

SZEMC-TRF-01 Rev. A/1 Report No.: SZCR250200049202

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TEST REPORT

Application No.: SZCR2502000492AT

Applicant: SZ Knowact Robot Technology Co., Ltd

Address of Applicant: Room C3-A081, Building C, Kexing Science Park, No. 15, Keyuan Road,

Science Park Community, Yuehai Street, Nanshan District, Shenzhen,

Guangdong, China

Manufacturer: SZ Knowact Robot Technology Co., Ltd

Address of Manufacturer: Room C3-A081, Building C, Kexing Science Park, No. 15, Keyuan Road,

Science Park Community, Yuehai Street, Nanshan District, Shenzhen,

Guanadona, China

Equipment Under Test (EUT):

EUT Name: Remote Controller

Model No.: ARDCF1

FCC ID: 2BMUV-ARDCF25

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

Date of Receipt: 2025-02-13

2025-02-19 to 2025-02-27 **Date of Test:**

Date of Issue: 2025-03-03

Pass* Test Result:

Keny Xu **EMC Laboratory Manager**

Ceny. Ku



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



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	Revision Record						
Version	Version Chapter Date Modifier Rema						
01		2025-03-03		Original			

Authorized for issue by:		
	Dorjar. Hu ang	
	Donjon Huang/Project Engineer	
	Exic Fu	
	Eric Fu/Reviewer	



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2 **Test Summary**

Radio Spectrum Technical Requirement						
Item	Standard	Method	Requirement	Result		
Antenna Requirement	47 CFR Part 15,	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		ANSI C63.10 (2013) Section 12.3	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Radiated Emissions (Below 1GHz)		ANSI C63.10 (2013) Section 6.4,6.5	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions (Above 1GHz)		ANSI C63.10 (2013) Section 6.6	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions which fall in the restricted bands	47 CFR Part 15,	ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Duty Cycle	Subpart E 15.407	ANSI C63.10 (2013) Section 12.2	ANSI C63.10 (2013) Section 12.2	Pass
99% Bandwidth		ANSI C63.10 (2013) Section 12.4.2	ANSI C63.10 (2013) Section 12.4.2	Pass
26dB Emission bandwidth		ANSI C63.10 (2013) Section 12.4.1	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Minimum 6 dB bandwidth (5.725-5.85 GHz band)		ANSI C63.10 (2013) Section 6.9.2	47 CFR Part 15, Subpart E 15.407 (e)	Pass
Peak Power spectrum density		ANSI C63.10 (2013) Section 12.5	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



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General Information

4.1 Details of E.U.T.

4.1 Details of E.U.1.	I DETAILS OF E.U. I.						
Power supply:	Powered by Lithium-ion Rechargeable Cell						
	Battery information						
	Model: ICR18650						
	Nominal Voltage: 3.6V						
	Capacity: 9.18Wh						
Cable(s):	USB Type-C to Type-C cable: 16cm unshielded						
Operation Frequency:	5.1G SDR						
	10MHz: 5157MHz-5245MHz(89channel)						
	20MHz: 5161MHz-5240MHz(80channel)						
	40MHz: 5170MHz-5230MHz(61channel)						
	5.8G SDR						
	1.4MHz mode A: 5728.5MHz-5844.5MHz(59channel)						
	1.4MHz mode B: 5730.12MHz-5846.12MHz(59channel)						
	1.4MHz mode C: 5729.69MHz-5840.69MHz(38channel)						
	1.4MHz mode D: 5731.31MHz-5842.31MHz(38channel)						
	3MHz mode A: 5727.5MHz-5844.5MHz(40channel)						
	3MHz mode B: 5730.2MHz-5847.2MHz(40channel)						
	3MHz mode C: 5730.88MHz-5840.88MHz(23channel)						
	3MHz mode D: 5734.12MHz-5844.12MHz(23channel)						
	5MHz mode A: 5732.5MHz-5842.5MHz(23channel)						
	5MHz mode B: 5733.26MHz-5835.26MHz(103channel)						
	5MHz mode C: 5739.74MHz-5841.74MHz(103channel)						
	10MHz mode A: 5730.5MHz-5844.5MHz(115channel)						
	10MHz mode B: 5731.75MHz-5829.75MHz(99channel)						
	10MHz mode C: 5745.25MHz-5843.25MHz(99channel)						
	20MHz: 5735.5MHz-5839.5MHz(105channel)						
	40MHz: 5745.5MHz-5829.5MHz(85channel)						
	60MHz: 5755.5MHz-5819.5MHz(65channel)						
	80MHz: 5765.5MHz-5809.5MHz(45channel)						
Modulation Type:	OFDM						
Channel Spacing:	5.1G SDR						
	10MHz: 1MHz						
	20MHz: 1MHz						
	40MHz: 1MHz						
	5.8G SDR						
	1.4MHz mode A: 2MHz						
	1.4MHz mode B: 2MHz						



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	1.4MHz mode D: 3MHz				
	3MHz mode A: 3MHz				
	3MHz mode B: 3MHz				
	3MHz mode C: 5MHz				
	3MHz mode D: 5MHz				
	5MHz mode A: 5MHz				
	5MHz mode B: 1MHz				
	5MHz mode C: 1MHz				
	10MHz mode A: 1MHz				
	10MHz mode B: 1MHz				
	10MHz mode C: 1MHz				
	20MHz: 1MHz				
	40MHz: 1MHz				
	60MHz: 1MHz				
	80MHz: 1MHz				
Antenna Type:	Internal Antennas				
Antenna Gain:	5.1GHz: Ant 0:1.5dBi; Ant 1:1.5dBi				
	5.8GHz: Ant 0:4dBi; Ant 1:4dBi				
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4.2 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
Daniel III	

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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4.3 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.

4.4 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.

4.5 Deviation from Standards

None

4.6 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	2025-01-08	2026-01-07	
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	

Maximum Conducted output power					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Power Sensor	TST PASS	TSPS2023R	SEM009-26	2024-03-27	2025-03-26
Power Sensor	KEYSIGHT	U2021XA	SEM009-16	2024-03-14	2025-03-13
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	SGS	N/A	SEM031-01	2024-07-06	2025-07-05
Attenuator	Huber+Suhner	6620_SMA-50- 1	SEM021-09	2024-03-27	2025-03-26
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2024-03-19	2025-03-18



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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		
Signal & Spectrum Analyzer	Rohde & Schwarz	FSV	SZ-WRG-M-048	2025-01-07	2026-01-06		
Low Noise Amplifier 1G- 18GHz	Tonscend	TAP01018050	SZ-WRG-M-051	2025-01-07	2026-01-06		
Low Noise Amplifier 18G-40GHz	Tonscend	TAP18040048	SZ-WRG-M-052	2025-01-08	2026-01-07		
Double Ridge Horn Antenna 1GHz-18GHz	SCHWARZBECK	BBHA 9120 D	SZ-WRG-M-055	2023-12-21	2025-12-20		
SHF-EHF Horn 15GHz- 40GHz	SCHWARZBECK	BBHA 9170	SZ-WRG-M-056	2023-12-25	2025-12-24		
RSE Test Software	AUDIX	e3 V8.2014-6- 27	N/A	N/A	N/A		
Chamber	CRTSGSSAC966	N/A	SZ-WRG-C-063	2025-01-06	2028-01-05		
Humidity and Temperature Indicator	deli	8838	SEM002-46	2024-07-24	2025-07-23		



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Radiated Emissions which fall in the restricted bands							
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date		
Signal & Spectrum Analyzer	Rohde & Schwarz	FSV	SZ-WRG-M-048	2025-01-07	2026-01-06		
Low Noise Amplifier 30M-8GHz	Tonscend	TAP30M8G30	SZ-WRG-M-050	2025-01-07	2026-01-06		
Double Ridge Horn Antenna 1GHz-18GHz	SCHWARZBECK	BBHA 9120 D	SZ-WRG-M-055	2023-12-21	2025-12-20		
SHF-EHF Horn 15GHz- 40GHz	SCHWARZBECK	BBHA 9170	SZ-WRG-M-056	2023-12-25	2025-12-24		
RSE Test Software	AUDIX	e3 V8.2014-6- 27	N/A	N/A	N/A		
Chamber	CRTSGSSAC966	N/A	SZ-WRG-C-063	2025-01-06	2028-01-05		
Humidity and Temperature Indicator	deli	8838	SEM002-46	2024-07-24	2025-07-23		

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	SGS	N/A	SEM031-01	2024-07-06	2025-07-05
Attenuator	Huber+Suhner	6620_SMA-50- 1	SEM021-09	2024-03-27	2025-03-26
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2024-03-19	2025-03-18

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 Meteorological Industry Factory	DYM3	SEM002-01	2024-03-18	2025-03-17	



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Radio Spectrum Technical Requirement 6

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 a Internal Antenna, and the connection port is integrated inside the product, and the antenna cannot be replaced.

5.1GHz: Ant 0:1.5dBi; Ant 1:1.5dBi; the directional gain is:4.51dBi. 5.8GHz: Ant 0:4dBi; Ant 1:4dBi; 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

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:

Frequency of emission(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

7.1.2 Test Mode Description					
Pre-scan / Final test	Mode Code	Description			
Final test	15	TX mode (5.8G SDR_1.4MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter			
Pre-scan	17	TX mode (5.8G SDR_3MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter			
Pre-scan	19	TX mode (5.8G SDR_5MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter			
Pre-scan	21	TX mode (5.8G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter			
Pre-scan	23	TX mode (5.8G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter			
Pre-scan	25	TX mode (5.8G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter			
Pre-scan	27	TX mode (5.8G SDR_60MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter			
Pre-scan	29	TX mode (5.8G SDR_80MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter			
Pre-scan	31	TX mode (5.1G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter			



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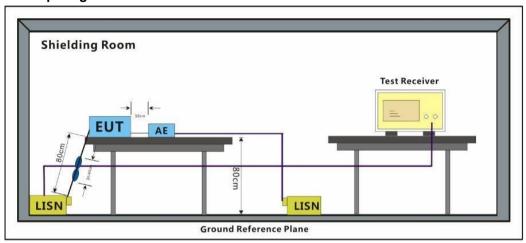


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Pre-scan	33	TX mode (5.1G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	35	TX mode (5.1G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter

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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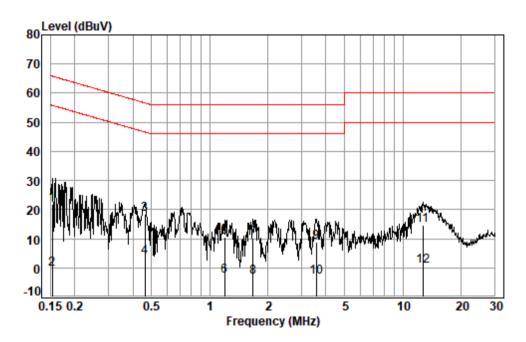


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Test Mode: 15: Line: Live line



: Shielding Room

Condition: Line Job No. : 00492AT

Test mode: 15

			Cable	LISN	Read		Limit	0ver	
		Freq	Loss	Factor	Level	Level	Line	Limit	Remark
	-	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1		0.1532	0.06	10.19	11.62	21.87	65.82	-43.95	QP
2		0.1532	0.06	10.19	-10.52	-0.27	55.82	-56.09	Average
3	*	0.4612	0.08	9.59	8.58	18.25	56.67	-38.42	QP
4	*	0.4612	0.08	9.59	-5.92	3.75	46.67	-42.92	Average
5		1.1970	0.09	9.58	0.92	10.59	56.00	-45.41	QP
6		1.1970	0.09	9.58	-12.65	-2.98	46.00	-48.98	Average
7		1.6802	0.10	9.58	0.67	10.35	56.00	-45.65	QP
8		1.6802	0.10	9.58	-12.75	-3.07	46.00	-49.07	Average
9		3.5654	0.11	9.65	-0.83	8.93	56.00	-47.07	QP
10		3.5654	0.11	9.65	-13.03	-3.27	46.00	-49.27	Average
11		12.7161	0.24	9.83	4.40	14.47	60.00	-45.53	QP
12		12.7161	0.24	9.83	-9.48	0.59	50.00	-49.41	Average

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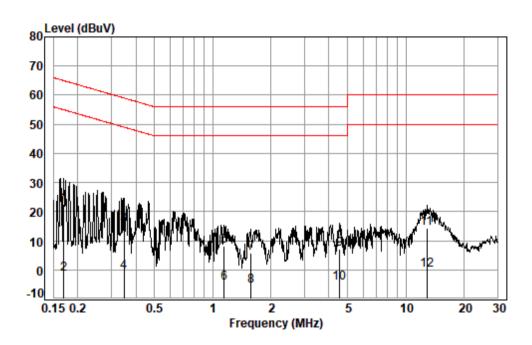


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Test Mode: 15; Line: Neutral Line



: Shielding Room

Condition: Neutral Job No. : 00492AT

Test mode: 15

		Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	*	0.1694	0.06	10.12	12.23	22.41	64.99	-42.58	QP
2		0.1694	0.06	10.12	-11.64	-1.46	54.99	-56.45	Average
3		0.3483	0.07	9.75	5.99	15.81	59.00	-43.19	QP
4	*	0.3483	0.07	9.75	-10.70	-0.88	49.00	-49.88	Average
5		1.1473	0.09	9.54	-1.56	8.07	56.00	-47.93	QP
6		1.1473	0.09	9.54	-14.20	-4.57	46.00	-50.57	Average
7		1.5767	0.10	9.55	-3.89	5.76	56.00	-50.24	QP
8		1.5767	0.10	9.55	-15.27	-5.62	46.00	-51.62	Average
9		4.5494	0.12	9.56	-2.61	7.07	56.00	-48.93	QP
10		4.5494	0.12	9.56	-14.25	-4.57	46.00	-50.57	Average
11		12.8516	0.24	9.75	4.31	14.30	60.00	-45.70	QP
12		12.8516	0.24	9.75	-10.23	-0.24	50.00	-50.24	Average

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7.2 Maximum Conducted output power

47 CFR Part 15, Subpart E 15.407 (a) Test Requirement Test Method: ANSI C63.10 (2013) Section 12.3

Limit:

Frequen	cy band(MHz)	Limit		
5150-	E250	≤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 in of continuous transmission using instrumentation calibrated in terms rms-equivalent voltage.				

7.2.1 E.U.T. Operation

Operating Environment:

Atmospheric Pressure: 1020 mbar Temperature: 28.7 °C Humidity: 45.5 % RH

7.2.2 Test Mode Description

7.2.2 TC3t W	7.2.2 Test Mode Description						
Pre-scan / Final test	Mode Code	Description					
Final test	14	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode					
Final test	16	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode					
Final test	18	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode					
Final test	20	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode					
Final test	22	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode					
Final test	24	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode					
Final test	26	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode					
Final test	28	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode					
Final test	30	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode					
Final test	32	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode					
Final test	34	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode					



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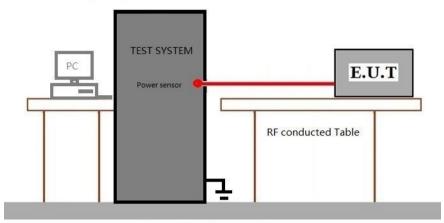


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7.2.3 Test Setup Diagram



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: ANSI C63.10 (2013) Section 6.4,6.5

Measurement Distance: 3m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
960-1000	500	3

7.3.1 E.U.T. Operation

Operating Environment:

23.2 °C Temperature: Humidity: 45.6 % RH Atmospheric Pressure: 1020 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	14	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode
Final test	15	TX mode (5.8G SDR_1.4MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	16	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode
Pre-scan	17	TX mode (5.8G SDR_3MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	18	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode
Pre-scan	19	TX mode (5.8G SDR_5MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	20	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode
Pre-scan	21	TX mode (5.8G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	22	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode
Pre-scan	23	TX mode (5.8G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	24	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode
Pre-scan	25	TX mode (5.8G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter



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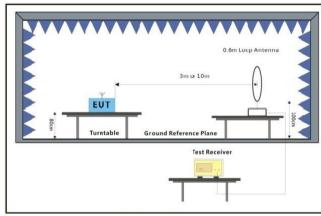
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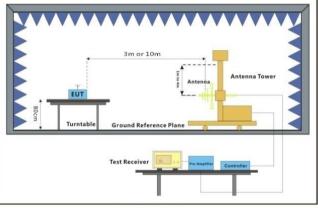
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Pre-scan	26	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode
Pre-scan	27	TX mode (5.8G SDR_60MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	28	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode
Pre-scan	29	TX mode (5.8G SDR_80MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	30	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode
Pre-scan	31	TX mode (5.1G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	32	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode
Pre-scan	33	TX mode (5.1G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	34	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode
Pre-scan	35	TX mode (5.1G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter

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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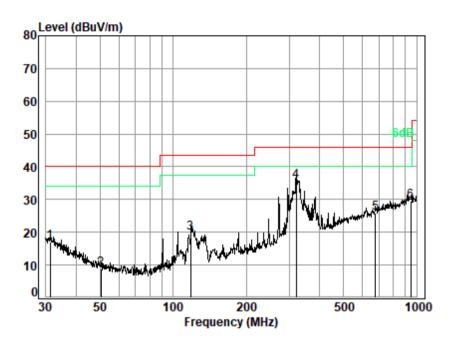


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Test Mode: 15; Polarity: Horizontal



Site : chamber

Condition: 3m HORIZONTAL

Job No. : 00492AT

Test Mode: 15

		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	31.180	20.65	0.68	27.79	23.40	16.94	40.00	-23.06	QP
2	50.409	12.69	0.86	27.73	22.86	8.68	40.00	-31.32	QP
3	118.186	11.18	1.35	27.51	34.89	19.91	43.50	-23.59	QP
4 q	321.061	18.53	2.29	26.84	41.65	35.63	46.00	-10.37	QP
5	677.580	25.78	3.48	27.78	24.43	25.91	46.00	-20.09	QP
6	948.761	28.23	4.25	26.42	23.39	29.45	46.00	-16.55	OP.



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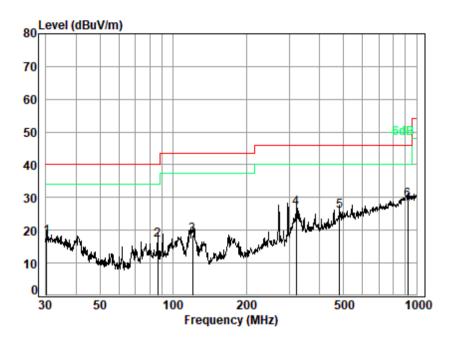


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Test Mode: 15; Polarity: Vertical



Site : chamber

Condition: 3m VERTICAL

Job No. : 00492AT Test Mode: 15

1

2

4

5

Cable Preamp Limit 0ver Ant Read Loss Factor Freq Factor Level Line Limit Remark Level MHz dB/m dB dBuV dBuV/m dBuV/m 30.211 21.10 0.67 27.79 24.00 17.98 40.00 -22.02 QP 86.503 11.24 1.14 27.63 32.40 17.15 40.00 -22.85 QP 120.277 11.09 1.36 27.50 33.71 18.66 43.50 -24.84 QP 321.061 18.53 2.29 26.84 32.81 26.79 46.00 -19.21 QP 482.216 22.80 2.86 27.49 27.66 25.83 46.00 -20.17 OP 4.18 26.60 23.43 29.20 46.00 -16.80 OP 922.516 28.19



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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: ANSI C63.10 (2013) Section 6.6

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.

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 24.5 °C Humidity: 50.8 % RH Atmospheric Pressure: 1020 mbar

7.4.2 Test Mode Description

Pre-scan /	Mode	Description
Final test	Code	Description



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Pre-scan	14	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode
Final test	15	TX mode (5.8G SDR_1.4MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	16	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode
Final test	17	TX mode (5.8G SDR_3MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	18	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode
Final test	19	TX mode (5.8G SDR_5MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	20	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	21	TX mode (5.8G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	22	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	23	TX mode (5.8G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	24	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode
Final test	25	TX mode (5.8G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	26	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode
Final test	27	TX mode (5.8G SDR_60MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	28	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode
Final test	29	TX mode (5.8G SDR_80MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	30	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	31	TX mode (5.1G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	32	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	33	TX mode (5.1G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	34	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode
Final test	35	TX mode (5.1G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter



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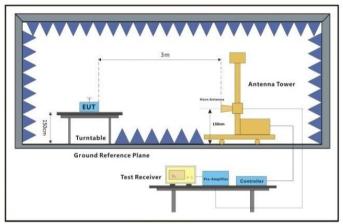


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7.4.3 Test Setup Diagram



Above 1GHz



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7.4.4 Measurement Procedure and Data

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

Remark:

- 1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- 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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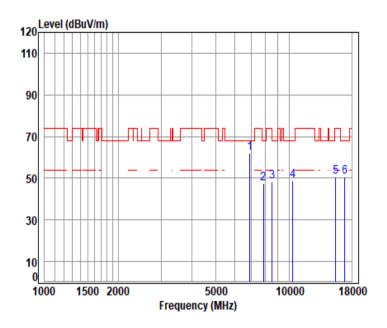


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SDR_40M_Horizontal-L



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5170 TX RSE

. 5 16 SDR 40M

	: 5.10	אעכ ם	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 pp	6895.570	11.37	36.18	56.72	71.44	62.27	68.20	-5.93	peak
2	7863.837	11.46	37.46	56.01	54.33	47.24	68.20	-20.96	peak
3	8505.428	12.29	38.30	55.45	53.30	48.44	68.20	-19.76	peak
4	10340.000	13.60	39.00	53.90	50.08	48.78	68.20	-19.42	peak
5	15510.000	16.92	38.59	54.15	49.09	50.45	74.00	-23.55	peak
6	16864 040	17 92	39 60	54 26	47 56	50 82	68 20	-17 38	neak



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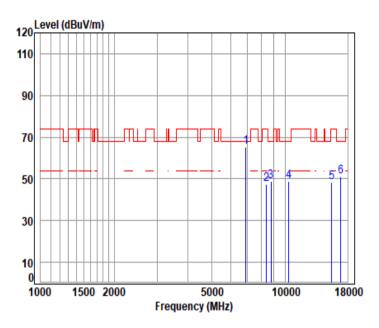


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SDR 40M Vertical-L



Condition: 3m VERTICAL Job No : 00492AT Mode : 5170 TX RSE

. 5 1G SDR //AM

	. 5.1	אטכ ט	4011						
		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	
	6005 570	44 37	26.40	F.C. 70	74.60	65.45	60.00	0.75	
1	pp 6895.570	11.37	36.18	56.72	74.62	65.45	68.20	-2./5	peak
2	8393.547	11.64	38.61	55.55	52.87	47.57	74.00	-26.43	peak
3	8742.585	12.16	38.51	55.23	53.42	48.86	68.20	-19.34	peak
4	10340.000	13.60	39.00	53.90	50.01	48.71	68.20	-19.49	peak
5	15510.000	16.92	38.59	54.15	47.17	48.53	74.00	-25.47	peak
6	16881.220	18.04	39.60	54.26	47.63	51.01	68.20	-17.19	peak



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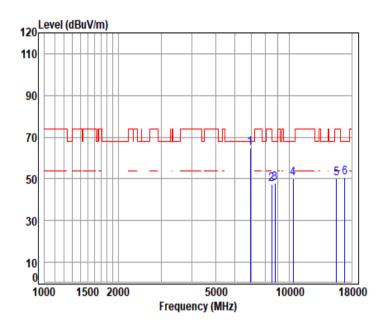


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SDR 40M Horizontal-M



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5200 TX RSE

: 5.1G SDR 40M

		אשב ה	4011							
		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	pp 6930.778	11.37	36.14	56.71	74.16	64.96	68.20	-3.24	peak	
2	8479.478	12.17	38.34	55.47	52.61	47.65	74.00	-26.35	peak	
3	8742.585	12.16	38.51	55.23	52.46	47.90	68.20	-20.30	peak	
4	10400.000	13.62	39.00	53.86	51.54	50.30	68.20	-17.90	peak	
5	15600.000	17.17	38.50	54.12	48.50	50.05	74.00	-23.95	peak	
6	16846.870								•	



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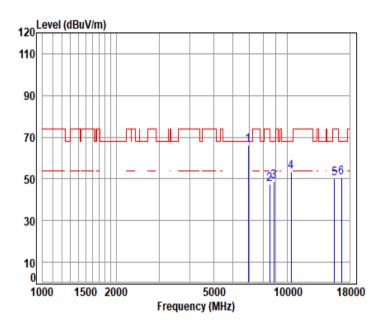


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SDR 40M Vertical-M



Condition: 3m VERTICAL Job No : 00492AT Mode : 5200 TX RSE

. 5 1G SDR //AM

		אטכ ט	4011							
		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	pp 6930.778	11.37	36.14	56.71	75.55	66.35	68.20	-1.85	peak	
2	8488.119	12.23	38.32	55.46	52.37	47.46	74.00	-26.54	peak	
3	8805.143	12.25	38.50	55.18	53.33	48.90	68.20	-19.30	peak	
4	10400.000	13.62	39.00	53.86	54.61	53.37	68.20	-14.83	peak	
5	15600.000	17.17	38.50	54.12	48.56	50.11	74.00	-23.89	peak	
6	16676,140	17,60	39.35	54.20	47.77	50.52	68.20	-17.68	peak	



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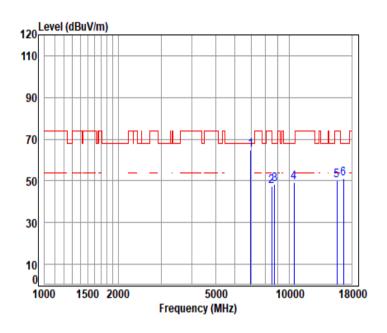


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SDR 40M Horizontal-H



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5230 TX RSE

: 5.1G SDR 40M

		אשב ש	4011							
		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	pp 6973.265	11.37	36.15	56.71	73.86	64.67	68.20	-3.53	peak	
2	8479.478	12.17	38.34	55.47	52.56	47.60	74.00	-26.40	peak	
3	8733.685	12.14	38.53	55.24	52.85	48.28	68.20	-19.92	peak	
4	10460.000	13.63	39.06	53.82	50.56	49.43	68.20	-18.77	peak	
5	15690.000	17.26	38.59	54.09	48.37	50.13	74.00	-23.87	peak	
6	16693.140	17.59	39.39	54.21	48.16	50.93	68.20	-17.27	neak	



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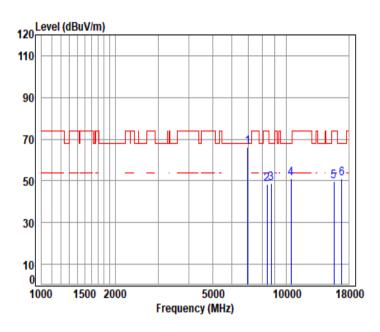


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SDR 40M Vertical-H



Condition: 3m VERTICAL Job No : 00492AT Mode : 5230 TX RSE

: 5.1G SDR 40M

		אשב ש	4011							
		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	pp 6973.265	11.37	36.15	56.71	75.45	66.26	68.20	-1.94	peak	
2	8350.908	11.69	38.70	55.58	53.47	48.28	74.00	-25.72	peak	
3	8680.473	12.06	38.52	55.29	53.38	48.67	68.20	-19.53	peak	
4	10460.000	13.63	39.06	53.82	52.34	51.21	68.20	-16.99	peak	
5	15690.000	17.26	38.59	54.09	47.95	49.71	74.00	-24.29	peak	
6	16846.870	17.80	39.60	54.25	47.73	50.88	68.20	-17.32	neak	



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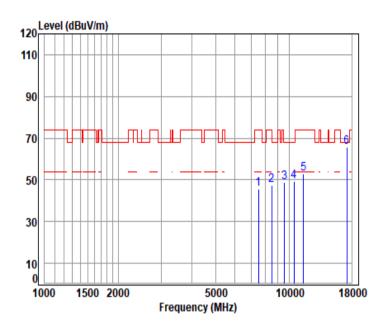


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SDR 5M Horizontal-L



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5732.5 TX RSE

: 5.8G SDR 5M

		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	7480.987	11.28	36.80	56.32	53.83	45.59	74.00	-28.41	peak
2	8479.478	12.17	38.34	55.47	52.19	47.23	74.00	-26.77	peak
3	9572.157	12.47	38.80	54.49	51.89	48.67	68.20	-19.53	peak
4	10448.470	13.63	39.05	53.83	50.45	49.30	68.20	-18.90	peak
5	11465.000	14.76	39.63	53.64	52.12	52.87	74.00	-21.13	peak
6	nn17197,500	17 84	39 90	54 34	62 34	65 74	68 20	-2 46	neak



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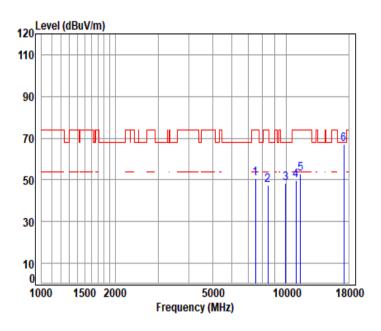


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SDR 5M Vertical-L



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5732.5 TX RSE

· 5 8G SDR 5M

	. 5.04 300 30										
		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	7496.243	11.24	36.80	56.30	59.11	50.85	74.00	-23.15	peak		
2	8410.663	11.70	38.56	55.53	52.76	47.49	74.00	-26.51	peak		
3	9939.788	12.88	38.90	54.15	50.83	48.46	68.20	-19.74	peak		
4	10949.680	14.06	39.35	53.53	49.68	49.56	74.00	-24.44	peak		
5	11465.000	14.76	39.63	53.64	52.13	52.88	74.00	-21.12	peak		
6	nn17197,500	17.84	39.90	54.34	63.57	66.97	68.20	-1.23	neak		



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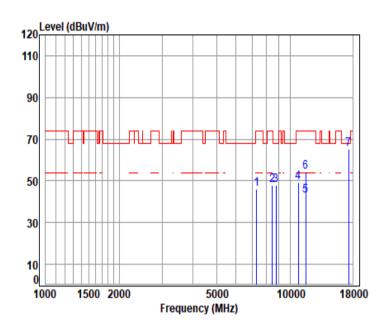


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SDR 5M Horizontal-M



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5782.5 TX RSE

: 5.8G SDR 5M

		u 5011	211						
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MU-					4D. M/m	4D. M/m		
	MHz	dB	ub/m	dB	abuv	abuv/m	abuv/m	dB	
1	7300.327	11.51	36.70	56.46	54.39	46.14	74.00	-27.86	peak
2	8462.222	12.05	38.38	55.48	53.03	47.98	74.00	-26.02	peak
3	8751.494	12.17	38.50	55.22	52.51	47.96	68.20	-20.24	peak
4	10794.640	13.70	39.31	53.62	50.03	49.42	74.00	-24.58	peak
5	av11565.000	14.80	39.60	53.67	42.05	42.78	54.00	-11.22	Average
6	11565.000	14.80	39.60	53.67	53.36	54.09	74.00	-19.91	peak
7	nn17347, 500	17.98	40.30	54.37	61.35	65.26	68.20	-2.94	neak



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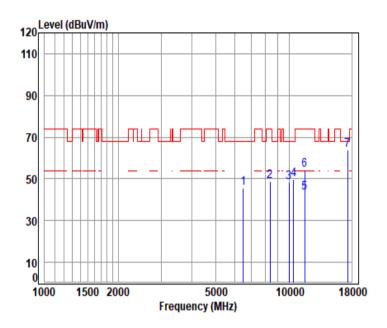


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Report No.: SZCR250200049202

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SDR 5M Vertical-M



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5782.5 TX RSE

: 5.8G SDR 5M

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6500.000	11.67	34.90	56.80	56.06	45.83	68.20	-22.37	peak
2	8350.908	11.69	38.70	55.58	53.90	48.71	74.00	-25.29	peak
3	10000.720	13.01	38.90	54.10	50.53	48.34	68.20	-19.86	peak
4	10405.990	13.62	39.01	53.86	51.03	49.80	68.20	-18.40	peak
5	av11565.000	14.80	39.60	53.67	42.75	43.48	54.00	-10.52	Average
6	11565.000	14.80	39.60	53.67	53.38	54.11	74.00	-19.89	peak
7	pp17347.500	17.98	40.30	54.37	59.79	63.70	68.20	-4.50	peak



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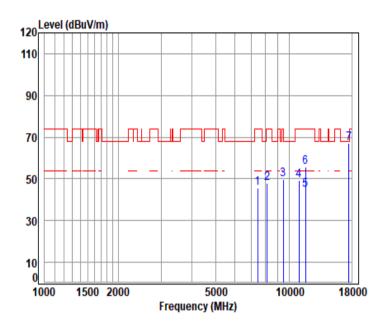


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SDR 5M Horizontal-H



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5842.5 TX RSE

· 5 8G SDR 5M

	. 5.0	אשב ש	Jii						
		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	7442.985	11.38	36.79	56.35	53.64	45.46	74.00	-28.54	peak
2	8132.655	11.49	37.87	55.78	54.11	47.69	74.00	-26.31	peak
3	9446.244	12.42	38.80	54.60	52.96	49.58	74.00	-24.42	peak
4	10960.830	14.09	39.36	53.52	49.39	49.32	74.00	-24.68	peak
5	av11685.000	14.72	39.51	53.71	44.33	44.85	54.00	-9.15	Average
6	11685.000	14.72	39.51	53.71	55.06	55.58	74.00	-18.42	peak
7	pp17527.500	18.80	40.74	54.41	62.01	67.14	68.20	-1.06	peak



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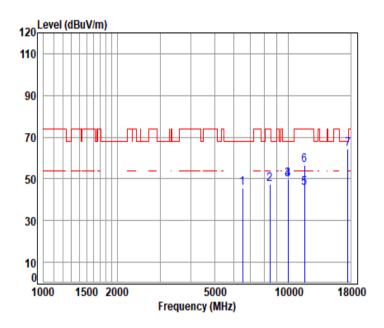


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SDR 5M Vertical-H



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5842.5 TX RSE

: 5.8G SDR 5M

	Freq			Preamp Factor					Remark
	MHz	dB		——dB					
1	6506.624	11 67				·			neak
2	8419.234	11.76	38.52	55.52	52.87	47.63	74.00	-26.37	peak
3 4	10000.720 10000.720								•
5	av11685.000	14.72	39.51	53.71	45.28	45.80	54.00	-8.20	Average
6	11685.000	14.72	39.51	53.71	56.01	56.53	74.00	-17.47	peak
7	pp17527.500	18.80	40.74	54.41	59.32	64.45	68.20	-3.75	peak



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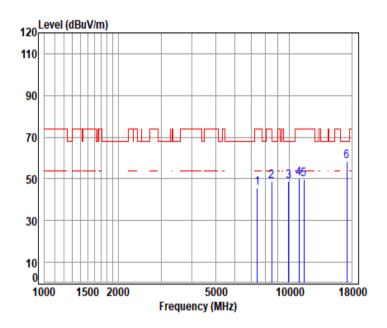


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SDR 20M Horizontal-L



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5735.5 TX RSE

: 5.8G SDR 20M

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	——dB	
1	7420.276	11.45	36.74	56.36	53.71	45.54	74.00	-28.46	peak
2	8496.769	12.29	38.31	55.45	53.56	48.71	74.00	-25.29	peak
3	9949.918	12.90	38.90	54.15	51.27	48.92	68.20	-19.28	peak
4	10972.000	14.11	39.37	53.52	50.20	50.16	74.00	-23.84	peak
5	11471.000	14.81	39.63	53.64	49.14	49.94	74.00	-24.06	peak
6	pp17206.500	17.82	39.92	54.34	54.93	58.33	68.20	-9.87	peak



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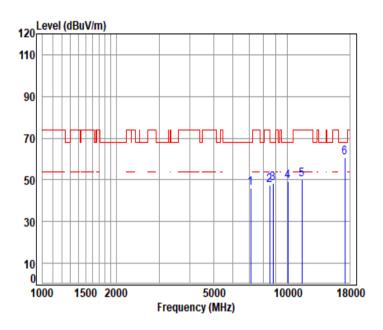


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SDR 20M Vertical-L



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5735.5 TX RSE

: 5.8G SDR 20M

Read Cable Ant Preamp Limit 0ver Loss Factor Factor Level Level Line Limit Remark Freq dBuV dBuV/m dBuV/m MHz dB dB/m dB 7087.840 11.91 36.38 54.34 46.00 68.20 -22.20 peak 1 56.63 8496.769 12.29 38.31 55.45 52.12 47.27 74.00 -26.73 peak 8769.341 12.20 38.50 55.21 53.00 3 48.49 68.20 -19.71 peak 13.20 39.04 54.06 51.21 4 10072.280 49.39 68.20 -18.81 peak 5 11471.000 14.81 39.63 53.64 49.44 50.24 74.00 -23.76 peak 6 pp17206.500 17.82 39.92 54.34 57.11 60.51 68.20 -7.69 peak



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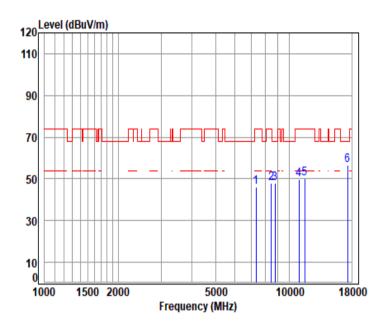


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Report No.: SZCR250200049202

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SDR 20M Horizontal-M



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5787.5 TX RSE

: 5.8G SDR 20M

		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	7330.131	11.51	36.76	56.44	54.17	46.00	74.00	-28.00	peak
2	8445.000	11.94	38.42	55.50	52.97	47.83	74.00	-26.17	peak
3	8769.341	12.20	38.50	55.21	52.61	48.10	68.20	-20.10	peak
4	10983.190	14.13	39.38	53.51	49.64	49.64	74.00	-24.36	peak
5	11575.000	14.76	39.60	53.67	49.35	50.04	74.00	-23.96	peak
6	pp17362.500	18.03	40.33	54.37	52.64	56.63	68.20	-11.57	peak



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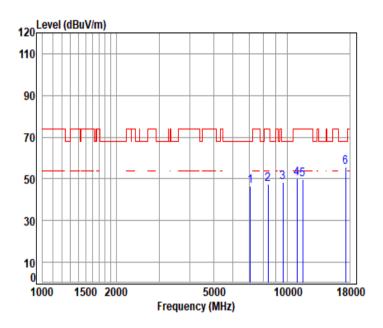


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SDR 20M Vertical-M



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5787.5 TX RSE

: 5.8G SDR 20M

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	——dB	
1	7059.021	11.74	36.32	56.65	54.95	46.36	68.20	-21.84	peak
2	8342.406	11.70	38.58	55.59	52.66	47.35	74.00	-26.65	peak
3	9591.677	12.44	38.80	54.47	51.81	48.58	68.20	-19.62	peak
4	10983.190	14.13	39.38	53.51	50.23	50.23	74.00	-23.77	peak
5	11575.000	14.76	39.60	53.67	49.25	49.94	74.00	-24.06	peak
6	pp17362.500	18.03	40.33	54.37	51.66	55.65	68.20	-12.55	peak



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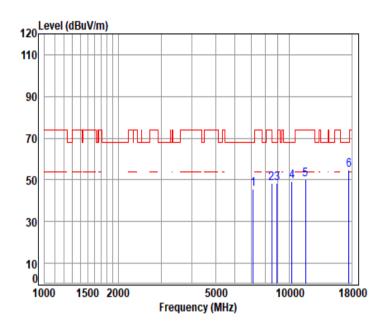


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SDR 20M Horizontal-H



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5839.5 TX RSE

: 5.8G SDR 20M

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7131.289	11.84	36.46	56.59	53.94	45.65	68.20	-22.55	peak
2	8496.769	12.29	38.31	55.45	53.12	48.27	74.00	-25.73	peak
3	8940.705	12.19	38.52	55.05	52.71	48.37	68.20	-19.83	peak
4	10258.650	13.38	39.04	53.94	50.81	49.29	68.20	-18.91	peak
5	11679.000	14.72	39.52	53.70	49.65	50.19	74.00	-23.81	peak
6	pp17518.500	18.68	40.79	54.40	49.75	54.82	68.20	-13.38	peak



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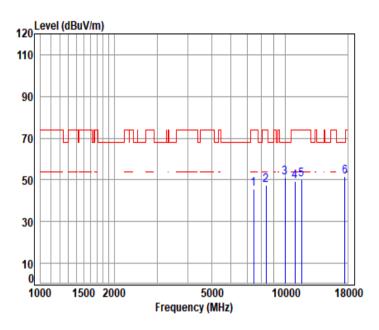


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SDR 20M Vertical-H



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5839.5 TX RSE

: 5.8G SDR 20M

	. 5.0	אושב ש	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	7435.407	11.40	36.77	56.35	53.70	45.52	74.00	-28.48	peak	
2	8350.908	11.69	38.70	55.58	52.59	47.40	74.00	-26.60	peak	
3	9970.208	12.95	38.90	54.13	53.43	51.15	68.20	-17.05	peak	
4	10983.190	14.13	39.38	53.51	49.29	49.29	74.00	-24.71	peak	
5	11679.000	14.72	39.52	53.70	49.75	50.29	74.00	-23.71	peak	
6	pp17518,500	18.68	40.79	54.40	46.64	51.71	68.20	-16.49	neak	



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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: ANSI C63.10 (2013) Section 6.10.5

Measurement Distance: 3m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

- *(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.

7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 24.5 °C Humidity: 50.8 % RH Atmospheric Pressure: 1020 mbar

7.5.2 Test Mode Description

Pre-scan /	Mode	Description
Final test	Code	Description



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Pre-scan	14	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode
Final test	15	TX mode (5.8G SDR_1.4MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	16	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode
Final test	17	TX mode (5.8G SDR_3MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	18	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode
Final test	19	TX mode (5.8G SDR_5MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	20	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	21	TX mode (5.8G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	22	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	23	TX mode (5.8G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	24	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode
Final test	25	TX mode (5.8G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	26	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode
Final test	27	TX mode (5.8G SDR_60MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	28	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode
Final test	29	TX mode (5.8G SDR_80MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	30	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	31	TX mode (5.1G SDR_10MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	32	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	33	TX mode (5.1G SDR_20MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter
Pre-scan	34	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode
Final test	35	TX mode (5.1G SDR_40MHz) + Charging_Keep the EUT in transmitting mode and charged by adapter



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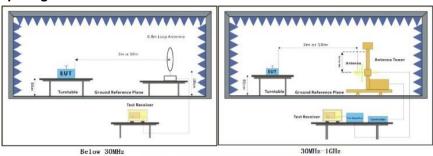


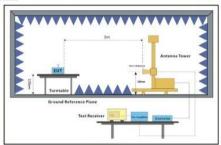
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7.5.3 Test Setup Diagram





Above 1GHz



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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.
- i. 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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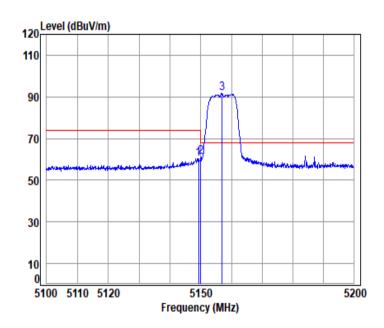


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SDR_10M_Horizontal-Peak-L



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5157 Band edge

: 5.1G SRD 10M

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.257	10.14	32.40	30.84	48.75	60.45	74.00	-13.55	peak
2	5149.980	10.14	32.40	30.84	49.40	61.10	74.00	-12.90	peak
3 n	5157.000	10.17	32.41	30.84	79.76	91.50	68.20	23.30	neak



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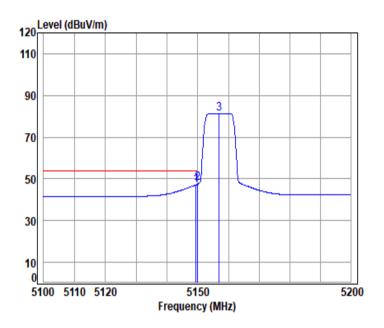


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SDR 10M Horizontal-AVG-L



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5157 Band edge

· 5 1G SRD 10M

			שאכנ	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		5149.458	10.14	32.40	30.84	35.42	47.12	54.00	-6.88	Average	
2	pp	5149.980	10.14	32.40	30.84	35.99	47.69	54.00	-6.31	Average	
3		5157.000	10.17	32.41	30.84	69.64	81.38			Average	



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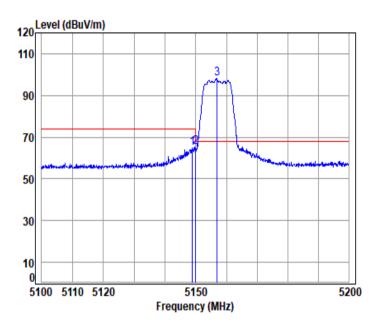


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SDR 10M Vertical-Peak-L



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5157 Band edge

: 5.1G SRD 10M

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Level Level Line Limit Remark Freq dBuV dBuV/m dBuV/m dB dB/m dB 5148.857 10.14 32.40 30.84 53.16 64.86 74.00 -9.14 peak 5149.980 10.14 32.40 30.84 53.42 65.12 74.00 -8.88 peak 3 pp 5157.000 10.17 32.41 30.84 86.18 97.92 68.20 29.72 peak



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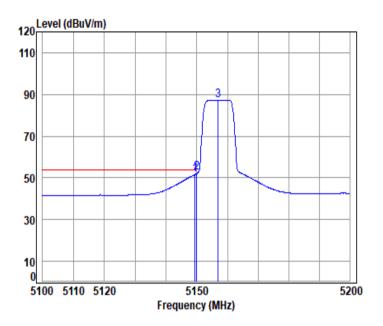


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SDR 10M Vertical-AVG-L



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5157 Band edge

: 5.1G SRD 10M

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Level Level Line Limit Remark Freq dBuV dBuV/m dBuV/m dB dB/m dB 5149.458 10.14 32.40 30.84 39.98 51.68 54.00 -2.32 Average 2 pp 5149.980 10.14 32.40 30.84 40.72 52.42 54.00 -1.58 Average 5157.000 10.17 32.41 30.84 75.51 87.25 ----- Average



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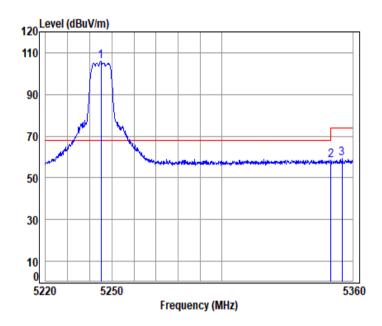


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SDR 10M Horizontal-Peak-H



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5245 Band edge

: 5.1G SRD 10M

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Level Level Line Limit Remark Freq dBuV dBuV/m dBuV/m dB dB/m dB 1 pp 5245.000 10.31 32.59 30.80 93.78 105.88 68.20 37.68 peak 5350.020 10.45 32.80 30.76 45.73 58.22 74.00 -15.78 peak 5355.037 10.47 32.80 30.76 46.63 59.14 74.00 -14.86 peak



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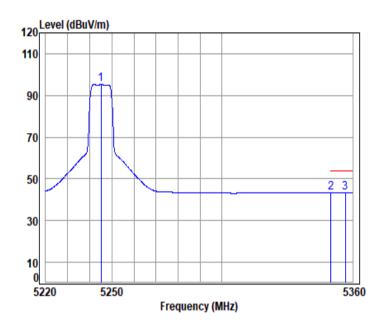


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SDR 10M Horizontal-AVG-H



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5245 Band edge

: 5.1G SRD 10M

		Freq			Preamp Factor					Remark	
	-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		_
1		5245.000	10.31	32.59	30.80	83.13	95.23			Average	
2		5350.020	10.45	32.80	30.76	30.98	43.47	54.00	-10.53	Average	
3	ממ	5356.596	10.47	32.80	30.76	31.06	43.57	54.00	-10.43	Average	



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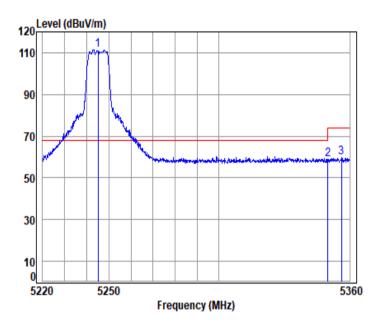


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SDR 10M Vertical-Peak-H



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5245 Band edge

: 5.1G SRD 10M

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Level Level Line Limit Remark Freq dBuV dBuV/m dBuV/m dB dB/m dB 1 pp 5245.000 10.31 32.59 30.80 99.35 111.45 68.20 43.25 peak 5350.020 10.45 32.80 30.76 46.49 58.98 74.00 -15.02 peak 5356.171 10.47 32.80 30.76 47.06 59.57 74.00 -14.43 peak



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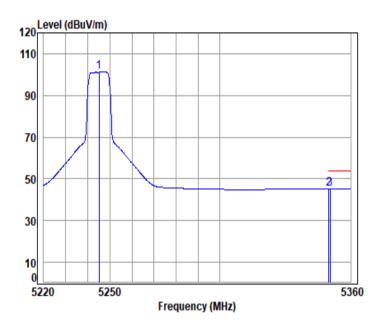


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SDR 10M Vertical-AVG-H



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5245 Band edge

: 5.1G SRD 10M

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Level Level Line Limit Remark Freq dBuV dBuV/m dBuV/m MHz dB dB/m dB 5245.000 10.31 32.59 30.80 89.08 101.18 ----- Average 5350.020 10.45 32.80 30.76 32.80 45.29 54.00 -8.71 Average 3 pp 5350.646 10.45 32.80 30.76 32.80 45.29 54.00 -8.71 Average



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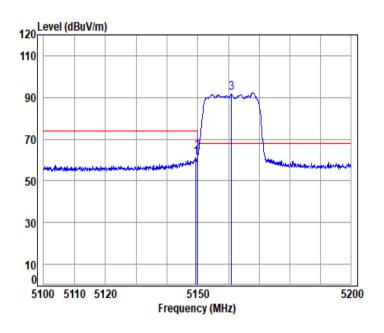


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SDR 20M Horizontal-Peak-L



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5161 Band edge

: 5.1G SRD 20M

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.458	10.14	32.40	30.84	49.38	61.08	74.00	-12.92	peak
2	5149.980	10.14	32.40	30.84	52.29	63.99	74.00	-10.01	peak
3 p	p 5161.000	10.18	32.42	30.84	80.42	92.18	68.20	23.98	peak



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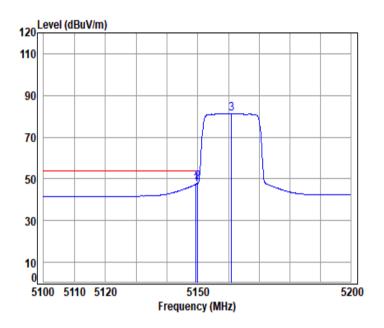


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SDR 20M Horizontal-AVG-L



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5161 Band edge

· 5 16 SRD 20M

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		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	5149.458	10 14	32 40	30 84	35 79	47 49	54 00	-6 51	Average
									_
2 p	5149.980	10.14	32.40	30.84	36.85	48.55	54.00	-5.45	Average
3	5161.000	10.18	32.42	30.84	69.36	81.12			Average



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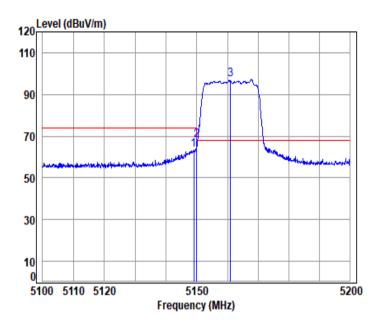


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SDR 20M Vertical-Peak-L



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5161 Band edge

: 5.1G SRD 20M

		Freq			Preamp Factor					Remark	
	-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		_
1		5149.057	10.14	32.40	30.84	51.55	63.25	74.00	-10.75	peak	
2		5149.980	10.14	32.40	30.84	56.18	67.88	74.00	-6.12	peak	
3	pp	5161.000	10.18	32.42	30.84	85.45	97.21	68.20	29.01	peak	



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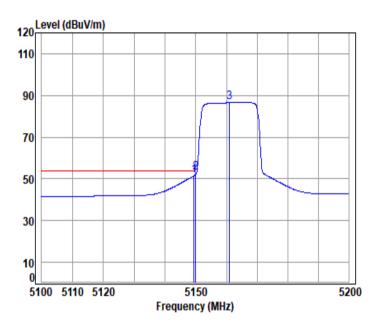


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SDR 20M Vertical-AVG-L



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5161 Band edge

: 5.1G SRD 20M

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Level Level Line Limit Remark Freq dBuV dBuV/m dBuV/m dB/m dB 5149.458 10.14 32.40 30.84 39.91 51.61 54.00 -2.39 Average 2 pp 5149.980 10.14 32.40 30.84 41.21 52.91 54.00 -1.09 Average 5161.000 10.18 32.42 30.84 75.16 86.92 ----- Average



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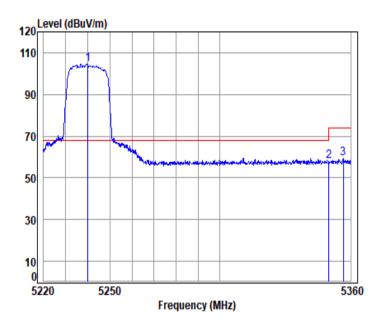


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SDR 20M Horizontal-Peak-H



Condition: 3m HORIZONTAL

Job No : 00492AT

1 2 3

Mode : 5240 Band edge

: 5.1G SRD 20M

	Freq			Preamp Factor					Remark
-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
pp	5240.000 5350.020								•
	5356.596								•



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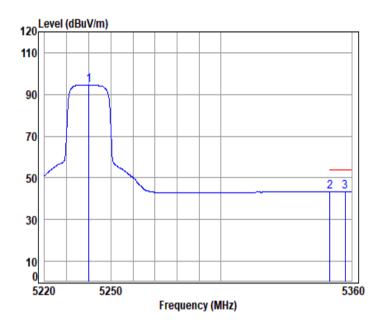


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SDR 20M Horizontal-AVG-H



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5240 Band edge

: 5.1G SRD 20M

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			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		5240.000	10.31	32.58	30.80	82.46	94.55			Average	
2		5350.020	10.45	32.80	30.76	30.79	43.28	54.00	-10.72	Average	
3	pp	5357.022	10.47	32.80	30.76	30.91	43.42	54.00	-10.58	Average	



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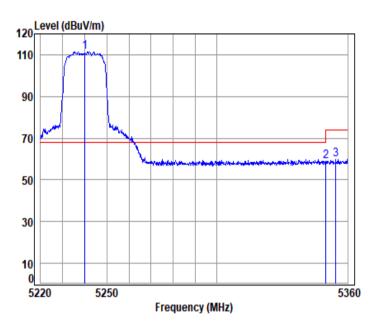


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SDR 20M Vertical-Peak-H



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5240 Band edge

: 5.1G SRD 20M

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Level Level Line Limit Remark Freq dBuV dBuV/m dBuV/m dB dB/m dB 1 pp 5240.000 10.31 32.58 30.80 99.45 111.54 68.20 43.34 peak 5350.020 10.45 32.80 30.76 46.33 58.82 74.00 -15.18 peak 5354.612 10.47 32.80 30.76 47.10 59.61 74.00 -14.39 peak



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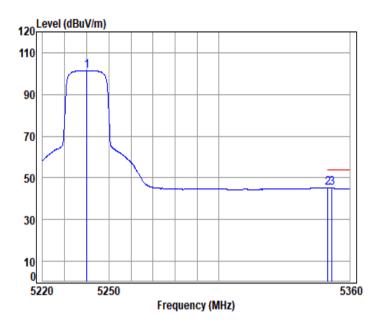


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SDR 20M Vertical-AVG-H



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5240 Band edge

: 5.1G SRD 20M

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Level Level Line Limit Remark Freq dBuV dBuV/m dBuV/m MHz dB dB/m dB 5240.000 10.31 32.58 30.80 89.21 101.30 ----- Average 5350.020 10.45 32.80 30.76 32.47 44.96 54.00 -9.04 Average 3 pp 5351.920 10.46 32.80 30.76 32.48 44.98 54.00 -9.02 Average



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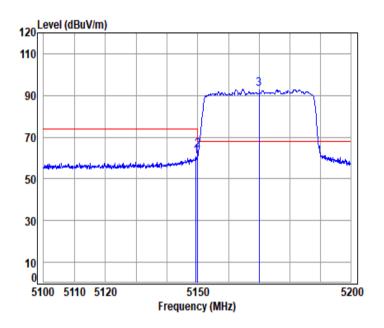


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SDR 40M Horizontal-Peak-L



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5170 Band edge

: 5.1G SRD 40M

		Freq			Preamp Factor					Remark
	-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		5149.458	10.14	32.40	30.84	48.84	60.54	74.00	-13.46	peak
2		5149.980	10.14	32.40	30.84	52.08	63.78	74.00	-10.22	peak
3	pp	5170.000	10.22	32.44	30.83	81.05	92.88	68.20	24.68	peak



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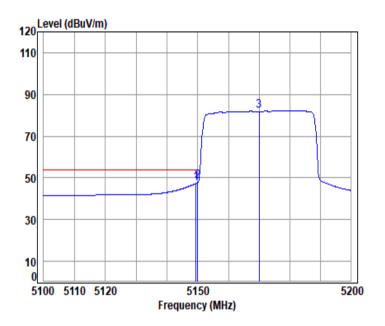


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SDR 40M Horizontal-AVG-L



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5170 Band edge

: 5.1G SRD 40M

			שאכים	4011							
			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		5149.458	10.14	32.40	30.84	35.62	47.32	54.00	-6.68	Average	
2	pp	5149.980	10.14	32.40	30.84	36.77	48.47	54.00	-5.53	Average	
3		5170.000	10.22	32.44	30.83	70.51	82.34			Average	



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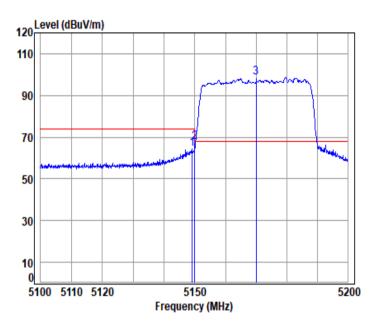


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SDR 40M Vertical-Peak-L



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5170 Band edge

: 5.1G SRD 40M

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Level Level Line Limit Remark Freq dBuV dBuV/m dBuV/m dB dB/m dB 5149.157 10.14 32.40 30.84 52.44 64.14 74.00 -9.86 peak 5149.980 10.14 32.40 30.84 55.80 67.50 74.00 -6.50 peak 3 pp 5170.000 10.22 32.44 30.83 86.77 98.60 68.20 30.40 peak



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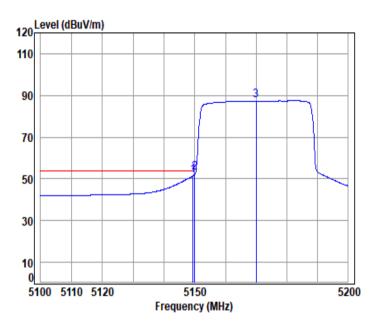


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SDR 40M Vertical-AVG-L



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5170 Band edge

: 5.1G SRD 40M

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Level Level Line Limit Remark Freq dBuV dBuV/m dBuV/m dB dB/m dB 5149.458 10.14 32.40 30.84 39.78 51.48 54.00 -2.52 Average 2 pp 5149.980 10.14 32.40 30.84 41.21 52.91 54.00 -1.09 Average 5170.000 10.22 32.44 30.83 75.74 87.57 ----- Average



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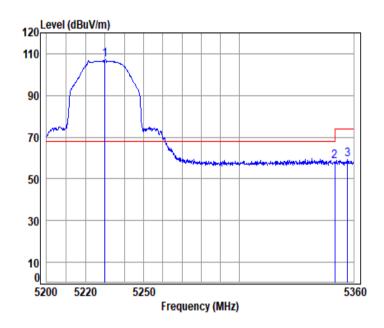


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SDR 40M Horizontal-Peak-H



Condition: 3m HORIZONTAL

Job No : 00492AT

1 2 3

Mode : 5230 Band edge

: 5.1G SRD 40M

	Freq			Preamp Factor					Remark
-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
pp	5230.000 5350.020								•
	5356.915								•



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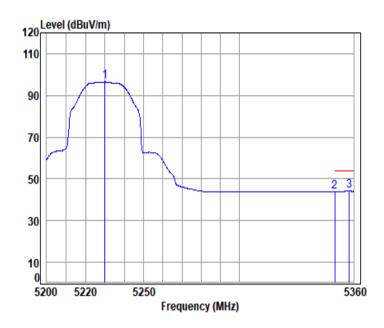


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SDR 40M Horizontal-AVG-H



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5230 Band edge

: 5.1G SRD 40M

		9 2110	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	5230.000	10.31	32.56	30.81	84.46	96.52			Average	
2	5350.020	10.45	32.80	30.76	31.47	43.96	54.00	-10.04	Average	
	5357.727								_	



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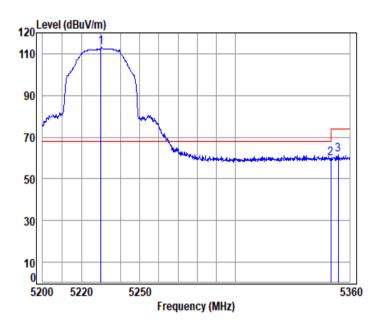


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SDR 40M Vertical-Peak-H



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5230 Band edge

: 5.1G SRD 40M

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Level Level Line Limit Remark Freq dBuV dBuV/m dBuV/m dB dB/m dB 1 pp 5230.000 10.31 32.56 30.81 101.00 113.06 68.20 44.86 peak 5350.020 10.45 32.80 30.76 47.49 59.98 74.00 -14.02 peak 5353.993 10.46 32.80 30.76 49.21 61.71 74.00 -12.29 peak



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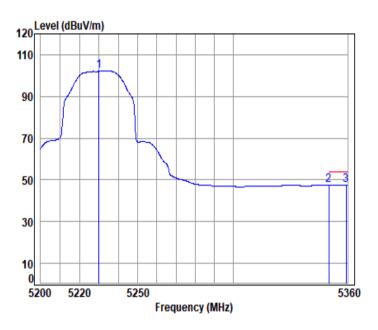


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SDR 40M Vertical-AVG-H



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5230 Band edge

: 5.1G SRD 40M

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Level Level Line Limit Remark Freq dBuV dBuV/m dBuV/m dB dB/m dB 5230.000 10.31 32.56 30.81 90.16 102.22 ----- Average 5350.020 10.45 32.80 30.76 34.78 47.27 54.00 -6.73 Average 3 pp 5359.188 10.48 32.80 30.76 34.96 47.48 54.00 -6.52 Average



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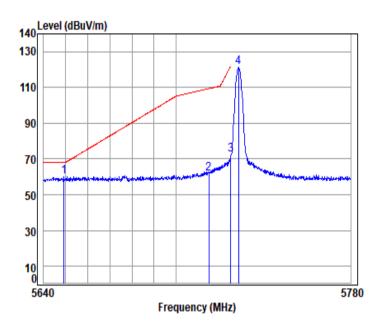


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SDR 1.4M Horizontal-Peak-L



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5728.5 Band edge

: 5.8G SDR 1.4M

	Freq					Level			Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
	5649.135								•
2	5715.000	10.63	33.23	30.61	48.73	61.98	109.40	-47.42	peak
3	5725.000	10.68	33.25	30.61	59.29	72.61	122.20	-49.59	peak
4	5728.500	10.69	33.26	30.61	107.86	121.20			peak



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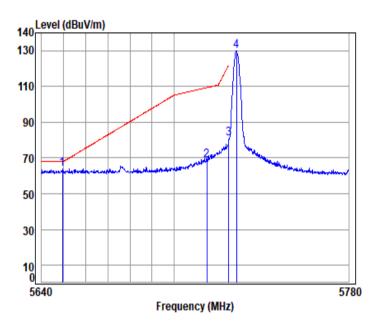


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SDR 1.4M Vertical-Peak-L



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5728.5 Band edge

: 5.8G SDR 1.4M

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Level Level Line Limit Remark Freq dBuV dBuV/m dBuV/m MHz dB/m dB 1 pp 5649.412 10.48 33.10 30.64 50.99 63.93 68.20 -4.27 peak 5715.000 10.63 33.23 30.61 55.20 68.45 109.40 -40.95 peak 5725.000 10.68 33.25 30.61 67.53 80.85 122.20 -41.35 peak 5728.500 10.69 33.26 30.61 116.54 129.88 ----- peak



3

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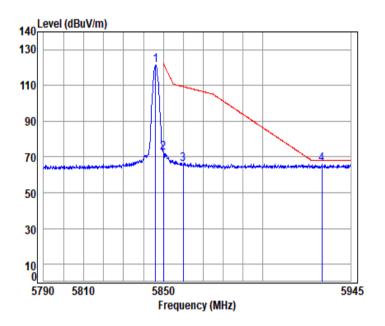


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SDR 1.4M Horizontal-Peak-H



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5846.12 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	5846.120	10.96	33.58	30.56	107.56	121.54			peak
2	5850.000	10.95	33.60	30.56	58.55	72.54	122.20	-49.66	peak
3	5860.000	10.94	33.58	30.56	52.22	66.18	109.40	-43.22	peak
4	5930.412								



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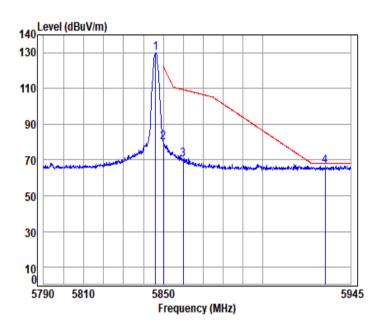


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SDR 1.4M Vertical-Peak-H



Condition: 3m VERTICAL Job No : 00492AT

: 5846.12 Band edge Mode

: 5.8G SDR 1.4M

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Level Level Line Limit Remark Freq dBuV dBuV/m dBuV/m MHz dB/m dB 5846.120 10.96 33.58 30.56 116.17 130.15 ----- peak 5850.000 10.95 33.60 30.56 65.65 79.64 122.20 -42.56 peak 5860.000 10.94 33.58 30.56 56.37 70.33 109.40 -39.07 peak 4 pp 5931.979 10.86 33.56 30.53 52.62 66.51 68.20 -1.69 peak



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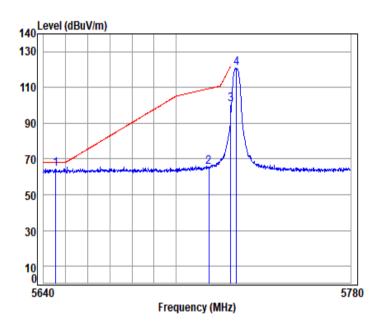


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SDR 3M Horizontal-Peak-L



Condition: 3m HORIZONTAL

Job No : 00492AT

1 2 3

Mode : 5727.5 Band edge

: 5.8G SDR 3M

	Γ						Limit		Damanla
	Freq	LOSS	Factor	Factor	revei	revei	Line	Limit	Kemark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
nn	5645.534	10.48	33.09	30.64	51.52	64.45	68.20	-3.75	neak
	5715.000								
}	5725.000	10.68	33.25	30.61	87.23	100.55	122.20	-21.65	peak
ļ	5727.500	10.69	33.26	30.61	107.27	120.61			peak



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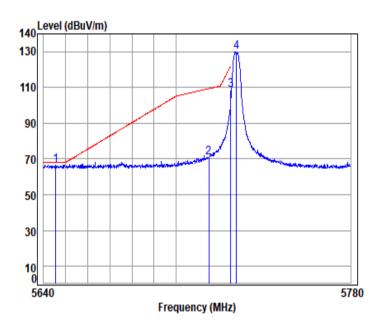


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SDR 3M Vertical-Peak-L



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5727.5 Band edge

: 5.8G SDR 3M

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Level Level Line Limit Remark Freq dBuV dBuV/m dBuV/m MHz dB dB/m dB 1 pp 5645.534 10.48 33.09 30.64 53.84 66.77 68.20 -1.43 peak 5715.000 10.63 33.23 30.61 57.30 70.55 109.40 -38.85 peak 5725.000 10.68 33.25 30.61 95.01 108.33 122.20 -13.87 peak 5727.500 10.69 33.26 30.61 116.44 129.78 ----- peak



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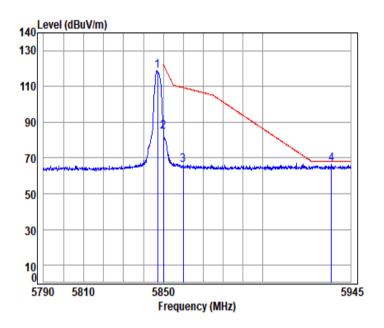


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SDR 3M Horizontal-Peak-H



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5847.2 Band edge

: 5.8G SDR 3M

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Level Level Line Limit Remark Freq dBuV dBuV/m dBuV/m MHz dB dB/m dB 5847.200 10.96 33.59 30.56 104.57 118.56 ----- peak 1 5850.000 10.95 33.60 30.56 70.79 84.78 122.20 -37.42 peak 5860.000 10.94 33.58 30.56 51.84 65.80 109.40 -43.60 peak 4 pp 5935.271 10.86 33.57 30.53 52.84 66.74 68.20 -1.46 peak



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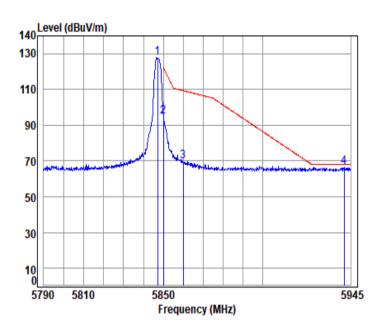


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SDR 3M Vertical-Peak-H



Condition: 3m VERTICAL Job No : 00492AT

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	10.96	33.59	30.56	113.86	127.85			peak
2	5850.000	10.95	33.60	30.56	80.59	94.58	122.20	-27.62	peak
3	5860.000	10.94	33.58	30.56	55.80	69.76	109.40	-39.64	peak
	op 5941.703								



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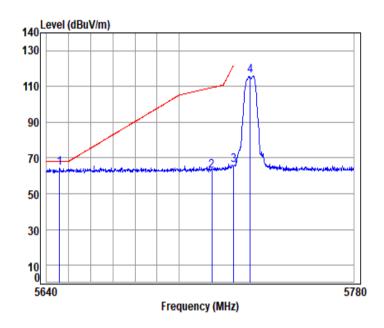


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SDR 5M Horizontal-Peak-L



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5732.5 Band edge

: 5.8G SDR 5M

		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 pp	5645.811	10.48	33.09	30.64	51.46	64.39	68.20	-3.81	peak
2	5715.000	10.63	33.23	30.61	49.78	63.03	109.40	-46.37	peak
3	5725.000	10.68	33.25	30.61	52.44	65.76	122.20	-56.44	peak
	5732.500								-



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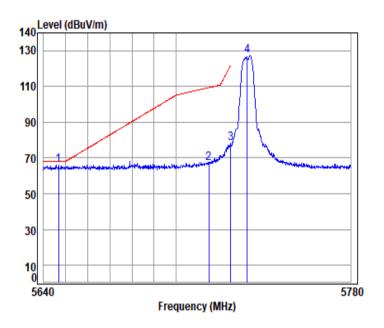


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SDR 5M Vertical-Peak-L



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5732.5 Band edge

: 5.8G SDR 5M

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Level Level Line Limit Remark Freq dBuV dBuV/m dBuV/m MHz dB dB/m dB 1 pp 5646.780 10.48 33.09 30.64 53.15 66.08 68.20 -2.12 peak 5715.000 10.63 33.23 30.61 53.71 66.96 109.40 -42.44 peak 5725.000 10.68 33.25 30.61 64.78 78.10 122.20 -44.10 peak 5732.500 10.71 33.26 30.61 113.90 127.26 ----- peak



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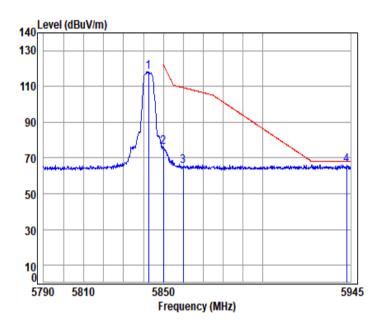


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SDR 5M Horizontal-Peak-H



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5842.5 Band edge

: 5.8G SDR 5M

			u 2011	211						
			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		5842.500	10.96	33.57	30.56	104.08	118.05			peak
2		5850.000	10.95	33.60	30.56	62.04	76.03	122.20	-46.17	peak
3		5860.000	10.94	33.58	30.56	51.35	65.31	109.40	-44.09	peak
4	pp	5942.958	10.86	33.59	30.52	52.25	66.18	68.20	-2.02	peak



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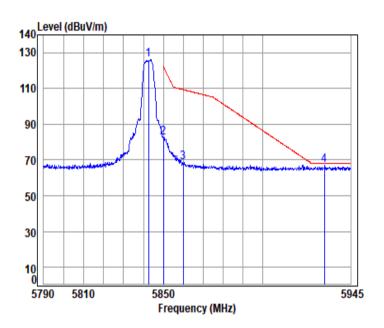


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SDR 5M Vertical-Peak-H



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5842.5 Band edge

: 5.8G SDR 5M

	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	
		•				•		
5842.500	10.96	33.57	30.56	112.28	126.25			peak
5850.000	10.95	33.60	30.56	68.47	82.46	122.20	-39.74	peak
5860.000	10.94	33.58	30.56	54.81	68.77	109.40	-40.63	peak
								•
	MHz 5842.500 5850.000 5860.000	Freq Loss MHz dB 5842.500 10.96 5850.000 10.95 5860.000 10.94	Freq Loss Factor MHz dB dB/m 5842.500 10.96 33.57 5850.000 10.95 33.60 5860.000 10.94 33.58	Freq Loss Factor Factor MHz dB dB/m dB 5842.500 10.96 33.57 30.56 5850.000 10.95 33.60 30.56 5860.000 10.94 33.58 30.56	Freq Loss Factor Factor Level MHz dB dB/m dB dBuV 5842.500 10.96 33.57 30.56 112.28 5850.000 10.95 33.60 30.56 68.47 5860.000 10.94 33.58 30.56 54.81	Freq Loss Factor Factor Level Level MHz dB dB/m dB dB dBuV dBuV/m 5842.500 10.96 33.57 30.56 112.28 126.25 5850.000 10.95 33.60 30.56 68.47 82.46 5860.000 10.94 33.58 30.56 54.81 68.77	Freq Loss Factor Factor Level Level Line MHz dB dB/m dB dBw dBuV/m dBuV/m dBuV/m dBuV/m 5842.500 10.96 33.57 30.56 112.28 126.25 5850.000 10.95 33.60 30.56 68.47 82.46 122.20 5860.000 10.94 33.58 30.56 54.81 68.77 109.40	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 5842.500 10.96 33.57 30.56 112.28 126.25 5850.000 10.95 33.60 30.56 68.47 82.46 122.20 -39.74 5860.000 10.94 33.58 30.56 54.81 68.77 109.40 -40.63 5931.665 10.86 33.56 30.53 53.22 67.11 68.20 -1.09



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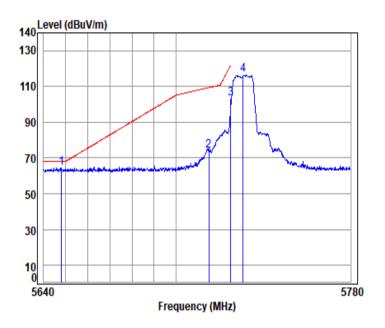


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SDR 10M Horizontal-Peak-L



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5730.5 Band edge

: 5.8G SDR 10M

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Level Level Line Limit Remark Freq dBuV dBuV/m dBuV/m MHz dB/m dB 1 pp 5648.026 10.48 33.10 30.64 51.62 64.56 68.20 -3.64 peak 5715.000 10.63 33.23 30.61 60.96 74.21 109.40 -35.19 peak 5725.000 10.68 33.25 30.61 89.98 103.30 122.20 -18.90 peak 5730.500 10.70 33.26 30.61 103.03 116.38 ----- peak



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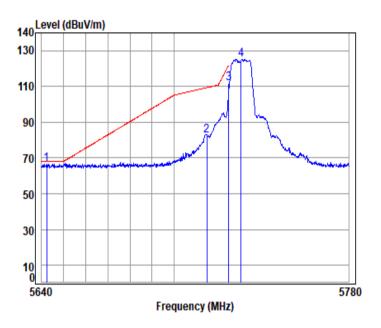


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SDR 10M Vertical-Peak-L



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5730.5 Band edge

: 5.8G SDR 10M

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Level Level Line Limit Remark Freq dBuV dBuV/m dBuV/m MHz dB dB/m dB 1 pp 5642.352 10.47 33.08 30.64 53.77 66.68 68.20 -1.52 peak 5715.000 10.63 33.23 30.61 69.34 82.59 109.40 -26.81 peak 5725.000 10.68 33.25 30.61 98.69 112.01 122.20 -10.19 peak 5730.500 10.70 33.26 30.61 111.76 125.11 ----- peak



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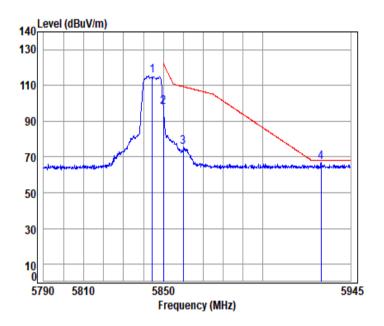


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SDR_10M_Horizontal-Peak-H



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5844.5 Band edge

: 5.8G SDR 10M

		. 5.0	יועכ ט	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	10.96	33.58	30.56	101.33	115.31			peak
2		5850.000	10.95	33.60	30.56	84.07	98.06	122.20	-24.14	peak
3		5860.000	10.94	33.58	30.56	61.49	75.45	109.40	-33.95	peak
1	nn	5929 942	10 87	33 56	30 53	53 01	66 91	68 20	-1 29	neak



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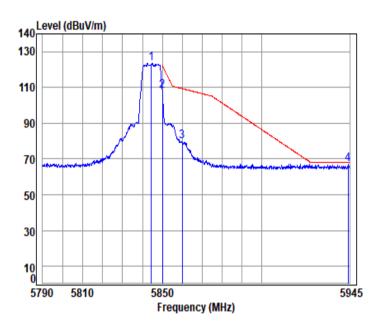


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SDR 10M Vertical-Peak-H



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5844.5 Band edge

: 5.8G SDR 10M

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Level Level Line Limit Remark Freq dBuV dBuV/m dBuV/m MHz dB/m dB 5844.500 10.96 33.58 30.56 109.32 123.30 ----- peak 1 5850.000 10.95 33.60 30.56 94.11 108.10 122.20 -14.10 peak 5860.000 10.94 33.58 30.56 65.98 79.94 109.40 -29.46 peak 4 pp 5944.215 10.85 33.59 30.52 53.05 66.97 68.20 -1.23 peak



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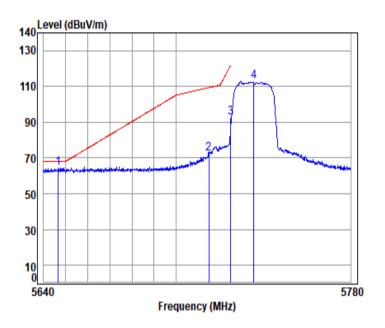


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SDR 20M Horizontal-Peak-L



Condition: 3m HORIZONTAL

Job No : 00492AT

1 2 3

Mode : 5735.5 Band edge

: 5.8G SDR 20M

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
pp	5646.642 5715.000								
	5725.000 5735.500								•



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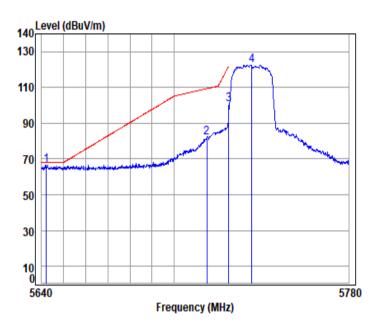


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SDR 20M Vertical-Peak-L



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5735.5 Band edge

: 5.8G SDR 20M

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Level Level Line Limit Remark Freq dBuV dBuV/m dBuV/m MHz dB dB/m dB 1 pp 5642.213 10.47 33.08 30.64 53.53 66.44 68.20 -1.76 peak 5715.000 10.63 33.23 30.61 68.90 82.15 109.40 -27.25 peak 5725.000 10.68 33.25 30.61 87.10 100.42 122.20 -21.78 peak 5735.500 10.72 33.27 30.61 108.96 122.34 ----- peak



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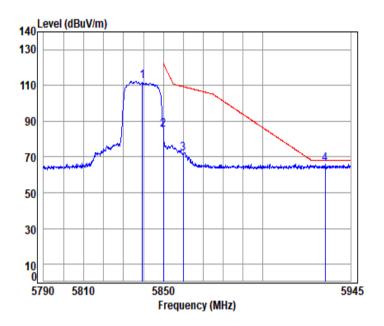


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SDR 20M Horizontal-Peak-H



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5839.5 Band edge

: 5.8G SDR 20M

		3 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	
			,						
1	5839.500	10.97	33.56	30.56	98.53	112.50			peak
2	5850.000	10.95	33.60	30.56	71.04	85.03	122.20	-37.17	peak
3	5860.000	10.94	33.58	30.56	58.14	72.10	109.40	-37.30	peak
Λ	nn 5031 070	10 86	33 56	30 53	52 0/	65 93	68 20	_2 27	noak



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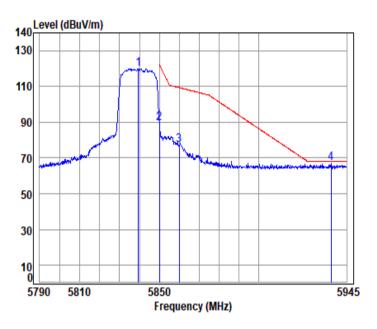


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SDR 20M Vertical-Peak-H



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5839.5 Band edge

: 5.8G SDR 20M

	Freq						Limit Line		
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5839.500	10.97	33.56	30.56	105.99	119.96			peak
2	5850.000	10.95	33.60	30.56	75.64	89.63	122.20	-32.57	peak
3	5860.000	10.94	33.58	30.56	63.46	77.42	109.40	-31.98	peak
4 pp	5936.996	10.86	33.57	30.53	52.99	66.89	68.20	-1.31	peak



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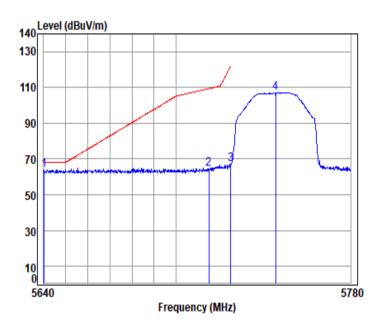


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SDR 40M Horizontal-Peak-L



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5745.5 Band edge

: 5.8G SDR 40M

		u 5011	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 pp	5640.276	10.47	33.08	30.64	51.17	64.08	68.20	-4.12	peak
2	5715.000	10.63	33.23	30.61	51.00	64.25	109.40	-45.15	peak
3	5725.000	10.68	33.25	30.61	53.80	67.12	122.20	-55.08	peak
4	5745.500	10.77	33.29	30.60	93.80	107.26			peak



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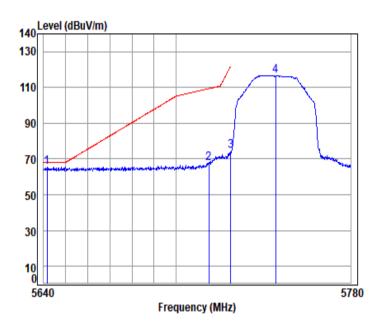


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SDR 40M Vertical-Peak-L



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5745.5 Band edge

: 5.8G SDR 40M

			Ant						
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	——dB	
p	p 5641.521	10.47	33.08	30.64	52.64	65.55	68.20	-2.65	peak
	5715.000	10.63	33.23	30.61	54.09	67.34	109.40	-42.06	peak
	5725.000	10.68	33.25	30.61	61.43	74.75	122.20	-47.45	peak
	5745.500	10.77	33.29	30.60	103.36	116.82			peak



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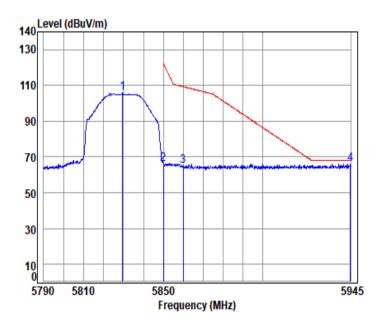


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SDR 40M Horizontal-Peak-H



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5829.5 Band edge

: 5.8G SDR 40M

			u 2011	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		5829.500	10.98	33.52	30.57	91.77	105.70			peak
		5850.000								
3		5860.000	10.94	33.58	30.56	51.21	65.17	109.40	-44.23	peak
4	pp	5944.843	10.85	33.59	30.52	52.02	65.94	68.20	-2.26	peak



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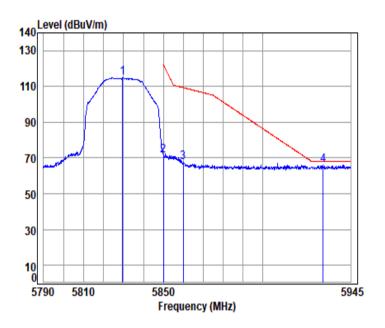


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SDR 40M Vertical-Peak-H



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5829.5 Band edge

: 5.8G SDR 40M

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Level Level Line Limit Remark Freq dBuV dBuV/m dBuV/m MHz dB/m dB 5829.500 10.98 33.52 30.57 101.05 114.98 ----- peak 1 5850.000 10.95 33.60 30.56 57.54 71.53 122.20 -50.67 peak 5860.000 10.94 33.58 30.56 53.90 67.86 109.40 -41.54 peak 4 pp 5931.039 10.87 33.56 30.53 52.02 65.92 68.20 -2.28 peak



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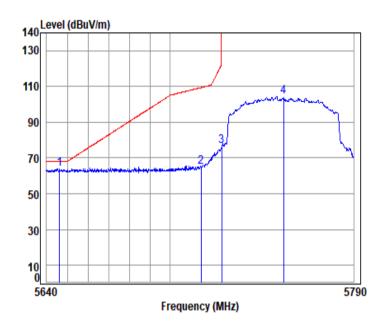


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SDR 60M Horizontal-Peak-L



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5755.5 Band edge

: 5.8G SDR 60M

			0011						
		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 pp	5646.369	10.48	33.09	30.64	50.72	63.65	68.20	-4.55	peak
2	5715.000	10.63	33.23	30.61	51.69	64.94	109.40	-44.46	peak
	5725.000								
4	5755.500	10.82	33.31	30.60	90.68	104.21			peak



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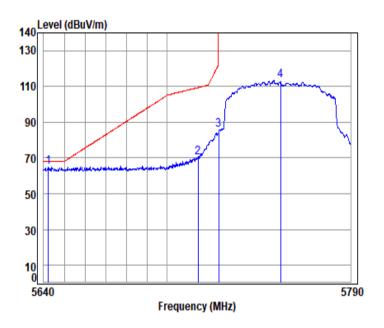


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SDR 60M Vertical-Peak-L



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5755.5 Band edge

: 5.8G SDR 60M

Cable Ant Preamp Read Limit 0ver Loss Factor Factor Level Level Line Limit Remark Freq dBuV dBuV/m dBuV/m MHz dB dB/m dB 1 pp 5642.369 10.47 33.08 30.64 52.20 65.11 68.20 -3.09 peak 5715.000 10.63 33.23 30.61 56.99 70.24 109.40 -39.16 peak 5725.000 10.68 33.25 30.61 72.31 85.63 122.20 -36.57 peak 5755.500 10.82 33.31 30.60 99.60 113.13 ----- peak



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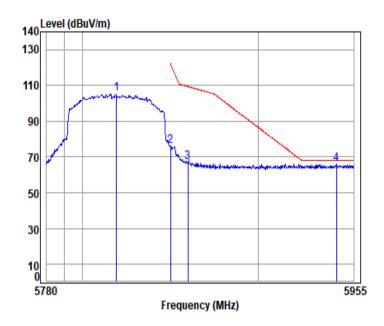


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SDR 60M Horizontal-Peak-H



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5819.5 Band edge

: 5.8G SDR 60M

			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		5819.500	10.99	33.48	30.57	91.31	105.21			peak
2		5850.000	10.95	33.60	30.56	62.05	76.04	122.20	-46.16	peak
3		5860.000	10.94	33.58	30.56	53.16	67.12	109.40	-42.28	peak
4	pp	5945.062								



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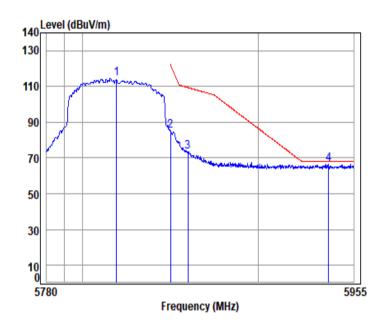


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SDR 60M Vertical-Peak-H



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5819.5 Band edge

: 5.8G SDR 60M

	Freq						Limit Line		Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5819.500	10.99	33.48	30.57	100.45	114.35			peak
2	5850.000	10.95	33.60	30.56	71.14	85.13	122.20	-37.07	peak
3	5860.000	10.94	33.58	30.56	59.37	73.33	109.40	-36.07	peak
4 pp	5940.453	10.86	33.58	30.52	52.53	66.45	68.20	-1.75	peak



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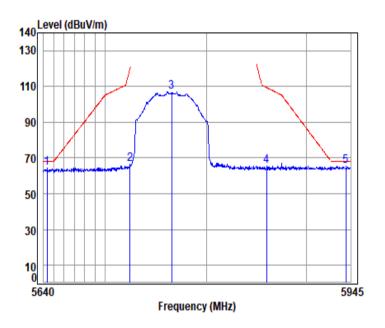


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SDR 80M Horizontal-Peak-L



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5765.5 Band edge

: 5.8G SDR 80M

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5643.269	10.47	33.09	30.64	51.25	64.17	68.20	-4.03	peak
2	5724.088	10.67	33.25	30.61	53.19	66.50	120.12	-53.62	peak
3	5765.500	10.86	33.33	30.59	93.23	106.83			peak
4	5860.135	10.94	33.58	30.56	51.73	65.69	109.36	-43.67	peak
5 pp	5940.305	10.86	33.58	30.52	51.75	65.67	68.20	-2.53	peak



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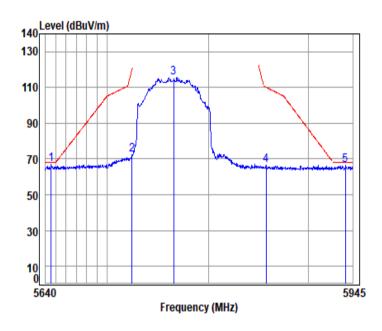


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SDR 80M Vertical-Peak-L



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5765.5 Band edge

: 5.8G SDR 80M

Read Cable Ant Preamp Limit 0ver Loss Factor Factor Level Level Line Limit Remark Freq dBuV dBuV/m dBuV/m MHz dB dB/m dB 1 pp 5645.349 10.48 33.09 30.64 54.08 67.01 68.20 -1.19 Peak 5724.088 10.67 33.25 30.61 58.89 72.20 120.12 -47.92 peak 5765.500 10.86 33.33 30.59 101.99 115.59 ----- peak 5857.357 10.95 33.59 30.56 52.39 66.37 110.14 -43.77 peak 5937.803 10.86 33.58 30.52 52.43 66.35 68.20 -1.85 peak



3

4

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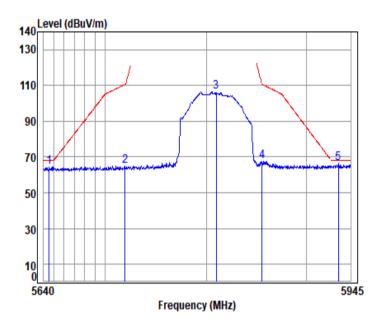


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SDR 80M Horizontal-Peak-H



Condition: 3m HORIZONTAL

Job No : 00492AT

Mode : 5809.5 Band edge

: 5.8G SDR 80M

	. 5.0	יועכ ט	0011							
		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	5645.349	10.48	33.09	30.64	51.45	64.38	68.20	-3.82	peak	
2	5719.267	10.65	33.24	30.61	51.66	64.94	110.60	-45.66	peak	
3	5809.500	11.01	33.44	30.58	92.75	106.62			peak	
	5855.199								•	
	nn 5932 489								-	



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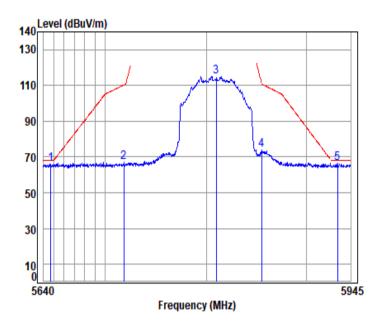


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SDR 80M Vertical-Peak-H



Condition: 3m VERTICAL Job No : 00492AT

Mode : 5809.5 Band edge

· 5 8G SDR 80M

			אשב ש	0011						
			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		5647.133	10.48	33.09	30.64	52.99	65.92	68.20	-2.28	peak
2		5718.364	10.64	33.24	30.61	53.68	66.95	110.34	-43.39	peak
3		5809.500	11.01	33.44	30.58	101.03	114.90			peak
4		5854.890	10.95	33.59	30.56	59.89	73.87	111.05	-37.18	peak
5	nn	5931.864								•



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7.6 Duty Cycle

Test Requirement ANSI C63.10 (2013) Section 12.2 Test Method: ANSI C63.10 (2013) Section 12.2

7.6.1 E.U.T. Operation

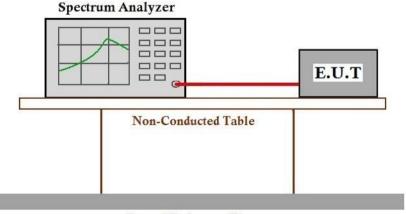
Operating Environment:

Temperature: 28.7 °C Atmospheric Pressure: 1020 mbar Humidity: 45.5 % RH

7.6.2 Test Mode Description

7.0.2 Test mode Description									
Pre-scan / Final test	Mode Code	Description							
Final test	14	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode							
Final test	16	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode							
Final test	18	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode							
Final test	20	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode							
Final test	22	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode							
Final test	24	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode							
Final test	26	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode							
Final test	28	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode							
Final test	30	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode							
Final test	32	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode							
Final test	34	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode							

7.6.3 Test Setup Diagram



Ground Reference Plane

7.6.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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7.7 99% Bandwidth

Test Requirement ANSI C63.10 (2013) Section 12.4.2 Test Method: ANSI C63.10 (2013) Section 12.4.2

7.7.1 E.U.T. Operation

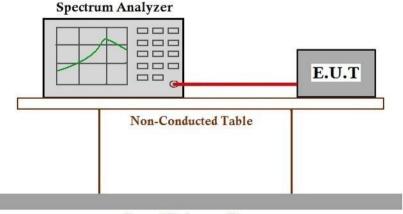
Operating Environment:

Temperature: 28.7 °C Atmospheric Pressure: 1020 mbar Humidity: 45.5 % RH

7.7.2 Test Mode Description

7.7.2 Test Mode Description									
Pre-scan / Final test	Mode Code	Description							
Final test	14	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode							
Final test	16	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode							
Final test	18	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode							
Final test	20	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode							
Final test	22	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode							
Final test	24	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode							
Final test	26	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode							
Final test	28	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode							
Final test	30	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode							
Final test	32	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode							
Final test	34	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode							

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 26dB Emission bandwidth

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a) Test Method: ANSI C63.10 (2013) Section 12.4.1

7.8.1 E.U.T. Operation

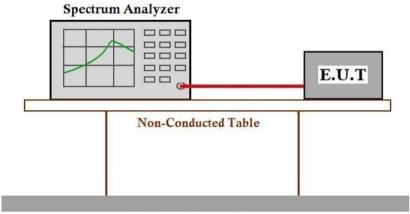
Operating Environment:

Temperature: 28.7 °C Atmospheric Pressure: 1020 mbar Humidity: 45.5 % RH

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	30	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode
Final test	32	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode
Final test	34	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode

7.8.3 Test Setup Diagram



Ground Reference Plane

7.8.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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

Test Requirement 47 CFR Part 15, Subpart E 15.407 (e) Test Method: ANSI C63.10 (2013) Section 6.9.2

Limit:

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

7.9.1 E.U.T. Operation

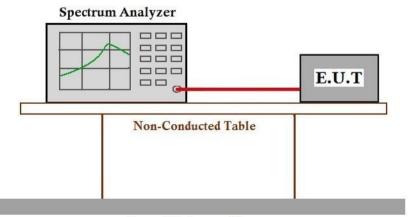
Operating Environment:

Temperature: 28.7 °C Humidity: 45.5 % RH Atmospheric Pressure: 1020 mbar

7.9.2 Test Mode Description

	Tion Tool meda becompain						
Pre-scan / Final test	Mode Code	Description					
Final test	14	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode					
Final test	16	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode					
Final test	18	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode					
Final test	20	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode					
Final test	22	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode					
Final test	24	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode					
Final test	26	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode					
Final test	28	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode					

7.9.3 Test Setup Diagram



Ground Reference Plane

7.9.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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7.10 Peak Power spectrum density

47 CFR Part 15, Subpart E 15.407 (a) Test Requirement Test Method: ANSI C63.10 (2013) Section 12.5

Limit:

Frequenc	y band(MHz)	Limit		
5150-5	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:	The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test.			

7.10.1 E.U.T. Operation

Operating Environment:

Temperature: 28.7 °C Humidity: 45.5 % RH Atmospheric Pressure: 1020 mbar

7.10.2 Test Mode Description

1.10.2 Test	7.10.2 Test Mode Description						
Pre-scan / Final test	Mode Code	Description					
Final test	14	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode					
Final test	16	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode					
Final test	18	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode					
Final test	20	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode					
Final test	22	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode					
Final test	24	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode					
Final test	26	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode					
Final test	28	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode					
Final test	30	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode					
Final test	32	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode					
Final test	34	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode					



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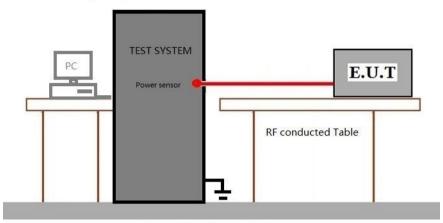


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7.10.3 Test Setup Diagram



Ground Reference Plane

7.10.4 Measurement Procedure and Data

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7.11 Frequency Stability

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

7.11.1 E.U.T. Operation

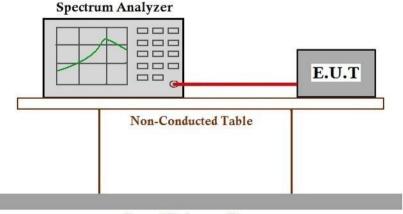
Operating Environment:

Temperature: 28.7 °C Atmospheric Pressure: 1020 mbar Humidity: 45.5 % RH

7 11 2 Test Mode Description

7.11.2 1030	7.11.2 Test Mode Description						
Pre-scan / Final test	Mode Code	Description					
Final test	14	TX mode (5.8G SDR_1.4MHz)_Keep the EUT in transmitting mode					
Final test	16	TX mode (5.8G SDR_3MHz)_Keep the EUT in transmitting mode					
Final test	18	TX mode (5.8G SDR_5MHz)_Keep the EUT in transmitting mode					
Final test	20	TX mode (5.8G SDR_10MHz)_Keep the EUT in transmitting mode					
Final test	22	TX mode (5.8G SDR_20MHz)_Keep the EUT in transmitting mode					
Final test	24	TX mode (5.8G SDR_40MHz)_Keep the EUT in transmitting mode					
Final test	26	TX mode (5.8G SDR_60MHz)_Keep the EUT in transmitting mode					
Final test	28	TX mode (5.8G SDR_80MHz)_Keep the EUT in transmitting mode					
Final test	30	TX mode (5.1G SDR_10MHz)_Keep the EUT in transmitting mode					
Final test	32	TX mode (5.1G SDR_20MHz)_Keep the EUT in transmitting mode					
Final test	34	TX mode (5.1G SDR_40MHz)_Keep the EUT in transmitting mode					

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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Test Setup Photo 8

Refer to Appendix - Test Setup Photo for SZCR2502000492AT

EUT Constructional Details (EUT Photos) 9

Refer to External and Internal Photos for SZCR2502000492AT



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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 (%)		
		5157	100.000	100.000	100.00	0.00	0.00		
10M MIMO	MIMO	5200	100.000	100.000	100.00	0.00	0.00		
		5245	100.000	100.000	100.00	0.00	0.00		
		5161	100.000	100.000	100.00	0.00	0.00		
20M	MIMO	5200	100.000	100.000	100.00	0.00	0.00		
		5240	100.000	100.000	100.00	0.00	0.00		
40M MIMO		5170	100.000	100.000	100.00	0.00	0.00		
	MIMO	5200	100.000	100.000	100.00	0.00	0.00		
		5230	100.000	100.000	100.00	0.00	0.00		

	Ant1								
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)		
Турс	5728.5	100.000	100.000	100.00	0.00	0.00			
1.4M	MIMO	5786.5	100.000	100.000	100.00	0.00	0.00		
		5846.12	100.000	100.000	100.00	0.00	0.00		
		5727.5	100.000	100.000	100.00	0.00	0.00		
3M	MIMO	5784.5	100.000	100.000	100.00	0.00	0.00		
		5847.2	100.000	100.000	100.00	0.00	0.00		
		5732.5	100.000	100.000	100.00	0.00	0.00		
5M	MIMO	5782.5	100.000	100.000	100.00	0.00	0.00		
		5842.5	100.000	100.000	100.00	0.00	0.00		
		5730.5	100.000	100.000	100.00	0.00	0.00		
10M	MIMO	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	100.000	100.000	100.00	0.00	0.00		
20M	MIMO	5787.5	100.000	100.000	100.00	0.00	0.00		
		5839.5	100.000	100.000	100.00	0.00	0.00		
		5745.5	100.000	100.000	100.00	0.00	0.00		
40M	MIMO	5787.5	100.000	100.000	100.00	0.00	0.00		
		5829.5	100.000	100.000	100.00	0.00	0.00		
		5755.5	100.000	100.000	100.00	0.00	0.00		
60M	MIMO	5787.5	100.000	100.000	100.00	0.00	0.00		
		5819.5	100.000	100.000	100.00	0.00	0.00		
		5765.5	100.000	100.000	100.00	0.00	0.00		
80M	MIMO	5787.5	100.000	100.000	100.00	0.00	0.00		
		5809.5	100.000	100.000	100.00	0.00	0.00		



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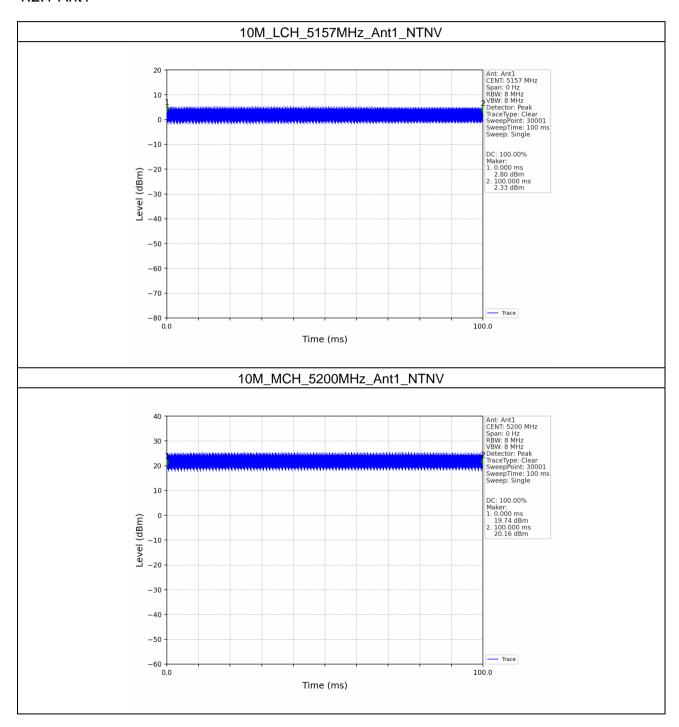
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1.2 Test Graph

1.2.1 Ant1





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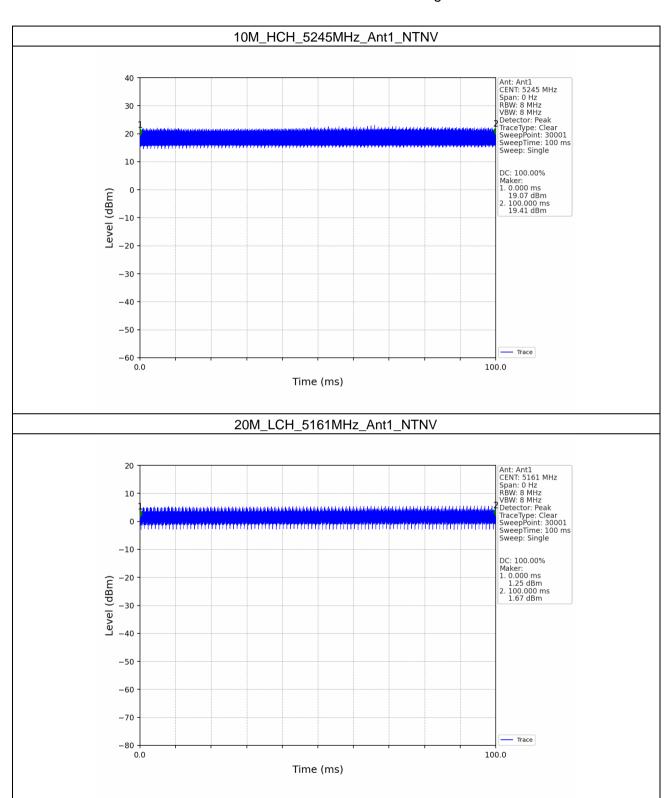
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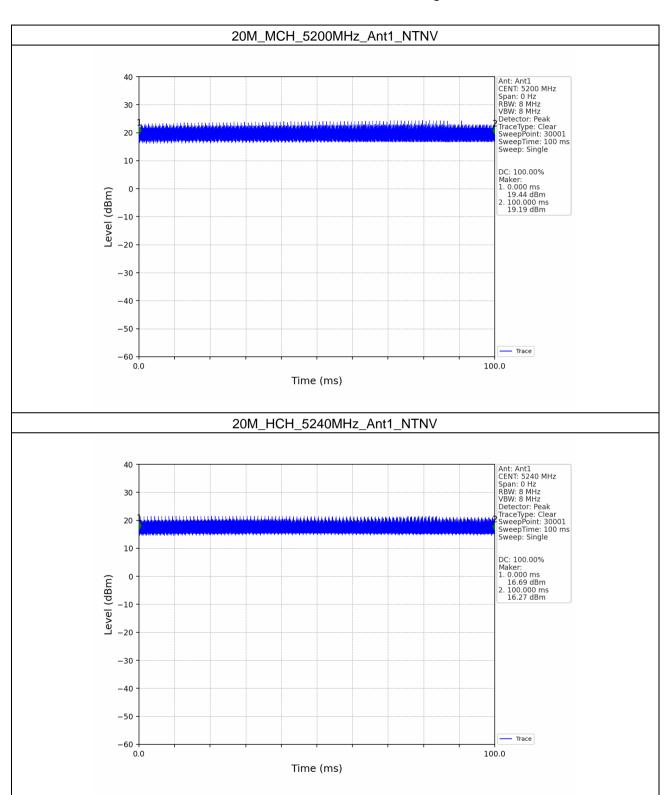
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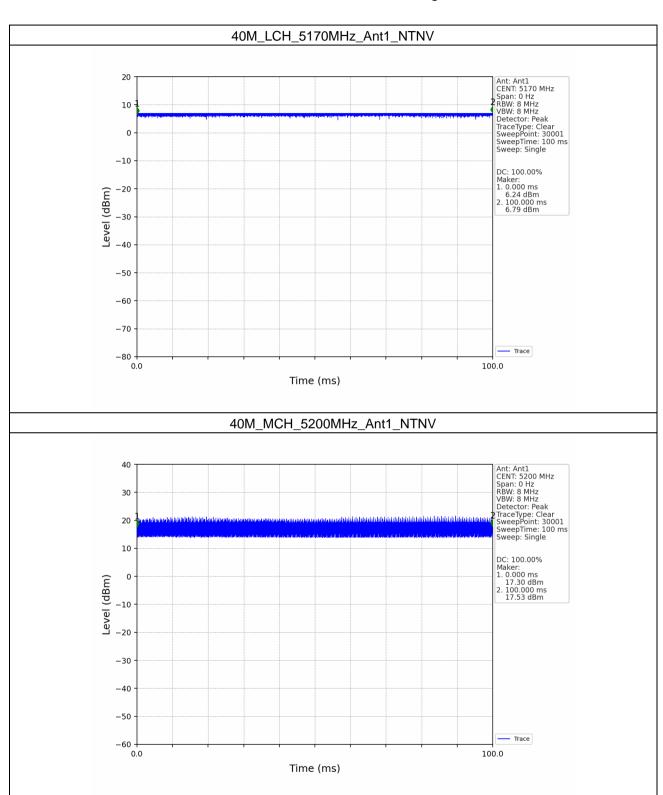
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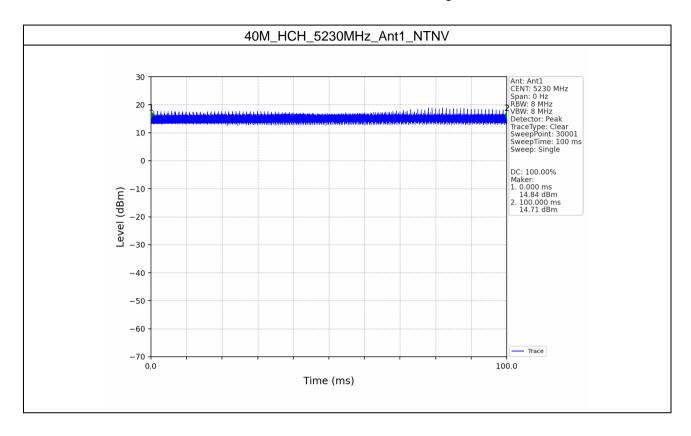
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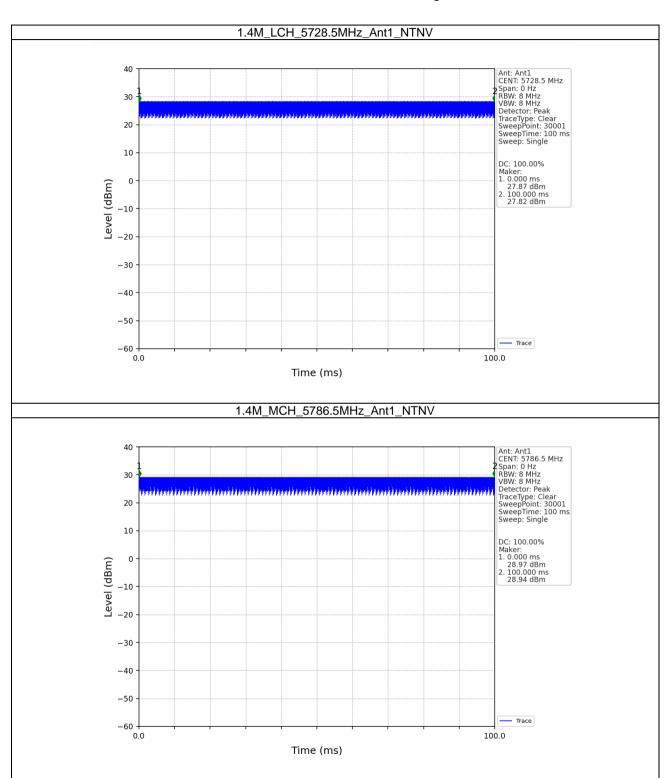
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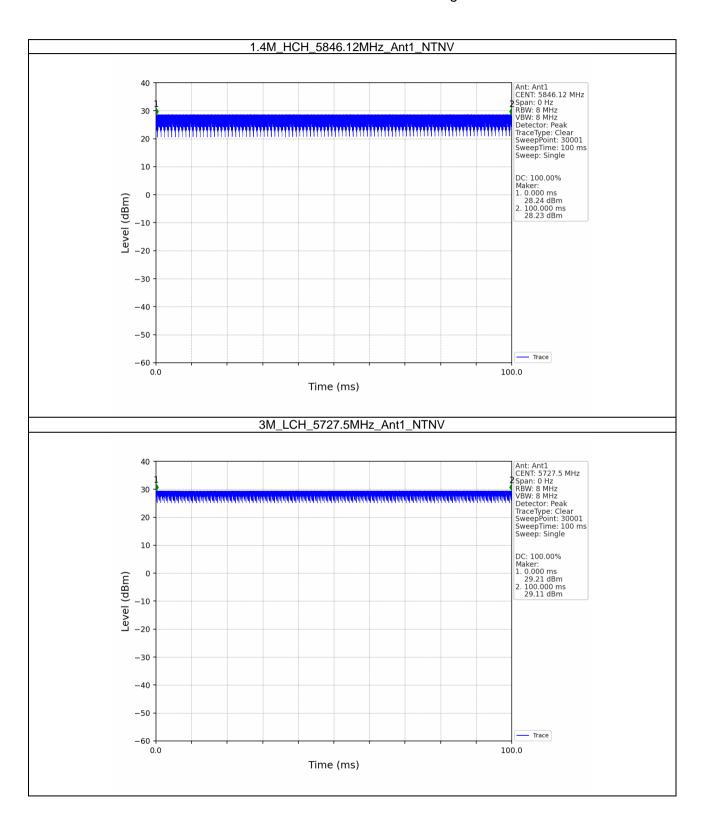
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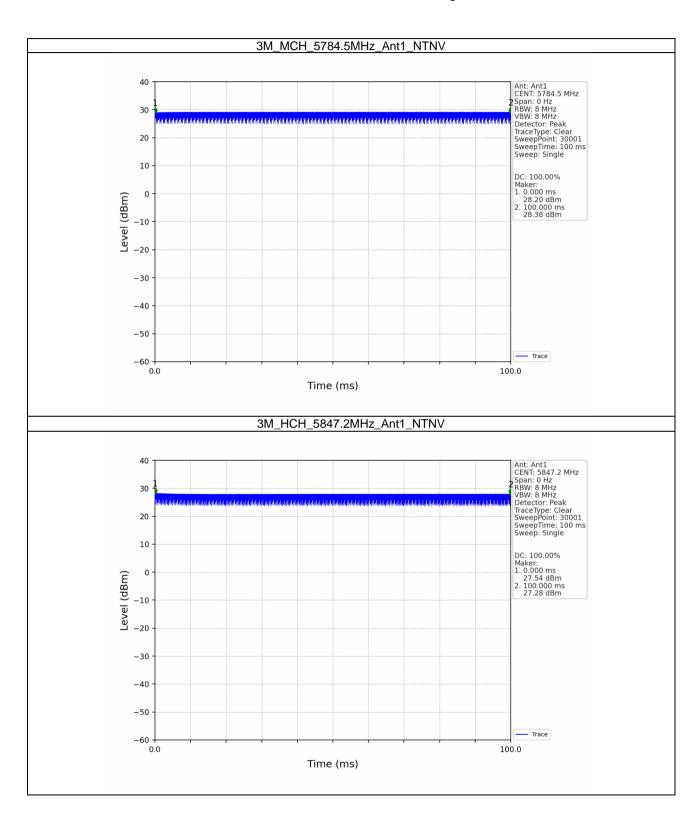
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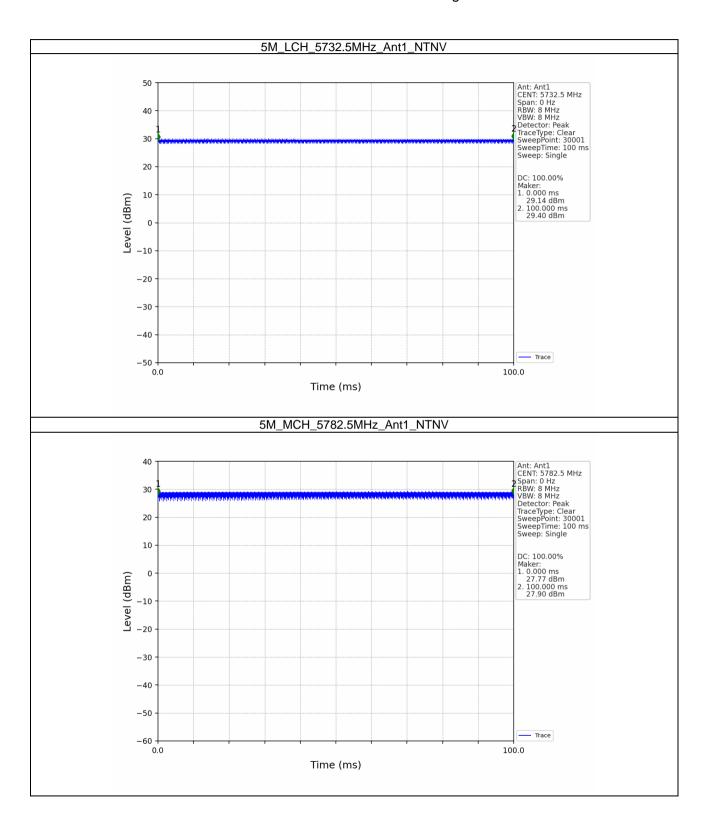
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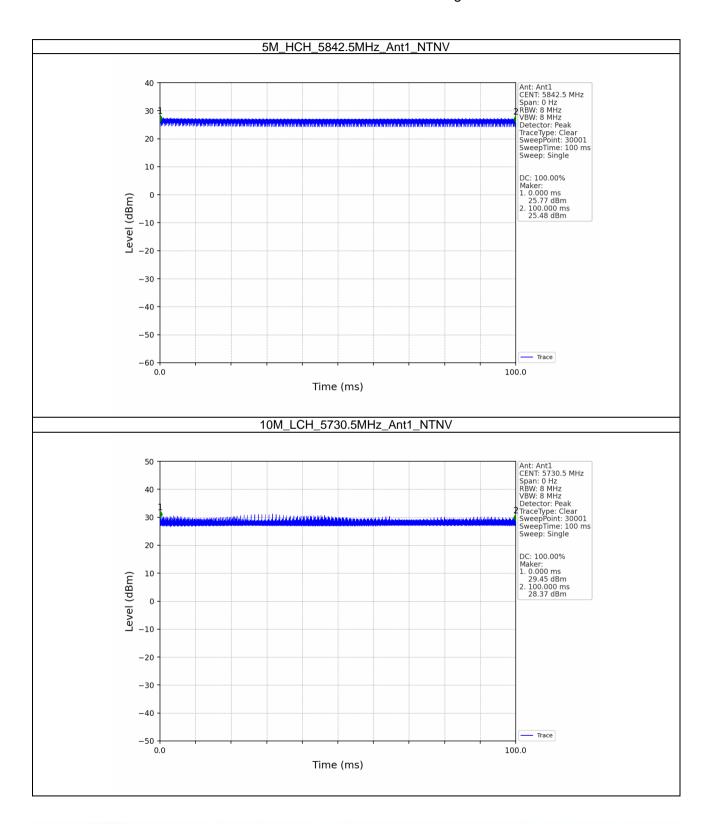
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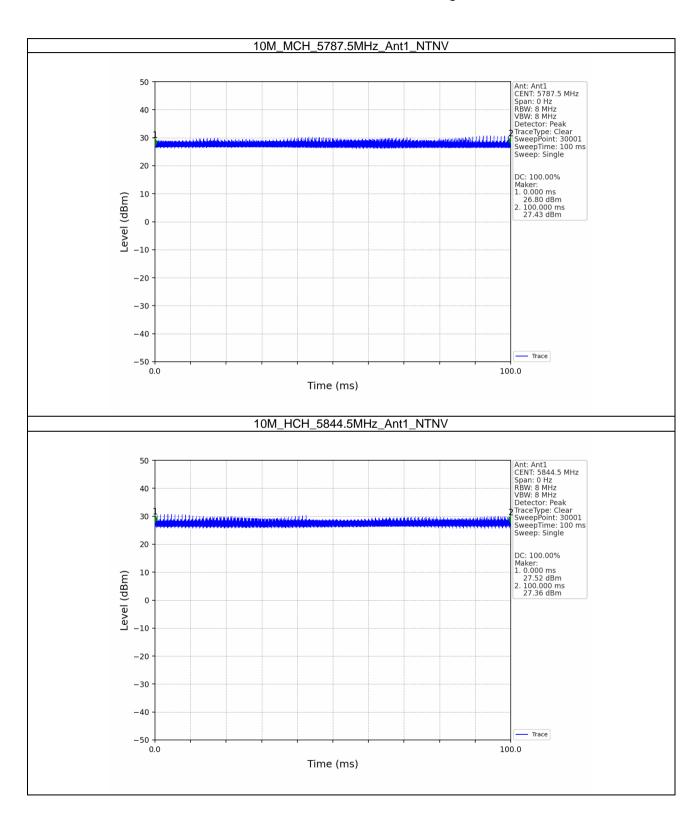
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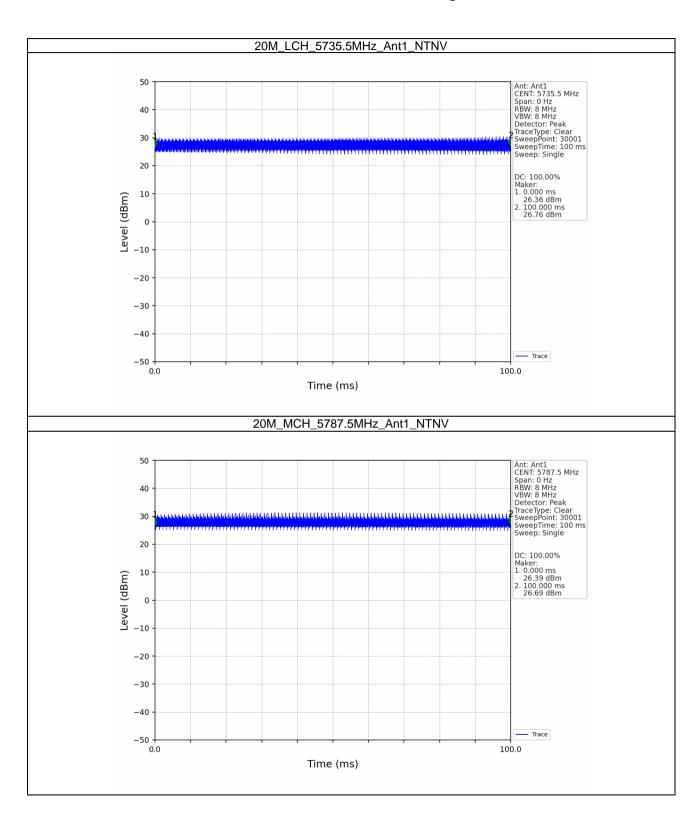
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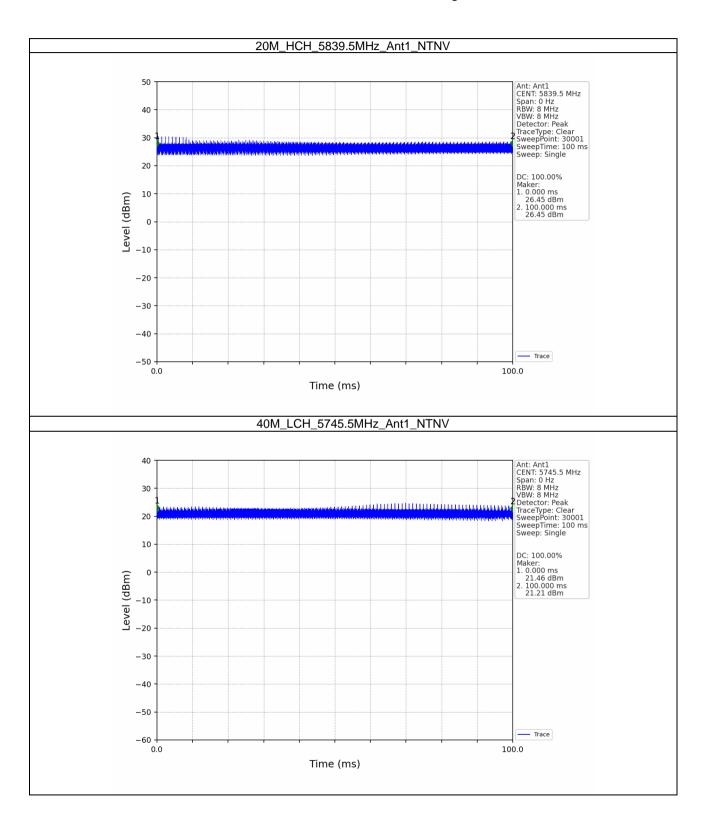
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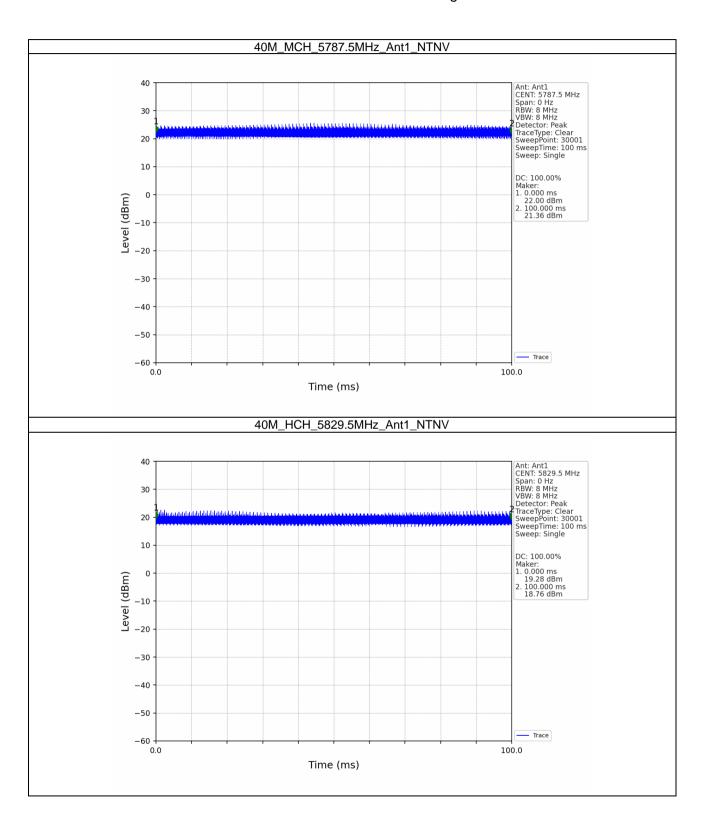
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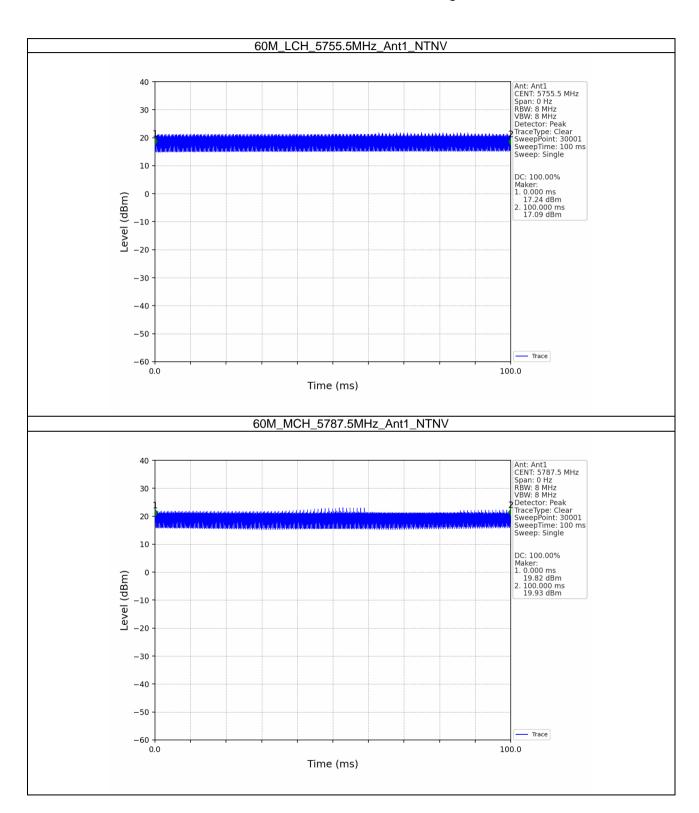
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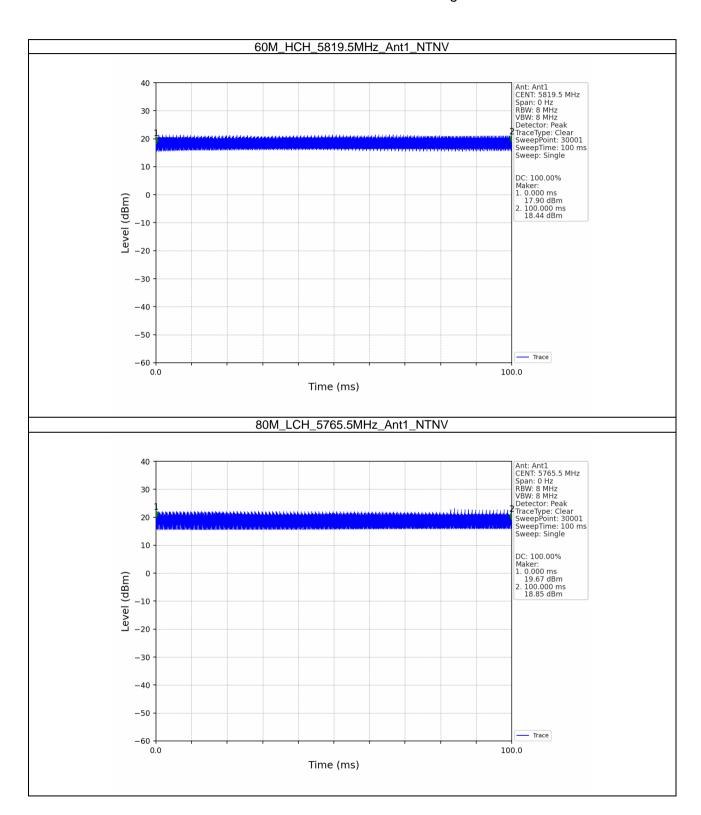
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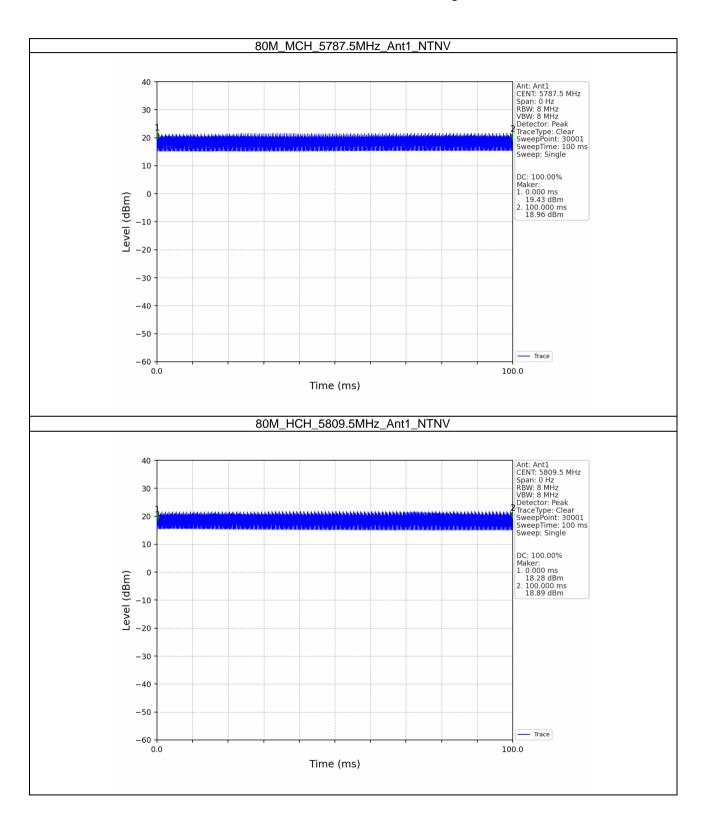
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2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX	Frequency	ANIT	99% Occupied B	Mandiat				
	Туре	(MHz)	ANT	Result	Limit	Verdict			
		5157	1	9.080	/	Pass			
10M	MIMO	5200	1	9.095	/	Pass			
		5245	1	9.075	/	Pass			
	MIMO	5161	1	18.039	/	Pass			
20M		5200	1	18.093	/	Pass			
		5240	1	18.049	/	Pass			
40M					5170	1	18.510	/	Pass
	MIMO	5200	1	36.275	/	Pass			
		5230	1	32.363	/	Pass			

Mode	TX	Frequency	ANT	99% Occupied B	99% Occupied Bandwidth (MHz)		
iviode	Type	(MHz)	AINI	Result	Limit	Verdict	
		5728.5	1	1.371	/	Pass	
1.4M	MIMO	5786.5	1	1.421	/	Pass	
		5846.12	1	1.402	/	Pass	
		5727.5	1	2.386	/	Pass	
3M	MIMO	5784.5	1	2.341	/	Pass	
		5847.2	1	2.352	/	Pass	
		5732.5	1	4.570	/	Pass	
5M	MIMO	5782.5	1	4.496	/	Pass	
		5842.5	1	4.487	/	Pass	
		5730.5	1	9.113	/	Pass	
10M	MIMO	5787.5	1	9.119	/	Pass	
		5844.5	1	9.124	/	Pass	
		5735.5	1	17.926	/	Pass	
20M	MIMO	5787.5	1	17.858	/	Pass	
		5839.5	1	17.849	/	Pass	
		5745.5	1	32.340	/	Pass	
40M	MIMO	5787.5	1	32.253	/	Pass	
		5829.5	1	32.300	/	Pass	
		5755.5	1	52.346	/	Pass	
60M	MIMO	5787.5	1	52.340	/	Pass	
		5819.5	1	52.356	/	Pass	
		5765.5	1	62.286	/	Pass	
80M	MIMO	5787.5	1	62.241	/	Pass	
		5809.5	1	62.479	/	Pass	



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2.1.2 26dB BW

Mode	TX	Frequency	ANIT	26dB Bandy	\/o.rdiot	
Mode	Type	(MHz)	ANT	Result	Limit	Verdict
		5157	1	10.254	/	Pass
10M	MIMO	5200	1	10.169	/	Pass
		5245	1	10.296	/	Pass
	MIMO	5161	1	19.419	/	Pass
20M		5200	1	19.439	/	Pass
		5240	1	19.265	/	Pass
		5170	1	19.828	/	Pass
40M	MIMO	5200	1	38.395	/	Pass
		5230	1	36.648	/	Pass

Mada	TX	Frequency	ANIT	6dB Bandv	vidth (MHz)	Verdict
Mode	Type	(MHz)	ANT	Result	Limit	
		5728.5	1	1.113	>=0.5	Pass
1.4M	MIMO	5786.5	1	1.113	>=0.5	Pass
		5846.12	1	1.107	>=0.5	Pass
		5727.5	1	2.194	>=0.5	Pass
3M	MIMO	5784.5	1	2.197	>=0.5	Pass
		5847.2	1	2.192	>=0.5	Pass
		5732.5	1	4.372	>=0.5	Pass
5M	MIMO	5782.5	1	4.387	>=0.5	Pass
		5842.5	1	4.363	>=0.5	Pass
	MIMO	5730.5	1	9.048	>=0.5	Pass
10M		5787.5	1	9.038	>=0.5	Pass
		5844.5	1	9.024	>=0.5	Pass
	МІМО	5735.5	1	16.590	>=0.5	Pass
20M		5787.5	1	17.954	>=0.5	Pass
		5839.5	1	18.011	>=0.5	Pass
		5745.5	1	21.288	>=0.5	Pass
40M	MIMO	5787.5	1	23.420	>=0.5	Pass
		5829.5	1	21.367	>=0.5	Pass
		5755.5	1	42.217	>=0.5	Pass
60M	MIMO	5787.5	1	39.224	>=0.5	Pass
		5819.5	1	41.665	>=0.5	Pass
		5765.5	1	44.582	>=0.5	Pass
80M	MIMO	5787.5	1	43.645	>=0.5	Pass
		5809.5	1	44.587	>=0.5	Pass



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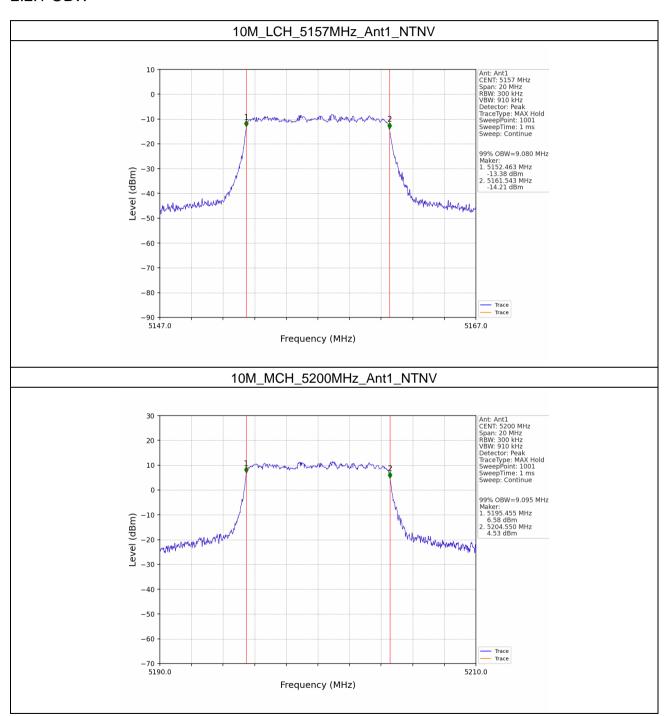
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2.2 Test Graph

2.2.1 OBW





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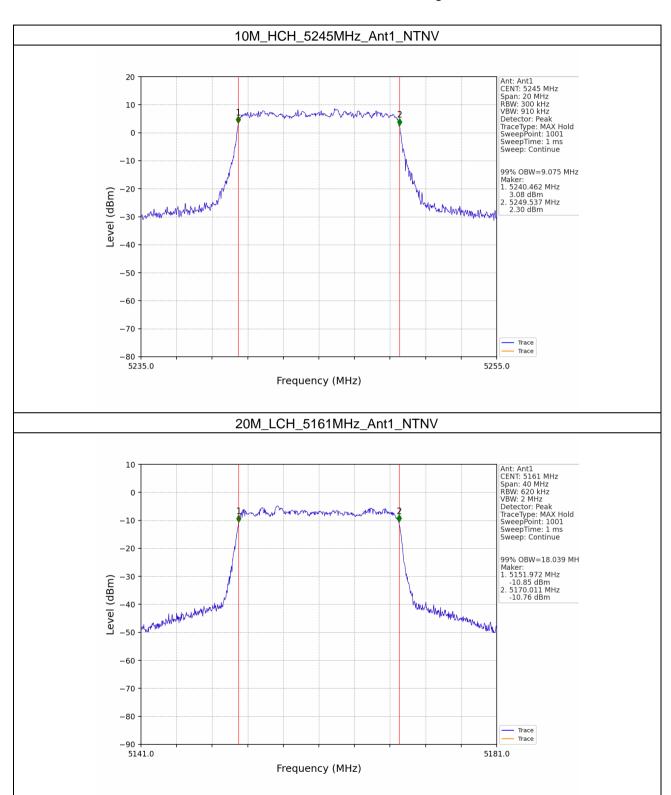
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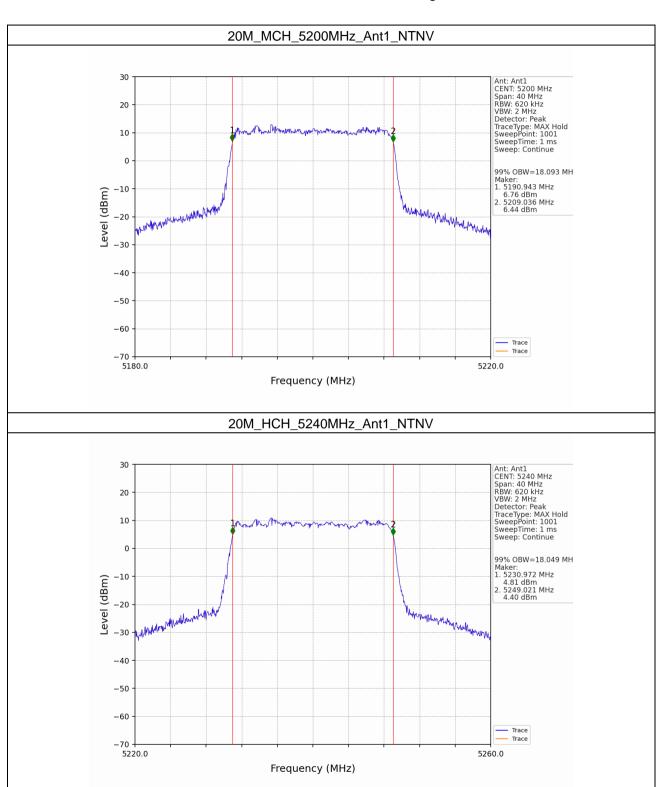
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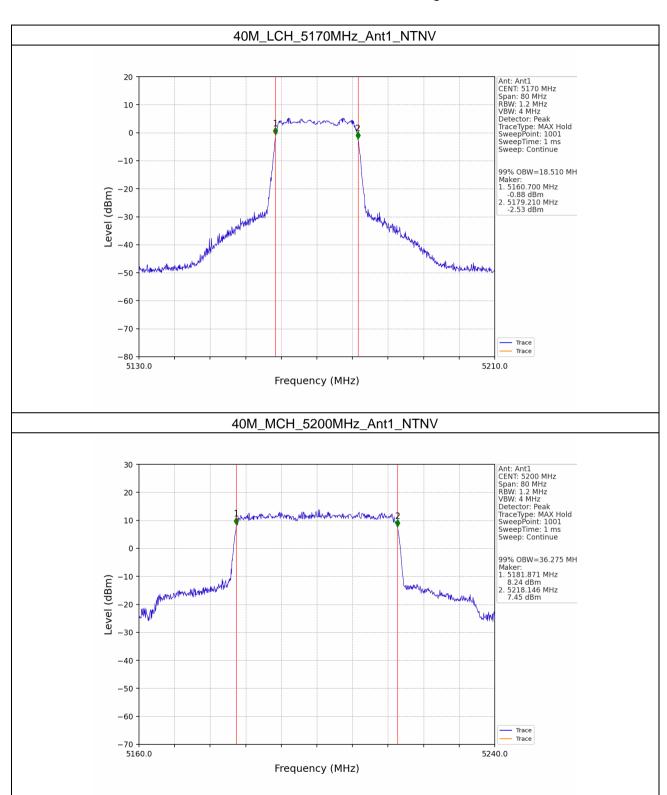
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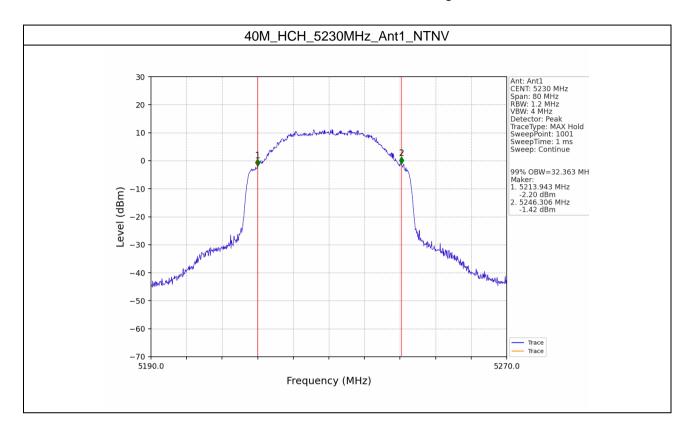
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