



RF MEASUREMENT REPORT

FCC ID: 2BS6RTSB65

Applicant: Adachi Auto Electronic Co., Ltd.

Product: TPMS Sensor

Model No.: TSB65

Trademark: 

FCC Classification: FCC Part 15 Security/Remote Control Transmitter (DSC)

FCC Rule Part(s): Part 15.231

Test Procedure(s): ANSI C63.10-2020

Test Date: March 30 ~ April 06, 2022

Reviewed By:

Denise Zhou

Approved By:

Robin Wu



The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.10. Test results reported herein relate only to the item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date	Note
R26S1062047-U201	V01	Initial Report	2026-05-13	Valid

Note: This is a copy report based on MRT original report (No.: 2203RSU051-U1) to modify applicant & manufacturer information and product information (name, trademark) and upgrade standard version of ANSI C63.10, others are identical. For this EUT, there are no changes in the referenced clauses due to the ANSI C63.10 version upgrade, and therefore the test results are not affected.

CONTENTS

Description	Page
1. General Information	5
1.1. Applicant	5
1.2. Manufacturer.....	5
1.3. Testing Facility	5
1.4. Product Information	6
1.5. Radio Specification	6
1.6. Test Mode	6
2. Test Configuration.....	7
2.1. Test System Connection Diagram	7
2.2. Applied Standards	7
2.3. Test Environment Condition.....	7
3. Antenna Requirements	8
4. Measuring Instrument.....	9
5. Measurement Uncertainty	10
6. Test Result	11
6.1. Summary	11
6.2. Conducted Emission.....	12
6.2.1. Test Limit.....	12
6.2.2. Test Setup.....	12
6.2.3. Test Result	12
6.3. Radiated Emissions	13
6.3.1. Test Limit.....	13
6.3.2. Test Setup.....	15
6.3.3. Test Results	16
6.4. 20dB & 99% Bandwidth.....	22
6.4.1. Test Limit.....	22
6.4.2. Test Procedure.....	22
6.4.3. Test Setting	22
6.4.4. Test Setup.....	22
6.4.5. Test Result	23
6.5. Transmission Time.....	24
6.5.1. Test Limit.....	24
6.5.2. Test Procedure.....	24
6.5.3. Test Setup.....	24

6.5.4. Test Result	25
Appendix A - Test Setup Photograph	28
Appendix B - EUT Photograph.....	29

1. General Information

1.1. Applicant

Adachi Auto Electronic Co., Ltd.

5-12-18, Torikaihonmachi, Settsu, Osaka

1.2. Manufacturer

Adachi Auto Electronic Co., Ltd.

5-12-18, Torikaihonmachi, Settsu, Osaka

1.3. Testing Facility

☒	Test Site – MRT Suzhou Laboratory				
	Laboratory Location (Suzhou - Wuzhong)				
	D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China				
	Laboratory Location (Suzhou - SIP)				
	4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China				
☐	Laboratory Accreditations				
	A2LA: 3628.01		CNAS: L10551		
	FCC: CN1166		ISED: CN0001		
	VCCI:	☐ R-20025	☐ G-20034	☐ C-20020	☐ T-20020
		☐ R-20141	☐ G-20134	☐ C-20103	☐ T-20104
☐	Test Site – MRT Shenzhen Laboratory				
	Laboratory Location (Shenzhen)				
	1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China				
	Laboratory Accreditations				
	A2LA: 3628.02		ISED: CN0105		
☐	Test Site – MRT Taiwan Laboratory				
	Laboratory Location (Taiwan)				
	No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)				
	Laboratory Accreditations				
	TAF: 3261		ISED: TW3261		

1.4. Product Information

Product Name	TPMS Sensor
Model No.	TSB65
Trademark	ADACHI
Operating Environment	Vehicular Use
Operating Voltage	3.0 Vdc (By internal lithium battery)
Operating Temperature	-40 ~ 105 °C
Test Device Identification No.	20220321Sample#08, 433.92 MHz, ASK 20220321Sample#09, 433.92 MHz, FSK 20220321Sample#14, 433.92 MHz, FSK 20220321Sample#16, 433.92 MHz, ASK 20220321Sample#10, 315 MHz, FSK 20220321Sample#12, 315 MHz, ASK 20220321Sample#13, 315 MHz, FSK 20220321Sample#15, 315 MHz, ASK
Remark: The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer.	

1.5. Radio Specification

Frequency Range	315 MHz, 433.92 MHz
Type of Modulation	ASK, FSK
Antenna Type	Internal Copper Antenna

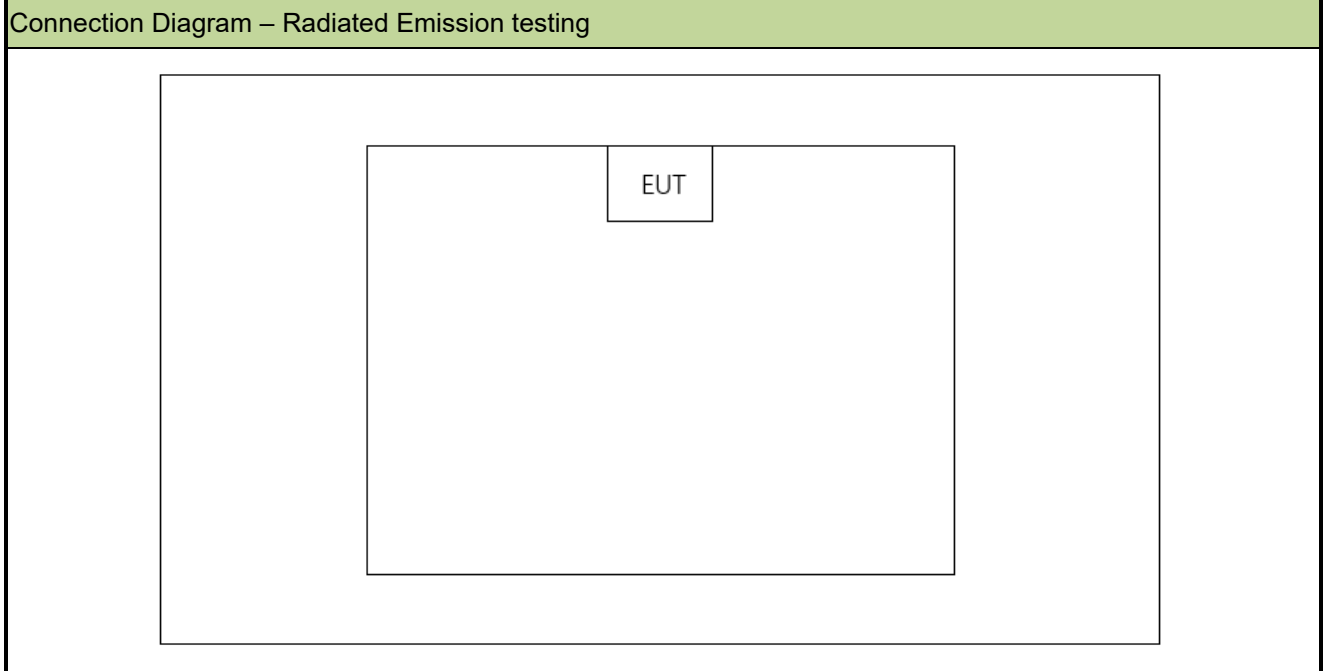
1.6. Test Mode

Mode 1: Transmit at 315 MHz by ASK
Mode 2: Transmit at 315 MHz by FSK
Mode 3: Transmit at 433.92 MHz by ASK
Mode 4: Transmit at 433.92 MHz by FSK

2. Test Configuration

2.1. Test System Connection Diagram

The device was tested per the guidance ANSI C63.10-2013 was used to reference the appropriate EUT setup for radiated emissions testing and AC line conducted testing.



2.2. Applied Standards

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

- FCC Part 15.231
- ANSI C63.10-2013

2.3. Test Environment Condition

Ambient Temperature	15 ~ 35 °C
Relative Humidity	20 ~75%RH

3. Antenna Requirements

Excerpt from §15.203 of the FCC Rules/Regulations:

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.”

- The antenna of the device is **permanently attached**.
- There are no provisions for connection to an external antenna.

Conclusion:

The unit complies with the requirement of §15.203.

4. Measuring Instrument

Instrument	Manufacturer	Model No.	Asset No.	Cali. Interval	Cali. Due Date	Test Site
EMI Test Receiver	R&S	ESR7	MRTSUE06001	1 year	2022/12/29	WZ-AC1
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06023	1 year	2022/9/16	WZ-AC1
Preamplifier	Agilent	83017A	MRTSUE06076	1 year	2022/11/12	WZ-AC1
TRILOG Antenna	Schwarzbeck	VULB 9168	MRTSUE06172	1 year	2022/8/5	WZ-AC1
Anechoic Chamber	TDK	WZ-AC1	MRTSUE06212	1 year	2022/4/29	WZ-AC1
Thermohygrometer	testo	608-H1	MRTSUE06403	1 year	2022/6/28	WZ-AC1
Signal Analyzer	Keysight	N9010B	MRTSUE06607	1 year	2022/12/29	WZ-AC1
EMI Test Receiver	Agilent	N9038A	MRTSUE06125	1 year	2022/6/24	WZ-AC1
Thermohygrometer	testo	Testo 608-H1	MRTSUE11039	1 year	2022/11/11	WZ-AC1
Loop Antenna	Schwarzbeck	FMZB 1519	MRTSUE06025	1 year	2022/10/28	WZ-AC1
Horn Antenna	Schwarzbeck	BBHA 9170	MRTSUE06597	1 year	2022/12/1	WZ-AC1
Preamplifier	EMCI	EMC184045SE	MRTSUE06640	1 year	2023/1/13	WZ-AC1

Software	Version	Function
EMI Software	V3	EMI Test Software

5. Measurement Uncertainty

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

Conducted Emission Measurement

The maximum measurement uncertainty is evaluated as:

9 kHz ~ 150 kHz: 3.74 dB

150 kHz ~ 30 MHz: 3.44 dB

Radiated Emission Measurement

The maximum measurement uncertainty is evaluated as:

Horizontal: 30 MHz ~ 300 MHz: 5.04 dB

300 MHz ~ 1 GHz: 4.95 dB

1 GHz ~ 40 GHz: 6.40 dB

Vertical: 30 MHz ~ 300 MHz: 5.24 dB

300 MHz ~ 1 GHz: 6.03 dB

1 GHz ~ 40 GHz: 6.40 dB

6. Test Result

6.1. Summary

FCC Part Section(s)	Test Description	Test Condition	Verdict
15.207	AC Conducted Emissions 150 kHz - 30 MHz	Line Conducted	N/A
15.205,15.231(e)	Radiated Spurious Emissions	Radiated	Pass
15.231(c)	20 dB Bandwidth		Pass
15.231(e)	Transmission Time		Pass

Notes:

- 1) The radiation measurements are performed in X, Y, Z axis positioning. Only the worst case is shown in the report.
- 2) "N/A" means this item is not applicable, and the details refer to relevant section.

6.2. Conducted Emission

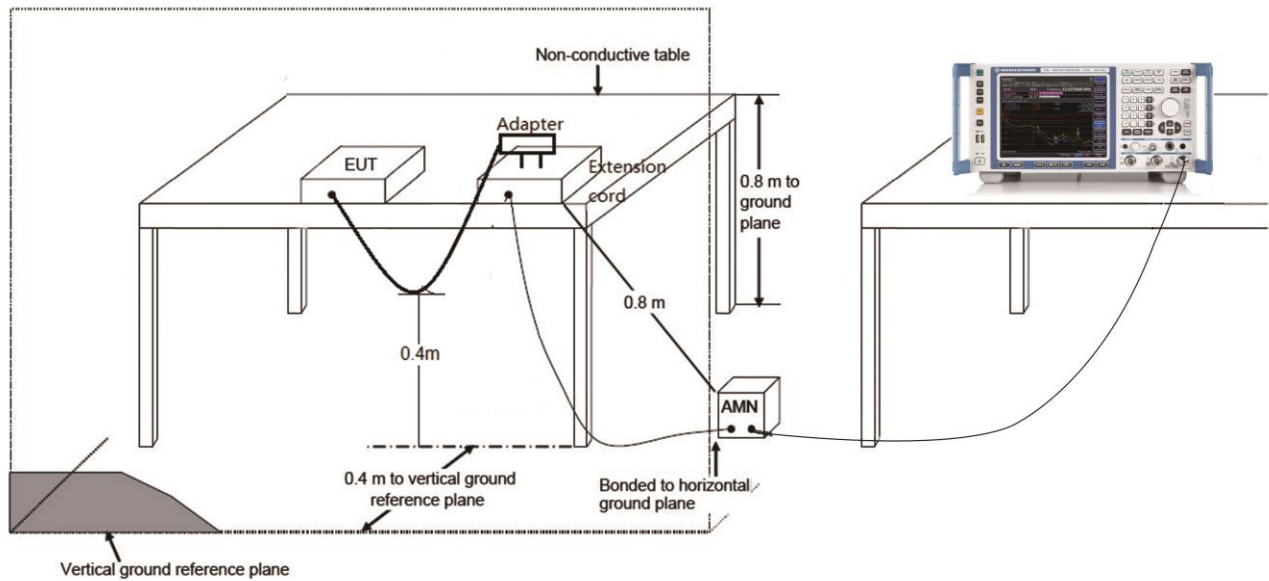
6.2.1. Test Limit

FCC Part 15.207 Limits		
Frequency (MHz)	QP (dB μ V)	AV (dB μ V)
0.15 ~ 0.50	66 ~ 56	56 ~ 46
0.50 ~ 5.0	56	46
5.0 ~ 30	60	50

Note 1: The lower limit shall apply at the transition frequencies.

Note 2: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

6.2.2. Test Setup



6.2.3. Test Result

The device is powered by internal battery, so this requirement is not applicable.

6.3. Radiated Emissions

6.3.1. Test Limit

According to §15.231(e), the field strength of emissions from intentional radiators operated under this section shall not exceed the following:

Fundamental Frequency (MHz)	Field strength of fundamental (microvolts/meter)	Field strength of spurious emission (microvolts/meter)
40.66 - 40.70	1000	100
70 - 130	500	50
130 - 174	500 to 1500	50 to 150
174 - 260	1500	150
260 - 470	1500 to 5000	150 to 500
Above 470	5000	500

The limits on the field strength of the spurious emissions in the above table are based on the fundamental frequency of the intentional radiator. Spurious emissions shall be attenuated to the average (or, alternatively, CISPR quasi-peak) limits shown in this table or to the general limits shown in §15.209, whichever limit permits a higher field strength.

The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in §15.35 for limiting peak emissions apply. Spurious Radiated Emissions measurements start below or at the lowest crystal frequency.

Compliance with the provisions of §15.205 shall be demonstrated using the measurement instrumentation specified in that section.

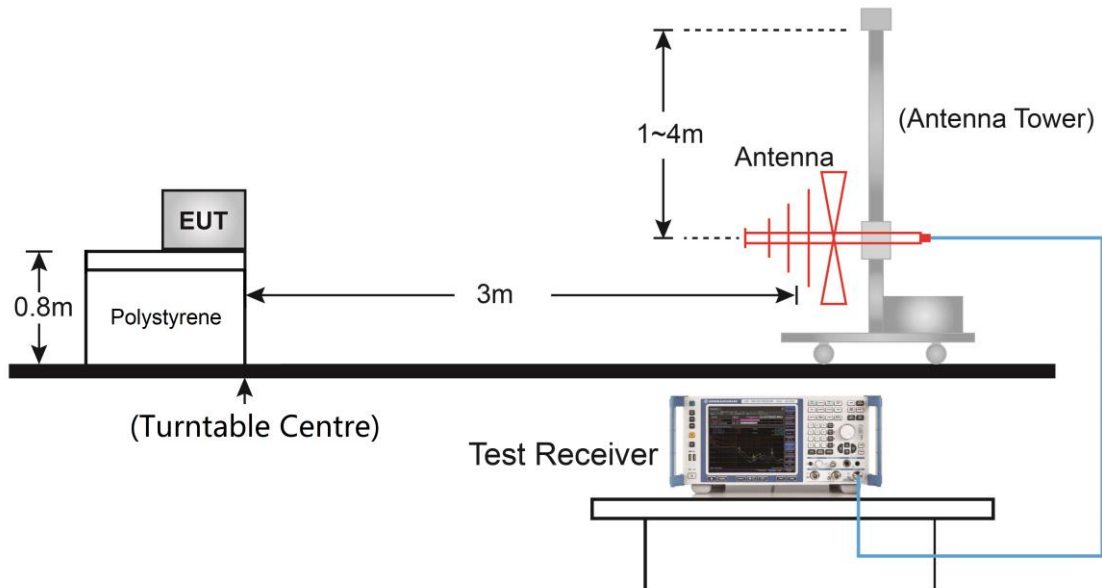
For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

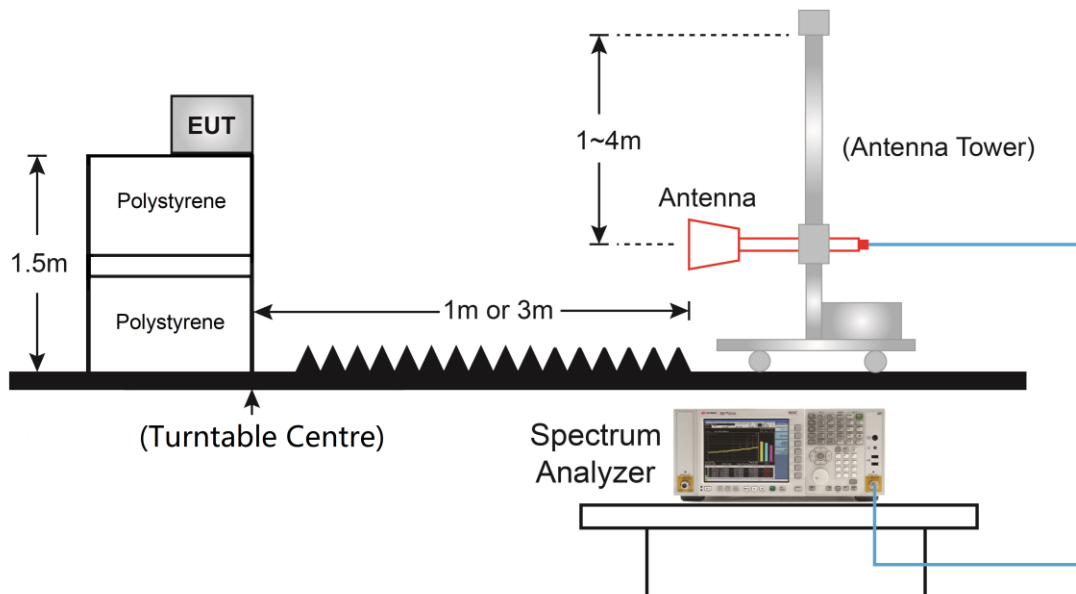
Frequency (MHz)	Frequency (MHz)	Frequency (MHz)	Frequency (GHz)
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(²)
13.36 - 13.41	--	--	--

6.3.2. Test Setup

Below 1 GHz Test Setup:



Above 1 GHz Test Setup:



6.3.3. Test Results

Test Site	WZ-AC1	Test Engineer	Kin Xia
Test Date	2022/04/04 ~ 2022/04/06		

Test Mode	Time On (ms)	One Period (ms)	Duty Cycle (%)	Duty Cycle Factor (dB)
Mode 1	28.50	100	28.50	-10.90
Mode 2	25.75	100	25.75	-11.78
Mode 3	28.00	100	28.00	-11.06
Mode 4	26.50	100	26.50	-11.54

Note: Duty Cycle Factor (dB) = $20 \times \log_{10}(\text{Duty Cycle})$ (dB).

For mode 2, Time On (ms) = 100 – Time Off (ms) = 100 – 74.25 (ms)= 25.75 (ms)

For mode 4, Time On (ms) = 100 – Time Off (ms) = 100 – 73.50 (ms)= 26.50 (ms)



Test Site	WZ-AC1	Test Engineer	Kin Xia
Test Date	2022/03/30	Remark	Fundamental Radiated Emission

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Duty Cycle Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Mode 1								
315	52.219	18.704	N/A	70.923	87.664	-16.741	PK	Horizontal
	52.219	18.704	-10.900	60.023	67.664	-7.641	AV	Horizontal
	48.439	18.704	N/A	67.143	87.664	-20.521	PK	Vertical
	48.439	18.704	-10.900	56.243	67.664	-11.421	AV	Vertical
Mode 2								
315	52.797	18.704	N/A	71.501	87.664	-16.163	PK	Horizontal
	52.797	18.704	-11.780	59.721	67.664	-7.943	AV	Horizontal
	49.397	18.704	N/A	68.101	87.664	-19.563	PK	Vertical
	49.397	18.704	-11.780	56.321	67.664	-11.343	AV	Vertical
Mode 3								
433.92	55.843	21.883	N/A	77.726	92.866	-15.14	PK	Horizontal
	55.843	21.883	-11.060	66.666	72.866	-6.20	AV	Horizontal
	52.120	21.883	N/A	74.003	92.866	-18.863	PK	Vertical
	52.120	21.883	-11.060	62.943	72.866	-9.923	AV	Vertical
Mode 4								
433.92	55.785	21.883	N/A	77.668	92.866	-15.198	PK	Horizontal
	55.785	21.883	-11.54	66.128	72.866	-6.738	AV	Horizontal
	52.233	21.883	N/A	74.116	92.866	-18.75	PK	Vertical
	52.233	21.883	-11.54	62.576	72.866	-10.29	AV	Vertical
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m) Average Measure Level = Peak Measure Level + Duty Cycle Factor Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)								

Test Site	WZ-AC1	Test Engineer	Kin Xia
Test Date	2022/03/30	Remark	Radiated Spurious Emissions

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Duty Cycle Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Mode 1								
2204	58.041	-3.471	N/A	54.570	74.000	-19.430	PK	Horizontal
2204	58.041	-3.471	-10.900	43.670	54.000	-10.330	AV	Horizontal
2836	46.900	-1.739	N/A	45.161	74.000	-28.839	PK	Horizontal
2836	46.900	-1.739	-10.900	34.261	54.000	-19.739	AV	Horizontal
3464	49.109	-0.291	N/A	48.818	74.000	-25.182	PK	Horizontal
3464	49.109	-0.291	-10.900	37.918	54.000	-16.082	AV	Horizontal
2204	48.454	-3.471	N/A	44.983	74.000	-29.017	PK	Vertical
2204	48.454	-3.471	-10.900	34.083	54.000	-19.917	AV	Vertical
2836	43.749	-1.739	N/A	42.010	74.000	-31.990	PK	Vertical
2836	43.749	-1.739	-10.900	31.110	54.000	-22.890	AV	Vertical
3464	49.109	-0.291	N/A	48.818	74.000	-25.182	PK	Vertical
3464	49.109	-0.291	-10.900	37.918	54.000	-16.082	AV	Vertical

Note 1: Peak Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Average Measure Level = Peak Measure Level + Duty Cycle Factor

Note 2: The test trace is same as the ambient noise (the test frequency range: 9 kHz ~ 30 MHz), therefore no data appear in the report.

Test Site	WZ-AC1	Test Engineer	Kin Xia
Test Date	2022/03/30	Remark	Radiated Spurious Emissions

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Duty Cycle Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Mode 2								
1890	59.139	-5.983	N/A	53.156	74.000	-20.844	PK	Horizontal
1890	59.139	-5.983	-11.780	41.376	54.000	-12.624	AV	Horizontal
2204	54.427	-3.471	N/A	50.956	74.000	-23.044	PK	Horizontal
2204	54.427	-3.471	-11.780	39.176	54.000	-14.824	AV	Horizontal
2520	53.736	-2.896	N/A	50.840	74.000	-23.160	PK	Horizontal
2520	53.736	-2.896	-11.780	39.060	54.000	-14.940	AV	Horizontal
1904	52.253	-5.870	N/A	46.383	74.000	-27.617	PK	Vertical
1904	52.253	-5.870	-11.780	34.603	54.000	-19.397	AV	Vertical
2520	45.248	-2.896	N/A	42.352	74.000	-31.648	PK	Vertical
2520	45.248	-2.896	-11.780	30.572	54.000	-23.428	AV	Vertical
3150	44.805	-0.483	N/A	44.322	74.000	-29.678	PK	Vertical
3150	44.805	-0.483	-11.780	32.542	54.000	-21.458	AV	Vertical

Note 1: Peak Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Average Measure Level = Peak Measure Level + Duty Cycle Factor

Note 2: The test trace is same as the ambient noise (the test frequency range: 9 kHz ~ 30 MHz), therefore no data appear in the report.

Test Site	WZ-AC1	Test Engineer	Kin Xia
Test Date	2022/03/30	Remark	Radiated Spurious Emissions

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Duty Cycle Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Mode 3								
2170	57.848	-3.561	N/A	54.287	74.000	-19.713	PK	Horizontal
2170	57.848	-3.561	-11.060	43.227	54.000	-10.773	AV	Horizontal
2604	59.157	-2.637	N/A	56.520	74.000	-17.480	PK	Horizontal
2604	59.157	-2.637	-11.060	45.460	54.000	-8.540	AV	Horizontal
3472	59.267	-0.294	N/A	58.973	74.000	-15.027	PK	Horizontal
3472	59.267	-0.294	-11.060	47.913	54.000	-6.087	AV	Horizontal
2170	57.848	-3.561	N/A	54.287	74.000	-19.713	PK	Vertical
2170	57.848	-3.561	-11.060	43.227	54.000	-10.773	AV	Vertical
2604	50.858	-2.637	N/A	48.221	74.000	-25.779	PK	Vertical
2604	50.858	-2.637	-11.060	37.161	54.000	-16.839	AV	Vertical
3472	53.751	-0.294	N/A	53.457	74.000	-20.543	PK	Vertical
3472	53.751	-0.294	-11.060	42.397	54.000	-11.603	AV	Vertical

Note 1: Peak Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Average Measure Level = Peak Measure Level + Duty Cycle Factor

Note 2: The test trace is same as the ambient noise (the test frequency range: 9 kHz ~ 30 MHz), therefore no data appear in the report.

Test Site	WZ-AC1	Test Engineer	Kin Xia
Test Date	2022/03/30	Remark	Radiated Spurious Emissions

Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Duty Cycle Factor (dB)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
Mode 4								
2170	61.106	-3.561	N/A	57.545	74.000	-16.455	PK	Horizontal
2170	61.106	-3.561	-11.540	46.005	54.000	-7.995	AV	Horizontal
3038	59.599	-0.850	N/A	58.749	74.000	-15.251	PK	Horizontal
3038	59.599	-0.850	-11.540	47.209	54.000	-6.791	AV	Horizontal
3470	57.919	-0.292	N/A	57.627	74.000	-16.373	PK	Horizontal
3470	57.919	-0.292	-11.540	46.087	54.000	-7.913	AV	Horizontal
2170	53.565	-3.561	N/A	50.004	74.000	-23.996	PK	Vertical
2170	53.565	-3.561	-11.540	38.464	54.000	-15.536	AV	Vertical
3038	45.467	-0.850	N/A	44.617	74.000	-29.383	PK	Vertical
3038	45.467	-0.850	-11.540	33.077	54.000	-20.923	AV	Vertical
3472	49.400	-0.294	N/A	49.106	74.000	-24.894	PK	Vertical
3472	49.400	-0.294	-11.540	37.566	54.000	-16.434	AV	Vertical

Note 1: Peak Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Average Measure Level = Peak Measure Level + Duty Cycle Factor

Note 2: The test trace is same as the ambient noise (the test frequency range: 9 kHz ~ 30 MHz), therefore no data appear in the report.

6.4. 20dB Bandwidth

6.4.1. Test Limit

According to FCC Part 15.231(c), the bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70MHz and below 900MHz. Bandwidth is determined at the points 20 dB down from the modulated carrier.

6.4.2. Test Procedure

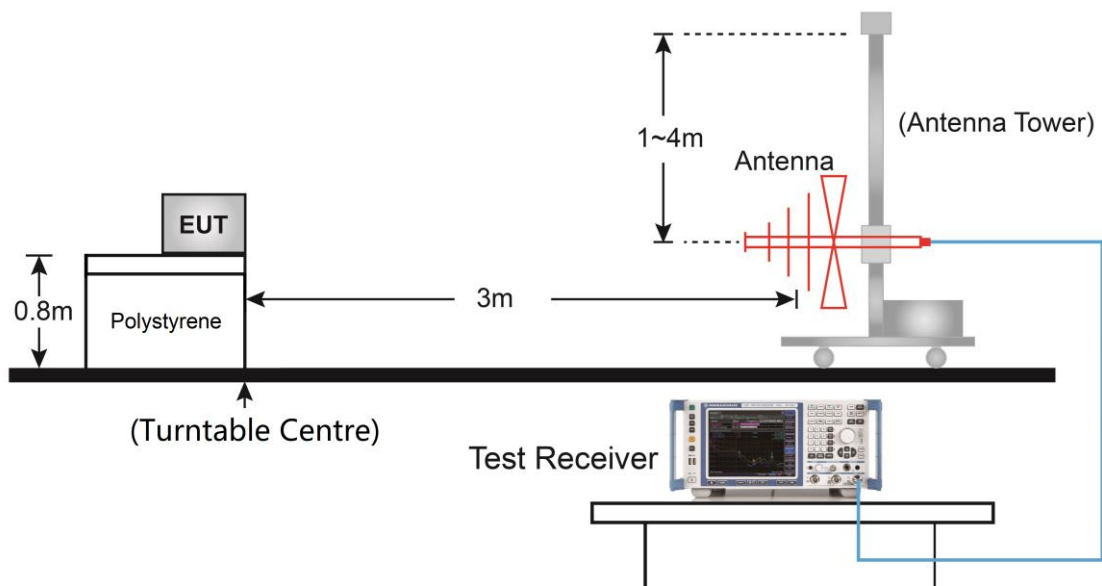
ANSI C63.10-2013 Clause 6.9.2

6.4.3. Test Setting

20dB Bandwidth:

1. Set the spectrum span shall be between 2 times and 5 times the OBW
2. Set RBW = 1% to 5% of the OBW
3. VBW $\geq 3 \times$ RBW
4. Detector = Peak
5. Trace mode = Max hold
6. Sweep = Auto couple

6.4.4. Test Setup



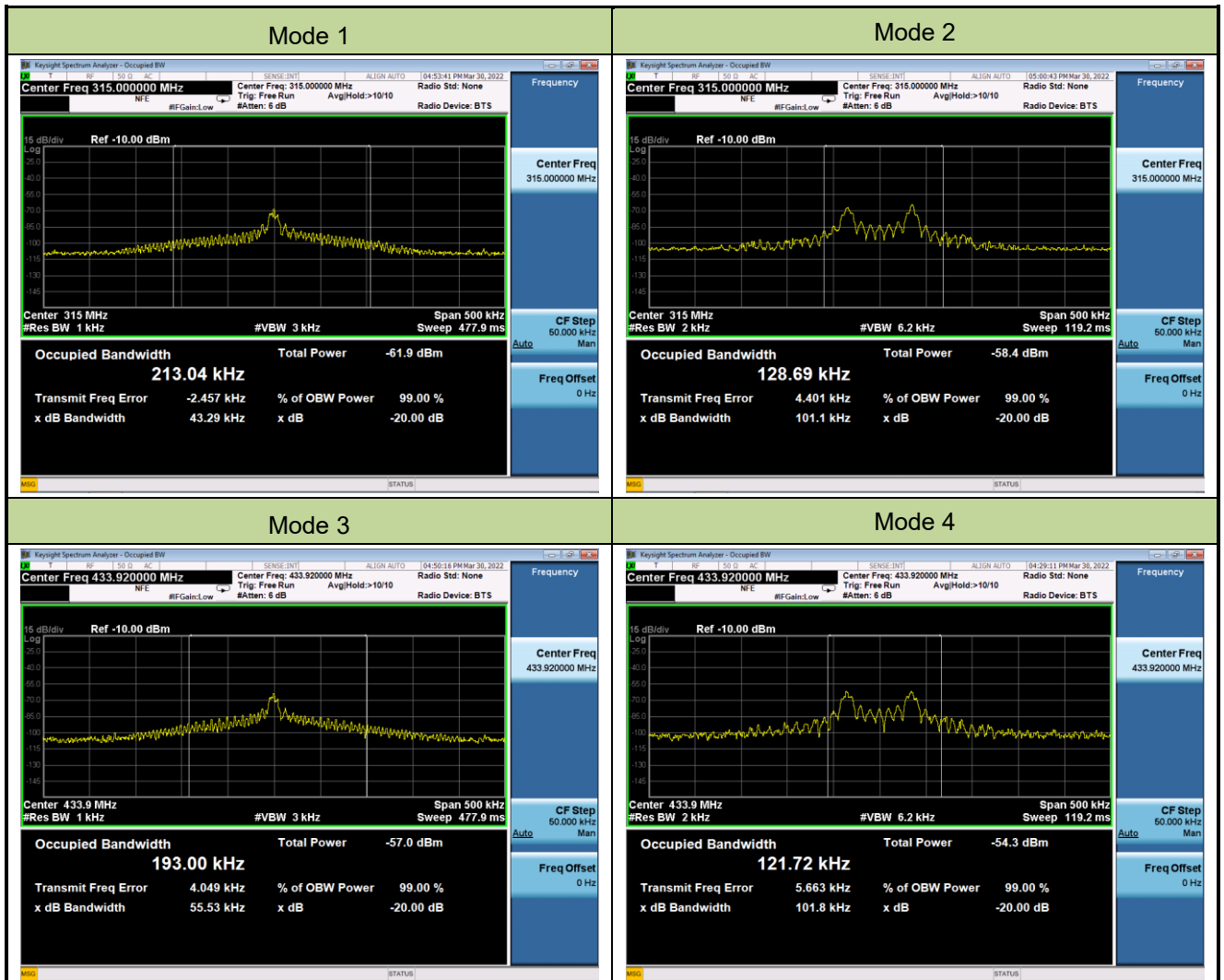
6.4.5. Test Result

Test Site	WZ-AC1	Test Engineer	Kin Xia
Test Date	2022/03/30		

Test Mode	20dB Bandwidth (kHz)	Limit (kHz)	Result
Mode 1	43.29	≤ 787.5	Pass
Mode 2	101.1	≤ 787.5	Pass
Mode 3	55.53	≤ 1084.8	Pass
Mode 4	101.8	≤ 1084.8	Pass

Note: For Mode 1 & 2: Limit = Fundamental Frequency $\times$ 0.25% = 315 MHz $\times$ 0.25% = 1085.25 kHz

For Mode 3 & 4: Limit = Fundamental Frequency $\times$ 0.25% = 433.92 MHz $\times$ 0.25% = 1084.8 kHz



6.5. Transmission Time

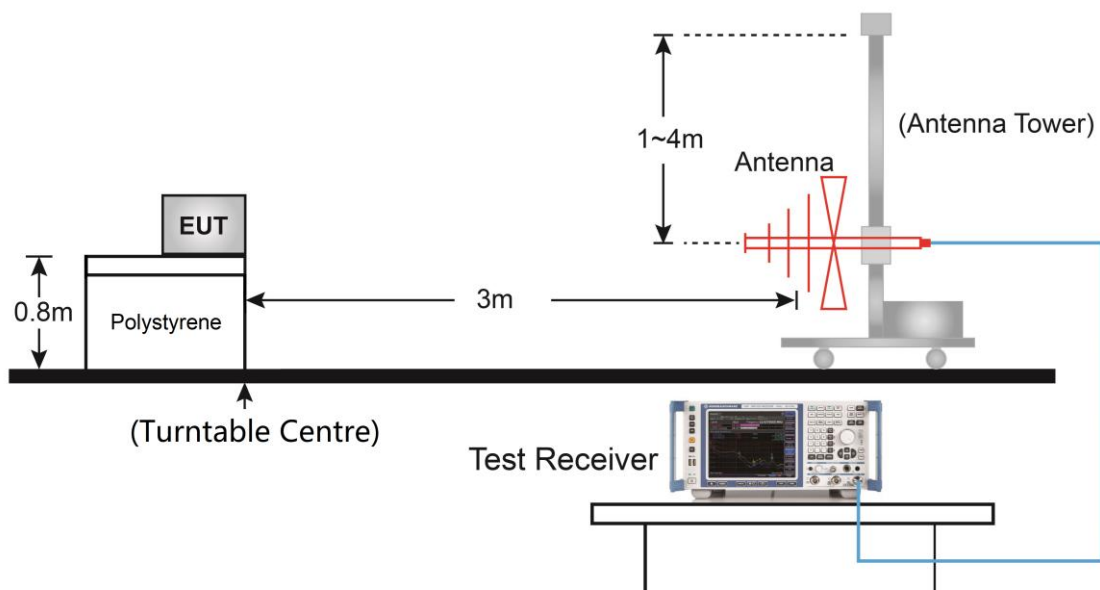
6.5.1. Test Limit

According to FCC 15.231(e), devices operated under the provisions of this paragraph shall be provided with a means for automatically limiting operation so that the duration of each transmission shall not be greater than one second and the silent period between transmissions shall be at least 30 times the duration of the transmission but in no case less than 10 seconds.

6.5.2. Test Procedure

With the EUT's antenna attached, the EUT's output signal was received by the test antenna, which was connected to the spectrum analyzer. Set the center frequency to fundamental frequency, then set the spectrum analyzer to Zero Span for the release time reading. During the testing, the switch was released then the EUT automatically deactivated.

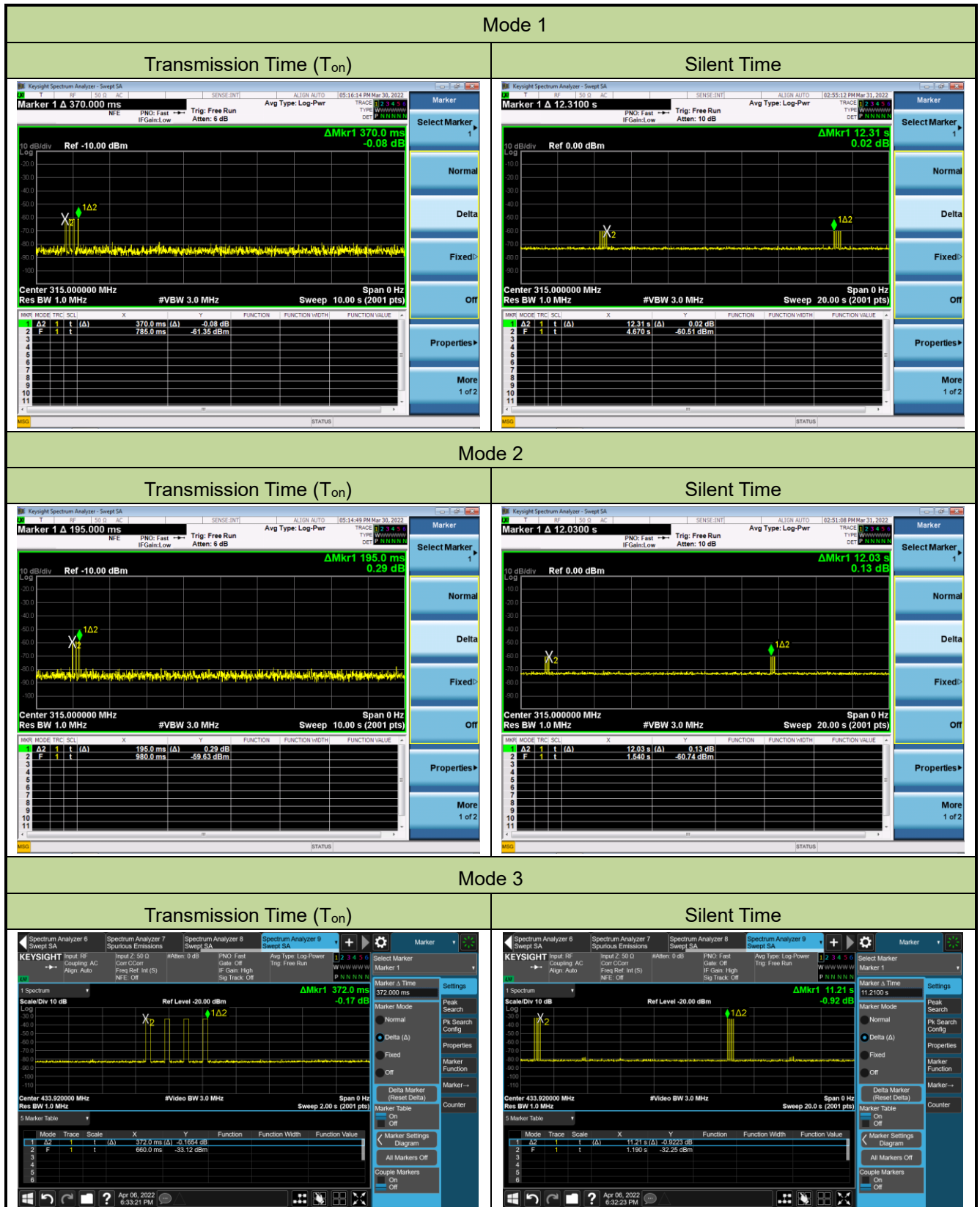
6.5.3. Test Setup

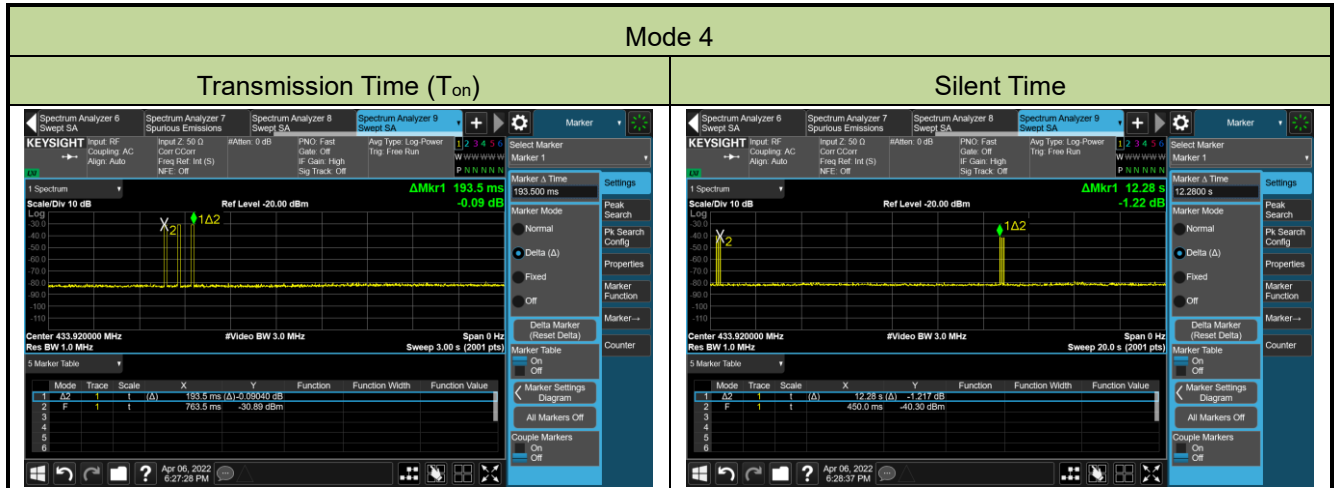


6.5.4. Test Result

Test Site	WZ-AC1	Test Engineer	Kin Xia
Test Date	2022/03/30 ~ 2022/04/06		

Test Mode	Item	Measured Value	Limit	Result
Mode 1	Transmission Time (T_{on})	370 ms	≤ 1 s	Pass
	Silent Time	12.31 s	≥ 10 s	Pass
	Silent Time/Transmission Time	33 times	≥ 30 times	Pass
Mode 2	Transmission Time (T_{on})	195 ms	≤ 1 s	Pass
	Silent Time	12.03 s	≥ 10 s	Pass
	Silent Time/Transmission Time	62 times	≥ 30 times	Pass
Mode 3	Transmission Time (T_{on})	372 ms	≤ 1 s	Pass
	Silent Time	11.21 s	≥ 10 s	Pass
	Silent Time/Transmission Time	30 times	≥ 30 times	Pass
Mode 4	Transmission Time (T_{on})	193.5 ms	≤ 1 s	Pass
	Silent Time	12.28 s	≥ 10 s	Pass
	Silent Time/Transmission Time	63 times	≥ 30 times	Pass





Appendix A - Test Setup Photograph

Refer to "2203RSU051-UT" file.

Appendix B - EUT Photograph

Refer to "2203RSU051-UE" file.