

SZEMC-TRF-01 Rev. A/1 Report No.: SZCR231100358404

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TEST REPORT

Application No.: SZCR2311003584AT Applicant: DT Research, Inc.

Address of Applicant: 3RD FL NO 36 WUQUAN 7TH RD WUGU DISTRICT, NEW TAIPEI, Taiwan

Manufacturer: DT Research, Inc.

Address of Manufacturer: 2000 Concourse Drive, San Jose, CA 95131, USA

Factory: DT Research, Inc. Taiwan Branch

Address of Factory: 6F., No.36 Wuquan 7th Rd., Wugu Dist. New Taipei City 248 Taiwan

Equipment Under Test (EUT):

EUT Name: Rugged Convertible Laptop

Model No.: LT355, LT355xxxxx (x= 0-9, A-Z, - or null, or., or /) ...

Please refer to section 2 of this report which indicates which model was

actually tested and which were electrically identical.

Trade Mark:

DT Research

FCC ID: YE3600-AX210NG

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

2023-11-08 **Date of Receipt:**

Date of Test: 2023-11-11 to 2023-12-07

2023-12-12 Date of Issue:

Pass* **Test Result:**

Keny Xu **EMC Laboratory Manager**

Ceny. Ku



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^{*} In the configuration tested, the EUT complied with the standards specified above.



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	Revision Record						
Version Chapter Date Modifier Remark							
01		2023-12-12		Original			

Authorized for issue by:		
	Edisonti	
	Edison Li/Project Engineer	
	Exic Fu	
	Eric Fu/Reviewer	



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Test Summary 2

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			
Conducted Emissions at AC Power Line (150kHz- 30MHz)		ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207	Pass			
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass			
Radiated Spurious Emissions Below 1GHz	·	ANSI C63.10 (2013) Section 6.4,6.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass			
Radiated Spurious Emissions Above 1GHz		ANSI C63.10 (2013) Section 6.6	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass			

Remark:

Model No.: LT355, LT355xxxxx (x= 0-9, A-Z, - or null, or., or /)

Only the model LT355 was tested, since according to the declaration from the applicant, the electrical circuit design, layout, components used, internal wiring and functions were identical for all the above models, with only difference on model No..

This report is prepared for FCC class II permissive change.

The modular approval by TCB, FCC ID:YE3600-AX210NG, Granted on 05/06/2022.

The module installed into host platform mentioned above is electronically and mechanically identical to the original certified module. The Original FCC testing on module under FCC ID: PD9AX210NG was performed with an antenna of a different gain, and the antenna was connected to the module in an open environment. The current host platform under application is used a new antenna of the same type and a different gain than the original certified module.

Therefore in this report Conducted Emissions at AC Power Line (150kHz-30MHz), Radiated Emissions which fall in the restricted bands and Radiated Spurious Emissions were fully retested on model LT355 and shown the data in this report.



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EUT Constructional Details (EUT Photos)......68



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General Information

Details of E.U.T. 4.1

Power supply:	AC Adapter			
	Model: EA12321N-1901			
	Input: AC 100-240V, 3.5A, 50-60Hz			
	Output: DC 19.0V, 12.1A, 230.0W			
	Rechargeable lithium-Ion Polymer Battery(Battery1)			
	Model: ACC-006-60K(3ICP9/36/115)			
	,			
	Rated Capacity: 5400mAh Voltage: 11.4VDC			
	Watt-Hour: 61.56Wh			
	Max Charge Voltage:13.05V			
	Rechargeable lithium-Ion Polymer Battery(Battery2)			
	Model: ACC-006-60K(3ICP9/36/115)			
	Rated Capacity: 5400mAh			
	Voltage: 11.4VDC			
	Watt-Hour: 61.56Wh			
	Max Charge Voltage:13.05V			
Cable(s):	DC cable:140cm with a ferrite core			
Operation Frequency:	802.11b/g/n/ax(20MHz): 2412MHz to 2472MHz			
Operation Frequency.	802.11n/ax(40MHz): 2422MHz to 2462MHz			
	802.11b: DSSS(CCK, DQPSK, DBPSK)			
Modulation Type:	802.11g/n: OFDM(QPSK, BPSK, 16QAM, 64QAM)			
	802.11ax: OFDMA(QPSK, BPSK, 16QAM, 64QAM, 256QAM, 1024QAM)			
Channel Numbers:	802.11b/g, 802.11n/ax(20MHz): 13 Channels			
Charmer Numbers.	802.11n/ax(40MHz): 9 Channels			
Channel Spacing:	5MHz			
Antenna Type:	PIFA Antenna			
Antenna Gain:	Antenna1: 4.3dBi, Antenna2: 4.6dBi			
Antenna Gam.	Note: MIMO for antenna1 and antenna2.			

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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
Conducted Emissions at AC Power Line (150kHz-30MHz)	± 3.1dB
Radiated Emissions which fall in the restricted bands	± 6.0dB (Below 1GHz);± 4.6dB (Above 1GHz)
Radiated Spurious Emissions Below 1GHz	± 6.0dB for 3m; ± 5.0dB for 10m
Radiated Spurious Emissions Above 1GHz	± 4.6dB (1-18GHz);± 4.8dB (18- 40GHz)

Remark:

The U_{lab} (lab Uncertainty) is less than $U_{cispr/ETSI}$ (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:

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

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China. 518057.

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**

Conducted Emissions at AC Power Line (150kHz-30MHz)							
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date		
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2022-05-14	2025-05-13		
EMI Test Receiver	Rohde&Schwarz	ESCI	SEM004-02	2023-03-20	2024-03-19		
Measurement Software	AUDIX	e3 V8.2014-6- 27a	N/A	N/A	N/A		
Coaxial Cable	SGS	N/A	SEM024-01	2023-07-07	2024-07-06		
LISN	Rohde&Schwarz	ENV216	SEM007-01	2023-09-19	2024-09-18		
LISN	ETS-LINDGREN	3816/2	SEM007-02	2023-03-20	2024-03-19		

Radiated Emissions which fall in the restricted bands							
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date		
3m Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2023-04-01	2026-03-31		
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2023-03-20	2024-03-19		
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2023-07-23	2025-07-22		
Microwave system amplifier	Agilent	83017A	SEM005-25	2023-09-19	2024-09-18		
Measurement Software	AUDIX	e3 V8.2014-6- 27	N/A	N/A	N/A		
Coaxial Cable	SGS	N/A	SEM026-01	2023-07-07	2024-07-06		
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2022-08-10	2024-08-09		
Pre-Amplifier	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2023-03-20	2024-03-19		

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	2023-10-19	2024-10-18	
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-01	2023-09-16	2025-09-15	
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	2023-03-20	2024-03-19	
Measurement Software	AUDIX	e3 V8.2014-6- 27	N/A	N/A	N/A	
Coaxial Cable	SGS	N/A	SEM025-01	2023-07-07	2024-07-06	



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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	2023-04-01	2026-03-31	
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2023-03-20	2024-03-19	
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2023-07-23	2025-07-22	
Microwave system amplifier	Agilent	83017A	SEM005-25	2023-09-19	2024-09-18	
Measurement Software	AUDIX	e3 V8.2014-6- 27	N/A	N/A	N/A	
Coaxial Cable	SGS	N/A	SEM026-01	2023-07-07	2024-07-06	
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2022-08-10	2024-08-09	
Pre-Amplifier	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2023-03-20	2024-03-19	

General used equipment									
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date				
Humidity/ Temperature Indicator	deli	8838	SEM002-32	2023-07-28	2024-07-27				
Humidity/ Temperature Indicator	· I OPII		SEM002-33	2023-07-28	2024-07-27				
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2023-03-23	2024-03-22				



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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 connector is a IPEX type that comply with Part15.203, the best case gain of the antenna1 is 4.3dBi, Antenna2: 4.6dBi

Antenna location: Refer to internal photo.



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Radio Spectrum Matter Test Results

7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)

47 CFR Part 15, Subpart C 15.207 Test Requirement Test Method: ANSI C63.10 (2013) Section 6.2

Limit:

Frequency of	Conducted limit(dBμV)							
emission(MHz)	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 o	*Decreases with the logarithm of the frequency.							
Detector: Peak for pre-scan (9kl	Hz resolution bandwidth) 0.15M to 30	MHz						

7.1.1 E.U.T. Operation

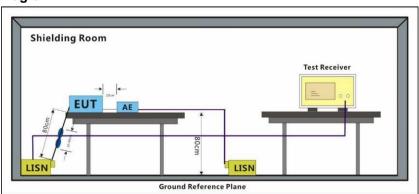
Operating Environment:

Temperature: 23.2 °C Humidity: 50.5 % RH Atmospheric Pressure: 1000 mbar

7.1.2 Test Mode Description

7.1.2 Test mode bescription										
Pre-scan / Final test	Mode Code	Description								
Final test	13	Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40). Only the data of worst case is recorded in the report.								

7.1.3 Test Setup Diagram





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7.1.4 Measurement Procedure and Data

- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50µH + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane.
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark: Level=Read Level+ Cable Loss+ LISN Factor



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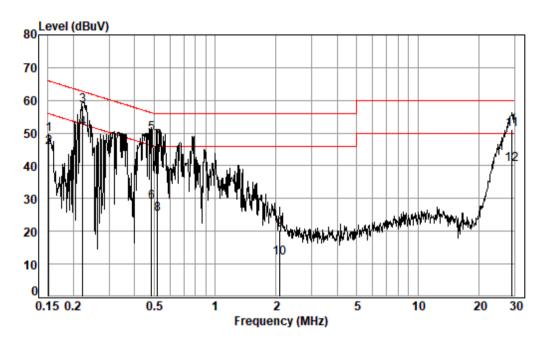


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Test Mode: 13: Line: Live line



: Shielding Room

Condition: Line Job No. : 03584AT

Test mode: 13

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.152	0.02	10.26	39.18	49.46	65.91	-16.45	QP
2	0.152	0.02	10.26	35.40	45.68	55.91	-10.23	Average
3 *	0.222	0.03	10.29	48.21	58.53	62.74	-4.21	QP
4 *	0.222	0.03	10.29	41.11	51.43	52.74	-1.31	Average
5	0.486	0.04	10.35	39.36	49.75	56.23	-6.48	QP
6	0.486	0.04	10.35	18.62	29.01	46.23	-17.22	Average
7	0.521	0.04	10.35	37.04	47.43	56.00	-8.57	QP
8	0.521	0.04	10.35	14.93	25.32	46.00	-20.68	Average
9	2.088	0.07	10.41	10.00	20.48	56.00	-35.52	QP
10	2.088	0.07	10.41	1.48	11.96	46.00	-34.04	Average
11	29.216	0.34	10.75	40.01	51.10	60.00	-8.90	QP
12	29.216	0.34	10.75	29.27	40.36	50.00	-9.64	Average

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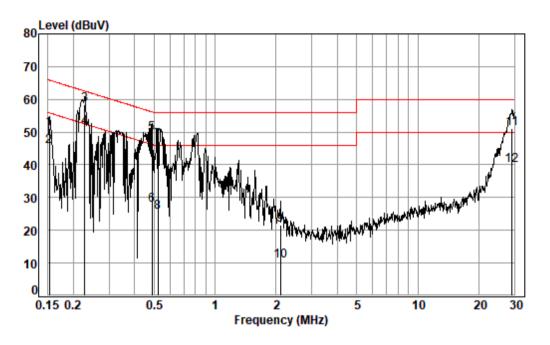


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Test Mode: 13: Line: Neutral Line



: Shielding Room

Condition: Neutral Job No. : 03584AT

Test mode: 13

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.152	0.02	10.24	40.80	51.06	65.87	-14.81	QP
2	0.152	0.02	10.24	35.41	45.67	55.87	-10.20	Average
3 *	0.228	0.03	10.26	48.25	58.54	62.52	-3.98	QP
4 *	0.228	0.03	10.26	41.11	51.40	52.52	-1.12	Average
5	0.489	0.04	10.29	39.22	49.55	56.19	-6.64	QP
6	0.489	0.04	10.29	17.48	27.81	46.19	-18.38	Average
7	0.524	0.04	10.30	37.18	47.52	56.00	-8.48	QP
8	0.524	0.04	10.30	15.31	25.65	46.00	-20.35	Average
9	2.099	0.07	10.37	11.11	21.55	56.00	-34.45	QP
10	2.099	0.07	10.37	0.18	10.62	46.00	-35.38	Average
11	29.216	0.34	10.75	40.01	51.10	60.00	-8.90	QP
12	29.216	0.34	10.75	28.70	39.79	50.00	-10.21	Average



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7.2 Radiated Emissions which fall in the restricted bands

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

Test Method: ANSI C63.10 (2013) Section 6.10.5

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
Above 960	500	3

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, 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.

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 20.8 °C Humidity: 54.4 % RH Atmospheric Pressure: 1000 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	12	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40). Only the data of worst case is recorded in the report.
Final test	13	Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40). Only the data of worst case is recorded in the report.



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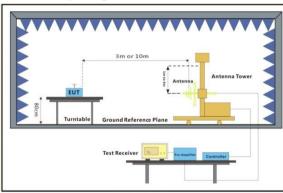


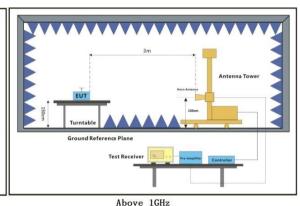
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7.2.3 Test Setup Diagram





30MHz-1GHz



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7.2.4 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 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. 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.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. 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.
- e. 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.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. 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, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. 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.
- j. Repeat above procedures until all frequencies measured was complete.
- Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- Remark 2: 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.

Remark 3: For devices with multiple operating modes, measurements on the middle channel is used to determine the worst-case mode(s). Only the worst case mode with the widest bandwidth which can be covered the same channel (center frequency) on modes with narrower bandwidth that have the same or lower output power for each modulation family (e.g., OFDM and direct sequence spread spectrum) is recorded in the test report.

Remark 4: All modes and channels have been tested, only record the worst test result.



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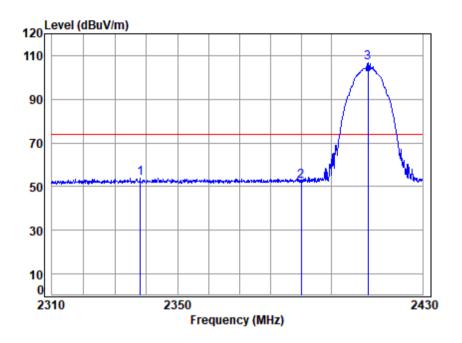


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Test Mode: 13; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 03584AT\03585AT Mode : 2412 Band edge : 2.4G WIFI 11B Note

		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
										_
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2338.011	5.03	28.93	37.56	57.54	53.94	74.00	-20.06	peak	
2	2390.000	5.08	29.10	37.44	55.54	52.28	74.00	-21.72	peak	
3	q 2412.000	5.10	29.05	37.38	109.81	106.58	74.00	32.58	peak	



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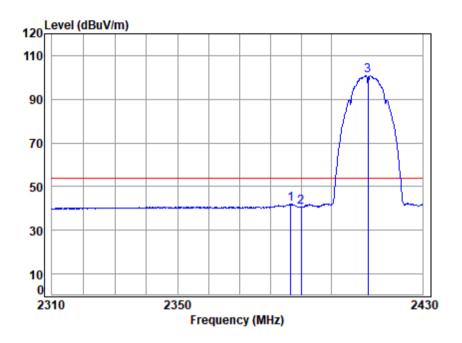


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Test Mode: 13; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 03584AT\03585AT : 2412 Band edge Mode Note : 2.4G WIFI 11B

	Freq					Level			Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2386.582	5.07	29.10	37.44	45.22	41.95	54.00	-12.05	Average
2	2390.000	5.08	29.10	37.44	43.83	40.57	54.00	-13.43	Average
3 q	2412.000	5.10	29.05	37.38	104.21	100.98	54.00	46.98	Average



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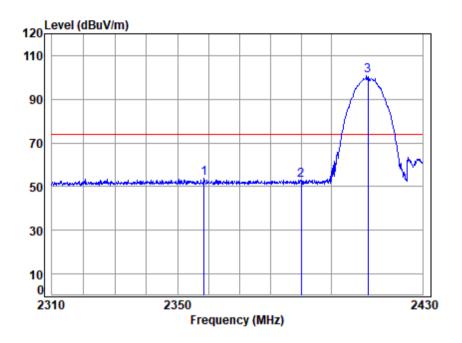


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Report No.: SZCR231100358404

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Test Mode: 13; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 03584AT\03585AT Mode : 2412 Band edge Note · 2 4G WTET 11B

ore	: Z.	4G WIF	I IID							
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2358.585	5.05	29.10	37.51	57.29	53.93	74.00	-20.07	Peak	
2	2390.000	5.08	29.10	37.44	56.31	53.05	74.00	-20.95	Peak	
3 a	2412.000	5.10	29.05	37.38	103.89	100.66	74.00	26.66	Peak	



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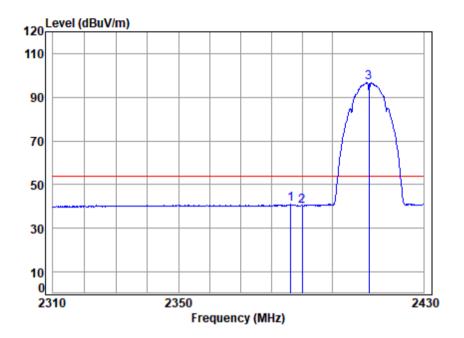


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Report No.: SZCR231100358404

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Test Mode: 13; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 03584AT\03585AT Mode : 2412 Band edge : 2.4G WIFI 11B Note

		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
_										
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2386.340	5.07	29.10	37.44	44.11	40.84	54.00	-13.16	Average	
2	2390.000	5.08	29.10	37.44	43.54	40.28	54.00	-13.72	Average	
3 q	2412.000	5.10	29.05	37.38	100.02	96.79	54.00	42.79	Average	



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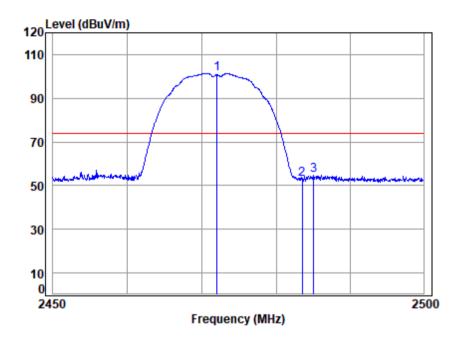


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Report No.: SZCR231100358404

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Test Mode: 13; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL : 03584AT\03585AT : 2472 Band edge Mode Note : 2.4G WIFI 11B

	Freq		Ant Factor						Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q	2472.000	5.15	28.90	37.24	104.65	101.46	74.00	27.46	peak
2	2483.500	5.16	28.90	37.22	56.09	52.93	74.00	-21.07	peak
3	2485.095	5.16	28.90	37.21	57.89	54.74	74.00	-19.26	peak



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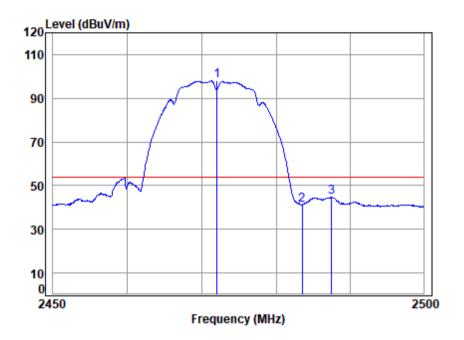


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Report No.: SZCR231100358404

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Test Mode: 13; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL : 03584AT\03585AT : 2472 Band edge Mode Note : 2.4G WIFI 11B

	Freq						Limit Line		Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 0	2472.000	5.15	28.90	37.24	101.13	97.94	54.00	43.94	Average
2	2483.500	5.16	28.90	37.22	44.40	41.24	54.00	-12.76	Average
3	2487.506	5.16	28.90	37.21	48.07	44.92	54.00	-9.08	Average



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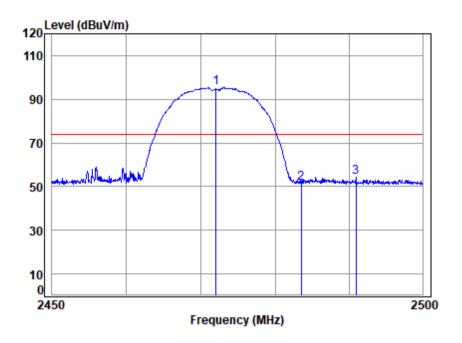


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Report No.: SZCR231100358404

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Test Mode: 13; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 03584AT\03585AT Mode : 2472 Band edge · 2 4G WTET 11B Note

ore	: Z.	4G WIF	T TID							
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 q	2472.000	5.15	28.90	37.24	98.39	95.20	74.00	21.20	Peak	
2	2483.500	5.16	28.90	37.22	54.76	51.60	74.00	-22.40	Peak	
3	2490.925	5.17	28.90	37.20	57.36	54.23	74.00	-19.77	Peak	



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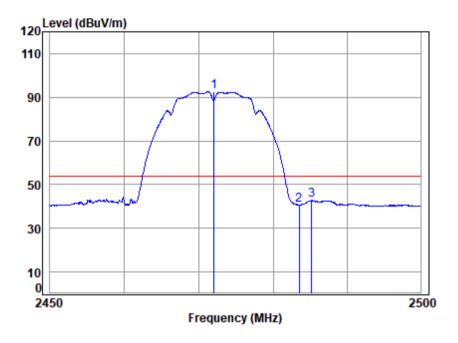


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Report No.: SZCR231100358404

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Test Mode: 13; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 03584AT\03585AT : 2472 Band edge Mode Note : 2.4G WIFI 11B

	Fred			Preamp Factor					Remark
	1164	LUSS	I ac coi	i ac coi	rever	Level	LINE	LIMIT	Kelliai K
-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q	2472.000	5.15	28.90	37.24	95.70	92.51	54.00	38.51	Average
2	2483.500	5.16	28.90	37.22	43.78	40.62	54.00	-13.38	Average
3	2485.195	5.16	28.90	37.21	46.10	42.95	54.00	-11.05	Average



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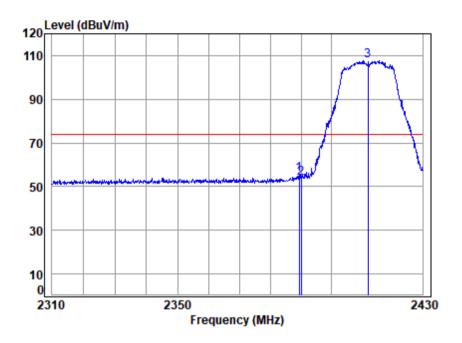


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR231100358404

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Test Mode: 13; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 03584AT\03585AT Mode : 2412 Band edge : 2.4G WIFI 11AX20 Note

	Cable	Ant	Preamp	Read		Limit	0ver	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
2389.363	5.07	29.10	37.44	58.76	55.49	74.00	-18.51	peak
2390.000	5.08	29.10	37.44	57.04	53.78	74.00	-20.22	peak
q 2412.000	5.10	29.05	37.38	110.91	107.68	74.00	33.68	peak
	MHz 2389.363 2390.000	Freq Loss MHz dB 2389.363 5.07 2390.000 5.08	Freq Loss Factor MHz dB dB/m 2389.363 5.07 29.10 2390.000 5.08 29.10	Freq Loss Factor Factor MHz dB dB/m dB 2389.363 5.07 29.10 37.44 2390.000 5.08 29.10 37.44	Freq Loss Factor Factor Level MHz dB dB/m dB dBuV 2389.363 5.07 29.10 37.44 58.76 2390.000 5.08 29.10 37.44 57.04	Freq Loss Factor Factor Level Level MHz dB dB/m dB dBuV dBuV/m 2389.363 5.07 29.10 37.44 58.76 55.49 2390.000 5.08 29.10 37.44 57.04 53.78	Freq Loss Factor Factor Level Level Line MHz dB dB/m dB dBuV dBuV/m dBuV/m dBuV/m 2389.363 5.07 29.10 37.44 58.76 55.49 74.00 2390.000 5.08 29.10 37.44 57.04 53.78 74.00	Cable Ant Preamp Read Limit Over Freq Loss Factor Factor Level Level Line Limit MHz dB dB/m dB dBuV dBuV/m dBuV/m dBuV/m dB 2389.363 5.07 29.10 37.44 58.76 55.49 74.00 -18.51 2390.000 5.08 29.10 37.44 57.04 53.78 74.00 -20.22 q 2412.000 5.10 29.05 37.38 110.91 107.68 74.00 33.68



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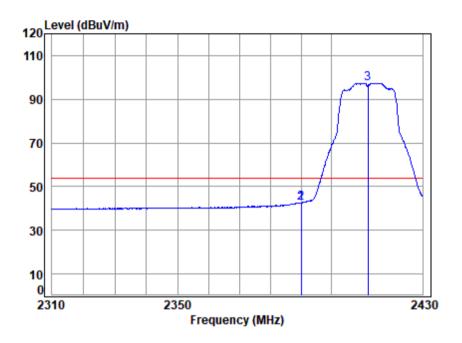


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Report No.: SZCR231100358404

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Test Mode: 13; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 03584AT\03585AT Mode : 2412 Band edge : 2.4G WIFI 11AX20 Note

		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
										_
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2389.968	5.08	29.10	37.44	45.87	42.61	54.00	-11.39	Average	
2	2390.000	5.08	29.10	37.44	45.87	42.61	54.00	-11.39	Average	
3	q 2412.000	5.10	29.05	37.38	100.63	97.40	54.00	43.40	Average	



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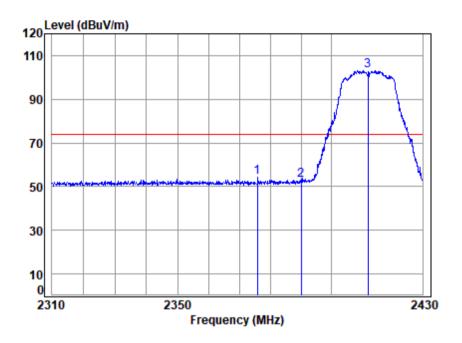


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Report No.: SZCR231100358404

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Test Mode: 13; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 03584AT\03585AT Mode : 2412 Band edge : 2.4G WIFI 11AX20 Note

		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
	2375.849	5.06	29.10	37.47	57.41	54.10	74.00	-19.90	Peak	
2	2390.000	5.08	29.10	37.44	56.18	52.92	74.00	-21.08	Peak	
q	2412.000	5.10	29.05	37.38	106.56	103.33	74.00	29.33	Peak	



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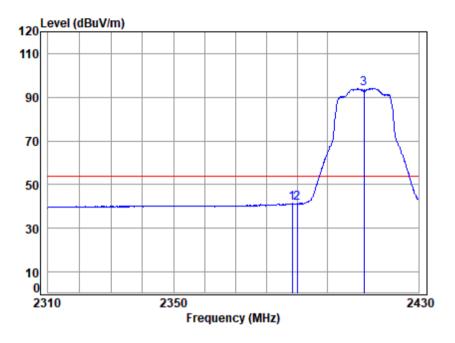


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Report No.: SZCR231100358404

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Test Mode: 13; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 03584AT\03585AT Mode : 2412 Band edge Note : 2.4G WIFI 11AX20

		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
_									
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2388.395	5.07	29.10	37.44	44.63	41.36	54.00	-12.64	Average
2	2390.000	5.08	29.10	37.44	44.59	41.33	54.00	-12.67	Average
3 q	2412.000	5.10	29.05	37.38	97.40	94.17	54.00	40.17	Average



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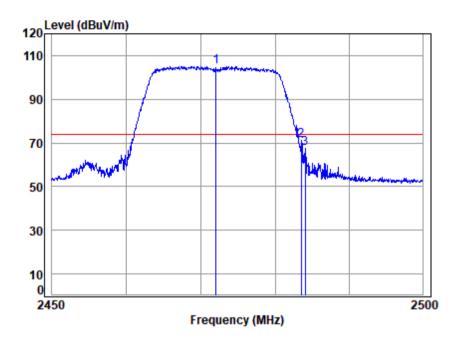


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR231100358404

Page: 31 of 68

Test Mode: 13; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL : 03584AT\03585AT : 2472 Band edge Mode Note : 2.4G WIFI 11AX20

	Frea			Limit Line		Remark
_		 dB/m	 	 	dB	
	2472.000					•
	2483.500 2484.041					•



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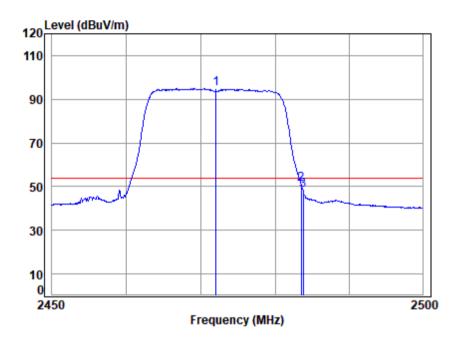


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR231100358404

Page: 32 of 68

Test Mode: 13; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL : 03584AT\03585AT : 2472 Band edge Mode Note : 2.4G WIFI 11AX20

				Preamp					
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
-	MU-					dD: /////	dD: ///m		
	МПZ	uв	ub/m	dB	abuv	ubuv/m	ubuv/m	dB	
1 q	2472.000	5.15	28.90	37.24	98.00	94.81	54.00	40.81	Average
	2483.500								_
3	2483.790	5.16	28.90	37.22	51.34	48.18	54.00	-5.82	Average



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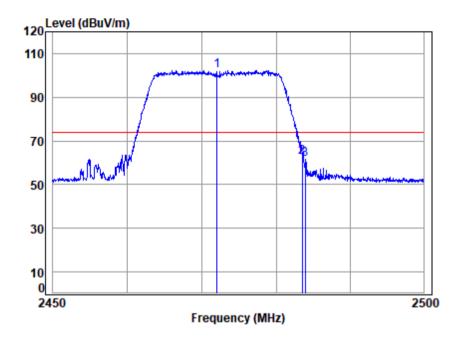


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR231100358404

Page: 33 of 68

Test Mode: 13; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 03584AT\03585AT Mode : 2472 Band edge · 2 4G WIFT 11AX20 Note

ote	. 2.	4G WIF	I IIAV	20						
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 q	2472.000	5.15	28.90	37.24	105.46	102.27	74.00	28.27	Peak	
2	2483.500	5.16	28.90	37.22	65.63	62.47	74.00	-11.53	Peak	
3	2483.940	5.16	28.90	37.22	64.64	61.48	74.00	-12.52	Peak	



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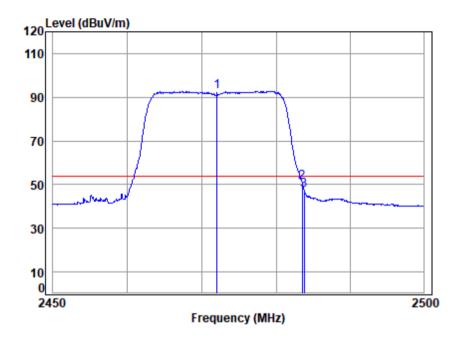


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Report No.: SZCR231100358404

Page: 34 of 68

Test Mode: 13; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 03584AT\03585AT Mode : 2472 Band edge : 2.4G WIFI 11AX20 Note

			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	q	2472.000	5.15	28.90	37.24	95.97	92.78	54.00	38.78	Average
2		2483.500	5.16	28.90	37.22	54.40	51.24	54.00	-2.76	Average
3		2483.790	5.16	28.90	37.22	50.52	47.36	54.00	-6.64	Average



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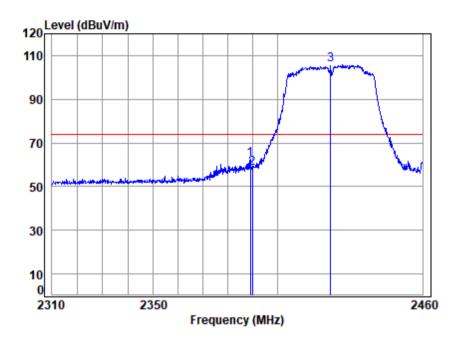


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Report No.: SZCR231100358404

Page: 35 of 68

Test Mode: 13; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 03584AT\03585AT Mode : 2422 Band edge : 2.4G WIFI 11AX40 Note

		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
_									
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.226	5.07	29.10	37.44	65.63	62.36	74.00	-11.64	peak
2	2390.000	5.08	29.10	37.44	61.71	58.45	74.00	-15.55	peak
3 q	2422.000	5.10	29.01	37.36	108.92	105.67	74.00	31.67	peak



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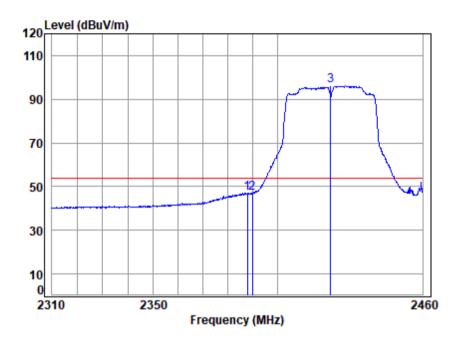


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Report No.: SZCR231100358404

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Test Mode: 13; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 03584AT\03585AT : 2422 Band edge Mode Note : 2.4G WIFI 11AX40

	Freq						Limit Line		Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
	2388.023								_	
2	2390.000	5.08	29.10	37.44	50.21	46.95	54.00	-7.05	Average	
3 q	2422.000	5.10	29.01	37.36	99.35	96.10	54.00	42.10	Average	



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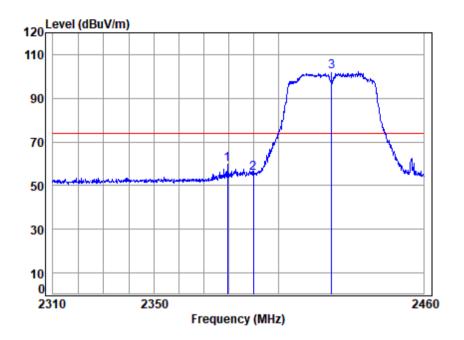


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Report No.: SZCR231100358404

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Test Mode: 13; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 03584AT\03585AT : 2422 Band edge Mode . 2.46 WTFT 11AYAA Note

ote	: Z.	4G WIL	T TIAN	+6						
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
_										
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2379.475	5.07	29.10	37.46	62.96	59.67	74.00	-14.33	Peak	
2	2390.000	5.08	29.10	37.44	59.09	55.83	74.00	-18.17	Peak	
3 a	2422,000	5.10	29.01	37.36	105.23	101.98	74.00	27.98	Peak	



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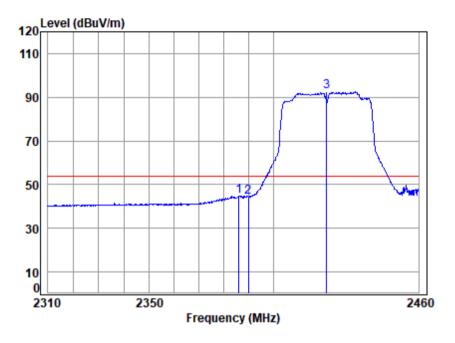


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR231100358404

Page: 38 of 68

Test Mode: 13; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 03584AT\03585AT Mode : 2422 Band edge : 2.4G WIFI 11AX40 Note

		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
_									
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2386.221	5.07	29.10	37.44	48.06	44.79	54.00	-9.21	Average
2	2390.000	5.08	29.10	37.44	47.34	44.08	54.00	-9.92	Average
3 q	2422.000	5.10	29.01	37.36	95.67	92.42	54.00	38.42	Average



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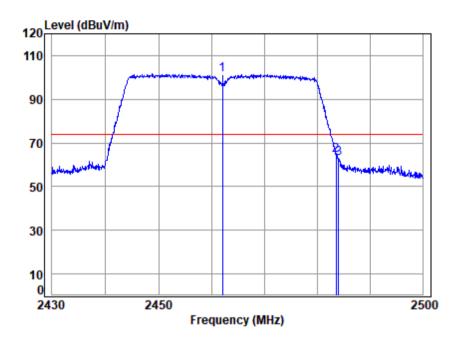


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Report No.: SZCR231100358404

Page: 39 of 68

Test Mode: 13; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL : 03584AT\03585AT Mode : 2462 Band edge Note : 2.4G WIFI 11AX40

		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
_									
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q	2462.000	5.14	28.90	37.27	104.74	101.51	74.00	27.51	peak
2	2483.500	5.16	28.90	37.22	67.69	64.53	74.00	-9.47	peak
3	2483.935	5.16	28.90	37.22	66.13	62.97	74.00	-11.03	peak



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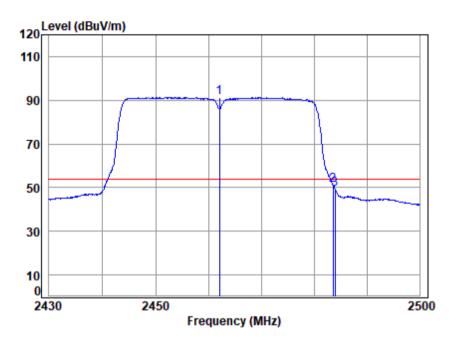


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR231100358404

Page: 40 of 68

Test Mode: 13; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL : 03584AT\03585AT Mode : 2462 Band edge Note : 2.4G WIFI 11AX40

		Fred						Limit Line		Romank
		1164	LUSS	I ac coi	ractor	rever	LEVEL	Line	LIMIT	Kelliai K
	-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	q	2462.000	5.14	28.90	37.27	94.52	91.29	54.00	37.29	Average
2		2483.500	5.16	28.90	37.22	54.38	51.22	54.00	-2.78	Average
		2483.865								_



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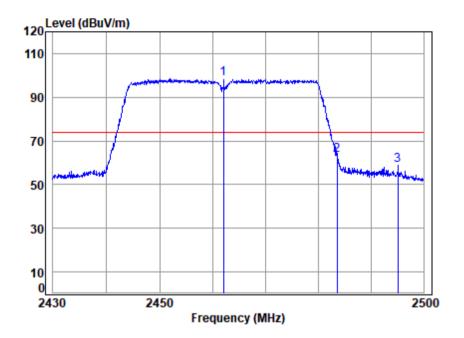


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR231100358404

Page: 41 of 68

Test Mode: 13; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 03584AT\03585AT Mode : 2462 Band edge Note : 2.4G WIFI 11AX40

0ver
Limit Remark
dB
24.37 Peak
10.43 Peak
15.32 Peak
2



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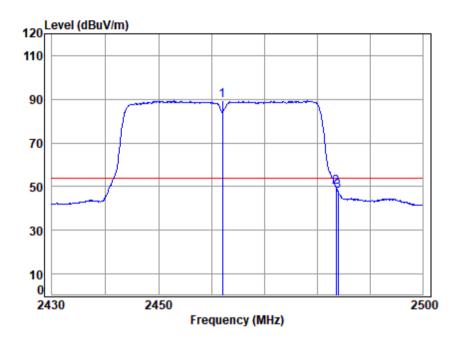


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Report No.: SZCR231100358404

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Test Mode: 13; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 03584AT\03585AT Mode : 2462 Band edge Note : 2.4G WIFI 11AX40

							Limit			
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	——dB		
			,			,	,			
q	2462.000	5.14	28.90	37.27	92.51	89.28	54.00	35.28	Average	
	2483.500	5.16	28.90	37.22	53.01	49.85	54.00	-4.15	Average	
	2483.865	5.16	28.90	37.22	50.92	47.76	54.00	-6.24	Average	



1 2

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Report No.: SZCR231100358404

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7.3 Radiated Spurious Emissions Below 1GHz

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

Test Method: ANSI C63.10 (2013) 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

7.3.1 E.U.T. Operation

Operating Environment:

Temperature: Atmospheric Pressure: 1000 mbar 23.2 °C Humidity: 45.8 % RH

7.3.2 Test Mode Description

	7.3.2 Test Mode Description									
Pre-scan / Final test	Mode Code	Description								
Pre-scan	12	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40). Only the data of worst case is recorded in the report.								
Final test	13	Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40). Only the data of worst case is recorded in the report.								



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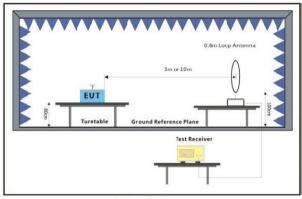


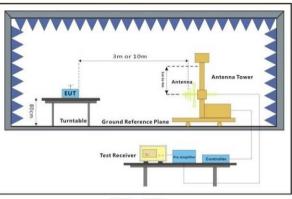
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7.3.3 Test Setup Diagram





Below 30MHz

30MHz-1GHz

7.3.4 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 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 or 10 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 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
- 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. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.



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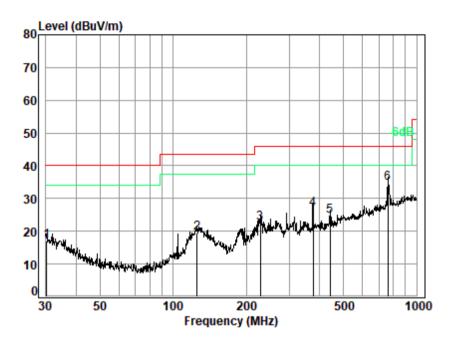


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Test Mode: 13; Polarity: Horizontal



Site : chamber

Condition: 3m HORIZONTAL

Job No. : 03584AT

Test Mode: 13

		Ant	Cable	Preamp	Read		Limit	0ver	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
_	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	30.211	21.10	0.64	27.80	23.12	17.06	40.00	-22.94	QP
2	125.446	10.98	1.33	27.52	34.74	19.53	43.50	-23.97	QP
3	228.490	16.22	1.86	27.15	31.62	22.55	46.00	-23.45	QP
4	375.939	20.75	2.46	27.23	30.65	26.63	46.00	-19.37	QP
5	441.743	21.09	2.69	27.52	28.28	24.54	46.00	-21.46	QP
6 a	763.376	26.50	3.71	27.72	32.10	34.59	46.00	-11.41	OP



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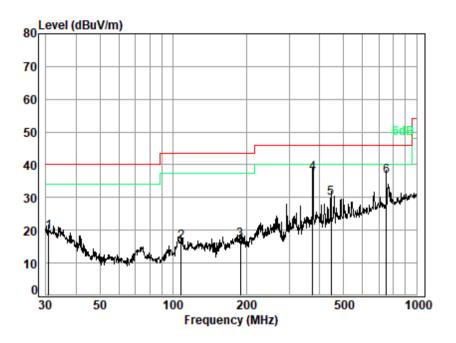


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Test Mode: 13; Polarity: Vertical



Site : chamber

Condition: 3m VERTICAL

Job No. : 03584AT

Test Mode: 13

		Ant	Cable	Preamp	Read		Limit	0ver	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
-	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	——dB	
1	30.745	20.85	0.65	27.80	25.80	19.50	40.00	-20.50	QP
2	107.888	12.09	1.23	27.58	30.83	16.57	43.50	-26.93	QP
3	189.074	14.30	1.67	27.29	28.21	16.89	43.50	-26.61	QP
4 q	374.623	20.67	2.45	27.22	41.38	37.28	46.00	-8.72	QP
5	444.851	21.11	2.70	27.54	33.58	29.85	46.00	-16.15	QP
6	750.108	26.52	3.67	27.76	33.95	36.38	46.00	-9.62	OP



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7.4 Radiated Spurious Emissions Above 1GHz

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

Test Method: ANSI C63.10 (2013) Section 6.6

Measurement Distance: 3m

Limit:

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

7.4.1 E.U.T. Operation

Operating Environment:

Humidity: 54.3 % RH Temperature: 20.8 °C Atmospheric Pressure: 1000 mbar

7.4.2 Test Mode Description

	7.4.2 Test mode Description									
Pre-scan / Final test	Mode Code	Description								
Pre-scan	12	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40). Only the data of worst case is recorded in the report.								
Final test	13	Charge + TX mode_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40). Only the data of worst case is recorded in the report.								



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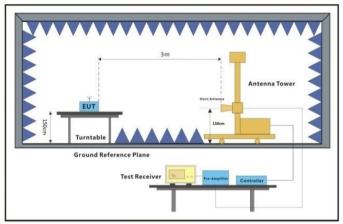


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7.4.3 Test Setup Diagram



Above 1GHz



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7.4.4 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
- Remark 2: 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.
- Remark 3: For devices with multiple operating modes, measurements on the middle channel is used to determine the worst-case mode(s). Only the worst case mode with the widest bandwidth which can be covered the same channel (center frequency) on modes with narrower bandwidth that have the same or lower output power for each modulation family (e.g., OFDM and direct sequence spread spectrum) is recorded in the test report.

Remark 4: All modes and channels have been tested, only record the worst test result.



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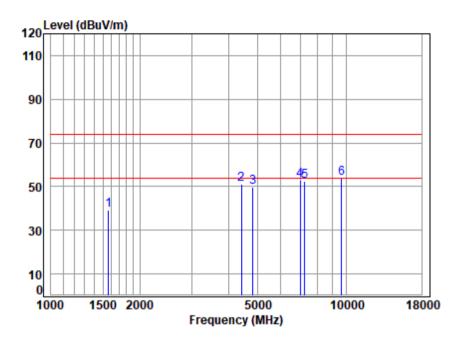


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Test Mode: 13; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 03584AT\03585AT

Mode : 2412 TX RSE

: 2.4G WIFI 11B

			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		1565.191	4.15	26.94	38.40	46.55	39.24	74.00	-34.76	peak
2		4417.841	7.07	34.59	35.78	45.24	51.12	74.00	-22.88	peak
3		4824.000	7.33	34.40	35.50	43.51	49.74	74.00	-24.26	peak
4		6974.982	8.90	35.75	35.55	43.72	52.82	74.00	-21.18	peak
5		7236.000	9.21	35.70	35.82	43.57	52.66	74.00	-21.34	peak
6	q	9648.000	12.39	37.50	37.45	41.38	53.82	74.00	-20.18	peak



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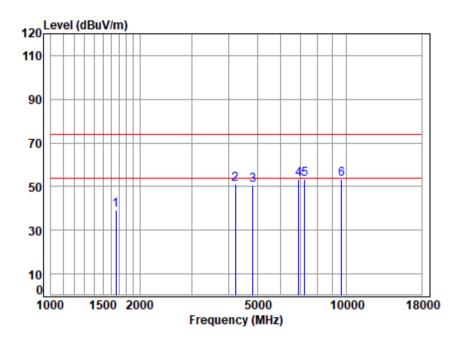


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Test Mode: 13; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 03584AT\03585AT

Mode : 2412 TX RSE

: 2.4G WIFI 11B

			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	_									
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		1658.337	4.28	26.28	38.41	47.29	39.44	74.00	-34.56	peak
2		4218.186	6.93	33.80	35.93	46.38	51.18	74.00	-22.82	peak
3		4824.000	7.33	34.40	35.50	44.30	50.53	74.00	-23.47	peak
4	q	6914.763	8.86	35.66	35.52	44.41	53.41	74.00	-20.59	peak
5		7236.000	9.21	35.70	35.82	44.13	53.22	74.00	-20.78	peak
6		9648.000	12.39	37.50	37.45	40.87	53.31	74.00	-20.69	peak



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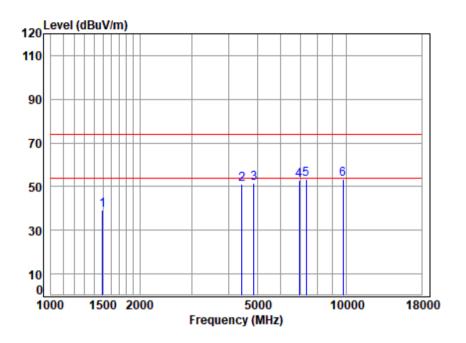


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Test Mode: 13; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:middle



Site : chamber

Condition: 3m HORIZONTAL : 03584AT\03585AT

Mode : 2437 TX RSE

: 2.4G WIFI 11B

			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		1494.455	4.05	26.64	38.39	47.05	39.35	74.00	-34.65	peak
2		4443.453	7.09	34.28	35.77	45.58	51.18	74.00	-22.82	peak
3		4874.000	7.36	34.60	35.47	45.15	51.64	74.00	-22.36	peak
4		6934.778	8.87	35.74	35.53	43.73	52.81	74.00	-21.19	peak
5		7311.000	9.30	35.70	35.89	44.24	53.35	74.00	-20.65	peak
6	q	9748.000	12.46	37.40	37.43	41.13	53.56	74.00	-20.44	peak



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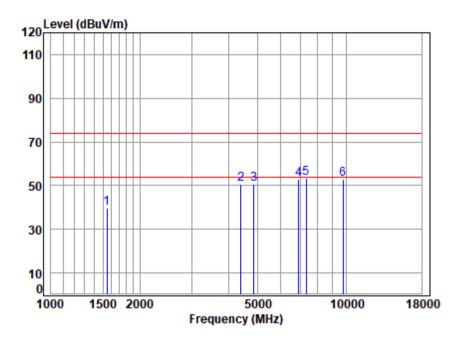


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Test Mode: 13: Polarity: Vertical: Modulation:802.11b: Bandwidth:20MHz: Channel:middle



Site : chamber

Condition: 3m VERTICAL

: 03584AT\03585AT

Mode : 2437 TX RSE

: 2.4G WIFI 11B

			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
								•		
1		1547.199	4.13	26.99	38.39	46.82	39.55	74.00	-34.45	peak
2		4405.090	7.06	34.74	35.79	44.60	50.61	74.00	-23.39	peak
3		4874.000	7.36	34.60	35.47	44.18	50.67	74.00	-23.33	peak
4		6914.763	8.86	35.66	35.52	44.03	53.03	74.00	-20.97	peak
5	q	7311.000	9.30	35.70	35.89	44.49	53.60	74.00	-20.40	peak
6		9748.000	12.46	37.40	37.43	40.68	53.11	74.00	-20.89	peak



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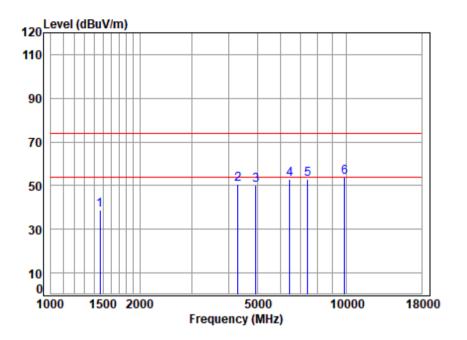


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR231100358404

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Test Mode: 13; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL : 03584AT\03585AT

Mode : 2472 TX RSE

: 2.4G WIFI 11B

			TO MILI	1 110						
			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		1468.761	4.02	25.93	38.38	47.16	38.73	74.00	-35.27	peak
2		4304.400	6.99	34.04	35.87	45.29	50.45	74.00	-23.55	peak
3		4944.000	7.40	34.61	35.43	43.67	50.25	74.00	-23.75	peak
4		6432.732	8.51	35.40	35.20	44.17	52.88	74.00	-21.12	peak
5		7416.000	9.43	35.86	36.00	43.44	52.73	74.00	-21.27	peak
6	q	9888.000	12.55	37.28	37.40	41.56	53.99	74.00	-20.01	peak



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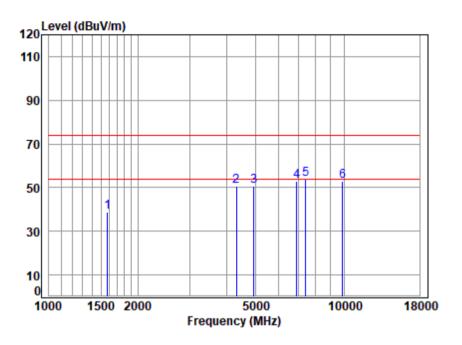


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR231100358404

Page: 55 of 68

Test Mode: 13; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 03584AT\03585AT

Mode : 2472 TX RSE

: 2.4G WIFI 11B

			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		1578.822	4.17	26.88	38.40	46.29	38.94	74.00	-35.06	peak
2		4316.859	7.00	34.13	35.86	45.34	50.61	74.00	-23.39	peak
3		4944.000	7.40	34.61	35.43	44.00	50.58	74.00	-23.42	peak
4		6914.763	8.86	35.66	35.52	43.91	52.91	74.00	-21.09	peak
5	q	7416.000	9.43	35.86	36.00	44.42	53.71	74.00	-20.29	peak
6	ı	9888.000	12.55	37.28	37.40	40.68	53.11	74.00	-20.89	peak



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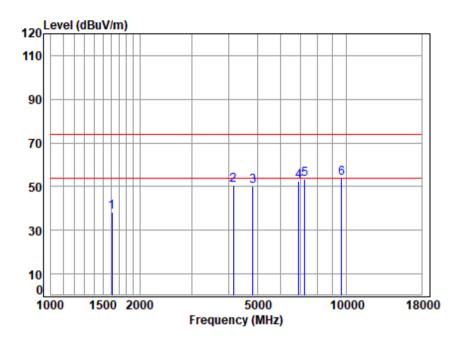


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR231100358404

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Test Mode: 13; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 03584AT\03585AT

Mode : 2412 TX RSE

: 2.4G WIFI 11AX20

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1611.091	4.22	26.69	38.40	45.91	38.42	74.00	-35.58	peak
2	4145.664	6.88	33.73	35.99	45.99	50.61	74.00	-23.39	peak
3	4824.000	7.33	34.40	35.50	44.05	50.28	74.00	-23.72	peak
4	6894.806	8.85	35.59	35.50	43.74	52.68	74.00	-21.32	peak
5	7236.000	9.21	35.70	35.82	44.08	53.17	74.00	-20.83	peak
6 0	9648.000	12.39	37.50	37.45	41.34	53.78	74.00	-20.22	peak



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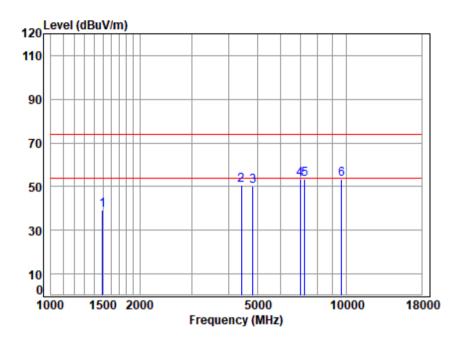


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR231100358404

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Test Mode: 13; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 03584AT\03585AT

Mode : 2412 TX RSE

: 2.4G WIFI 11AX20

			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		1494.455	4.05	26.64	38.39	47.14	39.44	74.00	-34.56	peak
2		4417.841	7.07	34.59	35.78	44.55	50.43	74.00	-23.57	peak
3		4824.000	7.33	34.40	35.50	44.11	50.34	74.00	-23.66	peak
4	q	6995.172	8.92	35.71	35.57	44.42	53.48	74.00	-20.52	peak
5	Ī	7236.000	9.21	35.70	35.82	44.30	53.39	74.00	-20.61	peak
6		9648.000	12.39	37.50	37.45	40.88	53.32	74.00	-20.68	peak



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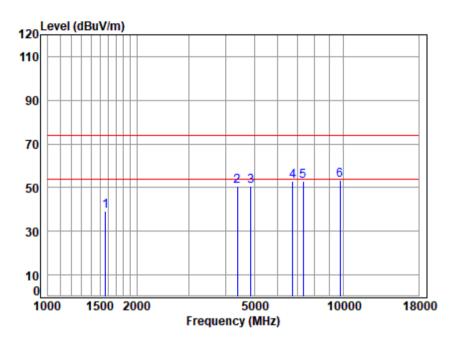


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR231100358404

Page: 58 of 68

Test Mode: 13; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Site : chamber

Condition: 3m HORIZONTAL : 03584AT\03585AT

Mode : 2437 TX RSE

: 2.4G WIFI 11AX20

		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1565.191	4.15	26.94	38.40	46.48	39.17	74.00	-34.83	peak
2	4379.699	7.04	34.64	35.81	44.94	50.81	74.00	-23.19	peak
3	4874.000	7.36	34.60	35.47	44.25	50.74	74.00	-23.26	peak
4	6756.708	8.75	35.21	35.42	44.39	52.93	74.00	-21.07	peak
5	7311.000	9.30	35.70	35.89	43.89	53.00	74.00	-21.00	peak
6	q 9748.000	12.46	37.40	37.43	40.93	53.36	74.00	-20.64	peak



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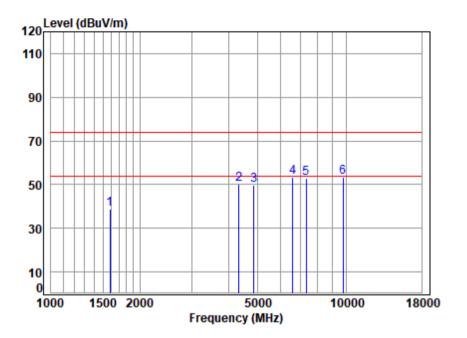


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR231100358404

Page: 59 of 68

Test Mode: 13; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Site : chamber

Condition: 3m VERTICAL

: 03584AT\03585AT

Mode : 2437 TX RSE

: 2.4G WIFI 11AX20

. 2110 1121 2277120										
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	1583.392	4.18	26.87	38.40	46.08	38.73	74.00	-35.27	peak	
2	4329.354	7.01	34.23	35.85	44.73	50.12	74.00	-23.88	peak	
3	4874.000	7.36	34.60	35.47	43.06	49.55	74.00	-24.45	peak	
4	6583.209	8.62	35.37	35.30	44.55	53.24	74.00	-20.76	peak	
5	7311.000	9.30	35.70	35.89	44.03	53.14	74.00	-20.86	peak	
6 0	9748.000	12.46	37.40	37.43	40.84	53.27	74.00	-20.73	peak	



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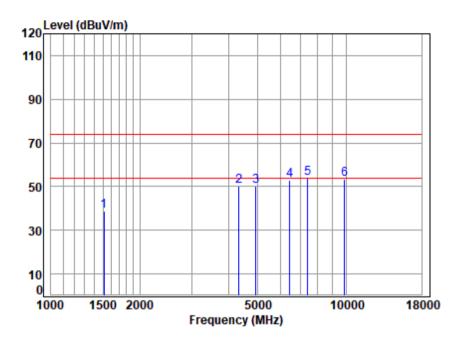


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR231100358404

Page: 60 of 68

Test Mode: 13; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL : 03584AT\03585AT

Mode : 2472 TX RSE

: 2.4G WIFI 11AX20

		Freq			Preamp Factor		Level			Remark
	-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		1511.833	4.08	26.85	38.39	46.20	38.74	74.00	-35.26	peak
2		4329.354	7.01	34.23	35.85	44.72	50.11	74.00	-23.89	peak
3		4944.000	7.40	34.61	35.43	43.60	50.18	74.00	-23.82	peak
4		6432.732	8.51	35.40	35.20	44.10	52.81	74.00	-21.19	peak
5	q	7416.000	9.43	35.86	36.00	44.41	53.70	74.00	-20.30	peak
6	Ī	9888.000	12.55	37.28	37.40	40.99	53.42	74.00	-20.58	peak



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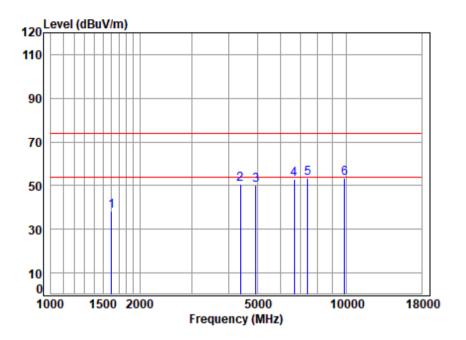


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR231100358404

Page: 61 of 68

Test Mode: 13; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 03584AT\03585AT

Mode : 2472 TX RSE

: 2.4G WIFI 11AX20

			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		1601.804	4.20	26.78	38.40	45.91	38.49	74.00	-35.51	peak
2		4379.699	7.04	34.64	35.81	44.82	50.69	74.00	-23.31	peak
3		4944.000	7.40	34.61	35.43	43.55	50.13	74.00	-23.87	peak
4		6659.763	8.68	35.20	35.35	44.42	52.95	74.00	-21.05	peak
5	q	7416.000	9.43	35.86	36.00	44.03	53.32	74.00	-20.68	peak
6		9888.000	12.55	37.28	37.40	40.75	53.18	74.00	-20.82	peak



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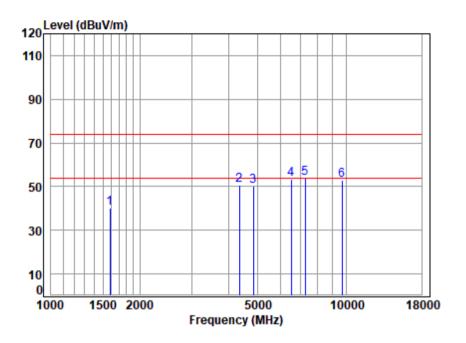


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR231100358404

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Test Mode: 13; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 03584AT\03585AT

Mode : 2422 TX RSE

: 2.4G WIFI 11AX40

Freq			Preamp Factor					Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 1587.975	4.18	26.85	38.40	47.51	40.14	74.00	-33.86	peak
2 4354.454	7.03	34.44	35.83	44.94	50.58	74.00	-23.42	peak
3 4844.000	7.34	34.48	35.49	44.09	50.42	74.00	-23.58	peak
4 6526.373	8.58	35.55	35.27	44.60	53.46	74.00	-20.54	peak
5 q 7266.000	9.25	35.70	35.85	44.58	53.68	74.00	-20.32	peak
6 9688.000	12.42	37.50	37.44	40.66	53.14	74.00	-20.86	peak



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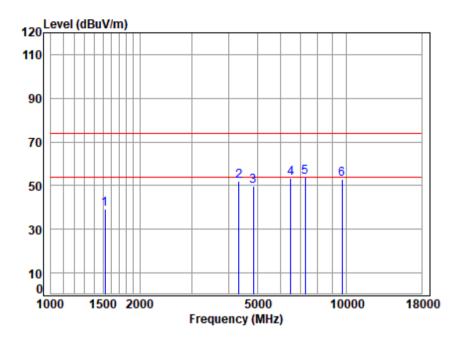


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR231100358404

Page: 63 of 68

Test Mode: 13; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 03584AT\03585AT

Mode : 2422 TX RSE

: 2.4G WIFI 11AX40

1 21 14 1121 22/0010										
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	1525.000	4.10	26.90	38.39	46.49	39.10	74.00	-34.90	peak	
2	4341.886	7.02	34.34	35.84	46.28	51.80	74.00	-22.20	peak	
3	4844.000	7.34	34.48	35.49	43.44	49.77	74.00	-24.23	peak	
4	6488.754	8.55	35.58	35.24	44.27	53.16	74.00	-20.84	peak	
5 (7266.000	9.25	35.70	35.85	44.56	53.66	74.00	-20.34	peak	
6	9688.000	12.42	37.50	37.44	40.35	52.83	74.00	-21.17	peak	



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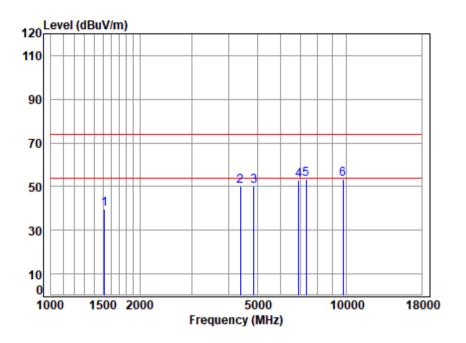


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR231100358404

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Test Mode: 13; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:middle



Site : chamber

Condition: 3m HORIZONTAL : 03584AT\03585AT

Mode : 2437 TX RSE

: 2.4G WIFI 11AX40

. 21 10 1121 1270110										
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	1520.598	4.09	26.88	38.39	47.04	39.62	74.00	-34.38	peak	
2	4392.376	7.05	34.74	35.80	44.18	50.17	74.00	-23.83	peak	
3	4874.000	7.36	34.60	35.47	43.59	50.08	74.00	-23.92	peak	
4	6914.763	8.86	35.66	35.52	43.80	52.80	74.00	-21.20	peak	
5	q 7311.000	9.30	35.70	35.89	44.44	53.55	74.00	-20.45	peak	
6	9748.000	12.46	37.40	37.43	40.98	53.41	74.00	-20.59	peak	



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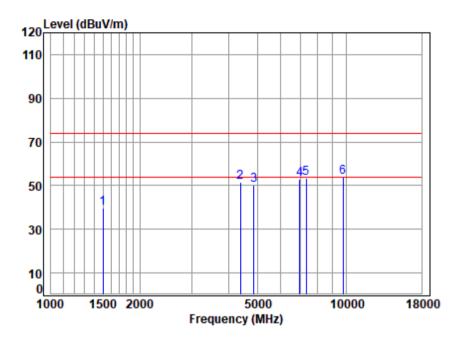


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR231100358404

Page: 65 of 68

Test Mode: 13; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:middle



Site : chamber

Condition: 3m VERTICAL

: 03584AT\03585AT

Mode : 2437 TX RSE

: 2.4G WIFI 11AX40

			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
								-		
1		1498.781	4.06	26.77	38.39	47.24	39.68	74.00	-34.32	peak
2		4392.376	7.05	34.74	35.80	45.34	51.33	74.00	-22.67	peak
3		4874.000	7.36	34.60	35.47	43.74	50.23	74.00	-23.77	peak
4		6954.852	8.89	35.79	35.54	43.78	52.92	74.00	-21.08	peak
5		7311.000	9.30	35.70	35.89	44.43	53.54	74.00	-20.46	peak
6	q	9748.000	12.46	37.40	37.43	41.42	53.85	74.00	-20.15	peak



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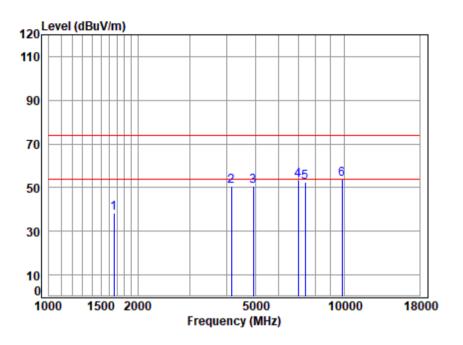


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR231100358404

Page: 66 of 68

Test Mode: 13; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL : 03584AT\03585AT

Mode : 2462 TX RSE

: 2.4G WIFI 11AX40

			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		1663.137	4.28	26.27	38.41	46.13	38.27	74.00	-35.73	peak
2		4145.664	6.88	33.73	35.99	46.20	50.82	74.00	-23.18	peak
3		4924.000								•
4		6974.982								•
5		7386.000								•
6	q	9848.000								•



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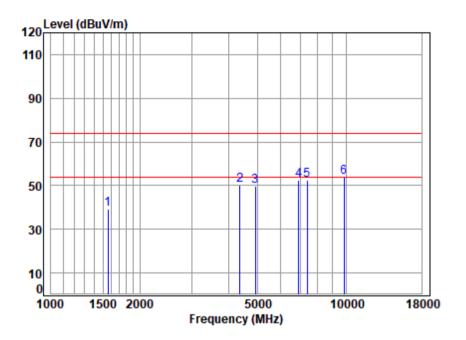


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR231100358404

Page: 67 of 68

Test Mode: 13; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 03584AT\03585AT

Mode : 2462 TX RSE

: 2.4G WIFI 11AX40

. 2114 1111 11111										
			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		1560.673	4.15	26.96	38.40	46.65	39.36	74.00	-34.64	peak
2		4367.058	7.04	34.54	35.82	44.46	50.22	74.00	-23.78	peak
3		4924.000	7.39	34.65	35.44	43.05	49.65	74.00	-24.35	peak
4		6894.806	8.85	35.59	35.50	43.59	52.53	74.00	-21.47	peak
5		7386.000	9.39	35.77	35.97	43.14	52.33	74.00	-21.67	peak
6	q	9848.000	12.53	37.20	37.40	41.33	53.66	74.00	-20.34	peak



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Test Setup Photo 8

Refer to Setup Photo for SZCR2311003584AT

EUT Constructional Details (EUT Photos) 9

Refer to External and Internal Photos for SZCR2311003584AT

- End of the Report -



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