

SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230800255903

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TEST REPORT

Application No.: SZCR2308002559AT

Applicant: SZ DJI TECHNOLOGY CO., LTD.

Address of Applicant: Lobby of T2, DJI Sky City, No. 53 Xianyuan Road, Xili Community, Xili

Street, Nanshan District, Shenzhen, China.

Manufacturer: SZ DJI TECHNOLOGY CO., LTD.

Address of Manufacturer: Lobby of T2, DJI Sky City, No. 53 Xianyuan Road, Xili Community, Xili

Street, Nanshan District, Shenzhen, China.

Equipment Under Test (EUT):

EUT Name: DJI FlyCart 30 Model No.: E2MTR-30A

Trade Mark: DJI

FCC ID: SS3-E2MTR2302

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

Date of Receipt: 2023-08-08

2023-08-18 to 2023-09-08 Date of Test:

Date of Issue: 2023-09-18

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	Chapter	Date	Modifier	Remark			
01		2023-09-18		Original			

Authorized for issue by:		
	Darren Yuan	
	Darren Yuan/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			

Radio Spectrum Matter Part						
Item	Standard	Method	Requirement	Result		
Duty Cycle		KDB 789033 II B 1	KDB 789033 D02 II B 1	Pass		
99% Bandwidth		KDB 789033 II D	N/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		
Maximum Conducted output power		KDB 789033 D02 II E	47 CFR Part 15, Subpart E 15.407 (a)	Pass		
Peak Power spectrum density		KDB 789033 D02 II F	47 CFR Part 15, Subpart E 15.407 (a)	Pass		
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart E 15.407	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 (Below 1GHz)		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass		
Frequency Stability		ANSI C63.10 (2013) Section 6.8	47 CFR Part 15, Subpart E 15.407 (g)	Pass		



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General Information

Details of E.U.T. 4.1

 Dotallo of Elotti	
	Powered by Lithium-Ion Polymer Rechargeable Battery
	Battery Information
Power supply:	Model: BAX101-38000mAh-52.22V
	Nominal Voltage: 52.22V
	Rated Capacity: 38000mAh, 1984.4Wh
	1.4MHz: 5728.5MHz-5846.5MHz and 5730.12MHz-5848.12MHz
	3MHz: 5727.5MHz-5844.5MHz and 5730.2MHz-5847.2MHz
Operation Frequency:	10MHz: 5730.5MHz-5844.5MHz
	20MHz: 5735.5MHz-5839.5MHz
	40MHz: 5745.5MHz-5829.5MHz
Modulation Type:	OFDM
	1.4MHz: 2MHz
	3MHz: 3MHz
Channel Spacing:	10MHz: 1MHz
	20MHz: 1MHz
	40MHz: 1MHz
	1.4MHz: 120
	3MHz: 80
Number of Channels:	10MHz: 115
	20MHz: 105
	40MHz: 85
Antenna Type:	PIFA Antenna
Antenna Gain:	ANT0&ANT1&ANT2&ANT3: 4dBi

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.						



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4.3 Measurement Uncertainty

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

Duty Cycle					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2022-10-20	2023-10-19
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2022-09-29	2023-09-28
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2023-07-07	2024-07-06
Attenuator	Huber+Suhner	6620_SMA-50- 1	SEM021-09	2023-03-31	2024-03-30
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2023-03-21	2024-03-20

99% Bandwidth					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2022-10-20	2023-10-19
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2022-09-29	2023-09-28
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2023-07-07	2024-07-06
Attenuator	Huber+Suhner	6620_SMA-50- 1	SEM021-09	2023-03-31	2024-03-30
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2023-03-21	2024-03-20

Minimum 6 dB bandwidth (5.725-5.85 GHz band)						
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2022-10-20	2023-10-19	
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20	
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2022-09-29	2023-09-28	
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A	
Coaxial Cable	SGS	N/A	SEM031-01	2023-07-07	2024-07-06	
Attenuator	Huber+Suhner	6620_SMA-50- 1	SEM021-09	2023-03-31	2024-03-30	
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2023-03-21	2024-03-20	



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Maximum Conducted output power						
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	
Power Sensor	TST PASS	TSPS2023R	SEM009-26	2023-04-01	2024-03-31	
Power Sensor	KEYSIGHT	U2021XA	SEM009-16	2023-03-21	2024-03-20	
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2022-10-20	2023-10-19	
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20	
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2022-09-29	2023-09-28	
Measurement Software	ement Software TST PASS		N/A	N/A	N/A	
Coaxial Cable	SGS	N/A	SEM031-01	2023-07-07	2024-07-06	
Attenuator	Huber+Suhner	6620_SMA-50- 1	SEM021-09	2023-03-31	2024-03-30	
Programmable Votsch Temperature & Humidity Industrietechnik Chamber GmbH		VT 4002	SEM002-15	2023-03-21	2024-03-20	

Peak Power spectrum density						
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2022-10-20	2023-10-19	
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20	
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2022-09-29	2023-09-28	
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A	
Coaxial Cable	SGS	N/A	SEM031-01	2023-07-07	2024-07-06	
Attenuator	Huber+Suhner	6620_SMA-50- 1	SEM021-09	2023-03-31	2024-03-30	
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2023-03-21	2024-03-20	

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2023-04-01	2026-03-31
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2023-03-20	2024-03-19
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2023-07-23	2025-07-22
Microwave system amplifier	Agilent	83017A	SEM005-25	2022-09-21	2023-09-20
Measurement Software	ent Software AUDIX		N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2023-07-07	2024-07-06



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Radiated Emissions (Above 1GHz)						
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	
3m Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2023-04-01	2026-03-31	
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2023-03-20	2024-03-19	
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2023-07-23	2025-07-22	
Broad-Band Horn Antenna	Schwarzbeck	BBHA9170	SEM003-15	2022-08-10	2025-08-09	
Microwave system amplifier	Agilent	83017A	SEM005-25	2022-09-21	2023-09-20	
Pre-amplifier	Compliance Directions Systems Inc	PAP-2640-50	SEM005-08	2023-03-20	2024-03-19	
Measurement Software	AUDIX	e3 V8.2014-6- 27	N/A	N/A	N/A	
Coaxial Cable	SGS	N/A	SEM026-01	2023-07-07	2024-07-06	

Radiated Emissions (Below 1GHz)						
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	
10m Semi-Anechoic Chamber	SAEMC	FSAC1018	SEM001-03	2021-03-27	2024-03-26	
MXE EMI receiver	KEYSIGHT	N9038A	SEM004-16	2022-10-20	2023-10-19	
Trilog-Broadband Antenna	Schwarzbeck	VULB9168	SEM003-18	2021-10-28	2023-10-27	
Pre-amplifier	Sonoma Instrument Co	310N	SEM005-04	2023-03-31	2024-03-30	
Loop Antenna	ETS-Lindgren	6502	SEM003-08	2021-11-30	2023-11-29	
Measurement Software	nent Software AUDIX		N/A	N/A	N/A	
Coaxial Cable	SGS	N/A	SEM029-01	2023-07-07	2024-07-06	



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Frequency Stability						
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date	
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2022-10-20	2023-10-19	
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20	
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2022-09-29	2023-09-28	
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A	
Coaxial Cable	Coaxial Cable SGS		SEM031-01	2023-07-07	2024-07-06	
Attenuator	Attenuator Huber+Suhner		SEM021-09	2023-03-31	2024-03-30	
Programmable Votsch Temperature & Humidity Industrietechnik Chamber GmbH		VT 4002	SEM002-15	2023-03-21	2024-03-20	

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



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Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

6.1.2 Conclusion

Standard Requirement:

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

15.247(b) (4) requirement:

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

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is ANT0&ANT1&ANT2&ANT3: 4dBi, the directional gain is 7.01dBi.

Antenna location: Refer to internal photo.



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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:

SDR 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

7.1 Duty Cycle

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

7.1.1 E.U.T. Operation

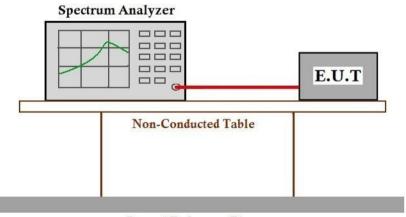
Operating Environment:

Temperature: 25.3 °C Humidity: 52.7 % RH Atmospheric Pressure: 1000 mbar

7.1.2 Test Mode Description

7.112 100t mede 2000 phon				
Pre-scan / Final test	Mode Code	Description		
Final test	05	TX mode (1.4M)_Keep the EUT in transmitting mode.		
Final test	06	TX mode (3M)_Keep the EUT in transmitting mode.		
Final test	07	TX mode (10M)_Keep the EUT in transmitting mode.		
Final test	08	TX mode (20M)_Keep the EUT in transmitting mode.		
Final test	09	TX mode (40M)_Keep the EUT in transmitting mode.		

7.1.3 Test Setup Diagram



Ground Reference Plane

7.1.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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7.2 99% Bandwidth

Test Requirement N/A

Test Method: KDB 789033 II D

7.2.1 E.U.T. Operation

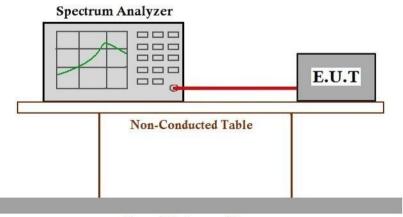
Operating Environment:

Temperature: 25.3 °C Humidity: 52.7 % RH Atmospheric Pressure: 1000 mbar

7.2.2 Test Mode Description

7.2.2 Test mode bescription				
Pre-scan / Final test	Mode Code	Description		
Final test	05	TX mode (1.4M)_Keep the EUT in transmitting mode.		
Final test	06	TX mode (3M)_Keep the EUT in transmitting mode.		
Final test	07	TX mode (10M)_Keep the EUT in transmitting mode.		
Final test	08	TX mode (20M)_Keep the EUT in transmitting mode.		
Final test	09	TX mode (40M)_Keep the EUT in transmitting mode.		

7.2.3 Test Setup Diagram



Ground Reference Plane

7.2.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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7.3 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

7.3.1 E.U.T. Operation

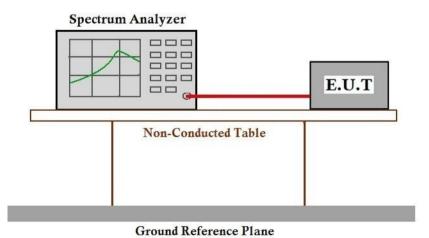
Operating Environment:

Temperature: 25.3 °C Humidity: 52.7 % RH Atmospheric Pressure: 1000 mbar

7.3.2 Test Mode Description

Tiol Tool mode Decemption				
Pre-scan / Final test	Mode Code	Description		
Final test	05	TX mode (1.4M)_Keep the EUT in transmitting mode.		
Final test	06	TX mode (3M)_Keep the EUT in transmitting mode.		
Final test	07	TX mode (10M)_Keep the EUT in transmitting mode.		
Final test	08	X mode (20M)_Keep the EUT in transmitting mode.		
Final test	09	TX mode (40M)_Keep the EUT in transmitting mode.		

7.3.3 Test Setup Diagram



7.3.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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7.4 Maximum Conducted output power

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

Test Method: KDB 789033 D02 II E

Limit:

Frequenc	y band(MHz)	Limit
5150-5	350	≤1W(30dBm) for master device
5150-5	0250	≤250mW(24dBm) for client device
5250-5	350	≤250mW(24dBm) or 11dBm+10logB*
5470-5	5725	≤250mW(24dBm) or 11dBm+10logB*
5725-5	850	≤1W(30dBm)
Remark:	* Where B is the	e 26dB emission bandwidth in MHz.
	The maximum conducted output power must be measured over any intervor of continuous transmission using instrumentation calibrated in terms of a rms-equivalent voltage.	

7.4.1 E.U.T. Operation

Operating Environment:

25.3 °C Temperature: Humidity: 52.7 % RH Atmospheric Pressure: 1000 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	TX mode (1.4M)_Keep the EUT in transmitting mode.
Final test	06	TX mode (3M)_Keep the EUT in transmitting mode.
Final test	07	TX mode (10M)_Keep the EUT in transmitting mode.
Final test	08	TX mode (20M)_Keep the EUT in transmitting mode.
Final test	09	TX mode (40M)_Keep the EUT in transmitting mode.



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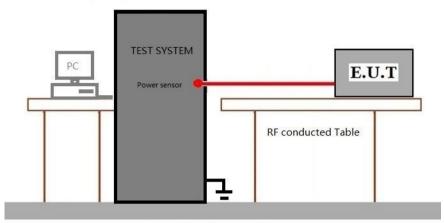


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7.4.3 Test Setup Diagram



Ground Reference Plane

7.4.4 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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7.5 Peak Power spectrum density

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

Test Method: KDB 789033 D02 II F

Limit:

Frequenc	y band(MHz)	Limit				
5150 F	250	≤17dBm in 1MHz for master device				
5150-5	0250	≤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				

7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 25.3 °C Humidity: 52.7 % RH Atmospheric Pressure: 1000 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	TX mode (1.4M)_Keep the EUT in transmitting mode.
Final test	06	TX mode (3M)_Keep the EUT in transmitting mode.
Final test	07	TX mode (10M)_Keep the EUT in transmitting mode.
Final test	08	TX mode (20M)_Keep the EUT in transmitting mode.
Final test	09	TX mode (40M)_Keep the EUT in transmitting mode.



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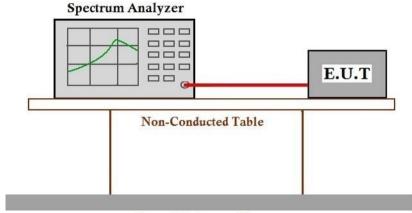


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7.5.3 Test Setup Diagram



Ground Reference Plane

7.5.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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7.6 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.

7.6.1 E.U.T. Operation

Operating Environment:

23.7 °C Humidity: 43.6 % RH Temperature: Atmospheric Pressure: 1000 mbar



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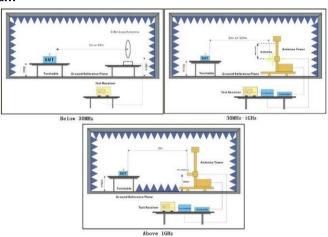
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7.6.2 Test Mode Description

		•						
Pre-scan /	Mode	escription						
Final test	Code							
Final test	05	TX mode (1.4M)_Keep the EUT in transmitting mode.						
Final test	06	TX mode (3M)_Keep the EUT in transmitting mode.						
Final test	07	TX mode (10M)_Keep the EUT in transmitting mode.						
Final test	08	TX mode (20M)_Keep the EUT in transmitting mode.						
Final test	09	TX mode (40M)_Keep the EUT in transmitting mode.						

7.6.3 Test Setup Diagram





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7.6.4 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.
- i. Repeat above procedures until all frequencies measured was complete.

Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor



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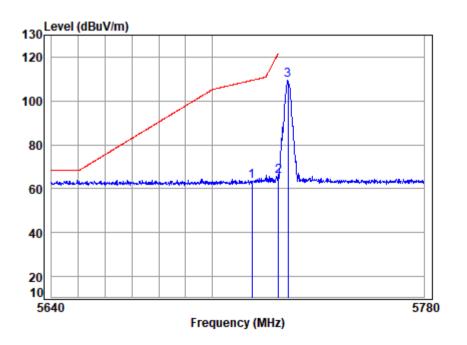


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Test Mode: 05; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber

Condition: 3m HORIZONTAL Job No : 02559AT/02560AT Mode : 5728.5 Band edge

: 5.8G SDR 1.4M

	00 3011	±						
	Cable	Ant	Preamp	Read		Limit	0ver	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q 5715.000	7.97	34.50	35.02	56.08	63.53	109.40	-45.87	peak
2 5725.000								
3 5728.500								•



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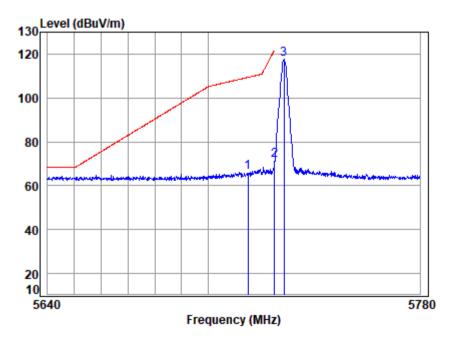


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Test Mode: 05; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber Condition: 3m VERTICAL

Job No : 02559AT/02560AT Mode : 5728.5 Band edge

: 5.8G SDR 1.4M

	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	
4 5745 000	7.07	24.50	25.00	50.50		400 40	42.26	
1 q 5715.000	7.97	34.50	35.02	58.59	66.04	109.40	-43.36	реак
2 5725.000	7.98	34.50	35.02	64.03	71.49	122.20	-50.71	peak
3 5728 500	7 98	34 50	35 02	110 11	117 57			neak



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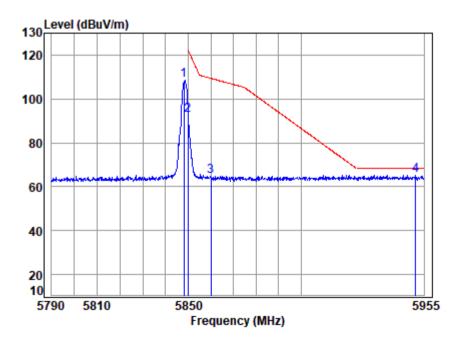


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Test Mode: 05; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber

Condition: 3m HORIZONTAL
Job No : 02559AT/02560AT
Mode : 5848.12 Band edge

: 5.8G SDR 1.4M

		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	5848.120	8.07	34.70	35.03	100.91	108.65			peak
2	5850.000	8.07	34.70	35.03	84.94	92.68	122.20	-29.52	peak
3	5860.000	8.07	34.72	35.03	56.78	64.54	109.40	-44.86	peak
4 0	5951.320	8.14	34.90	35.04	57.29	65.29	68.20	-2.91	neak



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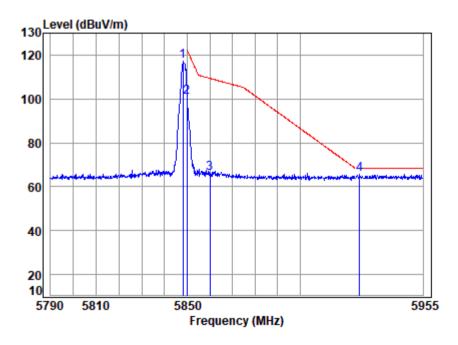


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Test Mode: 05; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber Condition: 3m VERTICAL

Job No : 02559AT/02560AT Mode : 5848.12 Band edge

: 5.8G SDR 1.4M

		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	5848.120	8.07	34.70	35.03	109.57	117.31			peak
2	5850.000	8.07	34.70	35.03	92.87	100.61	122.20	-21.59	peak
3	5860.000	8.07	34.72	35.03	58.46	66.22	109.40	-43.18	peak
4 a	5926,622	8.12	34.85	35.04	57.69	65.62	68.20	-2.58	neak



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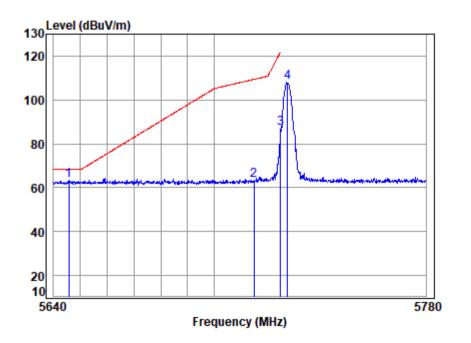


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Test Mode: 06; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber

Condition: 3m HORIZONTAL Job No : 02559AT/02560AT Mode : 5727.5 Band edge

: 5.8G SDR 3M

	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
-	MHz	dB	dB/m	——dB	dBuV	dBuV/m	dBuV/m	——dB	
1 q	5645.673	7.92	34.50	35.02	55.79	63.19	68.20	-5.01	peak
2	5715.000	7.97	34.50	35.02	55.72	63.17	109.40	-46.23	peak
3	5725.000	7.98	34.50	35.02	79.61	87.07	122.20	-35.13	peak
4	5727.500	7.98	34.50	35.02	100.78	108.24			peak



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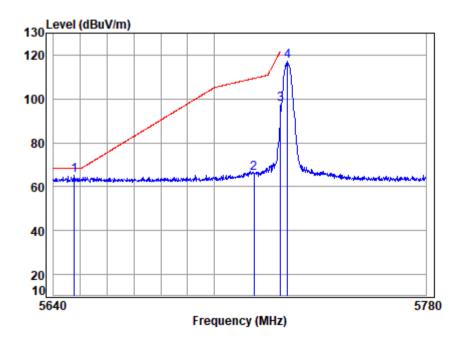


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Test Mode: 06; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber Condition: 3m VERTICAL

Job No : 02559AT/02560AT Mode : 5727.5 Band edge

: 5.8G SDR 3M

	Freq						Limit Line		Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
	q 5647.750								-
2	5715.000	7.97	34.50	35.02	58.85	66.30	109.40	-43.10	peak
}	5725.000	7.98	34.50	35.02	90.13	97.59	122.20	-24.61	peak
L	5727 500	7 98	34 50	35 02	109 94	117 40			neak



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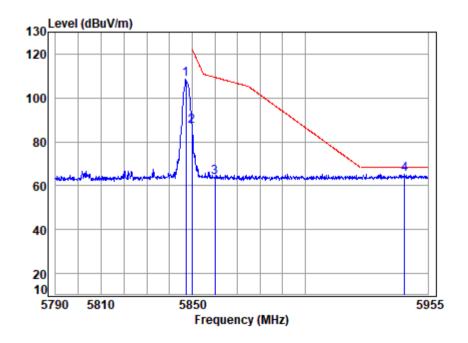


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Test Mode: 06; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber

Condition: 3m HORIZONTAL Job No : 02559AT/02560AT Mode : 5847.2 Band edge

: 5.8G SDR 3M

		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	5847.200	8.07	34.69	35.03	100.94	108.67			peak
2	5850.000	8.07	34.70	35.03	79.53	87.27	122.20	-34.93	peak
3	5860.000	8.07	34.72	35.03	55.89	63.65	109.40	-45.75	peak
4 a	5944.468	8.13	34.89	35.04	57.14	65.12	68.20	-3.08	neak



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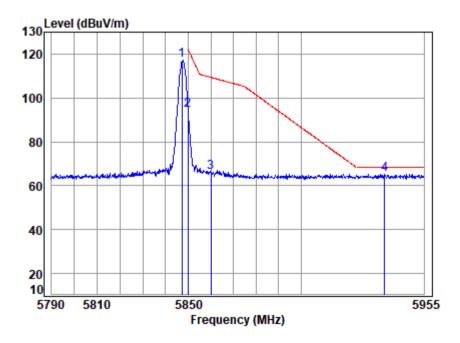


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Report No.: SZCR230800255903

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Test Mode: 06; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber Condition: 3m VERTICAL

Job No : 02559AT/02560AT Mode : 5847.2 Band edge

: 5.8G SDR 3M

		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	5847.200	8.07	34.69	35.03	109.70	117.43			peak
2	5850.000	8.07	34.70	35.03	86.50	94.24	122.20	-27.96	peak
3	5860.000	8.07	34.72	35.03	58.47	66.23	109.40	-43.17	peak
4 a	5937.457	8.13	34.87	35.04	57.42	65.38	68.20	-2.82	neak



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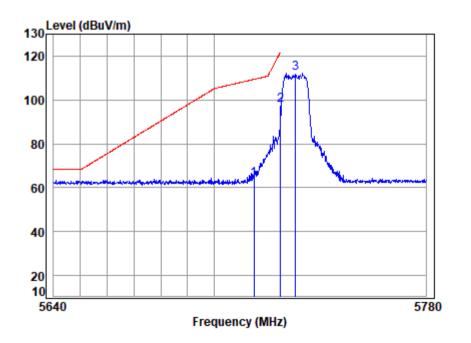


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Test Mode: 07; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber

Condition: 3m HORIZONTAL Job No : 02559AT/02560AT Mode : 5730.5 Band edge

: 5.8G SDR 10M

	00 3011	1011							
	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 5715.000	7.97	34.50	35.02	56.31	63.76	109.40	-45.64	peak	
2 q 5725.000	7.98	34.50	35.02	90.19	97.65	122.20	-24.55	peak	
5730.500	7.98	34.50	35.02	104.74	112,20			peak	



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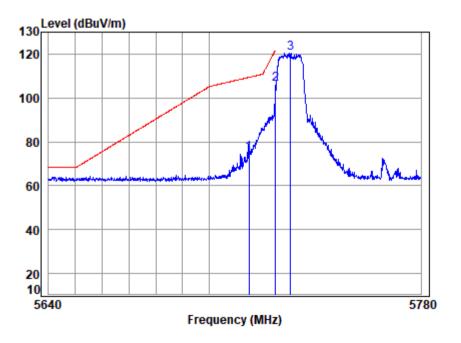


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Test Mode: 07; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber Condition: 3m VERTICAL

Job No : 02559AT/02560AT Mode : 5730.5 Band edge

: 5.8G SDR 10M

	Freq						Limit Line		Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
	5715.000	7.97	34.50	35.02	67.31	74.76	109.40	-34.64	peak
2	q 5725.000	7.98	34.50	35.02	98.94	106.40	122.20	-15.80	peak
	5730, 500	7 98	34 50	35 02	113 09	120 55			neak



1 2

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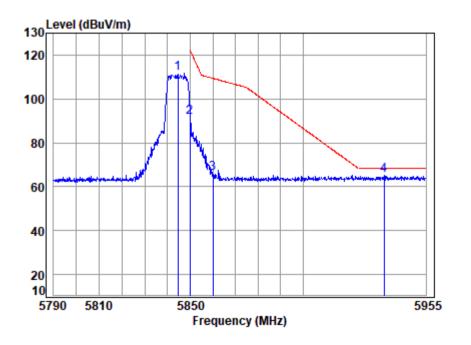


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Test Mode: 07; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber

Condition: 3m HORIZONTAL
Job No : 02559AT/02560AT
Mode : 5844.5 Band edge

: 5.8G SDR 10M

		00 3011	1011						
		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	5844.500	8.06	34.69	35.03	104.16	111.88			peak
2	5850.000	8.07	34.70	35.03	84.16	91.90	122.20	-30.30	peak
3	5860.000	8.07	34.72	35.03	58.44	66.20	109.40	-43.20	peak
4	a 5936,122	8.13	34.87	35.04	57.06	65.02	68.20	-3.18	neak



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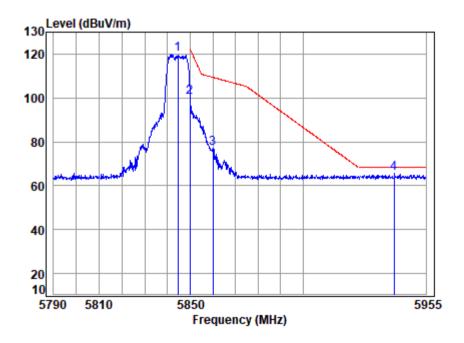


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Report No.: SZCR230800255903

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Test Mode: 07; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber Condition: 3m VERTICAL

Job No : 02559AT/02560AT Mode : 5844.5 Band edge

: 5.8G SDR 10M

		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	5844.500	8.06	34.69	35.03	112.10	119.82			peak
2	5850.000	8.07	34.70	35.03	92.57	100.31	122.20	-21.89	peak
3	5860.000	8.07	34.72	35.03	69.11	76.87	109.40	-32.53	peak
4 a	5940.794	8.13	34.88	35.04	57.75	65.72	68.20	-2 48	neak



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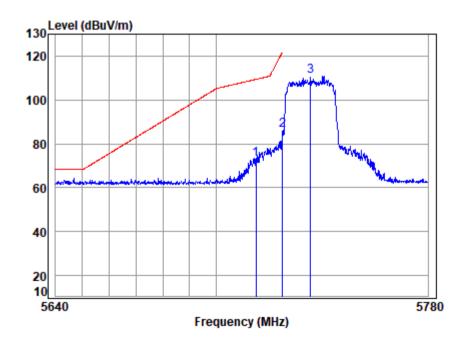


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Test Mode: 08; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber

Condition: 3m HORIZONTAL Job No : 02559AT/02560AT Mode : 5735.5 Band edge

: 5.8G SDR 20M

		00 3011	2011						
		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	
	5715.000	7.97	34.50	35.02	65.64	73.09	109.40	-36.31	peak
2 q	5725.000	7.98	34.50	35.02	78.94	86.40	122.20	-35.80	peak
}	5735.500	7.99	34.50	35.03	103.19	110.65			peak



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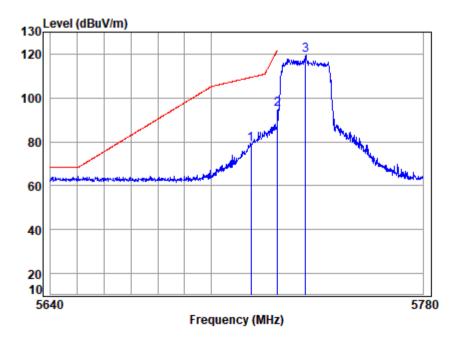


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Test Mode: 08; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber Condition: 3m VERTICAL

Job No : 02559AT/02560AT Mode : 5735.5 Band edge

: 5.8G SDR 20M

	. 5.00 55% 20%												
			Cable	Ant	Preamp	Read		Limit	0ver				
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark			
	_												
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB				
1		5715.000	7.97	34.50	35.02	71.56	79.01	109.40	-30.39	peak			
2	q	5725.000	7.98	34.50	35.02	87.26	94.72	122.20	-27.48	peak			
3		5735,500	7.99	34.50	35.03	112.27	119.73			neak			



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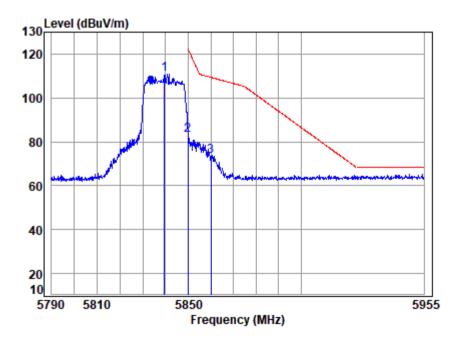


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Test Mode: 08; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber

Condition: 3m HORIZONTAL Job No : 02559AT/02560AT Mode : 5839.5 Band edge

: 5.8G SDR 20M

. 3.00 35K 20H											
			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	5839.500	8.06	34.68	35.03	103.05	110.76			peak	
	2	5850.000	8.07	34.70	35.03	75.34	83.08	122.20	-39.12	peak	
	3	a 5860,000	8.07	34.72	35.03	65.71	73.47	109.40	-35.93	neak	



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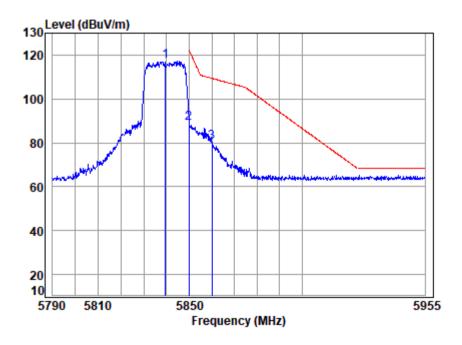


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Test Mode: 08; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber Condition: 3m VERTICAL

Job No : 02559AT/02560AT Mode : 5839.5 Band edge

: 5.8G SDR 20M

		JU 2011	2011							
		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	5839.500	8.06	34.68	35.03	109.34	117.05			peak	
2	5850.000	8.07	34.70	35.03	81.28	89.02	122.20	-33.18	peak	
3	a 5860.000	8.07	34.72	35.03	72.59	80.35	109.40	-29.05	peak	



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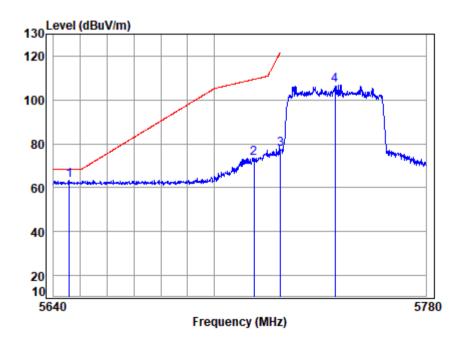


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Test Mode: 09; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber

Condition: 3m HORIZONTAL Job No : 02559AT/02560AT Mode : 5745.5 Band edge

: 5.8G SDR 40M

1 3:00 351(401)										
			Cable	Ant	Preamp	Read		Limit	0ver	
		Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	_									
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
	1 q	5645.950	7.92	34.50	35.02	55.95	63.35	68.20	-4.85	peak
	2	5715.000	7.97	34.50	35.02	65.85	73.30	109.40	-36.10	peak
	3	5725.000	7.98	34.50	35.02	69.99	77.45	122.20	-44.75	peak
	4	5745.500	7.99	34.50	35.03	99.19	106.65			peak



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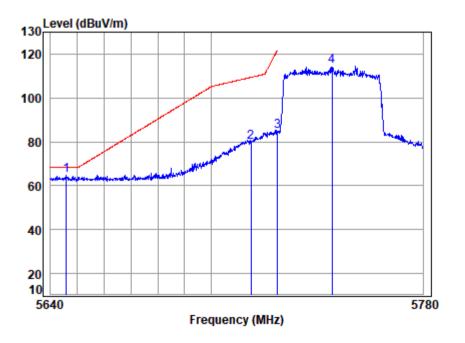


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Test Mode: 09; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber Condition: 3m VERTICAL

Job No : 02559AT/02560AT Mode : 5745.5 Band edge

: 5.8G SDR 40M

	יועכ טט	7011						
	Cable	Ant	Preamp	Read		Limit	0ver	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q 5645.950	7.92	34.50	35.02	57.16	64.56	68.20	-3.64	peak
2 5715.000	7.97	34.50	35.02	72.41	79.86	109.40	-29.54	peak
3 5725.000	7.98	34.50	35.02	77.47	84.93	122.20	-37.27	peak
4 5745.500	7.99	34.50	35.03	106.90	114.36			peak



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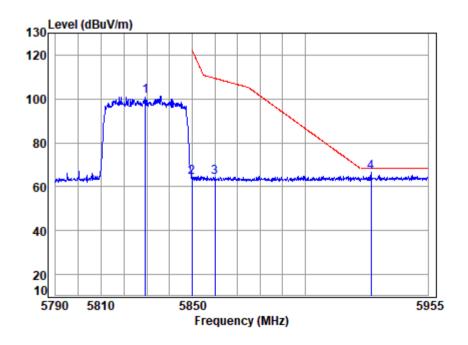


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Test Mode: 09; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber

Condition: 3m HORIZONTAL Job No : 02559AT/02560AT Mode : 5829.5 Band edge

: 5.8G SDR 40M

		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	5829.500	8.05	34.66	35.03	93.78	101.46			peak
2	5850.000	8.07	34.70	35.03	56.74	64.48	122.20	-57.72	peak
3	5860.000	8.07	34.72	35.03	56.36	64.12	109.40	-45.28	peak
4 a	5929.620	8 12	34 86	35 04	58 61	66 55	68 20	-1 65	neak



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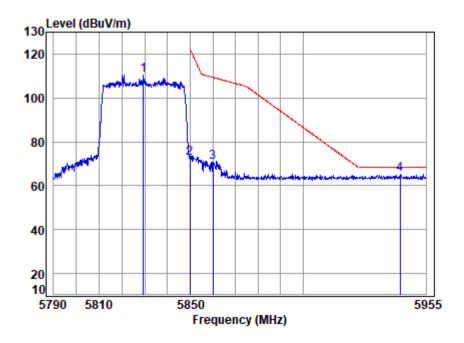


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Test Mode: 09; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber Condition: 3m VERTICAL

Job No : 02559AT/02560AT Mode : 5829.5 Band edge

: 5.8G SDR 40M

		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	5829.500	8.05	34.66	35.03	102.82	110.50			peak
2	5850.000	8.07	34.70	35.03	64.90	72.64	122.20	-49.56	peak
3	5860.000	8.07	34.72	35.03	62.71	70.47	109.40	-38.93	peak
4 0	5943.465	8.13	34.89	35.04	57.36	65.34	68.20	-2.86	neak



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7.7 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	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.

7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 23.7 °C Humidity: 43.4 % RH Atmospheric Pressure: 1000 mbar



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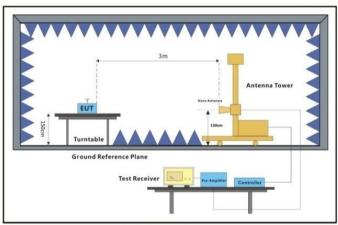
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7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	TX mode (1.4M)_Keep the EUT in transmitting mode.
Pre-scan	06	TX mode (3M)_Keep the EUT in transmitting mode.
Final test	07	TX mode (10M)_Keep the EUT in transmitting mode.
Pre-scan	08	TX mode (20M)_Keep the EUT in transmitting mode.
Pre-scan	TX mode (40M)_Keep the EUT in transmitting mode.	

7.7.3 Test Setup Diagram



Above 1GHz



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7.7.4 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.



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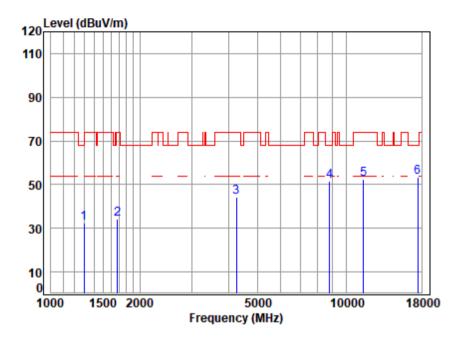


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Test Mode: 05; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber

Condition: 3m HORIZONTAL : 02559AT/02560AT Mode : 5728.5 TX RSE Note : 5.8G SDR 1.4M

		JU 2011	I . TI						
		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	1293.359	3.74	24.67	37.43	41.56	32.54	68.20	-35.66	peak
2	1677.621	4.30	26.76	36.45	39.64	34.25	74.00	-39.75	peak
3	4242.641	6.95	33.57	34.50	38.30	44.32	74.00	-29.68	peak
4	8789.516	11.55	36.70	35.62	38.76	51.39	68.20	-16.81	peak
5	11457.000	12.99	37.96	36.27	37.63	52.31	74.00	-21.69	peak
	q17485.500								



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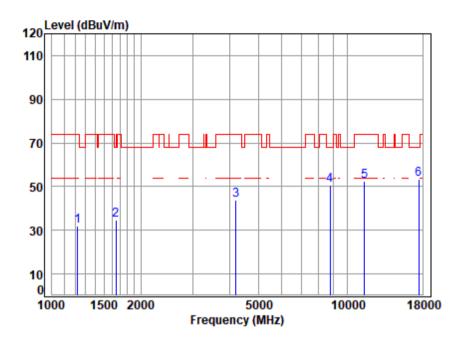


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Test Mode: 05; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber

Condition: 3m VERTICAL

: 02559AT/02560AT Mode : 5728.5 TX RSE : 5.8G SDR 1.4M Note

O C		אשב שם	1.40							
		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	1224.247	3.62	24.45	37.64	41.63	32.06	74.00	-41.94	peak	
2	1648.778	4.26	26.70	36.52	40.31	34.75	68.20	-33.45	peak	
3	4193.872	6.92	33.36	34.47	38.20	44.01	74.00	-29.99	peak	
4	8764.146	11.51	36.70	35.63	38.01	50.59	68.20	-17.61	peak	
5	11457.000	12.99	37.96	36.27	37.62	52.30	74.00	-21.70	peak	
6	q17485.500	14.85	43.59	37.44	32.23	53.23	68.20	-14.97	peak	



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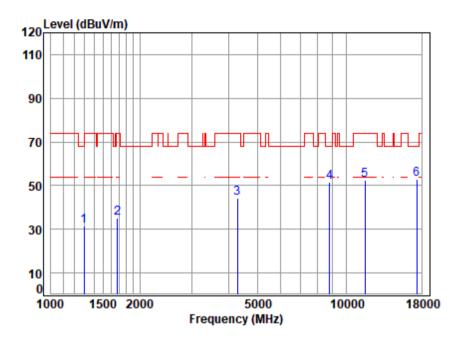


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Test Mode: 05; Polarity: Horizontal; Modulation: OFDM; Channel: middle



Site : chamber

Condition: 3m HORIZONTAL : 02559AT/02560AT Mode : 5788.5 TX RSE Note : 5.8G SDR 1.4M

		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	1293.359	3.74	24.67	37.43	40.43	31.41	68.20	-36.79	peak	
2	1682.477	4.31	26.77	36.44	40.48	35.12	74.00	-38.88	peak	
3	4291.977	6.99	33.60	34.54	38.23	44.28	74.00	-29.72	peak	
4	8789.516	11.55	36.70	35.62	38.80	51.43	68.20	-16.77	peak	
5	11577.000	13.01	38.00	36.34	37.93	52.60	74.00	-21.40	peak	
6	q17365.500	14.78	43.47	37.45	32.35	53.15	68.20	-15.05	peak	



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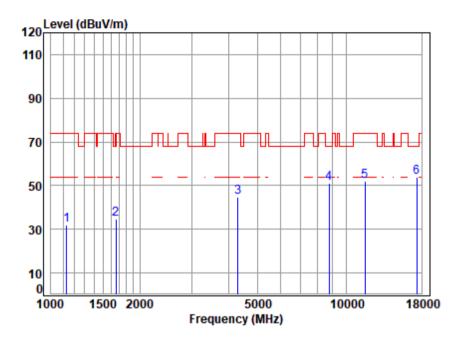


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Test Mode: 05; Polarity: Vertical; Modulation: OFDM; Channel: middle



Site : chamber

Condition: 3m VERTICAL

: 02559AT/02560AT Mode : 5788.5 TX RSE : 5.8G SDR 1.4M Note

000		אושב מט	1.40						
		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	1132.340	3.46	24.13	37.93	42.37	32.03	74.00	-41.97	peak
2	1658.337	4.28	26.72	36.50	40.18	34.68	68.20	-33.52	peak
3	4304.400	6.99	33.60	34.54	38.47	44.52	74.00	-29.48	peak
4	8764.146	11.51	36.70	35.63	38.65	51.23	68.20	-16.97	peak
5	11577.000	13.01	38.00	36.34	37.51	52.18	74.00	-21.82	peak
6	q17365.500	14.78	43.47	37.45	32.90	53.70	68.20	-14.50	peak



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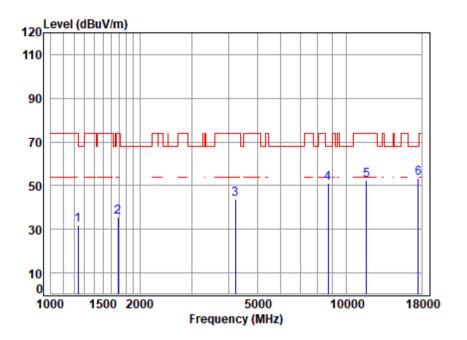


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Report No.: SZCR230800255903

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Test Mode: 05; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber

Condition: 3m HORIZONTAL : 02559AT/02560AT Mode : 5848.12 TX RSE Note : 5.8G SDR 1.4M

		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	3.64	24.47	37.61	41.24	31.74	74.00	-42.26	peak
2	1687.347	4.31	26.77	36.43	40.73	35.38	74.00	-38.62	peak
3	4218.186	6.93	33.47	34.48	38.06	43.98	74.00	-30.02	peak
4	8688.480	11.38	36.68	35.68	38.77	51.15	68.20	-17.05	peak
5	11696.240	13.03	38.00	36.41	37.86	52.48	74.00	-21.52	peak
6	q17544.360	14.89	43.64	37.43	32.34	53.44	68.20	-14.76	peak



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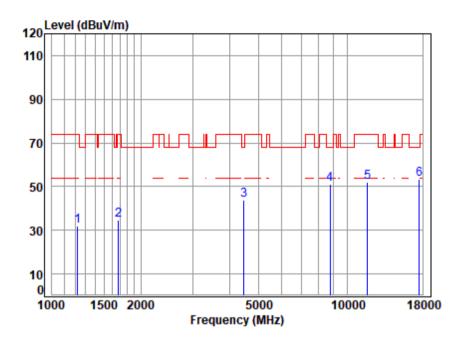


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Report No.: SZCR230800255903

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Test Mode: 05; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber

Condition: 3m VERTICAL

: 02559AT/02560AT Mode : 5848.12 TX RSE Note : 5.8G SDR 1.4M

	00 JUN	1.70						
	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	
1220.714	3.62	24.44	37.65	41.39	31.80	74.00	-42.20	peak
1677.621	4.30	26.76	36.45	40.23	34.84	74.00	-39.16	peak
4469.214	7.10	33.50	34.65	38.07	44.02	68.20	-24.18	peak
8764.146	11.51	36.70	35.63	38.36	50.94	68.20	-17.26	peak
11696.240	13.03	38.00	36.41	37.54	52.16	74.00	-21.84	peak
q17544.360	14.89	43.64	37.43	32.39	53.49	68.20	-14.71	peak
	MHz 1220.714 1677.621 4469.214 8764.146 11696.240	Freq Loss MHz dB 1220.714 3.62 1677.621 4.30 4469.214 7.10 8764.146 11.51 11696.240 13.03	Freq Loss Factor MHz dB dB/m 1220.714 3.62 24.44 1677.621 4.30 26.76 4469.214 7.10 33.50 8764.146 11.51 36.70 11696.240 13.03 38.00	Freq Loss Factor Factor MHz dB dB/m dB 1220.714 3.62 24.44 37.65 1677.621 4.30 26.76 36.45 4469.214 7.10 33.50 34.65 8764.146 11.51 36.70 35.63 11696.240 13.03 38.00 36.41	Freq Loss Factor Factor Level MHz dB dB/m dB dBuV 1220.714 3.62 24.44 37.65 41.39 1677.621 4.30 26.76 36.45 40.23 4469.214 7.10 33.50 34.65 38.07 8764.146 11.51 36.70 35.63 38.36 11696.240 13.03 38.00 36.41 37.54	Freq Loss Factor Factor Level Level MHz dB dB/m dB dBuV dBuV/m 1220.714 3.62 24.44 37.65 41.39 31.80 1677.621 4.30 26.76 36.45 40.23 34.84 4469.214 7.10 33.50 34.65 38.07 44.02 8764.146 11.51 36.70 35.63 38.36 50.94 11696.240 13.03 38.00 36.41 37.54 52.16	Freq Loss Factor Factor Level Level Line MHz dB dB/m Level Level Line MHz dB dB/m dB dBuV dBuV/m dBuV/m 1220.714 3.62 24.44 37.65 41.39 31.80 74.00 1677.621 4.30 26.76 36.45 40.23 34.84 74.00 4469.214 7.10 33.50 34.65 38.07 44.02 68.20 8764.146 11.51 36.70 35.63 38.36 50.94 68.20 11696.240 13.03 38.00 36.41 37.54 52.16 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 1220.714 3.62 24.44 37.65 41.39 31.80 74.00 -42.20 1677.621 4.30 26.76 36.45 40.23 34.84 74.00 -39.16 4469.214 7.10 33.50 34.65 38.07 44.02 68.20 -24.18 8764.146 11.51 36.70 35.63 38.36 50.94 68.20 -17.26 11696.240 13.03 38.00 36.41 37.54 52.16 74.00 -21.84 q17544.360 14.89 43.64 37.43 32.39 53.49 68.20 -14.71



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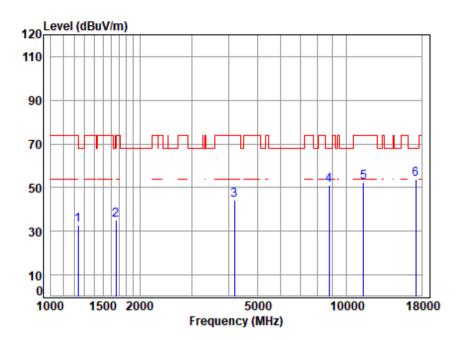


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Test Mode: 07; Polarity: Horizontal; Modulation: OFDM; Channel: Low



Site : chamber

Condition: 3m HORIZONTAL : 02559AT/02560AT Mode : 5730.5 TX RSE Note : 5.8G SDR 10M

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1238.483	3.65	24.48	37.59	42.14	32.68	74.00	-41.32	peak
2	1658.337	4.28	26.72	36.50	40.53	35.03	68.20	-33.17	peak
3	4181.768	6.91	33.29	34.46	38.56	44.30	74.00	-29.70	peak
4	8764.146	11.51	36.70	35.63	38.40	50.98	68.20	-17.22	peak
5	11461.000	12.99	37.96	36.27	37.73	52.41	74.00	-21.59	peak
6	q17191.500	14.68	43.28	37.46	33.22	53.72	68.20	-14.48	peak



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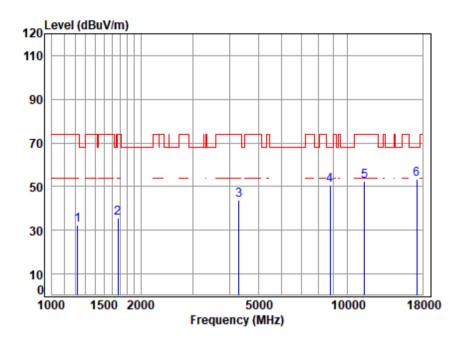


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Report No.: SZCR230800255903

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Test Mode: 07; Polarity: Vertical; Modulation: OFDM; Channel: Low



Site : chamber

Condition: 3m VERTICAL

: 02559AT/02560AT Mode : 5730.5 TX RSE Note : 5.8G SDR 10M

~ ~ .		JU	10						
		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	3.62	24.45	37.64	42.02	32.45	74.00	-41.55	peak
2	1672.779	4.30	26.75	36.46	41.15	35.74	74.00	-38.26	peak
3	4304.400	6.99	33.60	34.54	37.60	43.65	74.00	-30.35	peak
4	8764.146	11.51	36.70	35.63	38.13	50.71	68.20	-17.49	peak
5	11461.000	12.99	37.96	36.27	37.98	52.66	74.00	-21.34	peak
	q17191.500								



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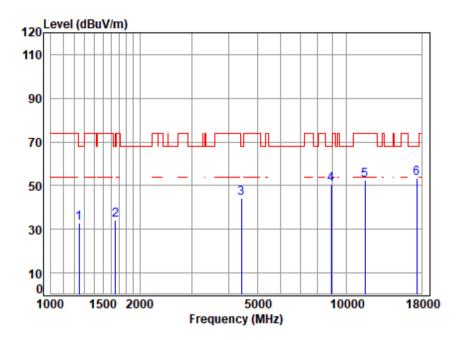


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Test Mode: 07; Polarity: Horizontal; Modulation: OFDM; Channel: middle



Site : chamber

Condition: 3m HORIZONTAL : 02559AT/02560AT Mode : 5787.5 TX RSE Note : 5.8G SDR 10M

		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	d Bu V/m	dB	
1	1245.663	3.66	24.49	37.57	42.40	32.98	68.20	-35.22	peak
2	1653.550	4.27	26.71	36.51	39.97	34.44	68.20	-33.76	peak
3	4417.841	7.07	33.50	34.62	38.14	44.09	68.20	-24.11	peak
4	8891.725	11.73	36.70	35.56	37.86	50.73	68.20	-17.47	peak
5	11575.000	13.01	38.00	36.34	37.82	52.49	74.00	-21.51	peak
6	q17362.500	14.78	43.46	37.45	32.47	53.26	68.20	-14.94	peak



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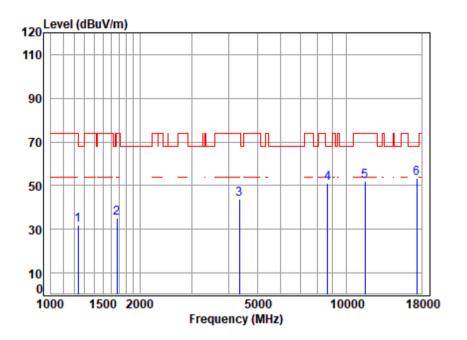


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Test Mode: 07; Polarity: Vertical; Modulation: OFDM; Channel: middle



Site : chamber

Condition: 3m VERTICAL

: 02559AT/02560AT Mode : 5787.5 TX RSE Note : 5.8G SDR 10M

~ ~ ~		JU	10							
		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	3.65	24.48	37.59	41.53	32.07	74.00	-41.93	peak	
2	1672.779	4.30	26.75	36.46	40.43	35.02	74.00	-38.98	peak	
3	4354.454	7.03	33.59	34.58	37.91	43.95	74.00	-30.05	peak	
4	8663.404	11.33	36.63	35.69	39.03	51.30	68.20	-16.90	peak	
5	11575.000	13.01	38.00	36.34	37.42	52.09	74.00	-21.91	peak	
6	q17362.500	14.78	43.46	37.45	32.46	53.25	68.20	-14.95	peak	



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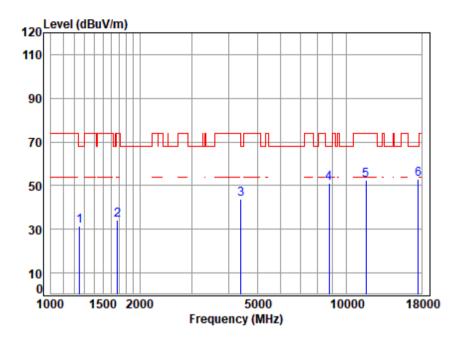


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Test Mode: 07; Polarity: Horizontal; Modulation: OFDM; Channel: High



Site : chamber

Condition: 3m HORIZONTAL : 02559AT/02560AT Mode : 5844.5 TX RSE Note : 5.8G SDR 10M

00		00 JUN	1011						
		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	3.67	24.50	37.56	41.01	31.62	68.20	-36.58	peak
2	1677.621	4.30	26.76	36.45	39.82	34.43	74.00	-39.57	peak
3	4405.090	7.06	33.50	34.61	37.77	43.72	68.20	-24.48	peak
4	8764.146	11.51	36.70	35.63	38.55	51.13	68.20	-17.07	peak
5	11689.000	13.03	38.00	36.40	37.66	52.29	74.00	-21.71	peak
6	q17533.500	14.88	43.63	37.43	31.97	53.05	68.20	-15.15	peak



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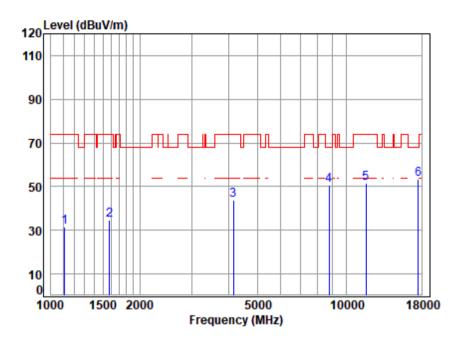


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Test Mode: 07; Polarity: Vertical; Modulation: OFDM; Channel: High



Site : chamber

Condition: 3m VERTICAL

: 02559AT/02560AT Mode : 5844.5 TX RSE Note : 5.8G SDR 10M

			20							
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	1112.872	3.42	24.05	38.00	42.05	31.52	74.00	-42.48	peak	
2	1578.822	4.17	26.25	36.68	40.80	34.54	74.00	-39.46	peak	
3	4157.664	6.89	33.15	34.44	38.40	44.00	74.00	-30.00	peak	
4	8738.852	11.47	36.70	35.65	38.07	50.59	68.20	-17.61	peak	
5	11689.000	13.03	38.00	36.40	37.07	51.70	74.00	-22.30	peak	
6	q17533.500	14.88	43.63	37.43	32.45	53.53	68.20	-14.67	peak	



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7.8 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: 10m

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

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 23.6 °C Humidity: 51.5 % RH Atmospheric Pressure: 1000 mbar

7.8.2 Test Mode Description

7.0.2 103010	7.0.2 Test mode bescription										
Pre-scan / Final test	Description										
Pre-scan	05	TX mode (1.4M)_Keep the EUT in transmitting mode.									
Pre-scan	06	TX mode (3M)_Keep the EUT in transmitting mode.									
Pre-scan	07	TX mode (10M)_Keep the EUT in transmitting mode.									
Pre-scan	08	TX mode (20M)_Keep the EUT in transmitting mode.									
Final test	09	TX mode (40M)_Keep the EUT in transmitting mode.									



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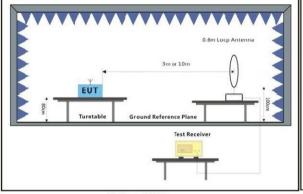


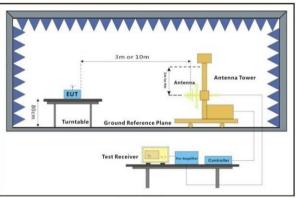
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7.8.3 Test Setup Diagram





Below 30MHz

30MHz-1GHz



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7.8.4 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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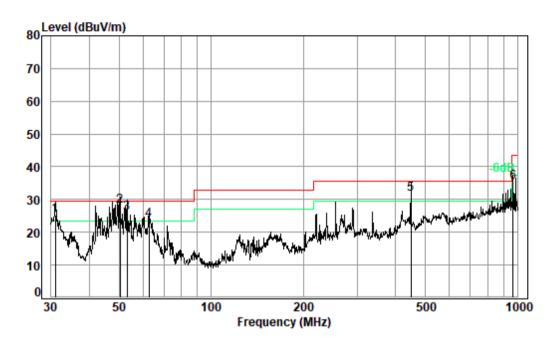


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Test Mode: 09; Polarity: Horizontal; Modulation: OFDM; Channel: Middle



Condition: 10m HORIZONTAL Job No. : 02559AT/02560AT

Test Mode: 09

		Read	Ant	Cable	Preamp		Limit	0ver	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
_									
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
	20.000	40.00	46.34	0.40	20.50	25 44	20 50	4 30	0.0
1	30.962	40.90	16.31	0.40	32.50	25.11	29.50	-4.39	QР
2 pp	50.409	42.68	17.18	0.51	32.50	27.87	29.50	-1.63	QP
3	53.131	40.59	17.24	0.52	32.49	25.86	29.50	-3.64	QP
4	62.651	39.11	16.64	0.56	32.47	23.84	29.50	-5.66	QP
5	449.556	41.07	21.12	1.72	32.30	31.61	35.60	-3.99	QP
6	968.934	35.73	28.23	2.65	31.26	35.35	43.50	-8.15	QP



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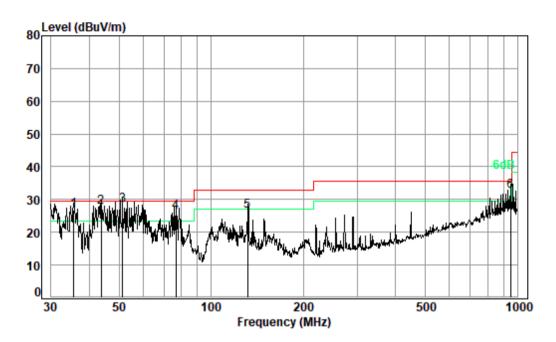


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Test Mode: 09; Polarity: Vertical; Modulation: OFDM; Channel: Middle



Condition: 10m VERTICAL Job No. : 02559AT/02560AT

Test Mode: 09

	Freq						Limit Line		Remark
-	MHz	dBuV	dB/m	dB	——dB	dBuV/m	dBuV/m	dB	
1	35.624	42.50	16.46	0.42	32.50	26.88	29.50	-2.62	QP
2	43.812	42.39	17.27	0.47	32.50	27.63	29.50	-1.87	QP
3 pp	51.301	43.04	17.19	0.52	32.50	28.25	29.50	-1.25	QP
4	76.781	44.11	13.82	0.63	32.45	26.11	29.50	-3.39	QP
5	131.758	42.21	15.93	0.85	32.40	26.59	33.00	-6.41	QP
6	948.761	32.93	28.40	2.62	31.30	32.65	35.60	-2.95	QP



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The test was performed at a 10m test site. According to below formulate and the test data at 10m test distance.

 $L_3 / L_{10} = D_{10} / D_3$

Note:

L₃: Level @ 3m distance. Unit: uV/m; L₁₀: Level @ 10m distance. Unit: uV/m;

D₃: 3m distance. Unit: m D₁₀: 10m distance. Unit: m

The level at 3m test distance is below:

Frequency (MHz)	Level @ 10m (dBuV/m)	Level @ 10m (uV/m)	Level @ 3m (uV/m)	Level @ 3m (dBuV/m)	Limit @ 3m (dBuV/m)	Margin (dB)	Ant. Polarization
30.962	25.11	18.01	60.03	35.57	40	-4.43	Н
50.409	27.87	24.75	82.49	38.33	40	-1.67	Н
53.131	25.86	19.63	65.45	36.32	40	-3.68	Н
62.651	23.84	15.56	51.87	34.30	40	-5.70	Н
449.556	31.61	38.06	126.88	42.07	46	-3.93	Н
968.934	35.35	58.55	195.15	45.81	54	-8.19	Н
35.624	26.88	22.08	73.60	37.34	40	-2.66	V
43.812	27.63	24.07	80.24	38.09	40	-1.91	V
51.301	28.25	25.85	86.17	38.71	40	-1.29	V
76.781	26.11	20.21	67.36	36.57	40	-3.43	V
131.758	26.59	21.36	71.18	37.05	43.5	-6.45	V
948.761	32.65	42.90	143.01	43.11	46	-2.89	V



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7.9 Frequency Stability

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

7.9.1 E.U.T. Operation

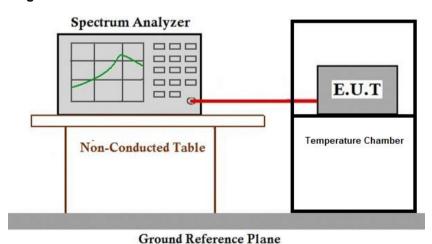
Operating Environment:

Temperature: 25.3 °C Humidity: 52.7 % RH Atmospheric Pressure: 1000 mbar

7.9.2 Test Mode Description

11012 1001 III040 2000 Ipiioii								
Pre-scan / Final test	Mode Code	Description						
Final test	05	TX mode (1.4M)_Keep the EUT in transmitting mode.						
Final test	06	TX mode (3M)_Keep the EUT in transmitting mode.						
Final test	07	TX mode (10M)_Keep the EUT in transmitting mode.						
Final test	08	TX mode (20M)_Keep the EUT in transmitting mode.						
Final test	09	TX mode (40M)_Keep the EUT in transmitting mode.						

7.9.3 Test Setup Diagram



Please Refer to Appendix for Details

7.9.4 Measurement Procedure and Data



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Test Setup Photo 8

Refer to Appendix - Test Setup Photo for SZCR2308002559AT

EUT Constructional Details (EUT Photos) 9

Refer to External and Internal Photos for SZCR2308002559AT



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10 Appendix

SISO Mode 1. Duty Cycle

1.1 Ant0

1.1.1 Test Result

Ant0									
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)		
1.4M	SISO	5728.5	100.000	100.000	100.00	0.00	0.00		
		5788.5	100.000	100.000	100.00	0.00	0.00		
		5848.12	100.000	100.000	100.00	0.00	0.00		
	SISO	5727.5	100.000	100.000	100.00	0.00	0.00		
3M		5787.5	100.000	100.000	100.00	0.00	0.00		
		5847.2	100.000	100.000	100.00	0.00	0.00		
	SISO	5730.5	100.000	100.000	100.00	0.00	0.00		
10M		5787.5	100.000	100.000	100.00	0.00	0.00		
		5844.5	100.000	100.000	100.00	0.00	0.00		
		5735.5	19.980	20.000	99.90	0.00	0.00		
20M	SISO	5787.5	19.893	20.000	99.47	0.02	0.02		
		5839.5	19.896	20.000	99.48	0.02	0.02		
40M	SISO	5745.5	19.976	20.000	99.88	0.01	0.00		
		5787.5	19.976	20.000	99.88	0.01	0.00		
		5829.5	19.977	20.000	99.89	0.00	0.00		



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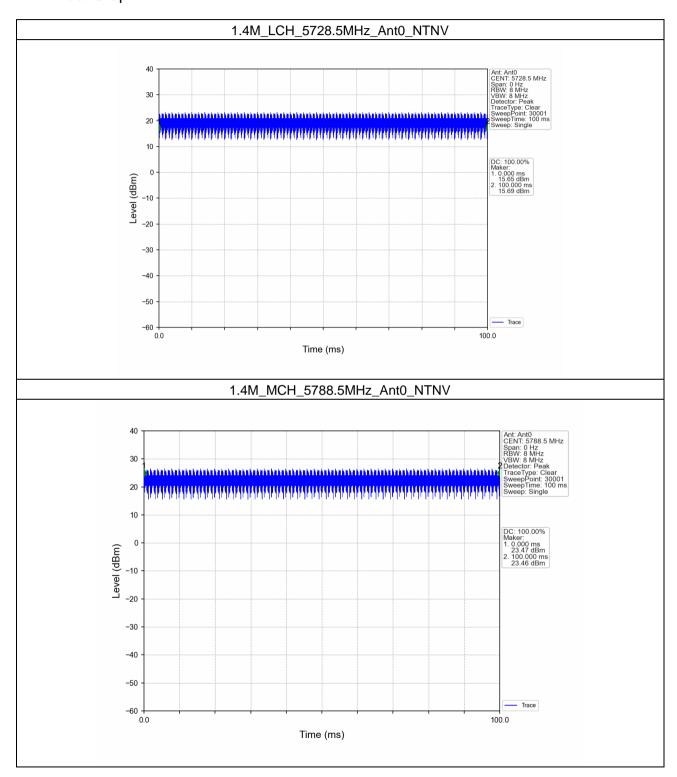


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1.1.2 Test Graph





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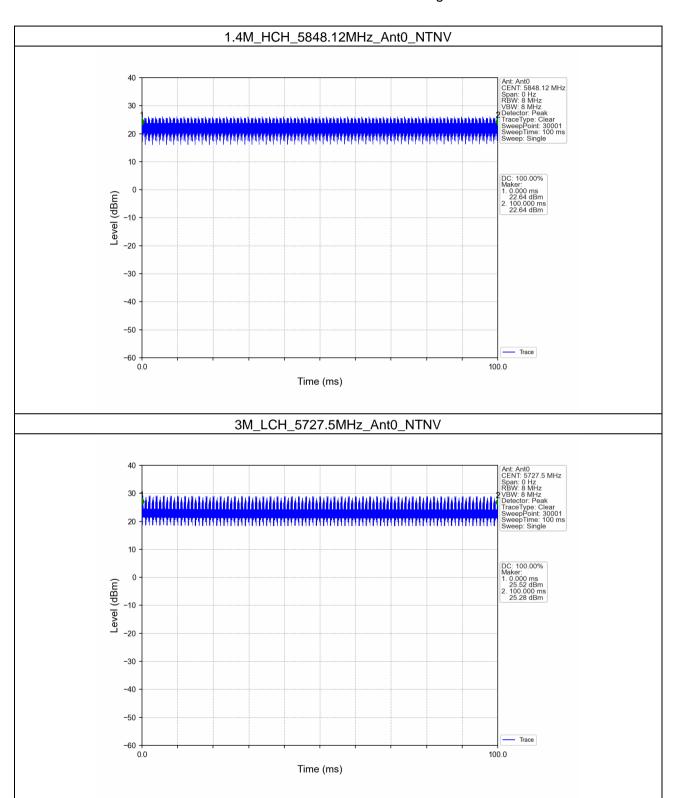
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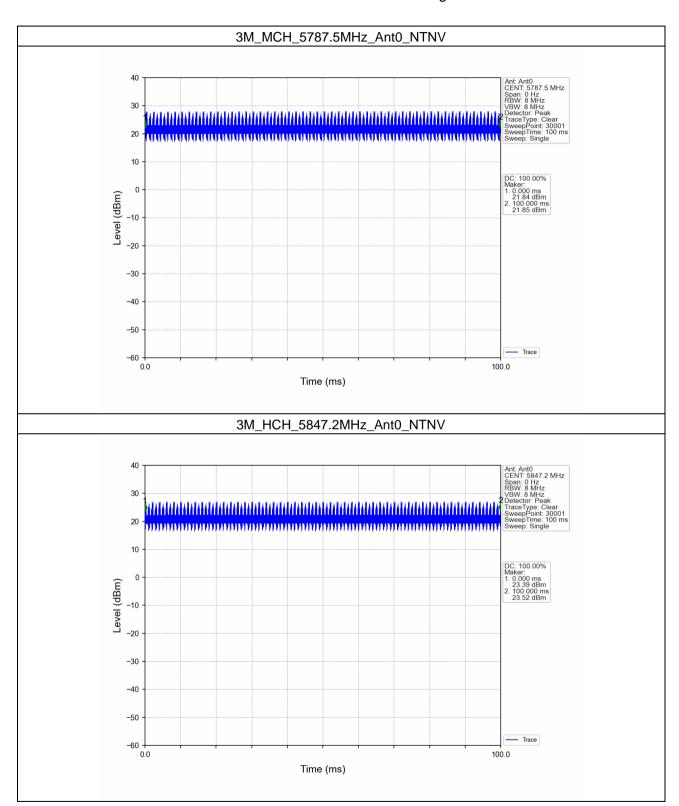
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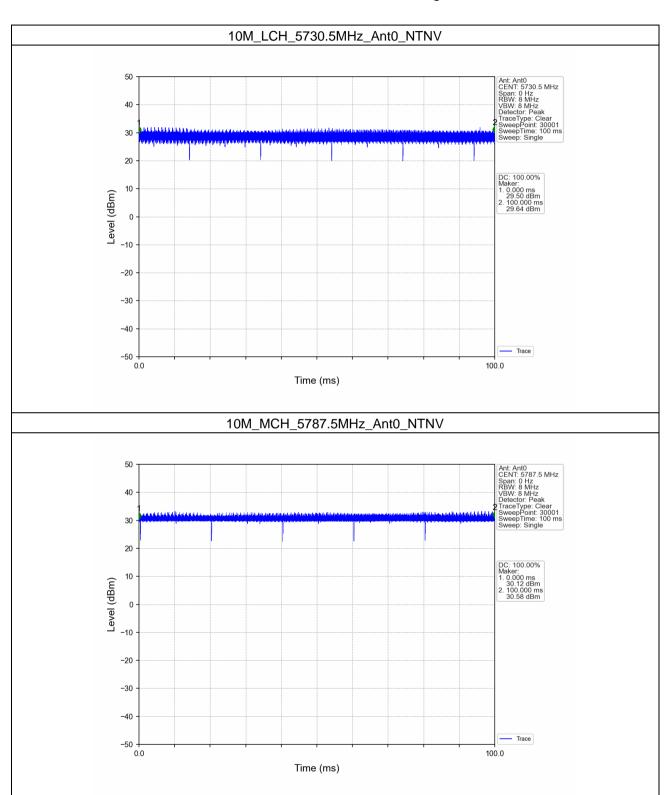
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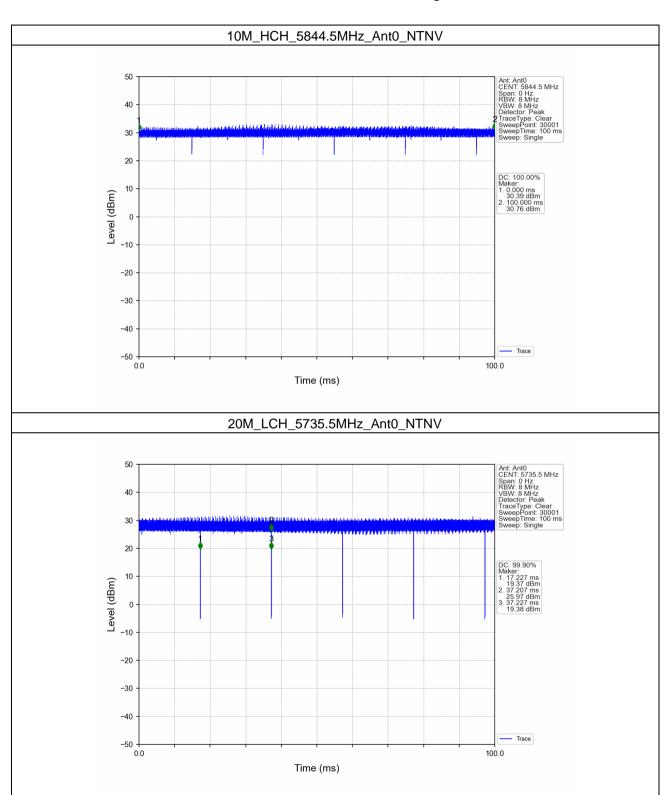
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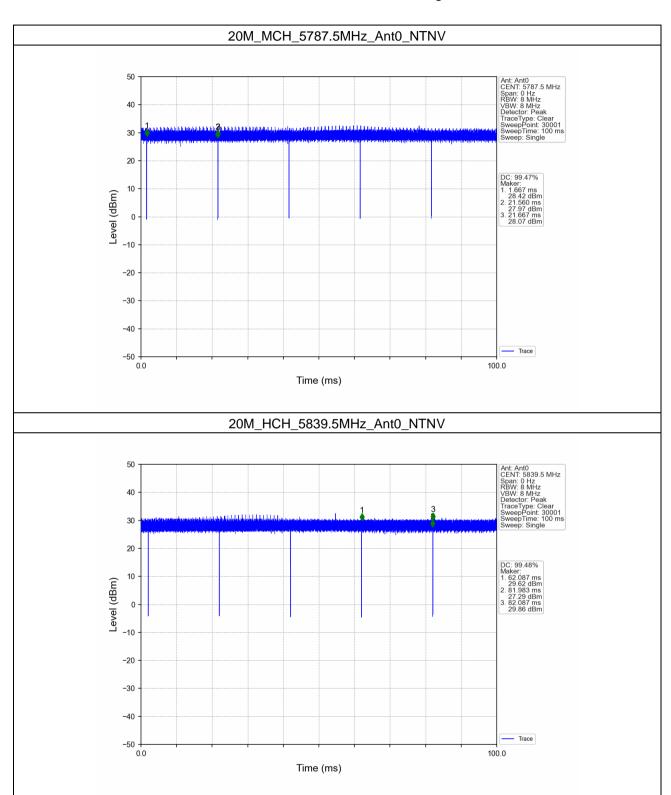
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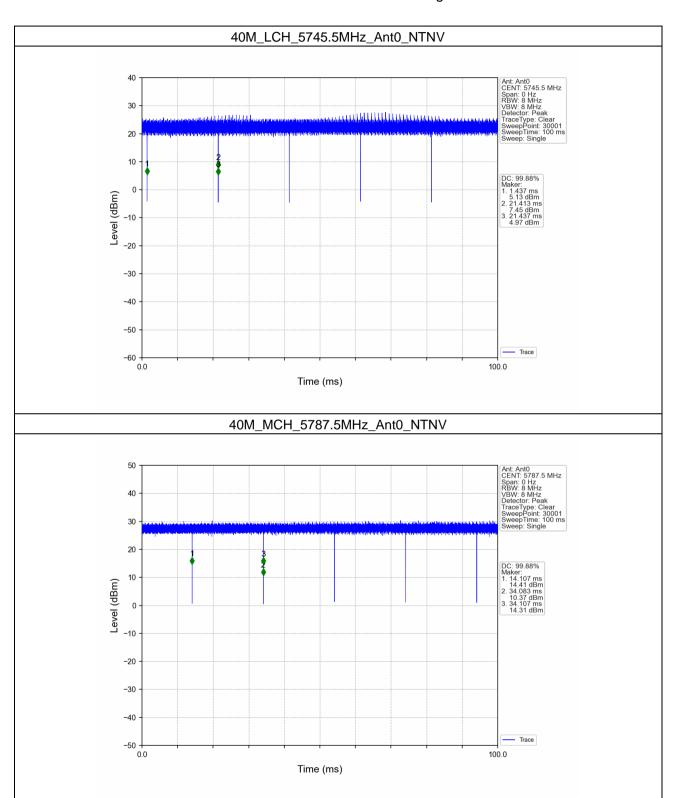
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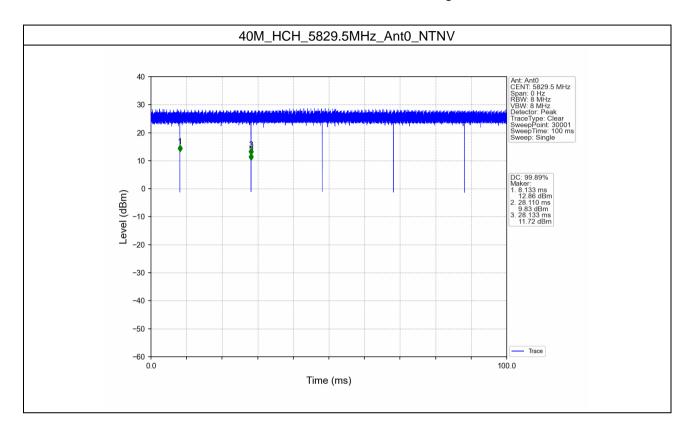
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2. Bandwidth

2.1 OBW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict	
				Result		
1.4M	SISO	5728.5	0	1.194	Pass	
		5788.5	0	1.196	Pass	
		5848.12	0	1.196	Pass	
	SISO	5727.5	0	2.332	Pass	
ЗМ		5787.5	5787.5 0 2.332		Pass	
		5847.2	0	2.322	Pass	
10M	SISO	5730.5	0	9.119	Pass	
		5787.5	0	9.496	Pass	
		5844.5	0	9.212	Pass	
20M	SISO	5735.5	0	18.281	Pass	
		SISO 5787.5		0	18.876	Pass
		5839.5	0	18.160	Pass	
40M	SISO	5745.5	0	36.514	Pass	
		5787.5	0	36.816	Pass	
		5829.5	0	35.859	Pass	



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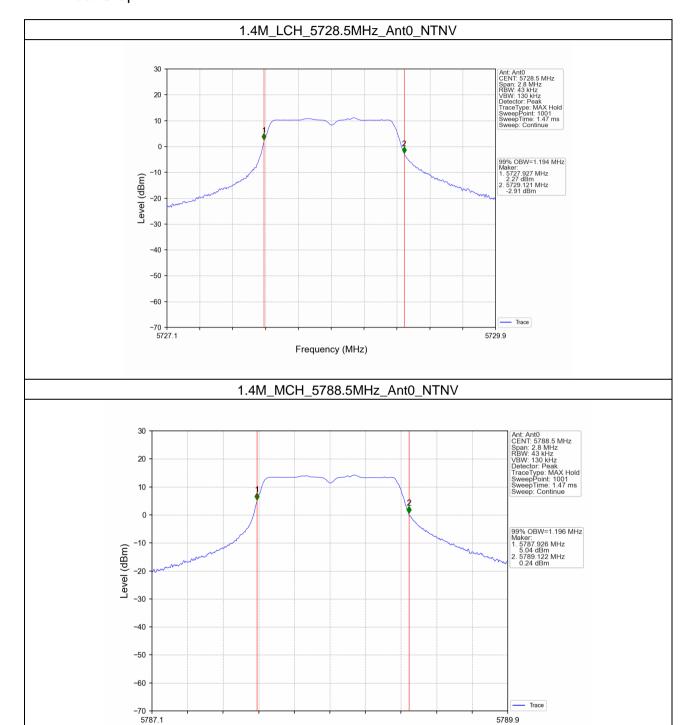


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2.1.2 Test Graph





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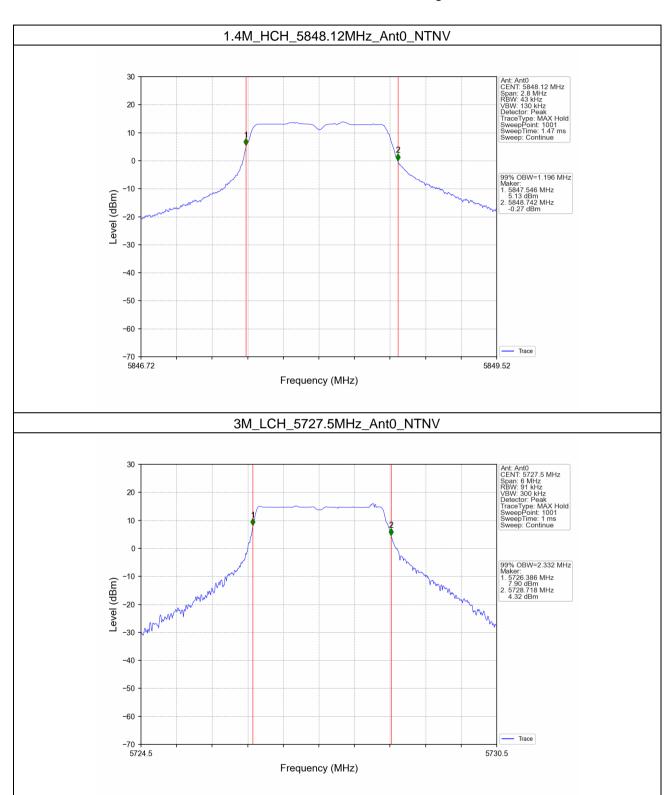
Frequency (MHz)



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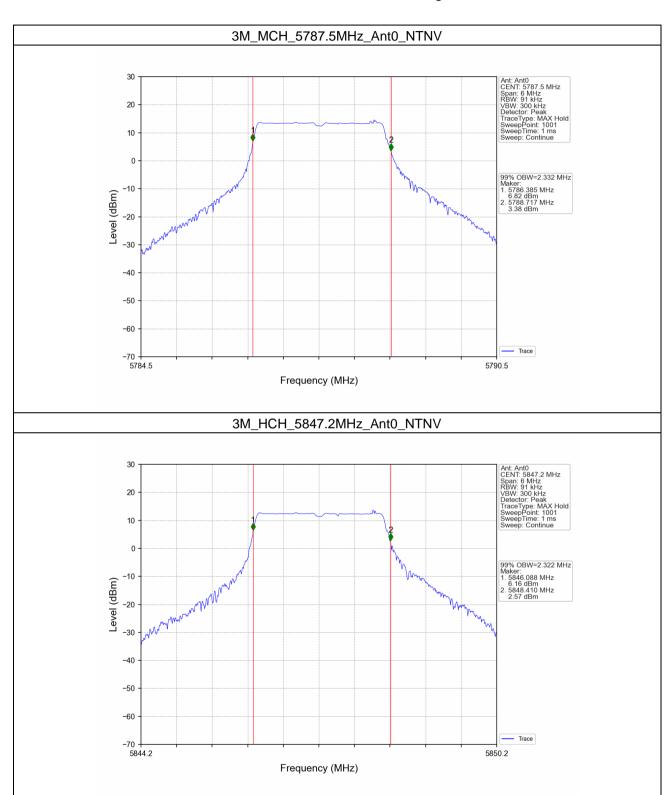
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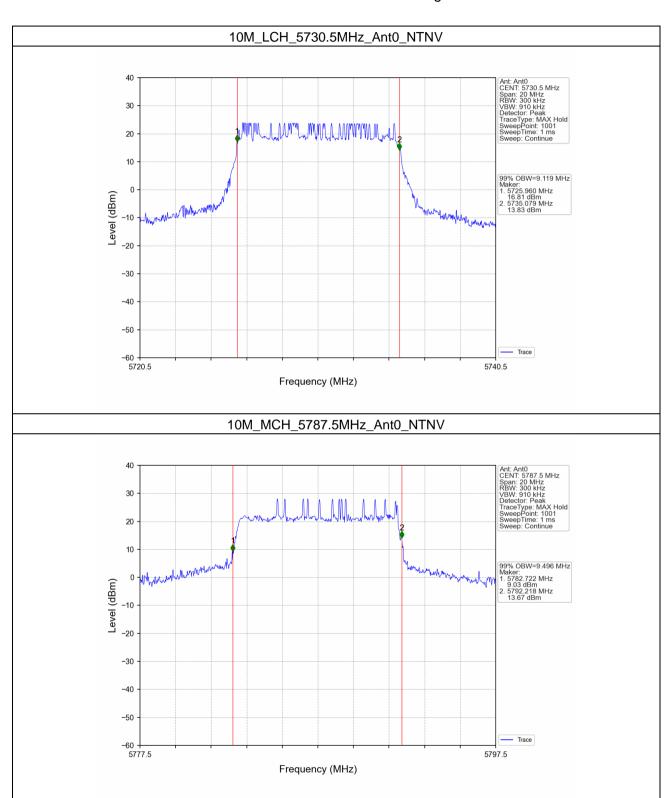
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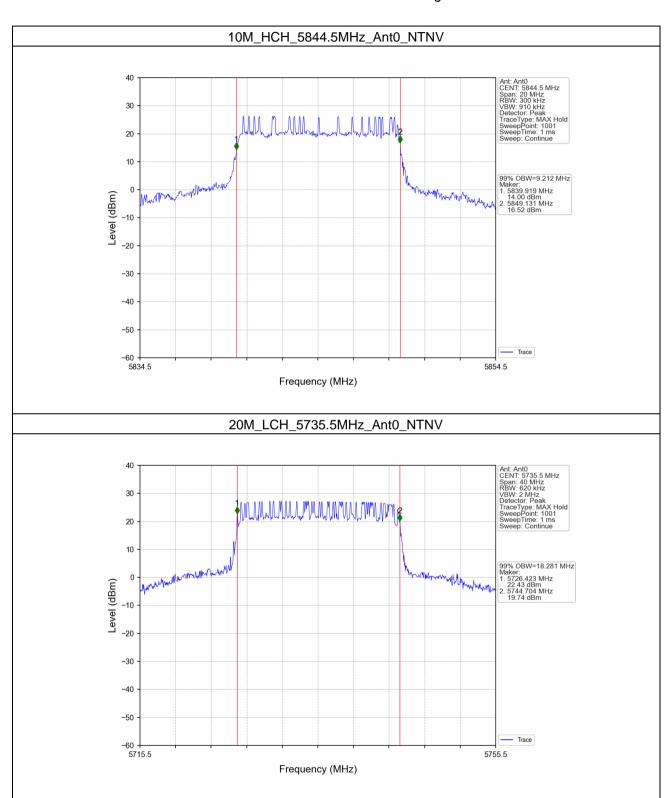
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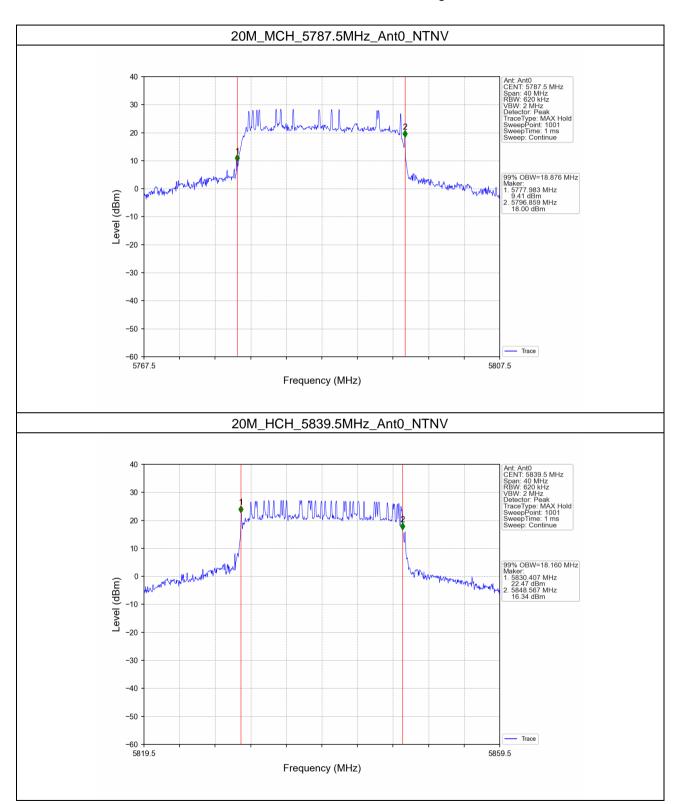
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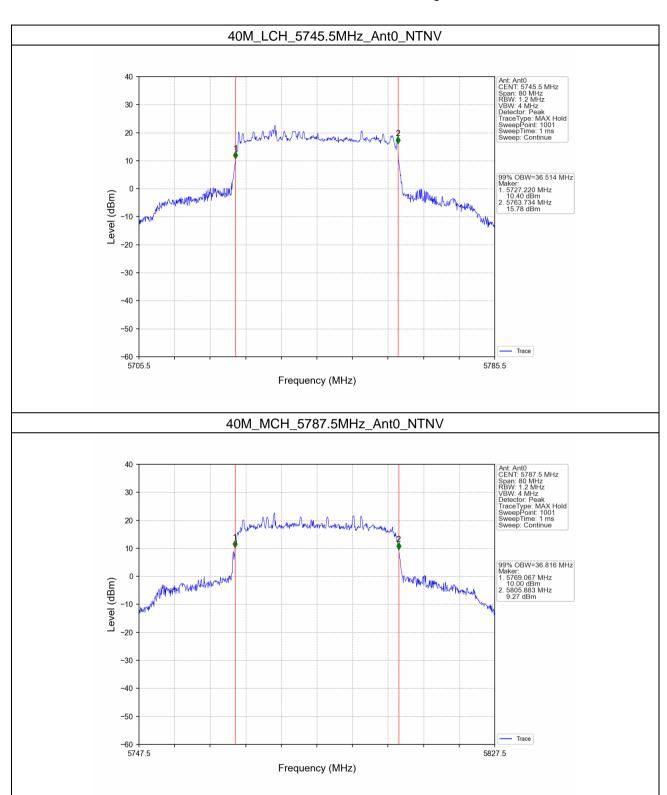
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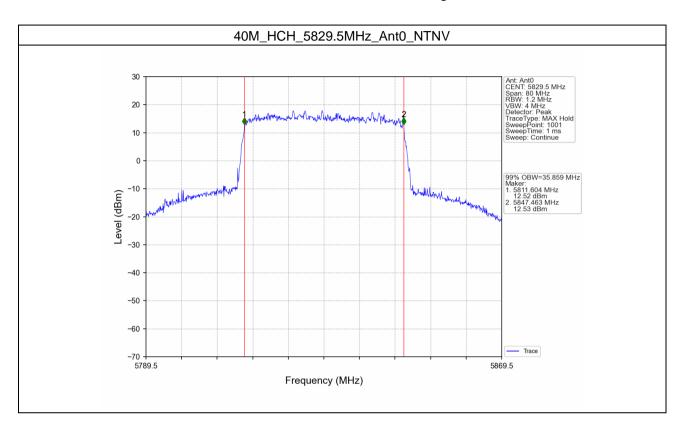
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2.2 6dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandv	Mondint	
				Result	Limit	Verdict
	SISO	5728.5	0	1.116	>=0.5	Pass
1.4M		5788.5	0	1.116	>=0.5	Pass
		5848.12	0	1.117	>=0.5	Pass
	SISO	5727.5	0	2.221	>=0.5	Pass
ЗМ		5787.5	0	2.217	>=0.5	Pass
		5847.2	0	2.219	>=0.5	Pass
	SISO	5730.5	0	9.012	>=0.5	Pass
10M		5787.5	0	8.988	>=0.5	Pass
		5844.5	0	9.018	>=0.5	Pass
	SISO	5735.5	0	18.024	>=0.5	Pass
20M		5787.5	0	18.013	>=0.5	Pass
		5839.5	0	17.998	>=0.5	Pass
40M	SISO	5745.5	0	35.965	>=0.5	Pass
		5787.5	0	35.973	>=0.5	Pass
		5829.5	0	35.954	>=0.5	Pass



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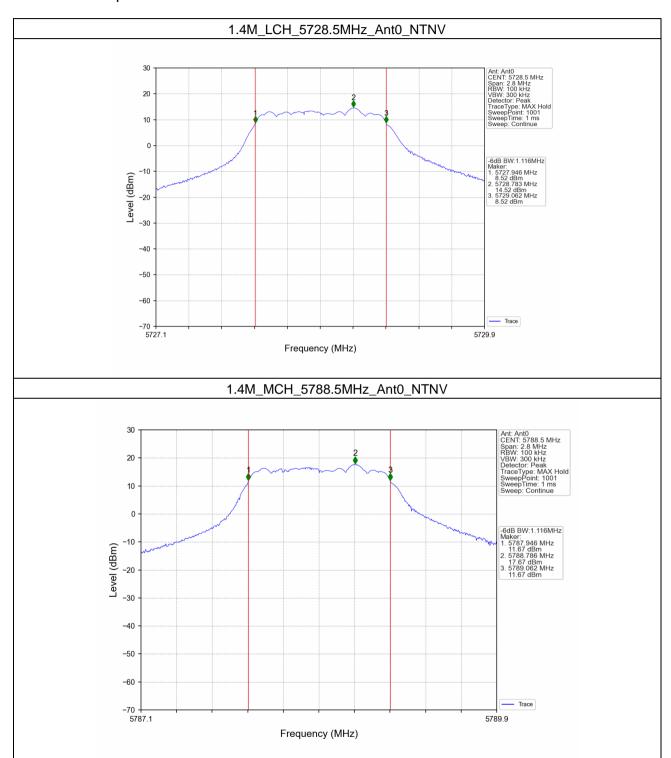


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2.2.2 Test Graph





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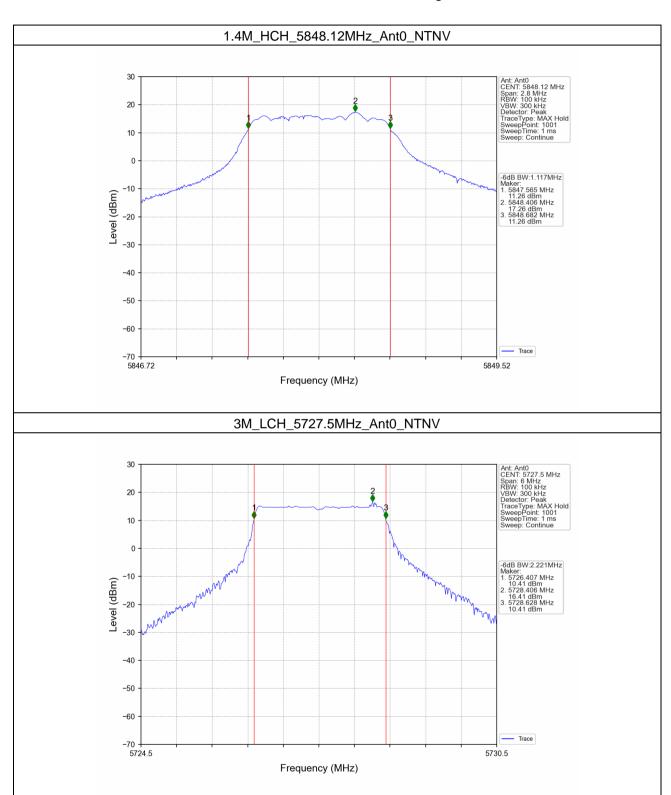
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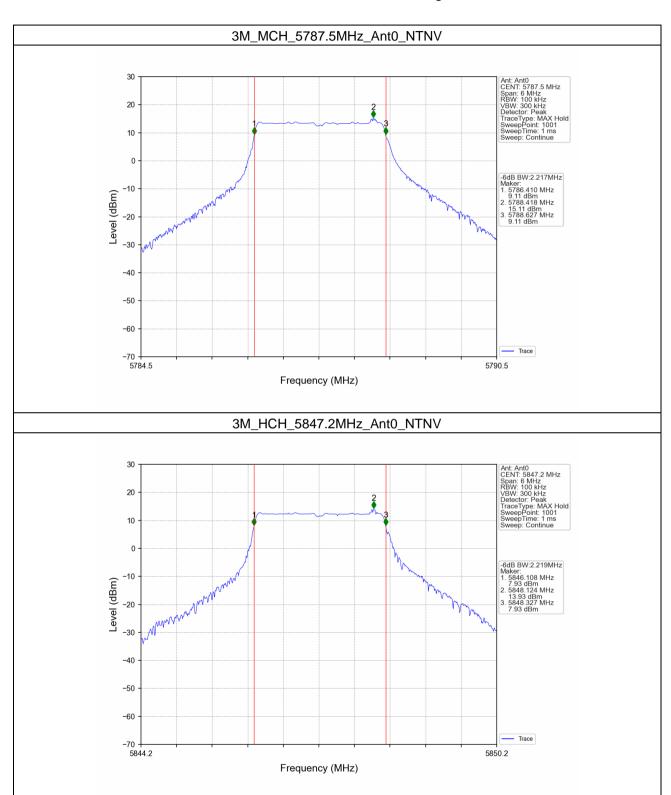
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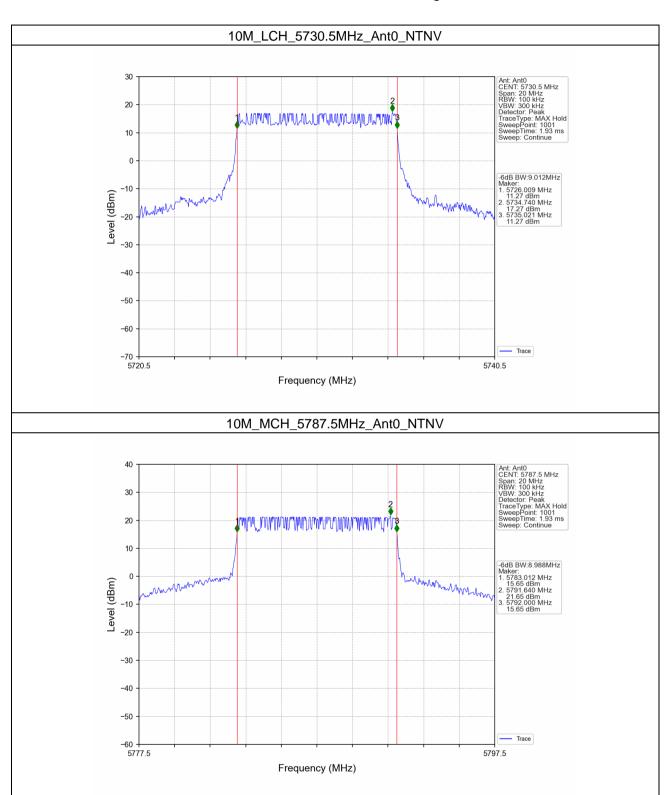
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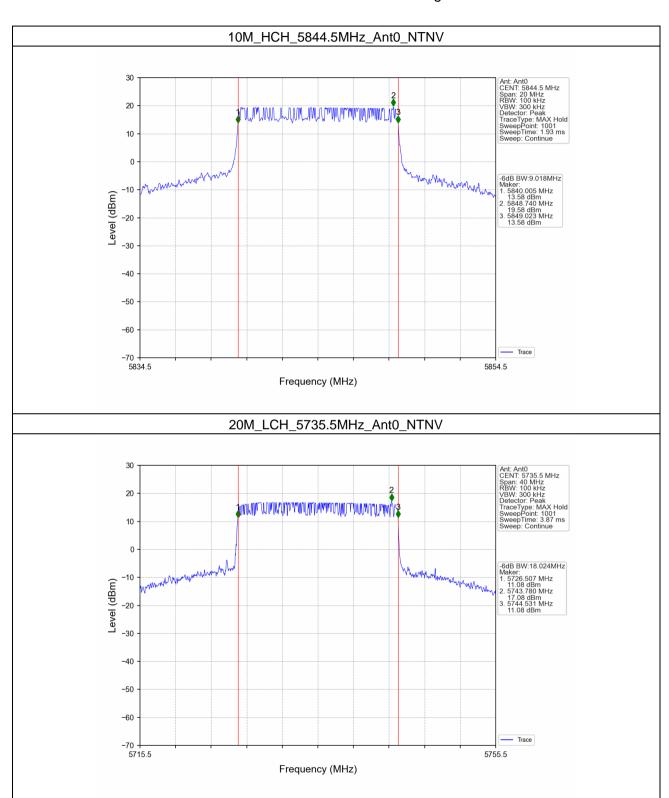
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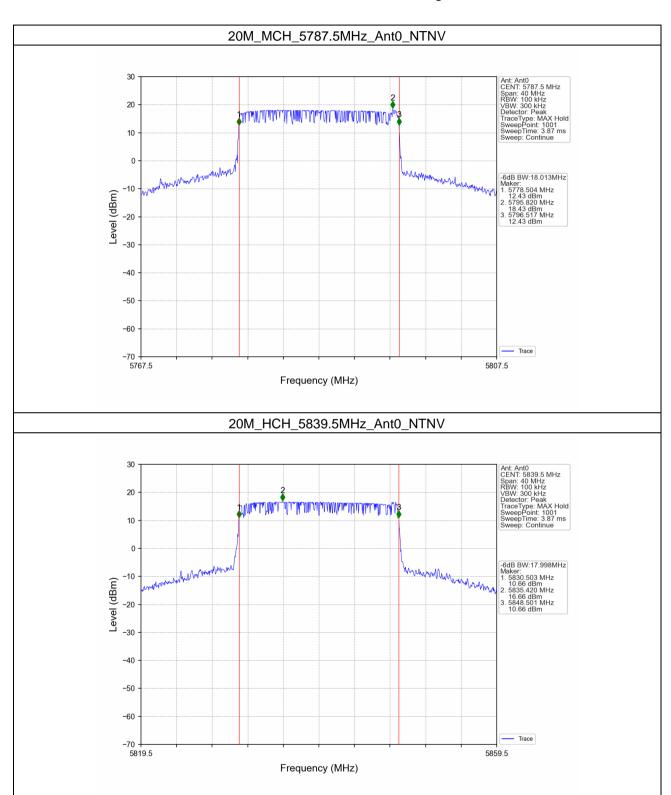
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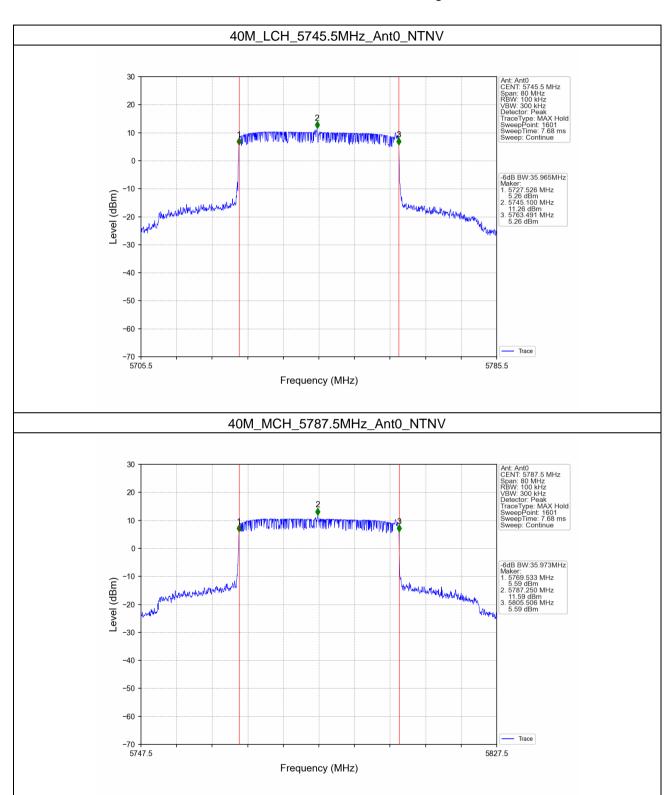
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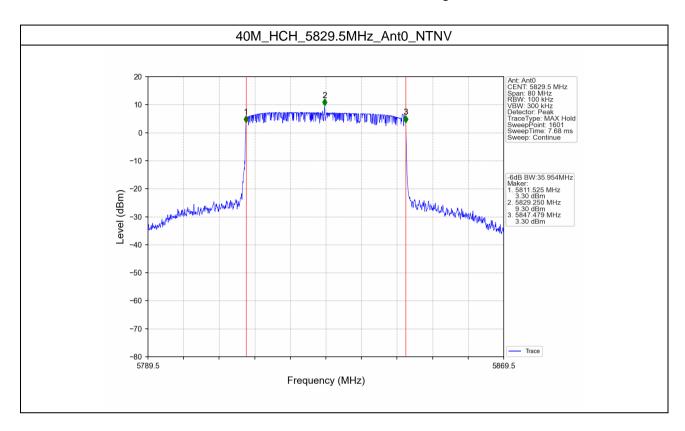
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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX	Frequency (MHz)	Maxim	Mandiat				
	Type		ANT0	ANT1	ANT2	ANT3	Limit	Verdict
1.4M SI		5728.5	17.33	18.31	16.94	17.96	<=30	Pass
	SISO	5788.5	17.14	18.54	17.36	17.97	<=30	Pass
		5848.12	16.78	19.39	16.70	19.00	<=30	Pass
		5727.5	17.55	18.39	17.59	18.18	<=30	Pass
ЗМ	SISO	5787.5	17.37	18.58	17.41	18.09	<=30	Pass
		5847.2	16.76	19.38	16.25	19.14	<=30	Pass
10M		5730.5	26.74	27.30	26.67	26.63	<=30	Pass
	SISO	5787.5	27.36	27.41	27.61	26.82	<=30	Pass
		5844.5	26.56	27.10	26.60	26.43	<=30	Pass
20M	SISO	5735.5	26.30	27.33	26.57	26.42	<=30	Pass
		5787.5	27.19	27.32	27.27	26.75	<=30	Pass
		5839.5	26.75	27.28	26.83	26.49	<=30	Pass
40M	SISO	5745.5	25.34	25.94	25.60	25.28	<=30	Pass
		5787.5	28.39	27.95	28.45	27.37	<=30	Pass
		5829.5	24.65	25.11	24.71	24.81	<=30	Pass
Note1: A	Note1: Antenna Gain: Ant0: 4.00dBi; Ant1: 4.00dBi; Ant2: 4.00dBi; Ant3: 4.00dBi;							



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4. Maximum Power Spectral Density

4.1 PSD-Band3

4.1.1 Test Result

Maala	TX Type	Frequency		Manaliat				
Mode		(MHz)	ANT0	ANT1	ANT2	ANT3	Limit	Verdict
1.4M		5728.5	16.27	17.12	15.79	16.95	<=30	Pass
	SISO	5788.5	16.21	17.59	16.27	16.88	<=30	Pass
		5848.12	15.76	18.24	15.60	18.08	<=30	Pass
	SISO	5727.5	12.53	13.39	12.69	13.29	<=30	Pass
3M		5787.5	12.49	13.81	12.51	13.12	<=30	Pass
		5847.2	11.95	14.43	11.47	14.20	<=30	Pass
	SISO	5730.5	15.34	15.70	15.04	14.95	<=30	Pass
10M		5787.5	16.19	15.74	15.96	15.39	<=30	Pass
		5844.5	14.99	15.68	15.02	15.09	<=30	Pass
20M	SISO	5735.5	12.00	12.84	12.27	11.97	<=30	Pass
		5787.5	12.74	12.81	12.77	12.20	<=30	Pass
		5839.5	12.29	12.91	12.36	11.97	<=30	Pass
40M	SISO	5745.5	8.17	8.84	8.28	8.03	<=30	Pass
		5787.5	11.35	10.94	11.75	10.38	<=30	Pass
		5829.5	7.33	7.79	7.72	7.52	<=30	Pass
Note1: An	Note1: Antenna Gain: Ant0: 4.00dBi; Ant1: 4.00dBi; Ant2: 4.00dBi; Ant3: 4.00dBi;							



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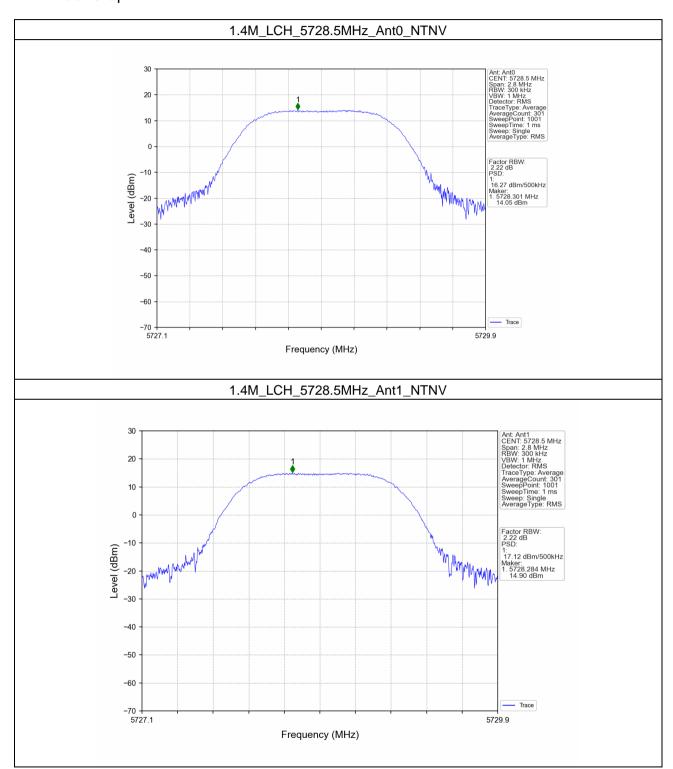


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4.1.2 Test Graph





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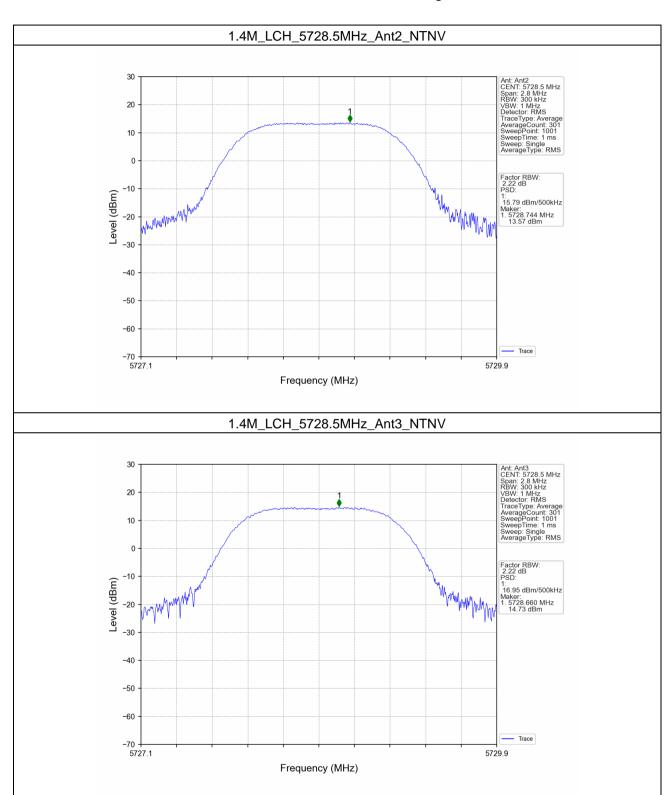
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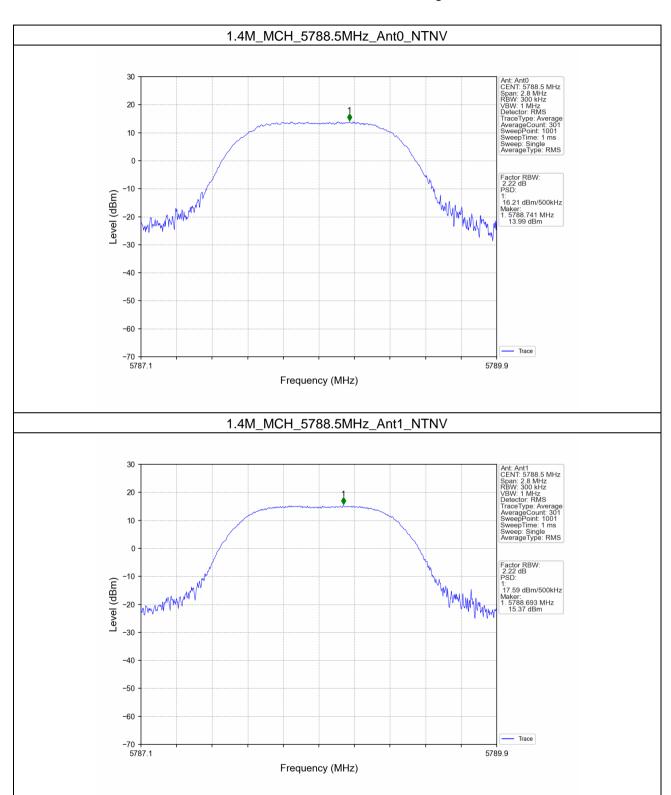
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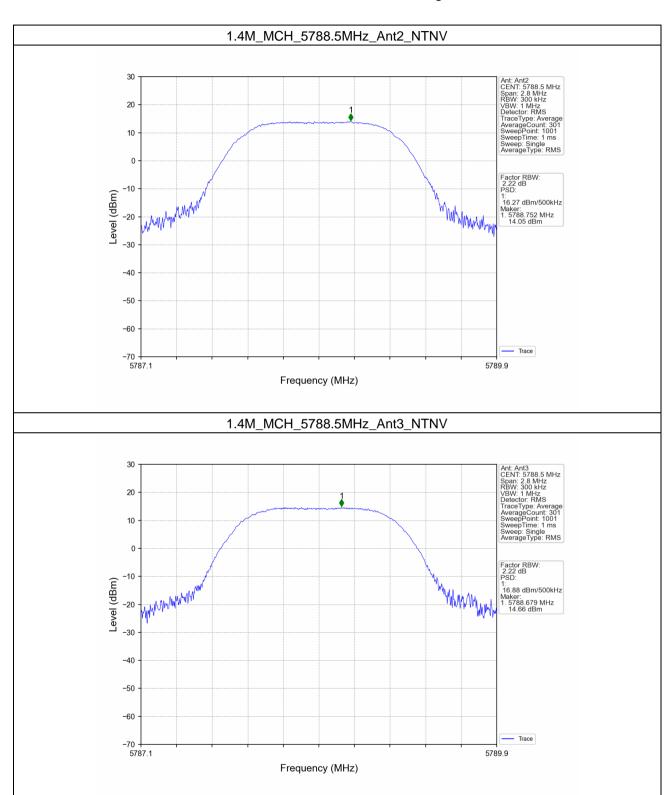
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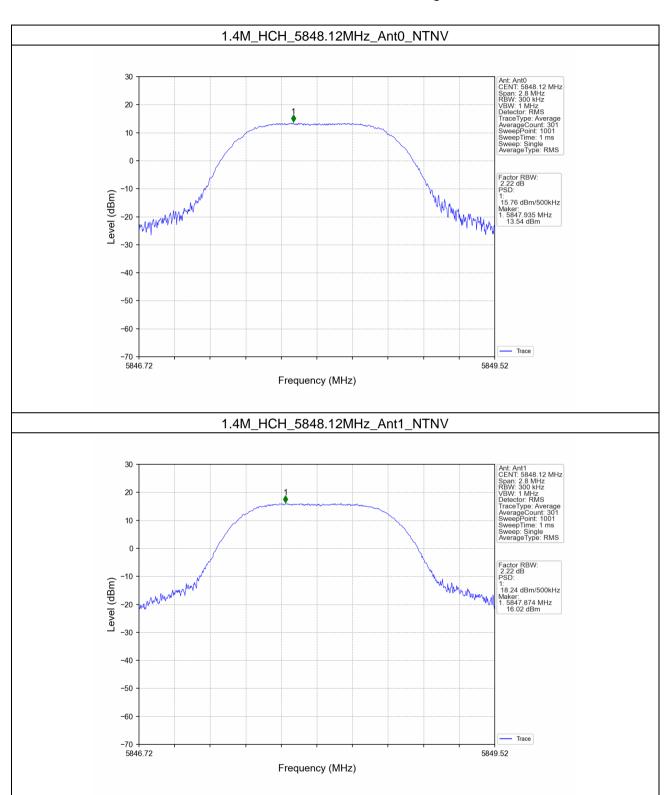
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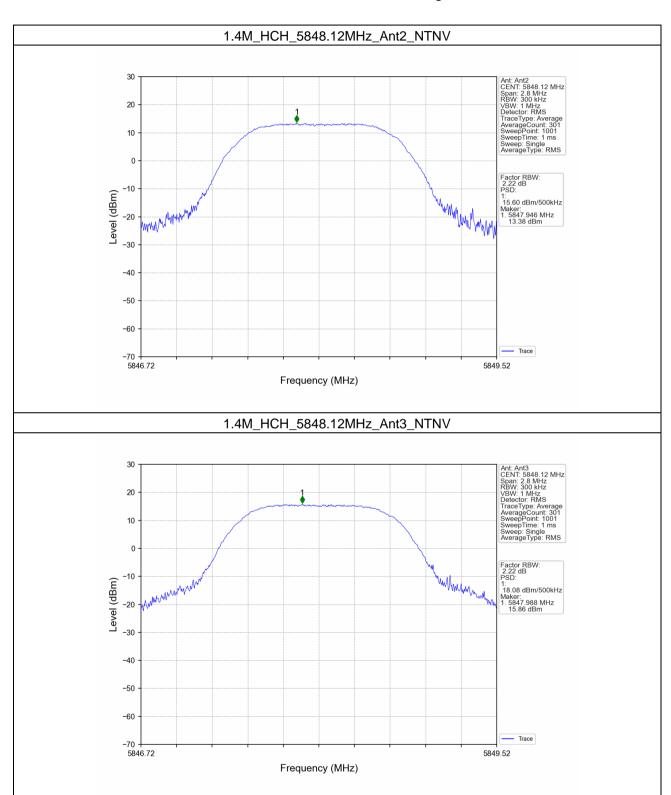
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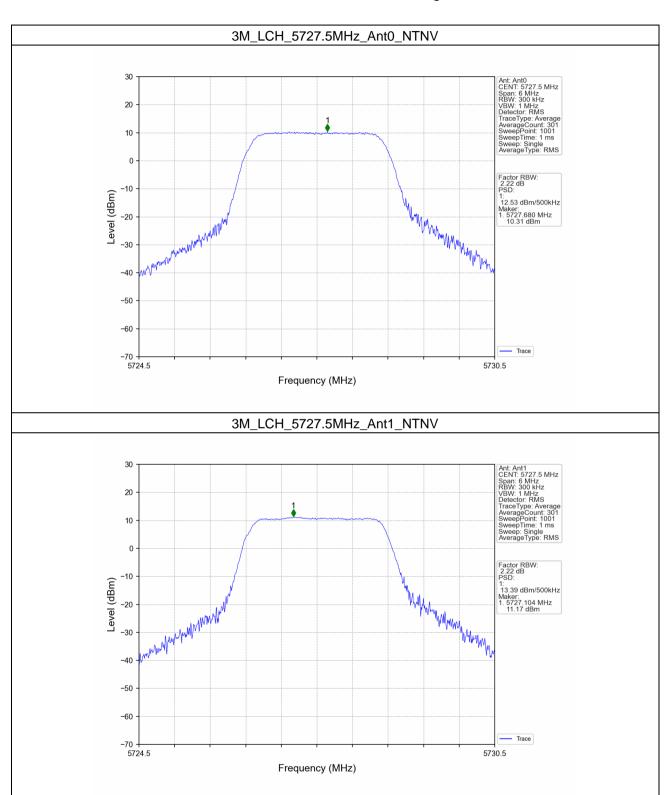
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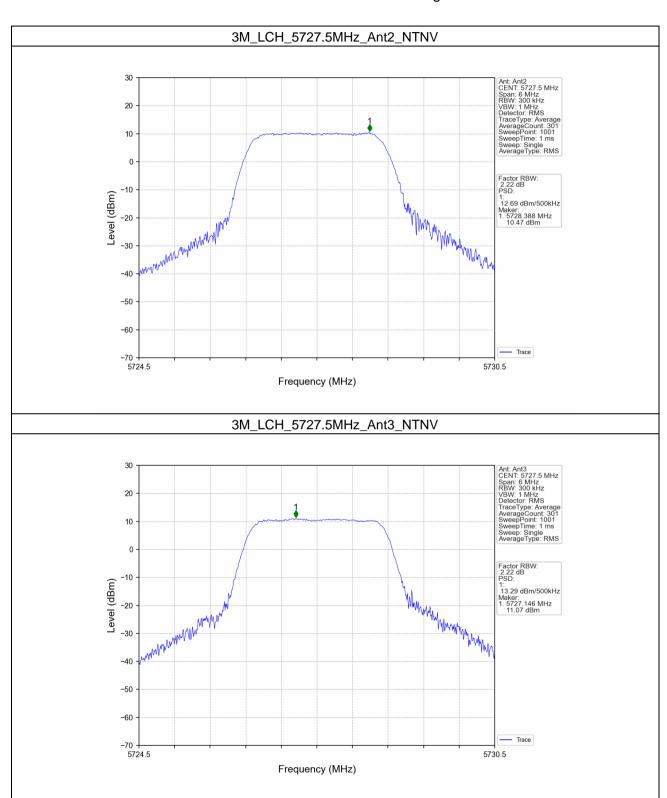
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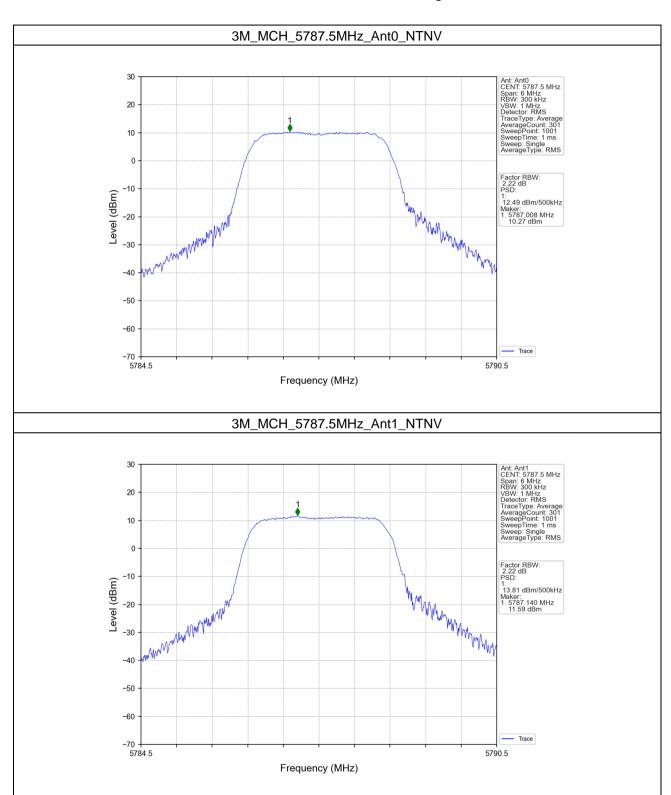
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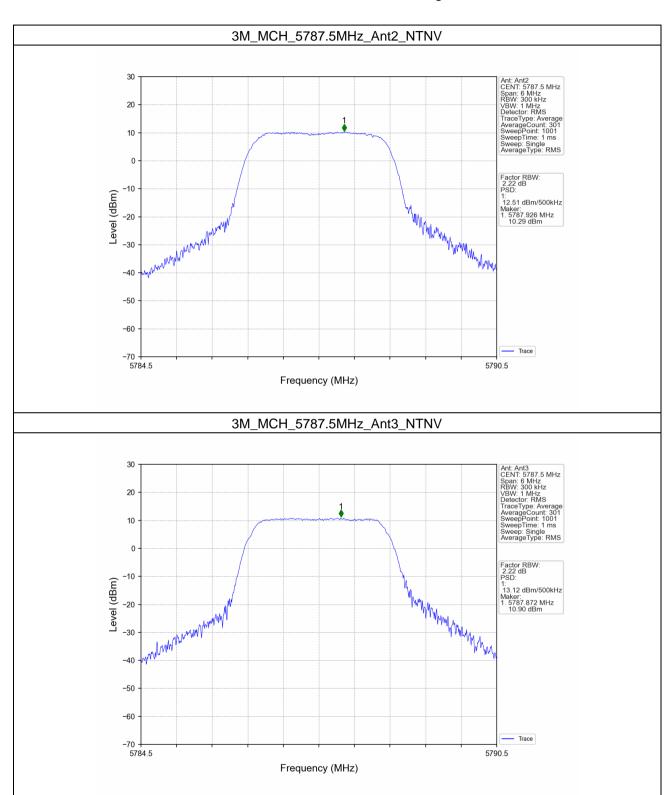
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