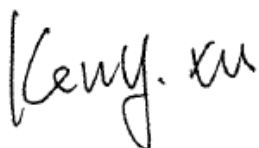


TEST REPORT

Application No.: SZCR2603001022AT
Applicant: DT Research, Inc.
Address of Applicant: 3RD FL NO 36 WUQUAN 7TH RD WUGU DISTRICT, NEW TAIPEI, Taiwan
Manufacturer: DT Research, Inc.
Address of Manufacturer: 2000 Concourse Drive, San Jose, CA 95131, USA
Factory: DT Research, Inc. Taiwan Branch
Address of Factory: 6F., No.36 Wuquan 7th Rd., Wugu Dist. New Taipei City 248 Taiwan
Equipment Under Test (EUT):
EUT Name: Rugged Tablet
Model No.: DT340XXXX(X=0-9, A-Z, - or null, or ., or /), DT340TA ♣
 ♣ Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.
Trade Mark: 
FCC ID: YE3600-BE200NG
Standard(s) : 47 CFR Part 15, Subpart E 15.407
Date of Receipt: 2026-03-17
Date of Test: 2026-03-26 to 2026-05-01
Date of Issue: 2026-05-01

Test Result:	Pass*
---------------------	--------------

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


 Keny Xu
 EMC Laboratory Manager



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SZEMC-TRF-01 Rev. A/2

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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2026-05-01		Original

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



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Shenzhen Branch Inspection & Testing Laboratory

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2 Test Summary

Radio Spectrum Technical Requirement				
Item	Standard	Method	Requirement	Result
Antenna Requirement	47 CFR Part 15, Subpart E 15.407	N/A	47 CFR Part 15, Subpart C 15.203	Pass
Transmission in the Absence of Data		N/A	47 CFR Part 15, Subpart E 15.407 (c)	Pass

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart E 15.407	ANSI C63.10 (2020) Section 6.2	47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9)	Pass
Radiated Emissions which fall in the restricted bands		ANSI C63.10 (2020) Section 6.10.5 & 12.7.2	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions (Below 1GHz)		ANSI C63.10 (2020) 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 (2020) Section 6.6 & 12.7	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Channel Move Time		KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass
Channel Closing Transmission Time		KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass

Remark:

Model No.: DT340XXXX(X=0-9, A-Z, - or null, or ., or /), DT340TA

Only the model DT340TA was tested. According to the declaration from the applicant, the electrical circuit design, layout, components used, internal wiring and functions were identical for the above models, with only difference on model No., appearance and color.

This report is prepared for FCC class II permissive change to install the granted module(FCC ID: YE3600-BE200NG, Granted on 05/23/2025) into a host product and also change the antenna gains.

Therefore in this report Conducted Emissions at AC Power Line (150kHz-30MHz), Radiated Emissions which fall in the restricted bands and Radiated Spurious Emissions were fully retested on model DT340TA and shown the data in this report.



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4 General Information

4.1 Details of E.U.T.

Power supply:	Medical AC Adapter1 Model:EM11011M-190 Input: AC 100-240V, 50/60Hz, 2.0-1.0A Output: DC 19.0V, 6.31A, 120.0W AC Adapter2 Model:EA12321N-1901 Input: AC 100-240V, 50/60Hz, 3.5A Output: DC 19.0V, 12.1A, 230.0W Rechargeable lithium-Ion polymer Battery1 Model: ACC-006-60K(3ICP9/36/115) Rated Capacity: 5400mAh Voltage: 11.4VDC Watt-Hour: 61.56Wh Max Charge Voltage:13.05V Rechargeable lithium-Ion polymer Battery2 Model: ACC-006-60K(3ICP9/36/115) Rated Capacity: 5400mAh Voltage: 11.4VDC Watt-Hour: 61.56Wh Max Charge Voltage:13.05V			
Cable(s):	AC cable:175cm with a ferrite core			
Operation Frequency:	Band	Mode	Frequency Range(MHz)	Number of channels
	UNII Band I	802.11a/n/ax/be(HT20)	5180-5240	4
		802.11n/ax/be(HT40)	5190-5230	2
		802.11ac/ax/be(HT80)	5210	1
		802.11ac/ax/be(HT160)	5250	1
	UNII Band II-A	802.11a/n/ax/be(HT20)	5260-5320	4
		802.11n/ax/be(HT40)	5270-5310	2
		802.11ac/ax/be(HT80)	5290	1
	UNII Band II-C	802.11a/n/ax/be(HT20)	5500-5720	12
		802.11n/ax/be(HT40)	5510-5710	6
		802.11ac/ax/be(HT80)	5530-5690	3
		802.11ac/ax/be(HT160)	5570	1
	UNII Band III	802.11a/n/ax/be(HT20)	5745-5825	5
		802.11n/ax/be(HT40)	5755-5795	2



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	802.11ac/ax/be(HT80)	5775	1
Modulation Type:	802.11a: OFDM(QPSK, BPSK, 16QAM, 64QAM) 802.11n: OFDM(QPSK, BPSK, 16QAM, 64QAM) 802.11ac: OFDM(QPSK, BPSK, 16QAM, 64QAM, 256QAM) 802.11ax: OFDMA(QPSK, BPSK, 16QAM, 64QAM, 256QAM, 1024QAM) 802.11be: OFDMA(QPSK, BPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM)		
DFS Function:	Slave without radar detection		
TPC Function:	Not support		
Antenna Type:	PIFA Antenna		
Antenna Gain:	Antenna1: 4.2dBi, Antenna2: 4.9dBi @5180MHz~5825MHz Note: MIMO for 802.11n/ac/ax		

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

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
--	--	--	--
The EUT has been tested as an independent unit.			

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at AC Power Line (150kHz-30MHz)	± 3.2dB
Radiated Emissions which fall in the restricted bands	± 6.0dB (below 1GHz); ± 4.6dB (above 1GHz);
Radiated Emissions (Below 1GHz)	± 6.0dB for 3m; ± 5.0dB for 10m
Radiated Emissions (Above 1GHz)	± 4.6dB (1-18GHz); ± 4.8dB (18-40GHz)

Remark:

The U_{lab} (lab Uncertainty) is less than $U_{CISPR/ETSI}$ (CISPR/ETSI Uncertainty), so the test results

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.



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4.4 Test Location

All tests were performed at:

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Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

• VCCI (Member No. 1937)

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen EMC laboratory have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

• FCC –Designation Number: CN1336

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1336. Test Firm Registration Number: 787754.

• Innovation, Science and Economic Development Canada

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



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5 Equipment List

Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2025-05-07	2028-05-06
EMI Test Receiver	Rohde&Schwarz	ESR	SZ-WRG-M-047	2025-12-15	2026-12-14
Matching Pad	N/A	N/A	SEM021-23	2026-03-20	2027-03-19
Matching Pad	N/A	N/A	SEM021-24	2026-03-20	2027-03-19
Measurement Software	AUDIX	e3 V8.2014-6-27a	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2025-07-05	2026-07-04
LISN	Rohde&Schwarz	ENV216	SEM007-01	2025-07-25	2026-07-24
LISN	ETS-LINDGREN	3816/2	SEM007-02	2026-02-24	2027-02-23

Radiated Emissions which fall in the restricted bands					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2025-05-07	2028-05-06
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2026-02-02	2027-02-01
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2025-07-22	2026-07-21
Microwave system amplifier	Agilent	83017A	SEM005-25	2025-09-10	2026-09-09
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2025-07-05	2026-07-04

Radiated Emissions (Below 1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Loop Antenna	ETS-Lindgren	6502	SEM003-08	2025-11-17	2027-11-16
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2023-06-19	2026-06-18
MXE EMI Receiver	Agilent Technologies	N9038A	SEM004-15	2025-07-25	2026-07-24
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-01	2025-08-29	2027-08-28
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	2026-02-02	2027-02-01
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2025-07-05	2026-07-04



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Radiated Emissions (Above 1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Fully-Anechoic Chamber	AUDIX	N/A	SEM001-02	2025-05-07	2028-05-06
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2026-02-02	2027-02-01
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2025-07-22	2026-07-21
Microwave system amplifier	Agilent	83017A	SEM005-25	2025-09-10	2026-09-09
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2025-07-05	2026-07-04
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2025-07-22	2027-07-21
Pre-Amplifier	TST PASS	LNA180400G40	SEM005-39	2025-05-22	2026-05-21

RF Conducted Test					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Manual Step Attenuator	KEYSIGHT	8494B	SEM021-05	2026-02-02	2027-02-01
Manual Step Attenuator	KEYSIGHT	8496B	SEM021-06	2026-02-02	2027-02-01
Measurement Software	KEYSIGHT	Signal Studio for DFS Radar Profiles V2.2.0.0	N/A	N/A	N/A
MXG Vector Signal Generator	Agilent	N5182A	SEM006-21	2026-02-03	2027-02-02
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-22	2026-02-02	2027-02-01

General used equipment					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	deli	8838	SEM002-32	2025-07-23	2026-07-22
Humidity/ Temperature Indicator	deli	8838	SEM002-33	2025-07-23	2026-07-22
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2026-02-14	2027-02-13



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6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

6.1.2 Conclusion

Standard Requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit permanently attached antenna or of an 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 connector is a IPEX type that comply with Part15.203, the best case gain of the Antenna1: 4.2dBi, Antenna2: 4.9dBi @5180MHz~5825MHz.

Antenna location: Refer to internal photo.

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

6.2.2 Conclusion

Standard Requirement:

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

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

EUT Details:

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



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7 Radio Spectrum Matter Test Results

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

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

Test Method: ANSI C63.10 (2020) Section 6.2

Test Engineer: Mason Wu

Limit:

Frequency of emission(MHz)	Conducted limit(dBμV)	
	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: 23.4 °C

Humidity: 42.3 % RH

Atmospheric Pressure: 1020 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	18	Charge + TX mode (U-NII-1)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160). Only the data of worst case is recorded in the report.
Pre-scan	20	Charge + TX mode (U-NII-2A)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80). Only the data of worst case is recorded in the report.
Pre-scan	22	Charge + TX mode (U-NII-2C)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160). Only the data of worst case is recorded in the report.



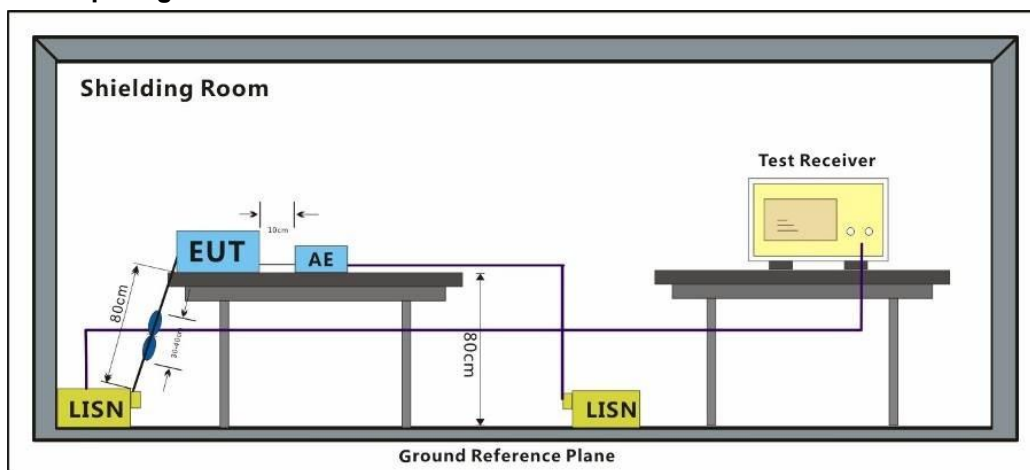
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		802.11ax/be(HT20/40/80/160). Only the data of worst case is recorded in the report.
Pre-scan	24	Charge + TX mode (U-NII-3)_Keep the EUT in charging and continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80). Only the data of worst case is recorded in the report.

7.1.3 Test Setup Diagram



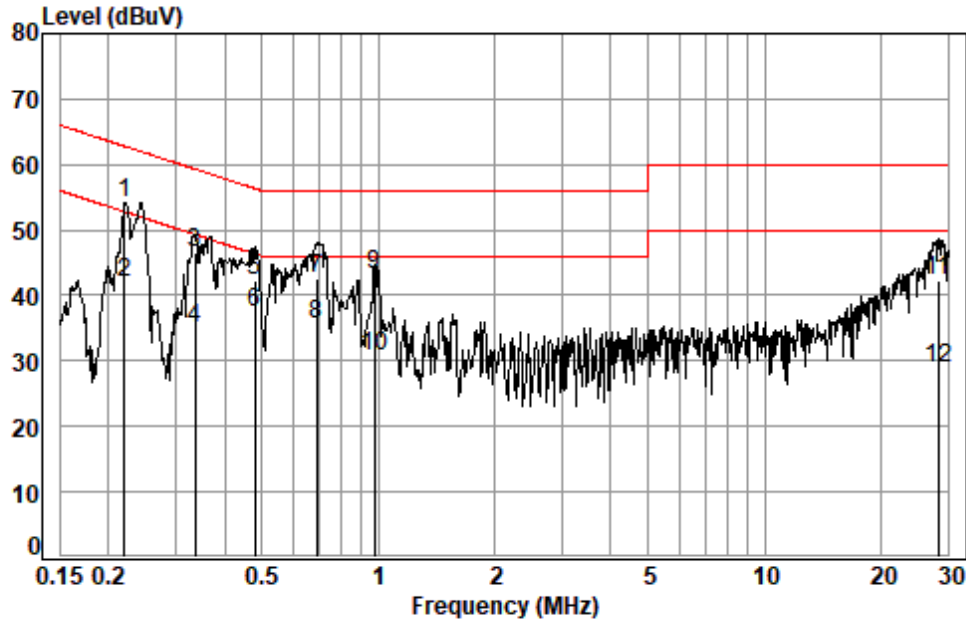
7.1.4 Measurement Procedure and Data

- 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 1: Level=Read Level+ Cable Loss+ LISN Factor

Remark 2: Pre-test AC 120V/50-60Hz&AC 240V/50-60Hz then choose the AC 120/60Hz as worst case.

Test Mode: 18; Line: Live line



Site : Shielding Room

Condition: Line

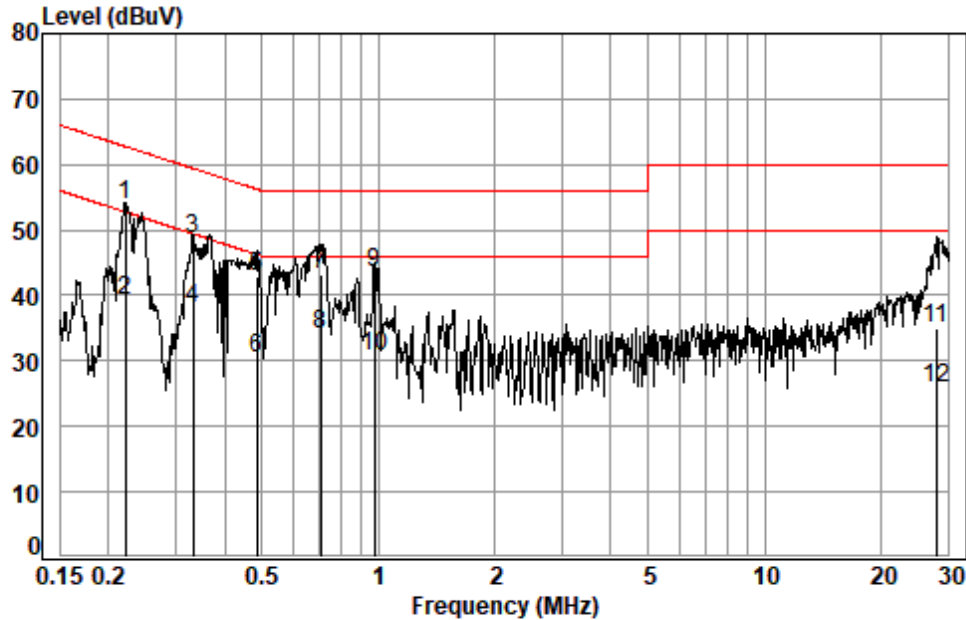
Job No. : 01022AT

Test mode: 18

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1 *	0.2208	0.07	9.63	44.38	54.08	62.79	-8.71	QP
2	0.2208	0.07	9.63	32.32	42.02	52.79	-10.77	Average
3	0.3356	0.08	9.63	36.78	46.49	59.31	-12.82	QP
4	0.3356	0.08	9.63	25.21	34.92	49.31	-14.39	Average
5	0.4786	0.09	9.64	32.45	42.18	56.36	-14.18	QP
6 *	0.4786	0.09	9.64	27.64	37.37	46.36	-8.99	Average
7	0.6936	0.10	9.65	32.84	42.59	56.00	-13.41	QP
8	0.6936	0.10	9.65	25.73	35.48	46.00	-10.52	Average
9	0.9787	0.11	9.67	33.51	43.29	56.00	-12.71	QP
10	0.9787	0.11	9.67	21.09	30.87	46.00	-15.13	Average
11	28.1520	0.26	13.86	28.21	42.33	60.00	-17.67	QP
12	28.1520	0.26	13.86	14.75	28.87	50.00	-21.13	Average



Test Mode: 18; Line: Neutral Line



Site : Shielding Room
Condition: Neutral
Job No. : 01022AT
Test mode: 18

		Cable	LISN	Read	Limit	Over	
	Freq	Loss	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB
1 *	0.2220	0.07	9.66	44.15	53.88	62.74	-8.86 QP
2	0.2220	0.07	9.66	29.38	39.11	52.74	-13.63 Average
3	0.3321	0.08	9.64	39.00	48.72	59.40	-10.68 QP
4 *	0.3321	0.08	9.64	28.16	37.88	49.40	-11.52 Average
5	0.4837	0.09	9.63	33.12	42.84	56.27	-13.43 QP
6	0.4837	0.09	9.63	20.64	30.36	46.27	-15.91 Average
7	0.7084	0.10	9.64	33.49	43.23	56.00	-12.77 QP
8	0.7084	0.10	9.64	24.48	34.22	46.00	-11.78 Average
9	0.9787	0.11	9.66	33.64	43.41	56.00	-12.59 QP
10	0.9787	0.11	9.66	20.81	30.58	46.00	-15.42 Average
11	27.8552	0.26	13.75	20.85	34.86	60.00	-25.14 QP
12	27.8552	0.26	13.75	11.87	25.88	50.00	-24.12 Average



7.2 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 (2020) Section 6.10.5 & 12.7.2
 Measurement Distance: 3m
 Test Engineer: Logic Wang
 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.

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C Humidity: 56.3 % RH Atmospheric Pressure: 1020 mbar



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7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	17	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160). Only the data of worst case is recorded in the report.
Final test	18	Charge + TX mode (U-NII-1)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160). Only the data of worst case is recorded in the report.
Pre-scan	19	TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80). Only the data of worst case is recorded in the report.
Final test	20	Charge + TX mode (U-NII-2A)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80). Only the data of worst case is recorded in the report.
Pre-scan	21	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160). Only the data of worst case is recorded in the report.
Final test	22	Charge + TX mode (U-NII-2C)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160). Only the data of worst case is recorded in the report.

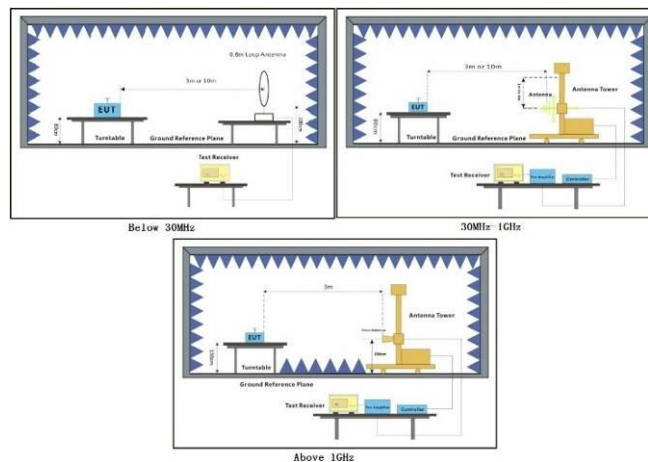


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		802.11ax/be(HT20/40/80/160). Only the data of worst case is recorded in the report.
Pre-scan	23	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80). Only the data of worst case is recorded in the report.
Final test	24	Charge + TX mode (U-NII-3)_Keep the EUT in charging and continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80). Only the data of worst case is recorded in the report.

7.2.3 Test Setup Diagram



7.2.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Remark 2: 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 $\geq 1/T$ (Duty cycle < 98%) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.



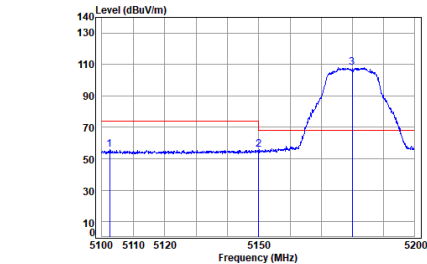
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Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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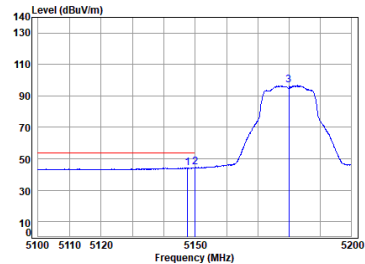
11a_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5180 Band edge
: 5G WIFI 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5102.477	18.34	34.00	31.26	34.65	55.73	74.00	-18.27	Peak	0.00
2	5149.980	18.47	33.90	31.28	34.56	55.65	74.00	-18.35	Peak	0.00
3 p	5180.000	18.56	33.96	31.30	86.63	107.85	68.20	39.65	Peak	0.00

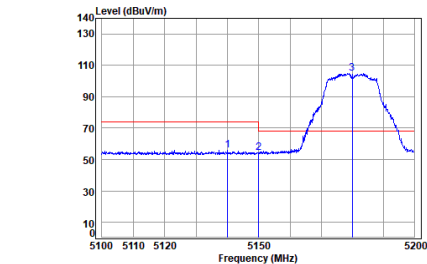
11a_TX_CH_L_Horizontal-Avg



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5180 Band edge
: 5G WIFI 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5147.558	18.46	33.90	31.28	23.18	44.26	54.00	-9.74	Average	0.00
2 q	5149.980	18.47	33.90	31.28	23.41	44.58	54.00	-9.50	Average	0.00
3	5180.000	18.56	33.96	31.30	75.41	96.63	-----	-----	Average	0.00

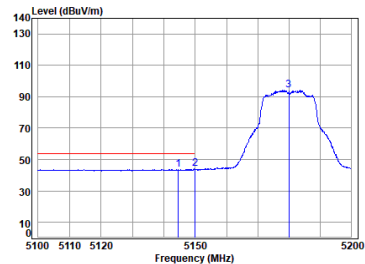
11a_TX_CH_L_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5180 Band edge
: 5G WIFI 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5140.066	18.44	33.92	31.28	34.92	56.00	74.00	-18.00	Peak	0.00
2	5149.980	18.47	33.90	31.28	33.47	54.56	74.00	-19.44	Peak	0.00
3 p	5180.000	18.56	33.96	31.30	83.51	104.73	68.20	36.53	Peak	0.00

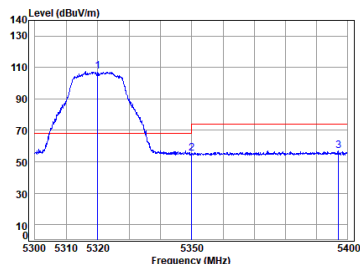
11a_TX_CH_L_Vertical-Avg



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5180 Band edge
: 5G WIFI 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5144.560	18.46	33.91	31.28	22.56	43.65	54.00	-10.35	Average	0.00
2 q	5149.980	18.47	33.90	31.28	22.86	43.95	54.00	-10.05	Average	0.00
3	5180.000	18.56	33.96	31.30	73.13	94.35	-----	-----	Average	0.00

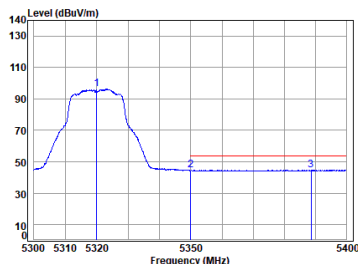
11a_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5320 Band edge
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 p	5320.000	18.94	34.28	31.37	85.64	107.49	68.20	39.29	Peak	0.00
2	5350.020	19.03	34.40	31.39	33.19	55.23	74.00	-18.77	Peak	0.00
3	5397.174	19.15	34.59	31.41	34.45	56.78	74.00	-17.22	Peak	0.00

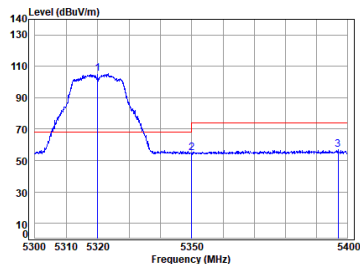
11a_TX_CH_H_Horizontal-Avg



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5320 Band edge
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5320.000	18.94	34.28	31.37	74.58	96.43	-----	-----	Average	0.00
2	5350.020	19.03	34.40	31.39	22.55	44.59	54.00	-9.41	Average	0.00
3 q	5388.707	19.13	34.55	31.41	22.56	44.83	54.00	-9.17	Average	0.00

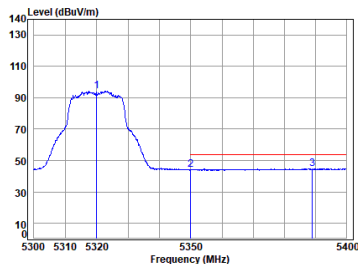
11a_TX_CH_H_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5320 Band edge
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 p	5320.000	18.94	34.28	31.37	83.46	105.31	68.20	37.11	Peak	0.00
2	5350.020	19.03	34.40	31.39	32.97	55.01	74.00	-18.99	Peak	0.00
3	5397.074	19.15	34.59	31.41	34.44	56.77	74.00	-17.23	Peak	0.00

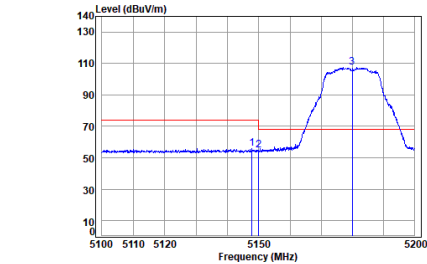
11a_TX_CH_H_Vertical-Avg



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5320 Band edge
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5320.000	18.94	34.28	31.37	72.38	94.23	-----	-----	Average	0.00
2	5350.020	19.03	34.40	31.39	22.28	44.32	54.00	-9.68	Average	0.00
3 q	5389.110	19.13	34.56	31.41	22.47	44.75	54.00	-9.25	Average	0.00

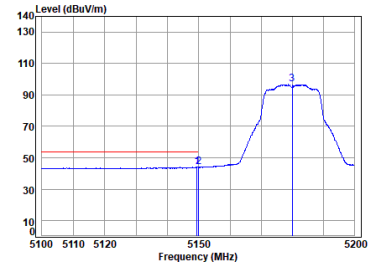
11ac_VHT(20M)_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3e HORIZONTAL
Job No : 01022AT
Mode : 5180 Band edge
5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5147.057	18.47	33.90	31.28	34.69	55.78	74.00	-18.22	Peak	0.00
2	5149.980	18.47	33.90	31.28	33.52	54.61	74.00	-19.39	Peak	0.00
3 p	5180.000	18.56	33.96	31.30	86.40	107.62	68.20	39.42	Peak	0.00

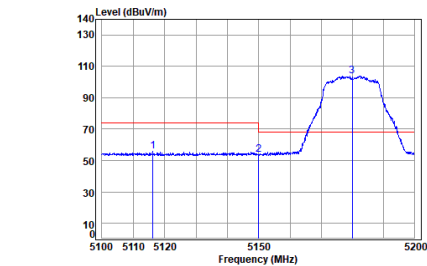
11ac_VHT(20M)_TX_CH_L_Horizontal-Avg



Site : chamber
Condition: 3e HORIZONTAL
Job No : 01022AT
Mode : 5180 Band edge
5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 q	5149.450	18.47	33.90	31.28	23.16	44.25	54.00	-9.75	Average	0.00
2	5149.980	18.47	33.90	31.28	22.98	44.07	54.00	-9.93	Average	0.00
3	5180.000	18.56	33.96	31.30	75.61	96.83	68.20	28.63	Average	0.00

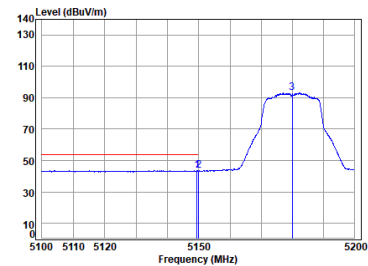
11ac_VHT(20M)_TX_CH_L_Vertical-Peak



Site : chamber
Condition: 3e VERTICAL
Job No : 01022AT
Mode : 5180 Band edge
5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5116.267	18.38	33.97	31.26	34.54	55.63	74.00	-18.37	Peak	0.00
2	5149.980	18.47	33.90	31.28	32.87	53.96	74.00	-20.04	Peak	0.00
3 p	5180.000	18.56	33.96	31.30	82.71	103.93	68.20	35.73	Peak	0.00

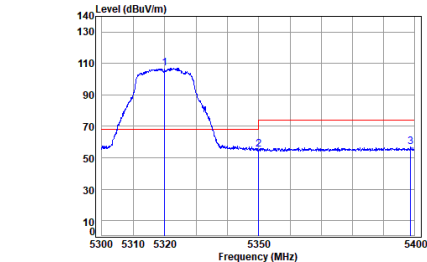
11ac_VHT(20M)_TX_CH_L_Vertical-Avg



Site : chamber
Condition: 3e VERTICAL
Job No : 01022AT
Mode : 5180 Band edge
5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 q	5149.357	18.47	33.90	31.28	22.69	43.78	54.00	-10.22	Average	0.00
2	5149.980	18.47	33.90	31.28	22.32	43.41	54.00	-10.59	Average	0.00
3	5180.000	18.56	33.96	31.30	71.90	93.12	68.20	24.92	Average	0.00

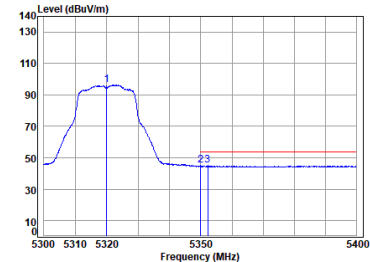
11ac_VHT(20M)_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3e HORIZONTAL
Job No : 01022AT
Mode : 5320 Band edge
5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 p	5320.000	18.94	34.28	31.37	85.20	107.05	68.20	38.85	Peak	0.00
2	5350.020	19.03	34.40	31.39	33.44	55.48	74.00	-18.52	Peak	0.00
3	5398.890	19.16	34.60	31.41	34.51	56.86	74.00	-17.14	Peak	0.00

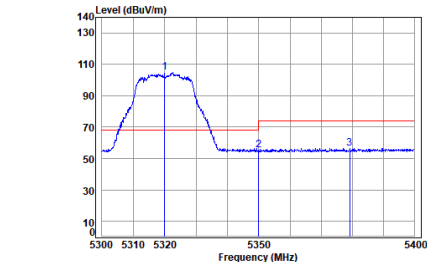
11ac_VHT(20M)_TX_CH_H_Horizontal-Avg



Site : chamber
Condition: 3e HORIZONTAL
Job No : 01022AT
Mode : 5320 Band edge
5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5320.000	18.94	34.28	31.37	74.45	96.30	-----	-----	Average	0.00
2	5350.020	19.03	34.40	31.39	23.13	45.17	54.00	-8.83	Average	0.00
3 q	5352.267	19.03	34.41	31.39	23.18	45.23	54.00	-8.77	Average	0.00

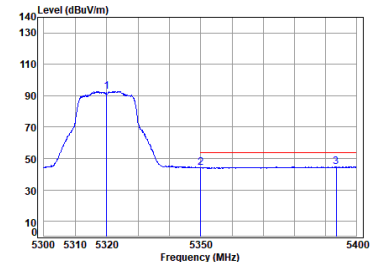
11ac_VHT(20M)_TX_CH_H_Vertical-Peak



Site : chamber
Condition: 3e VERTICAL
Job No : 01022AT
Mode : 5320 Band edge
5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 p	5320.000	18.94	34.28	31.37	82.83	104.68	68.20	36.48	Peak	0.00
2	5350.020	19.03	34.40	31.39	33.07	55.11	74.00	-18.89	Peak	0.00
3	5379.247	19.11	34.52	31.40	34.31	56.54	74.00	-17.46	Peak	0.00

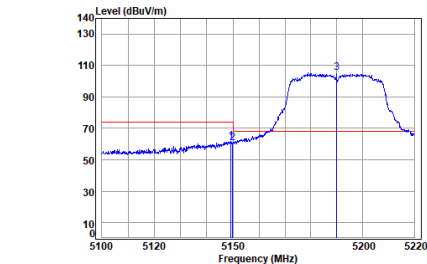
11ac_VHT(20M)_TX_CH_H_Vertical-Avg



Site : chamber
Condition: 3e VERTICAL
Job No : 01022AT
Mode : 5320 Band edge
5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5320.000	18.94	34.28	31.37	71.03	92.88	-----	-----	Average	0.00
2	5350.020	19.03	34.40	31.39	22.19	44.23	54.00	-9.77	Average	0.00
3 q	5393.544	19.14	34.57	31.41	22.45	44.75	54.00	-9.25	Average	0.00

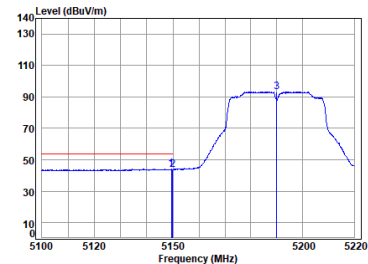
11ac_VHT(40M)_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3e HORIZONTAL
Job No : 01022AT
Mode : 5190 Band edge
: 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5149.222	18.47	33.90	31.28	40.65	61.74	74.00	-12.26	Peak	0.00
2	5149.980	18.47	33.90	31.28	39.83	60.92	74.00	-13.08	Peak	0.00
3 p	5190.000	18.58	33.98	31.30	83.89	105.15	68.20	36.95	Peak	0.00

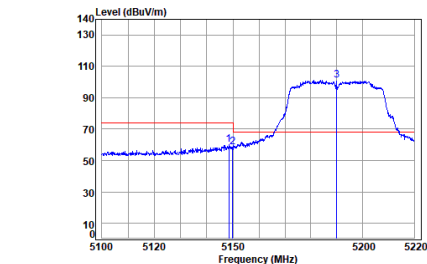
11ac_VHT(40M)_TX_CH_L_Horizontal-Avg



Site : chamber
Condition: 3e HORIZONTAL
Job No : 01022AT
Mode : 5190 Band edge
: 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 q	5149.461	18.47	33.90	31.28	23.07	44.16	54.00	-9.84	Average	0.00
2	5149.980	18.47	33.90	31.28	22.64	43.73	54.00	-10.27	Average	0.00
3	5190.000	18.58	33.98	31.30	72.05	93.31	68.20	25.11	Average	0.00

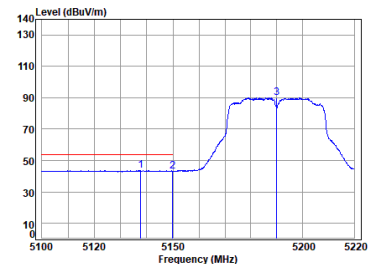
11ac_VHT(40M)_TX_CH_L_Vertical-Peak



Site : chamber
Condition: 3e VERTICAL
Job No : 01022AT
Mode : 5190 Band edge
: 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5148.384	18.47	33.90	31.28	38.90	59.99	74.00	-14.01	Peak	0.00
2	5149.980	18.47	33.90	31.28	37.48	58.57	74.00	-15.43	Peak	0.00
3 p	5190.000	18.58	33.98	31.30	79.81	101.07	68.20	32.87	Peak	0.00

11ac_VHT(40M)_TX_CH_L_Vertical-Avg

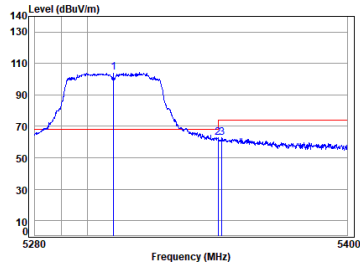


Site : chamber
Condition: 3e VERTICAL
Job No : 01022AT
Mode : 5190 Band edge
: 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 q	5137.619	18.44	33.92	31.27	22.58	43.67	54.00	-10.33	Average	0.00
2	5149.980	18.47	33.90	31.28	22.26	43.35	54.00	-10.65	Average	0.00
3	5190.000	18.58	33.98	31.30	68.69	89.95	68.20	21.75	Average	0.00



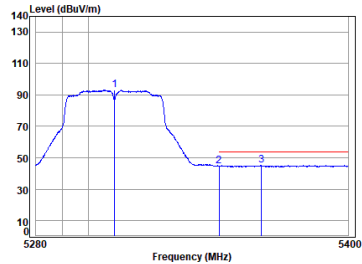
11ac_VHT(40M)_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3e HORIZONTAL
Job No : 01022AT
Mode : 5310 Band edge
: 5G WIFI 11AC40

Freq	Cable Loss Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 p 5310.000	18.92	34.24	31.36	82.72	104.52	68.20	36.32	Peak	0.00
2 5350.020	19.03	34.40	31.39	40.79	62.83	74.00	-11.17	Peak	0.00
3 5351.556	19.03	34.41	31.39	40.82	62.87	74.00	-11.13	Peak	0.00

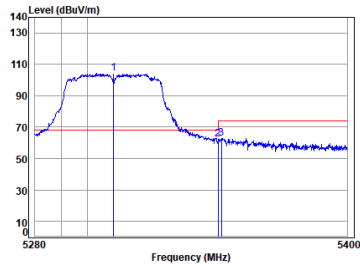
11ac_VHT(40M)_TX_CH_H_Horizontal-Avg



Site : chamber
Condition: 3e HORIZONTAL
Job No : 01022AT
Mode : 5310 Band edge
: 5G WIFI 11AC40

Freq	Cable Loss Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 5310.000	18.92	34.24	31.36	71.31	93.11	-----	-----	Average	0.00
2 5350.020	19.03	34.40	31.39	22.83	44.87	54.00	-9.13	Average	0.00
3 q 5366.490	19.07	34.47	31.39	23.01	45.16	54.00	-8.84	Average	0.00

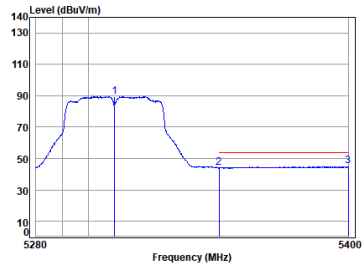
11ac_VHT(40M)_TX_CH_H_Vertical-Peak



Site : chamber
Condition: 3e VERTICAL
Job No : 01022AT
Mode : 5310 Band edge
: 5G WIFI 11AC40

Freq	Cable Loss Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 p 5310.000	18.92	34.24	31.36	82.28	104.08	68.20	35.88	Peak	0.00
2 5350.020	19.03	34.40	31.39	40.39	62.43	74.00	-11.57	Peak	0.00
3 5351.315	19.03	34.41	31.39	40.81	62.86	74.00	-11.14	Peak	0.00

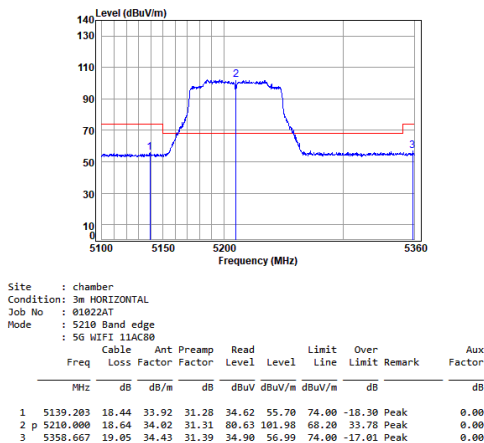
11ac_VHT(40M)_TX_CH_H_Vertical-Avg



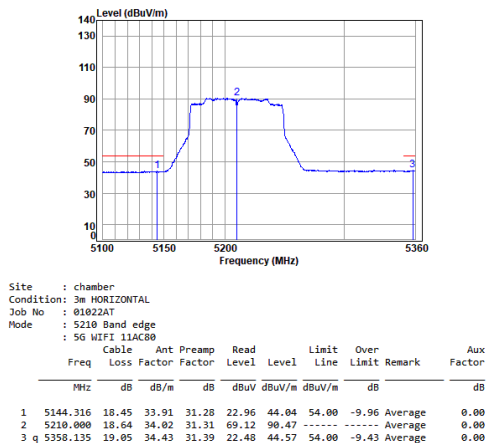
Site : chamber
Condition: 3e VERTICAL
Job No : 01022AT
Mode : 5310 Band edge
: 5G WIFI 11AC40

Freq	Cable Loss Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 5310.000	18.92	34.24	31.36	67.86	89.66	-----	-----	Average	0.00
2 5350.020	19.03	34.40	31.39	22.85	44.09	54.00	-9.91	Average	0.00
3 q 5400.000	19.16	34.60	31.41	22.68	45.03	54.00	-8.97	Average	0.00

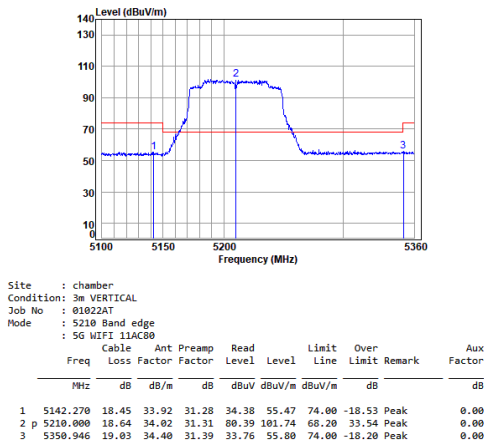
11ac_VHT(80M)_TX_CH_L_Horizontal-Peak



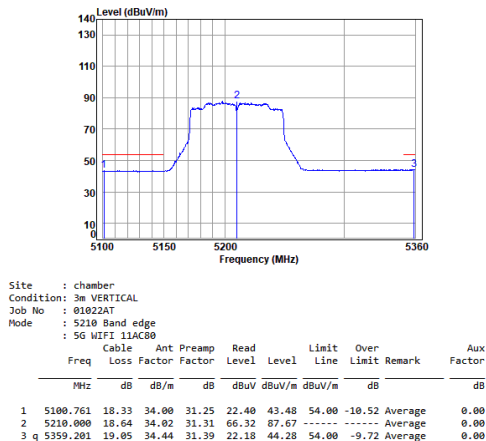
11ac_VHT(80M)_TX_CH_L_Horizontal-Avg



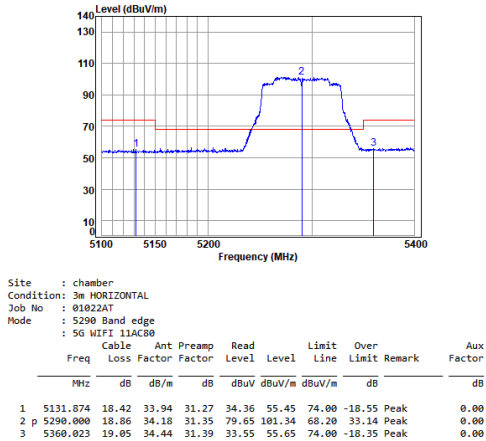
11ac_VHT(80M)_TX_CH_L_Vertical-Peak



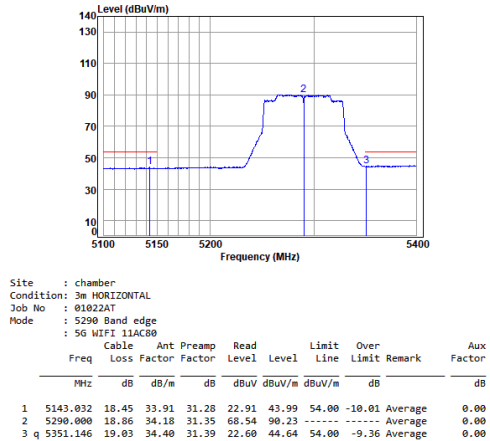
11ac_VHT(80M)_TX_CH_L_Vertical-Avg



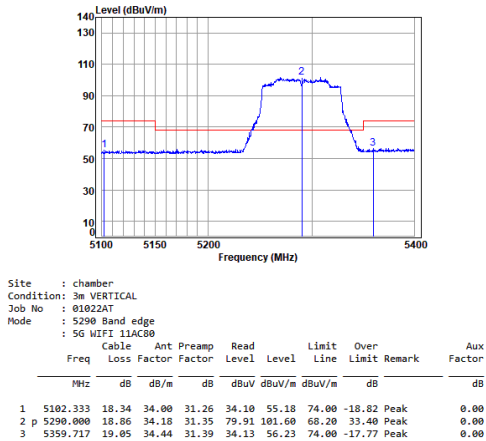
11ac_VHT(80M)_TX_CH_H_Horizontal-Peak



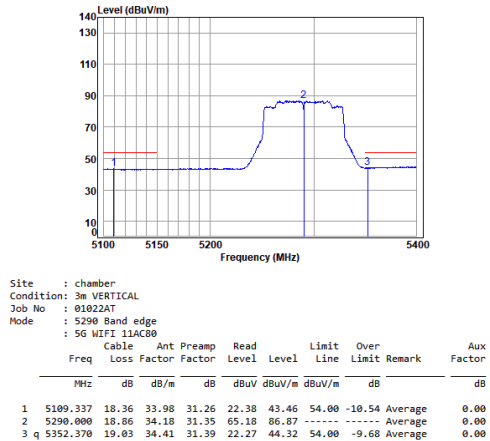
11ac_VHT(80M)_TX_CH_H_Horizontal-Avg



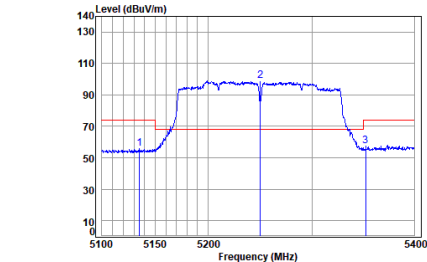
11ac_VHT(80M)_TX_CH_H_Vertical-Peak



11ac_VHT(80M)_TX_CH_H_Vertical-Avg



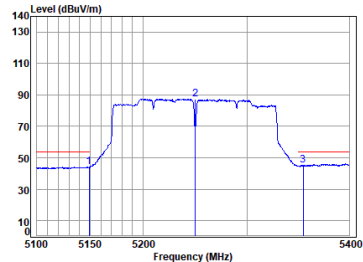
11ac_VHT(160M)_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3e HORIZONTAL
Job No : 01022AT
Mode : 5250 Band edge
5G WIFI 11AC160

	Freq	Cable Loss	Ant Factor	Preamp	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5135.395	18.43	33.93	31.27	34.66	55.75	74.00	-18.25	Peak	0.00
2 p	5250.000	18.75	34.10	31.33	77.34	98.86	68.20	30.66	Peak	0.00
3	5352.370	19.03	34.41	31.39	35.19	57.24	74.00	-16.76	Peak	0.00

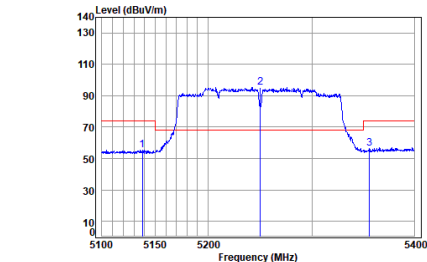
11ac_VHT(160M)_TX_CH_L_Horizontal-Avg



Site : chamber
Condition: 3e HORIZONTAL
Job No : 01022AT
Mode : 5250 Band edge
5G WIFI 11AC160

	Freq	Cable Loss	Ant Factor	Preamp	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5149.209	18.47	33.90	31.28	23.17	44.26	54.00	-9.74	Average	0.00
2	5250.000	18.75	34.10	31.33	66.02	87.54	68.20	19.34	Average	0.00
3 q	5354.818	19.04	34.42	31.39	23.37	45.44	54.00	-8.56	Average	0.00

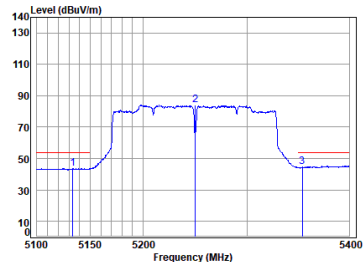
11ac_VHT(160M)_TX_CH_L_Vertical-Peak



Site : chamber
Condition: 3e VERTICAL
Job No : 01022AT
Mode : 5250 Band edge
5G WIFI 11AC160

	Freq	Cable Loss	Ant Factor	Preamp	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5135.037	18.44	33.92	31.27	34.48	55.57	74.00	-18.43	Peak	0.00
2 p	5250.000	18.75	34.10	31.33	73.73	95.25	68.20	27.05	Peak	0.00
3	5356.042	19.04	34.42	31.39	34.27	56.34	74.00	-17.66	Peak	0.00

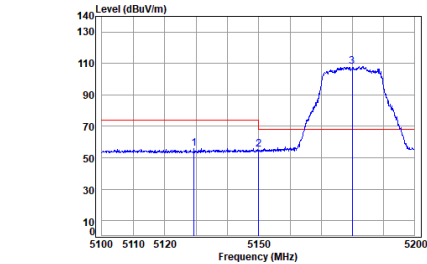
11ac_VHT(160M)_TX_CH_L_Vertical-Avg



Site : chamber
Condition: 3e VERTICAL
Job No : 01022AT
Mode : 5250 Band edge
5G WIFI 11AC160

	Freq	Cable Loss	Ant Factor	Preamp	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5133.634	18.42	33.93	31.27	22.53	43.61	54.00	-10.39	Average	0.00
2	5250.000	18.75	34.10	31.33	62.63	84.15	68.20	15.95	Average	0.00
3 q	5353.899	19.04	34.42	31.39	22.58	44.65	54.00	-9.35	Average	0.00

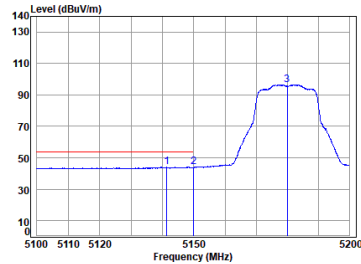
11ax(20M)_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5180 Band edge
5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5129.298	18.41	33.94	31.27	34.85	55.93	74.00	-18.07	Peak	0.00
2	5149.980	18.47	33.90	31.28	34.15	55.24	74.00	-18.76	Peak	0.00
3 p	5180.000	18.56	33.96	31.30	86.95	108.17	68.20	39.97	Peak	0.00

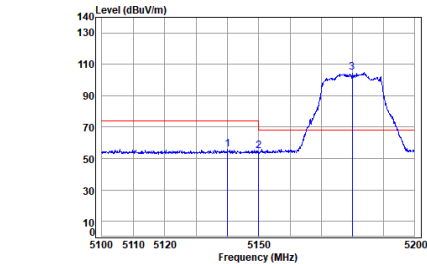
11ax(20M)_TX_CH_L_Horizontal-Avg



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5180 Band edge
5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 q	5141.364	18.45	33.92	31.28	23.12	44.21	54.00	-9.79	Average	0.00
2	5149.980	18.47	33.90	31.28	23.02	44.11	54.00	-9.89	Average	0.00
3	5180.000	18.56	33.96	31.30	75.38	96.60	-----	-----	Average	0.00

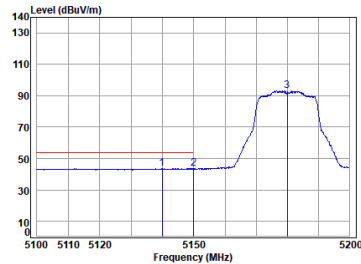
11ax(20M)_TX_CH_L_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5180 Band edge
5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5139.967	18.44	33.92	31.28	34.63	55.71	74.00	-18.29	Peak	0.00
2	5149.980	18.47	33.90	31.28	33.76	54.85	74.00	-19.15	Peak	0.00
3 p	5180.000	18.56	33.96	31.30	83.56	104.78	68.20	36.58	Peak	0.00

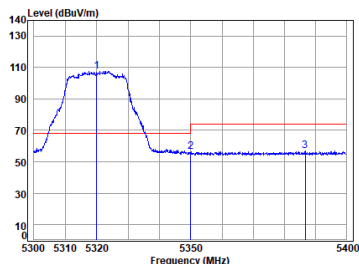
11ax(20M)_TX_CH_L_Vertical-Avg



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5180 Band edge
5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 q	5139.967	18.44	33.92	31.28	22.69	43.77	54.00	-10.23	Average	0.00
2	5149.980	18.47	33.90	31.28	22.47	43.56	54.00	-10.44	Average	0.00
3	5180.000	18.56	33.96	31.30	71.88	93.10	-----	-----	Average	0.00

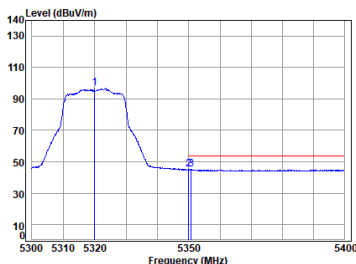
11ax(20M)_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5320 Band edge
5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 p	5320.000	18.94	34.28	31.37	85.94	107.69	68.20	39.49	Peak	0.00
2	5350.020	19.03	34.40	31.39	34.41	56.45	74.00	-17.55	Peak	0.00
3	5386.793	19.13	34.55	31.40	34.90	57.18	74.00	-16.82	Peak	0.00

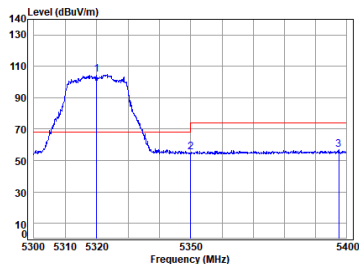
11ax(20M)_TX_CH_H_Horizontal-Avg



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5320 Band edge
5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5320.000	18.94	34.28	31.37	74.98	96.83	-----	-----	Average	0.00
2	5350.020	19.03	34.40	31.39	22.99	45.03	54.00	-8.97	Average	0.00
3 q	5350.767	19.03	34.40	31.39	23.03	45.07	54.00	-8.93	Average	0.00

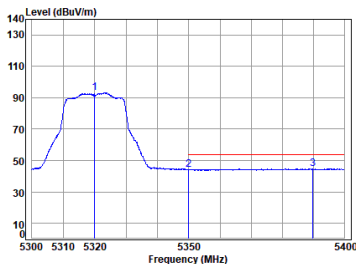
11ax(20M)_TX_CH_H_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5320 Band edge
5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 p	5320.000	18.94	34.28	31.37	83.09	104.94	68.20	36.74	Peak	0.00
2	5350.020	19.03	34.40	31.39	33.32	55.36	74.00	-18.64	Peak	0.00
3	5397.578	19.16	34.59	31.41	34.53	56.87	74.00	-17.13	Peak	0.00

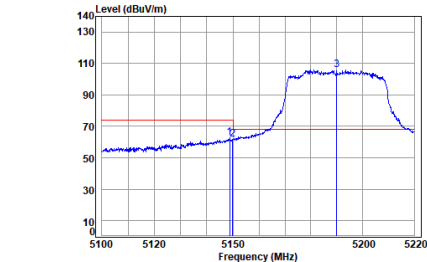
11ax(20M)_TX_CH_H_Vertical-Avg



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5320 Band edge
5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5320.000	18.94	34.28	31.37	71.52	93.37	-----	-----	Average	0.00
2	5350.020	19.03	34.40	31.39	22.19	44.23	54.00	-9.77	Average	0.00
3 q	5389.916	19.14	34.56	31.41	22.52	44.81	54.00	-9.19	Average	0.00

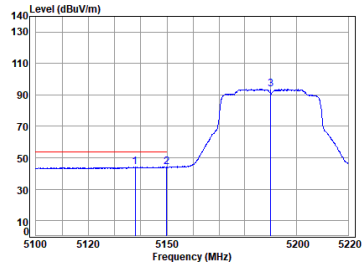
11ax(40M)_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5190 Band edge
5G WIFI 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5140.743	18.47	33.90	31.28	41.71	62.00	74.00	-11.20	Peak	0.00
2	5149.980	18.47	33.90	31.28	40.75	61.84	74.00	-12.16	Peak	0.00
3 p	5190.000	18.58	33.98	31.30	84.52	105.78	68.20	37.58	Peak	0.00

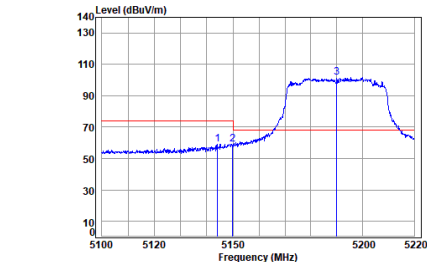
11ax(40M)_TX_CH_L_Horizontal-Avg



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5190 Band edge
5G WIFI 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 q	5137.850	18.44	33.92	31.27	23.15	44.24	54.00	-9.76	Average	0.00
2	5149.980	18.47	33.90	31.28	22.99	44.08	54.00	-9.92	Average	0.00
3	5190.000	18.58	33.98	31.30	72.31	93.57	68.20	25.37	Average	0.00

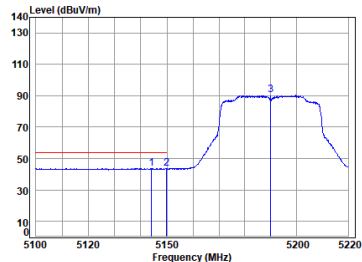
11ax(40M)_TX_CH_L_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5190 Band edge
5G WIFI 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5144.075	18.45	33.91	31.28	38.13	59.21	74.00	-14.79	Peak	0.00
2	5149.980	18.47	33.90	31.28	37.81	58.90	74.00	-15.10	Peak	0.00
3 p	5190.000	18.58	33.98	31.30	80.34	101.60	68.20	33.40	Peak	0.00

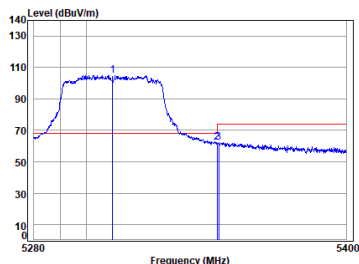
11ax(40M)_TX_CH_L_Vertical-Avg



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5190 Band edge
5G WIFI 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 q	5144.075	18.45	33.91	31.28	22.64	43.72	54.00	-10.28	Average	0.00
2	5149.980	18.47	33.90	31.28	22.41	43.50	54.00	-10.50	Average	0.00
3	5190.000	18.58	33.98	31.30	69.08	90.34	68.20	22.14	Average	0.00

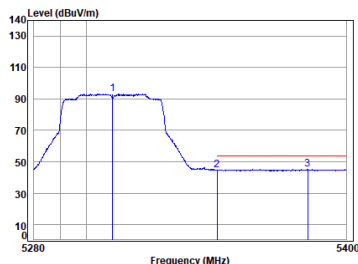
11ax(40M)_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5310 Band edge
: 5G WIFI 11AX40

Freq	Cable Loss Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 p 5310.000	18.92	34.24	31.36	83.24	105.04	68.20	36.84	Peak	0.00
2 5350.020	19.03	34.40	31.39	40.35	62.39	74.00	-11.61	Peak	0.00
3 5350.714	19.03	34.40	31.39	40.10	62.14	74.00	-11.86	Peak	0.00

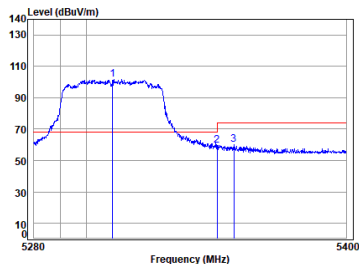
11ax(40M)_TX_CH_H_Horizontal-Avg



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5310 Band edge
: 5G WIFI 11AX40

Freq	Cable Loss Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 5310.000	18.92	34.24	31.36	71.36	93.16	-----	-----	Average	0.00
2 5350.020	19.03	34.40	31.39	22.76	44.80	54.00	-9.20	Average	0.00
3 q 5385.094	19.12	34.54	31.40	22.87	45.13	54.00	-8.87	Average	0.00

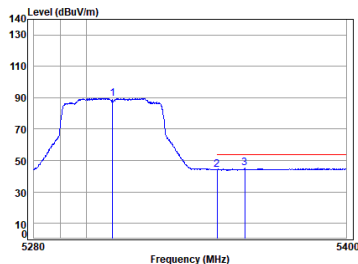
11ax(40M)_TX_CH_H_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5310 Band edge
: 5G WIFI 11AX40

Freq	Cable Loss Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 p 5310.000	18.92	34.24	31.36	79.66	101.46	68.20	33.26	Peak	0.00
2 5350.020	19.03	34.40	31.39	37.66	59.70	74.00	-14.30	Peak	0.00
3 5356.489	19.04	34.43	31.39	37.86	59.94	74.00	-14.06	Peak	0.00

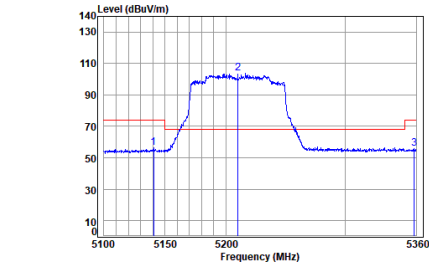
11ax(40M)_TX_CH_H_Vertical-Avg



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5310 Band edge
: 5G WIFI 11AX40

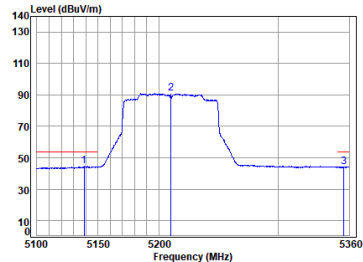
Freq	Cable Loss Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 5310.000	18.92	34.24	31.36	67.85	89.65	-----	-----	Average	0.00
2 5350.020	19.03	34.40	31.39	22.33	44.37	54.00	-9.63	Average	0.00
3 q 5360.704	19.06	34.44	31.39	22.91	45.02	54.00	-8.98	Average	0.00

11ax(80M)_TX_CH_L_Horizontal-Peak



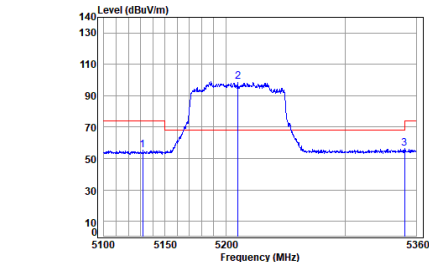
Site : chamber									
Condition: 3m HORIZONTAL									
Job No : 01022AT									
Mode : 5210 Band edge									
: 5G WIFI 11AX80									
Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Aux	
MHz	Loss	Factor	Factor	Level	dBuV/m	dBuV/m	Limit	Remark	Factor
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5140.480	18.44	33.92	31.28	35.28	56.28	74.00	-17.72 Peak	0.00
2	5210.000	18.64	34.02	31.31	82.25	103.60	68.20	35.40 Peak	0.00
3	5358.401	19.05	34.43	31.39	33.61	55.70	74.00	-18.30 Peak	0.00

11ax(80M)_TX_CH_L_Horizontal-Avg



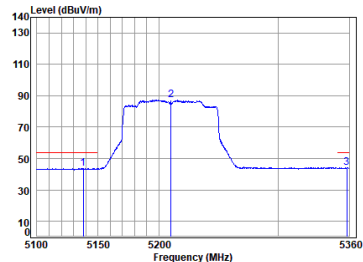
Site : chamber									
Condition: 3m HORIZONTAL									
Job No : 01022AT									
Mode : 5210 Band edge									
: 5G WIFI 11AX80									
Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Aux	
MHz	Loss	Factor	Factor	Level	dBuV/m	dBuV/m	Limit	Remark	Factor
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5130.436	18.44	33.92	31.27	23.49	43.58	54.00	-9.42 Average	0.00
2	5210.000	18.64	34.02	31.31	69.79	91.14	68.20	23.54 Average	0.00
3	5355.471	19.04	34.42	31.39	22.30	44.37	54.00	-9.63 Average	0.00

11ax(80M)_TX_CH_L_Vertical-Peak



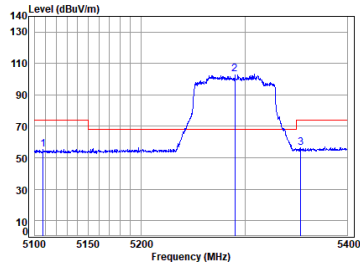
Site : chamber									
Condition: 3m VERTICAL									
Job No : 01022AT									
Mode : 5210 Band edge									
: 5G WIFI 11AX80									
Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Aux	
MHz	Loss	Factor	Factor	Level	dBuV/m	dBuV/m	Limit	Remark	Factor
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5131.797	18.42	33.94	31.27	34.42	55.51	74.00	-18.49 Peak	0.00
2	5210.000	18.64	34.02	31.31	77.80	99.15	68.20	30.95 Peak	0.00
3	5350.148	19.03	34.40	31.39	34.18	56.22	74.00	-17.78 Peak	0.00

11ax(80M)_TX_CH_L_Vertical-Avg



Site : chamber									
Condition: 3m VERTICAL									
Job No : 01022AT									
Mode : 5210 Band edge									
: 5G WIFI 11AX80									
Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Aux	
MHz	Loss	Factor	Factor	Level	dBuV/m	dBuV/m	Limit	Remark	Factor
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5137.670	18.44	33.92	31.27	22.52	43.61	54.00	-10.39 Average	0.00
2	5210.000	18.64	34.02	31.31	66.07	87.42	68.20	17.82 Average	0.00
3	5357.868	19.05	34.43	31.39	22.18	44.27	54.00	-9.73 Average	0.00

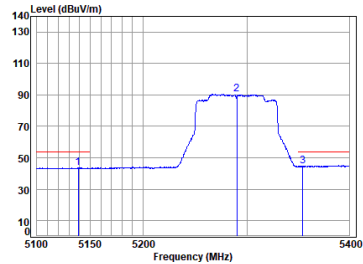
11ax(80M)_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5290 Band edge
: 5G WIFI 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5107.877	18.35	33.98	31.26	34.12	55.19	74.00	-18.81	Peak	0.00
2 p	5290.000	18.86	34.18	31.35	81.72	103.41	68.20	35.21	Peak	0.00
3	5354.512	19.04	34.42	31.39	34.29	56.36	74.00	-17.64	Peak	0.00

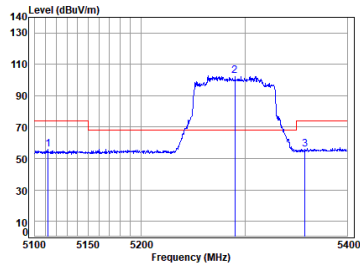
11ax(80M)_TX_CH_H_Horizontal-Avg



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5290 Band edge
: 5G WIFI 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5130.910	18.44	33.92	31.28	22.42	43.50	54.00	-10.50	Average	0.00
2	5290.000	18.86	34.18	31.35	68.76	90.45	68.20	22.25	Average	0.00
3 q	5354.512	19.04	34.42	31.39	22.82	44.89	54.00	-9.11	Average	0.00

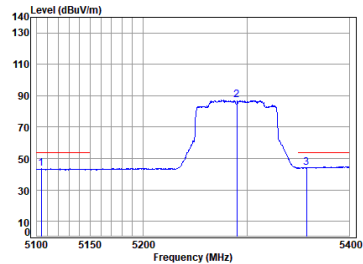
11ax(80M)_TX_CH_H_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5290 Band edge
: 5G WIFI 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5112.550	18.36	33.97	31.26	34.71	55.78	74.00	-18.22	Peak	0.00
2 p	5290.000	18.86	34.18	31.35	80.94	102.63	68.20	34.43	Peak	0.00
3	5358.492	19.05	34.43	31.39	33.91	56.00	74.00	-18.00	Peak	0.00

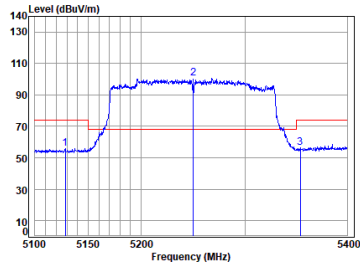
11ax(80M)_TX_CH_H_Vertical-Avg



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5290 Band edge
: 5G WIFI 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5104.083	18.34	33.99	31.26	22.36	43.43	54.00	-10.57	Average	0.00
2	5290.000	18.86	34.18	31.35	65.49	87.18	68.20	18.98	Average	0.00
3 q	5358.186	19.05	34.43	31.39	22.22	44.31	54.00	-9.69	Average	0.00

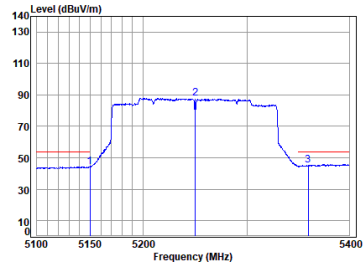
11ax(160M)_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5250 Band edge
5G WIFI 11AX160

	Freq	Cable Loss Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5120.355	18.41	33.94	31.27	34.79	55.87	74.00	-18.13	Peak	0.00
2	5250.000	18.75	34.10	31.33	78.92	100.44	68.20	32.24	Peak	0.00
3	5353.899	19.04	34.42	31.39	34.55	56.62	74.00	-17.38	Peak	0.00

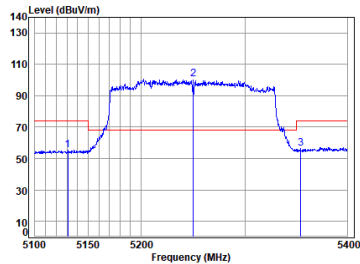
11ax(160M)_TX_CH_L_Horizontal-Avg



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5250 Band edge
5G WIFI 11AX160

	Freq	Cable Loss Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5149.790	18.47	33.90	31.28	22.28	44.37	54.00	-9.63	Average	0.00
2	5250.000	18.75	34.10	31.33	66.53	88.05	68.20	19.85	Average	0.00
3	5359.717	19.05	34.44	31.39	23.19	45.29	54.00	-8.71	Average	0.00

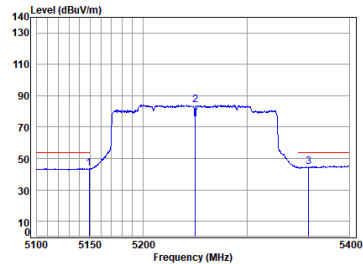
11ax(160M)_TX_CH_L_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5250 Band edge
5G WIFI 11AX160

	Freq	Cable Loss Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5130.700	18.42	33.94	31.27	34.47	55.56	74.00	-18.44	Peak	0.00
2	5250.000	18.75	34.10	31.33	78.90	100.42	68.20	32.22	Peak	0.00
3	5354.206	19.04	34.42	31.39	34.48	56.55	74.00	-17.45	Peak	0.00

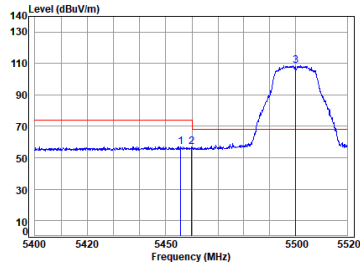
11ax(160M)_TX_CH_L_Vertical-Avg



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5250 Band edge
5G WIFI 11AX160

	Freq	Cable Loss Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5149.209	18.47	33.90	31.28	22.47	44.56	54.00	-9.44	Average	0.00
2	5250.000	18.75	34.10	31.33	62.66	84.18	68.20	15.98	Average	0.00
3	5360.823	19.05	34.44	31.39	22.43	44.53	54.00	-9.47	Average	0.00

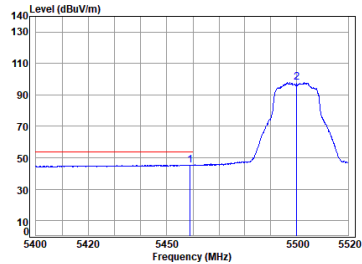
11a_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5500 Band edge
: 5G WIFI 11A

	Freq	Cable	Ant	Preamp	Read	Level	Limit	Over		Aux
	MHz	Loss	Factor	Factor	Level	dBuV/m	dBuV/m	dB	Limit	Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB	dB
1	5455.712	19.31	34.68	31.44	34.64	57.19	74.00	-16.81	Peak	0.00
2	5459.910	19.32	34.66	31.44	34.39	56.93	74.00	-17.07	Peak	0.00
3 p	5500.000	19.43	34.50	31.46	86.25	108.72	68.20	40.52	Peak	0.00

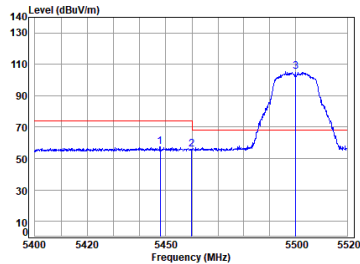
11a_TX_CH_L_Horizontal-Avg



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5500 Band edge
: 5G WIFI 11A

	Freq	Cable	Ant	Preamp	Read	Level	Limit	Over		Aux
	MHz	Loss	Factor	Factor	Level	dBuV/m	dBuV/m	dB	Limit	Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB	dB
1 q	5450.950	19.32	34.66	31.44	22.94	45.48	54.00	-8.52	Average	0.00
2	5500.000	19.43	34.50	31.46	75.70	98.17	68.20	30.00	Average	0.00

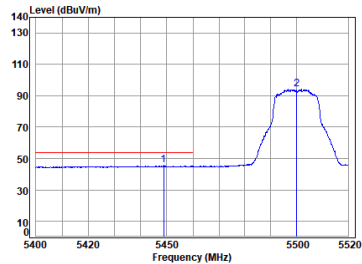
11a_TX_CH_L_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5500 Band edge
: 5G WIFI 11A

	Freq	Cable	Ant	Preamp	Read	Level	Limit	Over		Aux
	MHz	Loss	Factor	Factor	Level	dBuV/m	dBuV/m	dB	Limit	Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB	dB
1	5447.804	19.29	34.70	31.44	35.19	57.74	74.00	-16.26	Peak	0.00
2	5459.910	19.32	34.66	31.44	33.59	56.13	74.00	-17.87	Peak	0.00
3 p	5500.000	19.43	34.50	31.46	82.74	105.21	68.20	37.01	Peak	0.00

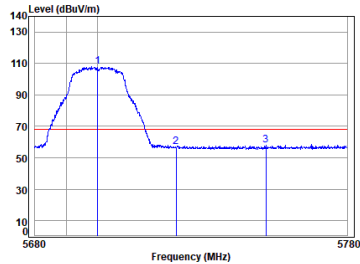
11a_TX_CH_L_Vertical-Avg



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5500 Band edge
: 5G WIFI 11A

	Freq	Cable	Ant	Preamp	Read	Level	Limit	Over		Aux
	MHz	Loss	Factor	Factor	Level	dBuV/m	dBuV/m	dB	Limit	Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB	dB
1 q	5448.761	19.29	34.70	31.44	23.25	45.80	54.00	-8.20	Average	0.00
2	5500.000	19.43	34.50	31.46	71.59	94.06	68.20	25.86	Average	0.00

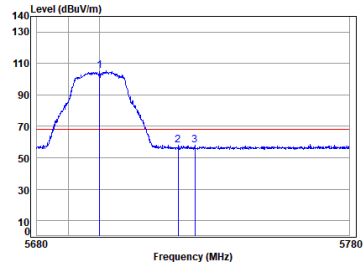
11a_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3e HORIZONTAL
Job No : 01022AT
Mode : 5700 Band edge
: 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 p 5700.000	19.79	34.30	31.56	85.52	100.05	68.20	39.85	Peak	0.00
2 5725.000	19.83	34.25	31.57	34.40	56.91	68.20	-11.29	Peak	0.00
3 5753.832	19.88	34.21	31.59	35.69	58.19	68.20	-10.01	Peak	0.00

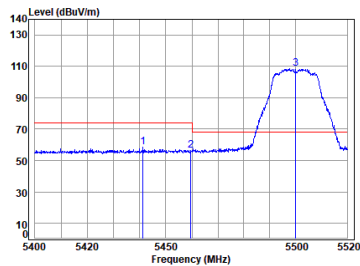
11a_TX_CH_H_Vertical-Peak



Site : chamber
Condition: 3e VERTICAL
Job No : 01022AT
Mode : 5700 Band edge
: 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 p 5700.000	19.79	34.30	31.56	82.72	105.25	68.20	37.05	Peak	0.00
2 5725.000	19.83	34.25	31.57	35.48	57.99	68.20	-10.21	Peak	0.00
3 5730.382	19.84	34.24	31.57	35.39	57.90	68.20	-10.30	Peak	0.00

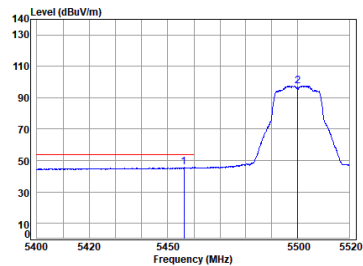
11ac_VHT(20M)_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3e HORIZONTAL
Job No : 01022AT
Mode : 5500 Band edge
: 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 5441.222	19.27	34.68	31.43	36.07	58.59	74.00	-15.41	Peak	0.00
2 5459.670	19.32	34.66	31.44	33.84	56.38	74.00	-17.62	Peak	0.00
3 p 5500.000	19.43	34.50	31.46	86.06	108.53	68.20	40.33	Peak	0.00

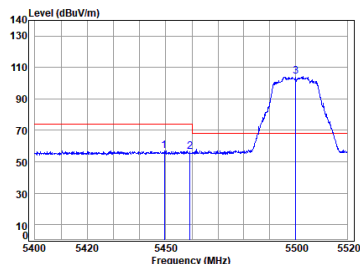
11ac_VHT(20M)_TX_CH_L_Horizontal-Avg



Site : chamber
Condition: 3e HORIZONTAL
Job No : 01022AT
Mode : 5500 Band edge
: 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 q 5456.191	19.31	34.68	31.44	23.07	45.62	54.00	-8.38	Average	0.00
2 5500.000	19.43	34.50	31.46	75.19	97.66	-----	-----	Average	0.00

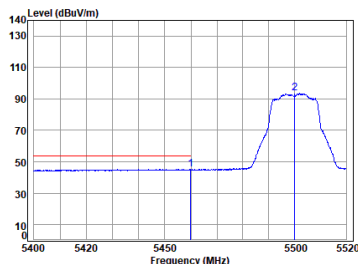
11ac_VHT(20M)_TX_CH_L_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5500 Band edge
: 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB		dB
1	5449.480	19.30	34.70	31.44	34.47	57.03	74.00	-16.97 Peak	0.00
2	5459.190	19.32	34.66	31.44	33.71	56.25	74.00	-17.75 Peak	0.00
3 p	5500.000	19.43	34.50	31.46	81.65	104.12	68.20	35.92 Peak	0.00

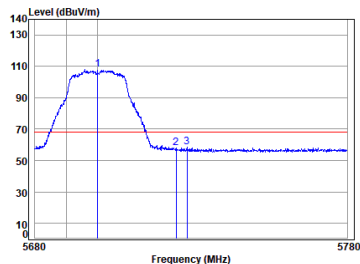
11ac_VHT(20M)_TX_CH_L_Vertical-Avg



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5500 Band edge
: 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB		dB
1 q	5459.910	19.32	34.66	31.44	22.97	45.51	54.00	-8.49 Average	0.00
2	5500.000	19.43	34.50	31.46	71.02	93.49	68.20	25.29 Average	0.00

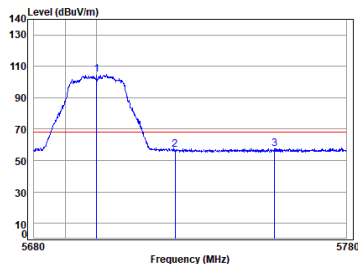
11ac_VHT(20M)_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5700 Band edge
: 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB		dB
1 p	5700.000	19.79	34.30	31.56	85.37	107.90	68.20	39.70 Peak	0.00
2	5725.000	19.83	34.25	31.57	35.66	58.17	68.20	-10.03 Peak	0.00
3	5728.482	19.84	34.24	31.57	36.31	58.82	68.20	-9.38 Peak	0.00

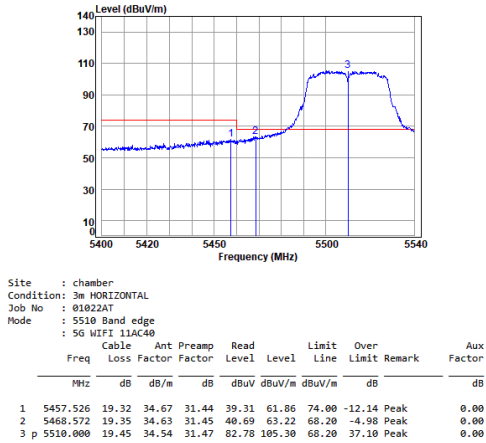
11ac_VHT(20M)_TX_CH_H_Vertical-Peak



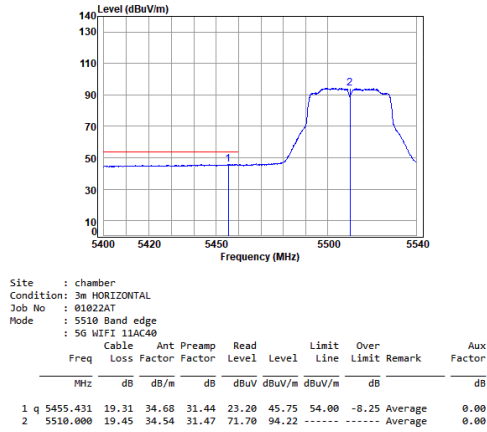
Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5700 Band edge
: 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB		dB
1 p	5700.000	19.79	34.30	31.56	82.09	104.62	68.20	36.42 Peak	0.00
2	5725.000	19.83	34.25	31.57	34.42	56.93	68.20	-11.27 Peak	0.00
3	5756.946	19.89	34.21	31.59	35.04	57.55	68.20	-10.65 Peak	0.00

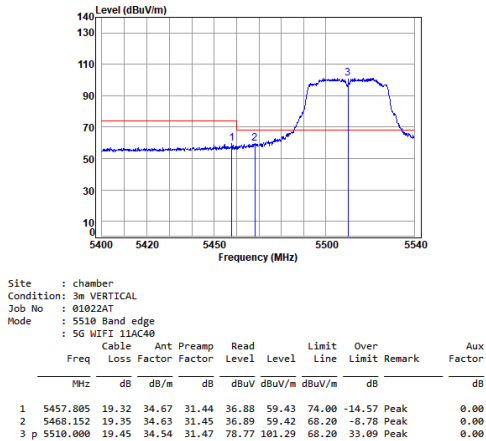
11ac_VHT(40M)_TX_CH_L_Horizontal-Peak



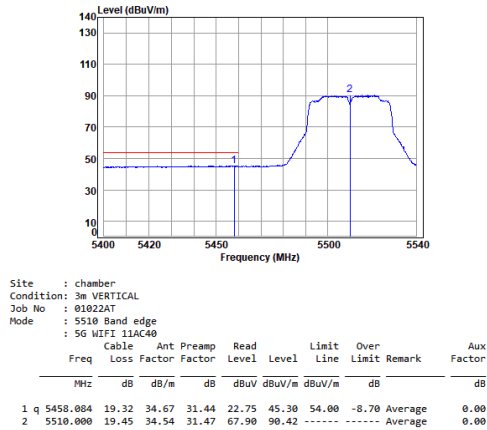
11ac_VHT(40M)_TX_CH_L_Horizontal-Avg



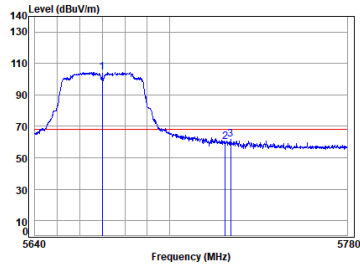
11ac_VHT(40M)_TX_CH_L_Vertical-Peak



11ac_VHT(40M)_TX_CH_L_Vertical-Avg



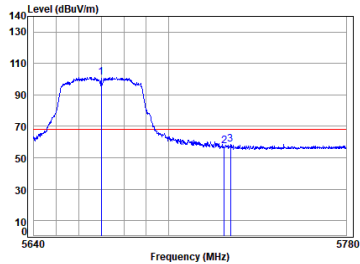
11ac_VHT(40M)_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3e HORIZONTAL
Job No : 01022AT
Mode : 5670 Band edge
5G WIFI 11AC40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 p 5670.000	19.73	34.36	31.54	82.00	104.55	68.20	36.35	Peak	0.00
2 5725.000	19.83	34.25	31.57	37.76	60.27	68.20	-7.93	Peak	0.00
3 5727.378	19.84	34.25	31.57	39.17	61.69	68.20	-6.51	Peak	0.00

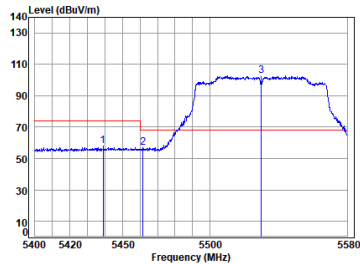
11ac_VHT(40M)_TX_CH_H_Vertical-Peak



Site : chamber
Condition: 3e VERTICAL
Job No : 01022AT
Mode : 5670 Band edge
5G WIFI 11AC40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 p 5670.000	19.73	34.36	31.54	78.76	101.31	68.20	33.11	Peak	0.00
2 5725.000	19.83	34.25	31.57	35.81	57.52	68.20	-10.68	Peak	0.00
3 5727.659	19.84	34.24	31.57	35.96	58.47	68.20	-9.73	Peak	0.00

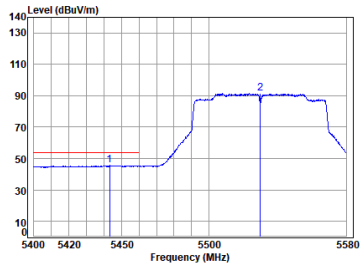
11ac_VHT(80M)_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3e HORIZONTAL
Job No : 01022AT
Mode : 5530 Band edge
5G WIFI 11AC80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 5438.917	19.27	34.68	31.43	35.44	57.96	74.00	-16.04	Peak	0.00
2 5461.613	19.33	34.65	31.44	34.23	56.77	68.20	-11.43	Peak	0.00
3 p 5530.000	19.48	34.62	31.48	80.21	102.83	68.20	34.63	Peak	0.00

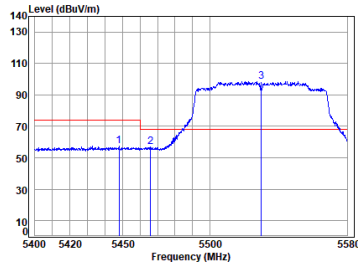
11ac_VHT(80M)_TX_CH_L_Horizontal-Avg



Site : chamber
Condition: 3e HORIZONTAL
Job No : 01022AT
Mode : 5530 Band edge
5G WIFI 11AC80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 q 5443.199	19.28	34.69	31.43	23.83	45.57	54.00	-8.43	Average	0.00
2 5530.000	19.48	34.62	31.48	68.96	91.58	-----	-----	Average	0.00

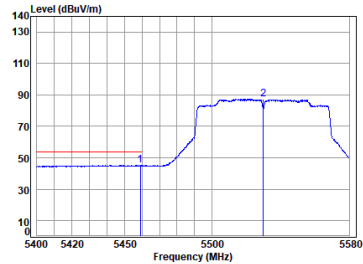
11ac_VHT(80M)_TX_CH_L_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5530 Band edge
: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB		dB
1	5447.041	19.29	34.70	31.44	34.83	57.38	74.00	-16.62 Peak	0.00
2	5466.092	19.34	34.64	31.44	34.31	56.85	68.20	-11.35 Peak	0.00
3 p	5530.000	19.48	34.62	31.48	76.07	98.69	68.20	30.49 Peak	0.00

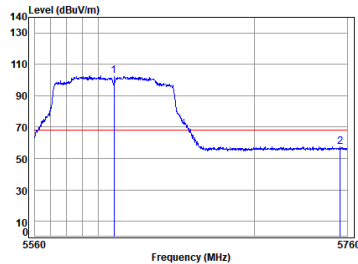
11ac_VHT(80M)_TX_CH_L_Vertical-Avg



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5530 Band edge
: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB		dB
1 q	5459.107	19.32	34.66	31.44	22.75	45.29	54.00	-8.71 Average	0.00
2	5530.000	19.48	34.62	31.48	64.89	87.51	68.20	Average	0.00

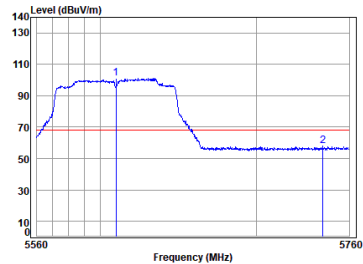
11ac_VHT(80M)_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5610 Band edge
: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB		dB
1 p	5610.000	19.63	34.64	31.52	80.01	102.76	68.20	34.56 Peak	0.00
2	5755.523	19.88	34.21	31.59	34.94	57.44	68.20	-10.76 Peak	0.00

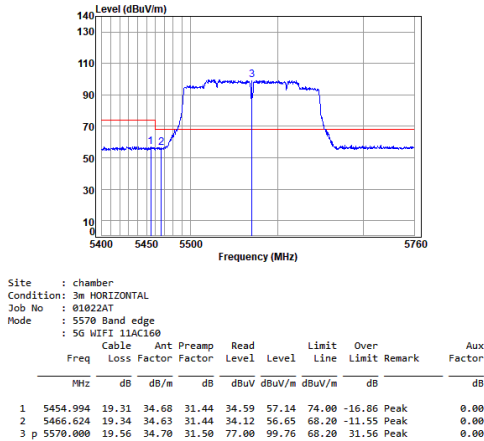
11ac_VHT(80M)_TX_CH_H_Vertical-Peak



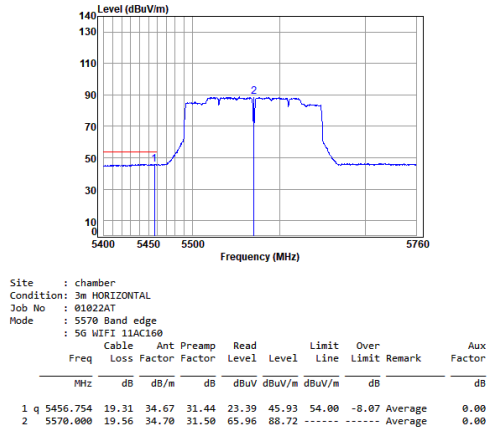
Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5610 Band edge
: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB		dB
1 p	5610.000	19.63	34.64	31.52	78.23	100.98	68.20	32.78 Peak	0.00
2	5742.927	19.86	34.21	31.58	35.30	57.79	68.20	-10.41 Peak	0.00

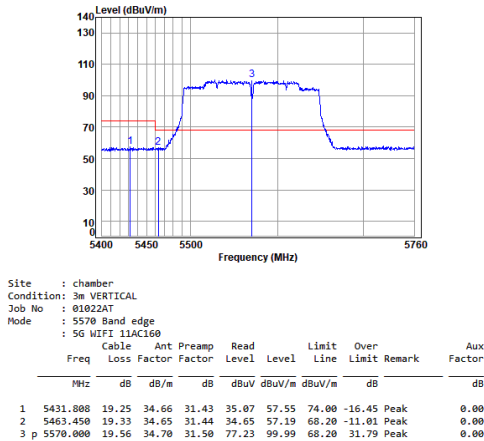
11ac_VHT(160M)_TX_CH_H_Horizontal-Peak



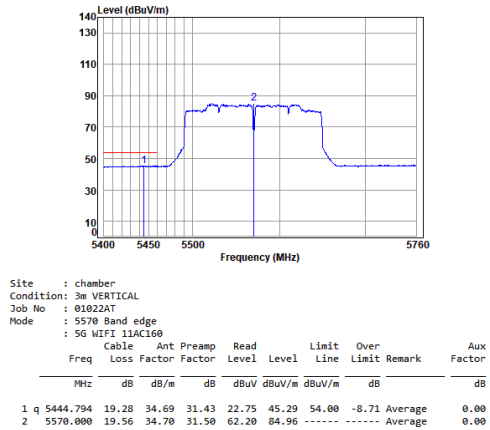
11ac_VHT(160M)_TX_CH_H_Horizontal-Avg



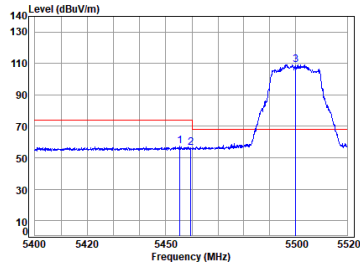
11ac_VHT(160M)_TX_CH_H_Vertical-Peak



11ac_VHT(160M)_TX_CH_H_Vertical-Avg



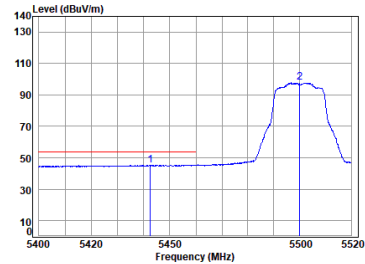
11ax_20M_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5500 Band edge
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5455.352	19.31	34.68	31.44	34.73	57.28	74.00	-16.72	Peak	0.00
2	5459.670	19.32	34.66	31.44	33.89	56.43	74.00	-17.57	Peak	0.00
3 p	5500.000	19.43	34.50	31.46	86.87	109.34	68.20	41.14	Peak	0.00

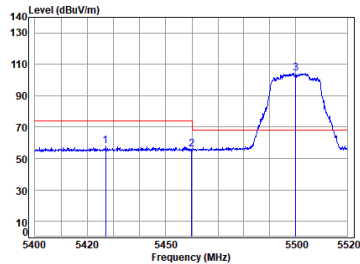
11ax_20M_TX_CH_L_Horizontal-Avg



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5500 Band edge
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 q	5442.538	19.28	34.69	31.43	22.91	45.45	54.00	-8.55	Average	0.00
2	5500.000	19.43	34.50	31.46	75.32	97.79	68.20	29.59	Average	0.00

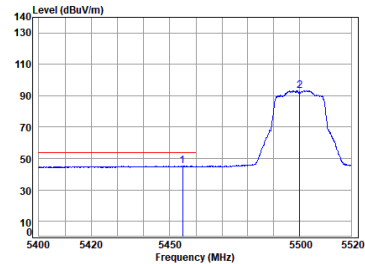
11ax_20M_TX_CH_L_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5500 Band edge
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5426.890	19.23	34.65	31.42	35.52	57.98	74.00	-16.02	Peak	0.00
2	5459.910	19.32	34.66	31.44	33.42	55.96	74.00	-18.04	Peak	0.00
3 p	5500.000	19.43	34.50	31.46	82.10	104.57	68.20	36.37	Peak	0.00

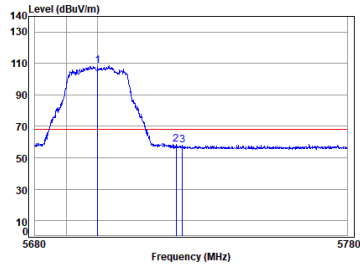
11ax_20M_TX_CH_L_Vertical-Avg



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5500 Band edge
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 q	5454.992	19.31	34.68	31.44	22.67	45.22	54.00	-8.78	Average	0.00
2	5500.000	19.43	34.50	31.46	70.90	93.37	68.20	25.17	Average	0.00

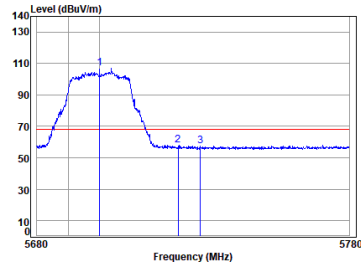
11ax_20M_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3e HORIZONTAL
Job No : 01022AT
Mode : 5700 Band edge
: 5G WIFI 11AX20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 p 5700.000	19.79	34.30	31.56	85.94	100.47	68.20	40.27	Peak	0.00
2 5725.000	19.83	34.25	31.57	35.81	58.32	68.20	-9.88	Peak	0.00
3 5727.083	19.83	34.25	31.57	35.48	57.99	68.20	-10.21	Peak	0.00

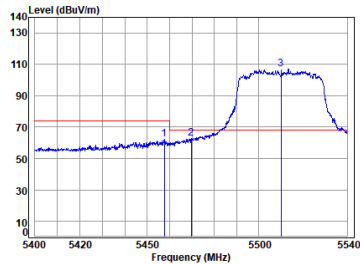
11ax_20M_TX_CH_H_Vertical-Peak



Site : chamber
Condition: 3e VERTICAL
Job No : 01022AT
Mode : 5700 Band edge
: 5G WIFI 11AX20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 p 5700.000	19.79	34.30	31.56	84.44	106.97	68.20	38.77	Peak	0.00
2 5725.000	19.83	34.25	31.57	35.43	57.94	68.20	-10.26	Peak	0.00
3 5732.182	19.84	34.24	31.57	35.21	57.72	68.20	-10.48	Peak	0.00

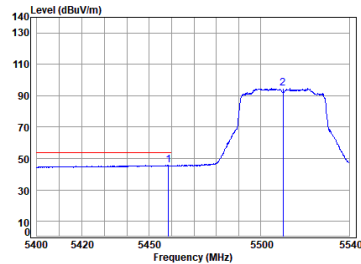
11ax_40M_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3e HORIZONTAL
Job No : 01022AT
Mode : 5510 Band edge
: 5G WIFI 11AX40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 5457.666	19.32	34.67	31.44	39.56	62.11	74.00	-11.89	Peak	0.00
2 5469.692	19.35	34.62	31.45	40.51	63.03	68.20	-5.17	Peak	0.00
3 p 5510.000	19.45	34.54	31.47	84.56	107.08	68.20	38.88	Peak	0.00

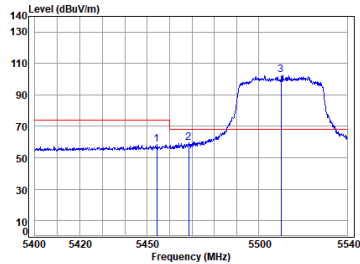
11ax_40M_TX_CH_L_Horizontal-Avg



Site : chamber
Condition: 3e HORIZONTAL
Job No : 01022AT
Mode : 5510 Band edge
: 5G WIFI 11AX40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 q 5458.643	19.32	34.67	31.44	23.10	45.65	54.00	-8.35	Average	0.00
2 5510.000	19.45	34.54	31.47	72.03	94.55	-----	-----	Average	0.00

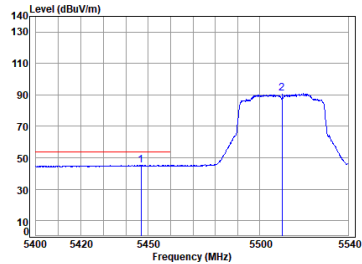
11ax_40M_TX_CH_L_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5510 Band edge
: 5G WIFI 11AX40

	Freq	Cable Loss Factor	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	5454.174	19.31	34.68	31.44	36.19	58.74	74.00	-15.26 Peak	0.00
2	5468.572	19.35	34.63	31.45	37.30	59.83	68.20	-8.37 Peak	0.00
3 p	5510.000	19.45	34.54	31.47	80.36	102.88	68.20	34.68 Peak	0.00

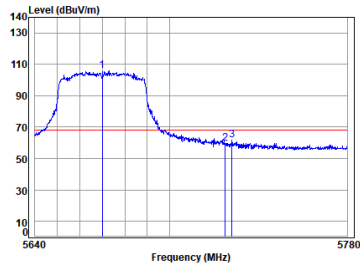
11ax_40M_TX_CH_L_Vertical-Avg



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5510 Band edge
: 5G WIFI 11AX40

	Freq	Cable Loss Factor	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1 q	5446.700	19.29	34.69	31.43	22.68	45.23	54.00	-8.77 Average	0.00
2	5510.000	19.45	34.54	31.47	68.43	90.95	-----	----- Average	0.00

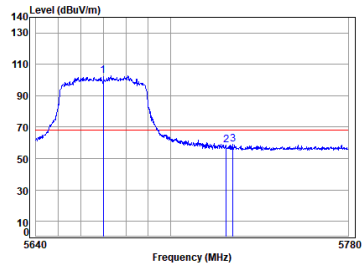
11ax_40M_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5670 Band edge
: 5G WIFI 11AX40

	Freq	Cable Loss Factor	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1 p	5670.000	19.73	34.36	31.54	83.20	105.75	68.20	37.55 Peak	0.00
2	5725.000	19.83	34.25	31.57	37.07	59.58	68.20	-8.62 Peak	0.00
3	5727.940	19.84	34.24	31.57	39.01	61.52	68.20	-6.68 Peak	0.00

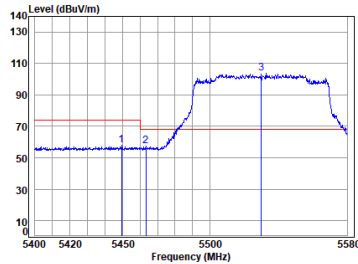
11ax_40M_TX_CH_H_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5670 Band edge
: 5G WIFI 11AX40

	Freq	Cable Loss Factor	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1 p	5670.000	19.73	34.36	31.54	80.21	102.76	68.20	34.56 Peak	0.00
2	5725.000	19.83	34.25	31.57	35.81	58.32	68.20	-9.88 Peak	0.00
3	5727.940	19.84	34.24	31.57	36.40	58.91	68.20	-9.29 Peak	0.00

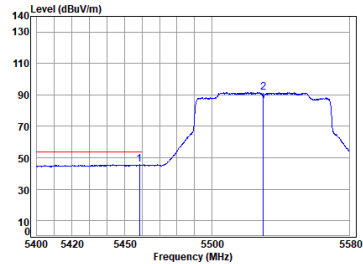
11ax_80M_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5530 Band edge
: 5G WIFI 11AX80

	Freq	Cable Loss Factor	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB		dB
1	5449.271	19.29	34.70	31.44	35.22	57.77	74.00	-16.23 Peak	0.00
2	5463.226	19.33	34.65	31.44	34.92	57.46	68.20	-10.74 Peak	0.00
3 p	5530.000	19.48	34.62	31.48	81.04	103.66	68.20	35.46 Peak	0.00

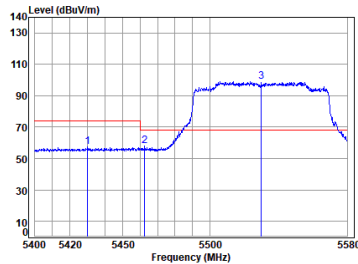
11ax_80M_TX_CH_L_Horizontal-Avg



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5530 Band edge
: 5G WIFI 11AX80

	Freq	Cable Loss Factor	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB		dB
1 q	5450.570	19.32	34.67	31.44	23.28	45.83	54.00	-8.17 Average	0.00
2	5530.000	19.48	34.62	31.48	69.00	91.62	-----	----- Average	0.00

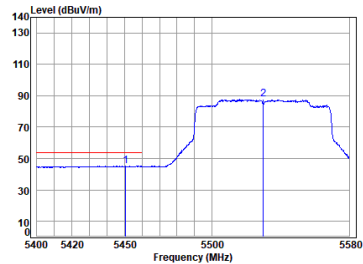
11ax_80M_TX_CH_L_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5530 Band edge
: 5G WIFI 11AX80

	Freq	Cable Loss Factor	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB		dB
1	5430.007	19.24	34.66	31.43	35.03	57.50	74.00	-16.50 Peak	0.00
2	5462.688	19.33	34.65	31.44	35.24	57.78	68.20	-10.42 Peak	0.00
3 p	5530.000	19.48	34.62	31.48	76.20	98.82	68.20	30.62 Peak	0.00

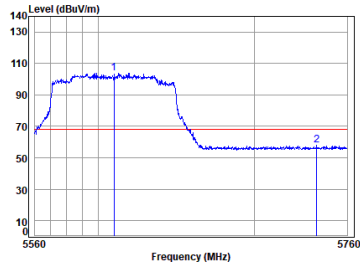
11ax_80M_TX_CH_L_Vertical-Avg



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5530 Band edge
: 5G WIFI 11AX80

	Freq	Cable Loss Factor	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB		dB
1 q	5450.521	19.30	34.70	31.44	22.62	45.18	54.00	-8.82 Average	0.00
2	5530.000	19.48	34.62	31.48	65.03	87.65	-----	----- Average	0.00

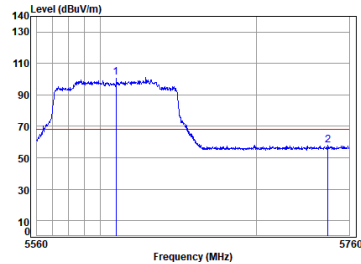
11ax_80M_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5610 Band edge
: 5G WIFI 11AX80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 p 5610.000	19.63	34.64	31.52	81.13	103.88	68.20	35.68	Peak	0.00
2 5740.289	19.86	34.22	31.58	35.48	57.98	68.20	-10.22	Peak	0.00

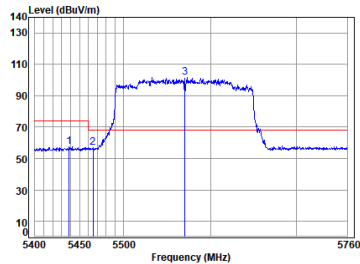
11ax_80M_TX_CH_H_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5610 Band edge
: 5G WIFI 11AX80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 p 5610.000	19.63	34.64	31.52	78.34	101.89	68.20	32.89	Peak	0.00
2 5746.175	19.87	34.21	31.58	35.62	58.12	68.20	-10.08	Peak	0.00

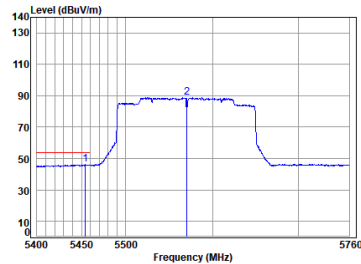
11ax_160M_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5570 Band edge
: 5G WIFI 11AX160

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 5438.472	19.27	34.68	31.43	35.19	57.71	74.00	-16.29	Peak	0.00
2 5465.213	19.34	34.64	31.44	34.38	56.92	68.20	-11.28	Peak	0.00
3 p 5570.000	19.56	34.70	31.50	78.68	101.44	68.20	33.24	Peak	0.00

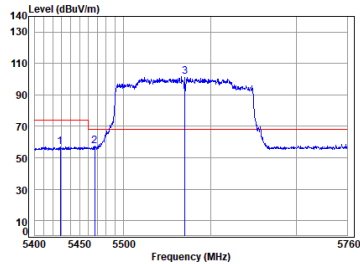
11ax_160M_TX_CH_H_Horizontal-Avg



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5570 Band edge
: 5G WIFI 11AX160

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 q 5454.642	19.31	34.68	31.44	23.57	46.12	54.00	-7.88	Average	0.00
2 5570.000	19.56	34.70	31.50	66.11	88.87	-----	-----	Average	0.00

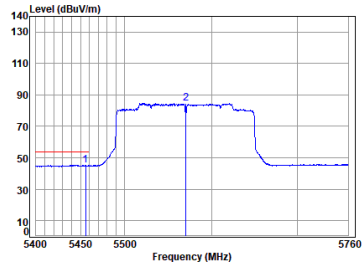
11ax_160M_TX_CH_H_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5570 Band edge
: 5G WIFI 11AX160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB		dB
1	5420.303	19.24	34.66	31.43	34.55	57.02	74.00	-16.90 Peak	0.00
2	5466.977	19.34	34.63	31.44	35.03	57.56	68.20	-10.64 Peak	0.00
3	5570.000	19.56	34.70	31.50	78.79	101.55	68.20	33.35 Peak	0.00

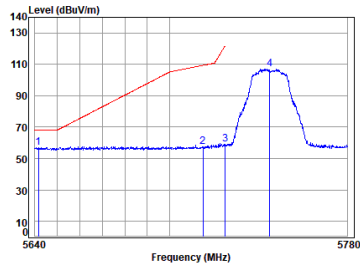
11ax_160M_TX_CH_H_Vertical-Avg



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5570 Band edge
: 5G WIFI 11AX160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB		dB
1	5455.698	19.31	34.68	31.44	22.77	45.32	54.00	-8.68 Average	0.00
2	5570.000	19.56	34.70	31.50	61.91	84.67	-----	----- Average	0.00

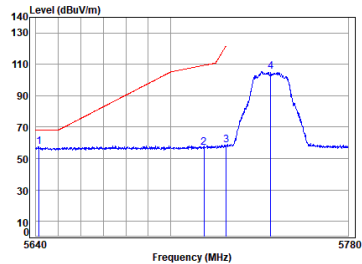
11a_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5745 Band edge
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB		dB
1	5641.660	19.68	34.45	31.53	34.55	57.15	68.20	-11.05 Peak	0.00
2	5715.000	19.81	34.27	31.57	34.85	57.36	109.40	-52.04 Peak	0.00
3	5725.000	19.83	34.25	31.57	36.32	58.83	122.20	-63.37 Peak	0.00
4	5745.000	19.87	34.21	31.58	84.67	107.17	-----	----- Peak	0.00

11a_TX_CH_L_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5745 Band edge
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB		dB
1	5641.383	19.68	34.45	31.53	34.78	57.38	68.20	-10.82 Peak	0.00
2	5715.000	19.81	34.27	31.57	34.26	56.77	109.40	-52.63 Peak	0.00
3	5725.000	19.83	34.25	31.57	36.16	58.67	122.20	-63.53 Peak	0.00
4	5745.000	19.87	34.21	31.58	82.86	105.36	-----	----- Peak	0.00

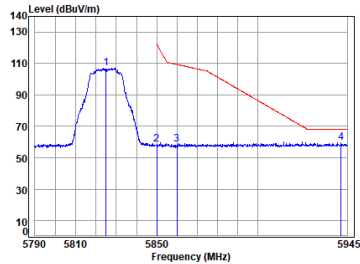


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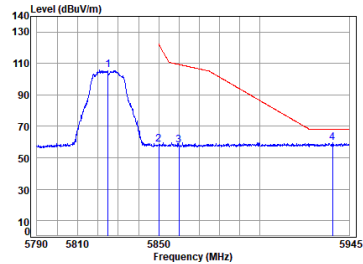
11a_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5825 Band edge
5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5825.000	20.00	34.35	31.62	84.43	107.16	-----	-----	Peak	0.00
2	5850.000	20.05	34.40	31.63	35.93	58.75	122.20	-63.45	Peak	0.00
3	5860.000	20.06	34.44	31.64	35.50	58.36	109.40	-51.04	Peak	0.00
4	5942.017	20.20	34.68	31.67	36.30	59.51	68.20	-8.69	Peak	0.00

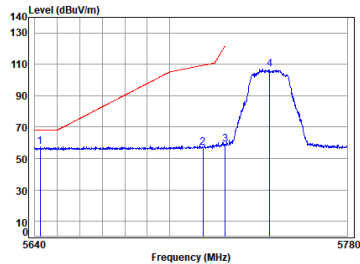
11a_TX_CH_H_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5825 Band edge
5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5825.000	20.00	34.35	31.62	83.10	105.83	-----	-----	Peak	0.00
2	5850.000	20.05	34.40	31.63	35.52	58.34	122.20	-63.86	Peak	0.00
3	5860.000	20.06	34.44	31.64	35.24	58.10	109.40	-51.30	Peak	0.00
4	5936.682	20.19	34.67	31.67	36.33	59.52	68.20	-8.68	Peak	0.00

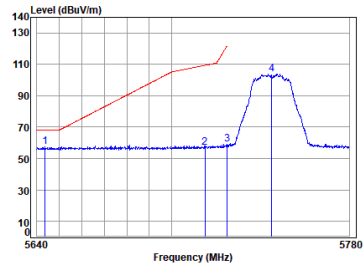
11ac_VHT(20M)_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5745 Band edge
5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5642.352	19.69	34.45	31.53	34.71	57.32	68.20	-10.88	Peak	0.00
2	5715.000	19.81	34.27	31.57	34.39	56.90	109.40	-52.50	Peak	0.00
3	5725.000	19.83	34.25	31.57	36.48	58.99	122.20	-63.21	Peak	0.00
4	5745.000	19.87	34.21	31.58	84.40	106.90	-----	-----	Peak	0.00

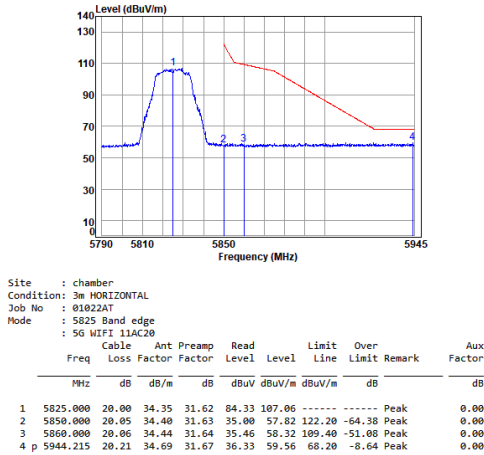
11ac_VHT(20M)_TX_CH_L_Vertical-Peak



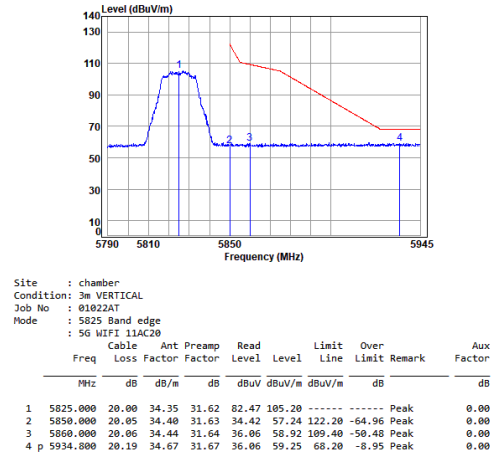
Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5745 Band edge
5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5643.735	19.69	34.44	31.53	34.67	57.27	68.20	-10.93	Peak	0.00
2	5715.000	19.81	34.27	31.57	34.30	56.81	109.40	-52.59	Peak	0.00
3	5725.000	19.83	34.25	31.57	36.56	59.07	122.20	-63.13	Peak	0.00
4	5745.000	19.87	34.21	31.58	81.41	103.91	-----	-----	Peak	0.00

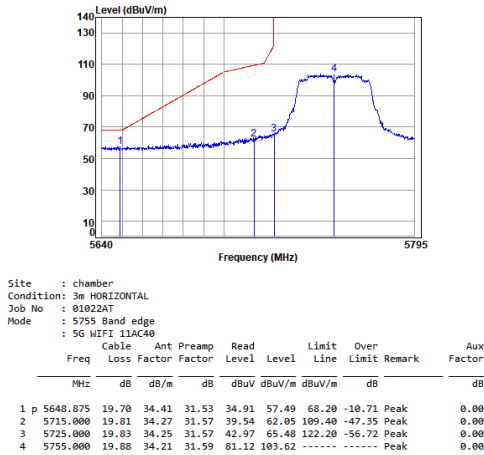
11ac_VHT(20M)_TX_CH_H_Horizontal-Peak



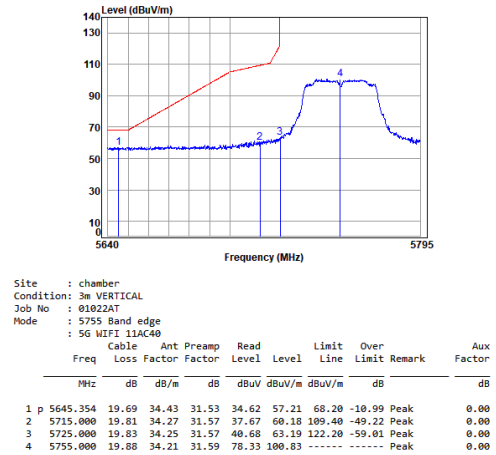
11ac_VHT(20M)_TX_CH_H_Vertical-Peak



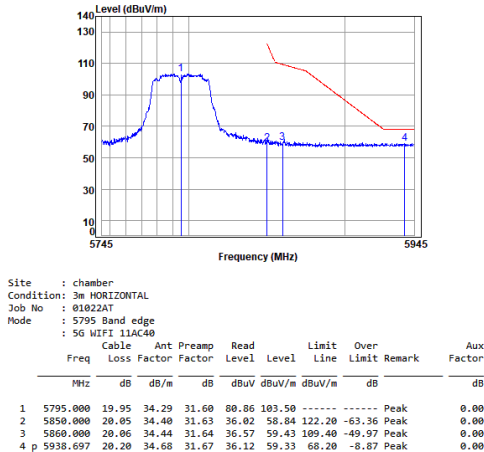
11ac_VHT(40M)_TX_CH_L_Horizontal-Peak



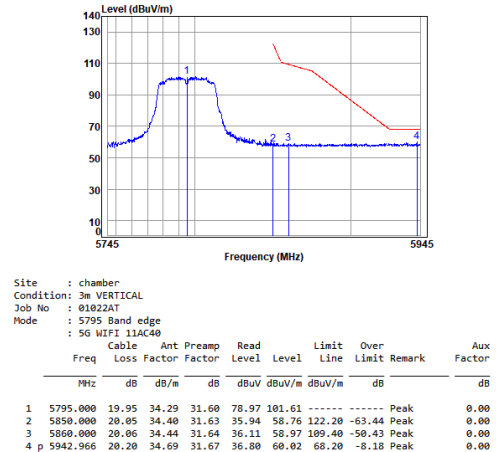
11ac_VHT(40M)_TX_CH_L_Vertical-Peak



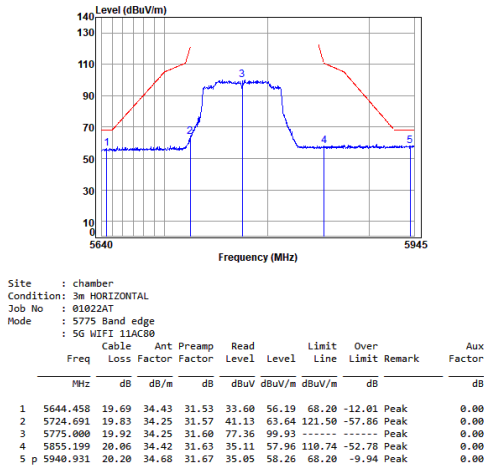
11ac_VHT(40M)_TX_CH_H_Horizontal-Peak



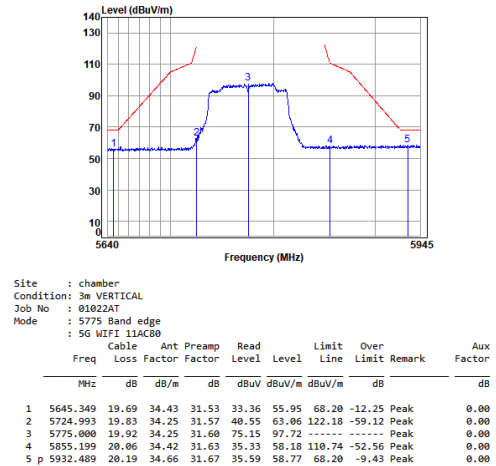
11ac_VHT(40M)_TX_CH_H_Vertical-Peak



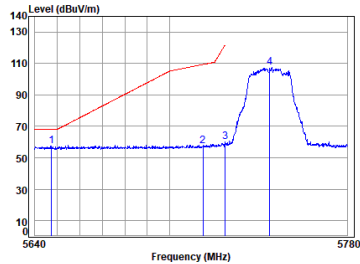
11ac_VHT(80M)_TX_CH_M_Horizontal-Peak



11ac_VHT(80M)_TX_CH_M_Vertical-Peak



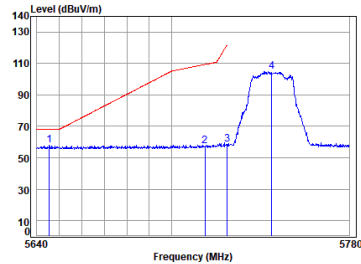
11ax(20M)_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5745 Band edge
: 5G WIFI 11AX20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 p 5647.334	19.69	34.42	31.53	34.81	57.39	68.20	-10.81	Peak	0.00
2 5715.000	19.81	34.27	31.57	34.92	57.43	109.40	-51.97	Peak	0.00
3 5725.000	19.83	34.25	31.57	37.71	60.22	122.20	-61.98	Peak	0.00
4 5745.000	19.87	34.21	31.58	85.22	107.72	-----	-----	Peak	0.00

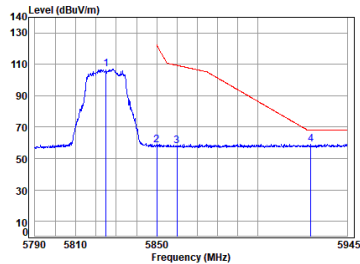
11ax(20M)_TX_CH_L_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5745 Band edge
: 5G WIFI 11AX20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 p 5645.534	19.69	34.43	31.53	35.17	57.76	68.20	-10.44	Peak	0.00
2 5715.000	19.81	34.27	31.57	35.14	57.65	109.40	-51.75	Peak	0.00
3 5725.000	19.83	34.25	31.57	36.11	58.62	122.20	-63.58	Peak	0.00
4 5745.000	19.87	34.21	31.58	82.40	104.90	-----	-----	Peak	0.00

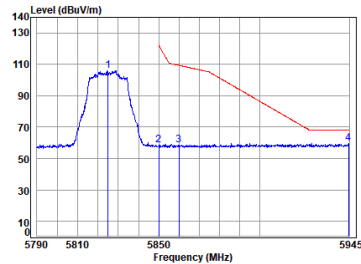
11ax(20M)_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5825 Band edge
: 5G WIFI 11AX20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 5825.000	20.00	34.35	31.62	84.42	107.15	-----	-----	Peak	0.00
2 5850.000	20.05	34.40	31.63	35.68	58.50	122.20	-63.70	Peak	0.00
3 5860.000	20.06	34.44	31.64	35.31	58.17	109.40	-51.23	Peak	0.00
4 p 5926.810	20.18	34.65	31.67	36.15	59.31	68.20	-8.89	Peak	0.00

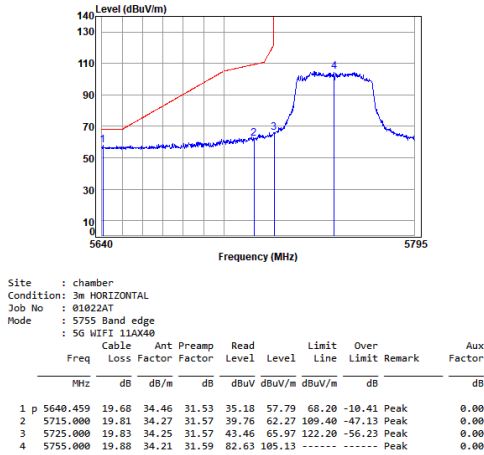
11ax(20M)_TX_CH_H_Vertical-Peak



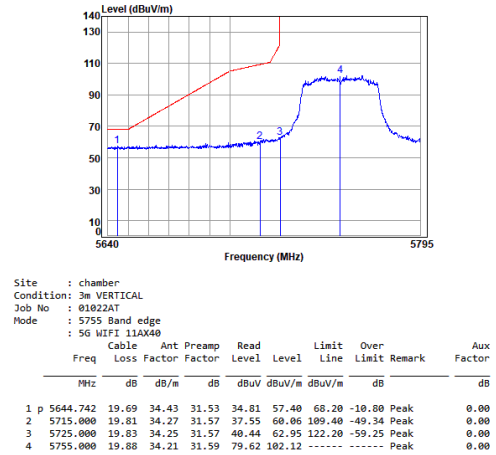
Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5825 Band edge
: 5G WIFI 11AX20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 5825.000	20.00	34.35	31.62	83.32	106.05	-----	-----	Peak	0.00
2 5850.000	20.05	34.40	31.63	35.51	58.33	122.20	-63.87	Peak	0.00
3 5860.000	20.06	34.44	31.64	35.77	58.63	109.40	-50.77	Peak	0.00
4 p 5944.686	20.21	34.69	31.67	36.56	59.79	68.20	-8.41	Peak	0.00

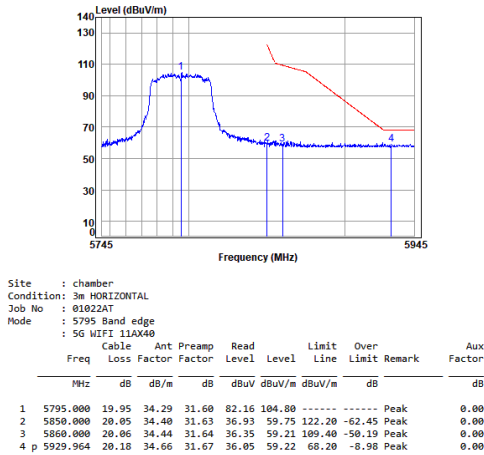
11ax(40M)_TX_CH_L_Horizontal-Peak



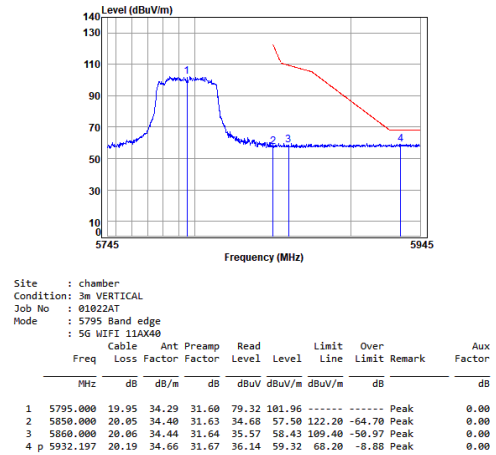
11ax(40M)_TX_CH_L_Vertical-Peak



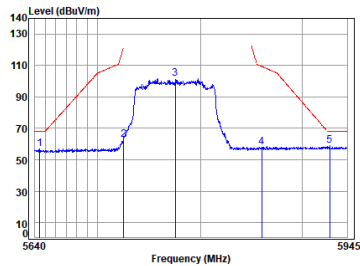
11ax(40M)_TX_CH_H_Horizontal-Peak



11ax(40M)_TX_CH_H_Vertical-Peak



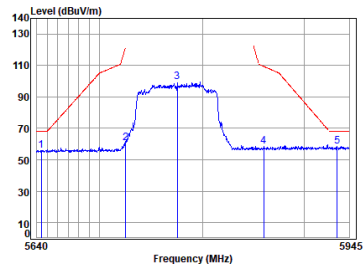
11ax(80M)_TX_CH_M_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5775 Band edge
5G WIFI 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5644.754	19.69	34.43	31.53	34.37	56.96	68.20	-11.24	Peak	0.00
2	5724.993	19.83	34.25	31.57	40.57	63.88	122.18	-59.10	Peak	0.00
3	5775.000	19.92	34.25	31.60	79.10	101.67	-----	-----	Peak	0.00
4	5860.135	20.06	34.44	31.64	35.30	58.16	109.36	-51.20	Peak	0.00
5 p	5927.492	20.18	34.65	31.67	35.89	59.05	68.20	-9.15	Peak	0.00

11ax(80M)_TX_CH_M_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5775 Band edge
5G WIFI 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5644.160	19.69	34.44	31.53	33.40	56.90	68.20	-12.20	Peak	0.00
2	5724.993	19.83	34.25	31.57	38.19	60.70	122.18	-61.48	Peak	0.00
3	5775.000	19.92	34.25	31.60	77.20	99.77	-----	-----	Peak	0.00
4	5860.135	20.06	34.44	31.64	35.65	58.51	109.36	-50.85	Peak	0.00
5 p	5933.114	20.19	34.67	31.67	35.30	58.49	68.20	-9.71	Peak	0.00

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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 (2020) Section 6.4,6.5
 Measurement Distance: 3m
 Test Engineer: Mason Wu
 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

Note

1. The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.

2. At frequencies below 1GHz, measurements may be performed at a distance different to specified in the regulations.

Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor+ Aux Factor (if applicable)

The aux factor needs to be added when measurements are performed at a distance other than the limit distance provided.

EX. Below 30MHz, Aux Factor = 40 dB/decade of distance, the aux factor is $40\log(3/300) = -80\text{dB}$ (for 3m test distance).

EX. Above 30MHz, Aux Factor = 20 dB/decade of distance, the aux factor is $20\log(10/3) = 10.46\text{dB}$ (for 10m test distance).

7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C

Humidity: 46.8 % RH

Atmospheric Pressure: 1020 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	17	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160). Only the



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		data of worst case is recorded in the report.
Final test	18	Charge + TX mode (U-NII-1)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160). Only the data of worst case is recorded in the report.
Pre-scan	19	TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80). Only the data of worst case is recorded in the report.
Pre-scan	20	Charge + TX mode (U-NII-2A)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80). Only the data of worst case is recorded in the report.
Pre-scan	21	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160). Only the data of worst case is recorded in the report.
Pre-scan	22	Charge + TX mode (U-NII-2C)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160). Only the data of worst case is recorded in the report.
Pre-scan	23	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80). Only the data of worst case is recorded in the report.
Pre-scan	24	Charge + TX mode (U-NII-3)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate



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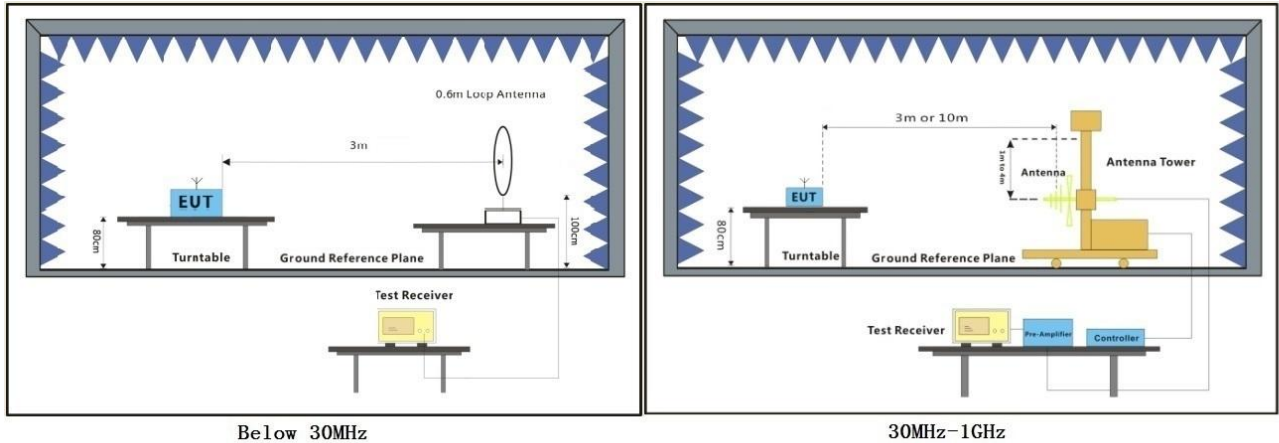
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		@ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80). Only the data of worst case is recorded in the report.
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7.3.3 Test Setup Diagram



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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 0.8m above the ground at a semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3m or 10m away from the interference-receiving antenna, which was mounted on the variable-height antenna tower.
- c. The antenna height is varied from 1m to 4m 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 1m to 4m (for the test frequency of below 30MHz, the antenna was tuned to heights 1m) 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. At frequencies below 1GHz, measurements may be performed at a distance different to specified in the regulations.

Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor+ Aux Factor (if applicable)

The aux factor needs to be added when measurements are performed at a distance other than the limit distance provided.

EX. Below 30MHz, Aux Factor = 40 dB/decade of distance, the aux factor is $40\log(3/300) = -80\text{dB}$ (for 3m test distance).

EX. Above 30MHz, Aux Factor = 20 dB/decade of distance, the aux factor is $20\log(10/3) = 10.46\text{dB}$ (for 10m test distance).

2. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

3. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the worst-case test curve is displayed.



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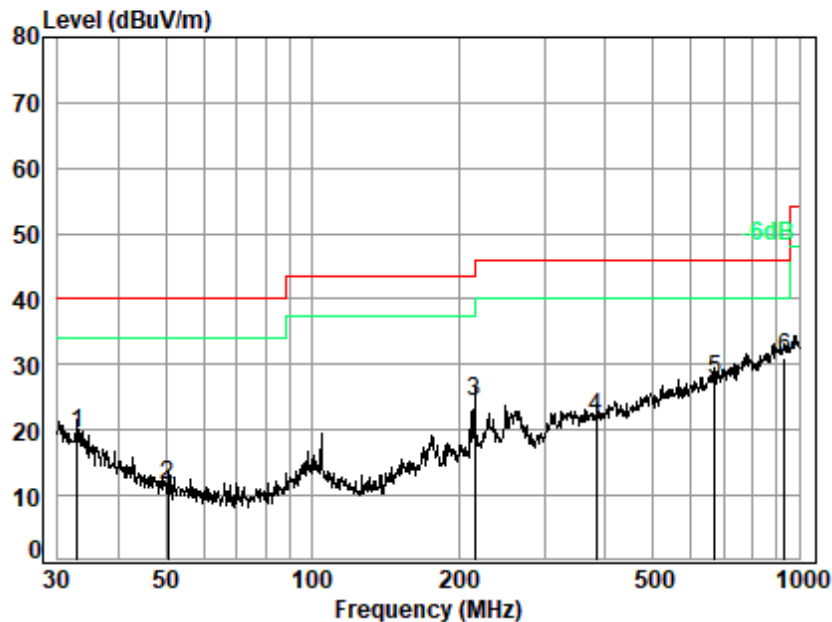
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Test Mode: 18; Polarity: Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 01022AT
Test Mode: 18
: 2#

	Ant Freq	Cable Factor	Preamp Loss	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	32.979	19.84	0.77	27.65	26.61	19.57	40.00	-20.43 QP
2	50.409	12.95	0.90	27.63	25.43	11.65	40.00	-28.35 QP
3	215.268	15.01	1.77	27.75	35.36	24.39	43.50	-19.11 QP
4	383.932	20.37	2.44	27.71	26.92	22.02	46.00	-23.98 QP
5	670.489	25.39	3.32	27.91	26.73	27.53	46.00	-18.47 QP
6 q	935.546	28.92	4.05	26.76	24.95	31.16	46.00	-14.84 QP

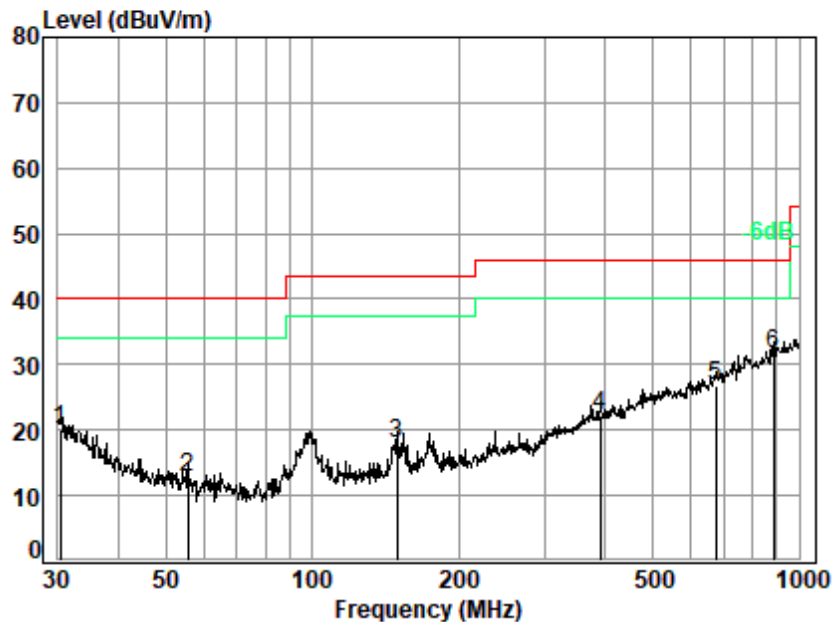


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Test Mode: 18; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No. : 01022AT
Test Mode: 18
: 2#

	Ant Freq	Cable Factor	Preamp Loss	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	30.317	21.29	0.74	27.65	25.65	20.03	40.00	-19.97 QP
2	55.415	12.00	0.91	27.63	27.48	12.76	40.00	-27.24 QP
3	149.486	13.27	1.50	27.72	30.85	17.90	43.50	-25.60 QP
4	390.723	20.38	2.46	27.73	27.10	22.21	46.00	-23.79 QP
5	672.845	25.47	3.33	27.90	25.86	26.76	46.00	-19.24 QP
6 q	887.610	28.80	3.95	27.04	25.82	31.53	46.00	-14.47 QP



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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 (2020) Section 6.6 & 12.7
 Measurement Distance: 3m
 Test Engineer: Logic Wang
 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:

1. 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 1000MHz. 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.

2. Above 18GHz, measurements may be performed at a distance shorter than that specified in the regulations

Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor+ Aux Factor (if applicable)

The aux factor needs to be added when measurements are performed at a distance other than the limit distance provided.

EX. Above 18GHz, Aux Factor = 20 dB/decade of distance, the aux factor is $20\log(1/3) = -9.54\text{dB}$ (for 1m test distance).



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7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C

Humidity: 56.3 % RH

Atmospheric Pressure: 1020 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	17	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160). Only the data of worst case is recorded in the report.
Final test	18	Charge + TX mode (U-NII-1)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160). Only the data of worst case is recorded in the report.
Pre-scan	19	TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80). Only the data of worst case is recorded in the report.
Final test	20	Charge + TX mode (U-NII-2A)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80). Only the data of worst case is recorded in the report.
Pre-scan	21	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160). Only the data of worst case is recorded in the report.
Final test	22	Charge + TX mode (U-NII-2C)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type



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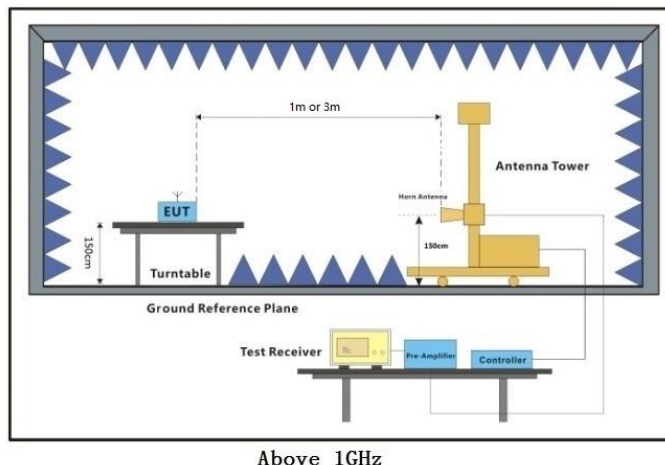
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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
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		have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160). Only the data of worst case is recorded in the report.
Pre-scan	23	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80). Only the data of worst case is recorded in the report.
Final test	24	Charge + TX mode (U-NII-3)_Keep the EUT in charging and continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80). Only the data of worst case is recorded in the report.

7.4.3 Test Setup Diagram



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 1GHz to 40GHz, The points marked on below 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 below harmonics were the highest point could be found when testing, so only the below 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 $\geq 1/T$ (Duty cycle $\leq 98\%$) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.

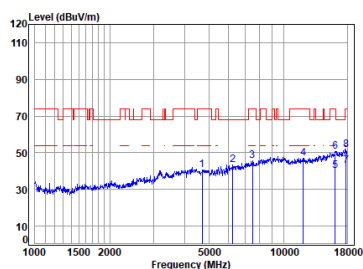


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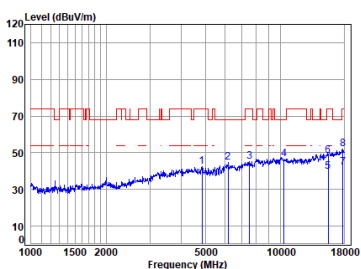
11a_TX_CH_L_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5180 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Factor	Ant Factor	Preamp	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB		dB
1 4707.887	7.34	33.73	54.23	53.85	40.69	74.00	-33.31	Peak		0.00
2 6249.464	8.90	34.90	53.13	52.74	43.41	68.20	-24.79	Peak		0.00
3 7497.646	8.41	36.10	53.15	54.49	45.85	74.00	-28.15	Peak		0.00
4 11975.100	11.62	37.78	53.20	50.89	47.69	74.00	-26.91	Peak		0.00
5 16081.140	10.91	41.68	51.89	39.52	40.22	54.00	-13.78	Average		0.00
6 16081.140	10.91	41.68	51.89	50.17	50.87	74.00	-23.13	Peak		0.00
7 q17793.090	11.38	43.89	52.50	39.92	42.69	54.00	-11.31	Average		0.00
8 p17793.090	11.38	43.89	52.50	48.61	51.38	74.00	-22.62	Peak		0.00

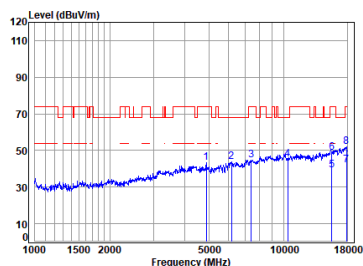
11a_TX_CH_L_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5180 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Factor	Ant Factor	Preamp	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB		dB
1 4845.948	7.44	34.48	54.21	54.88	42.59	74.00	-31.41	Peak		0.00
2 6159.797	8.91	34.86	53.12	54.26	44.91	68.20	-23.29	Peak		0.00
3 7519.349	8.44	36.10	53.15	53.96	45.35	74.00	-28.65	Peak		0.00
4 p10360.000	10.58	37.10	53.13	51.80	46.35	68.20	-21.85	Peak		0.00
5 15540.000	10.88	41.10	52.16	39.77	39.59	54.00	-14.41	Average		0.00
6 15540.000	10.88	41.10	52.16	48.70	48.52	74.00	-25.48	Peak		0.00
7 q17793.090	11.38	43.89	52.50	39.39	42.16	54.00	-11.84	Average		0.00
8 17793.090	11.38	43.89	52.50	49.11	51.86	74.00	-22.12	Peak		0.00

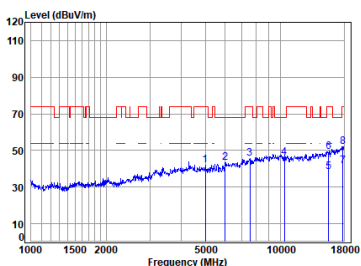
11a_TX_CH_M_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5200 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Factor	Ant Factor	Preamp	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB		dB
1 4888.151	7.48	34.65	54.21	55.61	43.53	74.00	-30.47	Peak		0.00
2 6177.627	8.91	34.79	53.12	53.37	43.95	68.20	-24.25	Peak		0.00
3 7411.461	8.44	35.85	53.16	53.61	44.74	74.00	-29.26	Peak		0.00
4 10400.000	10.57	37.10	53.12	50.64	45.19	68.20	-23.01	Peak		0.00
5 15600.000	10.88	41.10	52.11	39.31	39.18	54.00	-14.82	Average		0.00
6 15600.000	10.88	41.10	52.11	49.06	48.93	74.00	-25.07	Peak		0.00
7 q17896.250	11.44	43.90	52.45	39.24	42.13	54.00	-11.87	Average		0.00
8 p17896.250	11.44	43.90	52.45	49.10	51.99	74.00	-22.01	Peak		0.00

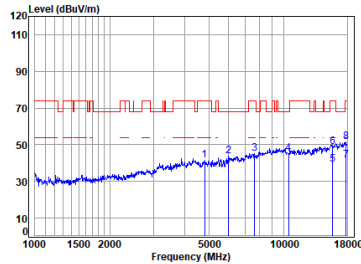
11a_TX_CH_M_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5200 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Factor	Ant Factor	Preamp	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB		dB
1 5002.497	7.56	34.39	54.20	54.18	41.93	74.00	-32.07	Peak		0.00
2 6001.626	8.93	34.90	53.10	52.77	43.50	68.20	-24.70	Peak		0.00
3 7562.942	8.50	36.13	53.14	53.98	45.47	74.00	-28.53	Peak		0.00
4 10400.000	10.57	37.10	53.12	51.45	46.00	68.20	-22.20	Peak		0.00
5 15600.000	10.88	41.10	52.11	38.53	38.40	54.00	-15.60	Average		0.00
6 15600.000	10.88	41.10	52.11	49.63	49.50	74.00	-24.50	Peak		0.00
7 q17793.090	11.38	43.89	52.50	38.64	41.41	54.00	-12.59	Average		0.00
8 p17793.090	11.38	43.89	52.50	49.37	52.14	74.00	-21.86	Peak		0.00

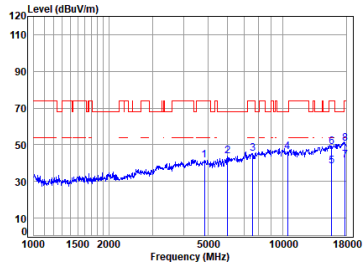
11a_TX_CH_H_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5240 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4818.016	7.42	34.37	54.22	54.02	41.59	74.00	-32.41	Peak	0.00
2 6001.626	8.93	34.90	53.10	52.86	43.59	68.20	-24.61	Peak	0.00
3 7650.888	8.62	36.20	53.13	53.25	44.94	74.00	-29.06	Peak	0.00
4 10480.000	10.56	37.26	53.10	50.63	45.35	68.20	-22.85	Peak	0.00
5 15720.000	10.89	41.22	52.02	39.01	39.10	54.00	-14.90	Average	0.00
6 15720.000	10.89	41.22	52.02	48.69	48.69	74.00	-25.31	Peak	0.00
7 q17793.090	11.38	43.89	52.50	38.66	41.43	54.00	-12.57	Average	0.00
8 p17793.090	11.38	43.89	52.50	48.67	51.44	74.00	-22.56	Peak	0.00

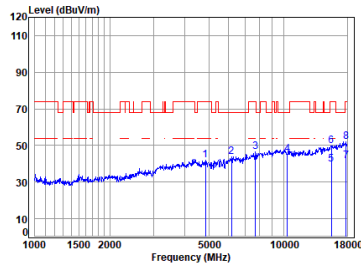
11a_TX_CH_H_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5240 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4845.948	7.44	34.48	54.21	53.91	41.62	74.00	-32.38	Peak	0.00
2 6001.626	8.93	34.90	53.10	53.14	43.87	68.20	-24.33	Peak	0.00
3 7584.833	8.53	36.17	53.14	53.48	45.04	74.00	-28.96	Peak	0.00
4 p10480.000	10.56	37.26	53.10	51.46	46.18	68.20	-22.02	Peak	0.00
5 15720.000	10.89	41.22	52.02	38.42	38.51	54.00	-15.49	Average	0.00
6 15720.000	10.89	41.22	52.02	48.63	48.72	74.00	-25.28	Peak	0.00
7 q17793.090	11.38	43.89	52.50	38.85	41.62	54.00	-12.38	Average	0.00
8 17793.090	11.38	43.89	52.50	48.10	50.87	74.00	-23.13	Peak	0.00

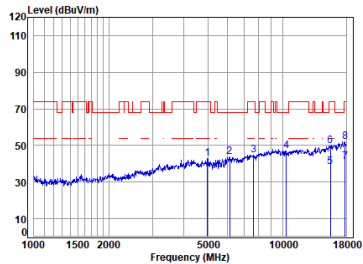
11ax_TX_CH_L_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5180 TX RSE
Note : 5G WIFI 11AX20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4845.948	7.44	34.48	54.21	54.30	42.01	74.00	-31.99	Peak	0.00
2 6177.627	8.91	34.79	53.12	53.30	43.88	68.20	-24.32	Peak	0.00
3 7695.244	8.68	36.11	53.13	55.02	46.68	74.00	-27.32	Peak	0.00
4 p10360.000	10.58	37.10	53.13	50.71	45.26	68.20	-22.94	Peak	0.00
5 15540.000	10.80	41.10	52.16	39.94	39.76	54.00	-14.24	Average	0.00
6 15540.000	10.80	41.10	52.16	50.00	49.82	74.00	-24.18	Peak	0.00
7 q17844.590	11.41	43.90	52.48	38.84	41.67	54.00	-12.33	Average	0.00
8 p17844.590	11.41	43.90	52.48	49.06	51.89	74.00	-22.11	Peak	0.00

11ax_TX_CH_L_Vertical

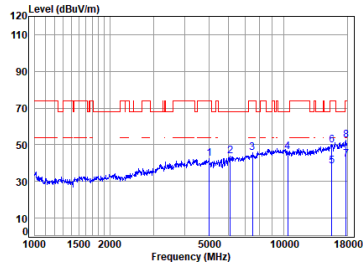


Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5180 TX RSE
Note : 5G WIFI 11AX20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4988.058	7.55	34.45	54.20	54.91	42.71	74.00	-31.29	Peak	0.00
2 6124.292	8.92	35.00	53.11	53.07	43.88	68.20	-24.32	Peak	0.00
3 7628.806	8.59	36.20	53.14	53.18	44.83	74.00	-29.17	Peak	0.00
4 p10360.000	10.58	37.10	53.13	52.38	46.93	68.20	-21.27	Peak	0.00
5 15540.000	10.80	41.10	52.16	38.69	38.51	54.00	-15.49	Average	0.00
6 15540.000	10.80	41.10	52.16	49.66	49.66	74.00	-24.32	Peak	0.00
7 q17844.590	11.41	43.90	52.48	38.23	41.06	54.00	-12.94	Average	0.00
8 17844.590	11.41	43.90	52.48	49.40	52.23	74.00	-21.77	Peak	0.00



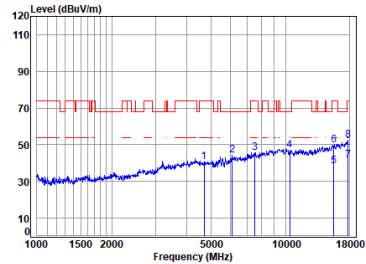
11ax_TX_CH_M_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5200 TX RSE
Note : 5G WIFI 11AX20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 5816.977	7.58	34.30	54.18	54.58	42.28	74.00	-31.72	Peak	0.00
2 6106.616	8.92	35.07	53.11	52.78	43.66	68.20	-24.54	Peak	0.00
3 7497.646	8.41	36.10	53.15	54.30	45.66	74.00	-28.34	Peak	0.00
4 10400.000	10.57	37.10	53.12	51.49	46.04	68.20	-22.16	Peak	0.00
5 15600.000	10.88	41.10	52.11	38.67	38.54	54.00	-15.46	Average	0.00
6 15600.000	10.88	41.10	52.11	49.82	49.69	74.00	-24.31	Peak	0.00
7 17793.090	11.38	43.89	52.50	39.20	41.97	54.00	-12.03	Average	0.00
8 17793.090	11.38	43.89	52.50	49.64	52.41	74.00	-21.59	Peak	0.00

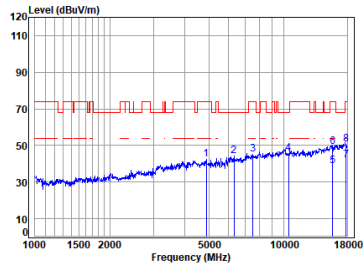
11ax_TX_CH_M_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5200 TX RSE
Note : 5G WIFI 11AX20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4787.887	7.34	33.73	54.23	53.97	40.81	74.00	-33.19	Peak	0.00
2 6106.616	8.92	35.07	53.11	53.34	44.22	68.20	-23.98	Peak	0.00
3 7519.349	8.44	36.10	53.15	54.17	45.56	74.00	-28.44	Peak	0.00
4 10400.000	10.57	37.10	53.12	52.40	46.95	68.20	-21.25	Peak	0.00
5 15600.000	10.88	41.10	52.11	38.45	38.32	54.00	-15.68	Average	0.00
6 15600.000	10.88	41.10	52.11	49.52	49.75	74.00	-24.21	Peak	0.00
7 17793.090	11.38	43.89	52.50	38.77	41.54	54.00	-12.46	Average	0.00
8 17793.090	11.38	43.89	52.50	49.48	52.25	74.00	-21.75	Peak	0.00

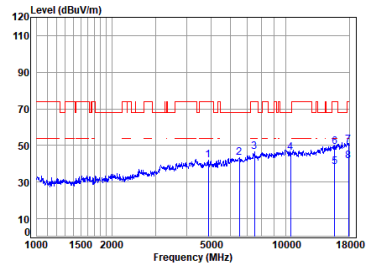
11ax_TX_CH_H_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5240 TX RSE
Note : 5G WIFI 11AX20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4888.151	7.48	34.65	54.21	54.33	42.25	74.00	-31.75	Peak	0.00
2 6322.136	8.90	34.96	53.13	53.73	44.46	68.20	-23.74	Peak	0.00
3 7519.349	8.44	36.10	53.15	53.79	45.18	74.00	-28.82	Peak	0.00
4 10400.000	10.56	37.26	53.10	51.06	45.78	68.20	-22.42	Peak	0.00
5 15720.000	10.89	41.22	52.02	38.66	38.75	54.00	-15.25	Average	0.00
6 15720.000	10.89	41.22	52.02	48.98	49.07	74.00	-24.93	Peak	0.00
7 17844.590	11.41	43.90	52.48	39.88	41.91	54.00	-12.09	Average	0.00
8 17844.590	11.41	43.90	52.48	47.93	50.76	74.00	-23.24	Peak	0.00

11ax_TX_CH_H_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5240 TX RSE
Note : 5G WIFI 11AX20

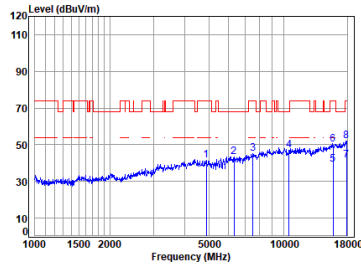
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4888.151	7.48	34.65	54.21	54.11	42.03	74.00	-31.97	Peak	0.00
2 6507.536	8.87	35.58	53.15	52.08	43.38	68.20	-24.82	Peak	0.00
3 7497.646	8.41	36.10	53.15	55.20	46.56	74.00	-27.44	Peak	0.00
4 10400.000	10.56	37.26	53.10	51.39	46.11	68.20	-22.09	Peak	0.00
5 15720.000	10.89	41.22	52.02	38.83	38.12	54.00	-15.88	Average	0.00
6 15720.000	10.89	41.22	52.02	48.99	49.08	74.00	-24.92	Peak	0.00
7 17896.250	11.44	43.90	52.45	47.41	50.30	74.00	-23.70	Peak	0.00
8 17896.250	11.44	43.90	52.45	38.85	41.74	54.00	-12.26	Average	0.00



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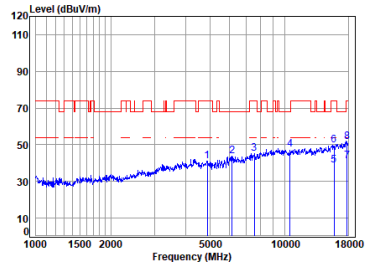
11a_TX_CH_L_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5260 TX RSE
Note : 5G WIFI 11A

Freq	Cable	Loss	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	Factor	Factor	Factor	Factor	Level	Line	Line	Limit	Factor
					dBuV	dBuV/m	dBuV/m	dB	dB
1 4880.151	7.40	34.65	54.21	53.43	41.35	74.00	-32.65	Peak	0.00
2 6322.136	8.90	34.96	53.13	52.83	43.56	68.20	-24.64	Peak	0.00
3 7519.349	8.44	36.10	53.15	53.85	45.24	74.00	-28.76	Peak	0.00
4 p10520.000	10.58	37.30	53.09	52.08	46.87	68.20	-21.33	Peak	0.00
5 15780.000	10.89	41.28	51.97	38.89	39.09	54.00	-14.91	Average	0.00
6 15780.000	10.89	41.28	51.97	49.86	50.06	74.00	-23.94	Peak	0.00
7 q17896.250	11.44	43.90	52.45	38.55	41.44	54.00	-12.56	Average	0.00
8 17896.250	11.44	43.90	52.45	49.17	52.06	74.00	-21.94	Peak	0.00

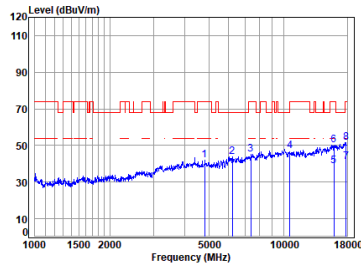
11a_TX_CH_L_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5260 TX RSE
Note : 5G WIFI 11A

Freq	Cable	Loss	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	Factor	Factor	Factor	Factor	Level	Line	Line	Limit	Factor
					dBuV	dBuV/m	dBuV/m	dB	dB
1 4880.151	7.40	34.65	54.21	53.24	41.16	74.00	-32.84	Peak	0.00
2 6322.019	8.92	34.93	53.12	52.94	43.67	68.20	-24.53	Peak	0.00
3 7541.114	8.47	36.10	53.14	53.64	45.07	74.00	-28.93	Peak	0.00
4 p10520.000	10.58	37.30	53.09	52.54	47.33	68.20	-20.87	Peak	0.00
5 15780.000	10.89	41.28	51.97	38.75	38.95	54.00	-15.05	Average	0.00
6 15780.000	10.89	41.28	51.97	49.54	49.74	74.00	-24.26	Peak	0.00
7 q17793.090	11.38	43.89	52.50	38.35	41.12	54.00	-12.88	Average	0.00
8 17793.090	11.38	43.89	52.50	48.95	51.72	74.00	-22.28	Peak	0.00

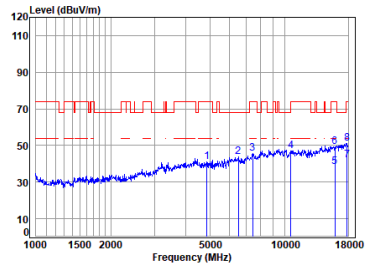
11a_TX_CH_M_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5300 TX RSE
Note : 5G WIFI 11A

Freq	Cable	Loss	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	Factor	Factor	Factor	Factor	Level	Line	Line	Limit	Factor
					dBuV	dBuV/m	dBuV/m	dB	dB
1 4818.016	7.42	34.37	54.22	54.37	41.94	74.00	-32.06	Peak	0.00
2 6213.441	8.91	34.75	53.12	53.39	43.93	68.20	-24.27	Peak	0.00
3 7390.070	8.44	35.78	53.16	54.09	45.15	74.00	-28.85	Peak	0.00
4 p10600.000	10.66	37.30	53.08	52.08	46.96	68.20	-21.24	Peak	0.00
5 15900.000	10.90	41.40	51.88	38.49	38.91	54.00	-15.09	Average	0.00
6 15900.000	10.90	41.40	51.88	49.62	50.04	74.00	-23.96	Peak	0.00
7 q17793.090	11.38	43.89	52.50	38.52	41.29	54.00	-12.71	Average	0.00
8 17793.090	11.38	43.89	52.50	48.62	51.39	74.00	-22.61	Peak	0.00

11a_TX_CH_M_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5300 TX RSE
Note : 5G WIFI 11A

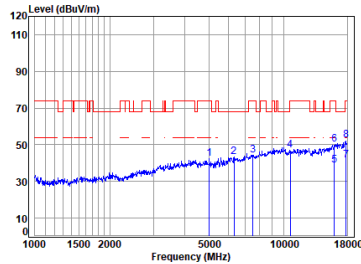
Freq	Cable	Loss	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	Factor	Factor	Factor	Factor	Level	Line	Line	Limit	Factor
					dBuV	dBuV/m	dBuV/m	dB	dB
1 4874.043	7.47	34.60	54.21	53.18	41.04	74.00	-32.96	Peak	0.00
2 6507.536	8.87	35.58	53.15	52.50	43.80	68.20	-24.40	Peak	0.00
3 7432.914	8.43	35.93	53.16	54.27	45.47	74.00	-28.53	Peak	0.00
4 p10600.000	10.66	37.30	53.08	52.04	46.92	68.20	-21.28	Peak	0.00
5 15900.000	10.90	41.40	51.88	38.85	38.47	54.00	-15.53	Average	0.00
6 15900.000	10.90	41.40	51.88	48.97	49.39	74.00	-24.61	Peak	0.00
7 q17844.590	11.41	43.90	52.48	38.26	42.09	54.00	-11.91	Average	0.00
8 17844.590	11.41	43.90	52.48	48.33	51.16	74.00	-22.84	Peak	0.00



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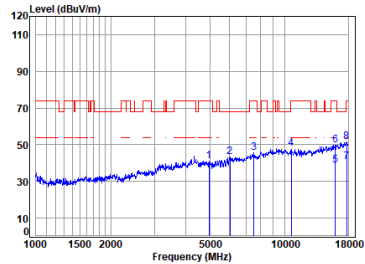
11a_TX_CH_H_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5320 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 5816.977	7.58	34.30	54.18	54.58	42.28	74.00	-31.72	Peak	0.00	
2 6322.136	8.90	34.96	53.13	52.39	43.12	68.20	-25.08	Peak	0.00	
3 7519.349	8.44	36.10	53.15	52.95	44.34	74.00	-29.66	Peak	0.00	
4 10640.000	10.70	37.22	53.07	52.29	47.14	74.00	-26.86	Peak	0.00	
5 15960.000	10.90	41.52	51.83	38.10	38.69	54.00	-15.31	Average	0.00	
6 15960.000	10.90	41.52	51.83	49.68	50.27	74.00	-23.73	Peak	0.00	
7 q17844.590	11.41	43.90	52.48	38.78	41.61	54.00	-12.39	Average	0.00	
8 p17844.590	11.41	43.90	52.48	49.75	52.58	74.00	-21.42	Peak	0.00	

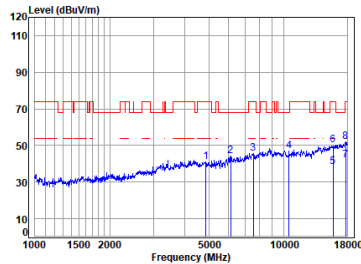
11a_TX_CH_H_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5320 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4959.307	7.53	34.56	54.20	53.18	41.87	74.00	-32.93	Peak	0.00	
2 6018.999	8.93	34.94	53.10	52.41	43.18	68.20	-25.02	Peak	0.00	
3 7519.349	8.44	36.10	53.15	54.21	45.60	74.00	-28.40	Peak	0.00	
4 10640.000	10.70	37.22	53.07	53.02	47.87	74.00	-26.13	Peak	0.00	
5 15960.000	10.90	41.52	51.83	38.08	38.67	54.00	-15.33	Average	0.00	
6 15960.000	10.90	41.52	51.83	49.57	49.56	74.00	-24.44	Peak	0.00	
7 q17741.740	11.35	43.84	52.53	37.88	40.54	54.00	-13.46	Average	0.00	
8 p17741.740	11.35	43.84	52.53	48.77	51.43	74.00	-22.57	Peak	0.00	

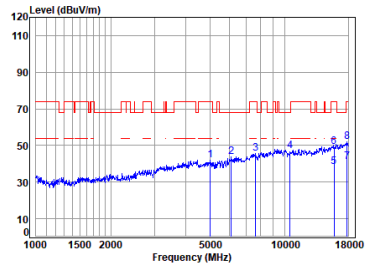
11ax_TX_CH_L_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5260 TX RSE
Note : 5G WIFI 11AX20

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4874.043	7.47	34.60	54.21	53.12	40.98	74.00	-33.02	Peak	0.00	
2 6124.292	8.92	35.00	53.11	53.63	44.44	68.20	-23.76	Peak	0.00	
3 7541.114	8.47	36.10	53.14	54.28	45.71	74.00	-28.29	Peak	0.00	
4 p10520.000	10.58	37.30	53.09	52.33	47.12	68.20	-21.08	Peak	0.00	
5 15780.000	10.89	41.28	51.97	38.09	38.29	54.00	-15.71	Average	0.00	
6 15780.000	10.89	41.28	51.97	49.90	50.10	74.00	-23.90	Peak	0.00	
7 q17741.740	11.35	43.84	52.53	39.34	42.00	54.00	-12.00	Average	0.00	
8 17741.740	11.35	43.84	52.53	49.50	52.16	74.00	-21.84	Peak	0.00	

11ax_TX_CH_L_Vertical

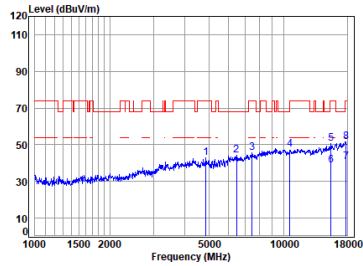


Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5260 TX RSE
Note : 5G WIFI 11AX20

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 5031.499	7.60	34.21	54.16	54.41	42.06	74.00	-31.94	Peak	0.00	
2 6088.991	8.92	35.00	53.11	53.10	43.99	68.20	-24.21	Peak	0.00	
3 7650.888	8.62	36.20	53.13	54.02	45.71	74.00	-28.29	Peak	0.00	
4 p10520.000	10.58	37.30	53.09	52.37	47.16	68.20	-21.04	Peak	0.00	
5 15780.000	10.89	41.28	51.97	37.91	38.11	54.00	-15.89	Average	0.00	
6 15780.000	10.89	41.28	51.97	49.14	49.34	74.00	-24.66	Peak	0.00	
7 q17793.090	11.38	43.89	52.50	38.41	41.18	54.00	-12.82	Average	0.00	
8 17793.090	11.38	43.89	52.50	49.16	51.93	74.00	-22.07	Peak	0.00	



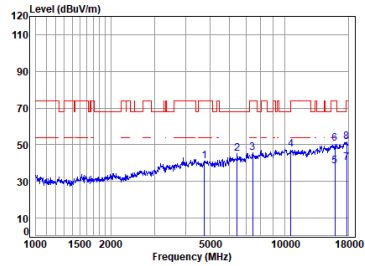
11ax_TX_CH_M_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5300 TX RSE
Note : 5G WIFI 11AX20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4874.043	7.47	34.60	54.21	54.82	42.68	74.00	-31.32	Peak	0.00
2 6470.026	8.88	35.54	53.15	53.15	44.42	68.20	-23.78	Peak	0.00
3 7476.006	8.42	36.05	53.15	54.21	45.53	74.00	-28.47	Peak	0.00
4 p10600.000	10.66	37.30	53.08	52.61	47.49	68.20	-20.71	Peak	0.00
5 15480.110	10.87	41.09	52.20	50.88	50.64	74.00	-23.36	Peak	0.00
6 15480.110	10.87	41.09	52.20	39.04	38.00	54.00	-15.20	Average	0.00
7 q17793.090	11.38	43.89	52.50	37.98	40.75	54.00	-13.25	Average	0.00
8 17793.090	11.38	43.89	52.50	48.90	51.67	74.00	-22.33	Peak	0.00

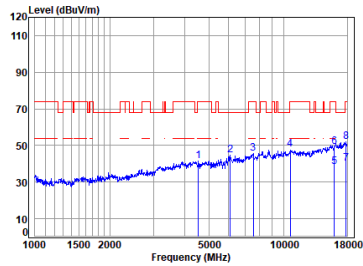
11ax_TX_CH_M_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5300 TX RSE
Note : 5G WIFI 11AX20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4762.633	7.30	34.00	54.22	53.93	41.89	74.00	-32.91	Peak	0.00
2 6451.353	8.88	35.50	53.15	53.00	45.03	68.20	-23.17	Peak	0.00
3 7432.914	8.43	35.93	53.16	54.36	45.56	74.00	-28.44	Peak	0.00
4 p10600.000	10.66	37.30	53.08	52.34	47.22	68.20	-20.98	Peak	0.00
5 15900.000	10.90	41.40	51.88	37.79	38.21	54.00	-15.79	Average	0.00
6 15900.000	10.90	41.40	51.88	50.12	50.54	74.00	-23.46	Peak	0.00
7 q17741.740	11.35	43.84	52.53	37.48	40.14	54.00	-13.86	Average	0.00
8 17741.740	11.35	43.84	52.53	49.01	51.67	74.00	-22.33	Peak	0.00

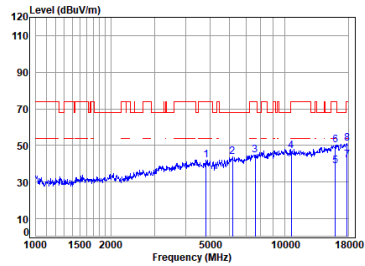
11ax_TX_CH_H_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5320 TX RSE
Note : 5G WIFI 11AX20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4547.396	7.21	33.32	54.24	55.46	41.75	74.00	-32.25	Peak	0.00
2 6106.616	8.92	35.07	53.11	53.61	44.49	68.20	-23.71	Peak	0.00
3 7541.114	8.47	36.10	53.14	54.06	45.49	74.00	-28.51	Peak	0.00
4 10640.000	10.70	37.22	53.07	52.87	47.72	74.00	-26.28	Peak	0.00
5 15960.000	10.90	41.52	51.83	37.58	38.17	54.00	-15.83	Average	0.00
6 15960.000	10.90	41.52	51.83	46.67	49.26	74.00	-24.74	Peak	0.00
7 q17793.090	11.38	43.89	52.50	37.41	40.18	54.00	-13.82	Average	0.00
8 p17793.090	11.38	43.89	52.50	49.07	51.84	74.00	-22.16	Peak	0.00

11ax_TX_CH_H_Vertical

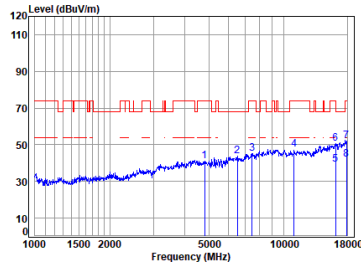


Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5320 TX RSE
Note : 5G WIFI 11AX20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4831.962	7.43	34.43	54.22	54.36	42.00	74.00	-32.00	Peak	0.00
2 6159.797	8.91	34.86	53.12	53.13	43.78	68.20	-24.42	Peak	0.00
3 7606.788	8.56	36.20	53.14	53.21	44.83	74.00	-29.17	Peak	0.00
4 10640.000	10.70	37.22	53.07	51.94	46.79	74.00	-27.21	Peak	0.00
5 15960.000	10.90	41.52	51.83	38.27	38.06	54.00	-15.14	Average	0.00
6 15960.000	10.90	41.52	51.83	49.38	49.97	74.00	-24.03	Peak	0.00
7 q17793.090	11.38	43.89	52.50	39.67	41.84	54.00	-12.16	Average	0.00
8 p17793.090	11.38	43.89	52.50	48.48	51.25	74.00	-22.75	Peak	0.00



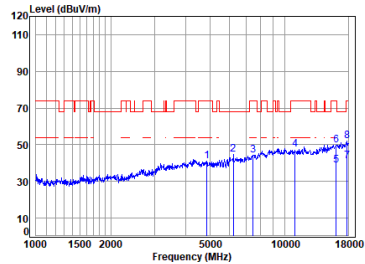
11a_TX_CH_L_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5500 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Factor	Ant Factor	Preamp	Read Level	Limit	Over	Aux
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	Limit Remark	Factor
1 4818.016	7.42	34.37	54.22	53.58	41.15	74.00	-32.85 Peak	0.00
2 6526.373	8.86	35.55	53.15	52.55	43.81	68.20	-24.39 Peak	0.00
3 7476.006	8.42	36.05	53.15	54.06	45.38	74.00	-28.62 Peak	0.00
4 11000.000	11.06	37.50	53.00	52.09	47.65	74.00	-26.35 Peak	0.00
5 16174.370	10.93	41.77	52.00	38.39	39.09	54.00	-14.91 Average	0.00
6 16174.370	10.93	41.77	52.00	49.95	50.65	74.00	-23.35 Peak	0.00
7 q17896.250	11.44	43.90	52.45	49.23	52.12	74.00	-21.88 Peak	0.00
8 q17896.250	11.44	43.90	52.45	38.94	41.83	54.00	-12.17 Average	0.00

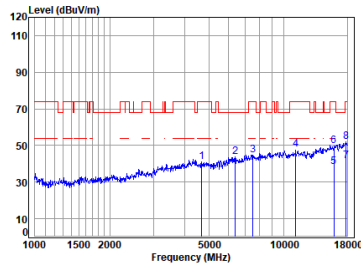
11a_TX_CH_L_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5500 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Factor	Ant Factor	Preamp	Read Level	Limit	Over	Aux
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	Limit Remark	Factor
1 4874.043	7.47	34.60	54.21	53.26	41.12	74.00	-32.88 Peak	0.00
2 6231.427	8.91	34.83	53.12	53.98	44.60	68.20	-23.60 Peak	0.00
3 7454.429	8.42	36.01	53.15	53.11	44.39	74.00	-29.61 Peak	0.00
4 11000.000	11.06	37.50	53.00	51.89	47.45	74.00	-26.55 Peak	0.00
5 16081.140	10.91	41.68	51.89	38.06	38.76	54.00	-15.24 Average	0.00
6 16081.140	10.91	41.68	51.89	49.13	49.83	74.00	-24.17 Peak	0.00
7 q17844.590	11.41	43.90	52.48	38.37	41.20	54.00	-12.80 Average	0.00
8 p17844.590	11.41	43.90	52.48	48.96	51.79	74.00	-22.21 Peak	0.00

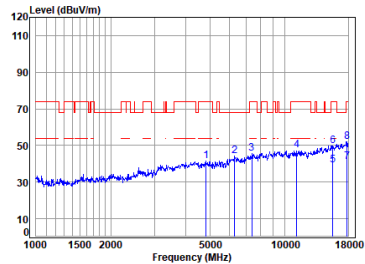
11a_TX_CH_M_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5500 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Factor	Ant Factor	Preamp	Read Level	Limit	Over	Aux
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	Limit Remark	Factor
1 4680.751	7.32	33.58	54.23	54.32	40.99	74.00	-33.01 Peak	0.00
2 6395.654	8.89	35.17	53.14	53.07	43.99	68.20	-24.21 Peak	0.00
3 7519.349	8.44	36.10	53.15	53.35	44.74	74.00	-29.26 Peak	0.00
4 11160.000	11.19	37.62	53.03	51.92	47.70	74.00	-26.30 Peak	0.00
5 15942.300	10.90	41.48	51.84	37.78	38.32	54.00	-15.68 Average	0.00
6 15942.300	10.90	41.48	51.84	48.99	49.53	74.00	-24.47 Peak	0.00
7 q17793.090	11.38	43.89	52.50	38.70	41.47	54.00	-12.53 Average	0.00
8 p17793.090	11.38	43.89	52.50	49.14	51.91	74.00	-22.09 Peak	0.00

11a_TX_CH_M_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5500 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Factor	Ant Factor	Preamp	Read Level	Limit	Over	Aux
MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	Limit Remark	Factor
1 4831.962	7.43	34.43	54.22	54.04	41.68	74.00	-32.32 Peak	0.00
2 6303.890	8.90	34.99	53.13	53.55	44.31	68.20	-23.89 Peak	0.00
3 7390.070	8.44	35.78	53.16	54.48	45.54	74.00	-28.46 Peak	0.00
4 11160.000	11.19	37.62	53.03	51.78	47.56	74.00	-26.44 Peak	0.00
5 15622.990	10.88	41.12	52.18	39.36	39.26	54.00	-14.74 Average	0.00
6 15622.990	10.88	41.12	52.18	50.84	49.94	74.00	-24.06 Peak	0.00
7 q17793.090	11.38	43.89	52.50	38.34	41.11	54.00	-12.89 Average	0.00
8 p17793.090	11.38	43.89	52.50	49.42	52.19	74.00	-21.81 Peak	0.00



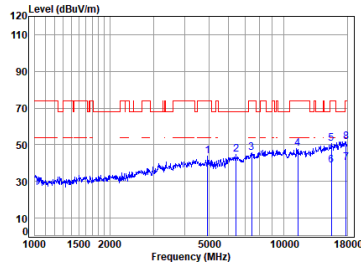
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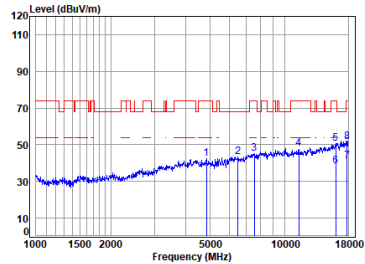
11a_TX_CH_H_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5700 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Factor	Ant Factor	Preamp	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB		dB
1 4944.993	7.52	34.61	54.20	55.72	43.65	74.00	-30.35	Peak		0.00
2 6432.732	8.89	35.40	53.15	53.36	44.50	68.20	-23.70	Peak		0.00
3 7432.914	8.43	35.93	53.16	54.25	45.45	74.00	-28.55	Peak		0.00
4 11400.000	11.37	37.70	53.08	51.93	47.92	74.00	-26.08	Peak		0.00
5 15532.940	10.88	41.10	52.17	50.80	50.61	74.00	-23.39	Peak		0.00
6 15532.940	10.88	41.10	52.17	38.75	38.56	54.00	-15.44	Average		0.00
7 q17793.090	11.38	43.89	52.50	37.24	40.01	54.00	-13.99	Average		0.00
8 p17793.090	11.38	43.89	52.50	48.65	51.42	74.00	-22.58	Peak		0.00

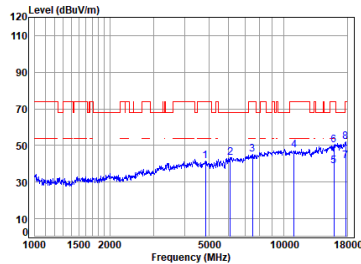
11a_TX_CH_H_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5700 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Factor	Ant Factor	Preamp	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB		dB
1 4845.948	7.44	34.48	54.21	54.56	42.27	74.00	-31.73	Peak		0.00
2 6488.754	8.88	35.58	53.15	52.17	43.48	68.20	-24.72	Peak		0.00
3 7562.942	8.50	36.13	53.14	53.56	45.05	74.00	-28.95	Peak		0.00
4 11400.000	11.37	37.70	53.08	51.73	47.72	74.00	-26.28	Peak		0.00
5 16034.730	10.91	41.63	51.84	50.00	50.70	74.00	-23.30	Peak		0.00
6 16034.730	10.91	41.63	51.84	37.57	38.27	54.00	-15.73	Average		0.00
7 q17844.590	11.41	43.90	52.48	38.31	41.14	54.00	-12.86	Average		0.00
8 p17844.590	11.41	43.90	52.48	48.73	51.56	74.00	-22.44	Peak		0.00

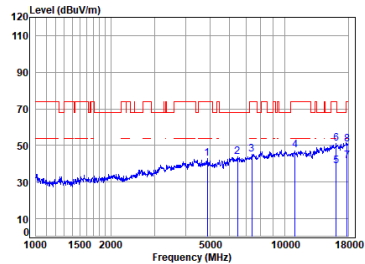
11ax_TX_CH_L_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5500 TX RSE
Note : 5G WIFI 11AX20

Freq	Cable Loss	Factor	Ant Factor	Preamp	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB		dB
1 4845.948	7.44	34.48	54.21	53.86	41.57	74.00	-32.43	Peak		0.00
2 6106.616	8.92	35.07	53.11	52.46	43.34	68.20	-24.86	Peak		0.00
3 7497.646	8.41	36.10	53.15	53.79	45.15	74.00	-28.85	Peak		0.00
4 11000.000	11.06	37.50	53.00	51.79	47.35	74.00	-26.65	Peak		0.00
5 15896.290	10.90	41.40	51.88	38.28	38.70	54.00	-15.30	Average		0.00
6 15896.290	10.90	41.40	51.88	49.76	50.18	74.00	-23.82	Peak		0.00
7 q17741.740	11.35	43.84	52.53	38.99	41.65	54.00	-12.35	Average		0.00
8 p17741.740	11.35	43.84	52.53	49.16	51.82	74.00	-22.18	Peak		0.00

11ax_TX_CH_L_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5500 TX RSE
Note : 5G WIFI 11AX20

Freq	Cable Loss	Factor	Ant Factor	Preamp	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB		dB
1 4888.151	7.48	34.65	54.21	54.83	42.75	74.00	-31.25	Peak		0.00
2 6470.026	8.88	35.54	53.15	52.44	43.71	68.20	-24.49	Peak		0.00
3 7390.070	8.44	35.78	53.16	54.09	45.15	74.00	-28.85	Peak		0.00
4 11000.000	11.06	37.50	53.00	51.92	47.48	74.00	-26.52	Peak		0.00
5 16061.140	10.91	41.68	51.89	38.23	38.93	54.00	-15.07	Average		0.00
6 p16061.140	10.91	41.68	51.89	50.22	50.92	74.00	-23.08	Peak		0.00
7 q17844.590	11.41	43.90	52.48	38.64	41.47	54.00	-12.53	Average		0.00
8 17844.590	11.41	43.90	52.48	48.03	50.86	74.00	-23.14	Peak		0.00



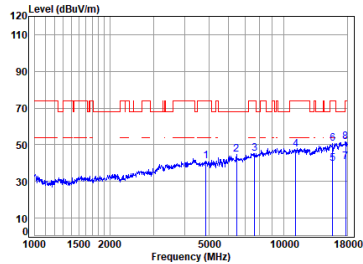
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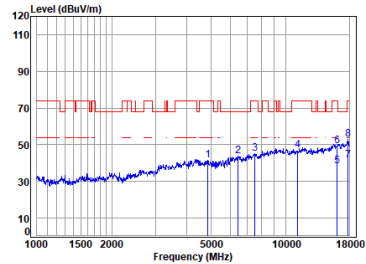
11ax_TX_CH_M_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5500 TX RSE
Note : 5G WIFI 11AX20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4874.043	7.47	34.60	54.21	53.14	41.00	74.00	-33.00	Peak	0.00
2 6470.026	8.88	35.54	53.15	53.30	44.57	68.20	-23.63	Peak	0.00
3 7628.006	8.59	36.20	53.14	53.70	45.35	74.00	-28.65	Peak	0.00
4 11160.000	11.19	37.62	53.03	51.47	47.25	74.00	-26.75	Peak	0.00
5 15713.560	10.89	41.21	52.02	39.75	39.83	54.00	-14.17	Average	0.00
6 15713.560	10.89	41.21	52.02	50.64	50.72	74.00	-23.28	Peak	0.00
7 q17741.740	11.35	43.84	52.53	38.13	40.79	54.00	-13.21	Average	0.00
8 p17741.740	11.35	43.84	52.53	48.92	51.58	74.00	-22.42	Peak	0.00

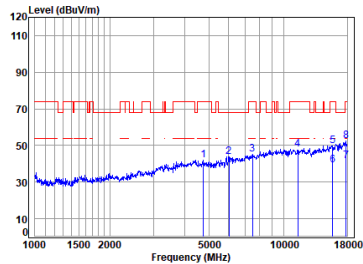
11ax_TX_CH_M_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5500 TX RSE
Note : 5G WIFI 11AX20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4874.043	7.47	34.60	54.21	53.71	41.57	74.00	-32.43	Peak	0.00
2 6451.353	8.88	35.50	53.15	52.65	43.88	68.20	-24.32	Peak	0.00
3 7519.349	8.44	36.10	53.15	53.84	45.23	74.00	-28.77	Peak	0.00
4 11160.000	11.19	37.62	53.03	51.34	47.12	74.00	-26.88	Peak	0.00
5 16081.140	10.91	41.68	51.09	37.64	38.34	54.00	-15.66	Average	0.00
6 16081.140	10.91	41.68	51.09	48.80	49.50	74.00	-24.50	Peak	0.00
7 q17844.590	11.41	43.90	52.48	38.91	41.74	54.00	-12.26	Average	0.00
8 p17844.590	11.41	43.90	52.48	49.98	52.81	74.00	-21.19	Peak	0.00

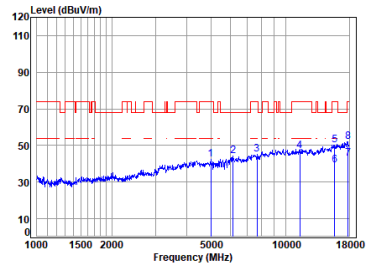
11ax_TX_CH_H_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5700 TX RSE
Note : 5G WIFI 11AX20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4762.633	7.38	34.00	54.22	54.79	41.95	74.00	-32.05	Peak	0.00
2 6018.999	8.93	34.94	53.10	53.25	44.02	68.20	-24.18	Peak	0.00
3 7497.646	8.41	36.10	53.15	53.86	45.22	74.00	-28.78	Peak	0.00
4 11400.000	11.37	37.70	53.08	52.01	48.00	74.00	-26.00	Peak	0.00
5 15759.050	10.89	41.26	51.99	49.71	49.87	74.00	-24.13	Peak	0.00
6 15759.050	10.89	41.26	51.99	39.00	39.16	54.00	-14.84	Average	0.00
7 q17793.090	11.38	43.89	52.50	38.62	41.39	54.00	-12.61	Average	0.00
8 p17793.090	11.38	43.89	52.50	49.87	52.64	74.00	-21.36	Peak	0.00

11ax_TX_CH_H_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5700 TX RSE
Note : 5G WIFI 11AX20

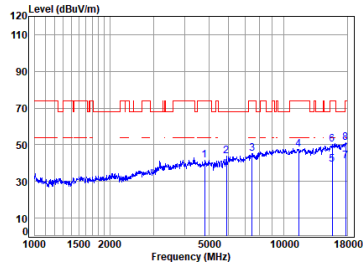
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MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 5002.497	7.56	34.39	54.20	54.65	42.40	74.00	-31.60	Peak	0.00
2 6142.019	8.92	34.93	53.12	53.57	44.30	68.20	-23.90	Peak	0.00
3 7673.034	8.65	36.15	53.13	53.41	45.08	74.00	-28.92	Peak	0.00
4 11400.000	11.37	37.70	53.08	51.18	47.17	74.00	-26.83	Peak	0.00
5 15759.050	10.89	41.26	51.99	50.81	50.17	74.00	-23.83	Peak	0.00
6 15759.050	10.89	41.26	51.99	39.16	39.32	54.00	-14.68	Average	0.00
7 q17793.090	11.38	43.89	52.50	39.90	42.67	54.00	-11.33	Average	0.00
8 p17793.090	11.38	43.89	52.50	49.38	52.15	74.00	-21.85	Peak	0.00



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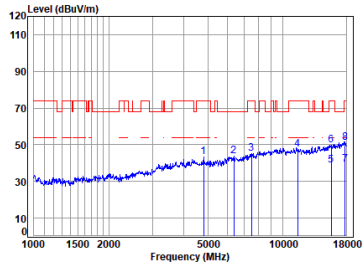
11a_TX_CH_L_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5745 TX RSE
Note : 5G WIFI 11A

Freq	Cable	Loss	Factor	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB	dB	dB
1 4818.016	7.42	34.37	54.22	53.98	41.55	74.00	-32.45	Peak	0.00	
2 5881.418	8.75	34.53	53.22	53.81	43.87	68.20	-24.33	Peak	0.00	
3 7454.429	8.42	36.01	53.15	54.00	45.28	74.00	-28.72	Peak	0.00	
4 11490.000	11.44	37.79	53.10	51.33	47.46	74.00	-26.54	Peak	0.00	
5 15668.210	10.89	41.17	52.06	39.06	39.06	54.00	-14.94	Average	0.00	
6 15668.210	10.89	41.17	52.06	50.03	50.03	74.00	-23.97	Peak	0.00	
7 q17741.740	11.35	43.84	52.53	38.48	41.14	54.00	-12.86	Average	0.00	
8 p17741.740	11.35	43.84	52.53	48.43	51.09	74.00	-22.91	Peak	0.00	

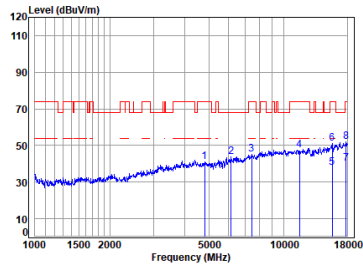
11a_TX_CH_L_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5745 TX RSE
Note : 5G WIFI 11A

Freq	Cable	Loss	Factor	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB	dB	dB
1 4884.110	7.41	34.32	54.22	55.82	43.33	74.00	-30.67	Peak	0.00	
2 6358.789	8.89	34.95	53.14	53.14	43.84	68.20	-24.36	Peak	0.00	
3 7497.646	8.41	36.10	53.15	53.85	45.21	74.00	-28.79	Peak	0.00	
4 11490.000	11.44	37.79	53.10	51.53	47.66	74.00	-26.34	Peak	0.00	
5 15668.210	10.89	41.17	52.06	38.63	38.63	54.00	-15.37	Average	0.00	
6 15668.210	10.89	41.17	52.06	49.91	49.91	74.00	-24.00	Peak	0.00	
7 q17844.590	11.41	43.90	52.48	36.42	39.25	54.00	-14.75	Average	0.00	
8 p17844.590	11.41	43.90	52.48	48.35	51.18	74.00	-22.82	Peak	0.00	

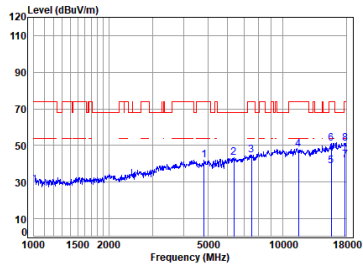
11a_TX_CH_M_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5785 TX RSE
Note : 5G WIFI 11A

Freq	Cable	Loss	Factor	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB	dB	dB
1 4818.016	7.42	34.37	54.22	53.51	41.08	74.00	-32.92	Peak	0.00	
2 6142.019	8.92	34.93	53.12	53.00	43.73	68.20	-24.47	Peak	0.00	
3 7432.914	8.43	35.93	53.16	54.00	45.20	74.00	-28.80	Peak	0.00	
4 11570.000	11.48	37.73	53.12	51.34	47.43	74.00	-26.57	Peak	0.00	
5 15668.210	10.89	41.17	52.06	38.05	38.05	54.00	-15.95	Average	0.00	
6 15668.210	10.89	41.17	52.06	51.31	51.31	74.00	-22.69	Peak	0.00	
7 q17793.090	11.38	43.89	52.50	37.57	40.34	54.00	-13.66	Average	0.00	
8 p17793.090	11.38	43.89	52.50	49.16	51.93	74.00	-22.07	Peak	0.00	

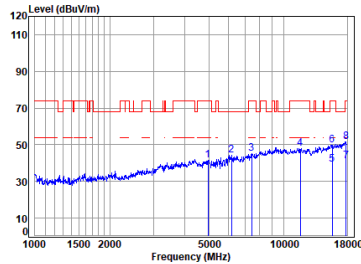
11a_TX_CH_M_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5785 TX RSE
Note : 5G WIFI 11A

Freq	Cable	Loss	Factor	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB	dB	dB
1 4831.962	7.43	34.43	54.22	54.13	41.77	74.00	-32.23	Peak	0.00	
2 6358.789	8.89	34.95	53.14	52.46	43.16	68.20	-25.04	Peak	0.00	
3 7497.646	8.41	36.10	53.15	53.36	44.72	74.00	-29.28	Peak	0.00	
4 11570.000	11.48	37.73	53.12	51.79	47.88	74.00	-26.12	Peak	0.00	
5 15668.210	10.89	41.17	52.06	38.82	38.82	54.00	-15.18	Average	0.00	
6 15668.210	10.89	41.17	52.06	51.10	51.10	74.00	-22.90	Peak	0.00	
7 q17793.090	11.38	43.89	52.50	38.99	41.76	54.00	-12.24	Average	0.00	
8 p17793.090	11.38	43.89	52.50	48.46	51.23	74.00	-22.77	Peak	0.00	

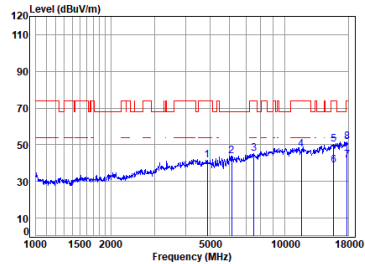
11a_TX_CH_H_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5825 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4959.307	7.53	34.56	54.20	53.57	41.46	74.00	-32.54	Peak	0.00
2 6177.627	8.91	34.79	53.12	53.84	44.42	68.20	-23.78	Peak	0.00
3 7432.914	8.43	35.93	53.16	53.78	44.98	74.00	-29.02	Peak	0.00
4 11650.000	11.50	37.80	53.13	51.61	47.78	74.00	-26.22	Peak	0.00
5 15668.210	10.89	41.17	52.06	39.25	39.25	54.00	-14.75	Average	0.00
6 15668.210	10.89	41.17	52.06	49.90	49.90	74.00	-24.10	Peak	0.00
7 q17793.090	11.38	43.89	52.50	38.47	41.24	54.00	-12.76	Average	0.00
8 p17793.090	11.38	43.89	52.50	48.85	51.62	74.00	-22.38	Peak	0.00

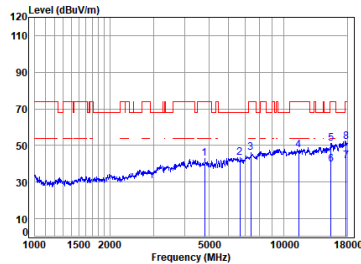
11a_TX_CH_H_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5825 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4880.151	7.40	34.65	54.21	53.49	41.41	74.00	-32.59	Peak	0.00
2 6124.292	8.92	35.00	53.11	53.21	44.02	68.20	-24.18	Peak	0.00
3 7519.349	8.44	36.10	53.15	53.73	45.12	74.00	-28.88	Peak	0.00
4 11650.000	11.50	37.80	53.13	51.24	47.41	74.00	-26.59	Peak	0.00
5 15759.050	10.89	41.26	51.99	50.25	50.41	74.00	-23.59	Peak	0.00
6 15759.050	10.89	41.26	51.99	38.43	38.59	54.00	-15.41	Average	0.00
7 q17793.090	11.38	43.89	52.50	38.68	41.45	54.00	-12.55	Average	0.00
8 p17793.090	11.38	43.89	52.50	48.71	51.48	74.00	-22.52	Peak	0.00

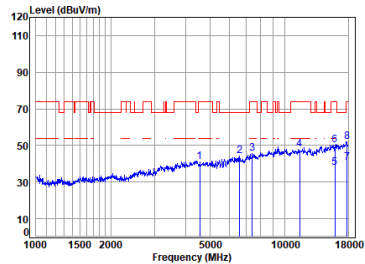
11ax_TX_CH_L_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5745 TX RSE
Note : 5G WIFI 11AX20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4818.016	7.42	34.37	54.22	55.25	42.82	74.00	-31.18	Peak	0.00
2 6679.040	8.76	35.20	53.17	52.52	43.31	68.20	-24.89	Peak	0.00
3 7390.070	8.44	35.78	53.16	54.82	45.88	74.00	-28.12	Peak	0.00
4 11490.000	11.44	37.79	53.10	51.18	47.31	74.00	-26.69	Peak	0.00
5 15480.110	10.87	41.09	52.20	51.33	51.89	74.00	-22.91	Peak	0.00
6 15480.110	10.87	41.09	52.20	39.83	39.59	54.00	-14.41	Average	0.00
7 q17844.590	11.41	43.90	52.48	38.56	41.39	54.00	-12.61	Average	0.00
8 p17844.590	11.41	43.90	52.48	49.02	51.85	74.00	-22.15	Peak	0.00

11ax_TX_CH_L_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5745 TX RSE
Note : 5G WIFI 11AX20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4560.559	7.22	33.30	54.24	54.58	40.86	74.00	-33.14	Peak	0.00
2 6602.265	8.81	35.30	53.16	53.22	44.17	68.20	-24.03	Peak	0.00
3 7411.461	8.44	35.85	53.16	54.36	45.49	74.00	-28.51	Peak	0.00
4 11490.000	11.44	37.79	53.10	51.87	48.00	74.00	-26.00	Peak	0.00
5 15942.300	10.90	41.48	51.84	37.52	38.06	54.00	-15.94	Average	0.00
6 15942.300	10.90	41.48	51.84	49.80	50.34	74.00	-23.66	Peak	0.00
7 q17793.090	11.38	43.89	52.50	37.95	40.72	54.00	-13.28	Average	0.00
8 p17793.090	11.38	43.89	52.50	49.46	52.23	74.00	-21.77	Peak	0.00



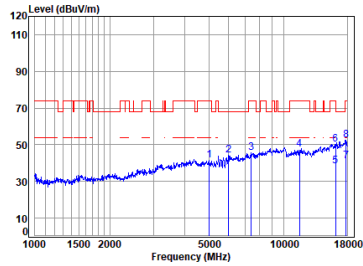
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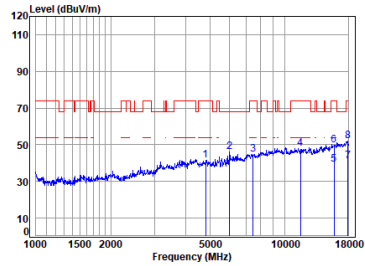
11ax_TX_CH_M_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5785 TX RSE
Note : 5G WIFI 11AX20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 5916.977	7.58	34.30	54.18	53.97	41.67	74.00	-32.33	Peak	0.00
2 6001.626	8.93	34.90	53.10	53.55	44.28	68.20	-23.92	Peak	0.00
3 7411.461	8.44	35.85	53.16	54.59	45.72	74.00	-28.28	Peak	0.00
4 11570.000	11.48	37.73	53.12	51.49	47.58	74.00	-26.42	Peak	0.00
5 16174.370	10.93	41.77	52.00	37.76	38.46	54.00	-15.54	Average	0.00
6 16174.370	10.93	41.77	52.00	49.57	50.27	74.00	-23.73	Peak	0.00
7 q17844.590	11.41	43.90	52.48	38.15	40.98	54.00	-13.02	Average	0.00
8 p17844.590	11.41	43.90	52.48	49.48	52.31	74.00	-21.69	Peak	0.00

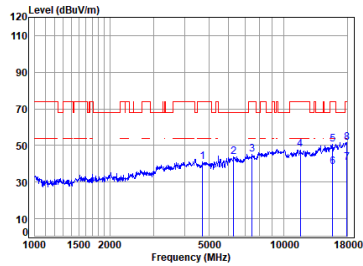
11ax_TX_CH_M_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5785 TX RSE
Note : 5G WIFI 11AX20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4884.110	7.41	34.32	54.22	54.00	41.51	74.00	-32.49	Peak	0.00
2 6001.626	8.93	34.90	53.10	55.21	45.94	68.20	-22.26	Peak	0.00
3 7454.429	8.42	36.01	53.15	53.45	44.73	74.00	-29.27	Peak	0.00
4 11570.000	11.48	37.73	53.12	51.59	47.68	74.00	-26.32	Peak	0.00
5 15804.660	10.89	41.30	51.95	39.14	39.38	54.00	-14.62	Average	0.00
6 15804.660	10.89	41.30	51.95	49.37	49.61	74.00	-24.39	Peak	0.00
7 q17948.050	11.47	44.09	52.43	37.99	41.12	54.00	-12.88	Average	0.00
8 p17948.050	11.47	44.09	52.43	48.73	51.86	74.00	-22.14	Peak	0.00

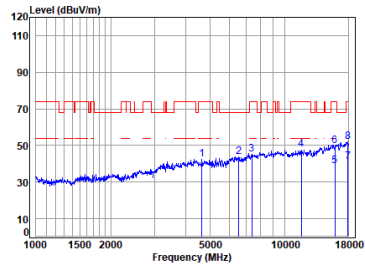
11ax_TX_CH_H_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5825 TX RSE
Note : 5G WIFI 11AX20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4721.515	7.35	33.79	54.23	54.24	41.15	74.00	-32.85	Peak	0.00
2 6285.695	8.90	34.97	53.13	53.26	44.00	68.20	-24.20	Peak	0.00
3 7454.429	8.42	36.01	53.15	53.82	45.10	74.00	-28.90	Peak	0.00
4 11650.000	11.50	37.80	53.13	51.79	47.96	74.00	-26.04	Peak	0.00
5 15759.050	10.89	41.26	51.99	58.29	50.45	74.00	-23.55	Peak	0.00
6 15759.050	10.89	41.26	51.99	38.17	38.17	54.00	-15.83	Average	0.00
7 q17948.050	11.47	44.09	52.43	37.48	40.61	54.00	-13.39	Average	0.00
8 p17948.050	11.47	44.09	52.43	48.55	51.68	74.00	-22.32	Peak	0.00

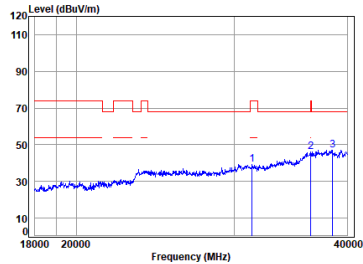
11ax_TX_CH_H_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5825 TX RSE
Note : 5G WIFI 11AX20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4653.771	7.29	33.42	54.23	55.75	42.23	74.00	-31.77	Peak	0.00
2 6545.263	8.85	35.51	53.16	52.63	43.83	68.20	-24.37	Peak	0.00
3 7368.741	8.45	35.74	53.16	53.95	44.98	74.00	-29.02	Peak	0.00
4 11650.000	11.50	37.80	53.13	51.54	47.71	74.00	-26.29	Peak	0.00
5 15896.290	10.90	41.40	51.88	38.53	38.95	54.00	-15.05	Average	0.00
6 15896.290	10.90	41.40	51.88	49.21	49.63	74.00	-24.37	Peak	0.00
7 q17948.050	11.47	44.09	52.43	37.98	41.11	54.00	-12.89	Average	0.00
8 p17948.050	11.47	44.09	52.43	48.73	51.86	74.00	-22.14	Peak	0.00

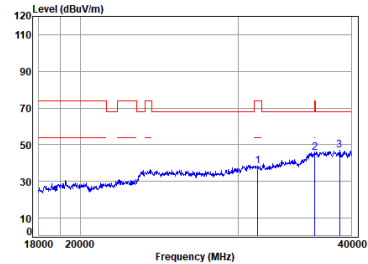
5G WIFI_TX_CH_M_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5700 TX RSE
5G WIFI 11A

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	Loss	Factor	Factor	Level	dBuV/m	Line	Limit	Factor
	dB	dB/m	dB	dBuV	dBuV/m	dB	dB	dB
1 31353.770	7.70	40.56	51.83	52.48	39.37	74.00	-34.63 Peak	-9.54
2 36432.240	7.97	42.25	49.55	54.84	45.97	74.00	-28.03 Peak	-9.54
3 p38526.630	7.53	42.24	50.61	57.59	47.21	68.20	-20.99 Peak	-9.54

5G WIFI_TX_CH_M_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5700 TX RSE
5G WIFI 11A

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	Loss	Factor	Factor	Level	dBuV/m	Line	Limit	Factor
	dB	dB/m	dB	dBuV	dBuV/m	dB	dB	dB
1 31584.350	7.76	40.50	51.79	51.58	38.51	74.00	-35.49 Peak	-9.54
2 36461.340	7.94	42.27	49.57	54.54	45.64	74.00	-28.36 Peak	-9.54
3 p38835.500	7.33	42.70	51.84	58.44	47.09	68.20	-21.11 Peak	-9.54



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SZEMC-TRF-01 Rev. A/2

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7.5 Channel Move Time

Test Requirement KDB 905462 D02 Section 5.1
 Test Method: KDB 905462 D02 Section 7.8.3
 Test Engineer: Joke Huang
 Limit:

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

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

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

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

7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 24.1 °C Humidity: 40.8 % RH Atmospheric Pressure: 1015 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	33	On mode, keep EUT working normally.

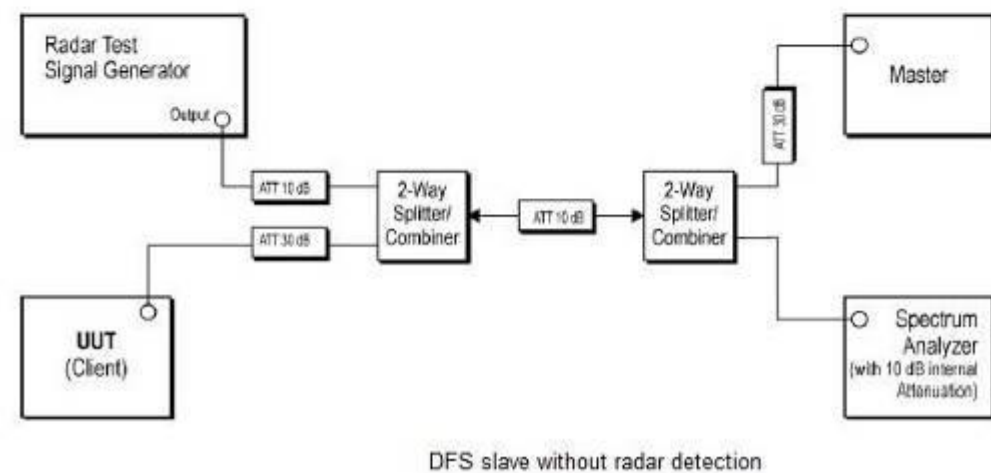
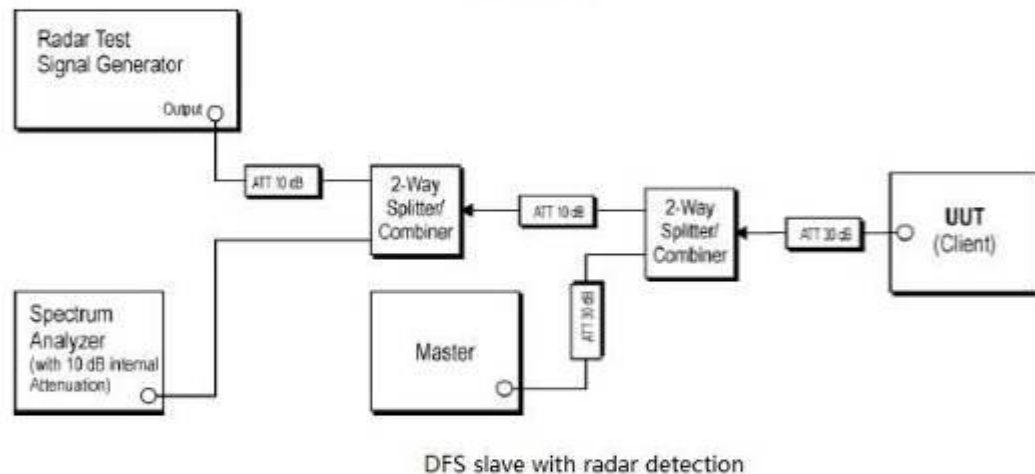
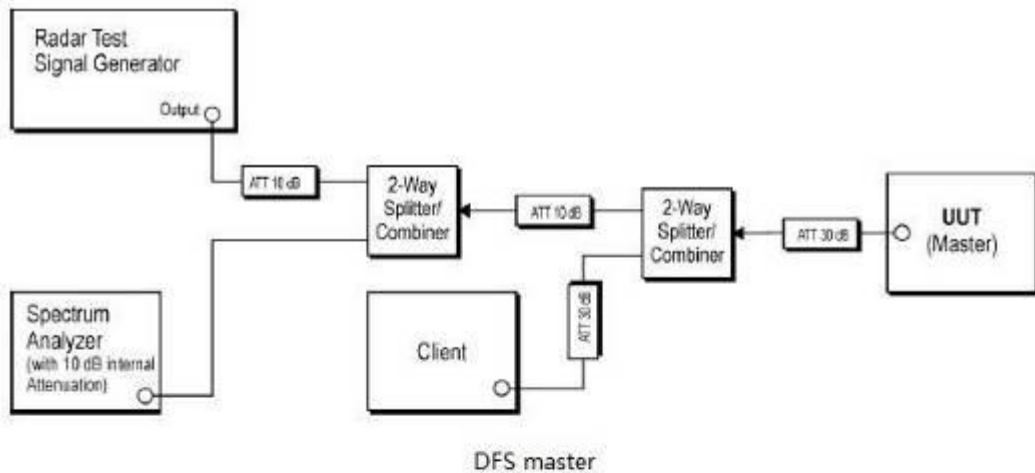


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7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

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

Please Refer to Appendix for Details



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7.6 Channel Closing Transmission Time

Test Requirement KDB 905462 D02 Section 5.1
 Test Method: KDB 905462 D02 Section 7.8.3
 Test Engineer: Joke Huang
 Limit:

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

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

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

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

7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 24.1 °C Humidity: 40.8 % RH Atmospheric Pressure: 1015 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	33	On mode, keep EUT working normally.

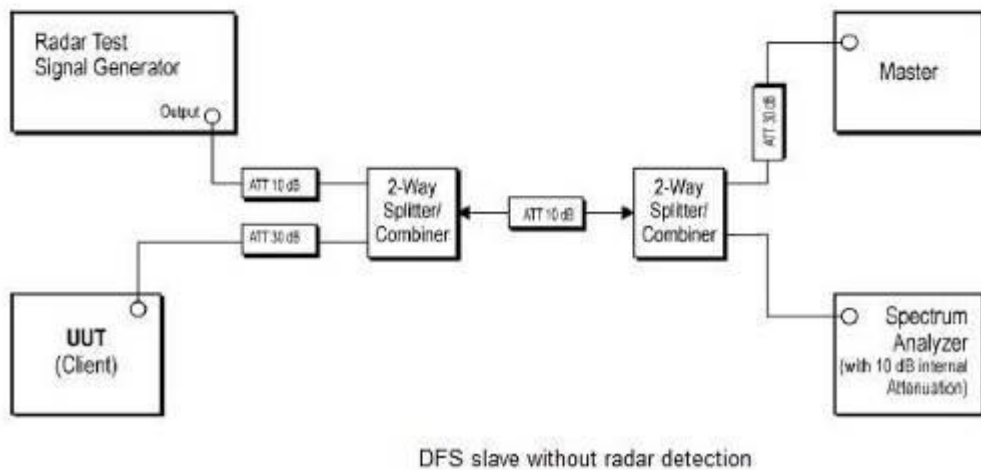
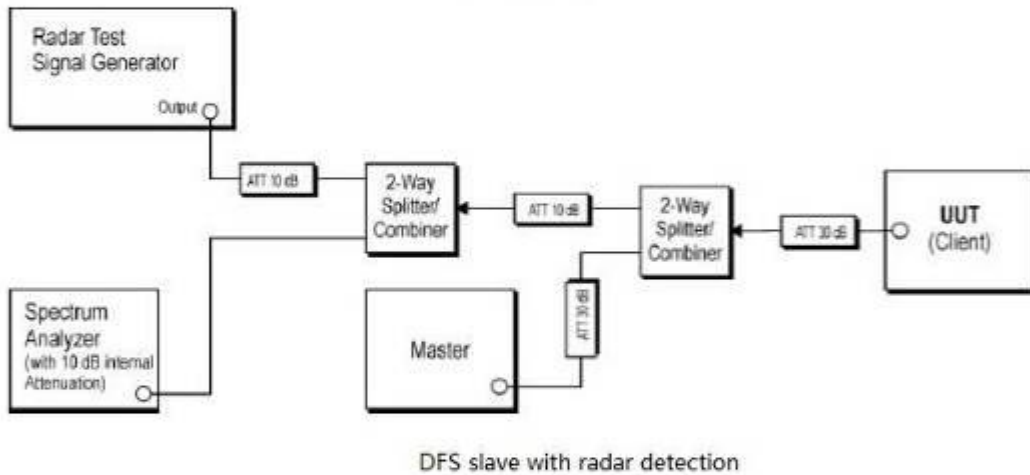
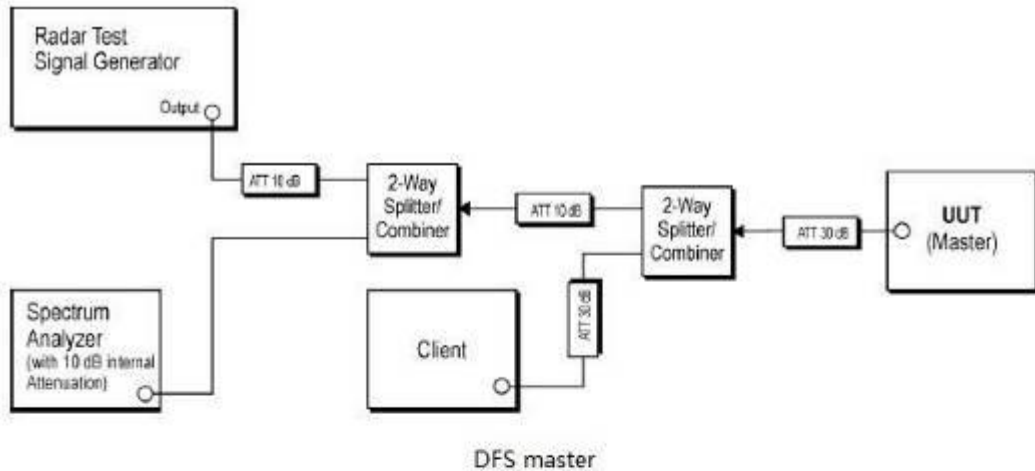


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7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

- 1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
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- 4) EUT will associate with the master at channel. The file "iperf.exe" specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.
- 5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.
- 6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
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- 8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

Please Refer to Appendix for Details



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8 Test Setup Photo

Refer to Appendix – Test Setup Photos for SZCR2603001022AT

9 EUT Constructional Details (EUT Photos)

Refer to Appendix - External and Internal photos for SZCR2603001022AT



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10 Appendix

1.DFS

(DFS: Non-occupancy period; Channel Move Time; Channel Closing Transmission Time)

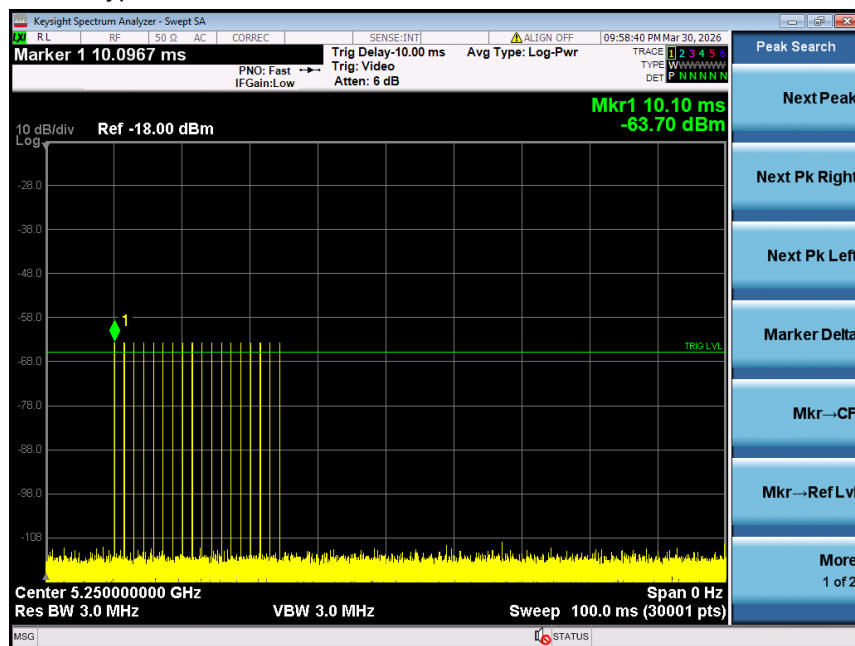
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Only record the worst test result.

Test plots as follows:

Radar Waveform Calibration Result

Radar Type 0



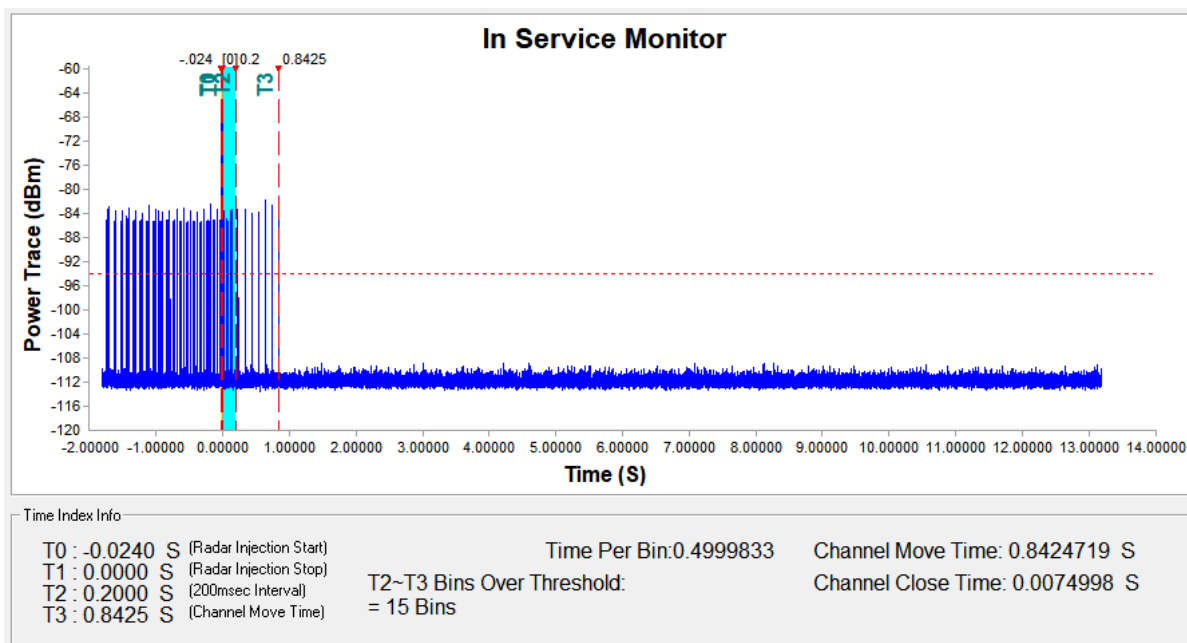
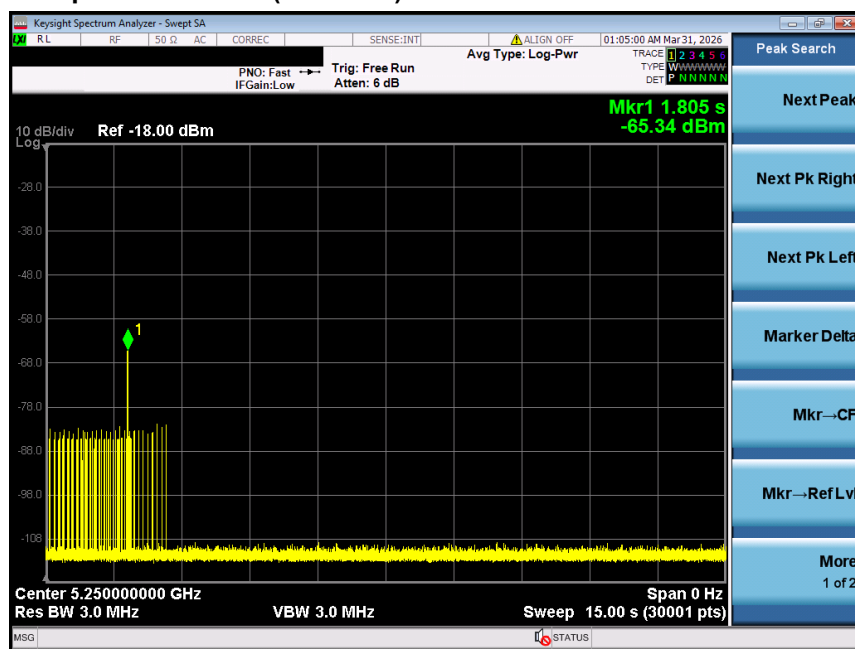
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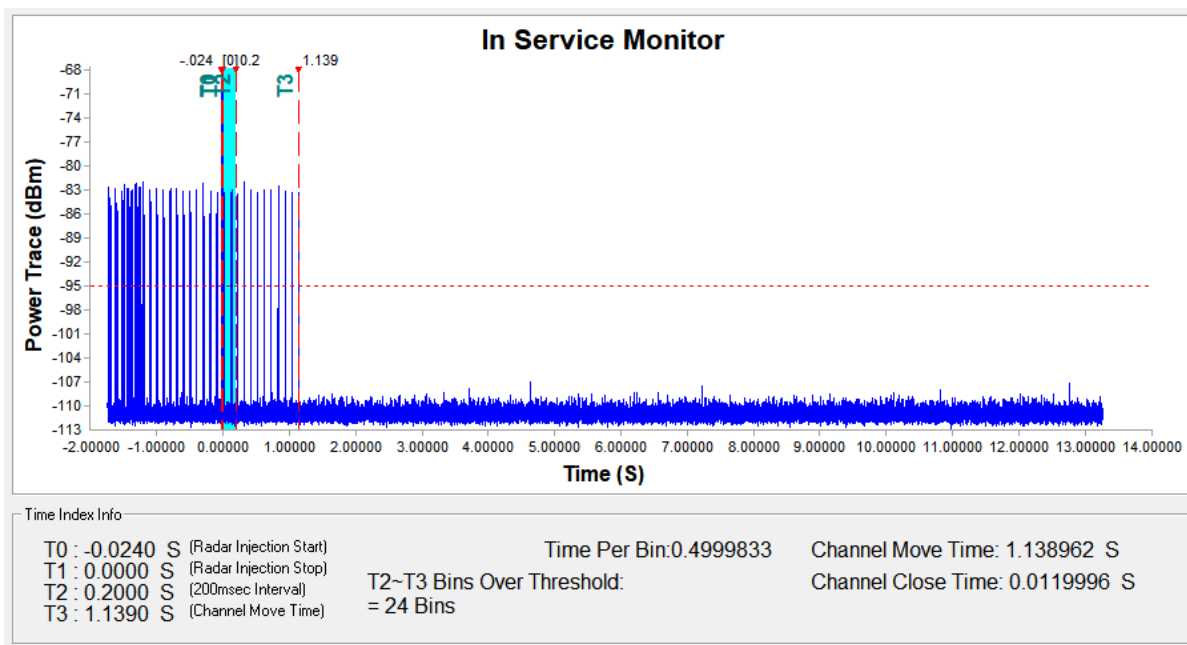
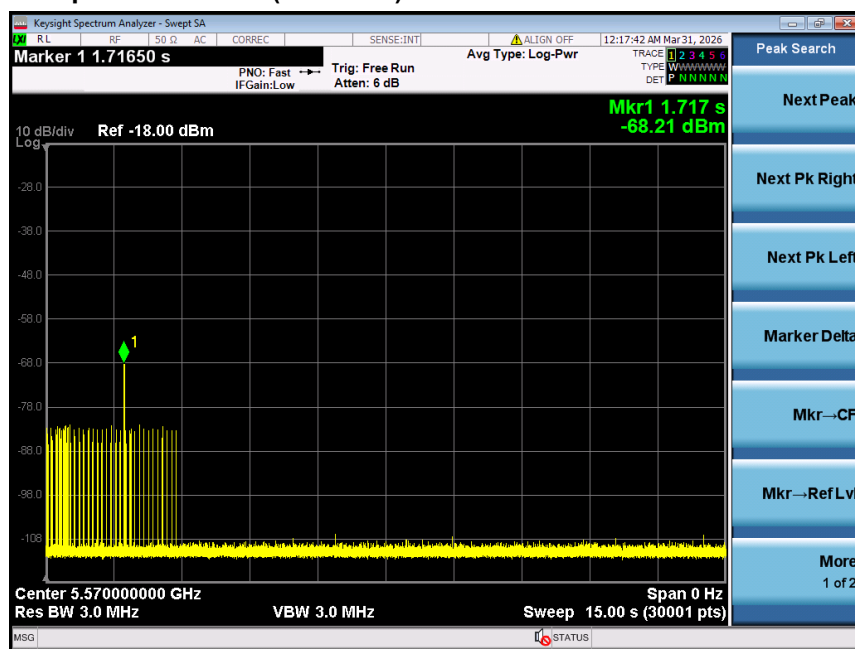
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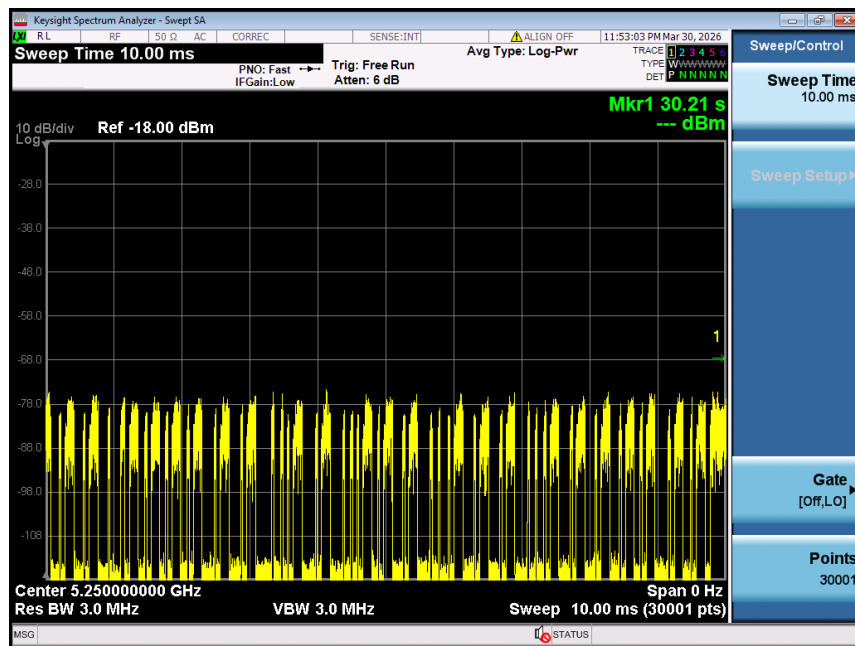
Test plots as follows(5250MHz):



Test plots as follows(5700MHz):



Duty Cycle(≈42.89%):



- End of the Report -



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