

SZEMC-TRF-01 Rev. A/1 Report No.: SZCR241100407404

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TEST REPORT

Application No.: SZCR2411004074AT

Applicant: Shenzhen Mammotion Innovation Co., Limited

Address of Applicant: 9th Floor, Building A3, Nanshan Zhiyuan, No. 1001 Xueyuan Avenue,

Changyuan Community, Taoyuan Street, Nanshan District, Shenzhen

Manufacturer: Shenzhen Mammotion Innovation Co., Limited

Address of Manufacturer: 9th Floor, Building A3, Nanshan Zhiyuan, No. 1001 Xueyuan Avenue,

Changyuan Community, Taoyuan Street, Nanshan District, Shenzhen

Factory: DONGGUAN SHINGI ELECTRONICS CO.,LTD

Address of Factory: No.1 Yadi South Road, Qiaotou Town, Dongguan City, Guangdong

Province, China.ss

Equipment Under Test (EUT):

EUT Name: YUKA mini

Model No.: 800, 700, 600, 500

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

actually tested and which were electrically identical.

Trade Mark: MAMMOTION

FCC ID: 2BFWS-YUKAMN

Standard(s): 47 CFR Part 15, Subpart E 15.407

Date of Receipt: 2024-11-01

Date of Test: 2024-11-26 to 2024-12-04

Date of Issue: 2024-12-12

Test Result: Pass*

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	Version Chapter Date Modifier Remark						
01		2024-12-12		Original			

Authorized for issue by:		
	Bonson Wond	
	Benson Wang/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,	N/A	47 CFR Part 15, Subpart C 15.203	Pass	
Transmission in the Absence of Data	Subpart E 15.407	N/A	47 CFR Part 15, Subpart E 15.407 (c)	Pass	

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 & Subpart E 15.407 b(9)	Pass
Maximum Conducted output power		KDB 789033 D02 II E	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Radiated Emissions (Below 1GHz)		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions (Above 1GHz)		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions which fall in the restricted bands		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Channel Move Time	47 CFR Part 15, Subpart E 15.407	KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass
Duty Cycle		KDB 789033 D02 II B 1	KDB 789033 D02 II B 1	Pass
99% Bandwidth		KDB 789033 D02 II D	N/A	Pass
26dB Emission bandwidth		KDB 789033 D02 II C 1	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Minimum 6 dB bandwidth (5.725- 5.85 GHz band)		KDB 789033 D02 II C 2	47 CFR Part 15, Subpart E 15.407 (e)	Pass
Peak Power spectrum density		KDB 789033 D02 II F	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Frequency Stability		ANSI C63.10 (2013) Section 6.8	47 CFR Part 15, Subpart E 15.407 (g)	Pass
Channel Closing Transmission Time		KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass



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Declaration of EUT Family Grouping:

Model No.: 800, 700, 600, 500

Only the model 800 was tested, since according to the declaration from the applicant, the electrical circuit design, PCB layout, components used, internal wiring and functions were identical for all the above models, with only difference on battery. The battery model which 800 use is MWBT06S02P-01; The battery model which 700 use is MWBT06S02P-03; The battery model which 600/500 use are MWBT06S01P-03 and MWBT06S01P-04.



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General Information

4.1 Details of E.U.T.

4.1	Details of E.U.T.	
	Power supply:	Powered by Rechargeable Li-ion Battery.
		Battery1 information
		Model: MWBT06S02P-01
		Nominal Voltage: 21.6Vdc
		Rated Capacity: 6.1Ah/131.76Wh
		Battery2 information
		Model: MWBT06S01P-03
		Nominal Voltage: 21.6Vdc
		Rated Capacity: 2.4Ah/51.84Wh
		Battery3 information
		Model: MWBT06S02P-03
		Nominal Voltage: 21.6Vdc
		Rated Capacity: 4.5Ah/97.2Wh
		Battery4 information
		Model: MWBT06S01P-04
		Nominal Voltage: 21.6Vdc
		Rated Capacity: 2.4Ah/51.84Wh
		Charging station information
		Model: CHG2300
		Input: 28Vdc, 60.2W
		Output: 28Vdc, 2.15A
		Charging station adapter information
		Model: TS-A060-2802151
		Input: 100-240VAC, 50/60Hz 1.5A Max
		Output: 28.0Vdc, 2.15A, 60.2W
	Cable(s):	AC cable of adapter: 185cm unshielded
		DC cable of adapter to EUT: 705cm unshielded
		DC Cable of charge station to RTK:220cm unshielded
	Cable Loss (for RF conducted test):	0.5dB
		U-NII-1:5180-5240MHz (4 Channels)
	Operation Frequency/Number of	U-NII-2A: 5260-5320MHz (4 Channels)
	channels (20MHz):	U-NII-2C: 5500-5720MHz (12 Channels)
61141111616 (261VII 12).		U-NII-3: 5745-5825MHz (5 Channels)
		U-NII-1:5190-5230MHz (2 Channels)
	Operation Fraguency/Number of	U-NII-2A: 5270-5310MHz (2 Channels)
	Frequency/Number of channels/(40MHz):	U-NII-2C: 5510-5710MHz (6 Channels)
		U-NII-3: 5755-5795MHz (2 Channels)



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Madulation Type	OFDM (64QAM, 16QAM, QPSK, BPSK);
Modulation Type:	802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM);
Channel Spacing:	802.11a/n 20: 20MHz; 802.11n 40: 40MHz;
DFS Function:	Slave without Radar detection
Antenna Type:	PIFA Antenna
Antenna Gain:	3.1dBi

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

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
Maximum Conducted output power	± 0.75dB
Radiated Emissions (Below 1GHz)	± 6.0dB for 3m; ± 5.0dB for 10m
Radiated Emissions (Above 1GHz)	± 4.6dB (1-18GHz);± 4.8dB (18- 40GHz)
Radiated Emissions which fall in the restricted bands	± 6.0dB (below 1GHz); ± 4.6dB (above 1GHz);
Duty Cycle	± 0.37%
99% Bandwidth	± 3%
26dB Emission bandwidth	± 3%
Minimum 6 dB bandwidth (5.725-5.85 GHz band)	± 3%
Peak Power spectrum density	± 2.84dB
Frequency Stability	± 7.25 x 10-8

Remark:

The Ulab (lab Uncertainty) is less than Ucispr/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	ESR	SZ-WRG-M- 047	2024-01-30	2025-01-29
Matching Pad	N/A	N/A	SEM021-23	2024-03-20	2025-03-19
Matching Pad	N/A	N/A	SEM021-24	2024-03-20	2025-03-19
Measurement Software	AUDIX	e3 V8.2014-6- 27a	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2024-07-06	2025-07-05
LISN	Rohde&Schwarz	ENV216	SEM007-01	2024-08-15	2025-08-14
LISN	ETS-LINDGREN	3816/2	SEM007-02	2024-03-14	2025-03-13

Radiated 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	2024-08-14	2025-08-13	
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-01	2023-09-16	2025-09-15	
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	2024-03-14	2025-03-13	
Measurement Software	AUDIX	e3 V8.2014-6- 27	N/A	N/A	N/A	
Coaxial Cable	SGS	N/A	SEM025-01	2024-07-06	2025-07-05	

Radiated Emissions (Above 1GHz)						
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	
3m Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2024-05-11	2027-05-10	
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2024-03-15	2025-03-14	
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2023-07-23	2025-07-22	
Microwave system amplifier	Agilent	83017A	SEM005-25	2024-09-14	2025-09-13	
Measurement Software AUDIX		e3 V8.2014-6- 27	N/A	N/A	N/A	
Coaxial Cable	SGS	N/A	SEM026-01	2024-07-06	2025-07-05	
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2024-08-10	2025-08-09	



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Pre-Amplifier	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2024-03-15	2025-03-14
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DFS	_					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	
Manual Step Attenuator	KEYSIGHT	8494B	SEM021-05	2024-03-27	2025-03-26	
Manual Step Attenuator KEYSIGHT		8496B	SEM021-06	2024-03-27	2025-03-26	
Measurement Software KEYSIGH		Signal Studio for DFS Radar Profiles V2.2.0.0	N/A	N/A	N/A	
Measurement Software	Agilent	ISMonitor10	N/A	N/A	N/A	
MXG Vector Signal Generator	Agilent	N5182A	SEM006-21	2024-03-27	2025-03-26	
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-22	2024-03-14	2025-03-13	

RF Conducted Test							
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date		
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2024-08-14	2025-08-13		
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2024-03-14	2025-03-13		
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2024-09-14	2025-09-13		
Measurement Software TST PASS		TST PASS V2.0	N/A	N/A	N/A		
Coaxial Cable	Cable SGS N/A SI		SEM031-01	2024-07-06	2025-07-05		
Attenuator	Attenuator Huber+Suhner		SEM021-09	2024-03-27	2025-03-26		
Programmable Votsch Temperature & Humidity Industrietechnik Chamber GmbH		VT 4002	SEM002-15	2024-03-19	2025-03-18		
Manual Step Attenuator	KEYSIGHT	8494B	SEM021-05	2024-03-27	2025-03-26		
Manual Step Attenuator	KEYSIGHT	8496B	SEM021-06	2024-03-27	2025-03-26		
MXG Vector Signal Generator	Agilent	N5182A	SEM006-21	2024-03-27	2025-03-26		
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-22	2024-03-14	2025-03-13		



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General used equipment						
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	
Humidity/ Temperature Indicator	deli	8838	SEM002-32	2024-07-24	2025-07-23	
Humidity/ Temperature Indicator	deli	8838	SEM002-33	2024-07-24	2025-07-23	
Barometer	Changchun neter Meteorological Industry Factory		SEM002-01	2024-03-18	2025-03-17	



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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

6.1.2 Conclusion

15.203 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.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 3.1dBi.

Antenna location: Refer to internal photos



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6.2 Transmission in the Absence of Data

6.2.1 Test Requirement:

47 CFR Part 15, Subpart E 15.407 (c)

6.2.2 Conclusion

Standard Requirement:

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signalling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals.

Applicants shall include in their application for equipment authorization a description of how this requirement is met.

EUT Details:

WIFI chip support automatically discontinue transmission in case of either absence of information to transmit or operational failure, if the chip detect absence of information to transmit or operational failure, it will be automatically shut off.



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Radio Spectrum Matter Test Results 7

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

47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9) Test Requirement

Test Method: ANSI C63.10 (2013) Section 6.2

Limit:

Eroguanay of amission/MHz	Conducted limit(dB μ V)				
Frequency of 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 of the frequency.					

7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 22.5 °C Humidity: 44.5 % RH Atmospheric Pressure: 1020 mbar

7.1.2 Test Mode Description

	7.7.2 Test mode besomption					
Pre-scan / Final test	Mode Code	Description				
Final test	14	Charge + TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.				
Pre-scan	15	Charge + TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.				
Pre-scan	16	Charge + TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.				
Pre-scan	17	Charge + TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.				



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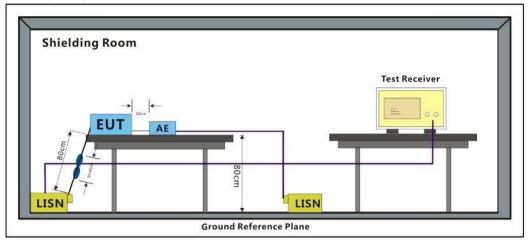
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7.1.3 Test Setup Diagram



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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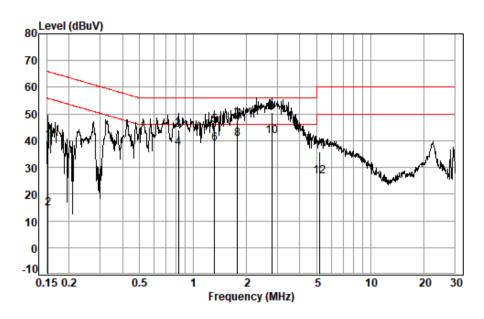


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Test Mode: 14; Line: Live line



: Shielding Room

Condition: Line Job No. : 04074AT

Test mode: 14

		Cable	LISN	Read		Limit	0ver	
	Freq	Loss	Factor	Level	Level	Line	Limit	Remark
								
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1524	0.06	10.19	29.72	39.97	65.87	-25.90	OΡ
2	0.1524	0.06	10.19	4.54	14.79			-
								Average
3	0.8261	0.09	9.62	34.45	44.16	56.00	-11.84	QP
4	0.8261	0.09	9.62	27.57	37.28	46.00	-8.72	Average
5	1.3238	0.10	9.58	36.16	45.84	56.00	-10.16	QP
6	1.3238	0.10	9.58	29.35	39.03	46.00	-6.97	Average
7	1.7810	0.10	9.58	38.20	47.88	56.00	-8.12	QP
8	1.7810	0.10	9.58	31.12	40.80	46.00	-5.20	Average
9 *	2.7794	0.11	9.64	40.97	50.72	56.00	-5.28	QP
10 *	2.7794	0.11	9.64	31.92	41.67	46.00	-4.33	Average
11	5.1937	0.12	9.66	26.00	35.78	60.00	-24.22	QP
12	5 1937	0 12	9 66	16 88	26 66	50 00	-23 3/	Λυργασρ



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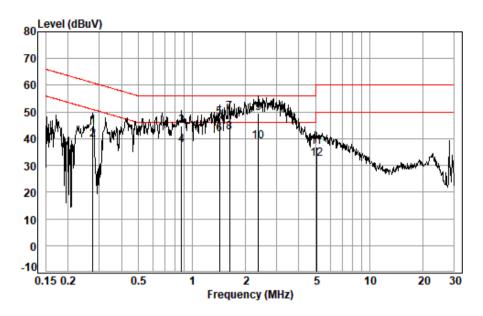


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Test Mode: 14; Line: Neutral Line



: Shielding Room

Condition: Neutral Job No. : 04074AT

Test mode: 14

C3 C	mode. 14							
		Cable	LISN	Read		Limit	0ver	
	Freq	Loss	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.2759	0.07	9.83	34.80	44.70	60.94	-16.24	QP
2	0.2759	0.07	9.83	29.58	39.48	50.94	-11.46	Average
3	0.8757	0.09	9.58	35.00	44.67	56.00	-11.33	QP
4	0.8757	0.09	9.58	27.92	37.59	46.00	-8.41	Average
5	1.4257	0.10	9.55	38.14	47.79	56.00	-8.21	QP
6	1.4257	0.10	9.55	32.08	41.73	46.00	-4.27	Average
7 *	1.6276	0.10	9.55	40.20	49.85	56.00	-6.15	QP
8 *	1.6276	0.10	9.55	32.79	42.44	46.00	-3.56	Average
9	2.3710	0.11	9.55	39.85	49.51	56.00	-6.49	QP
10	2.3710	0.11	9.55	29.26	38.92	46.00	-7.08	Average
11	5.0312	0.12	9.56	27.19	36.87	60.00	-23.13	QP _
12	5.0312	0.12	9.56	22.74	32.42	50.00	-17.58	Average



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7.2 Maximum Conducted output power

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)

Test Method: KDB 789033 D02 II E

Limit:

Frequen	cy band(MHz)	Limit	
5150-	E2E0	≤1W(30dBm) for master device	
5150-	5250	≤250mW(24dBm) for client device	
5250-	5350	≤250mW(24dBm) or 11dBm+10logB*	
5470-	5725	≤250mW(24dBm) or 11dBm+10logB*	
5725-	5850	≤1W(30dBm)	
Remark:	* Where B is the	e 26dB emission bandwidth in MHz.	
	The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of a rms-equivalent voltage.		

7.2.1 E.U.T. Operation

Operating Environment:

25.6 °C Humidity: 47.3 % RH Temperature: Atmospheric Pressure: 1020 mbar

7.2.2 Test Mode Description

	1.2.2 Test mode Description					
Pre-scan / Final test	Mode Code	Description				
Final test	09	TX mode (U-NII-1)_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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.				
Final test	10	TX mode (U-NII-2A) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.				
Final test	11	TX mode (U-NII-2C) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11nn 20/40, Only the data of worst case is recorded in the report.				



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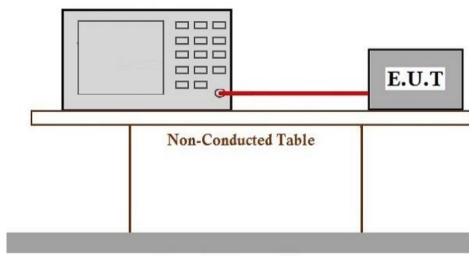
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		TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all
E' altra	40	modulation types. All data rates for each modulation type have been tested and
Final test	12	found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0
		is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in
		the report.

7.2.3 Test Setup Diagram



Ground Reference Plane

7.2.4 Measurement Procedure and Data

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

Please Refer to Appendix for Details



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7.3 Radiated Emissions (Below 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)

Test Method: KDB 789033 D02 II G

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: 20.2 °C Humidity: 45.2 % RH Atmospheric Pressure: 1020 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1)_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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.
Pre-scan	10	TX mode (U-NII-2A) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.
Pre-scan	11	TX mode (U-NII-2C) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11nn 20/40, Only the data of worst case is recorded in the report.



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Pre-scan	12	TX mode (U-NII-3) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.
Pre-scan	14	Charge + TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.
Pre-scan	15	Charge + TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.
Pre-scan	16	Charge + TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.
Pre-scan	17	Charge + TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.
Pre-scan	34	TX mode (U-NII-1) (Battery 2)_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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.
Pre-scan	35	TX mode (U-NII-2A) (Battery 2)_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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.
Pre-scan	36	TX mode (U-NII-2C) (Battery 2)_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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11nn 20/40, Only the data of worst case is recorded in the report.
Pre-scan	37	TX mode (U-NII-3) (Battery 2)_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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.



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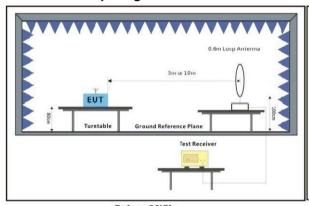
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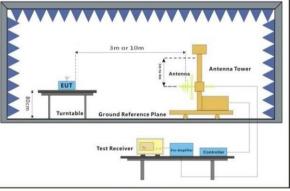
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Pre-scan	38	Charge + TX mode (U-NII-1) (Battery 2)_Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.					
Pre-scan	39	Charge + TX mode (U-NII-2A) (Battery 2)_Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.					
Pre-scan		Charge + TX mode (U-NII-2C) (Battery 2)_Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.					
Pre-scan	41	Charge + TX mode (U-NII-3) (Battery 2)_Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.					

7.3.3 Test Setup Diagram





Below 30MHz

30MHz-1GHz



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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 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. For emission below 1GHz, through the pre-scan found the worst case is the lowest channel of 802.11a. Only the worst case is recorded in the report.
- 3. 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.
- 4. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.



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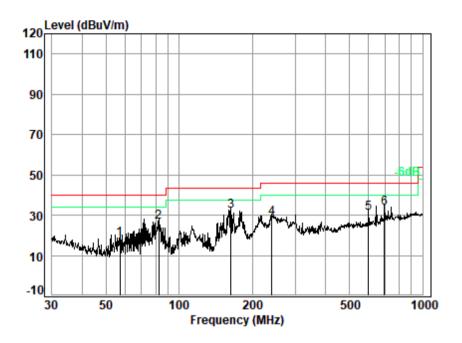


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Test Mode: 09; Polarity: Horizontal



Site : chamber

Condition: 3m HORIZONTAL Job No. : 04074AT/04075AT

Mode : 09

		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	
		u0/	45	45	aba.	abar, iii	abar, iii	45	
1	56.991	11.77	0.89	27.71	33.43	18.38	40.00	-21.62	QP
2	82.359	10.66	1.08	27.64	42.68	26.78	40.00	-13.22	QP
3 q	163.182	13.33	1.53	27.32	44.45	31.99	43.50	-11.51	QP
4	240.830	17.05	1.91	27.00	36.49	28.45	46.00	-17.55	QP
5	599.321	24.42	3.21	27.97	31.34	31.00	46.00	-15.00	QP
6	696.857	25.87	3.50	27.73	31.71	33.35	46.00	-12.65	OP



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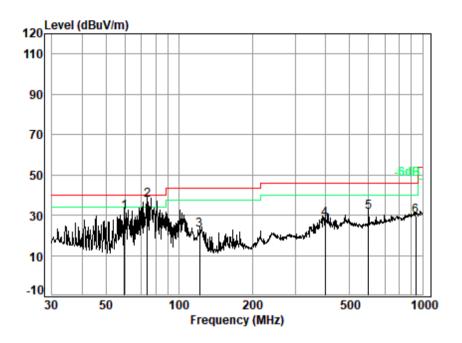


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Test Mode: 09; Polarity: Vertical



Site : chamber

Condition: 3m VERTICAL

Job No. : 04074AT/04075AT

Mode : 09

		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	59.649	11.52	0.92	27.71	46.75	31.48	40.00	-8.52	QP
2 q	74.135	10.39	1.02	27.66	53.58	37.33	40.00	-2.67	QP
3	121.549	11.03	1.31	27.50	37.57	22.41	43.50	-21.09	QP
4	397.633	20.67	2.54	27.15	32.02	28.08	46.00	-17.92	QP
5	599.321	24.42	3.21	27.97	31.85	31.51	46.00	-14.49	QP
6	938.833	28.13	4.19	26.49	23.93	29.76	46.00	-16.24	OP



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7.4 Radiated Emissions (Above 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)

Test Method: KDB 789033 D02 II G

Measurement Distance: 3m

Limit:

	Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
	Above 1GHz	3	
a.	any emission outside the 59 spectral density	25-7125 MHz frequency band shall no	t exceed -27 dBm/MHz e.i.r.p.
b.	the e.i.r.p. spectral density of	of unwanted emissions falling into the 59	925-7125 MHz frequency band

20dB at 1MHz away from the channel edges. i.

shall be attenuated below the reference spectral density by:

- ii. a value, linearly interpolated in a dB scale, between 20 dB and 28 dB at frequencies between 1MHz outside of channel edges and 1 channel bandwidth away from the operating channel center, respectively
- iii. 28dB at 1 channel bandwidth away from the operating channel center
- a value, linearly interpolated in a dB scale, between 28 dB and 40 dB at frequencies iν. between 1 channel bandwidth away from the operating channel center and 1.5 times the channel bandwidth away from the operating channel center, respectively
- 40dB at 1.5 times the channel bandwidth away from the operating channel center
- a minimum of 40 dB at frequencies that are further away than 1.5 times the channel vi. bandwidth from the operating channel center.

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 22.0 °C Humidity: 39.3 % RH Atmospheric Pressure: 1020 mbar



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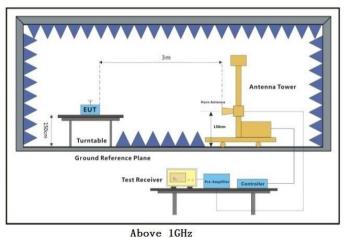
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7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1)_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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.
Final test	10	TX mode (U-NII-2A) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.
Final test	11	TX mode (U-NII-2C) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11nn 20/40, Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-3) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.

7.4.3 Test Setup Diagram





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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
- 2. Scan from 18GHz to 40GHz, the disturbance above 18GHz 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.
- 3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.
- 4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
- 5. 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 highest output power and the mode with the highest output power spectral density for each modulation family (e.g., OFDM and direct sequence spread spectrum) is recorded in the test report.
- 6.The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.
- 7. For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is ≥1/T (Duty cycle<98%) or 10Hz (Duty cycle ≥ 98%) for Average detection (AV) at frequency above 1GHz.



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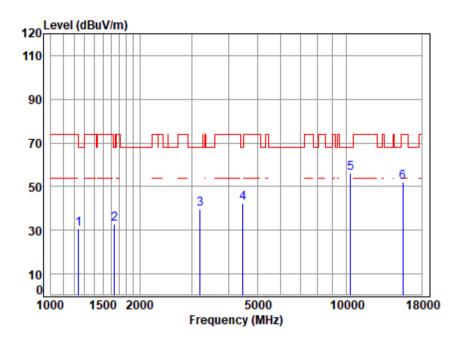


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Test Mode: 09; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT

Mode : 5180 TX RSE Note : 5G WIFI 11A

		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	1242.068	3.74	24.99	54.69	56.62	30.66	68.20	-37.54	peak	
2	1644.019	4.25	26.36	54.82	56.90	32.69	68.20	-35.51	peak	
3	3196.094	6.25	32.87	54.85	55.57	39.84	68.20	-28.36	peak	
4	4469.214	7.22	33.97	54.25	55.60	42.54	68.20	-25.66	peak	
5	p10360.000	11.14	37.10	53.13	60.98	56.09	68.20	-12.11	peak	
6	15540.000	13.79	41.10	52.16	49.36	52.09	74.00	-21.91	peak	



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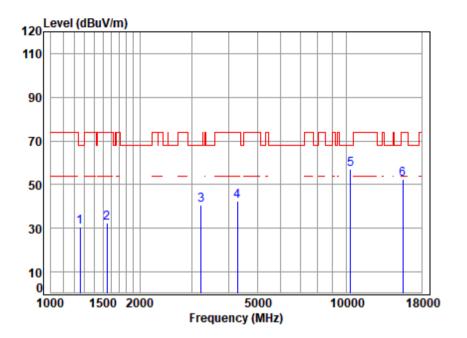


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Test Mode: 09; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5180 TX RSE Note : 5G WIFI 11A

~ ~ ~		***							
		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	1256.512	3.76	25.06	54.70	56.54	30.66	68.20	-37.54	peak
2	1547.199	4.11	26.99	54.79	56.11	32.42	74.00	-41.58	peak
3	3223.928	6.28	32.52	54.82	56.58	40.56	68.20	-27.64	peak
4	4291.977	7.01	33.97	54.27	55.84	42.55	74.00	-31.45	peak
5	p10360.000	11.14	37.10	53.13	61.78	56.89	68.20	-11.31	peak
6	15540.000	13.79	41.10	52.16	49.96	52.69	74.00	-21.31	peak



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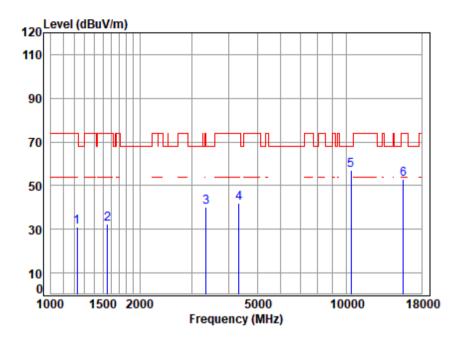


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Test Mode: 09; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT

Mode : 5200 TX RSE Note : 5G WIFI 11A

	****	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	
1227.791	3.72	24.79	54.69	57.02	30.84	74.00	-43.16	peak
1556.169	4.12	26.98	54.79	56.18	32.49	74.00	-41.51	peak
3357.061	6.40	32.14	54.73	56.35	40.16	74.00	-33.84	peak
4341.886	7.07	34.34	54.26	55.00	42.15	74.00	-31.85	peak
p10400.000	11.20	37.10	53.12	61.82	57.00	68.20	-11.20	peak
15600.000	13.86	41.10	52.11	49.99	52.84	74.00	-21.16	peak
	MHz 1227.791 1556.169 3357.061 4341.886 p10400.000	Freq Loss MHz dB 1227.791 3.72 1556.169 4.12 3357.061 6.40 4341.886 7.07 p10400.000 11.20	Freq Loss Factor MHz dB dB/m 1227.791 3.72 24.79 1556.169 4.12 26.98 3357.061 6.40 32.14 4341.886 7.07 34.34 p10400.000 11.20 37.10	Freq Loss Factor Factor MHz dB dB/m dB 1227.791 3.72 24.79 54.69 1556.169 4.12 26.98 54.79 3357.061 6.40 32.14 54.73 4341.886 7.07 34.34 54.26 p10400.000 11.20 37.10 53.12	Freq Loss Factor Factor Level MHz dB dB/m dB dBuV 1227.791 3.72 24.79 54.69 57.02 1556.169 4.12 26.98 54.79 56.18 3357.061 6.40 32.14 54.73 56.35 4341.886 7.07 34.34 54.26 55.00 p10400.000 11.20 37.10 53.12 61.82	Freq Loss Factor Factor Level Level MHz dB dB/m Level Level MHz dB / dB/m dB / dBuV dBuV/m 1227.791 3.72 24.79 54.69 57.02 30.84 1556.169 4.12 26.98 54.79 56.18 32.49 3357.061 6.40 32.14 54.73 56.35 40.16 4341.886 7.07 34.34 54.26 55.00 42.15 p10400.000 11.20 37.10 53.12 61.82 57.00	Freq Loss Factor Factor Level Level Line MHz	



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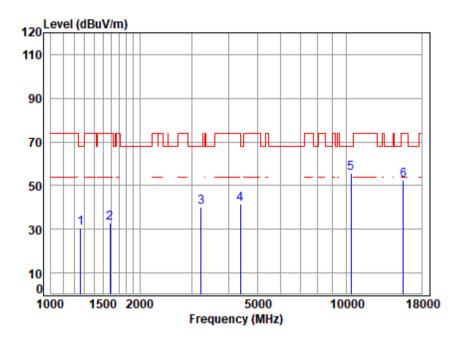


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Test Mode: 09; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5200 TX RSE Note : 5G WIFI 11A

		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	1260.149	3.76	25.04	54.70	56.36	30.46	68.20	-37.74	peak
2	1587.975	4.17	26.85	54.80	56.85	33.07	74.00	-40.93	peak
3	3223.928	6.28	32.52	54.82	55.99	39.97	68.20	-28.23	peak
4	4392.376	7.13	34.74	54.26	54.02	41.63	74.00	-32.37	peak
5	p10400.000	11.20	37.10	53.12	60.69	55.87	68.20	-12.33	peak
6	15600.000	13.86	41.10	52.11	49.69	52.54	74.00	-21.46	peak



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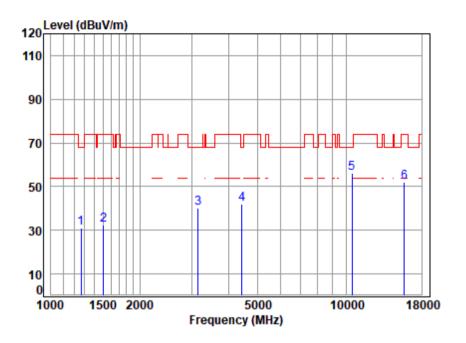


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Test Mode: 09; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT

Mode : 5240 TX RSE Note : 5G WIFI 11A

~ ~ ~		***							
		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	1267.454	3.77	25.00	54.70	56.86	30.93	68.20	-37.27	peak
2	1507.470	4.05	26.83	54.78	56.30	32.40	74.00	-41.60	peak
3	3150.237	6.21	32.50	54.88	56.31	40.14	68.20	-28.06	peak
4	4443.453	7.19	34.28	54.25	54.54	41.76	68.20	-26.44	peak
5	p10480.000	11.33	37.26	53.10	60.67	56.16	68.20	-12.04	peak
6	15720.000	14.01	41.22	52.02	48.63	51.84	74.00	-22.16	peak



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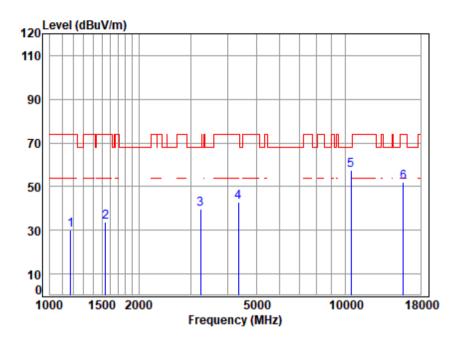


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Test Mode: 09; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5240 TX RSE Note : 5G WIFI 11A

		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	1175.697	3.65	24.16	54.67	57.14	30.28	74.00	-43.72	peak	
2	1542.733	4.10	26.97	54.79	57.59	33.87	74.00	-40.13	peak	
3	3233.260	6.29	32.37	54.82	55.91	39.75	68.20	-28.45	peak	
4	4354.454	7.08	34.44	54.26	55.40	42.66	74.00	-31.34	peak	
5	p10480.000	11.33	37.26	53.10	62.08	57.57	68.20	-10.63	peak	
6	15720.000	14.01	41.22	52.02	48.89	52.10	74.00	-21.90	peak	



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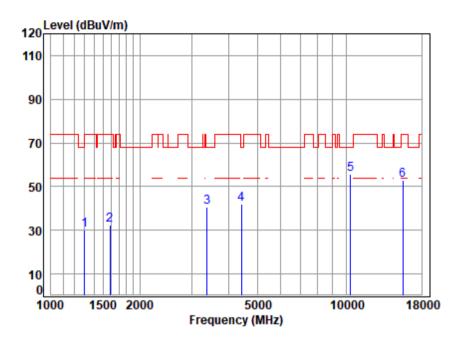


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Report No.: SZCR241100407404

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Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5180 TX RSE

Note : 5G WIFI 11N20

		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	1300.858	3.81	24.79	54.71	56.14	30.03	74.00	-43.97	peak
2	1587.975	4.17	26.85	54.80	56.31	32.53	74.00	-41.47	peak
3	3386.297	6.42	32.32	54.71	56.70	40.73	68.20	-27.47	peak
4	4417.841	7.16	34.59	54.26	54.65	42.14	68.20	-26.06	peak
5	p10360.000	11.14	37.10	53.13	60.59	55.70	68.20	-12.50	peak
6	15540.000	13.79	41.10	52.16	50.00	52.73	74.00	-21.27	peak



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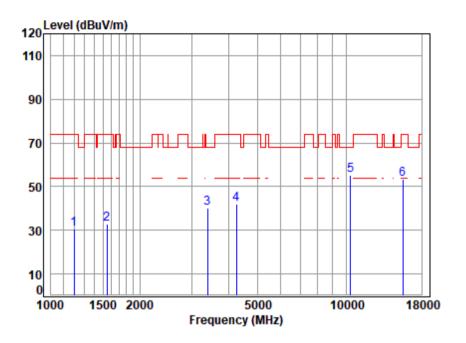


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Report No.: SZCR241100407404

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Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5180 TX RSE Note : 5G WIFI 11N20

		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	1196.264	3.68	24.36	54.68	57.04	30.40	74.00	-43.60	peak	
2	1547.199	4.11	26.99	54.79	56.57	32.88	74.00	-41.12	peak	
3	3396.098	6.43	32.38	54.70	56.08	40.19	68.20	-28.01	peak	
4	4254.921	6.96	33.82	54.27	55.69	42.20	74.00	-31.80	peak	
5	p10360.000	11.14	37.10	53.13	60.10	55.21	68.20	-12.99	peak	
6	15540.000	13.79	41.10	52.16	50.55	53.28	74.00	-20.72	peak	



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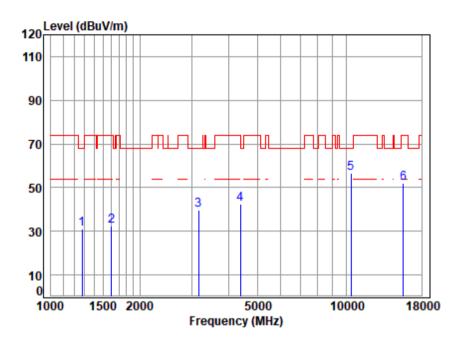


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Report No.: SZCR241100407404

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Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5200 TX RSE

Note : 5G WIFI 11N20

		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	1274.802	3.78	24.95	54.71	57.08	31.10	68.20	-37.10	peak
2	1606.441	4.19	26.74	54.81	56.30	32.42	74.00	-41.58	peak
3	3168.500	6.23	32.65	54.87	55.86	39.87	68.20	-28.33	peak
4	4392.376	7.13	34.74	54.26	54.68	42.29	74.00	-31.71	peak
5	p10400.000	11.20	37.10	53.12	61.19	56.37	68.20	-11.83	peak
6	15600.000	13.86	41.10	52.11	49.36	52.21	74.00	-21.79	peak



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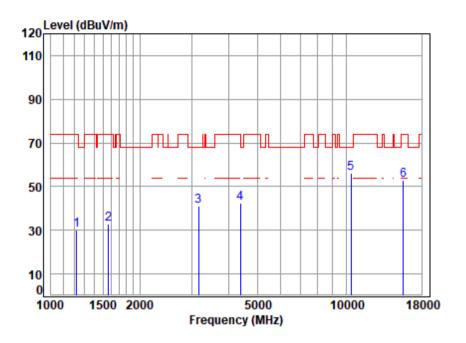


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Report No.: SZCR241100407404

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Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5200 TX RSE Note : 5G WIFI 11N20

,		****	111120						
		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	1220.714	3.71	24.69	54.69	56.47	30.18	74.00	-43.82	peak
2	1569.721	4.14	26.92	54.80	56.39	32.65	74.00	-41.35	peak
3	3168.500	6.23	32.65	54.87	56.87	40.88	68.20	-27.32	peak
4	4379.699	7.11	34.64	54.26	55.04	42.53	74.00	-31.47	peak
5	10400.000	11.20	37.10	53.12	60.82	56.00	68.20	-12.20	peak
6	15600.000	13.86	41.10	52.11	50.05	52.90	74.00	-21.10	peak



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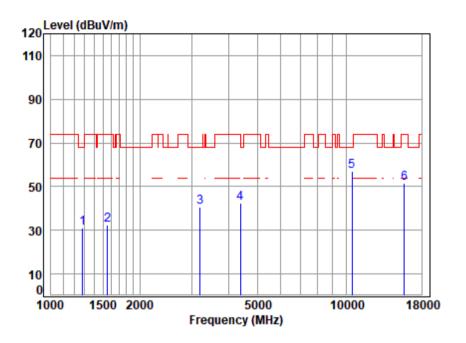


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Report No.: SZCR241100407404

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Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber

Note

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5240 TX RSE

: 5G WIFI 11N20

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Limit Remark Freq Level Level Line dBuV dBuV/m dBuV/m MHz dB dB/m 1278.492 3.78 24.93 54.71 57.25 31.25 68.20 -36.95 peak 1 1556.169 4.12 26.98 54.79 56.14 32.45 74.00 -41.55 peak 2 3205.345 6.26 32.81 54.84 56.27 40.50 68.20 -27.70 peak 4392.376 7.13 34.74 54.26 54.76 42.37 74.00 -31.63 peak 5 p10480.000 11.33 37.26 53.10 61.35 56.84 68.20 -11.36 peak 14.01 41.22 52.02 48.53 51.74 74.00 -22.26 peak 15720.000



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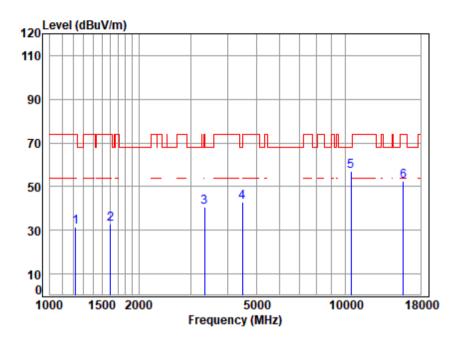


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Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5240 TX RSE Note : 5G WIFI 11N20

		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	1224.247	3.71	24.74	54.69	57.53	31.29	74.00	-42.71	peak
2	1601.804	4.19	26.78	54.80	56.57	32.74	74.00	-41.26	peak
3	3347.371	6.39	32.05	54.73	56.84	40.55	74.00	-33.45	peak
4	4495.125	7.24	33.66	54.25	56.18	42.83	68.20	-25.37	peak
5	p10480.000	11.33	37.26	53.10	61.75	57.24	68.20	-10.96	peak
6	15720.000	14.01	41.22	52.02	49.48	52.69	74.00	-21.31	peak



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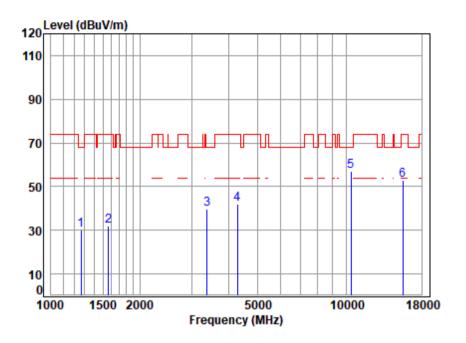


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Report No.: SZCR241100407404

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Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT

Mode : 5190 TX RSE Note : 5G WIFI 11N40

~ ~ ~		****	111110						
		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	1267.454	3.77	25.00	54.70	56.23	30.30	68.20	-37.90	peak
2	1565.191	4.14	26.94	54.79	55.72	32.01	74.00	-41.99	peak
3	3386.297	6.42	32.32	54.71	55.74	39.77	68.20	-28.43	peak
4	4291.977	7.01	33.97	54.27	55.41	42.12	74.00	-31.88	peak
5	p10380.000	11.17	37.10	53.12	62.09	57.24	68.20	-10.96	peak
6	15570.000	13.83	41.10	52.14	49.97	52.76	74.00	-21.24	peak



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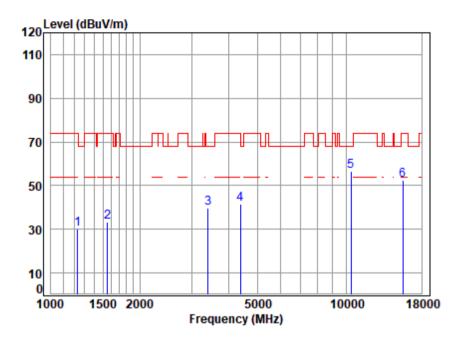


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Report No.: SZCR241100407404

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Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5190 TX RSE Note : 5G WIFI 11N40

		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	1231.345	3.72	24.84	54.69	56.28	30.15	74.00	-43.85	peak
2	1556.169	4.12	26.98	54.79	56.99	33.30	74.00	-40.70	peak
3	3405.929	6.44	32.33	54.69	55.47	39.55	68.20	-28.65	peak
4	4392.376	7.13	34.74	54.26	53.92	41.53	74.00	-32.47	peak
5	p10380.000	11.17	37.10	53.12	61.47	56.62	68.20	-11.58	peak
6	15570.000	13.83	41.10	52.14	49.66	52.45	74.00	-21.55	peak



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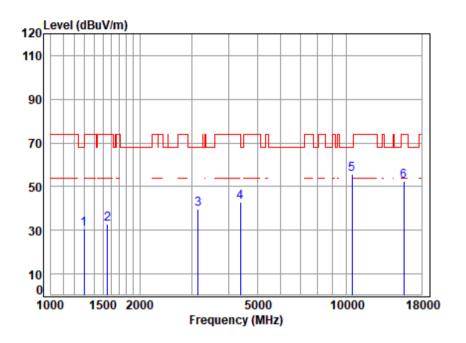


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Report No.: SZCR241100407404

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Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber

Note

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5230 TX RSE

: 5G WIFI 11N40

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1297.103	3.81	24.82	54.71	56.61	30.53	68.20	-37.67	peak
2	1551.677	4.12	26.99	54.79	56.33	32.65	74.00	-41.35	peak
3	3150.237	6.21	32.50	54.88	55.71	39.54	68.20	-28.66	peak
4	4392.376	7.13	34.74	54.26	55.33	42.94	74.00	-31.06	peak
5	p10460.000	11.30	37.22	53.11	60.16	55.57	68.20	-12.63	peak
6	15690.000	13.97	41.19	52.04	49.29	52.41	74.00	-21.59	peak



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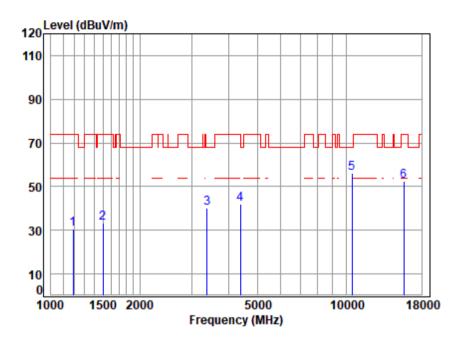


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Report No.: SZCR241100407404

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Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5230 TX RSE Note : 5G WIFI 11N40

		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	1189.368	3.67	24.29	54.68	57.23	30.51	74.00	-43.49	peak	
2	1503.119	4.04	26.81	54.78	57.26	33.33	74.00	-40.67	peak	
3	3376.523	6.42	32.26	54.71	56.03	40.00	68.20	-28.20	peak	
4	4379.699	7.11	34.64	54.26	54.31	41.80	74.00	-32.20	peak	
5	p10460.000	11.30	37.22	53.11	60.56	55.97	68.20	-12.23	peak	
6	15690.000	13.97	41.19	52.04	49.53	52.65	74.00	-21.35	peak	



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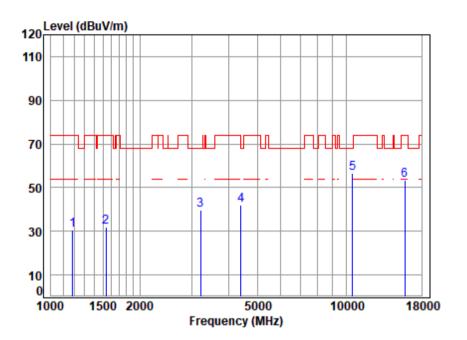


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Report No.: SZCR241100407404

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Test Mode: 10; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT

Mode : 5260 TX RSE Note : 5G WIFI 11A

~ ~ ~		****							
		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	1182.513	3.66	24.23	54.67	57.34	30.56	74.00	-43.44	peak
2	1538.281	4.10	26.95	54.79	55.77	32.03	74.00	-41.97	peak
3	3214.623	6.27	32.67	54.83	55.55	39.66	68.20	-28.54	peak
4	4405.090	7.14	34.74	54.26	54.56	42.18	68.20	-26.02	peak
5	p10520.000	11.37	37.30	53.09	60.83	56.41	68.20	-11.79	peak
6	15780.000	14.08	41.28	51.97	49.84	53.23	74.00	-20.77	peak



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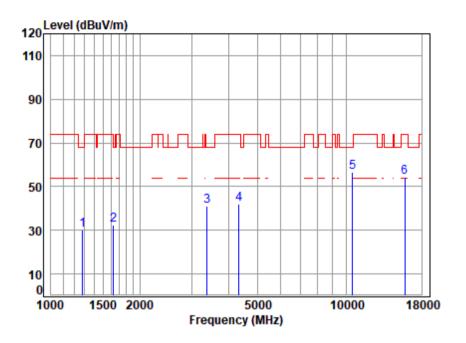


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Test Mode: 10; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5260 TX RSE Note : 5G WIFI 11A

		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	1278.492	3.78	24.93	54.71	56.06	30.06	68.20	-38.14	peak	
2	1629.825	4.23	26.50	54.81	56.31	32.23	68.20	-35.97	peak	
3	3376.523	6.42	32.26	54.71	56.92	40.89	68.20	-27.31	peak	
4	4329.354	7.05	34.23	54.26	55.03	42.05	74.00	-31.95	peak	
5	p10520.000	11.37	37.30	53.09	60.87	56.45	68.20	-11.75	peak	
6	15780.000	14.08	41.28	51.97	50.78	54.17	74.00	-19.83	peak	



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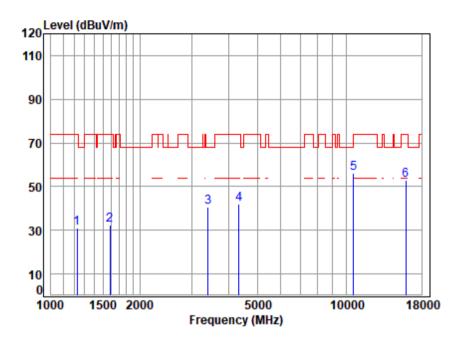


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Report No.: SZCR241100407404

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Test Mode: 10; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT

Mode : 5300 TX RSE Note : 5G WIFI 11A

~ ~ ~		****							
		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	1227.791	3.72	24.79	54.69	57.05	30.87	74.00	-43.13	peak
2	1587.975	4.17	26.85	54.80	56.25	32.47	74.00	-41.53	peak
3	3405.929	6.44	32.33	54.69	56.31	40.39	68.20	-27.81	peak
4	4341.886	7.07	34.34	54.26	55.00	42.15	74.00	-31.85	peak
5	p10600.000	11.43	37.30	53.08	60.54	56.19	68.20	-12.01	peak
6	15900.000	14.23	41.40	51.88	49.33	53.08	74.00	-20.92	peak



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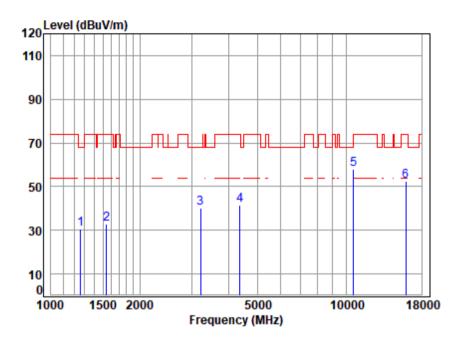


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Report No.: SZCR241100407404

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Test Mode: 10; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5300 TX RSE Note : 5G WIFI 11A

		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	1260.149	3.76	25.04	54.70	56.46	30.56	68.20	-37.64	peak	
2	1542.733	4.10	26.97	54.79	56.42	32.70	74.00	-41.30	peak	
3	3214.623	6.27	32.67	54.83	55.89	40.00	68.20	-28.20	peak	
4	4367.058	7.10	34.54	54.26	54.23	41.61	74.00	-32.39	peak	
5	p10600.000	11.43	37.30	53.08	62.13	57.78	68.20	-10.42	peak	
6	15900.000	14.23	41.40	51.88	48.71	52.46	74.00	-21.54	peak	



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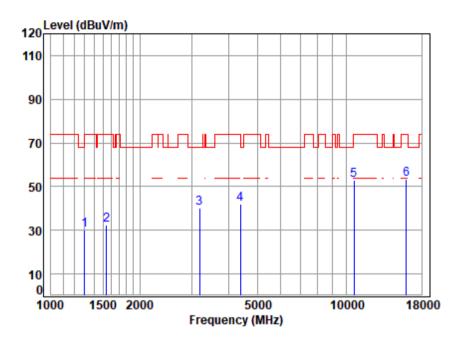


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Report No.: SZCR241100407404

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Test Mode: 10; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT

Mode : 5320 TX RSE Note : 5G WIFI 11A

occ		AATI T	114						
		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	1300.858	3.81	24.79	54.71	56.29	30.18	74.00	-43.82	peak
2	1542.733	4.10	26.97	54.79	56.16	32.44	74.00	-41.56	peak
3	3186.869	6.25	32.79	54.85	56.12	40.31	68.20	-27.89	peak
4	4379.699	7.11	34.64	54.26	54.65	42.14	74.00	-31.86	peak
5	10640.000	11.45	37.22	53.07	57.41	53.01	74.00	-20.99	peak
6	p15960.000	14.30	41.52	51.83	49.25	53.24	74.00	-20.76	peak



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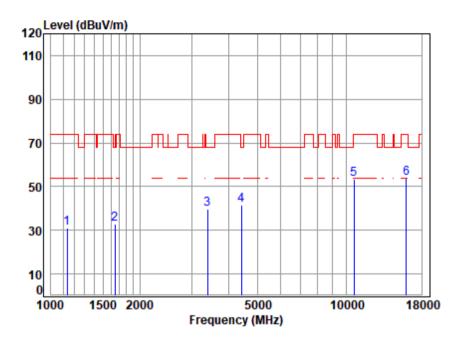


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Report No.: SZCR241100407404

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Test Mode: 10; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5320 TX RSE Note : 5G WIFI 11A

~~		****							
		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	1135.617	3.59	23.84	54.66	58.40	31.17	74.00	-42.83	peak
2	1648.778	4.25	26.31	54.82	56.94	32.68	68.20	-35.52	peak
3	3396.098	6.43	32.38	54.70	55.81	39.92	68.20	-28.28	peak
4	4417.841	7.16	34.59	54.26	54.07	41.56	68.20	-26.64	peak
5	10640.000	11.45	37.22	53.07	57.73	53.33	74.00	-20.67	peak
6	p15960.000	14.30	41.52	51.83	49.67	53.66	74.00	-20.34	peak



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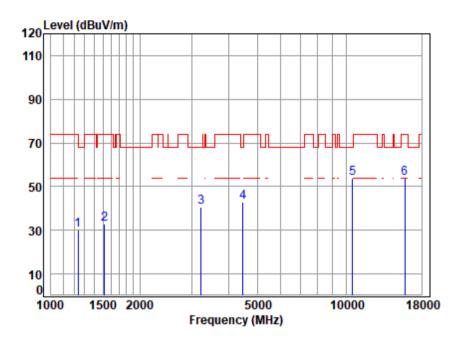


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Test Mode: 10; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5260 TX RSE

Note : 5G WIFI 11N20

		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	1234.909	3.73	24.89	54.69	56.23	30.16	74.00	-43.84	peak	
2	1520.598	4.07	26.88	54.78	56.68	32.85	74.00	-41.15	peak	
3	3223.928	6.28	32.52	54.82	56.44	40.42	68.20	-27.78	peak	
4	4469.214	7.22	33.97	54.25	55.78	42.72	68.20	-25.48	peak	
5	p10520.000	11.37	37.30	53.09	58.12	53.70	68.20	-14.50	peak	
6	15780.000	14.08	41.28	51.97	50.27	53.66	74.00	-20.34	peak	



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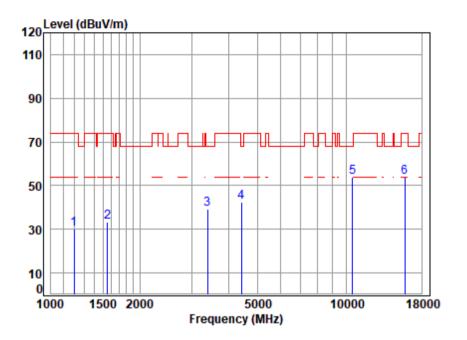


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Test Mode: 10; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5260 TX RSE Note : 5G WIFI 11N20

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1199.726	3.68	24.40	54.68	56.74	30.14	74.00	-43.86	peak
2	1556.169	4.12	26.98	54.79	56.90	33.21	74.00	-40.79	peak
3	3396.098	6.43	32.38	54.70	55.08	39.19	68.20	-29.01	peak
4	4417.841	7.16	34.59	54.26	54.80	42.29	68.20	-25.91	peak
5	p10520.000	11.37	37.30	53.09	58.22	53.80	68.20	-14.40	peak
6	15780.000	14.08	41.28	51.97	50.60	53.99	74.00	-20.01	peak



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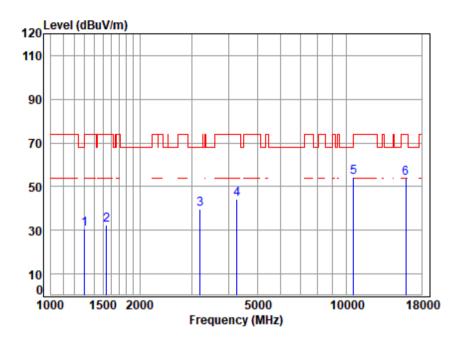


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Test Mode: 10; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5300 TX RSE

Note : 5G WIFI 11N20

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	3.81	24.79	54.71	56.55	30.44	74.00	-43.56	peak
2	1542.733	4.10	26.97	54.79	55.95	32.23	74.00	-41.77	peak
3	3205.345	6.26	32.81	54.84	55.51	39.74	68.20	-28.46	peak
4	4267.237	6.98	33.87	54.27	57.49	44.07	74.00	-29.93	peak
5	p10600.000	11.43	37.30	53.08	58.54	54.19	68.20	-14.01	peak
6	15900.000	14.23	41.40	51.88	49.93	53.68	74.00	-20.32	peak



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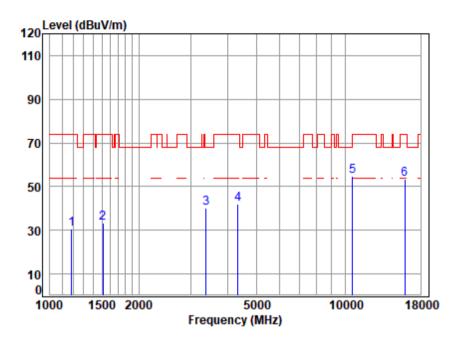


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Report No.: SZCR241100407404

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Test Mode: 10; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5300 TX RSE Note : 5G WIFI 11N20

		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	1182.513	3.66	24.23	54.67	57.51	30.73	74.00	-43.27	peak
2	1511.833	4.06	26.85	54.78	57.06	33.19	74.00	-40.81	peak
3	3376.523	6.42	32.26	54.71	56.31	40.28	68.20	-27.92	peak
4	4329.354	7.05	34.23	54.26	54.97	41.99	74.00	-32.01	peak
5	p10600.000	11.43	37.30	53.08	58.89	54.54	68.20	-13.66	peak
6	15900.000	14.23	41.40	51.88	49.79	53.54	74.00	-20.46	peak



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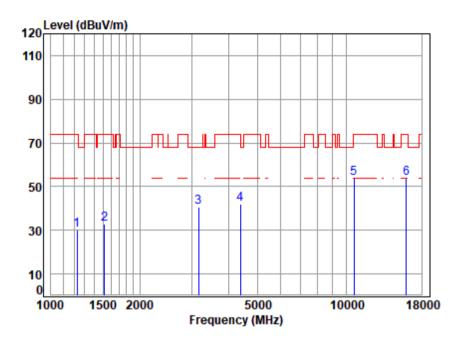


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Test Mode: 10; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber

Note

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5320 TX RSE

: 5G WIFI 11N20

	_			Preamp					
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Kemark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1227.791	3.72	24.79	54.69	56.32	30.14	74.00	-43.86	peak
2	1520.598	4.07	26.88	54.78	56.72	32.89	74.00	-41.11	peak
3	3168.500	6.23	32.65	54.87	56.39	40.40	68.20	-27.80	peak
4	4379.699	7.11	34.64	54.26	54.54	42.03	74.00	-31.97	peak
5	10640.000	11.45	37.22	53.07	58.10	53.70	74.00	-20.30	peak
6	p15960.000	14.30	41.52	51.83	49.76	53.75	74.00	-20.25	peak



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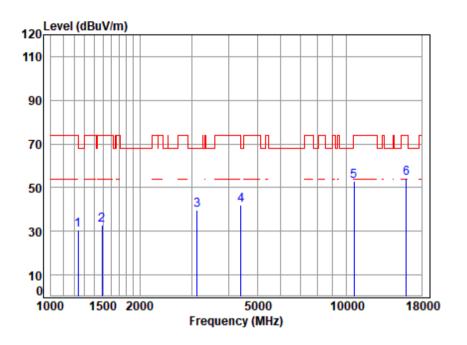


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Report No.: SZCR241100407404

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Test Mode: 10; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5320 TX RSE Note : 5G WIFI 11N20

~~		****	11.420						
		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	1238.483	3.73	24.94	54.69	56.39	30.37	74.00	-43.63	peak
2	1490.142	4.03	26.52	54.77	57.03	32.81	74.00	-41.19	peak
3	3132.079	6.20	32.18	54.90	56.37	39.85	68.20	-28.35	peak
4	4405.090	7.14	34.74	54.26	54.19	41.81	68.20	-26.39	peak
5	10640.000	11.45	37.22	53.07	57.54	53.14	74.00	-20.86	peak
6	p15960.000	14.30	41.52	51.83	50.24	54.23	74.00	-19.77	peak



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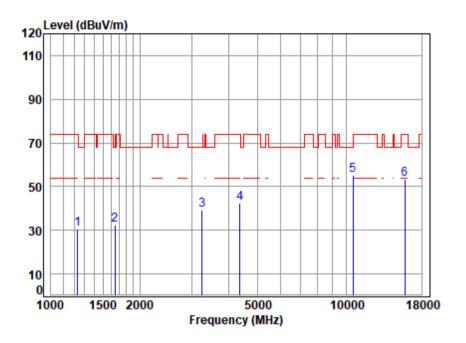


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

Page: 59 of 260

Test Mode: 10; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5270 TX RSE

Note : 5G WIFI 11N40

000		****	111110						
		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	1231.345	3.72	24.84	54.69	56.67	30.54	74.00	-43.46	peak
2	1648.778	4.25	26.31	54.82	56.81	32.55	68.20	-35.65	peak
3	3252.005	6.31	32.06	54.80	55.78	39.35	68.20	-28.85	peak
4	4367.058	7.10	34.54	54.26	55.17	42.55	74.00	-31.45	peak
5	p10540.000	11.39	37.30	53.09	59.74	55.34	68.20	-12.86	peak
6	15810.000	14.12	41.31	51.95	50.13	53.61	74.00	-20.39	peak



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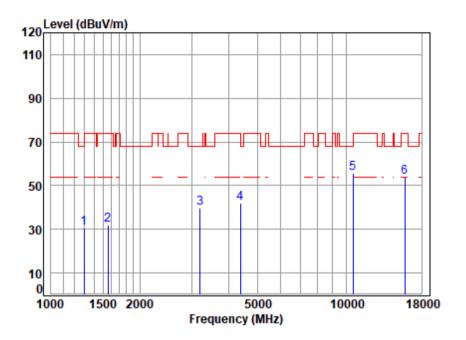


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

Page: 60 of 260

Test Mode: 10; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5270 TX RSE Note : 5G WIFI 11N40

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1293.359	3.80	24.84	54.71	56.49	30.42	68.20	-37.78	peak
2	1560.673	4.13	26.96	54.79	55.51	31.81	74.00	-42.19	peak
3	3205.345	6.26	32.81	54.84	55.60	39.83	68.20	-28.37	peak
4	4379.699	7.11	34.64	54.26	54.44	41.93	74.00	-32.07	peak
5	p10540.000	11.39	37.30	53.09	59.88	55.48	68.20	-12.72	peak
6	15810.000	14.12	41.31	51.95	50.50	53.98	74.00	-20.02	peak



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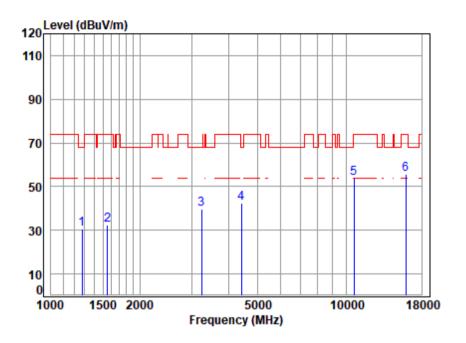


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 10; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT

Mode : 5310 TX RSE Note : 5G WIFI 11N40

		****	111110						
		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	1274.802	3.78	24.95	54.71	56.53	30.55	68.20	-37.65	peak
2	1556.169	4.12	26.98	54.79	56.03	32.34	74.00	-41.66	peak
3	3233.260	6.29	32.37	54.82	56.05	39.89	68.20	-28.31	peak
4	4417.841	7.16	34.59	54.26	55.01	42.50	68.20	-25.70	peak
5	10620.000	11.44	37.26	53.07	58.26	53.89	74.00	-20.11	peak
	p15930.000								



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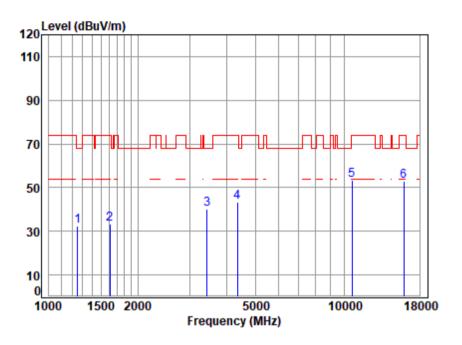


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 10; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5310 TX RSE Note : 5G WIFI 11N40

~ ~ ~		****	111110						
		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	1249.269	3.75	25.09	54.70	58.19	32.33	68.20	-35.87	peak
2	1611.091	4.20	26.69	54.81	57.35	33.43	74.00	-40.57	peak
3	3435.590	6.47	31.97	54.67	56.24	40.01	68.20	-28.19	peak
4	4354.454	7.08	34.44	54.26	56.11	43.37	74.00	-30.63	peak
5	p10620.000	11.44	37.26	53.07	57.58	53.21	74.00	-20.79	peak
6	15930.000	14.27	41.46	51.85	49.27	53.15	74.00	-20.85	peak



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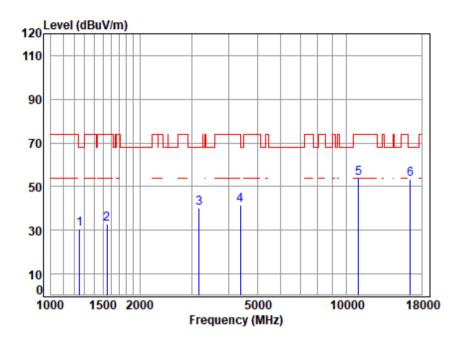


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 11; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT

Mode : 5500 TX RSE Note : 5G WIFI 11A

occ		AATI T	114						
		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	1252.885	3.75	25.08	54.70	56.39	30.52	68.20	-37.68	peak
2	1547.199	4.11	26.99	54.79	56.60	32.91	74.00	-41.09	peak
3	3177.672	6.24	32.72	54.86	55.84	39.94	68.20	-28.26	peak
4	4392.376	7.13	34.74	54.26	54.12	41.73	74.00	-32.27	peak
5	11000.000	11.68	37.50	53.00	57.71	53.89	74.00	-20.11	peak
6	p16500.000	13.99	42.10	52.36	49.43	53.16	68.20	-15.04	peak



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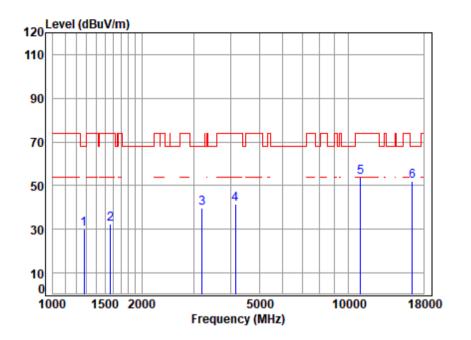


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

Page: 64 of 260

Test Mode: 11; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5500 TX RSE Note : 5G WIFI 11A

		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	1274.802	3.78	24.95	54.71	56.14	30.16	68.20	-38.04	peak
2	1569.721	4.14	26.92	54.80	56.35	32.61	74.00	-41.39	peak
3	3205.345	6.26	32.81	54.84	55.41	39.64	68.20	-28.56	peak
4	4145.664	6.83	33.73	54.28	55.34	41.62	74.00	-32.38	peak
5	11000.000	11.68	37.50	53.00	57.70	53.88	74.00	-20.12	peak
6	p16500.000	13.99	42.10	52.36	48.41	52.14	68.20	-16.06	peak



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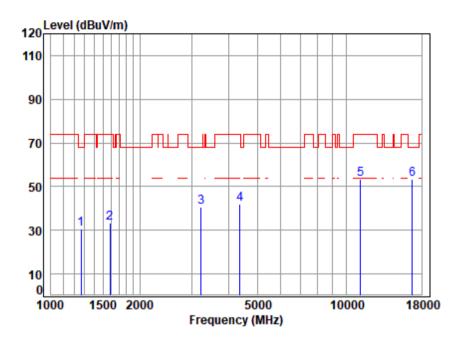


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Report No.: SZCR241100407404

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Test Mode: 11; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT

Mode : 5580 TX RSE Note : 5G WIFI 11A

~~		****							
		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	1263.796	3.77	25.02	54.70	56.32	30.41	68.20	-37.79	peak
2	1587.975	4.17	26.85	54.80	57.24	33.46	74.00	-40.54	peak
3	3223.928	6.28	32.52	54.82	56.83	40.81	68.20	-27.39	peak
4	4367.058	7.10	34.54	54.26	54.81	42.19	74.00	-31.81	peak
5	11160.000	11.77	37.62	53.03	57.13	53.49	74.00	-20.51	peak
	p16740.000								



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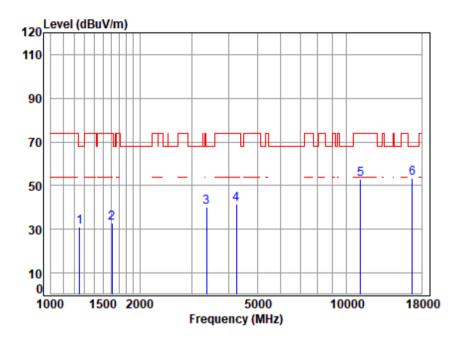


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 11; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5580 TX RSE Note : 5G WIFI 11A

		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	1252.885	3.75	25.08	54.70	56.72	30.85	68.20	-37.35	peak	
2	1611.091	4.20	26.69	54.81	56.89	32.97	74.00	-41.03	peak	
3	3366.778	6.41	32.20	54.72	56.33	40.22	68.20	-27.98	peak	
4	4242.641	6.95	33.80	54.27	55.16	41.64	74.00	-32.36	peak	
5	11160.000	11.77	37.62	53.03	56.74	53.10	74.00	-20.90	peak	
6	p16740.000	14.15	42.78	52.62	49.21	53.52	68.20	-14.68	peak	



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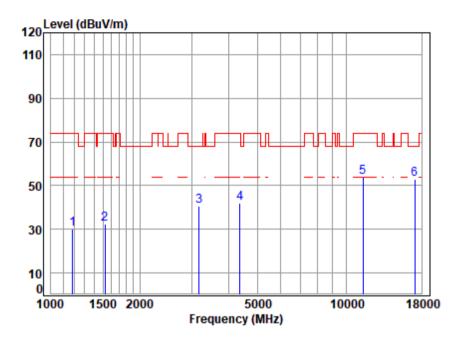


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 11; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT

Mode : 5700 TX RSE Note : 5G WIFT 11A

000		AATI T	114						
		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	1185.936	3.66	24.26	54.67	56.70	29.95	74.00	-44.05	peak
2	1525.000	4.08	26.90	54.78	55.99	32.19	74.00	-41.81	peak
3	3177.672	6.24	32.72	54.86	56.35	40.45	68.20	-27.75	peak
4	4367.058	7.10	34.54	54.26	54.61	41.99	74.00	-32.01	peak
5	11400.000	11.90	37.70	53.08	57.18	53.70	74.00	-20.30	peak
6	p17100.000	14.44	43.10	52.85	48.34	53.03	68.20	-15.17	peak



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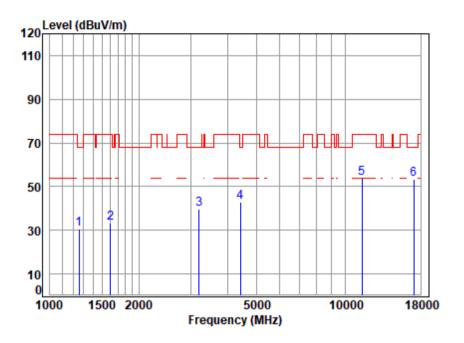


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 11; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5700 TX RSE Note : 5G WIFI 11A

~~		****							
		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	1256.512	3.76	25.06	54.70	56.49	30.61	68.20	-37.59	peak
2	1601.804	4.19	26.78	54.80	57.06	33.23	74.00	-40.77	peak
3	3205.345	6.26	32.81	54.84	55.46	39.69	68.20	-28.51	peak
4	4417.841	7.16	34.59	54.26	55.54	43.03	68.20	-25.17	peak
5	11400.000	11.90	37.70	53.08	57.21	53.73	74.00	-20.27	peak
	p17100.000								



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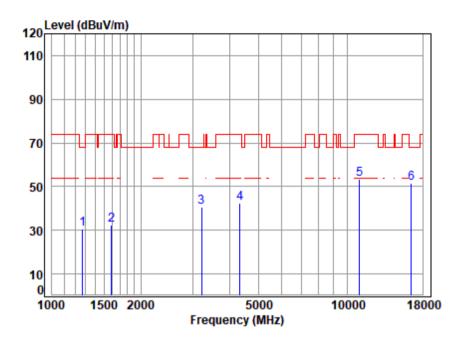


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Report No.: SZCR241100407404

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Test Mode: 11; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT

Mode : 5500 TX RSE Note : 5G WIFI 11N20

		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	1271.123	3.77	24.97	54.70	56.56	30.60	68.20	-37.60	peak	
2	1592.571	4.18	26.83	54.80	56.27	32.48	74.00	-41.52	peak	
3	3214.623	6.27	32.67	54.83	56.29	40.40	68.20	-27.80	peak	
4	4329.354	7.05	34.23	54.26	55.44	42.46	74.00	-31.54	peak	
5	11000.000	11.68	37.50	53.00	57.37	53.55	74.00	-20.45	peak	
6	p16500.000	13.99	42.10	52.36	47.67	51.40	68.20	-16.80	peak	



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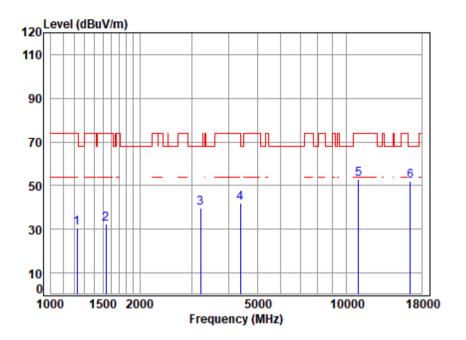


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Report No.: SZCR241100407404

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Test Mode: 11; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5500 TX RSE Note : 5G WIFI 11N20

		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	1227.791	3.72	24.79	54.69	56.83	30.65	74.00	-43.35	peak	
2	1538.281	4.10	26.95	54.79	56.31	32.57	74.00	-41.43	peak	
3	3214.623	6.27	32.67	54.83	55.56	39.67	68.20	-28.53	peak	
4	4392.376	7.13	34.74	54.26	54.24	41.85	74.00	-32.15	peak	
5	11000.000	11.68	37.50	53.00	56.82	53.00	74.00	-21.00	peak	
6	p16500.000	13.99	42.10	52.36	48.15	51.88	68.20	-16.32	peak	



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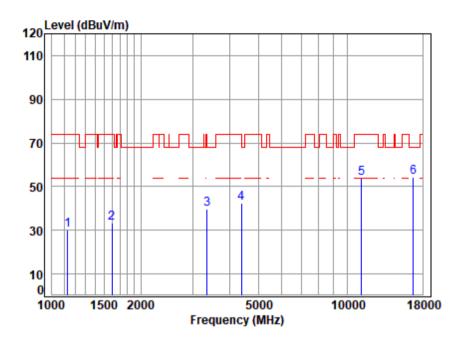


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Report No.: SZCR241100407404

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Test Mode: 11; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5580 TX RSE

Note : 5G WIFI 11N20

		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	1132.340	3.59	23.83	54.65	57.35	30.12	74.00	-43.88	peak	
2	1597.181	4.18	26.81	54.80	57.15	33.34	74.00	-40.66	peak	
3	3357.061	6.40	32.14	54.73	55.93	39.74	74.00	-34.26	peak	
4	4379.699	7.11	34.64	54.26	54.82	42.31	74.00	-31.69	peak	
5	11160.000	11.77	37.62	53.03	57.27	53.63	74.00	-20.37	peak	
6	p16740.000	14.15	42.78	52.62	49.93	54.24	68.20	-13.96	peak	



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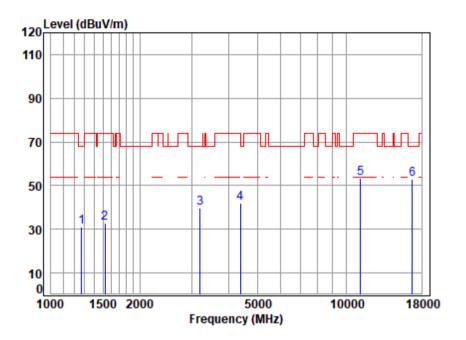


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Test Mode: 11; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5580 TX RSE Note : 5G WIFI 11N20

		****	111120							
		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	1271.123	3.77	24.97	54.70	56.90	30.94	68.20	-37.26	peak	
2	1525.000	4.08	26.90	54.78	56.52	32.72	74.00	-41.28	peak	
3	3196.094	6.25	32.87	54.85	55.63	39.90	68.20	-28.30	peak	
4	4379.699	7.11	34.64	54.26	54.38	41.87	74.00	-32.13	peak	
5	11160.000	11.77	37.62	53.03	57.07	53.43	74.00	-20.57	peak	
	p16740.000									



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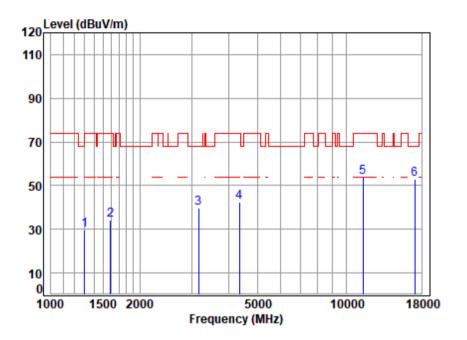


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Report No.: SZCR241100407404

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Test Mode: 11; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5700 TX RSE

Note : 5G WIFI 11N20

000		****	111120						
		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	1300.858	3.81	24.79	54.71	55.89	29.78	74.00	-44.22	peak
2	1592.571	4.18	26.83	54.80	57.80	34.01	74.00	-39.99	peak
3	3168.500	6.23	32.65	54.87	55.72	39.73	68.20	-28.47	peak
4	4354.454	7.08	34.44	54.26	54.95	42.21	74.00	-31.79	peak
5	11400.000	11.90	37.70	53.08	57.12	53.64	74.00	-20.36	peak
6	p17100.000	14.44	43.10	52.85	48.06	52.75	68.20	-15.45	peak



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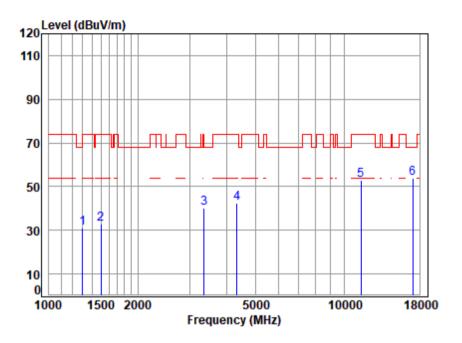


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 11; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5700 TX RSE Note : 5G WIFI 11N20

		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	1300.858	3.81	24.79	54.71	57.30	31.19	74.00	-42.81	peak
2	1498.781	4.04	26.77	54.78	56.97	33.00	74.00	-41.00	peak
3	3357.061	6.40	32.14	54.73	56.19	40.00	74.00	-34.00	peak
4	4329.354	7.05	34.23	54.26	55.45	42.47	74.00	-31.53	peak
5	11400.000	11.90	37.70	53.08	56.58	53.10	74.00	-20.90	peak
6	p17100.000	14.44	43.10	52.85	49.02	53.71	68.20	-14.49	peak



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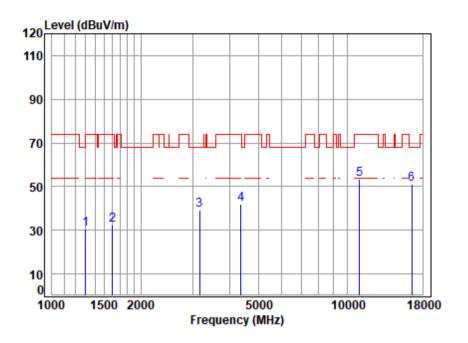


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Report No.: SZCR241100407404

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Test Mode: 11; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5510 TX RSE

Note : 5G WIFI 11N40

		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	1300.858	3.81	24.79	54.71	56.84	30.73	74.00	-43.27	peak
2	1601.804	4.19	26.78	54.80	56.31	32.48	74.00	-41.52	peak
3	3168.500	6.23	32.65	54.87	55.19	39.20	68.20	-29.00	peak
4	4367.058	7.10	34.54	54.26	54.47	41.85	74.00	-32.15	peak
5	11020.000	11.69	37.50	53.00	57.36	53.55	74.00	-20.45	peak
6	p16530.000	14.01	42.16	52.39	47.32	51.10	68.20	-17.10	peak



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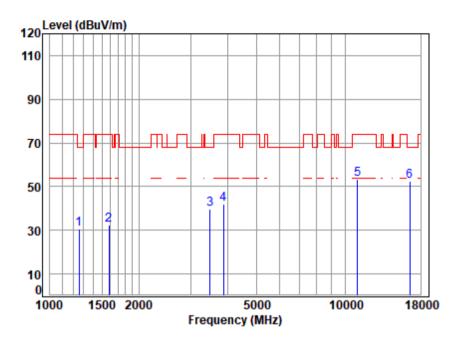


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Test Mode: 11; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5510 TX RSE Note : 5G WIFI 11N40

		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	1256.512	3.76	25.06	54.70	56.39	30.51	68.20	-37.69	peak
2	1587.975	4.17	26.85	54.80	56.17	32.39	74.00	-41.61	peak
3	3485.601	6.51	31.66	54.63	56.14	39.68	68.20	-28.52	peak
4	3879.027	6.62	33.51	54.37	56.03	41.79	74.00	-32.21	peak
5	11020.000	11.69	37.50	53.00	57.31	53.50	74.00	-20.50	peak
6	p16530.000	14.01	42.16	52.39	48.84	52.62	68.20	-15.58	peak



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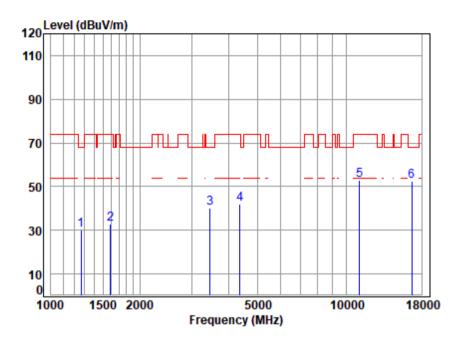


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Test Mode: 11; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:middle



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5550 TX RSE

Note : 5G WIFI 11N40

	****	111140						
	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	
1267.454	3.77	25.00	54.70	56.26	30.33	68.20	-37.87	peak
1592.571	4.18	26.83	54.80	56.74	32.95	74.00	-41.05	peak
3465.510	6.49	31.74	54.65	56.67	40.25	68.20	-27.95	peak
4367.058	7.10	34.54	54.26	54.71	42.09	74.00	-31.91	peak
11100.000	11.73	37.50	53.02	56.81	53.02	74.00	-20.98	peak
p16650.000	14.09	42.50	52.52	48.55	52.62	68.20	-15.58	peak
	MHz 1267.454 1592.571 3465.510 4367.058 11100.000	Freq Loss MHz dB 1267.454 3.77 1592.571 4.18 3465.510 6.49 4367.058 7.10 11100.000 11.73	Freq Loss Factor MHz dB dB/m 1267.454 3.77 25.00 1592.571 4.18 26.83 3465.510 6.49 31.74 4367.058 7.10 34.54 11100.000 11.73 37.50	Freq Loss Factor Factor MHz dB dB/m dB 1267.454 3.77 25.00 54.70 1592.571 4.18 26.83 54.80 3465.510 6.49 31.74 54.65 4367.058 7.10 34.54 54.26 11100.000 11.73 37.50 53.02	Freq Loss Factor Factor Level MHz dB dB/m dB dBuV 1267.454 3.77 25.00 54.70 56.26 1592.571 4.18 26.83 54.80 56.74 3465.510 6.49 31.74 54.65 56.67 4367.058 7.10 34.54 54.26 54.71 11100.000 11.73 37.50 53.02 56.81	Freq Loss Factor Factor Level Level MHz dB dB/m dB dBuV dBuV/m 1267.454 3.77 25.00 54.70 56.26 30.33 1592.571 4.18 26.83 54.80 56.74 32.95 3465.510 6.49 31.74 54.65 56.67 40.25 4367.058 7.10 34.54 54.26 54.71 42.09 11100.000 11.73 37.50 53.02 56.81 53.02	Freq Loss Factor Factor Level Level Level Line MHz dB dB/m dB dBuV dBuV/m dBuV/m dBuV/m 1267.454 3.77 25.00 54.70 56.26 30.33 68.20 1592.571 4.18 26.83 54.80 56.74 32.95 74.00 3465.510 6.49 31.74 54.65 56.67 40.25 68.20 4367.058 7.10 34.54 54.26 54.71 42.09 74.00 11100.000 11.73 37.50 53.02 56.81 53.02 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 1267.454 3.77 25.00 54.70 56.26 30.33 68.20 -37.87 1592.571 4.18 26.83 54.80 56.74 32.95 74.00 -41.05 3465.510 6.49 31.74 54.65 56.67 40.25 68.20 -27.95 4367.058 7.10 34.54 54.26 54.71 42.09 74.00 -31.91 11100.000 11.73 37.50 53.02 56.81 53.02 74.00 -20.98 p16650.000 14.09 42.50 52.52 48.55 52.62 68.20 -15.58



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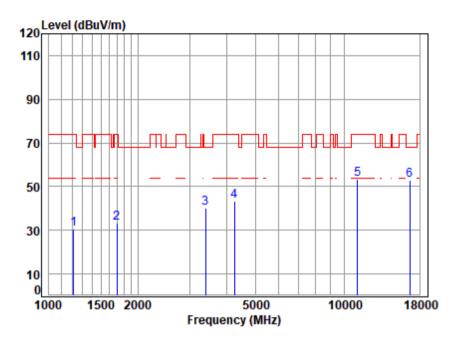


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 11; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:middle



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5550 TX RSE Note : 5G WIFI 11N40

~~		****	111110						
		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	1210.174	3.70	24.54	54.68	56.80	30.36	74.00	-43.64	peak
2	1702.042	4.33	26.22	54.83	57.50	33.22	74.00	-40.78	peak
3	3396.098	6.43	32.38	54.70	55.86	39.97	68.20	-28.23	peak
4	4254.921	6.96	33.82	54.27	56.64	43.15	74.00	-30.85	peak
5	11100.000	11.73	37.50	53.02	57.08	53.29	74.00	-20.71	peak
6	p16650.000	14.09	42.50	52.52	48.91	52.98	68.20	-15.22	peak



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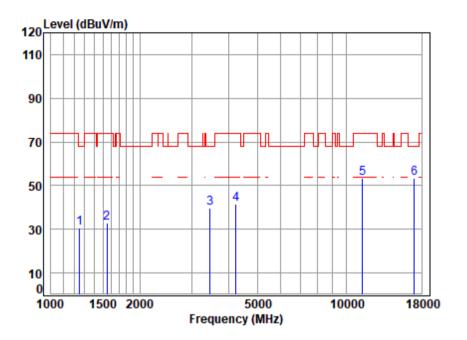


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 11; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber

Note

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5670 TX RSE

: 5G WIFI 11N40

		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	1249.269	3.75	25.09	54.70	56.27	30.41	68.20	-37.79	peak
2	1547.199	4.11	26.99	54.79	56.77	33.08	74.00	-40.92	peak
3	3455.508	6.48	31.78	54.66	56.26	39.86	68.20	-28.34	peak
4	4230.396	6.94	33.80	54.27	55.12	41.59	74.00	-32.41	peak
5	11340.000	11.86	37.76	53.07	56.70	53.25	74.00	-20.75	peak
6	p17010.000	14.33	43.10	52.89	48.98	53.52	68.20	-14.68	neak



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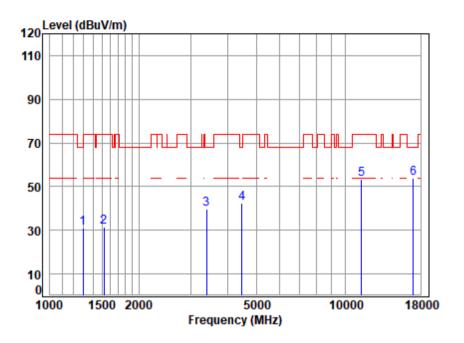


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 11; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5670 TX RSE Note : 5G WIFI 11N40

		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	1297.103	3.81	24.82	54.71	57.25	31.17	68.20	-37.03	peak	
2	1525.000	4.08	26.90	54.78	55.44	31.64	74.00	-42.36	peak	
3	3396.098	6.43	32.38	54.70	55.81	39.92	68.20	-28.28	peak	
4	4469.214	7.22	33.97	54.25	55.60	42.54	68.20	-25.66	peak	
5	11340.000	11.86	37.76	53.07	57.02	53.57	74.00	-20.43	peak	
6	p17010.000	14.33	43.10	52.89	49.38	53.92	68.20	-14.28	peak	



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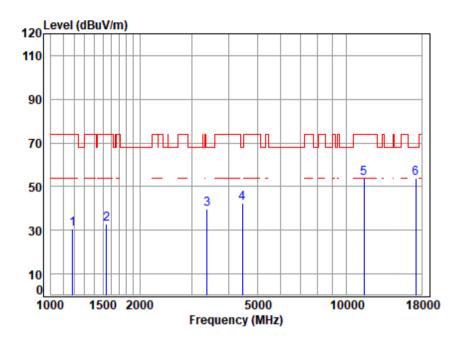


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 12; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT

Mode : 5745 TX RSE Note : 5G WIFI 11A

~ ~ ~		****							
		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	1182.513	3.66	24.23	54.67	57.46	30.68	74.00	-43.32	peak
2	1542.733	4.10	26.97	54.79	56.51	32.79	74.00	-41.21	peak
3	3386.297	6.42	32.32	54.71	55.86	39.89	68.20	-28.31	peak
4	4456.315	7.20	34.12	54.25	55.39	42.46	68.20	-25.74	peak
5	11490.000	11.94	37.79	53.10	57.10	53.73	74.00	-20.27	peak
6	p17235.000	14.59	43.03	52.78	49.02	53.86	68.20	-14.34	peak



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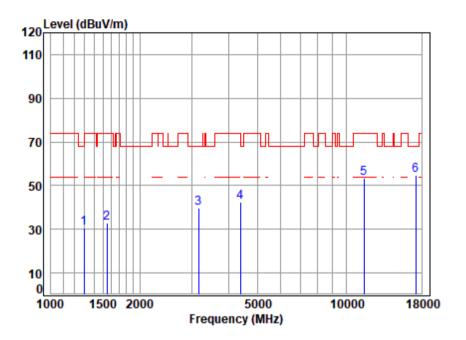


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 12; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5745 TX RSE Note : 5G WIFI 11A

	****	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	
1297.103	3.81	24.82	54.71	56.52	30.44	68.20	-37.76	peak
1547.199	4.11	26.99	54.79	56.70	33.01	74.00	-40.99	peak
3168.500	6.23	32.65	54.87	55.77	39.78	68.20	-28.42	peak
4379.699	7.11	34.64	54.26	55.10	42.59	74.00	-31.41	peak
11490.000	11.94	37.79	53.10	56.57	53.20	74.00	-20.80	peak
p17235.000	14.59	43.03	52.78	50.08	54.92	68.20	-13.28	peak
	MHz 1297.103 1547.199 3168.500 4379.699 11490.000	Freq Loss MHz dB 1297.103 3.81 1547.199 4.11 3168.500 6.23 4379.699 7.11 11490.000 11.94	Freq Loss Factor MHz dB dB/m 1297.103 3.81 24.82 1547.199 4.11 26.99 3168.500 6.23 32.65 4379.699 7.11 34.64 11490.000 11.94 37.79	Freq Loss Factor Factor MHz dB dB/m dB 1297.103 3.81 24.82 54.71 1547.199 4.11 26.99 54.79 3168.500 6.23 32.65 54.87 4379.699 7.11 34.64 54.26 11490.000 11.94 37.79 53.10	Freq Loss Factor Factor Level MHz dB dB/m dB dBuV 1297.103 3.81 24.82 54.71 56.52 1547.199 4.11 26.99 54.79 56.70 3168.500 6.23 32.65 54.87 55.77 4379.699 7.11 34.64 54.26 55.10 11490.000 11.94 37.79 53.10 56.57	Freq Loss Factor Factor Level Level MHz dB dB/m dB dBuV dBuV/m 1297.103 3.81 24.82 54.71 56.52 30.44 1547.199 4.11 26.99 54.79 56.70 33.01 3168.500 6.23 32.65 54.87 55.77 39.78 4379.699 7.11 34.64 54.26 55.10 42.59 11490.000 11.94 37.79 53.10 56.57 53.20	Freq Loss Factor Factor Level Level Level Line MHz dB dB/m dB dBuV dBuV/m dBuV/m dBuV/m 1297.103 3.81 24.82 54.71 56.52 30.44 68.20 1547.199 4.11 26.99 54.79 56.70 33.01 74.00 3168.500 6.23 32.65 54.87 55.77 39.78 68.20 4379.699 7.11 34.64 54.26 55.10 42.59 74.00 11490.000 11.94 37.79 53.10 56.57 53.20 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 1297.103 3.81 24.82 54.71 56.52 30.44 68.20 -37.76 1547.199 4.11 26.99 54.79 56.70 33.01 74.00 -40.99 3168.500 6.23 32.65 54.87 55.77 39.78 68.20 -28.42 4379.699 7.11 34.64 54.26 55.10 42.59 74.00 -31.41 11490.000 11.94 37.79 53.10 56.57 53.20 74.00 -20.80 p17235.000 14.59 43.03 52.78 50.08 54.92 68.20 -13.28



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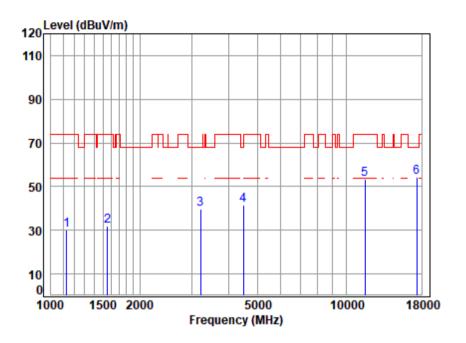


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 12; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT

Mode : 5785 TX RSE Note : 5G WIFI 11A

		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	1132.340	3.59	23.83	54.65	57.44	30.21	74.00	-43.79	peak
2	1556.169	4.12	26.98	54.79	55.64	31.95	74.00	-42.05	peak
3	3214.623	6.27	32.67	54.83	55.47	39.58	68.20	-28.62	peak
4	4482.150	7.23	33.81	54.25	54.90	41.69	68.20	-26.51	peak
5	11570.000	11.95	37.73	53.12	57.01	53.57	74.00	-20.43	peak
6	p17355.000	14.73	43.26	52.72	49.00	54.27	68.20	-13.93	peak



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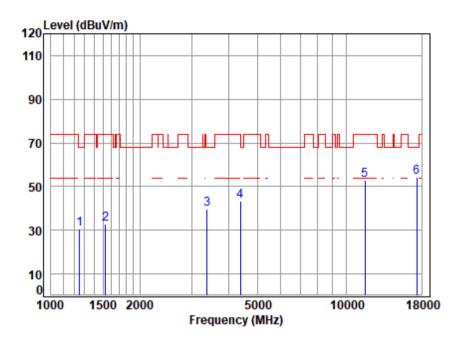


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Report No.: SZCR241100407404

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Test Mode: 12; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5785 TX RSE Note : 5G WIFI 11A

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1249.269	3.75	25.09	54.70	56.30	30.44	68.20	-37.76	peak
2	1529.414	4.08	26.92	54.78	56.54	32.76	74.00	-41.24	peak
3	3386.297	6.42	32.32	54.71	55.73	39.76	68.20	-28.44	peak
4	4392.376	7.13	34.74	54.26	55.59	43.20	74.00	-30.80	peak
5	11570.000	11.95	37.73	53.12	56.45	53.01	74.00	-20.99	peak
6	p17355.000	14.73	43.26	52.72	48.83	54.10	68.20	-14.10	peak



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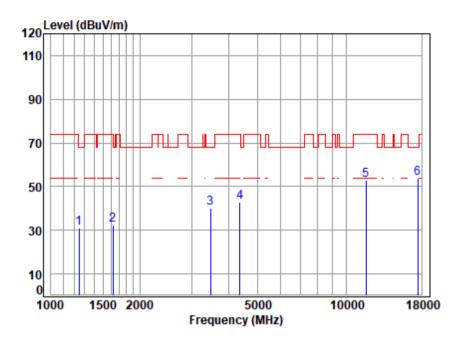


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 12; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT

Mode : 5825 TX RSE Note : 5G WIFI 11A

		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	1245.663	3.74	25.04	54.70	57.06	31.14	68.20	-37.06	peak	
2	1620.431	4.21	26.60	54.81	56.27	32.27	74.00	-41.73	peak	
3	3475.541	6.50	31.70	54.64	56.71	40.27	68.20	-27.93	peak	
4	4367.058	7.10	34.54	54.26	55.45	42.83	74.00	-31.17	peak	
5	11650.000	11.95	37.80	53.13	56.40	53.02	74.00	-20.98	peak	
6	p17475.000	14.86	43.40	52.66	48.46	54.06	68.20	-14.14	peak	



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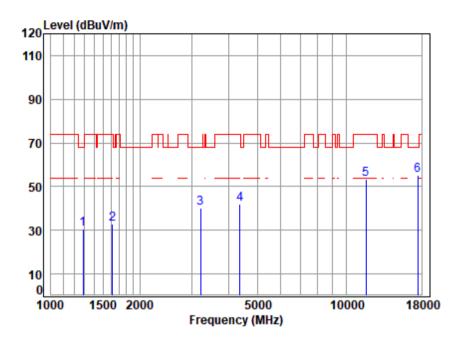


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Report No.: SZCR241100407404

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Test Mode: 12; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5825 TX RSE Note : 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	d Bu V/m	dBuV/m	dB	
1	1285.904	3.79	24.88	54.71	56.52	30.48	68.20	-37.72	peak
2	1615.754	4.21	26.64	54.81	56.72	32.76	74.00	-41.24	peak
3	3214.623	6.27	32.67	54.83	56.22	40.33	68.20	-27.87	peak
4	4367.058	7.10	34.54	54.26	54.75	42.13	74.00	-31.87	peak
5	11650.000	11.95	37.80	53.13	56.97	53.59	74.00	-20.41	peak
6	p17475.000	14.86	43.40	52.66	49.56	55.16	68.20	-13.04	peak



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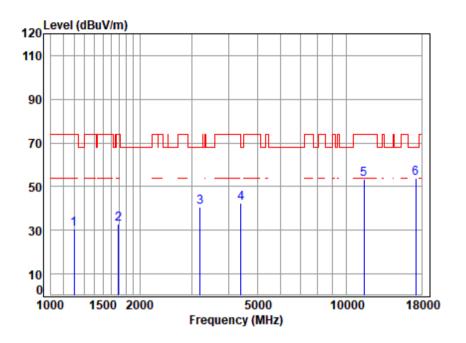


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 12; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5745 TX RSE

Note : 5G WIFI 11N20

~ ~ ~		****	111120						
		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	1196.264	3.68	24.36	54.68	57.35	30.71	74.00	-43.29	peak
2	1692.231	4.31	26.22	54.83	56.94	32.64	74.00	-41.36	peak
3	3205.345	6.26	32.81	54.84	56.47	40.70	68.20	-27.50	peak
4	4405.090	7.14	34.74	54.26	54.66	42.28	68.20	-25.92	peak
5	11490.000	11.94	37.79	53.10	56.66	53.29	74.00	-20.71	peak
6	p17235.000	14.59	43.03	52.78	49.09	53.93	68.20	-14.27	peak



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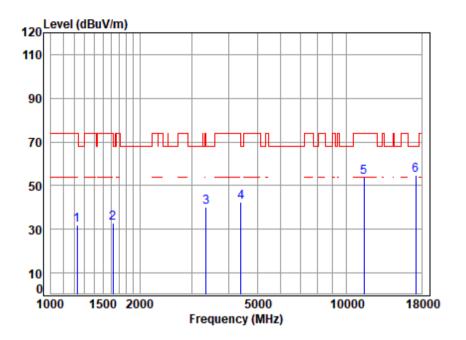


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Report No.: SZCR241100407404

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Test Mode: 12; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5745 TX RSE Note : 5G WIFI 11N20

		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	1227.791	3.72	24.79	54.69	57.92	31.74	74.00	-42.26	peak
2	1620.431	4.21	26.60	54.81	56.82	32.82	74.00	-41.18	peak
3	3357.061	6.40	32.14	54.73	56.12	39.93	74.00	-34.07	peak
4	4405.090	7.14	34.74	54.26	55.04	42.66	68.20	-25.54	peak
5	11490.000	11.94	37.79	53.10	57.08	53.71	74.00	-20.29	peak
6	p17235.000	14.59	43.03	52.78	49.72	54.56	68.20	-13.64	peak



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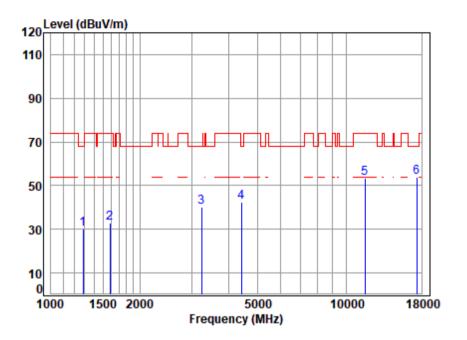


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 12; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5785 TX RSE

Note : 5G WIFI 11N20

		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	1285.904	3.79	24.88	54.71	55.98	29.94	68.20	-38.26	peak
2	1587.975	4.17	26.85	54.80	56.81	33.03	74.00	-40.97	peak
3	3233.260	6.29	32.37	54.82	56.47	40.31	68.20	-27.89	peak
4	4417.841	7.16	34.59	54.26	55.02	42.51	68.20	-25.69	peak
5	11570.000	11.95	37.73	53.12	56.86	53.42	74.00	-20.58	peak
6	p17355.000	14.73	43.26	52.72	48.39	53.66	68.20	-14.54	peak



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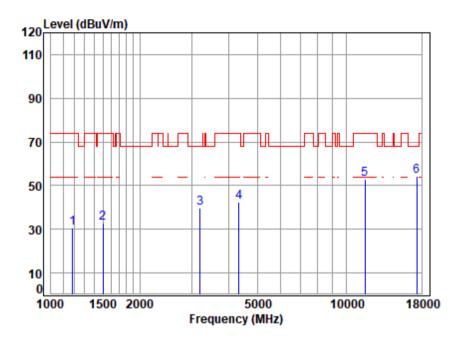


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 12; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5785 TX RSE Note : 5G WIFI 11N20

		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	1182.513	3.66	24.23	54.67	57.48	30.70	74.00	-43.30	peak	
2	1503.119	4.04	26.81	54.78	56.94	33.01	74.00	-40.99	peak	
3	3205.345	6.26	32.81	54.84	55.68	39.91	68.20	-28.29	peak	
4	4329.354	7.05	34.23	54.26	55.29	42.31	74.00	-31.69	peak	
5	11570.000	11.95	37.73	53.12	56.56	53.12	74.00	-20.88	peak	
6	p17355.000	14.73	43.26	52.72	48.90	54.17	68.20	-14.03	peak	



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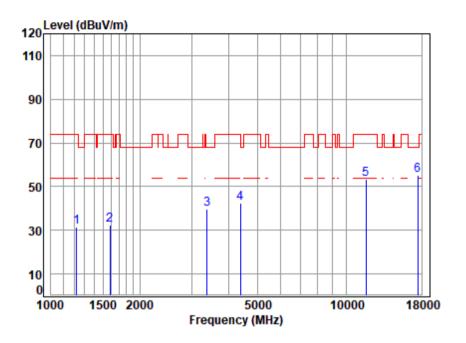


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Report No.: SZCR241100407404

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Test Mode: 12; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5825 TX RSE

Note : 5G WIFI 11N20

~ ~ ~		****	111120						
		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	1224.247	3.71	24.74	54.69	57.90	31.66	74.00	-42.34	peak
2	1583.392	4.16	26.87	54.80	56.25	32.48	74.00	-41.52	peak
3	3386.297	6.42	32.32	54.71	55.85	39.88	68.20	-28.32	peak
4	4392.376	7.13	34.74	54.26	54.91	42.52	74.00	-31.48	peak
5	11650.000	11.95	37.80	53.13	56.70	53.32	74.00	-20.68	peak
6	p17475.000	14.86	43.40	52.66	49.62	55.22	68.20	-12.98	peak



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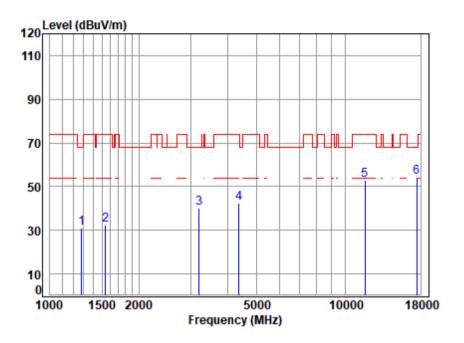


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 12; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5825 TX RSE Note : 5G WIFI 11N20

		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	1282.193	3.79	24.91	54.71	56.98	30.97	68.20	-37.23	peak
2	1542.733	4.10	26.97	54.79	56.10	32.38	74.00	-41.62	peak
3	3205.345	6.26	32.81	54.84	56.08	40.31	68.20	-27.89	peak
4	4367.058	7.10	34.54	54.26	54.95	42.33	74.00	-31.67	peak
5	11650.000	11.95	37.80	53.13	56.42	53.04	74.00	-20.96	peak
	p17475.000								•



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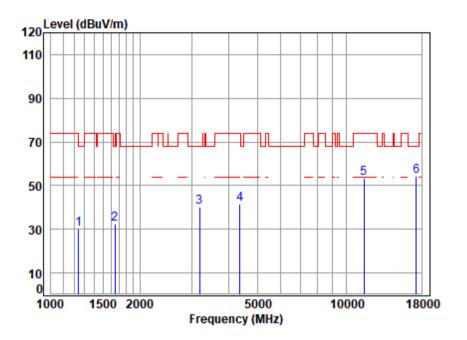


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 12; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber

Note

1

2 3

4

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5755 TX RSE

: 5G WIFI 11N40

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Limit Remark Freq Level Level Line dBuV dBuV/m dBuV/m MHz dB dB/m 1242.068 3.74 56.13 30.17 68.20 -38.03 peak 24.99 54.69 1648.778 4.25 26.31 54.82 56.58 32.32 68.20 -35.88 peak 3186.869 6.25 32.79 54.85 55.83 40.02 68.20 -28.18 peak 4367.058 7.10 34.54 54.26 54.11 41.49 74.00 -32.51 peak 11510.000 11.95 37.79 53.10 56.76 53.40 74.00 -20.60 peak

14.62 43.06 52.76 49.28 54.20 68.20 -14.00 peak



6 p17265.000

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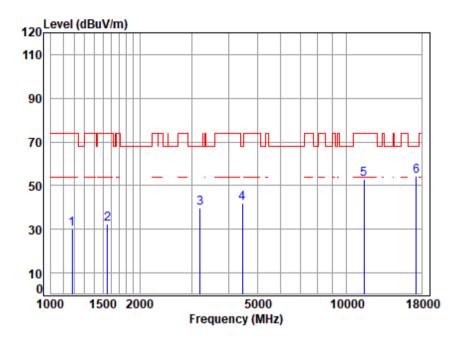


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 12; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5755 TX RSE Note : 5G WIFI 11N40

		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	1179.100	3.65	24.19	54.67	56.81	29.98	74.00	-44.02	peak	
2	1556.169	4.12	26.98	54.79	55.99	32.30	74.00	-41.70	peak	
3	3205.345	6.26	32.81	54.84	55.42	39.65	68.20	-28.55	peak	
4	4456.315	7.20	34.12	54.25	54.78	41.85	68.20	-26.35	peak	
5	11510.000	11.95	37.79	53.10	56.50	53.14	74.00	-20.86	peak	
6	p17265.000	14.62	43.06	52.76	49.40	54.32	68.20	-13.88	peak	



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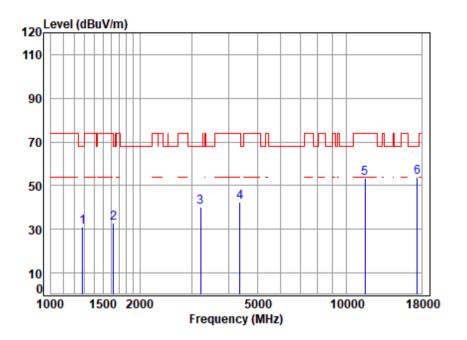


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Test Mode: 12; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber

Note

1

2

3

4

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5795 TX RSE

: 5G WIFI 11N40

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Limit Remark Freq Level Level Line dBuV dBuV/m dBuV/m MHz dB dB/m 1278.492 3.78 24.93 54.71 56.93 30.93 68.20 -37.27 peak 1629.825 4.23 26.50 54.81 57.04 32.96 68.20 -35.24 peak 56.08 40.19 68.20 -28.01 peak 3214.623 6.27 32.67 54.83 4367.058 7.10 34.54 54.26 54.84 42.22 74.00 -31.78 peak 11590.000 11.95 37.71 53.12 56.83 53.37 74.00 -20.63 peak

14.76 43.35 52.70 48.51 53.92 68.20 -14.28 peak



6 p17385.000

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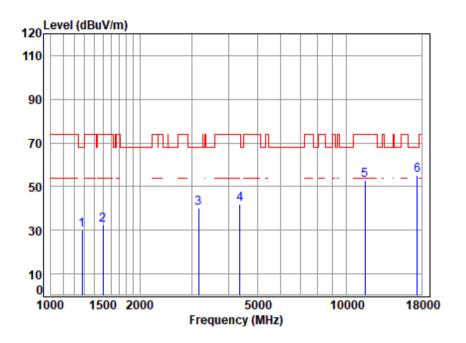


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

Page: 96 of 260

Test Mode: 12; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT

Mode : 5795 TX RSE Note : 5G WIFI 11N40

		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	1274.802	3.78	24.95	54.71	56.06	30.08	68.20	-38.12	peak
2	1503.119	4.04	26.81	54.78	56.48	32.55	74.00	-41.45	peak
3	3168.500	6.23	32.65	54.87	56.07	40.08	68.20	-28.12	peak
4	4367.058	7.10	34.54	54.26	54.75	42.13	74.00	-31.87	peak
5	11590.000	11.95	37.71	53.12	56.46	53.00	74.00	-21.00	peak
6	p17385.000	14.76	43.35	52.70	49.90	55.31	68.20	-12.89	peak



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7.5 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)

Test Method: KDB 789033 D02 II G

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							

- *(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (4) For transmitters operating in the 5.725-5.85 GHz band:
- (i) All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge. and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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.



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7.5.1 E.U.T. Operation

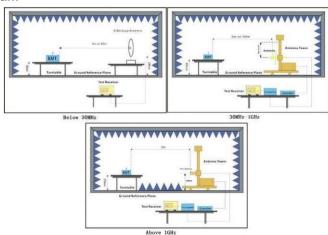
Operating Environment:

Temperature: 22.1 °C Humidity: 36.9 % RH Atmospheric Pressure: 1020 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1)_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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.
Final test	10	TX mode (U-NII-2A) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.
Final test	11	TX mode (U-NII-2C) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11nn 20/40, Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-3) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.

7.5.3 Test Setup Diagram





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7.5.4 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.The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.

Remark 3. For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is ≥1/T (Duty cycle<98%) or 10Hz (Duty cycle ≥ 98%) for Average detection (AV) at frequency above 1GHz.



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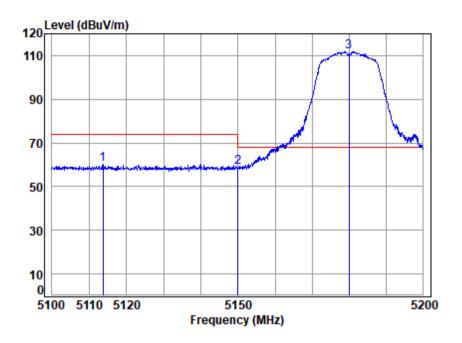


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Test Mode: 09; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5180 Band edge

5G WTET 11A

	. 30	MTLT	IIA						
		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	5113.685	18.78	33.97	31.26	38.69	60.18	74.00	-13.82	peak
2	5149.980	18.83	33.90	31.28	37.63	59.08	74.00	-14.92	peak
3 1	5180.000	18.88	33.96	31.30	90.16	111.70	68.20	43.50	neak



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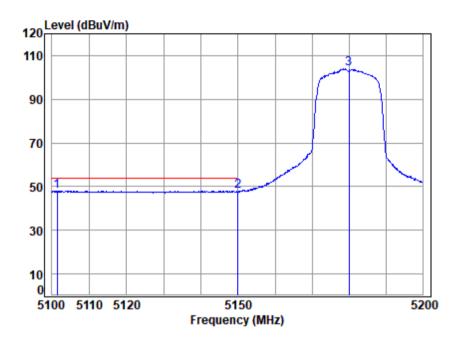


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Test Mode: 09; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5180 Band edge

: 5G WIFI 11A

		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		
	F404 307	40.77	74.00	24.26	26 57	40.00	F4 00	F 02		
q	5101.387	18.//	34.00	31.26	26.57	48.08	54.00	-5.92	Average	
	5149.980	18.83	33.90	31.28	26.39	47.84	54.00	-6.16	Average	
	5180.000	18.88	33.96	31.30	82.33	103.87			Average	



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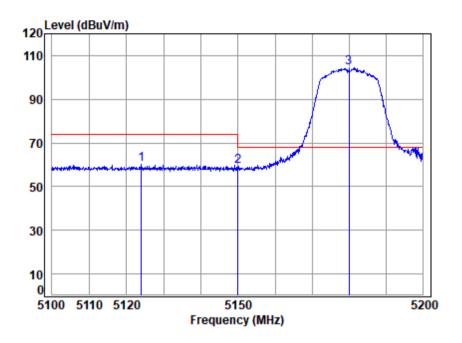


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Test Mode: 09; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT Mode : 5180 Band edge

· 5G WIFT 11A

. 50	MILI	TIM							
	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		_
		•			•	•			
5124.022	18.80	33.95	31.27	38.63	60.11	74.00	-13.89	Peak	
5149.980									
5180 000									



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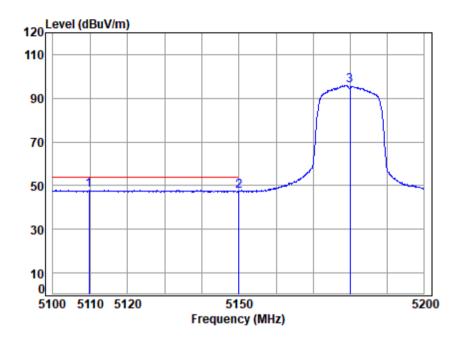


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Test Mode: 09; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT Mode : 5180 Band edge

: 5G WIFI 11A

	Freq			Preamp Factor					Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		_
q	5109.714	18.78	33.98	31.26	26.44	47.94	54.00	-6.06	Average	
	5149.980	18.83	33.90	31.28	26.13	47.58	54.00	-6.42	Average	
	5180.000	18.88	33.96	31.30	74.33	95.87			Average	



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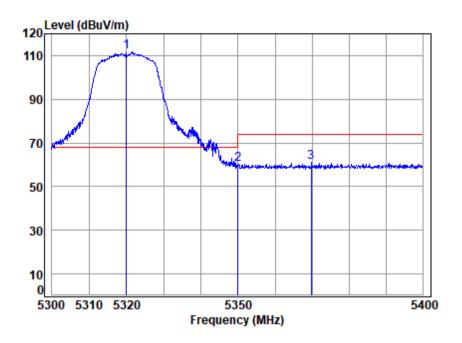


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Test Mode: 10; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5320 Band edge

: 5G WIFI 11A

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	5320.000	19.07	34.28	31.37	89.85	111.83	68.20	43.63	peak
2	5350.020	19.11	34.40	31.39	37.90	60.02	74.00	-13.98	peak
3	5369.804	19.14	34.48	31.40	39.05	61.27	74.00	-12.73	peak



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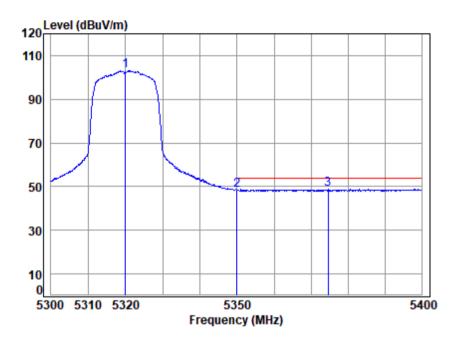


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Test Mode: 10; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5320 Band edge

: 5G WIFI 11A

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	19.07	34.28	31.37	81.07	103.05			Average
2	5350.020	19.11	34.40	31.39	26.42	48.54	54.00	-5.46	Average
3	q 5374.624	19.14	34.50	31.40	26.60	48.84	54.00	-5.16	Average



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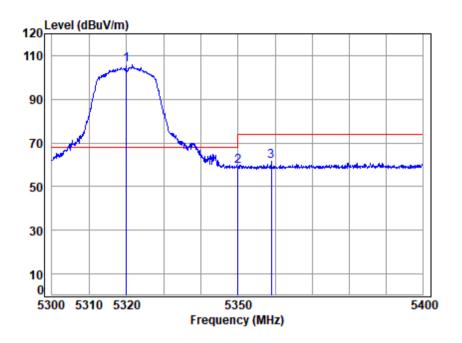


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Test Mode: 10; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT Mode : 5320 Band edge

· 5G WIFT 11A

	. 50	MILIT	IIM						
		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	p 5320.000	19.07	34.28	31.37	83.71	105.69	68.20	37.49	Peak
2	5350.020	19.11	34.40	31.39	37.20	59.32	74.00	-14.68	Peak
٦	5358 974	19 12	3/ //	31 39	39 37	61 54	74 00	-12 46	Peak



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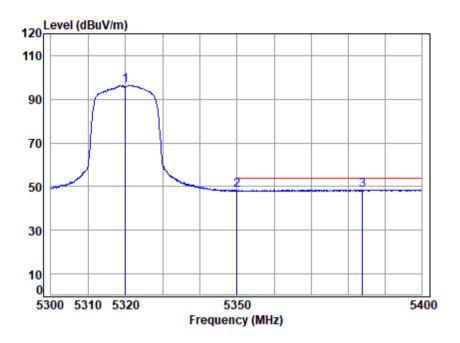


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

Page: 107 of 260

Test Mode: 10; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT Mode : 5320 Band edge

: 5G WIFI 11A

	. 50	AATIT	114							
		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	5320.000	19.07	34.28	31.37	74.50	96.48			Average	
2	5350.020	19.11	34.40	31.39	26.14	48.26	54.00	-5.74	Average	
3 0	5383 874	10 16	3/1 5/1	31 //0	26 26	48 56	54 00	-5 11	Λνορασο	



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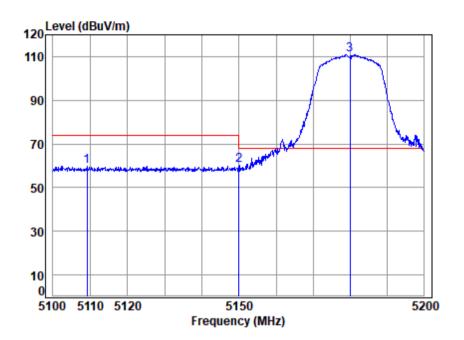


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5180 Band edge

56 WTET 11N20

	Ant	Preamp Factor			Remark
	 	——dB	 	 ——dB	
5109.119					•
5149.980 n 5180 000					•



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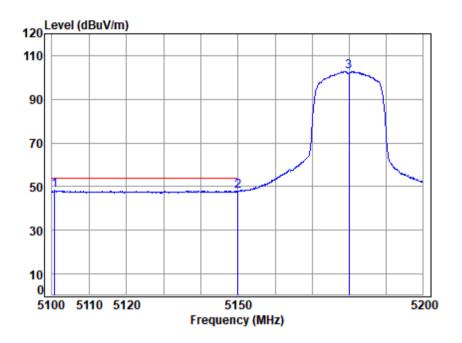


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5180 Band edge

: 5G WIFI 11N20

	Freq			Preamp Factor					Remark
-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q	5100.792	18.76	34.00	31.25	26.68	48.19	54.00	-5.81	Average
2	5149.980	18.83	33.90	31.28	26.44	47.89	54.00	-6.11	Average
3	5180.000	18.88	33.96	31.30	81.25	102.79			Average



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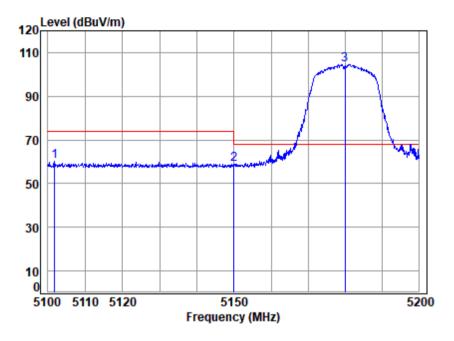


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Report No.: SZCR241100407404

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Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT Mode : 5180 Band edge

: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	0ver		
	Frea	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	•									
						JD. 377-	-ID: A//			
	MHZ	ав	aB/m	dB	abuv	aBuv/m	aBuv/m	ав		
1	5101.783	18.77	34.00	31.26	38.92	60.43	74.00	-13.57	Peak	
2	5149.980	18.83	33.90	31.28	37.37	58.82	74.00	-15.18	Peak	
3	p 5180.000	18.88	33.96	31.30	82.83	104.37	68.20	36.17	Peak	



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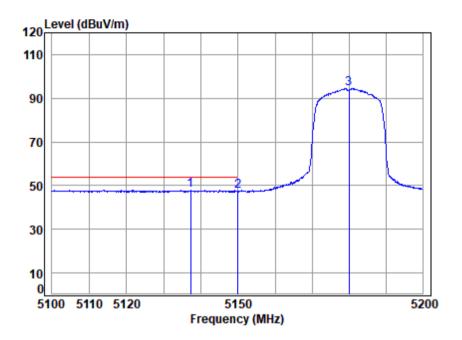


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Report No.: SZCR241100407404

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Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT Mode : 5180 Band edge

: 5G WIFI 11N20

	Freq			Preamp Factor					Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		_
q	5137.272	18.82	33.93	31.27	26.34	47.82	54.00	-6.18	Average	
	5149.980	18.83	33.90	31.28	26.06	47.51	54.00	-6.49	Average	
3	5180.000	18.88	33.96	31.30	72.97	94.51			Average	



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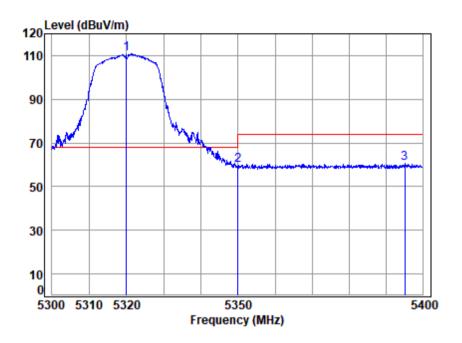


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 10; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5320 Band edge

: 5G WIFI 11N20

	Freq			Preamp Factor					Remark
•	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	5320.000	19.07	34.28	31.37	88.78	110.76	68.20	42.56	peak
2	5350.020	19.11	34.40	31.39	37.73	59.85	74.00	-14.15	peak
3	5395.157	19.17	34.58	31.41	38,22	60.56	74.00	-13.44	peak



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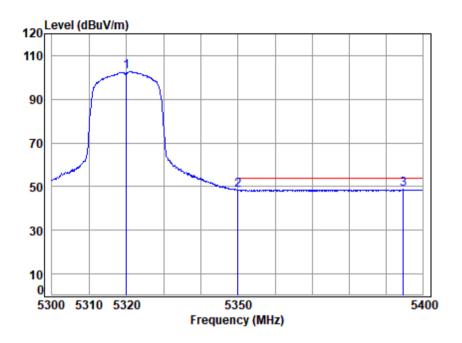


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 10; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5320 Band edge

: 5G WTFT 11N20

		. 50	MATIT	111120						
			Cable	Ant	Preamp	Read		Limit	0ver	
		Frea	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
										•••
	-						ID 1//	ID 1//		
		MHZ	ав	aB/m	dB	aBuv	aBuv/m	aBuv/m	dB	
1	1	5320.000	19.07	34.28	31.37	80.77	102.75			Average
2	2	5350.020	19.11	34.40	31.39	26.35	48.47	54.00	-5.53	Average
		539/ 75/								_



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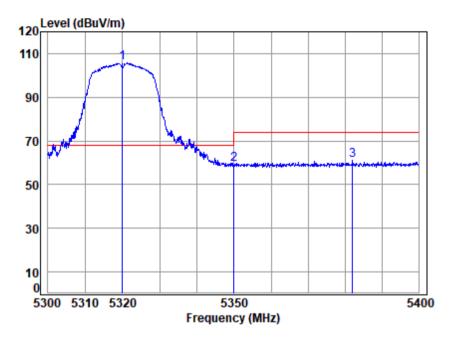


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 10; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT Mode : 5320 Band edge

: 5G WTFT 11N20

		****	111120						
		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 p 5320	0.000	19.07	34.28	31.37	83.76	105.74	68.20	37.54	Peak
2 5350									
3 5382									



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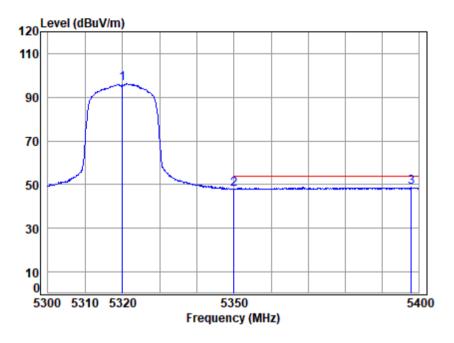


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Report No.: SZCR241100407404

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Test Mode: 10; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT Mode : 5320 Band edge

: 5G WIFI 11N20

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	19.07	34.28	31.37	74.26	96.24			Average
2	5350.020	19.11	34.40	31.39	25.91	48.03	54.00	-5.97	Average
3 q	5397.981	19.17	34.59	31.41	26.27	48.62	54.00	-5.38	Average



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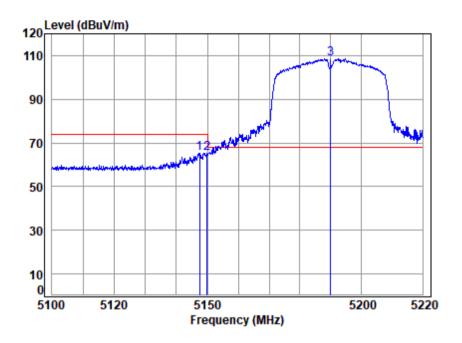


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Report No.: SZCR241100407404

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Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5190 Band edge

: 5G WIFI 11N40

	Freq						Limit Line		Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		-
	5147.426	18.83	33.91	31.28	43.99	65.45	74.00	-8.55	peak	
	5149.980	18.83	33.90	31.28	43.62	65.07	74.00	-8.93	peak	
;	p 5190.000	18.89	33.98	31.30	86.83	108.40	68.20	40.20	peak	



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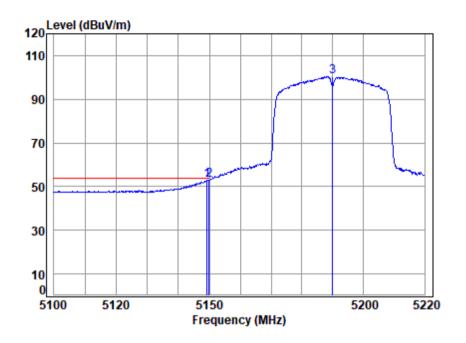


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Report No.: SZCR241100407404

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Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5190 Band edge

: 5G WIFI 11N40

		****	111110							
		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	5149.222	18.83	33.90	31.28	31.52	52.97	54.00	-1.03	Average	
	5149.980								_	
	5190.000								_	



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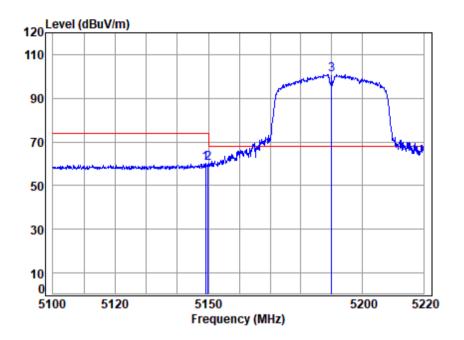


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Report No.: SZCR241100407404

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Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT Mode : 5190 Band edge

· 5G WTET 11N40

	. 30	MILI		Preamp	Pood		Limit	Over	
	-								ь .
	Freq	LOSS	Factor	Factor	rever	rever	Line	Limit	Kemark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.102	18.83	33.90	31.28	38.56	60.01	74.00	-13.99	Peak
2	5149.980	18.83	33.90	31.28	38.75	60.20	74.00	-13.80	Peak
3 r	5190,000	18.89	33.98	31.30	79.31	100.88	68.20	32.68	Peak



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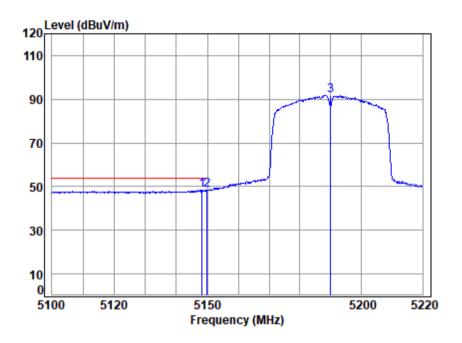


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

Page: 119 of 260

Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT Mode : 5190 Band edge

: 5G WIFI 11N40

	Freq			Preamp Factor					Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		-
	5148.264	18.83	33.90	31.28	26.92	48.37	54.00	-5.63	Average	
q	5149.980	18.83	33.90	31.28	26.93	48.38	54.00	-5.62	Average	
	5190.000	18.89	33.98	31.30	70.19	91.76			Average	



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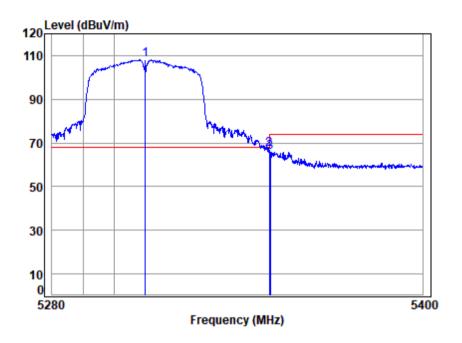


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 10; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5310 Band edge

: 5G WTFT 11N40

	. 50	****	111110						
		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	
p	5310.000	19.06	34.24	31.36	86.17	108.11	68.20	39.91	peak
2	5350.020	19.11	34.40	31.39	45.10	67.22	74.00	-6.78	peak
	5350 474								•



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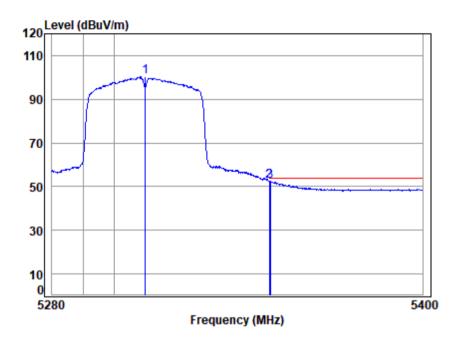


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

Page: 121 of 260

Test Mode: 10; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5310 Band edge

: 5G WIFI 11N40

	Freq			Preamp Factor					Remark
-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	19.06	34.24	31.36	78.23	100.17			Average
2 q	5350.020	19.11	34.40	31.39	30.44	52.56	54.00	-1.44	Average
3	5350.474	19.11	34.40	31.39	30.27	52.39	54.00	-1.61	Average



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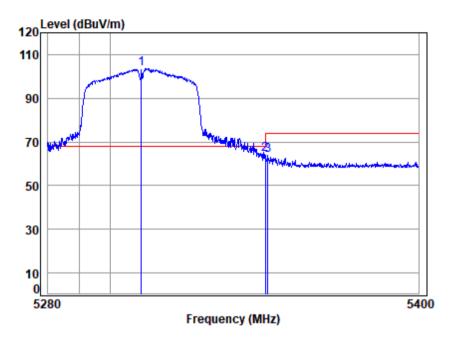


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 10; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT Mode : 5310 Band edge

: 5G WIFI 11N40

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	5310.000	19.06	34.24	31.36	81.80	103.74	68.20	35.54	Peak
2	5350.020	19.11	34.40	31.39	42.39	64.51	74.00	-9.49	Peak
3	5350.834	19.11	34.40	31.39	41.65	63.77	74.00	-10.23	Peak



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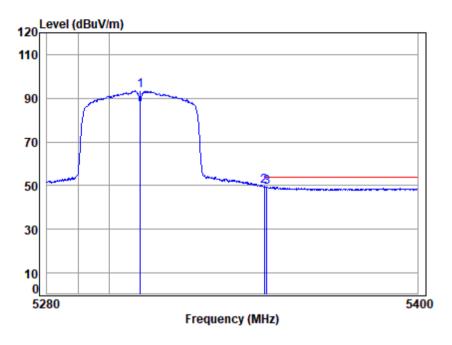


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 10; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT Mode : 5310 Band edge

: 5G WIFI 11N40

	Freq			Preamp Factor					
-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	19.06	34.24	31.36	71.44	93.38			Average
2 q	5350.020	19.11	34.40	31.39	27.52	49.64	54.00	-4.36	Average
3	5350.955	19.11	34.40	31.39	27.29	49.41	54.00	-4.59	Average



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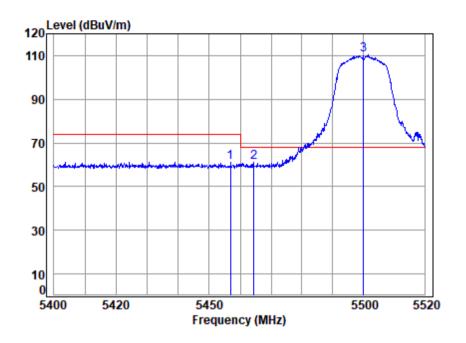


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 11; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5500 Band edge

: 5G WIFI 11A

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5456.911	19.25	34.67	31.44	38.73	61.21	74.00	-12.79	peak
2	5464.352	19.26	34.64	31.44	38.59	61.05	68.20	-7.15	peak
3 (5500.000	19.31	34.50	31.46	87.98	110.33	68.20	42.13	peak



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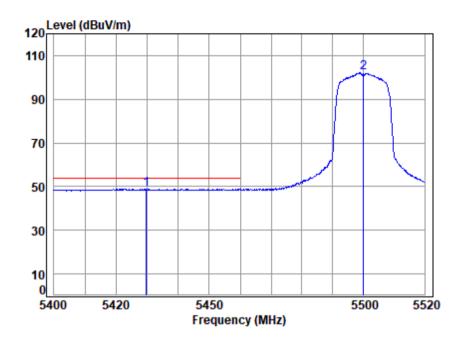


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 11; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5500 Band edge

: 5G WIFI 11A

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m MHz dB dB/m 1 q 5429.634 19.22 34.66 31.43 26.49 48.94 54.00 -5.06 Average

5500.000 19.31 34.50 31.46 79.75 102.10 ----- Average



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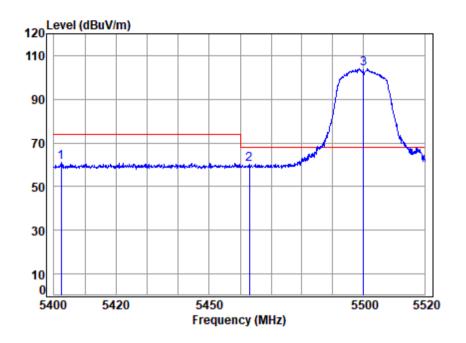


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 11; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT Mode : 5500 Band edge

· 5G WIFT 11A

	. 50	MILIT	IIM							
		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	5402.255	19.18	34.60	31.41	38.90	61.27	74.00	-12.73	Peak	
2	5462.911	19.26	34.65	31.44	37.85	60.32	68.20	-7.88	peak	
3 n	5500 000	19 31	34 50	31 46	81 65	104 00	68 20	35 80	Peak	



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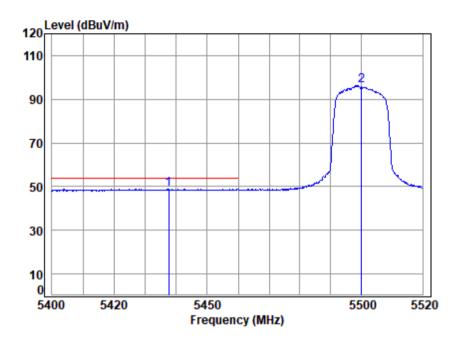


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Report No.: SZCR241100407404

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Test Mode: 11; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT Mode : 5500 Band edge

: 5G WIFI 11A

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m MHz dB dB/m

1 q 5437.516 19.23 34.68 31.43 26.28 48.76 54.00 -5.24 Average 5500.000 19.31 34.50 31.46 73.91 96.26 ----- Average



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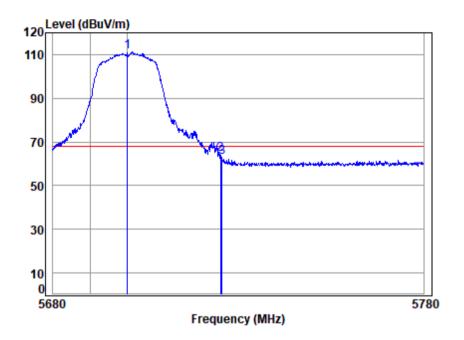


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Report No.: SZCR241100407404

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Test Mode: 11; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5700 Band edge

: 5G WIFI 11A

	Freq						Limit Line		Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	5700.000	19.44	34.30	31.56	88.97	111.15	68.20	42.95	peak
2	5725.000	19.46	34.25	31.57	41.97	64.11	68.20	-4.09	peak
3	5725.483	19.46	34.25	31.57	40.68	62.82	68.20	-5.38	peak



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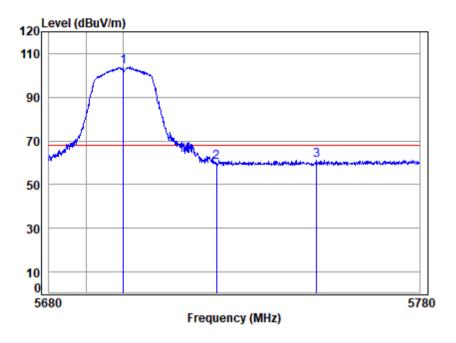


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Report No.: SZCR241100407404

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Test Mode: 11; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT Mode : 5700 Band edge

: 5G WIFI 11A

	. 50	AATIT	114						
		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	
р	5700.000	19.44	34.30	31.56	81.81	103.99	68.20	35.79	Peak
	5725.000								
	5752 125	10 /17	3/1 20	31 58	30 08	61 17	68 20	_7 03	Dook



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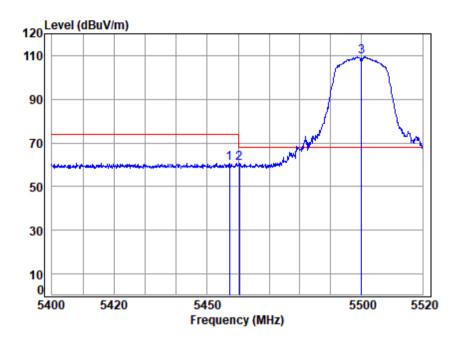


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 11; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5500 Band edge

: 5G WTFT 11N20

	. 50	MATI T	111120							
		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	5457.151	19.25	34.67	31.44	38.26	60.74	74.00	-13.26	peak	
	5460.390								-	
	n 5500 000								•	



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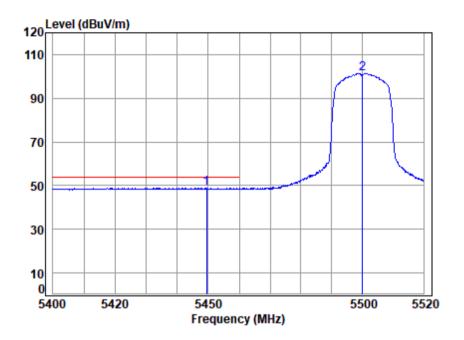


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

Page: 131 of 260

Test Mode: 11; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5500 Band edge

: 5G WIFI 11N20

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m MHz dB dB/m 1 q 5449.480 19.24 34.70 31.44 26.45 48.95 54.00 -5.05 Average

5500.000 19.31 34.50 31.46 79.10 101.45 ----- Average



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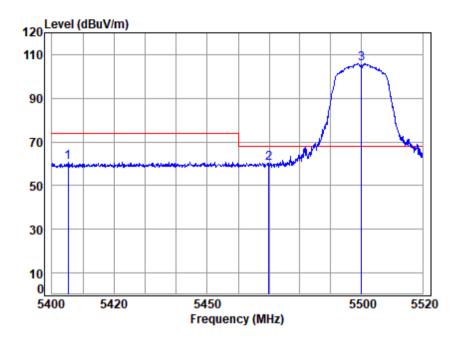


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 11; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT Mode : 5500 Band edge

56 WTET 11N20

	. 50	MATIT	111120						
		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	
	5405.225	19.18	34.61	31.41	38.28	60.66	74.00	-13.34	Peak
)	5469.880	19.27	34.62	31.45	37.85	60.29	68.20	-7.91	peak
	n 5500 000	19 31	34 50	31 46	83 //3	105 78	68 20	37 58	Peak



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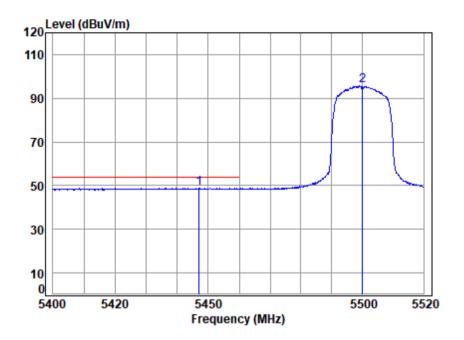


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

Page: 133 of 260

Test Mode: 11; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT Mode : 5500 Band edge

: 5G WIFI 11N20

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m MHz dB dB/m

1 q 5447.085 19.24 34.69 31.43 26.41 48.91 54.00 -5.09 Average 5500.000 19.31 34.50 31.46 73.37 95.72 ----- Average



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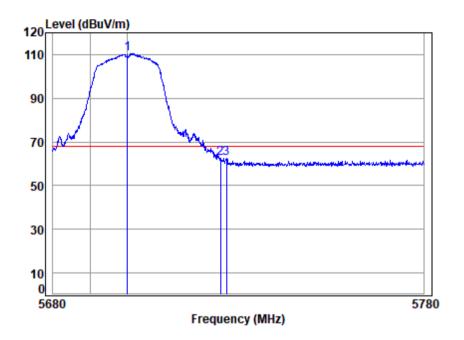


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 11; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5700 Band edge

: 5G WIFI 11N20

		****	111120							
		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		
р	5700.000	19.44	34.30	31.56	88.27	110.45	68.20	42.25	peak	
Ċ	5725.000	19.46	34.25	31.57	40.30	62.44	68.20	-5.76	peak	
	5726.583								•	



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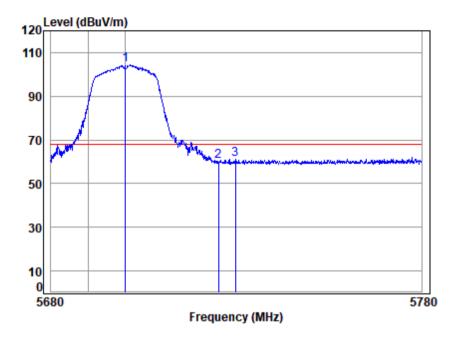


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

Page: 135 of 260

Test Mode: 11; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT Mode : 5700 Band edge

56 WTET 11N20

	. 50	AATIT	111120						
		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	
. р	5700.000	19.44	34.30	31.56	82.09	104.27	68.20	36.07	Peak
2	5725.000	19.46	34.25	31.57	37.97	60.11	68.20	-8.09	Peak
	5729 582	19 46	34 24	31 57	38 94	61 07	68 20	-7 13	Peak



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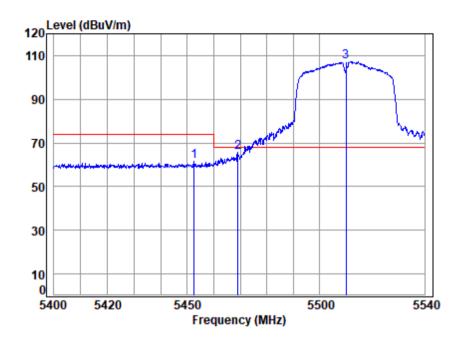


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 11; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5510 Band edge

56 WTET 11N40

		MATIT	111140						
		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	5452.639	19.25	34.69	31.44	39.07	61.57	74.00	-12.43	peak
2	5468.992	19.27	34.62	31.45	43.26	65.70	68.20	-2.50	peak
3	n 5510 000	19 32	34 54	31 47	84 95	107 34	68 20	39 14	neak



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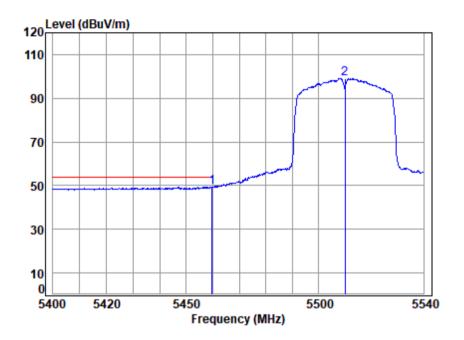


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

Page: 137 of 260

Test Mode: 11; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5510 Band edge

: 5G WIFI 11N40

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m MHz dB dB/m 1 q 5459.622 19.26 34.66 31.44 26.88 49.36 54.00 -4.64 Average

5510.000 19.32 34.54 31.47 76.67 99.06 ----- Average



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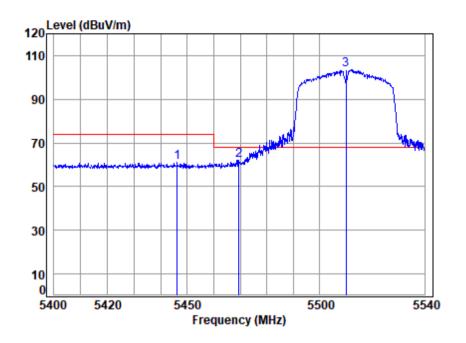


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 11; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT Mode : 5510 Band edge

56 WTET 11N40

	. 50	MATIT	111140						
		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	5446.223	19.24	34.69	31.43	38.82	61.32	74.00	-12.68	Peak
2	5469.552	19.27	34.62	31.45	39.56	62.00	68.20	-6.20	peak
3	n 5510 000	19 32	34 54	31 47	81 16	103 55	68 20	35 35	Peak



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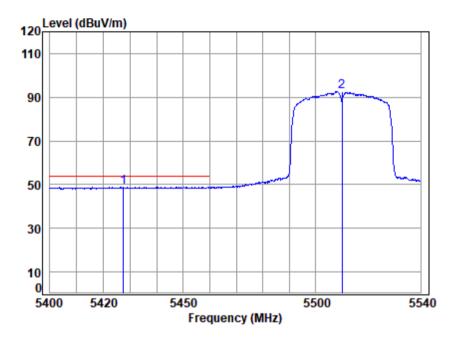


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Report No.: SZCR241100407404

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Test Mode: 11; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT Mode : 5510 Band edge

: 5G WIFI 11N40

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Level Level Line Limit Remark dBuV dBuV/m dBuV/m MHz dB dB/m

1 q 5427.436 19.21 34.65 31.42 26.47 48.91 54.00 -5.09 Average 5510.000 19.32 34.54 31.47 70.27 92.66 ----- Average



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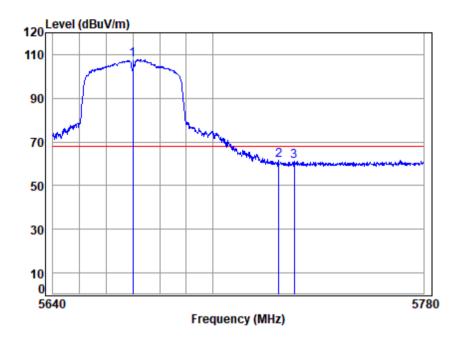


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 11; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5670 Band edge

: 5G WTFT 11N40

	. 50	***	1111-0							
		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		_
							•			
р	5670.000	19.42	34.36	31.54	85.38	107.62	68.20	39.42	peak	
	5725.000								•	
	5730 750								•	



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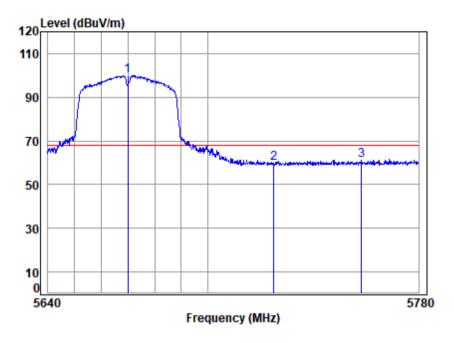


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

Page: 141 of 260

Test Mode: 11; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT Mode : 5670 Band edge

: 5G WTFT 11N40

	. 50	****	111140							
		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 p	5670.000	19.42	34.36	31.54	77.67	99.91	68.20	31.71	Peak	
2	5725.000	19.46	34.25	31.57	37.59	59.73	68.20	-8.47	Peak	
	5758 216									



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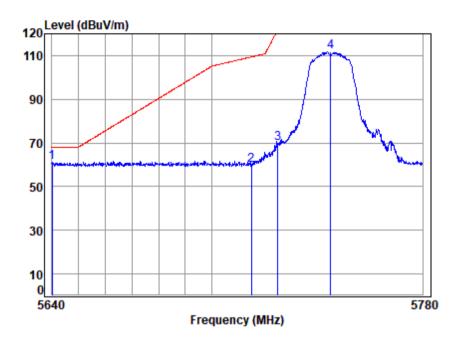


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 12; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5745 Band edge

: 5G WIFI 11A

		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 p	5640.138	19.40	34.46	31.53	38.62	60.95	68.20	-7.25	peak
2	5715.000	19.45	34.27	31.57	37.71	59.86	109.40	-49.54	peak
3	5725.000	19.46	34.25	31.57	47.51	69.65	122.20	-52.55	peak
	5745.000								-



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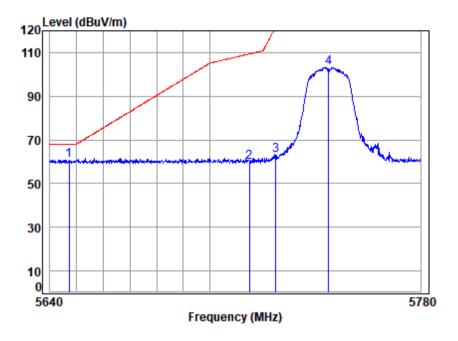


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 12; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT Mode : 5745 Band edge

· 5G WTFT 11Δ

		****	117						
		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 p	5647.196	19.41	34.42	31.53	38.44	60.74	68.20	-7.46	peak
2	5715.000	19.45	34.27	31.57	37.68	59.83	109.40	-49.57	peak
	5725.000								•
4	5745.000	19.47	34.21	31.58	81.24	103.34			peak



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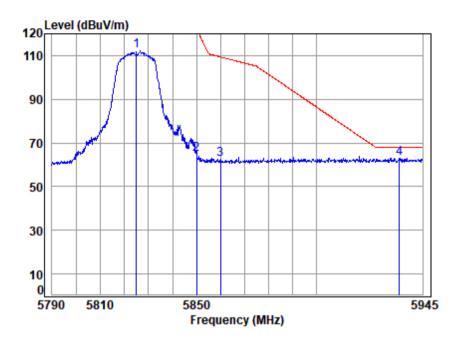


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Report No.: SZCR241100407404

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Test Mode: 12; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5825 Band edge

· 5G WTFT 11Δ

	. 50	AATIT	114						
		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	5825.000	19.52	34.35	31.62	89.89	112.14			peak
2	5850.000	19.54	34.40	31.63	42.67	64.98	122.20	-57.22	peak
3	5860.000	19.54	34.44	31.64	40.31	62.65	109.40	-46.75	peak
	n 5935 271								•



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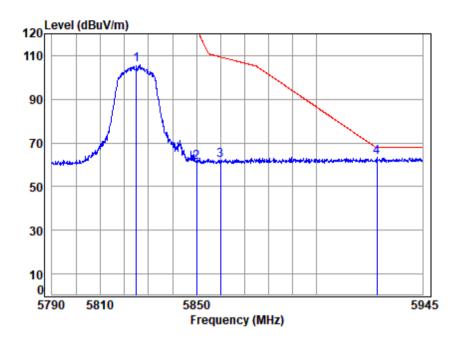


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Report No.: SZCR241100407404

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Test Mode: 12; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT Mode : 5825 Band edge

: 5G WIFI 11A

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.000	19.52	34.35	31.62	83.53	105.78			peak
2	5850.000	19.54	34.40	31.63	38.95	61.26	122.20	-60.94	peak
3	5860.000	19.54	34.44	31.64	39.66	62.00	109.40	-47.40	peak
4 p	5925.713	19.58	34.65	31.67	40.85	63.41	68.20	-4.79	peak



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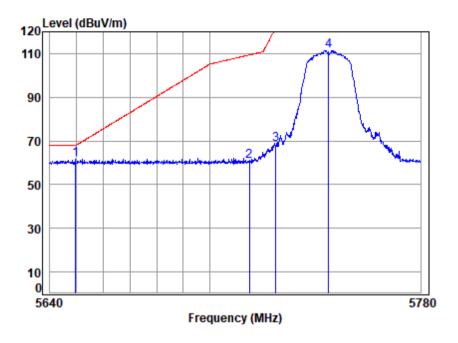


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Report No.: SZCR241100407404

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Test Mode: 12; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5745 Band edge

: 5G WIFI 11N20

		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 p	5649.550	19.41	34.40	31.53	39.23	61.51	68.20	-6.69	peak
2	5715.000	19.45	34.27	31.57	38.61	60.76	109.40	-48.64	peak
3	5725.000	19.46	34.25	31.57	46.27	68.41	122.20	-53.79	peak
4	5745.000	19.47	34.21	31.58	89.31	111.41			peak



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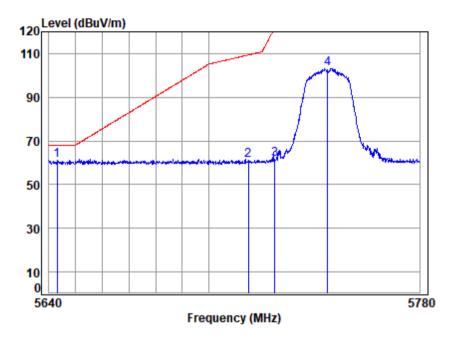


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 12; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT Mode : 5745 Band edge

: 5G WIFI 11N20

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	5643.043	19.40	34.44	31.53	39.02	61.33	68.20	-6.87	peak
2	5715.000	19.45	34.27	31.57	38.77	60.92	109.40	-48.48	peak
3	5725.000	19.46	34.25	31.57	39.44	61.58	122.20	-60.62	peak
	5745.000								-



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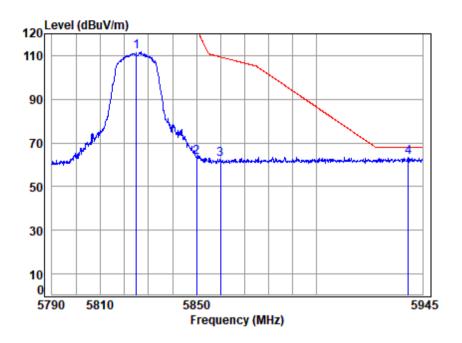


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Test Mode: 12; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5825 Band edge

: 5G WIFI 11N20

		Freq			Preamp Factor					Remark
	-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		5825.000	19.52	34.35	31.62	89.34	111.59			peak
2		5850.000	19.54	34.40	31.63	40.94	63.25	122.20	-58.95	peak
3		5860.000	19.54	34.44	31.64	40.15	62.49	109.40	-46.91	peak
4	р	5939.035	19.59	34.68	31.67	40.69	63.29	68.20	-4.91	peak



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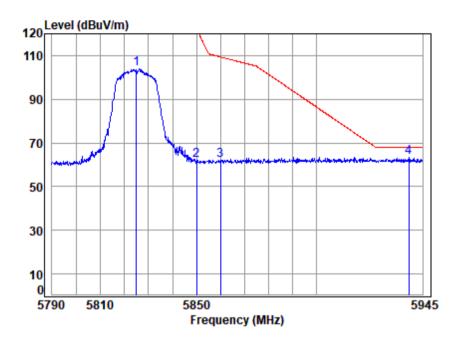


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Report No.: SZCR241100407404

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Test Mode: 12; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT Mode : 5825 Band edge

: 5G WTFT 11N20

	. 50	AATIT	111120						
		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	5825.000	19.52	34.35	31.62	81.75	104.00			peak
2	5850.000	19.54	34.40	31.63	39.65	61.96	122.20	-60.24	peak
	5860.000								•
	n 5030 102								•



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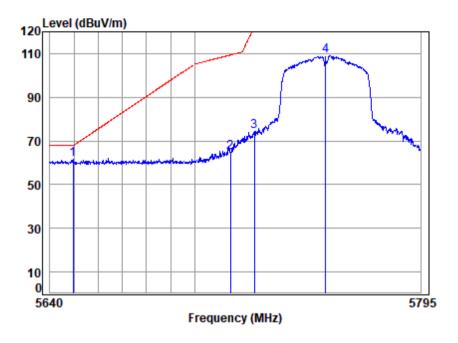


SZEMC-TRF-01 Rev. A/1

Report No.: SZCR241100407404

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Test Mode: 12; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5755 Band edge

: 5G WIFI 11N40

		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 p	5649.642	19.41	34.40	31.53	39.17	61.45	68.20	-6.75	peak
2	5715.000	19.45	34.27	31.57	42.51	64.66	109.40	-44.74	peak
3	5725.000	19.46	34.25	31.57	52.37	74.51	122.20	-47.69	peak
4	5755.000	19.48	34.21	31.59	86.96	109.06			neak



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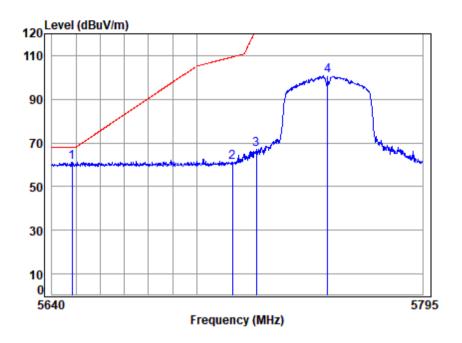


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Test Mode: 12; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT Mode : 5755 Band edge

: 5G WIFI 11N40

		****	11						
		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 p	5648.263	19.41	34.41	31.53	38.86	61.15	68.20	-7.05	peak
2	5715.000	19.45	34.27	31.57	39.15	61.30	109.40	-48.10	peak
	5725.000								
4	5755.000	19.48	34.21	31.59	78.52	100.62			peak



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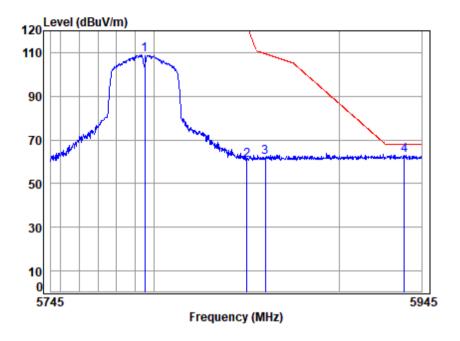


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Test Mode: 12; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber

Condition: 3m HORIZONTAL : 04074AT\04075AT Mode : 5795 Band edge

: 5G WIFI 11N40

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.000	19.50	34.29	31.60	86.73	108.92			peak
2	5850.000	19.54	34.40	31.63	38.44	60.75	122.20	-61.45	peak
3	5860.000	19.54	34.44	31.64	39.77	62.11	109.40	-47.29	peak
4 p	5935.649	19.59	34.67	31.67	40.54	63.13	68.20	-5.07	peak



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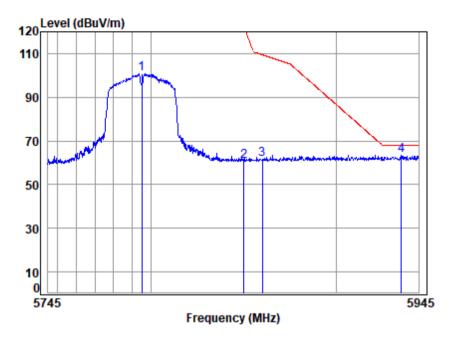


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Test Mode: 12; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

: 04074AT\04075AT Mode : 5795 Band edge

56 WTET 11N40

		MILI	111/40						
		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	5795.000	19.50	34.29	31.60	78.64	100.83			peak
2	5850.000	19.54	34.40	31.63	38.26	60.57	122.20	-61.63	peak
3	5860.000	19.54	34.44	31.64	39.31	61.65	109.40	-47.75	peak
4 n	5935 446	19 59	34 67	31 67	41 03	63 62	68 20	-4 58	neak



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7.6 Channel Move Time

Test Requirement KDB 905462 D02 Section 5.1 Test Method: KDB 905462 D02 Section 7.8.3

Limit:

Test item	Limit	Applicability	
		Master Device or client with Radar Detection	Client without Radar Detection
Non-occupancy period	Minimum 30 minutes	Yes	Not required
Channel Availability Check Time	60 seconds	Yes	Not required
Channel Move Time	10 seconds See Note 1.	Yes	Yes
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.	Yes	Yes
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.	Yes	Not required

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

7.6.1 E.U.T. Operation

Operating Environment:

Temperature: Atmospheric Pressure: 1020 mbar 23.9 °C Humidity: 34.2 % RH



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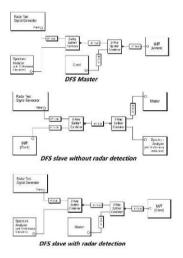
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7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	13	Normal operating_Keep the EUT communication with the companion device.

7.6.3 Test Setup Diagram





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7.6.4 Measurement Procedure and Data

- 1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
- 2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.
- 3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
- 4) EUT will associate with the master at channel. The file "iperf.exe" specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.
- 5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.
- 6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
- 7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: Dwell (0.3ms) =S (12000ms) / B (4000); where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: C (ms)= N X Dwell (0.3ms); where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.
- 8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

Please Refer to Appendix for Details



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7.7 Duty Cycle

Test Requirement KDB 789033 D02 II B 1 Test Method: KDB 789033 D02 II B 1

7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 25.6 °C Humidity: 47.3 % RH Atmospheric Pressure: 1020 mbar

7.7.2 Test Mode Description

	.7.2 Test mode Description								
Pre-scan / Final test	Mode Code	Description							
Final test	09	TX mode (U-NII-1)_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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.							
Final test	10	TX mode (U-NII-2A) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.							
Final test	11	TX mode (U-NII-2C) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11nn 20/40, Only the data of worst case is recorded in the report.							
Final test	12	TX mode (U-NII-3) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.							



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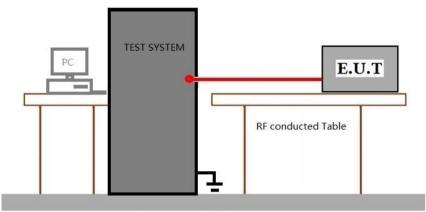


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7.7.3 Test Setup Diagram



Ground Reference Plane

7.7.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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7.8 99% Bandwidth

Test Requirement N/A

Test Method: KDB 789033 D02 II D

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 25.6 °C Humidity: 47.3 % RH Atmospheric Pressure: 1020 mbar

7.8.2 Test Mode Description

11012 100111	7.0.2 Test mode bescription							
Pre-scan / Final test	Mode Code	Description						
Final test	09	TX mode (U-NII-1)_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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.						
Final test	10	TX mode (U-NII-2A) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.						
Final test	11	TX mode (U-NII-2C) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11nn 20/40, Only the data of worst case is recorded in the report.						
Final test	12	TX mode (U-NII-3) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.						



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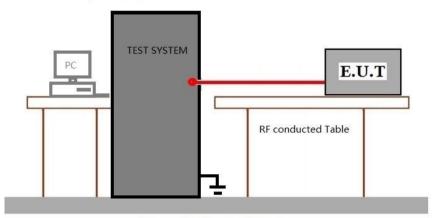


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7.8.3 Test Setup Diagram



Ground Reference Plane

7.8.4 Measurement Procedure and Data

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7.9 26dB Emission bandwidth

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)

Test Method: KDB 789033 D02 II C 1

7.9.1 E.U.T. Operation

Operating Environment:

Temperature: 25.6 °C Humidity: 47.3 % RH Atmospheric Pressure: 1020 mbar

7.9.2 Test Mode Description

7.3.2 Test W	7.3.2 Test mode Description							
Pre-scan / Final test	Mode Code	Description						
Final test	09	TX mode (U-NII-1)_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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.						
Final test	10	TX mode (U-NII-2A) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.						
Final test	11	TX mode (U-NII-2C) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11nn 20/40, Only the data of worst case is recorded in the report.						
Final test	12	TX mode (U-NII-3) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.						



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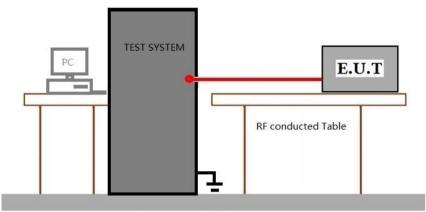


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7.9.3 Test Setup Diagram



Ground Reference Plane

7.9.4 Measurement Procedure and Data

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7.10 Minimum 6 dB bandwidth (5.725-5.85 GHz band)

Test Requirement 47 CFR Part 15, Subpart E 15.407 (e)

Test Method: KDB 789033 D02 II C 2

Limit:

Frequency band(MHz)	Limit
5725-5850	≥500 kHz

7.10.1 E.U.T. Operation

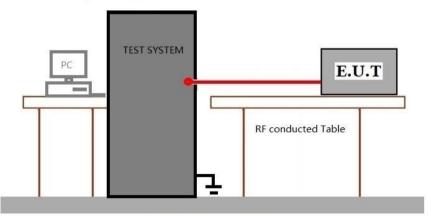
Operating Environment:

25.6 °C Temperature: Humidity: 47.3 % RH Atmospheric Pressure: 1020 mbar

7.10.2 Test Mode Description

	The continue of the continue o							
Pre-scan / Final test	Mode Code	Description						
Final test	12	TX mode (U-NII-3) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.						

7.10.3 Test Setup Diagram



Ground Reference Plane

7.10.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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7.11 Peak Power spectrum density

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)

Test Method: KDB 789033 D02 II F

Limit:

Frequenc	y band(MHz)	Limit		
E150 5	250	≤17dBm in 1MHz for master device		
5150-5	250	≤11dBm in 1MHz for client device		
5250-5	350	≤11dBm in 1MHz for client device		
5470-5	725	≤11dBm in 1MHz for client device		
5725-5	850	≤30dBm in 500 kHz		
Remark:		power spectral density is measured as a conducted emission ection of a calibrated test instrument to the equipment under		

7.11.1 E.U.T. Operation

Operating Environment:

Temperature: 25.6 °C Humidity: 47.3 % RH Atmospheric Pressure: 1020 mbar

7.11.2 Test Mode Description

711112 1000	7.11.2 Test mode bescription						
Pre-scan / Final test	Mode Code	Description					
Final test	09	TX mode (U-NII-1)_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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.					
Final test	10	TX mode (U-NII-2A) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.					
Final test	11	TX mode (U-NII-2C) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11nn 20/40, Only the data of worst case is recorded in the report.					
Final test	12	TX mode (U-NII-3) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.					



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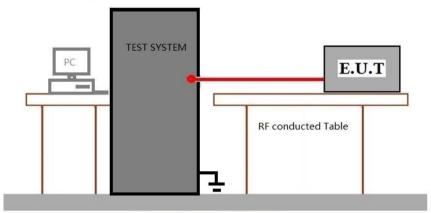


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7.11.3 Test Setup Diagram



Ground Reference Plane

7.11.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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7.12 Frequency Stability

Test Requirement 47 CFR Part 15, Subpart E 15.407 (g) Test Method: ANSI C63.10 (2013) Section 6.8

7.12.1 E.U.T. Operation

Operating Environment:

Temperature: 25.6 °C Humidity: 47.3 % RH Atmospheric Pressure: 1020 mbar

7.12.2 Test Mode Description

	The state of the s						
Pre-scan / Final test	Mode Code	Description					
Final test	09	TX mode (U-NII-1)_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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.					
Final test	10	TX mode (U-NII-2A) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.					
Final test	11	TX mode (U-NII-2C) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11nn 20/40, Only the data of worst case is recorded in the report.					
Final test	12	TX mode (U-NII-3) _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 @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n 20/40, Only the data of worst case is recorded in the report.					



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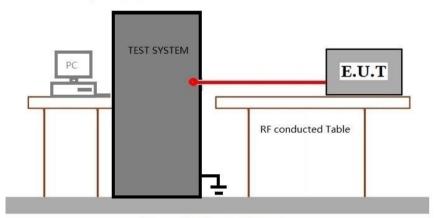


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7.12.3 Test Setup Diagram



Ground Reference Plane

7.12.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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7.13 Channel Closing Transmission Time

Test Requirement KDB 905462 D02 Section 5.1 Test Method: KDB 905462 D02 Section 7.8.3

Limit:

Test item	Limit	Applicability	
		Master Device or client with Radar Detection	Client without Radar Detection
Non-occupancy period	Minimum 30 minutes	Yes	Not required
Channel Availability Check Time	60 seconds	Yes	Not required
Channel Move Time	10 seconds See Note 1.	Yes	Yes
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.	Yes	Yes
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.	Yes	Not required

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

7.13.1 E.U.T. Operation

Operating Environment:

Temperature: Atmospheric Pressure: 1020 mbar 23.9 °C Humidity: 34.3 % RH



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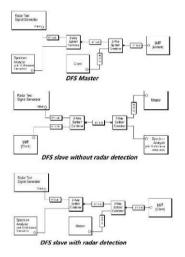
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7.13.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	13	Normal operating_Keep the EUT communication with the companion device.

7.13.3 Test Setup Diagram





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7.13.4 Measurement Procedure and Data

- 1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
- 2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.
- 3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
- 4) EUT will associate with the master at channel. The file "iperf.exe" specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.
- 5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.
- 6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
- 7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: Dwell (0.3ms) =S (12000ms) / B (4000); where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: C (ms)= N X Dwell (0.3ms); where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.
- 8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

Please Refer to Appendix for Details



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Test Setup Photo 8

Refer to Appendix - Test Setup Photo for SZCR2411004074AT

EUT Constructional Details (EUT Photos) 9

Refer to Appendix - External and Internal Photos for SZCR2411004074AT



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10 Appendix

- 1. Duty Cycle
- 1.1 Test Result

1.1.1 Ant1

	Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)	
		5180	1.361	1.412	96.39	0.16	0.03	
		5200	1.361	1.412	96.39	0.16	0.03	
		5240	1.360	1.412	96.32	0.16	0.06	
		5260	1.360	1.412	96.32	0.16	0.03	
		5300	1.361	1.413	96.32	0.16	0.06	
802.11a	SISO	5320	1.361	1.412	96.39	0.16	0.06	
602.11a	3130	5500	1.361	1.413	96.32	0.16	0.03	
		5580	1.360	1.412	96.32	0.16	0.03	
		5700	1.360	1.412	96.32	0.16	0.03	
		5745	1.361	1.412	96.39	0.16	0.03	
		5785	1.361	1.412	96.39	0.16	0.03	
		5825	1.360	1.412	96.32	0.16	0.06	
		5180	1.272	1.324	96.07	0.17	0.04	
		5200	1.273	1.324	96.15	0.17	0.04	
		5240	1.273	1.325	96.08	0.17	0.03	
		5260	1.273	1.324	96.15	0.17	0.04	
	SISO	5300	1.273	1.325	96.08	0.17	0.03	
802.11n		5320	1.273	1.325	96.08	0.17	0.03	
(HT20)	3130	5500	1.272	1.324	96.07	0.17	0.03	
		5580	1.273	1.324	96.15	0.17	0.03	
		5700	1.273	1.324	96.15	0.17	0.03	
		5745	1.272	1.324	96.07	0.17	0.04	
		5785	1.273	1.324	96.15	0.17	0.00	
		5825	1.273	1.324	96.15	0.17	0.04	
		5190	0.633	0.684	92.54	0.34	0.03	
802.11n	SISO	5230	0.633	0.684	92.54	0.34	0.04	
(HT40)	3130	5270	0.633	0.685	92.41	0.34	0.03	
		5310	0.633	0.684	92.54	0.34	0.03	



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	5510	0.633	0.684	92.54	0.34	0.03
	5550	0.633	0.684	92.54	0.34	0.03
	5670	0.633	0.684	92.54	0.34	0.04
	5755	0.632	0.684	92.40	0.34	0.07
	5795	0.633	0.684	92.54	0.34	0.03



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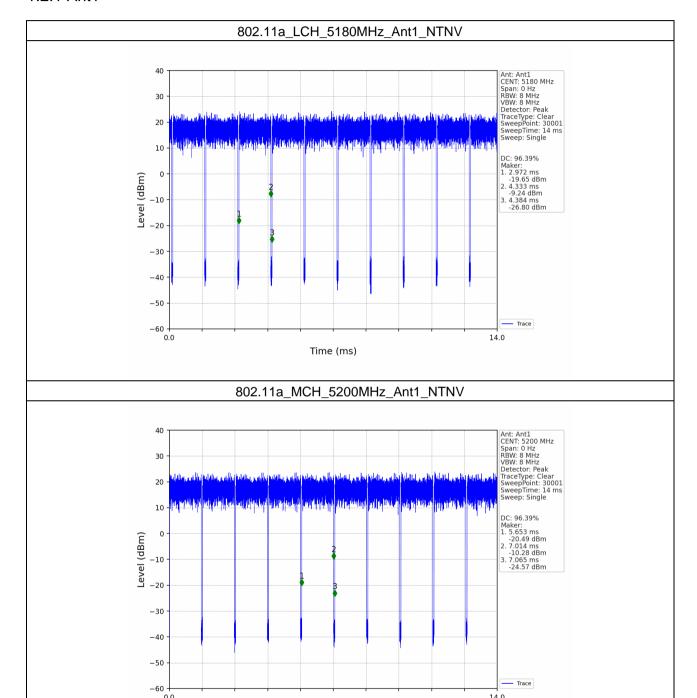
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1.2 Test Graph

1.2.1 Ant1





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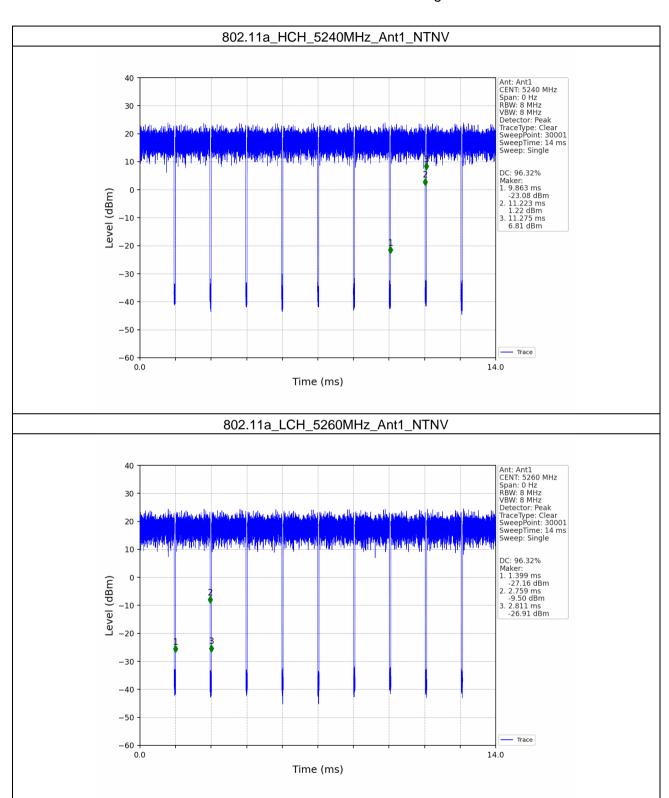
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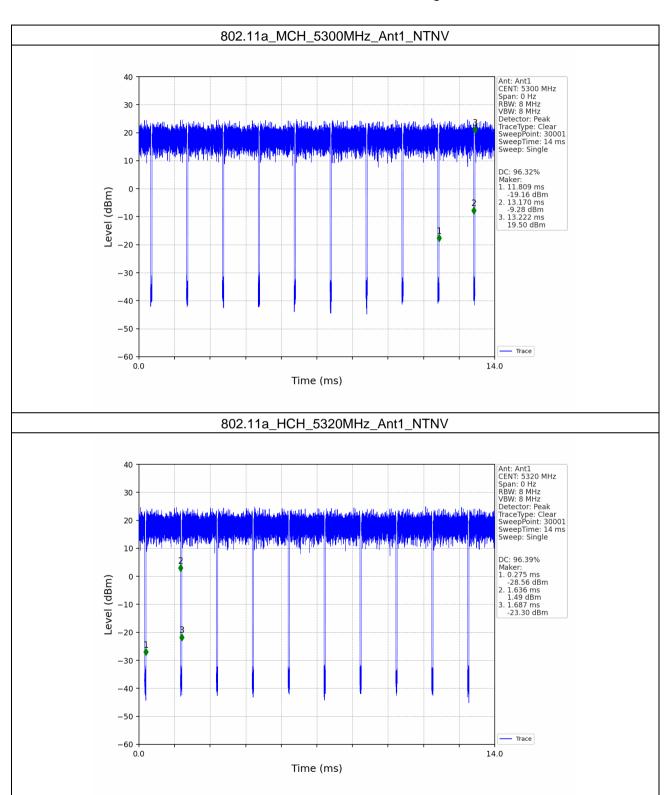
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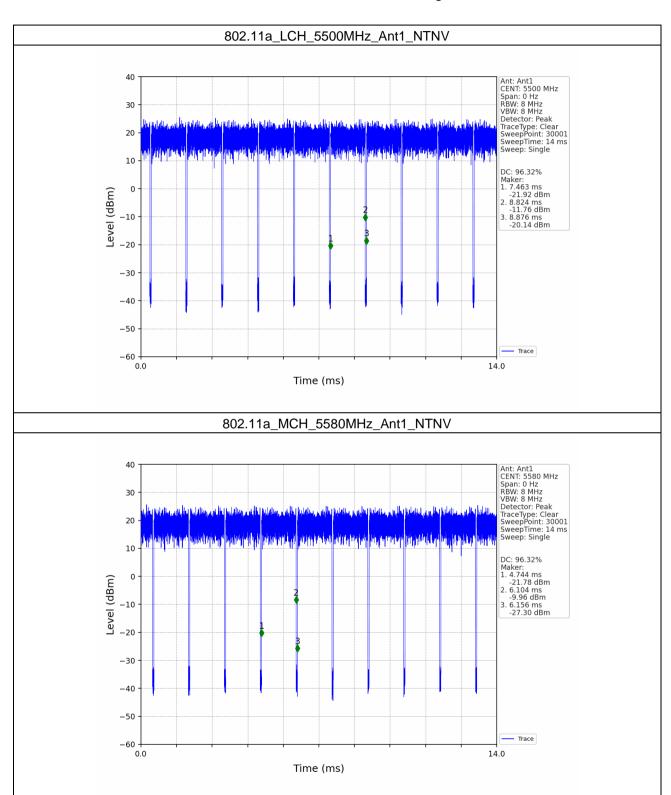
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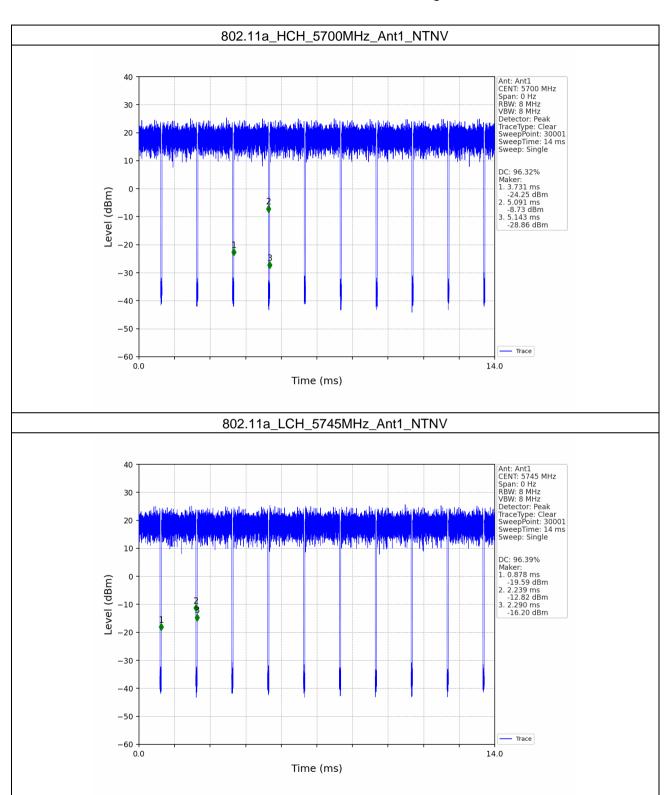
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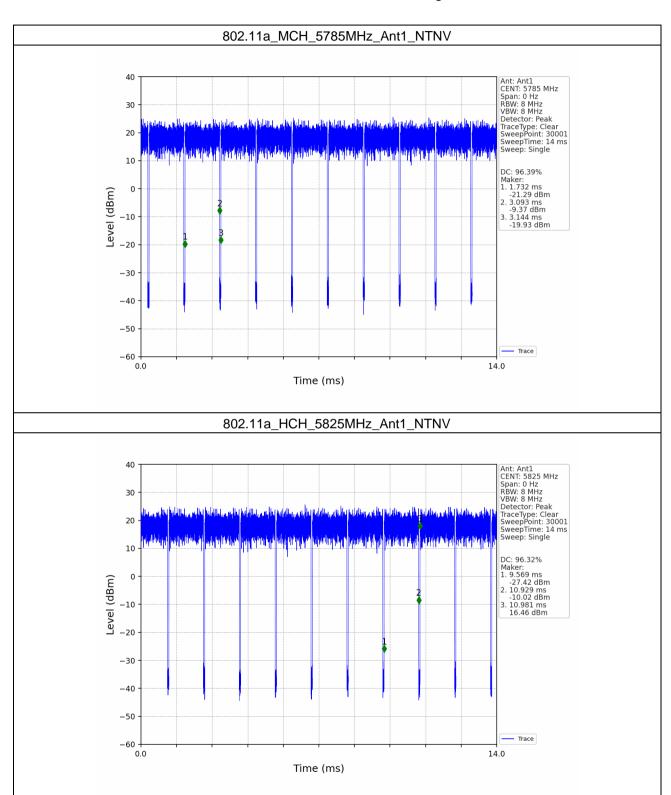
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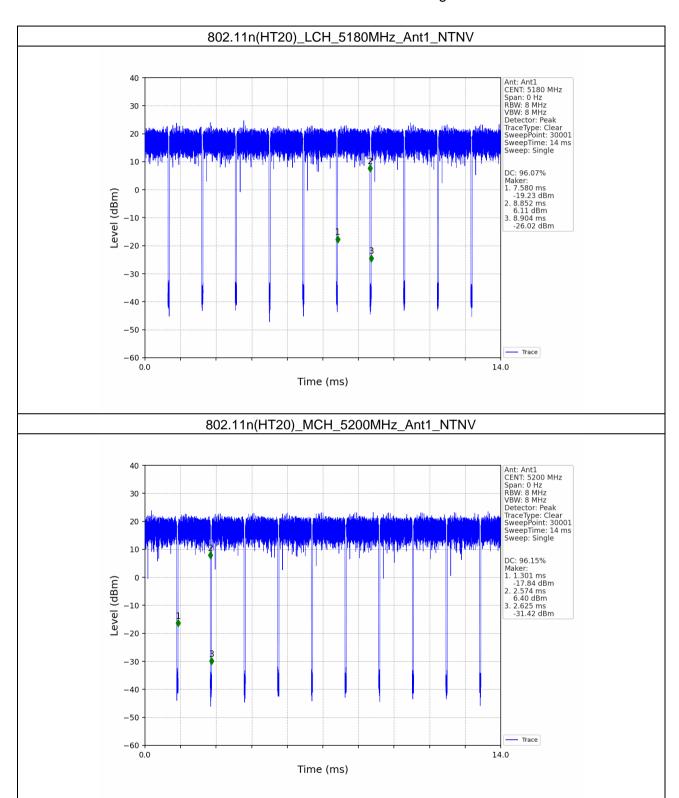
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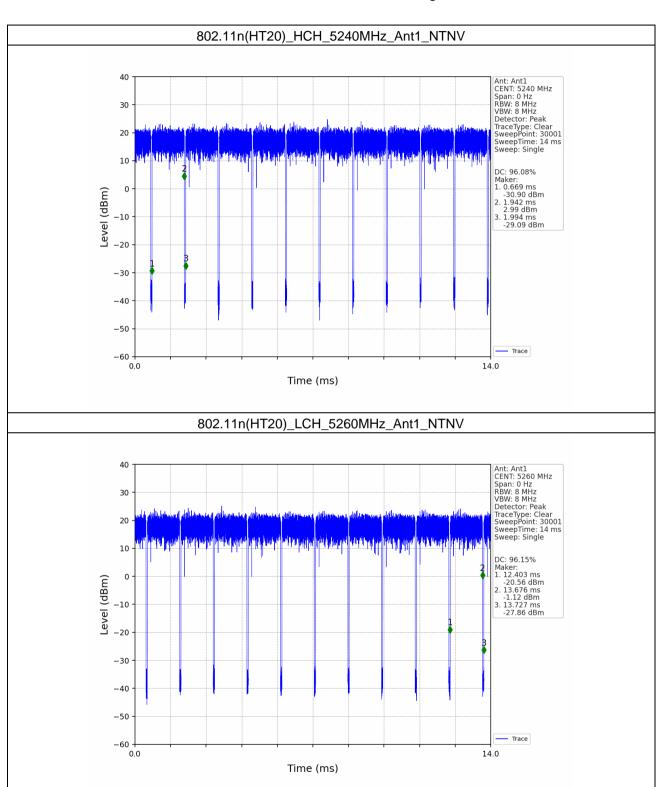
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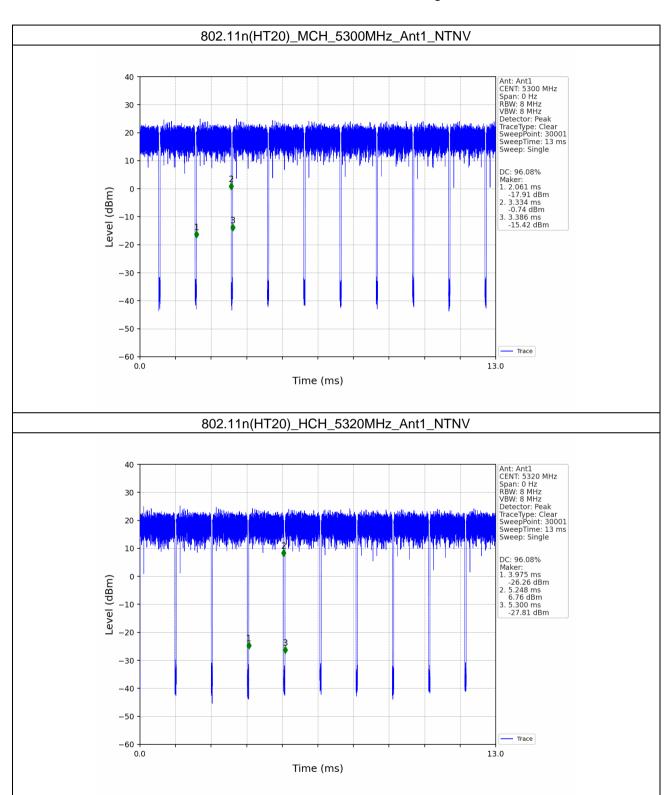
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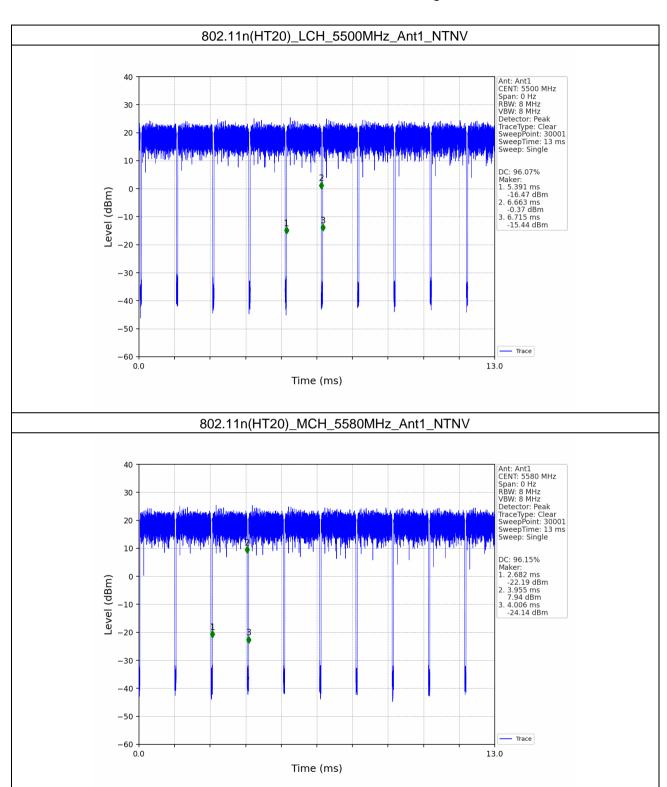
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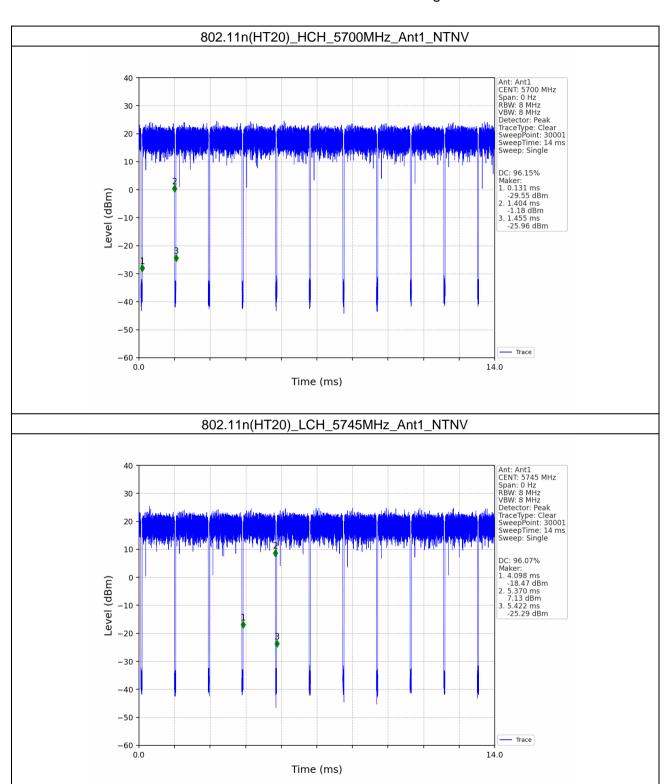
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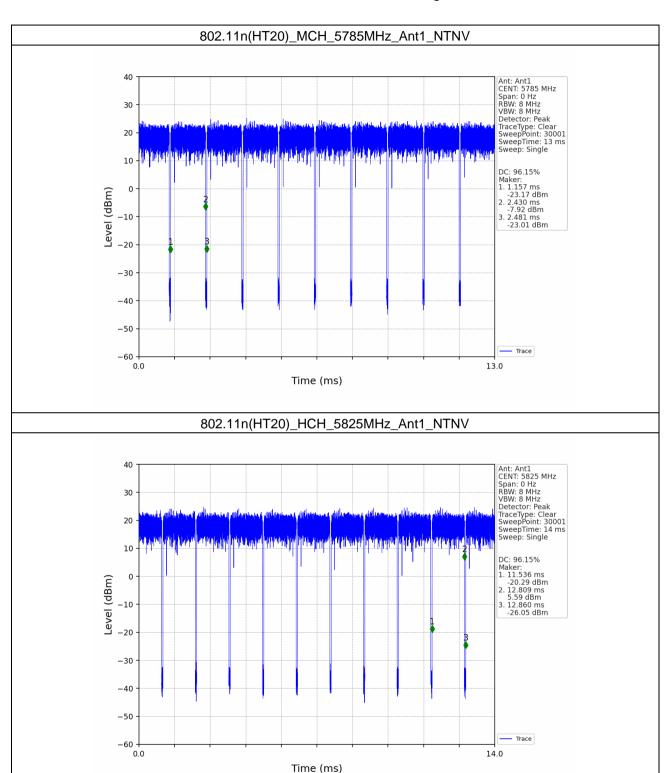
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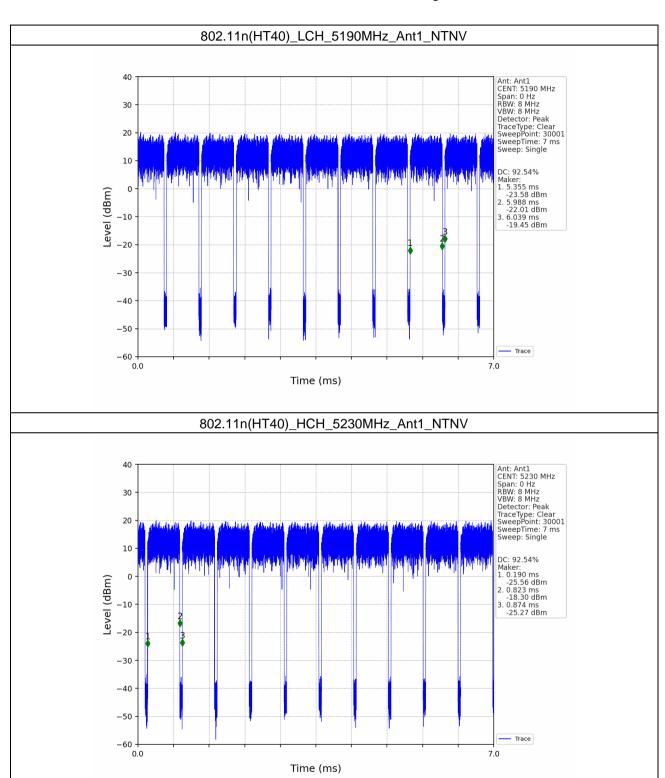
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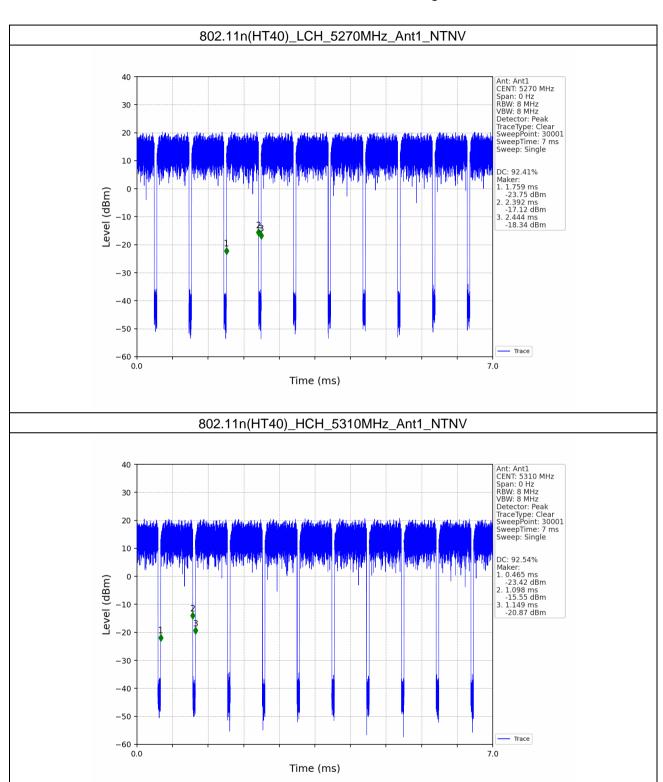
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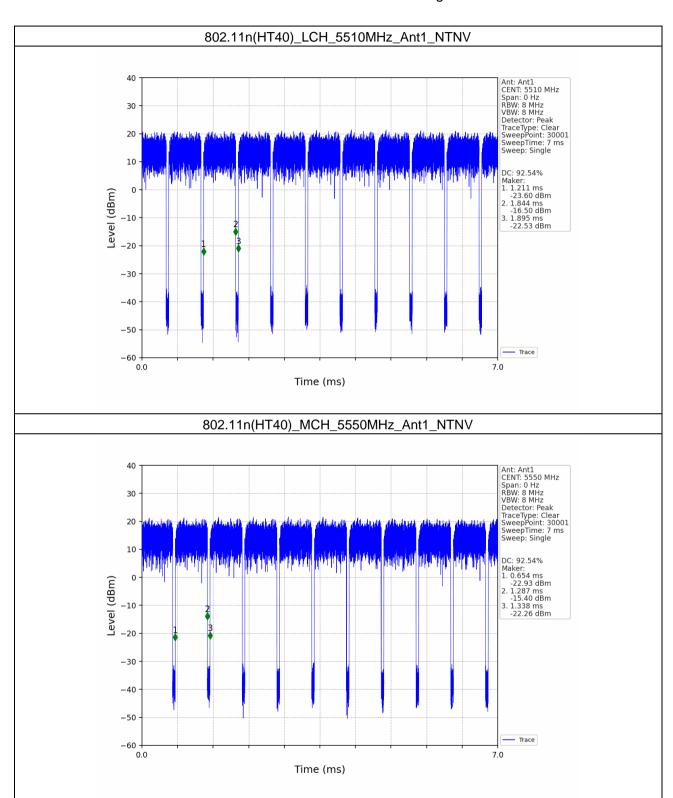
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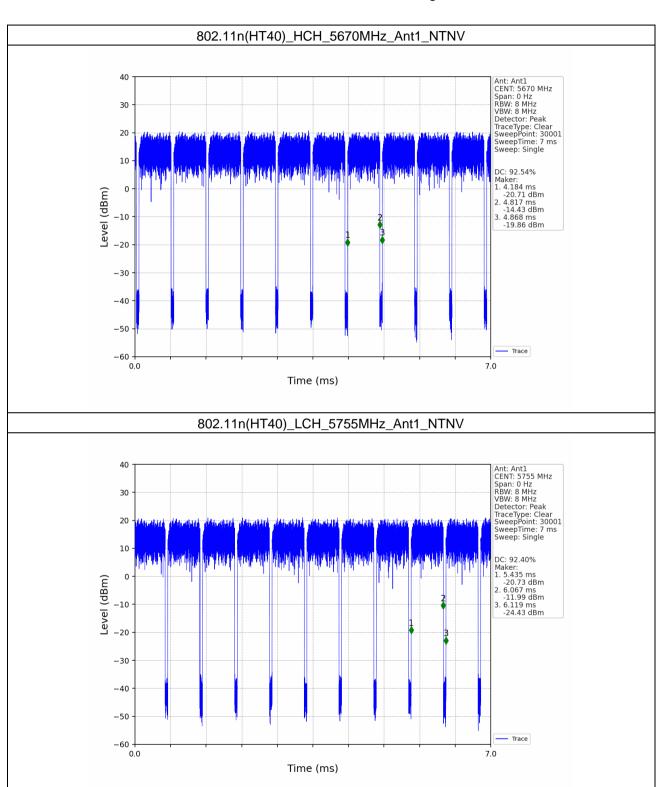
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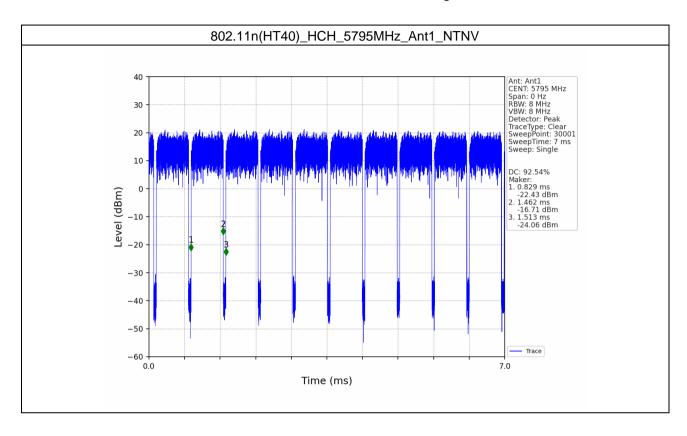
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2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)		Vordict
				Result	Limit	Verdict
		5180	1	16.810	/	Pass
		5200	1	16.815	/	Pass
		5240	1	16.819	/	Pass
		5260	1	16.828	/	Pass
		5300	1	16.811	/	Pass
000 446	SISO	5320	1	16.811	/	Pass
802.11a	5150	5500	1	16.827	/	Pass
		5580	1	16.796	/	Pass
		5700	1	16.809	/	Pass
		5745	1	16.831	/	Pass
		5785	1	16.830	/	Pass
		5825	1	16.842	/	Pass
		5180	1	17.818	/	Pass
	SISO	5200	1	17.827	/	Pass
		5240	1	17.820	/	Pass
		5260	1	17.824	/	Pass
		5300	1	17.835	/	Pass
802.11n		5320	1	17.812	/	Pass
(HT20)		5500	1	17.820	/	Pass
		5580	1	17.845	/	Pass
		5700	1	17.855	/	Pass
		5745	1	17.854	/	Pass
		5785	1	17.835	/	Pass
		5825	1	17.865	/	Pass
	SISO	5190	1	35.211	/	Pass
802.11n (HT40)		5230	1	35.190	/	Pass
		5270	1	35.190	/	Pass
		5310	1	35.210	/	Pass
(11140)		5510	1	35.223	/	Pass
		5550	1	35.211		Pass
		5670	1	35.238	/	Pass



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5755	1	35.240	/	Pass
5795	1	35.247	/	Pass

2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	verdict
802.11a	SISO	5745	1	15.114	>=0.5	Pass
		5785	1	15.110	>=0.5	Pass
		5825	1	15.061	>=0.5	Pass
802.11n (HT20)	SISO	5745	1	15.123	>=0.5	Pass
		5785	1	15.101	>=0.5	Pass
		5825	1	15.111	>=0.5	Pass
802.11n (HT40)	SISO	5755	1	31.293	>=0.5	Pass
		5795	1	30.100	>=0.5	Pass

2.1.3 26dB BW

Mada	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)		Mondial
Mode				Result	Limit	Verdict
		5180	1	19.077	/	Pass
		5200	1	19.136	/	Pass
		5240	1	19.071	/	Pass
		5260	1	19.049	/	Pass
802.11a	SISO	5300	1	19.113	/	Pass
		5320	1	19.131	/	Pass
		5500	1	19.037	/	Pass
		5580	1	19.082	/	Pass
		5700	1	19.026	/	Pass
	SISO	5180	1	19.861	/	Pass
		5200	1	20.093	/	Pass
		5240	1	19.928	/	Pass
		5260	1	20.026	/	Pass
802.11n (HT20)		5300	1	20.064	/	Pass
(11120)		5320	1	20.078	1	Pass
		5500	1	20.046	1	Pass
		5580	1	20.067	1	Pass
		5700	1	20.015	/	Pass
	SISO	5190	1	38.090	1	Pass
802.11n (HT40)		5230	1	38.062	/	Pass
(11140)		5270	1	38.044	/	Pass



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5310	1	38.089	/	Pass
5510	1	38.023	/	Pass
5550	1	37.990	/	Pass
5670	1	38.080	/	Pass



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