

TEST REPORT

Application No.: SZCR2601000370AT
Applicant: Stripe, Inc.
Address of Applicant: 354 Oyster Point Blvd South San Francisco California 94080 United States
Manufacturer: Stripe, Inc.
Address of Manufacturer: 354 Oyster Point Blvd South San Francisco California 94080 United States
Equipment Under Test (EUT):
EUT Name: T600
Model No.: T600
Trade Mark: Stripe
FCC ID: 2A2ES-STT60
Standard(s) : 47 CFR Part 15, Subpart E 15.407
Date of Receipt: 2026-01-26
Date of Test: 2026-01-30 to 2026-03-30
Date of Issue: 2026-04-01

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.

Keny Xu

Keny Xu
EMC Laboratory Manager



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch (EMC Laboratory)

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Report No.: SZCR260100037006

Page: 2 of 242

Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2026-04-01		Original

Authorized for issue by:				
		Byron Liang		
		Byron Liang/Project Engineer		
		Eric Fu		
		Eric Fu/Reviewer		



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2 Test Summary

Radio Spectrum Technical Requirement				
Item	Standard	Method	Requirement	Result
Antenna Requirement	47 CFR Part 15, 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 (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
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
Duty Cycle		ANSI C63.10 (2020) Section 12.2	ANSI C63.10 (2020) Section 12.2	Pass
99% Bandwidth		ANSI C63.10 (2020) Section 12.5.3	ANSI C63.10 (2020) Section 12.5.3	Pass
26dB Emission Bandwidth		ANSI C63.10 (2020) Section 12.5.2	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Minimum 6 dB Bandwidth (5.725-5.85 GHz band)		ANSI C63.10 (2020) Section 12.5.1	47 CFR Part 15, Subpart E 15.407 (e)	Pass
Maximum Conducted Output Power		ANSI C63.10 (2020) Section 12.4	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Power Spectral Density		ANSI C63.10 (2020) Section 12.6	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Frequency Stability		ANSI C63.10 (2020) Section 6.8	47 CFR Part 15, Subpart E 15.407 (g)	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
Non-Occupancy Period		KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass



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3 Contents

	Page
1 Cover Page	1
2 Test Summary	3
3 Contents	4
4 General Information	7
4.1 Details of E.U.T.	7
4.2 Description of Support Units	8
4.3 Measurement Uncertainty	8
4.4 Test Location	9
4.5 Test Facility	9
4.6 Deviation from Standards	9
4.7 Abnormalities from Standard Conditions	9
5 Equipment List	10
6 Radio Spectrum Technical Requirement	13
6.1 Antenna Requirement	13
6.1.1 Test Requirement:	13
6.1.2 Conclusion	13
6.2 Transmission in the Absence of Data	14
6.2.1 Test Requirement:	14
6.2.2 Conclusion	14
7 Radio Spectrum Matter Test Results	15
7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)	15
7.1.1 E.U.T. Operation	15
7.1.2 Test Mode Description	15
7.1.3 Test Setup Diagram	16
7.1.4 Measurement Procedure and Data	16
7.2 Radiated Emissions (Below 1GHz)	19
7.2.1 E.U.T. Operation	19
7.2.2 Test Mode Description	19
7.2.3 Test Setup Diagram	21
7.2.4 Measurement Procedure and Data	21
7.3 Radiated Emissions (Above 1GHz)	28
7.3.1 E.U.T. Operation	29
7.3.2 Test Mode Description	29
7.3.3 Test Setup Diagram	30
7.3.4 Measurement Procedure and Data	31
7.4 Radiated Emissions which fall in the restricted bands	45
7.4.1 E.U.T. Operation	45
7.4.2 Test Mode Description	46
7.4.3 Test Setup Diagram	47



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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260100037006

Page: 5 of 242

7.4.4	Measurement Procedure and Data.....	48
7.5	Duty Cycle.....	67
7.5.1	E.U.T. Operation.....	67
7.5.2	Test Mode Description.....	67
7.5.3	Test Setup Diagram.....	68
7.5.4	Measurement Procedure and Data.....	68
7.6	99% Bandwidth.....	69
7.6.1	E.U.T. Operation.....	69
7.6.2	Test Mode Description.....	69
7.6.3	Test Setup Diagram.....	70
7.6.4	Measurement Procedure and Data.....	70
7.7	26dB Emission Bandwidth.....	71
7.7.1	E.U.T. Operation.....	71
7.7.2	Test Mode Description.....	71
7.7.3	Test Setup Diagram.....	72
7.7.4	Measurement Procedure and Data.....	72
7.8	Minimum 6 dB Bandwidth (5.725-5.85 GHz band).....	73
7.8.1	E.U.T. Operation.....	73
7.8.2	Test Mode Description.....	73
7.8.3	Test Setup Diagram.....	74
7.8.4	Measurement Procedure and Data.....	74
7.9	Maximum Conducted Output Power.....	75
7.9.1	E.U.T. Operation.....	75
7.9.2	Test Mode Description.....	75
7.9.3	Test Setup Diagram.....	76
7.9.4	Measurement Procedure and Data.....	76
7.10	Power Spectral Density.....	77
7.10.1	E.U.T. Operation.....	77
7.10.2	Test Mode Description.....	77
7.10.3	Test Setup Diagram.....	79
7.10.4	Measurement Procedure and Data.....	79
7.11	Frequency Stability.....	80
7.11.1	E.U.T. Operation.....	80
7.11.2	Test Mode Description.....	80
7.11.3	Test Setup Diagram.....	81
7.11.4	Measurement Procedure and Data.....	81
7.12	Channel Move Time.....	82
7.12.1	E.U.T. Operation.....	82
7.12.2	Test Mode Description.....	83
7.12.3	Test Setup Diagram.....	83
7.12.4	Measurement Procedure and Data.....	84
7.13	Channel Closing Transmission Time.....	85
7.13.1	E.U.T. Operation.....	85
7.13.2	Test Mode Description.....	86
7.13.3	Test Setup Diagram.....	86
7.13.4	Measurement Procedure and Data.....	87
7.14	Transmitter Power Control.....	88
7.14.1	E.U.T. Operation.....	88
7.14.2	Test Mode Description.....	88
7.14.3	Test Setup Diagram.....	89



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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260100037006

Page: 6 of 242

7.14.4	Measurement Procedure and Data	89
8	Test Setup Photo	90
9	EUT Constructional Details (EUT Photos)	90
10	Appendix.....	91



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4 General Information

4.1 Details of E.U.T.

Power Supply:	DC 9V 2A 18W
Operation Frequency/Number of channels(20MHz):	U-NII-1: 5180-5240MHz (4 Channels); U-NII-2A: 5260-5320MHz (4 Channels); U-NII-2C: 5500-5700MHz (11 Channels); U-NII-3: 5745-5825MHz (5 Channels)
Operation Frequency/Number of channels(40MHz):	U-NII-1: 5190-5230MHz (2 Channels); U-NII-2A: 5270-5310MHz (2 Channels); U-NII-2C: 5510-5670MHz (5 Channels); U-NII-3: 5755-5795MHz (2 Channels)
Operation Frequency/Number of channels(80MHz):	U-NII-1: 5210MHz (1 Channel); U-NII-2A: 5290MHz (1 Channels); U-NII-2C: 5530-5610MHz (2 Channels); U-NII-3: 5775MHz (1 Channel)
Modulation Type:	802.11a: OFDM (BPSK, QPSK, 16QAM, 64QAM); 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM); 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)
Channel Spacing:	802.11a/n/ac 20: 20MHz; 802.11n/ac 40: 40MHz; 802.11ac 80: 80MHz
DFS Function:	Slave without Radar detection
TPC Function:	Support TPC function
Antenna Type:	FPC Antenna
Antenna Gain:	4.92dBi
Cable Loss (for RF conducted test):	1.5dB

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)	$\pm 3.2\text{dB}$
Radiated Emissions (Below 1GHz)	$\pm 6.0\text{dB}$ for 3m; $\pm 5.0\text{dB}$ for 10m
Radiated Emissions (Above 1GHz)	$\pm 4.6\text{dB}$ (1-18GHz); $\pm 4.8\text{dB}$ (18-40GHz)
Radiated Emissions which fall in the restricted bands	$\pm 6.0\text{dB}$ (below 1GHz); $\pm 4.6\text{dB}$ (above 1GHz);
Duty Cycle	$\pm 0.3\%$
99% Bandwidth	$\pm 0.3\%$
26dB Emission Bandwidth	$\pm 0.3\%$
Minimum 6 dB Bandwidth (5.725-5.85 GHz band)	$\pm 0.3\%$
Maximum Conducted Output Power	$\pm 0.8\text{dB}$
Power Spectral Density	$\pm 0.4\text{dB}$
Frequency Stability	$\pm 5.4 \times 10^{-8}$
Transmitter Power Control	$\pm 0.8\text{dB}$
Remark: The U_{lab} (lab Uncertainty) is less than $U_{\text{CISPR/ETSI}}$ (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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Report No.: SZCR260100037006

Page: 9 of 242

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
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	2025-02-25	2026-02-24
				2026-02-24	2027-02-23

Radiated Spurious 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	2025-02-03	2026-02-02
				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

Radiated Emissions (Above 1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Signal & Spectrum Analyzer	Rohde & Schwarz	FSV	SZ-WRG-M-048	2025-12-16	2026-12-15
Low Noise Amplifier 1G-18GHz	Tonscend	TAP01018050	SZ-WRG-M-051	2025-12-16	2026-12-15
Low Noise Amplifier 18G-40GHz	Tonscend	TAP18040048	SZ-WRG-M-052	2025-12-16	2026-12-15
Double Ridge Horn Antenna 1GHz-18GHz	SCHWARZBECK	BBHA 9120 D	SZ-WRG-M-055	2025-12-13	2026-12-12
SHF-EHF Horn 15GHz-40GHz	SCHWARZBECK	BBHA 9170	SZ-WRG-M-056	2025-12-13	2026-12-12
RSE Test Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Chamber	CRTSGSSAC966	N/A	SZ-WRG-C-	2025-01-06	2028-01-05



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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260100037006

Page: 11 of 242

			063		
Humidity and Temperature Indicator	deli	8838	SEM002-46	2025-07-23	2026-07-22

Radiated Emissions which fall in the restricted bands

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Signal & Spectrum Analyzer	Rohde & Schwarz	FSV	SZ-WRG-M-048	2025-12-16	2026-12-15
Low Noise Amplifier 30M-8GHz	Tonscend	TAP30M8G30	SZ-WRG-M-050	2025-12-16	2026-12-15
Double Ridge Horn Antenna 1GHz-18GHz	SCHWARZBECK	BBHA 9120 D	SZ-WRG-M-055	2025-12-13	2026-12-12
SHF-EHF Horn 15GHz-40GHz	SCHWARZBECK	BBHA 9170	SZ-WRG-M-056	2025-12-13	2026-12-12
RSE Test Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Chamber	CRTSGSSAC966	N/A	SZ-WRG-C-063	2025-01-06	2028-01-05
Humidity and Temperature Indicator	deli	8838	SEM002-46	2025-07-23	2026-07-22

RF Conducted Test

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2025-07-24	2026-07-23
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2025-03-04	2026-03-03
				2026-02-03	2027-02-02
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2025-09-10	2026-09-09
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2025-07-05	2026-07-04
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2025-02-03	2026-02-02
				2026-02-02	2027-02-01
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2025-02-03	2026-02-02
				2026-02-02	2027-02-01
Power Sensor	TST PASS	TSPS2023R	SEM009-26	2025-02-05	2026-02-04
				2026-02-04	2027-02-03
Power Sensor	KEYSIGHT	U2021XA	SEM009-16	2025-02-05	2026-02-04
				2026-02-04	2027-02-03
Manual Step Attenuator	KEYSIGHT	8494B	SEM021-05	2025-02-03	2026-02-02
				2026-02-02	2027-02-01
Manual Step Attenuator	KEYSIGHT	8496B	SEM021-06	2025-02-03	2026-02-02
				2026-02-02	2027-02-01
MXG Vector Signal Generator	Agilent	N5182A	SEM006-21	2026-02-04	2027-02-03
				2025-02-03	2026-02-02
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-22	2025-02-03	2026-02-02



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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260100037006

Page: 12 of 242

				2026-02-02	2027-02-01
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General used equipment

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	deli	8838	SEM002-32	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	2025-02-15	2026-02-14
				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 permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(b) (4) requirement:

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

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 4.92dBi

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

Standard Requirement:

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

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

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



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(dB μ V)	
	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: 42.5 % RH

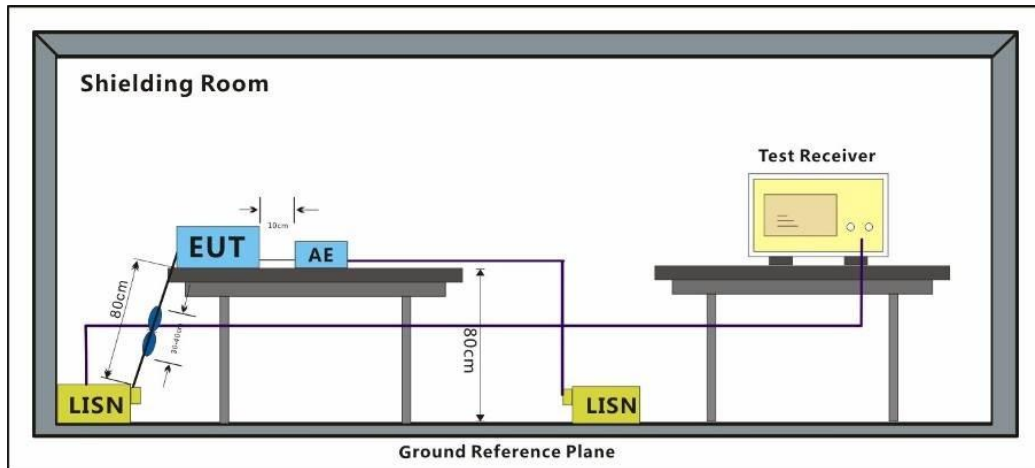
Atmospheric Pressure: 1020 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	14	Charge + TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	15	Charge + TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	16	Charge + TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	17	Charge + TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, 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.



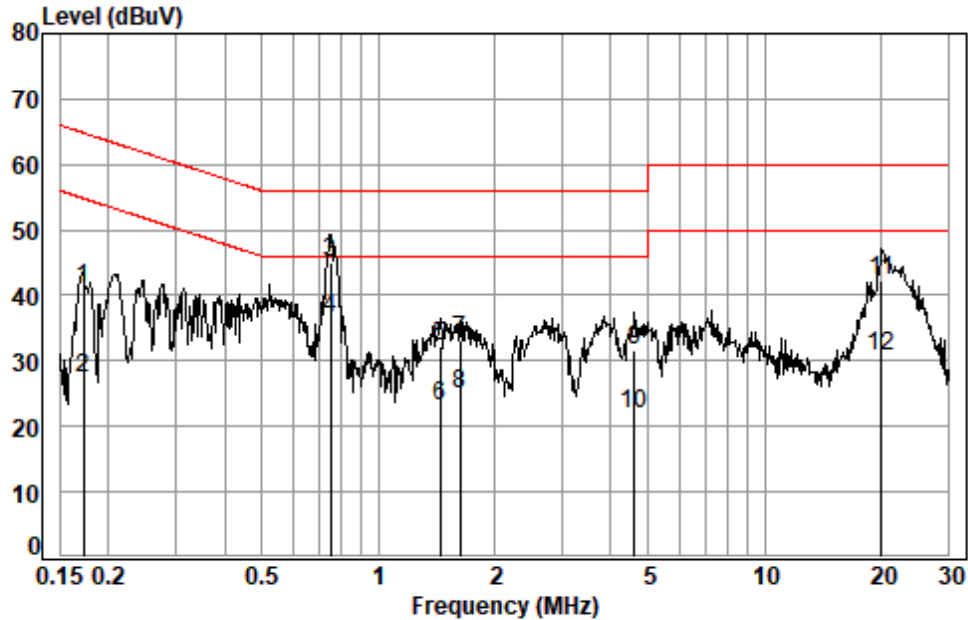
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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260100037006

Page: 17 of 242

Test Mode: 14; Line: Live line



Site : Shielding Room
Condition: Line
Job No. : 00370AT
Test mode: 14

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1722	0.06	10.16	30.90	41.12	64.86	-23.74	QP
2	0.1722	0.06	10.16	17.29	27.51	54.86	-27.35	Average
3 *	0.7549	0.09	9.64	35.26	44.99	56.00	-11.01	QP
4 *	0.7549	0.09	9.64	26.83	36.56	46.00	-9.44	Average
5	1.4485	0.10	9.58	22.47	32.15	56.00	-23.85	QP
6	1.4485	0.10	9.58	13.29	22.97	46.00	-23.03	Average
7	1.6276	0.10	9.58	23.50	33.18	56.00	-22.82	QP
8	1.6276	0.10	9.58	15.28	24.96	46.00	-21.04	Average
9	4.5979	0.12	9.66	21.98	31.76	56.00	-24.24	QP
10	4.5979	0.12	9.66	11.97	21.75	46.00	-24.25	Average
11	20.0559	0.30	10.17	31.85	42.32	60.00	-17.68	QP
12	20.0559	0.30	10.17	20.35	30.82	50.00	-19.18	Average



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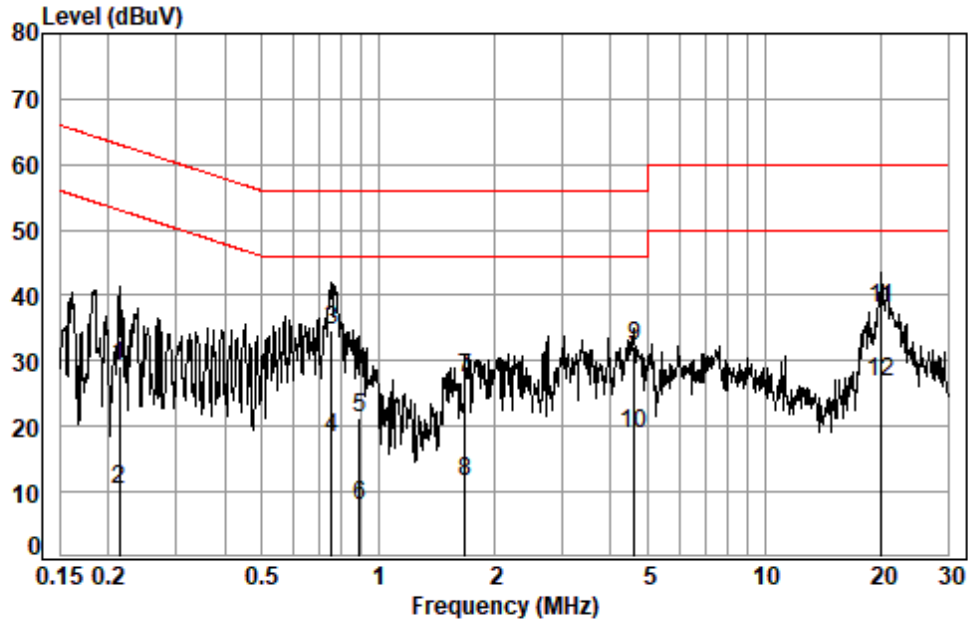
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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260100037006

Page: 18 of 242

Test Mode: 14; Line: Neutral Line



Site : Shielding Room
Condition: Neutral
Job No. : 00370AT
Test mode: 14

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.2139	0.06	10.03	19.00	29.09	63.05	-33.96	QP
2	0.2139	0.06	10.03	0.22	10.31	53.05	-42.74	Average
3 *	0.7589	0.09	9.63	24.98	34.70	56.00	-21.30	QP
4	0.7589	0.09	9.63	8.62	18.34	46.00	-27.66	Average
5	0.8944	0.09	9.57	11.49	21.15	56.00	-34.85	QP
6	0.8944	0.09	9.57	-1.84	7.82	46.00	-38.18	Average
7	1.6802	0.10	9.55	17.86	27.51	56.00	-28.49	QP
8	1.6802	0.10	9.55	1.78	11.43	46.00	-34.57	Average
9	4.5979	0.12	9.56	22.45	32.13	56.00	-23.87	QP
10	4.5979	0.12	9.56	9.31	18.99	46.00	-27.01	Average
11	20.0559	0.30	10.15	27.45	37.90	60.00	-22.10	QP
12 *	20.0559	0.30	10.15	16.31	26.76	50.00	-23.24	Average



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7.2 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: Kaito Zeng

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).

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C Humidity: 46.8 % RH Atmospheric Pressure: 1020 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	09	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.



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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260100037006

Page: 20 of 242

Pre-scan	10	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	11	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	12	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	14	Charge + TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	15	Charge + TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	16	Charge + TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	17	Charge + TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.



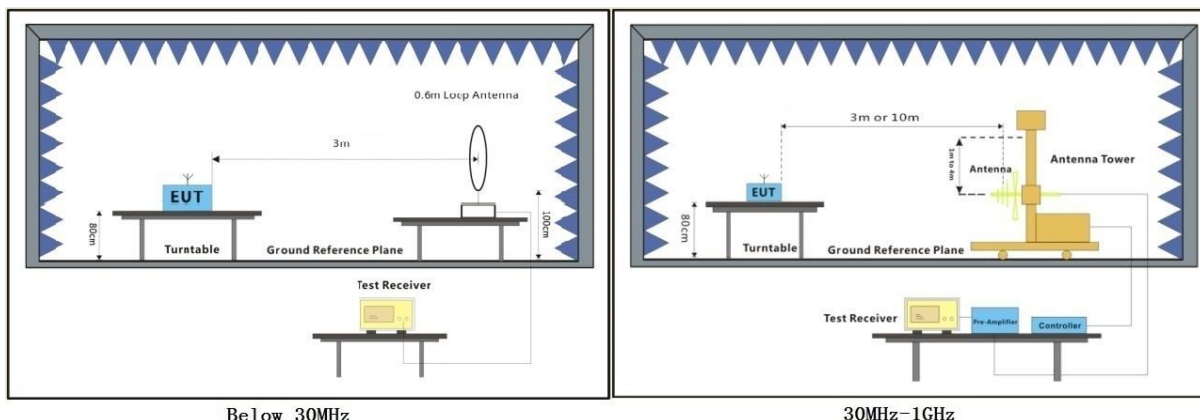
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7.2.3 Test Setup Diagram



7.2.4 Measurement Procedure and Data

- 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.
- The EUT was set 3m away from the interference-receiving antenna, which was mounted on the variable-height antenna tower.
- 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.
- 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.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 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.
- Test the EUT in the lowest channel, the middle channel, the Highest channel.
- 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.
- Repeat above procedures until all frequencies measured was complete.

Remark:

- 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.
- 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.



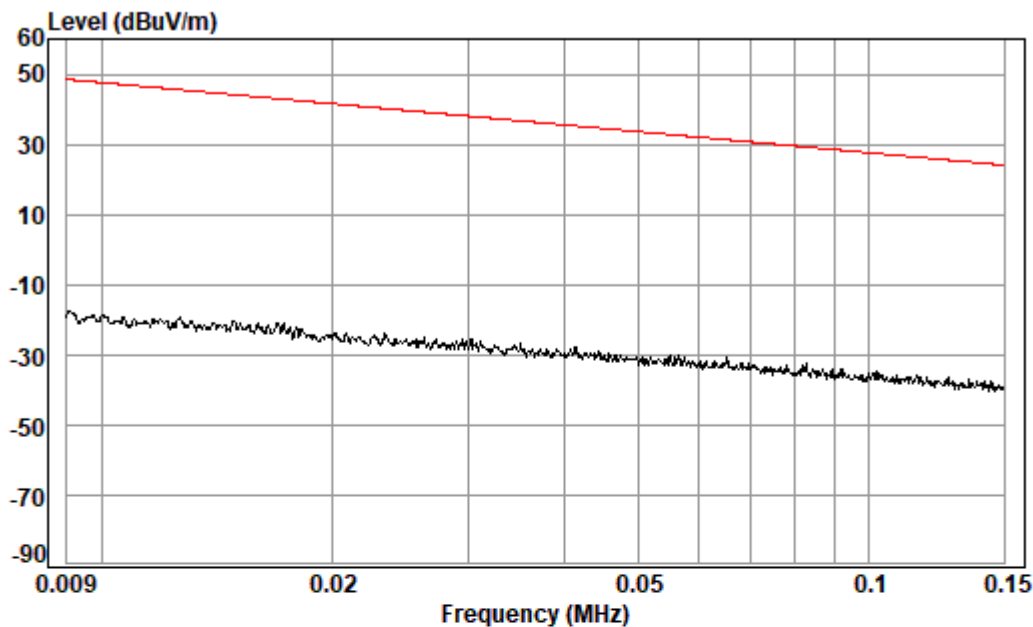
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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260100037006

Page: 22 of 242

Test Mode: 14; Polarity: Coaxial



Condition: 3m

Job No. : 00370AT

Test Mode: 14

: coaxial



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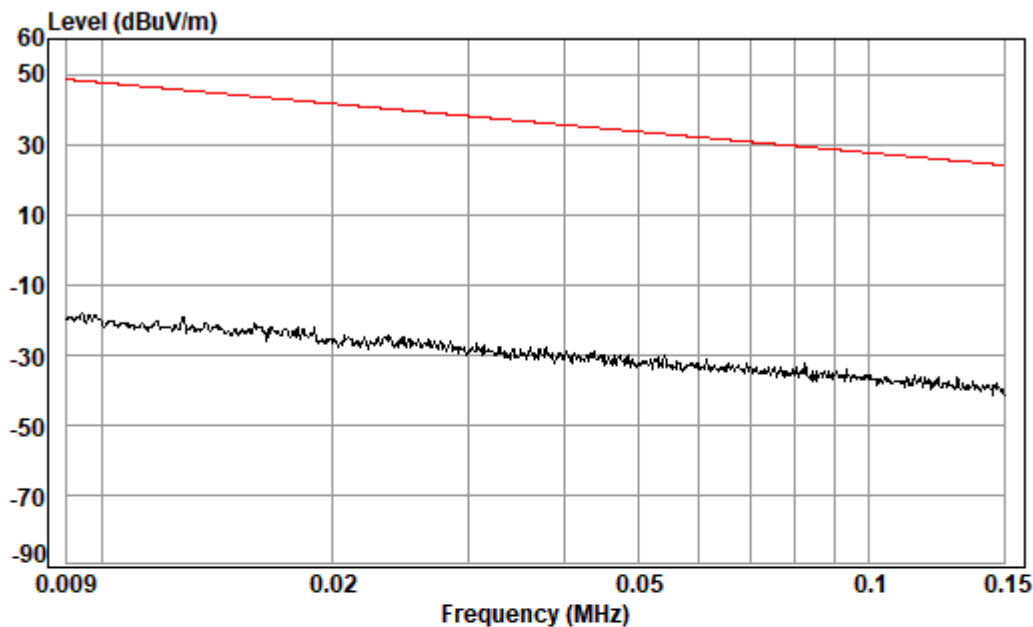
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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260100037006

Page: 23 of 242

Test Mode: 14; Polarity: Coplanar



Condition: 3m

Job No. : 00370AT

Test Mode: 14

: coplanar



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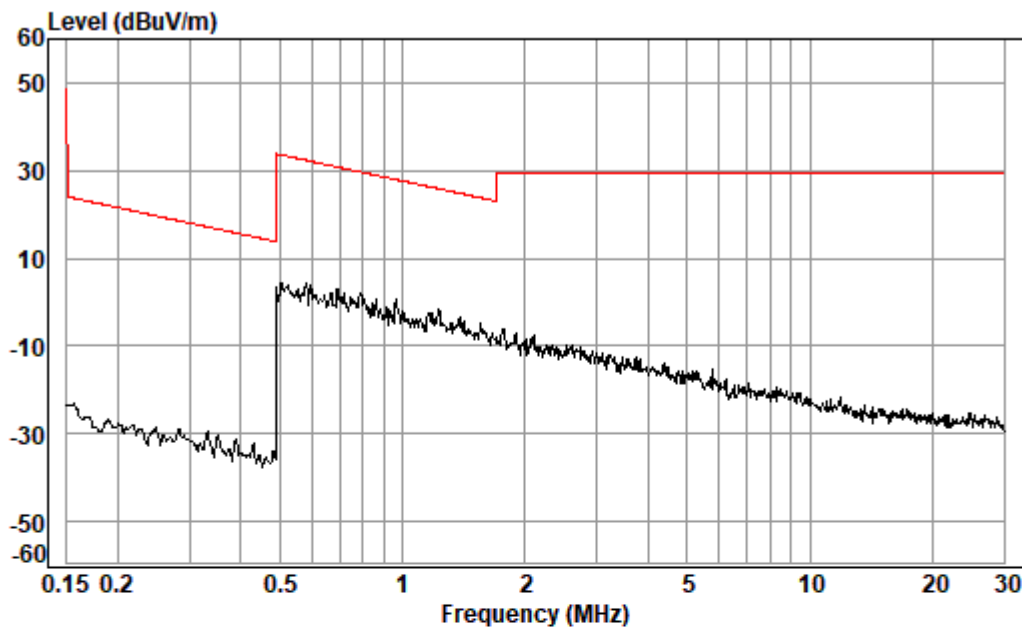
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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260100037006

Page: 24 of 242

Test Mode: 14; Polarity: Coaxial



Condition: 3m

Job No. : 00370AT

Test Mode: 14

: coaxial



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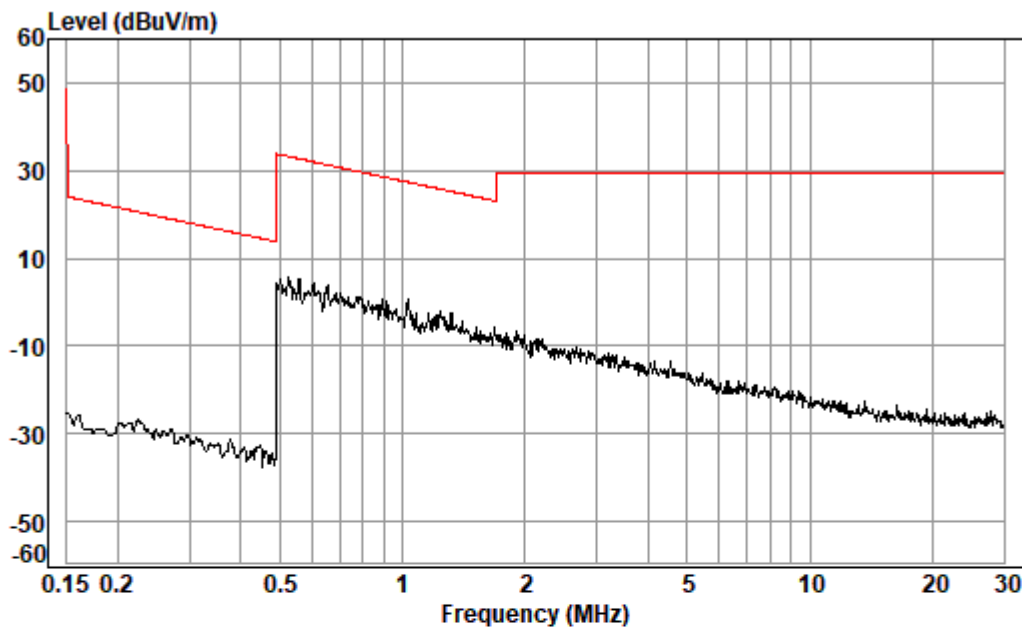
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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260100037006

Page: 25 of 242

Test Mode: 14; Polarity: Coplanar



Condition: 3m
Job No. : 00370AT
Test Mode: 14
: coplanar



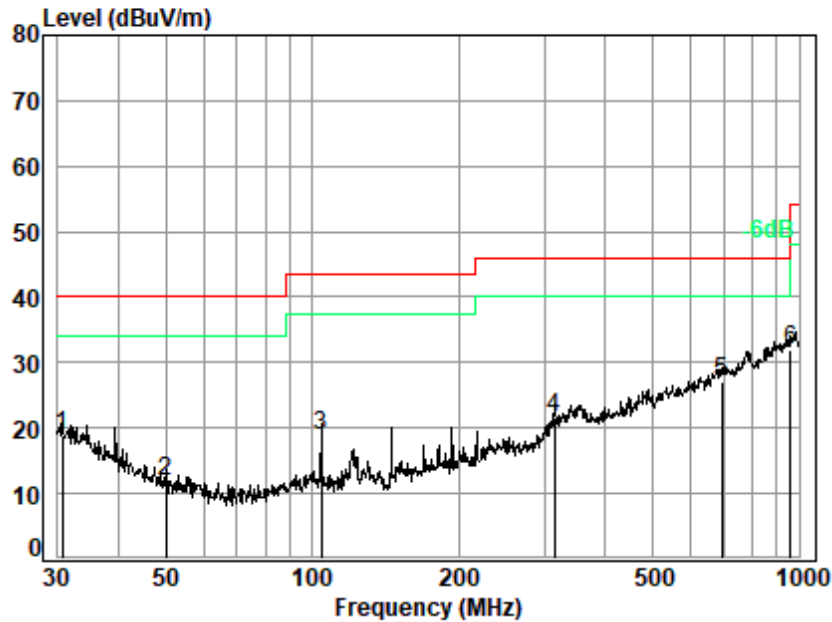
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Test Mode: 14; Polarity: Horizontal

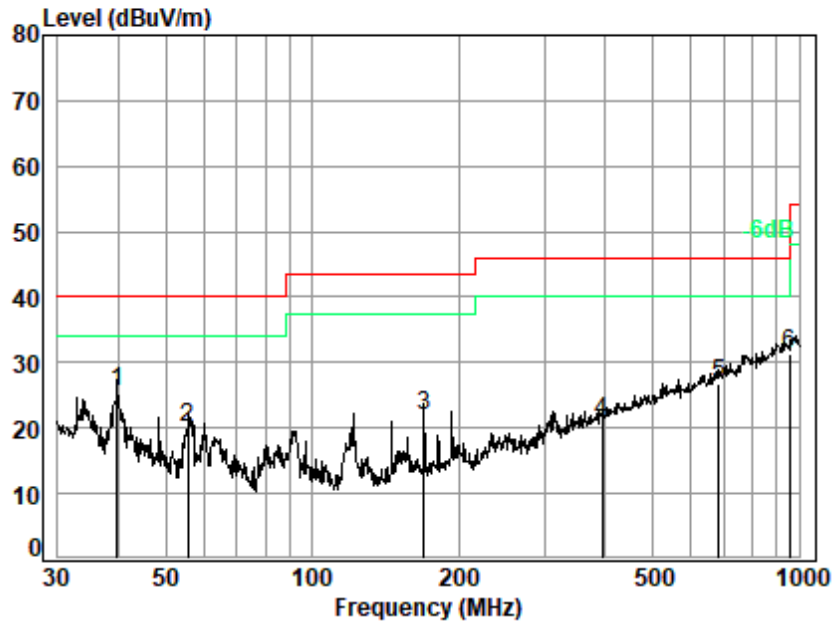


Site : chamber
Condition: 3m HORIZONTAL
Job No. : 00370AT
Test Mode: 14

	Ant	Cable	Preamp	Read		Limit	Over	
Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	30.638	21.12	0.75	27.65	24.68	18.90	40.00	-21.10 QP
2	50.057	13.03	0.90	27.63	25.50	11.80	40.00	-28.20 QP
3	104.170	12.48	1.25	27.61	32.71	18.83	43.50	-24.67 QP
4	314.377	18.41	2.17	27.54	28.63	21.67	46.00	-24.33 QP
5	694.417	25.78	3.39	27.85	25.82	27.14	46.00	-18.86 QP
6 q	958.794	29.31	4.09	26.63	25.25	32.02	46.00	-13.98 QP



Test Mode: 14; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No. : 00370AT
Test Mode: 14

		Ant	Cable	Preamp	Read		Limit	Over	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	q	39.715	16.33	0.82	27.64	35.89	25.40	40.00	-14.60 QP
2		55.609	11.97	0.91	27.63	34.83	20.08	40.00	-19.92 QP
3		169.599	14.00	1.59	27.75	34.00	21.84	43.50	-21.66 QP
4		394.855	20.43	2.47	27.74	25.75	20.91	46.00	-25.09 QP
5		684.745	25.66	3.37	27.87	25.69	26.85	46.00	-19.15 QP
6		955.438	29.27	4.09	26.65	24.49	31.20	46.00	-14.80 QP



7.3 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: Xing Guo

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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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260100037006

Page: 29 of 242

7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 24.5 °C

Humidity: 50.8 % RH

Atmospheric Pressure: 1020 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	09	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	10	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	11	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	12	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	14	Charge + TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	15	Charge + TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	16	Charge + TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	17	Charge + TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.



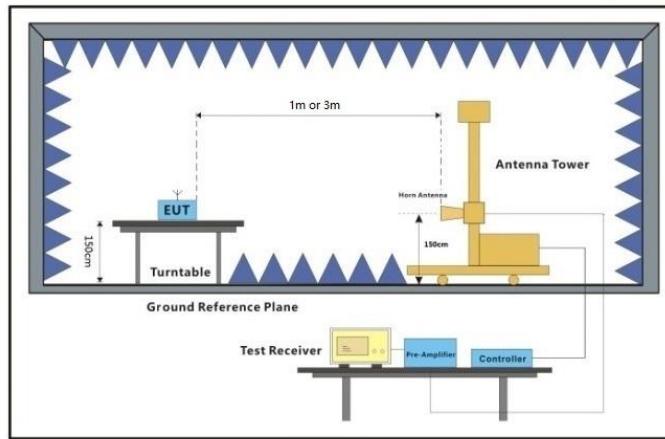
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7.3.3 Test Setup Diagram



Above 1GHz



7.3.4 Measurement Procedure and Data

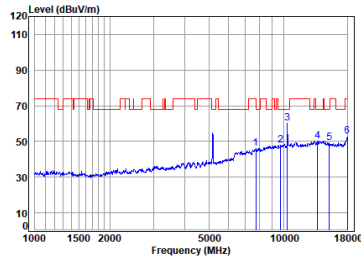
- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which 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.



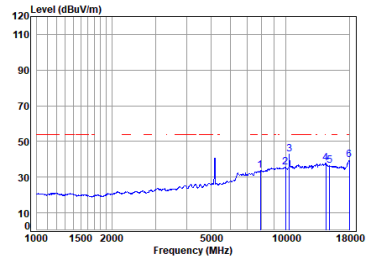
11a_TX_CH_36_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5180 TX RSE
: 5G Wi-Fi 11a

	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		dB
1	7717.518	11.43	36.94	56.06	53.93	46.24	74.00	-27.76	Peak		0.00
2	9725.221	12.08	38.45	53.89	50.64	48.00	68.20	-20.20	Peak		0.00
3	10363.710	13.61	39.20	53.56	60.91	60.16	68.20	-8.04	Peak		0.00
4	13677.970	16.27	40.32	54.01	47.76	50.34	68.20	-17.86	Peak		0.00
5	15265.880	16.85	39.23	53.99	47.33	49.42	68.20	-18.78	Peak		0.00
6	18000.000	18.35	42.60	54.30	46.50	53.15	74.00	-20.85	Peak		0.00

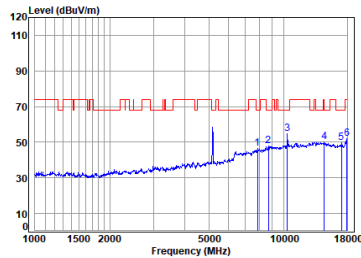
11a_TX_CH_36_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5180 TX RSE
: 5G Wi-Fi 11a

	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		dB
1	7920.911	11.54	37.30	55.94	40.75	33.65	-----	-----	Average		0.00
2	9981.525	12.97	38.83	53.62	37.42	35.60	-----	-----	Average		0.00
3	10363.710	13.61	39.20	53.56	43.83	43.08	-----	-----	Average		0.00
4	14491.960	17.07	40.22	54.10	34.72	37.91	54.00	-16.09	Average		0.00
5	15046.850	16.65	39.45	54.08	34.35	36.37	-----	-----	Average		0.00
6	18000.000	18.35	42.60	54.30	32.93	39.58	54.00	-14.42	Average		0.00

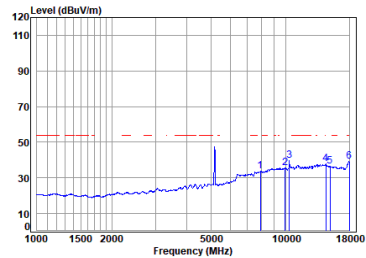
11a_TX_CH_36_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5180 TX RSE
: 5G Wi-Fi 11a

	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		dB
1	7852.524	11.43	37.11	55.98	53.99	46.55	68.20	-21.65	Peak		0.00
2	8688.400	12.08	38.28	55.06	52.74	48.04	68.20	-20.16	Peak		0.00
3	10363.710	13.61	39.20	53.56	55.62	54.87	68.20	-13.33	Peak		0.00
4	14533.910	16.79	40.20	54.10	47.53	50.42	68.20	-17.78	Peak		0.00
5	17007.460	18.42	38.89	53.94	46.22	49.59	68.20	-18.61	Peak		0.00
6	17948.050	18.30	42.29	54.28	45.61	51.92	74.00	-22.08	Peak		0.00

11a_TX_CH_36_Vertical-Avg

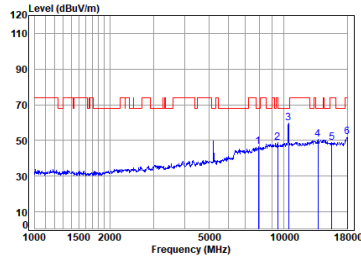


Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5180 TX RSE
: 5G Wi-Fi 11a

	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		dB
1	7920.911	11.54	37.30	55.94	40.83	33.73	-----	-----	Average		0.00
2	9952.717	12.91	38.71	53.65	37.51	35.48	-----	-----	Average		0.00
3	10363.710	13.61	39.20	53.56	40.35	39.60	-----	-----	Average		0.00
4	14491.960	17.07	40.22	54.10	34.80	37.99	54.00	-16.01	Average		0.00
5	15090.400	16.70	39.41	54.06	34.27	36.32	-----	-----	Average		0.00
6	18000.000	18.35	42.60	54.30	32.72	39.37	54.00	-14.63	Average		0.00



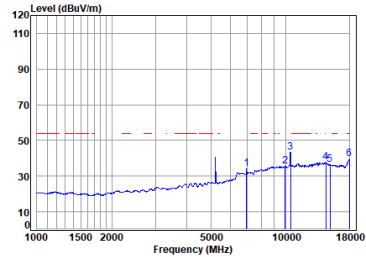
11a_TX_CH_44_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5220 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	7898.049	11.54	37.29	55.96	53.57	46.44	68.20	-21.76	Peak	0.00
2	9448.149	12.43	38.90	54.19	51.49	48.63	74.00	-25.37	Peak	0.00
3	pp10453.970	13.63	39.25	53.55	50.54	59.07	68.20	-8.33	Peak	0.00
4	13717.560	16.33	40.30	54.02	47.91	50.52	68.20	-17.68	Peak	0.00
5	15622.990	17.19	38.75	53.85	46.90	48.99	74.00	-25.01	Peak	0.00
6	18000.000	18.35	42.60	54.30	45.54	52.19	74.00	-21.81	Peak	0.00

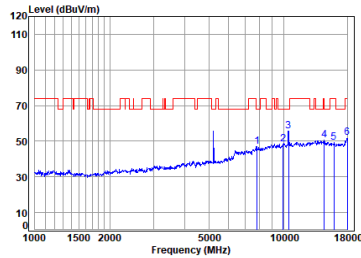
11a_TX_CH_44_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5220 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	6954.852	11.37	36.21	56.50	43.07	34.15	-----	-----	Average	0.00
2	9952.717	12.91	38.71	53.65	37.59	35.56	-----	-----	Average	0.00
3	10453.970	13.63	39.25	53.55	44.20	43.53	-----	-----	Average	0.00
4	14491.960	17.07	40.22	54.10	34.76	37.95	54.00	-16.05	Average	0.00
5	15090.400	16.70	39.41	54.06	34.31	36.36	-----	-----	Average	0.00
6	pp18000.000	18.35	42.60	54.30	33.03	39.68	54.00	-14.32	Average	0.00

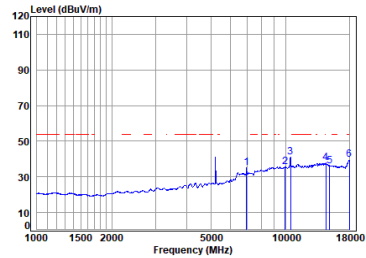
11a_TX_CH_44_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5220 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	7887.262	11.33	37.01	56.01	54.51	46.84	68.20	-21.36	Peak	0.00
2	9952.717	12.91	38.71	53.65	50.48	48.45	68.20	-19.75	Peak	0.00
3	pp10453.970	13.63	39.25	53.55	56.28	55.61	68.20	-12.59	Peak	0.00
4	14575.970	16.41	40.20	54.10	48.35	50.86	68.20	-17.34	Peak	0.00
5	15942.300	17.22	38.32	53.72	47.42	49.24	74.00	-24.76	Peak	0.00
6	18000.000	18.35	42.60	54.30	45.42	52.07	74.00	-21.93	Peak	0.00

11a_TX_CH_44_Vertical-Avg

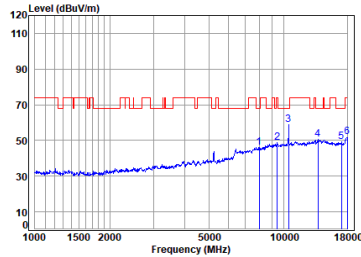


Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5220 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	6954.852	11.37	36.21	56.50	43.93	35.01	-----	-----	Average	0.00
2	9952.717	12.91	38.71	53.65	37.78	35.75	-----	-----	Average	0.00
3	10453.970	13.63	39.25	53.55	41.60	40.93	-----	-----	Average	0.00
4	14491.960	17.07	40.22	54.10	34.79	37.98	54.00	-16.02	Average	0.00
5	15046.850	16.65	39.45	54.08	34.22	36.24	-----	-----	Average	0.00
6	pp18000.000	18.35	42.60	54.30	32.83	39.48	54.00	-14.52	Average	0.00



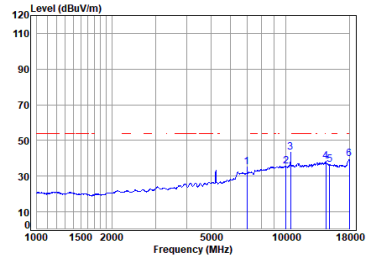
11a_TX_CH_48_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5240 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7966.832	11.55	37.27	55.92	53.26	46.16	68.20	-22.04	Peak		0.00
2	9420.880	12.35	38.84	54.22	51.89	48.86	74.00	-25.14	Peak		0.00
3	pp10404.230	13.64	39.28	53.55	59.60	58.97	68.20	-9.23	Peak		0.00
4	13717.560	16.33	40.30	54.02	47.93	50.54	68.20	-17.66	Peak		0.00
5	17087.460	18.42	38.89	53.94	45.75	49.12	68.20	-19.08	Peak		0.00
6	18000.000	18.35	42.60	54.30	45.15	51.80	74.00	-22.20	Peak		0.00

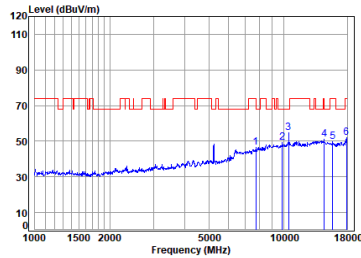
11a_TX_CH_48_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5240 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	6995.172	11.37	36.29	56.50	43.89	35.05	-----	-----	Average		0.00
2	10010.420	13.04	38.90	53.60	37.43	35.77	-----	-----	Average		0.00
3	10404.230	13.64	39.28	53.55	43.00	43.17	-----	-----	Average		0.00
4	14491.960	17.07	40.22	54.10	34.94	38.13	54.00	-15.87	Average		0.00
5	15046.850	16.65	39.45	54.00	34.44	36.46	-----	-----	Average		0.00
6	pp18000.000	18.35	42.60	54.30	33.10	39.75	54.00	-14.25	Average		0.00

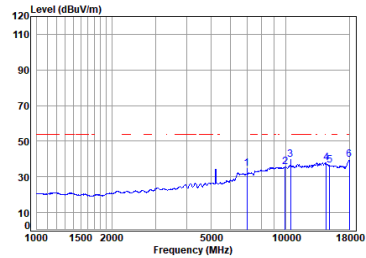
11a_TX_CH_48_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5240 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7739.857	11.39	36.98	56.05	54.26	46.58	74.00	-27.42	Peak		0.00
2	9866.789	12.90	38.53	53.74	51.57	49.26	68.20	-18.94	Peak		0.00
3	pp10404.230	13.64	39.28	53.55	55.37	54.74	68.20	-13.46	Peak		0.00
4	14533.910	16.79	40.20	54.10	48.22	51.11	68.20	-17.09	Peak		0.00
5	15713.560	17.24	38.60	53.81	47.53	49.56	74.00	-24.44	Peak		0.00
6	17896.250	18.25	41.97	54.26	45.88	51.84	74.00	-22.16	Peak		0.00

11a_TX_CH_48_Vertical-Avg

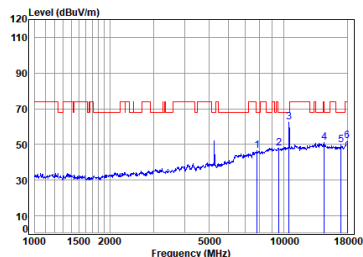


Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5240 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	6995.172	11.37	36.29	56.50	43.44	34.60	-----	-----	Average		0.00
2	9952.717	12.91	38.71	53.65	37.59	35.56	-----	-----	Average		0.00
3	10404.230	13.64	39.28	53.55	40.19	39.56	-----	-----	Average		0.00
4	14533.910	16.79	40.20	54.10	35.12	38.01	-----	-----	Average		0.00
5	15046.850	16.65	39.45	54.00	34.40	36.42	-----	-----	Average		0.00
6	pp18000.000	18.35	42.60	54.30	32.85	39.50	54.00	-14.50	Average		0.00



11a_TX_CH_52_Horizontal-Peak

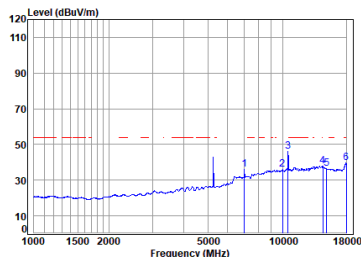


Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5260 TX RSE

: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7829.860	11.38	37.06	56.00	54.11	46.55	68.20	-21.65	Peak		0.00
2	9558.018	12.48	38.80	54.07	50.89	48.10	68.20	-20.10	Peak		0.00
3	pp10514.508	13.63	39.30	53.55	63.35	62.73	68.20	-5.47	Peak		0.00
4	14533.918	16.79	40.20	54.10	48.11	51.00	68.20	-17.20	Peak		0.00
5	17038.150	18.22	38.84	53.92	46.39	49.53	68.20	-18.67	Peak		0.00
6	18000.000	18.35	42.60	54.30	45.16	51.81	74.00	-22.19	Peak		0.00

11a_TX_CH_52_Horizontal-Avg

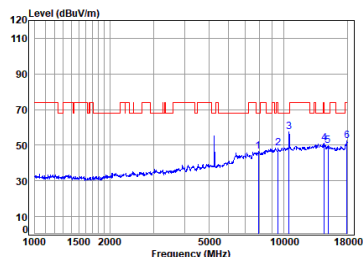


Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5260 TX RSE

: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7015.420	11.47	36.33	56.49	44.58	35.89	-----	-----	Average		0.00
2	9981.525	12.97	38.83	53.62	37.66	35.84	-----	-----	Average		0.00
3	10514.500	13.63	39.30	53.55	46.62	46.00	-----	-----	Average		0.00
4	14491.960	17.07	40.22	54.10	34.90	38.89	54.00	-15.91	Average		0.00
5	15046.850	16.65	39.45	54.08	34.38	36.40	-----	-----	Average		0.00
6	pp18000.000	18.35	42.60	54.30	33.04	39.69	54.00	-14.31	Average		0.00

11a_TX_CH_52_Vertical-Peak

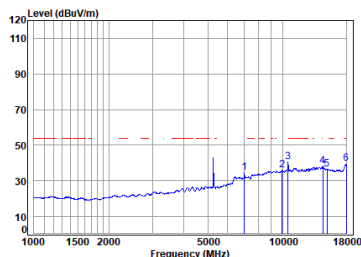


Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5260 TX RSE

: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7920.911	11.54	37.30	55.94	53.73	46.63	68.20	-21.57	Peak		0.00
2	9902.925	12.56	38.71	54.13	51.42	48.56	68.20	-19.64	Peak		0.00
3	pp10514.508	13.63	39.30	53.55	50.01	57.39	68.20	-10.81	Peak		0.00
4	14575.970	16.41	40.20	54.10	48.57	51.08	68.20	-17.12	Peak		0.00
5	15090.400	16.70	39.41	54.06	47.50	49.55	68.20	-18.65	Peak		0.00
6	17948.050	18.30	42.29	54.28	45.95	52.26	74.00	-21.74	Peak		0.00

11a_TX_CH_52_Vertical-Avg



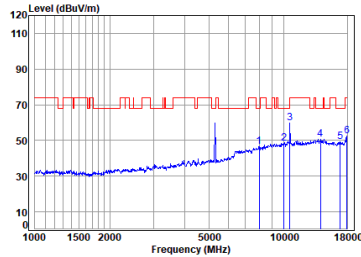
Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5260 TX RSE

: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7015.420	11.47	36.33	56.49	43.55	34.86	-----	-----	Average		0.00
2	9952.717	12.91	38.71	53.65	37.06	35.83	-----	-----	Average		0.00
3	10514.500	13.63	39.30	53.55	41.04	40.42	-----	-----	Average		0.00
4	14491.960	17.07	40.22	54.10	34.92	38.11	54.00	-15.89	Average		0.00
5	15090.400	16.70	39.41	54.06	34.35	36.40	-----	-----	Average		0.00
6	pp18000.000	18.35	42.60	54.30	32.97	39.62	54.00	-14.38	Average		0.00



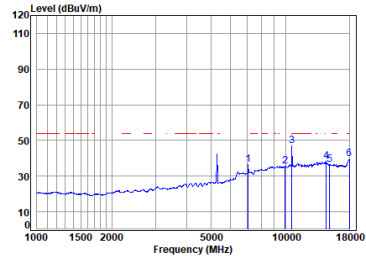
11a_TX_CH_60_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5300 TX RSE
: 5G Wi-Fi 11a

Freq	Cable	Loss	Factor	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB	Remark	Factor
1	7966.832	11.55	37.27	55.92	53.46	46.36	68.20	-21.84	Peak	0.00
2	10010.420	13.04	38.90	53.60	49.99	48.33	68.20	-19.87	Peak	0.00
3	pp10606.150	13.62	39.30	53.54	60.21	59.59	74.00	-14.41	Peak	0.00
4	14079.000	16.56	40.44	54.10	47.62	50.52	68.20	-17.68	Peak	0.00
5	16891.040	18.12	38.60	53.88	46.65	49.49	68.20	-18.71	Peak	0.00
6	17948.050	18.30	42.29	54.28	46.25	52.56	74.00	-21.44	Peak	0.00

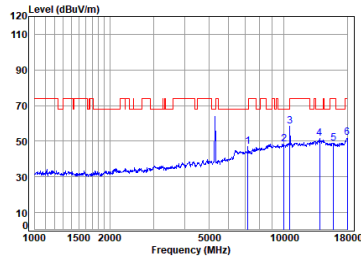
11a_TX_CH_60_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5300 TX RSE
: 5G Wi-Fi 11a

Freq	Cable	Loss	Factor	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB	Remark	Factor
1	7076.516	11.85	36.56	56.45	44.34	36.30	-----	-----	Average	0.00
2	9952.717	12.91	38.71	53.65	37.72	35.69	-----	-----	Average	0.00
3	pp10606.150	13.62	39.30	53.54	47.64	47.02	54.00	-6.98	Average	0.00
4	14533.910	16.79	40.20	54.10	35.28	38.17	-----	-----	Average	0.00
5	15846.850	16.65	39.45	54.08	34.59	36.61	-----	-----	Average	0.00
6	18000.000	18.35	42.60	54.30	33.13	39.78	54.00	-14.22	Average	0.00

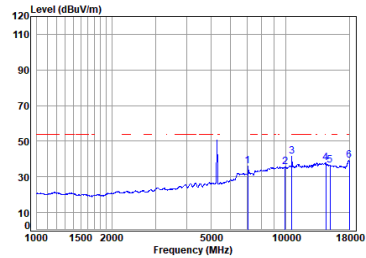
11a_TX_CH_60_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5300 TX RSE
: 5G Wi-Fi 11a

Freq	Cable	Loss	Factor	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB	Remark	Factor
1	7179.527	11.62	36.92	56.39	54.72	46.87	68.20	-21.33	Peak	0.00
2	10010.420	13.04	38.90	53.60	50.03	48.37	68.20	-19.83	Peak	0.00
3	pp10606.150	13.62	39.30	53.54	58.86	50.24	74.00	-15.76	Peak	0.00
4	13957.530	16.25	40.43	54.09	48.81	51.40	68.20	-16.80	Peak	0.00
5	15850.410	17.16	38.50	53.76	47.09	48.99	74.00	-25.01	Peak	0.00
6	18000.000	18.35	42.60	54.30	45.15	51.80	74.00	-22.20	Peak	0.00

11a_TX_CH_60_Vertical-Avg

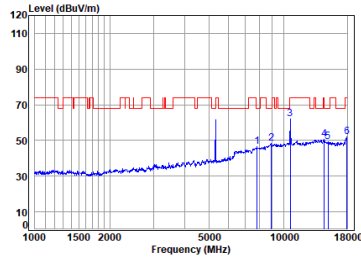


Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5300 TX RSE
: 5G Wi-Fi 11a

Freq	Cable	Loss	Factor	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB	Remark	Factor
1	7056.092	11.72	36.44	56.46	44.47	36.17	-----	-----	Average	0.00
2	9952.717	12.91	38.71	53.65	37.04	35.81	-----	-----	Average	0.00
3	pp10606.150	13.62	39.30	53.54	42.06	41.44	54.00	-12.56	Average	0.00
4	14491.960	17.07	40.22	54.10	34.82	38.01	54.00	-15.99	Average	0.00
5	15090.400	16.70	39.41	54.06	34.37	36.42	-----	-----	Average	0.00
6	18000.000	18.35	42.60	54.30	32.82	39.47	54.00	-14.53	Average	0.00



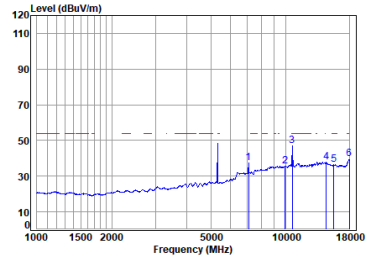
11a_TX_CH_64_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5320 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7887.262	11.33	37.01	56.01	54.04	46.37	68.20	-21.83	Peak		0.00
2	8917.462	12.21	38.43	54.79	52.33	48.18	68.20	-20.02	Peak		0.00
3	pp10636.850	13.76	39.30	53.54	62.55	62.07	74.00	-11.93	Peak		0.00
4	14533.910	16.79	40.20	54.10	47.78	50.67	68.20	-17.53	Peak		0.00
5	15090.400	16.70	39.41	54.06	49.11	68.20	-19.09	Peak			0.00
6	17948.050	18.30	42.29	54.28	45.53	51.84	74.00	-22.16	Peak		0.00

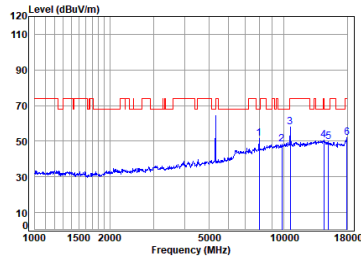
11a_TX_CH_64_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5320 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7096.999	11.97	36.68	56.44	45.15	37.36	-----	-----	Average		0.00
2	9952.717	12.91	38.71	53.65	37.74	35.71	-----	-----	Average		0.00
3	pp10636.850	13.76	39.30	53.54	47.57	47.09	54.00	-6.91	Average		0.00
4	14533.910	16.79	40.20	54.10	35.19	38.06	-----	-----	Average		0.00
5	15622.990	17.19	38.75	53.85	34.40	36.49	54.00	-17.51	Average		0.00
6	18000.000	18.35	42.60	54.30	33.25	39.90	54.00	-14.10	Average		0.00

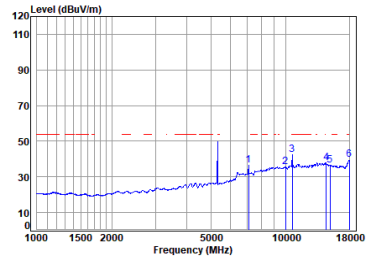
11a_TX_CH_64_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5320 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7966.832	11.55	37.27	55.92	58.48	51.38	68.20	-16.82	Peak		0.00
2	9838.312	12.98	38.50	53.77	50.64	48.35	68.20	-19.85	Peak		0.00
3	pp10636.850	13.76	39.30	53.54	50.59	50.11	74.00	-15.89	Peak		0.00
4	14491.960	17.07	40.22	54.10	47.35	50.54	74.00	-23.46	Peak		0.00
5	15134.080	16.71	39.37	54.04	47.73	49.77	68.20	-18.43	Peak		0.00
6	17948.050	18.30	42.29	54.28	45.72	52.03	74.00	-21.97	Peak		0.00

11a_TX_CH_64_Vertical-Avg

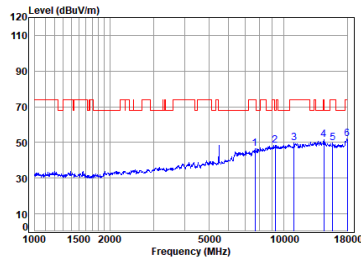


Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5320 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7096.999	11.97	36.68	56.44	44.36	36.57	-----	-----	Average		0.00
2	9981.525	12.97	38.83	53.62	37.38	35.56	-----	-----	Average		0.00
3	pp10636.850	13.76	39.30	53.54	42.78	42.30	54.00	-11.70	Average		0.00
4	14533.910	16.79	40.20	54.10	35.16	38.05	-----	-----	Average		0.00
5	15090.400	16.70	39.41	54.06	34.62	36.67	-----	-----	Average		0.00
6	18000.000	18.35	42.60	54.30	32.92	39.57	54.00	-14.43	Average		0.00



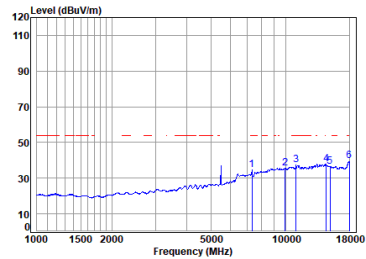
11a_TX_CH_100_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5500 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	7673.034	11.35	36.74	56.09	54.63	46.63	74.00	-27.37	Peak	0.00
2	pp 9258.909	12.23	38.70	54.40	52.06	48.59	68.20	-19.61	Peak	0.00
3	11012.250	14.23	39.30	53.50	49.91	49.94	74.00	-24.00	Peak	0.00
4	14491.960	17.07	40.22	54.10	48.18	51.37	74.00	-22.63	Peak	0.00
5	15713.560	17.24	38.60	53.81	47.67	49.70	74.00	-24.30	Peak	0.00
6	18000.000	18.35	42.60	54.30	45.35	52.00	74.00	-22.00	Peak	0.00

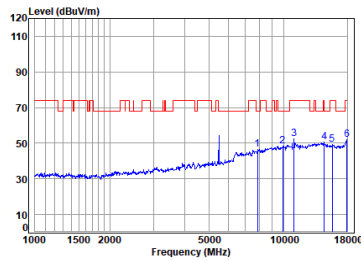
11a_TX_CH_100_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5500 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	7326.267	11.51	36.90	56.30	42.42	34.53	54.00	-19.47	Average	0.00
2	9952.717	12.91	38.71	53.65	37.74	35.71	54.00	-16.71	Average	0.00
3	11012.250	14.23	39.30	53.50	37.26	37.29	54.00	-16.71	Average	0.00
4	14533.910	16.79	40.20	54.10	35.16	38.05	54.00	-15.95	Average	0.00
5	15090.400	16.70	39.41	54.06	34.37	36.42	54.00	-17.58	Average	0.00
6	pp18000.000	18.35	42.60	54.30	32.96	39.61	54.00	-14.39	Average	0.00

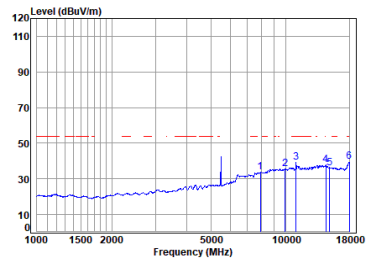
11a_TX_CH_100_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5500 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	7852.524	11.43	37.11	55.98	53.83	46.39	68.20	-21.81	Peak	0.00
2	9923.991	12.85	38.65	53.68	50.43	48.25	68.20	-19.95	Peak	0.00
3	11012.250	14.23	39.30	53.50	52.39	52.33	74.00	-21.67	Peak	0.00
4	pp14533.910	16.79	40.20	54.10	47.81	50.70	68.20	-17.50	Peak	0.00
5	15668.210	17.24	38.66	53.83	47.27	49.34	74.00	-24.66	Peak	0.00
6	17948.050	18.30	42.29	54.28	45.57	51.88	74.00	-22.12	Peak	0.00

11a_TX_CH_100_Vertical-Avg

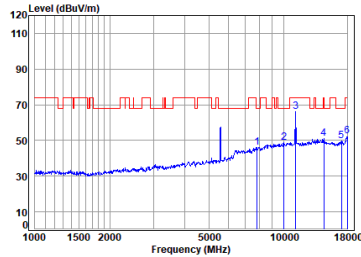


Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5500 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	7920.911	11.54	37.30	55.94	40.81	33.71	54.00	-20.29	Average	0.00
2	9952.717	12.91	38.71	53.65	37.60	35.57	54.00	-18.43	Average	0.00
3	11012.250	14.23	39.30	53.50	38.99	39.02	54.00	-14.98	Average	0.00
4	14491.960	17.07	40.22	54.10	34.78	37.97	54.00	-16.03	Average	0.00
5	15046.850	16.65	39.45	54.08	34.21	36.23	54.00	-17.77	Average	0.00
6	pp18000.000	18.35	42.60	54.30	32.83	39.48	54.00	-14.52	Average	0.00



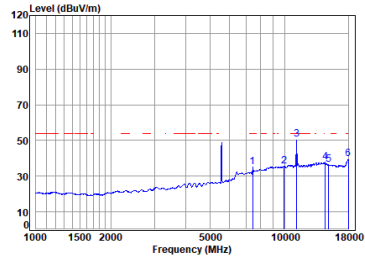
11a_TX_CH_116_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5500 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7829.860	11.38	37.06	56.00	53.85	46.29	68.20	-21.91	Peak		0.00
2	10010.420	13.04	38.90	53.60	50.44	48.78	68.20	-19.42	Peak		0.00
3	pp1172.560	14.73	39.45	53.45	65.34	66.07	74.00	-7.93	Peak		0.00
4	14491.960	17.07	40.22	54.10	47.72	50.91	74.00	-23.09	Peak		0.00
5	17087.460	18.42	38.89	53.94	46.40	49.77	68.20	-18.43	Peak		0.00
6	18000.000	18.35	42.60	54.30	45.67	52.32	74.00	-21.68	Peak		0.00

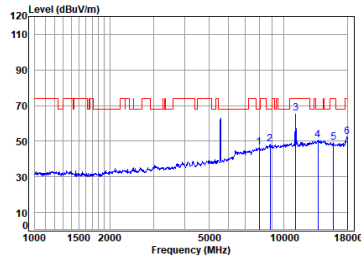
11a_TX_CH_116_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5500 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7432.914	11.41	36.77	56.23	42.98	34.93	54.00	-19.07	Average		0.00
2	9952.717	12.91	38.71	53.65	37.74	35.71	54.00	-18.29	Average		0.00
3	pp1172.560	14.73	39.45	53.45	50.05	50.78	54.00	-3.22	Average		0.00
4	14533.910	16.79	40.20	54.10	35.19	36.08	54.00	-17.92	Average		0.00
5	15046.850	16.65	39.45	54.08	34.43	36.45	54.00	-17.55	Average		0.00
6	18000.000	18.35	42.60	54.30	32.86	39.51	54.00	-14.49	Average		0.00

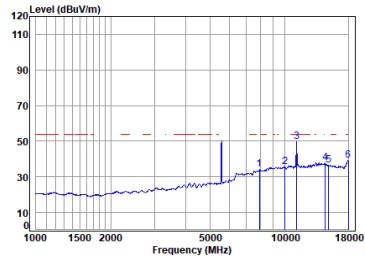
11a_TX_CH_116_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5500 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7989.893	11.56	37.22	55.91	53.71	46.58	68.20	-21.62	Peak		0.00
2	8814.957	12.25	38.33	54.91	52.89	48.56	68.20	-19.64	Peak		0.00
3	pp1172.560	14.73	39.45	53.45	64.80	65.53	74.00	-8.47	Peak		0.00
4	13717.560	16.33	40.30	54.02	47.94	50.55	68.20	-17.65	Peak		0.00
5	15850.410	17.16	38.50	53.76	47.25	49.15	74.00	-24.85	Peak		0.00
6	18000.000	18.35	42.60	54.30	46.00	52.65	74.00	-21.35	Peak		0.00

11a_TX_CH_116_Vertical-Avg

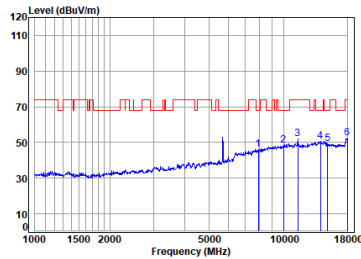


Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5500 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7920.911	11.54	37.30	55.94	41.09	33.99	54.00	-20.01	Average		0.00
2	10010.420	13.04	38.90	53.60	37.40	35.74	54.00	-18.26	Average		0.00
3	pp1172.560	14.73	39.45	53.45	49.23	49.96	54.00	-4.04	Average		0.00
4	14533.910	16.79	40.20	54.10	35.14	36.03	54.00	-17.97	Average		0.00
5	15046.850	16.65	39.45	54.08	34.45	36.47	54.00	-17.53	Average		0.00
6	18000.000	18.35	42.60	54.30	32.80	39.45	54.00	-14.55	Average		0.00



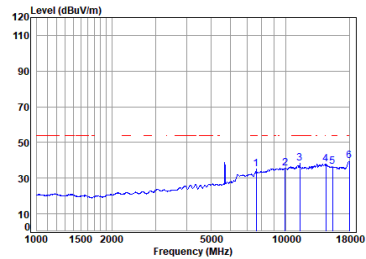
11a_TX_CH_140_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5700 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	7920.911	11.54	37.30	55.94	53.19	46.09	68.20	-22.11	Peak	0.00
2	9981.525	12.97	38.83	53.62	50.08	48.26	68.20	-19.94	Peak	0.00
3	11400.910	14.22	39.30	53.38	52.07	52.21	74.00	-21.79	Peak	0.00
4	pp14038.450	16.51	40.52	54.10	47.09	50.73	68.20	-17.47	Peak	0.00
5	15046.850	16.65	39.45	54.08	47.19	49.21	68.20	-18.99	Peak	0.00
6	18000.000	18.35	42.60	54.30	45.78	52.43	74.00	-21.57	Peak	0.00

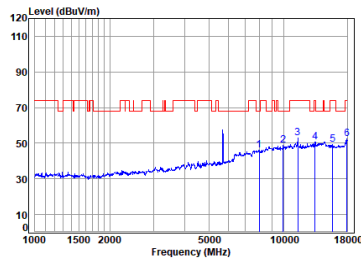
11a_TX_CH_140_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5700 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	7606.788	11.11	36.77	56.13	43.54	35.29	54.00	-18.71	Average	0.00
2	9952.717	12.91	38.71	53.65	37.72	35.69	-----	-----	Average	0.00
3	11400.910	14.22	39.30	53.38	38.28	38.42	54.00	-15.58	Average	0.00
4	14491.960	17.07	40.22	54.10	34.87	38.06	54.00	-15.94	Average	0.00
5	15443.410	16.82	38.96	53.92	34.55	36.41	54.00	-17.59	Average	0.00
6	pp18000.000	18.35	42.60	54.30	33.12	39.77	54.00	-14.23	Average	0.00

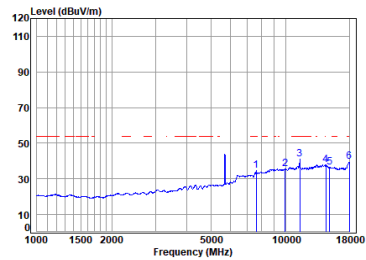
11a_TX_CH_140_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5700 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	7989.893	11.56	37.22	55.91	53.39	46.26	68.20	-21.94	Peak	0.00
2	pp 9952.717	12.91	38.71	53.65	50.82	48.79	68.20	-19.41	Peak	0.00
3	11400.910	14.22	39.30	53.38	52.62	52.96	74.00	-21.04	Peak	0.00
4	13365.320	16.13	40.40	53.91	48.25	50.87	74.00	-23.13	Peak	0.00
5	15713.560	17.24	38.60	53.81	47.11	49.14	74.00	-24.86	Peak	0.00
6	17948.050	18.30	42.29	54.28	45.95	52.26	74.00	-21.74	Peak	0.00

11a_TX_CH_140_Vertical-Avg

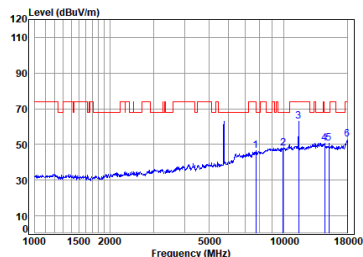


Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5700 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	7606.788	11.11	36.77	56.13	42.87	34.62	54.00	-19.38	Average	0.00
2	9952.717	12.91	38.71	53.65	37.72	35.69	-----	-----	Average	0.00
3	pp11400.910	14.22	39.30	53.38	40.77	40.91	54.00	-13.09	Average	0.00
4	14491.960	17.07	40.22	54.10	34.90	38.09	54.00	-15.91	Average	0.00
5	15046.850	16.65	39.45	54.08	34.35	36.37	-----	-----	Average	0.00
6	18000.000	18.35	42.60	54.30	33.08	39.73	54.00	-14.27	Average	0.00



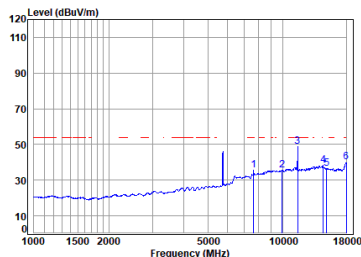
11a_TX_CH_149_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5745 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	7739.857	11.39	36.98	56.05	54.02	46.34	74.00	-27.66	Peak	0.00
2	9952.717	12.91	38.71	53.65	50.10	48.07	68.20	-20.13	Peak	0.00
3	pp11500.200	15.05	39.20	53.35	62.29	63.19	74.00	-10.81	Peak	0.00
4	14618.170	16.25	40.20	54.10	48.48	50.83	68.20	-17.37	Peak	0.00
5	15221.828	16.75	39.28	54.01	48.60	50.62	68.20	-17.58	Peak	0.00
6	18000.000	18.35	42.60	54.30	46.26	52.91	74.00	-21.09	Peak	0.00

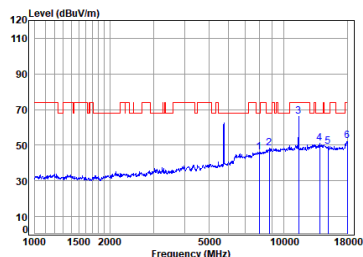
11a_TX_CH_149_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5745 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	7658.888	11.27	36.61	56.10	43.91	35.69	54.00	-18.31	Average	0.00
2	9952.717	12.91	38.71	53.65	37.60	35.57	54.00	-18.43	Average	0.00
3	pp11500.200	15.05	39.20	53.35	48.09	48.99	54.00	-5.01	Average	0.00
4	14533.910	16.79	40.20	54.10	35.23	38.12	54.00	-15.88	Average	0.00
5	15846.850	16.65	39.45	54.00	34.54	36.56	54.00	-17.44	Average	0.00
6	18000.000	18.35	42.60	54.30	33.34	39.99	54.00	-14.01	Average	0.00

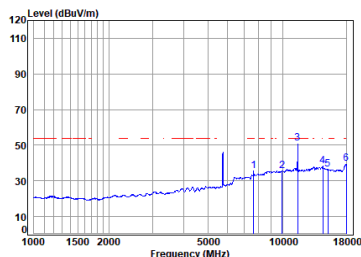
11a_TX_CH_149_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5745 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	7966.832	11.55	37.27	55.92	53.25	46.15	68.20	-22.05	Peak	0.00
2	8764.146	12.19	38.30	54.97	52.66	48.18	68.20	-20.02	Peak	0.00
3	pp11500.200	15.05	39.20	53.35	65.16	66.06	74.00	-7.94	Peak	0.00
4	13957.530	16.25	40.43	54.09	48.48	51.07	68.20	-17.13	Peak	0.00
5	15090.400	16.70	39.41	54.06	47.32	49.37	68.20	-18.83	Peak	0.00
6	18000.000	18.35	42.60	54.30	45.80	52.45	74.00	-21.55	Peak	0.00

11a_TX_CH_149_Vertical-Avg

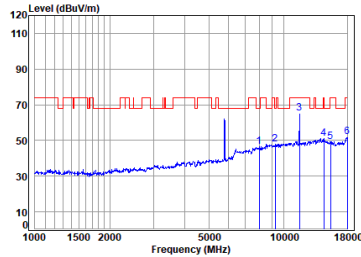


Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5745 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	7658.888	11.27	36.61	56.10	43.69	35.47	54.00	-18.53	Average	0.00
2	9952.717	12.91	38.71	53.65	37.65	35.62	54.00	-18.38	Average	0.00
3	pp11500.200	15.05	39.20	53.35	49.98	50.88	54.00	-3.12	Average	0.00
4	14491.960	17.07	40.22	54.10	34.95	38.14	54.00	-15.86	Average	0.00
5	15177.890	16.70	39.32	54.03	34.46	36.45	54.00	-17.55	Average	0.00
6	18000.000	18.35	42.60	54.30	32.99	39.64	54.00	-14.36	Average	0.00



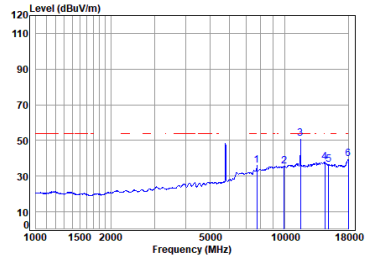
11a_TX_CH_157_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5785 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	7989.893	11.56	37.22	55.91	53.56	46.43	68.20	-21.77	Peak	0.00
2	9258.909	12.23	38.70	54.40	51.46	47.99	68.20	-20.21	Peak	0.00
3	pp11566.870	14.79	39.07	53.33	64.53	65.06	74.00	-8.94	Peak	0.00
4	14491.960	17.07	40.22	54.10	47.94	51.13	74.00	-22.87	Peak	0.00
5	15443.410	16.82	38.96	53.92	47.39	49.25	74.00	-24.75	Peak	0.00
6	18000.000	18.35	42.60	54.30	45.57	52.22	74.00	-21.78	Peak	0.00

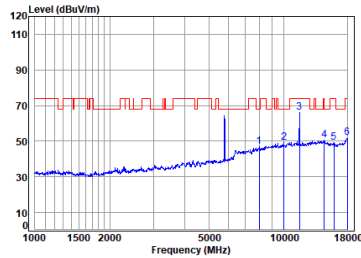
11a_TX_CH_157_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5785 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	7717.518	11.43	36.94	56.06	43.87	36.18	54.00	-17.82	Average	0.00
2	9952.717	12.91	38.71	53.65	37.74	35.71	54.00	-18.29	Average	0.00
3	pp11566.870	14.79	39.07	53.33	50.46	50.99	54.00	-3.01	Average	0.00
4	14491.960	17.07	40.22	54.10	34.87	38.06	54.00	-15.94	Average	0.00
5	15046.850	16.65	39.45	54.08	34.44	36.46	54.00	-17.54	Average	0.00
6	18000.000	18.35	42.60	54.30	33.00	39.65	54.00	-14.35	Average	0.00

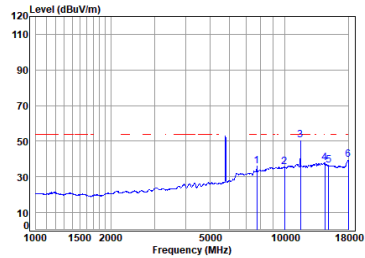
11a_TX_CH_157_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5785 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	7989.893	11.56	37.22	55.91	54.25	47.12	68.20	-21.08	Peak	0.00
2	10010.420	13.04	38.90	53.60	51.02	49.36	68.20	-18.84	Peak	0.00
3	pp11566.870	14.79	39.07	53.33	65.47	66.00	74.00	-8.00	Peak	0.00
4	14533.910	16.79	40.20	54.10	47.62	50.51	68.20	-17.69	Peak	0.00
5	15942.300	17.22	38.32	53.72	47.54	49.36	74.00	-24.64	Peak	0.00
6	18000.000	18.35	42.60	54.30	45.43	52.08	74.00	-21.92	Peak	0.00

11a_TX_CH_157_Vertical-Avg

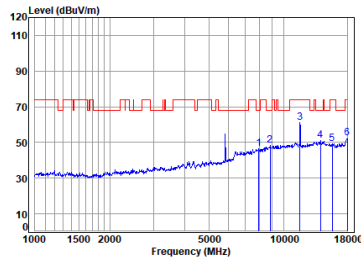


Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5785 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	7717.518	11.43	36.94	56.06	43.69	36.00	54.00	-18.00	Average	0.00
2	9981.525	12.97	38.83	53.62	37.48	35.66	54.00	-18.34	Average	0.00
3	pp11566.870	14.79	39.07	53.33	50.16	50.69	54.00	-3.31	Average	0.00
4	14491.960	17.07	40.22	54.10	34.83	38.02	54.00	-15.98	Average	0.00
5	15046.850	16.65	39.45	54.08	34.32	36.34	54.00	-17.66	Average	0.00
6	18000.000	18.35	42.60	54.30	32.99	39.64	54.00	-14.36	Average	0.00



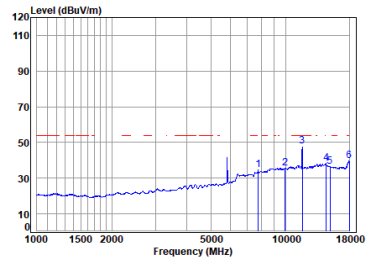
11a_TX_CH_165_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5825 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	7943.838	11.55	37.30	55.93	53.43	46.35	68.20	-21.85	Peak	0.00
2	8814.957	12.25	38.33	54.91	52.60	48.27	68.20	-19.93	Peak	0.00
3	pp11633.930	14.68	39.03	53.31	60.60	61.00	74.00	-13.00	Peak	0.00
4	14038.450	16.51	40.52	54.10	48.39	51.32	68.20	-16.88	Peak	0.00
5	15668.210	17.24	38.66	53.83	47.31	49.38	74.00	-24.62	Peak	0.00
6	18000.000	18.35	42.60	54.30	45.60	52.25	74.00	-21.75	Peak	0.00

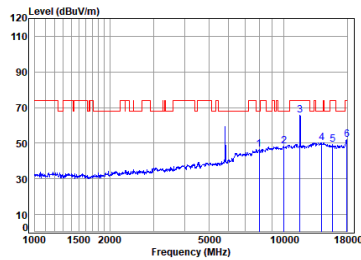
11a_TX_CH_165_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5825 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	7762.260	11.36	37.00	56.04	42.56	34.88	-----	-----	Average	0.00
2	9952.717	12.91	38.71	53.65	37.73	35.70	-----	-----	Average	0.00
3	pp11607.000	14.71	39.07	53.30	47.39	47.87	54.00	-6.13	Average	0.00
4	14533.910	16.79	40.20	54.10	35.29	38.18	-----	-----	Average	0.00
5	15090.400	16.70	39.41	54.06	34.44	36.49	-----	-----	Average	0.00
6	18000.000	18.35	42.60	54.30	33.05	39.70	54.00	-14.30	Average	0.00

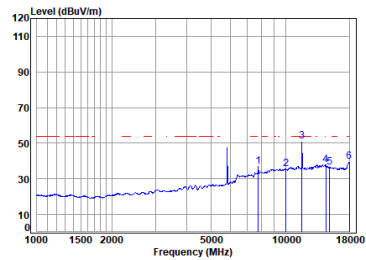
11a_TX_CH_165_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5825 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	7966.832	11.55	37.27	55.92	53.80	46.70	68.20	-21.50	Peak	0.00
2	10010.420	13.04	38.90	53.60	49.88	48.22	68.20	-19.98	Peak	0.00
3	pp11633.930	14.68	39.03	53.31	65.33	65.73	74.00	-8.27	Peak	0.00
4	14242.800	16.12	40.46	54.10	47.86	50.34	68.20	-17.86	Peak	0.00
5	15713.560	17.24	38.60	53.81	47.25	49.28	74.00	-24.72	Peak	0.00
6	17948.050	18.30	42.29	54.28	45.79	52.10	74.00	-21.90	Peak	0.00

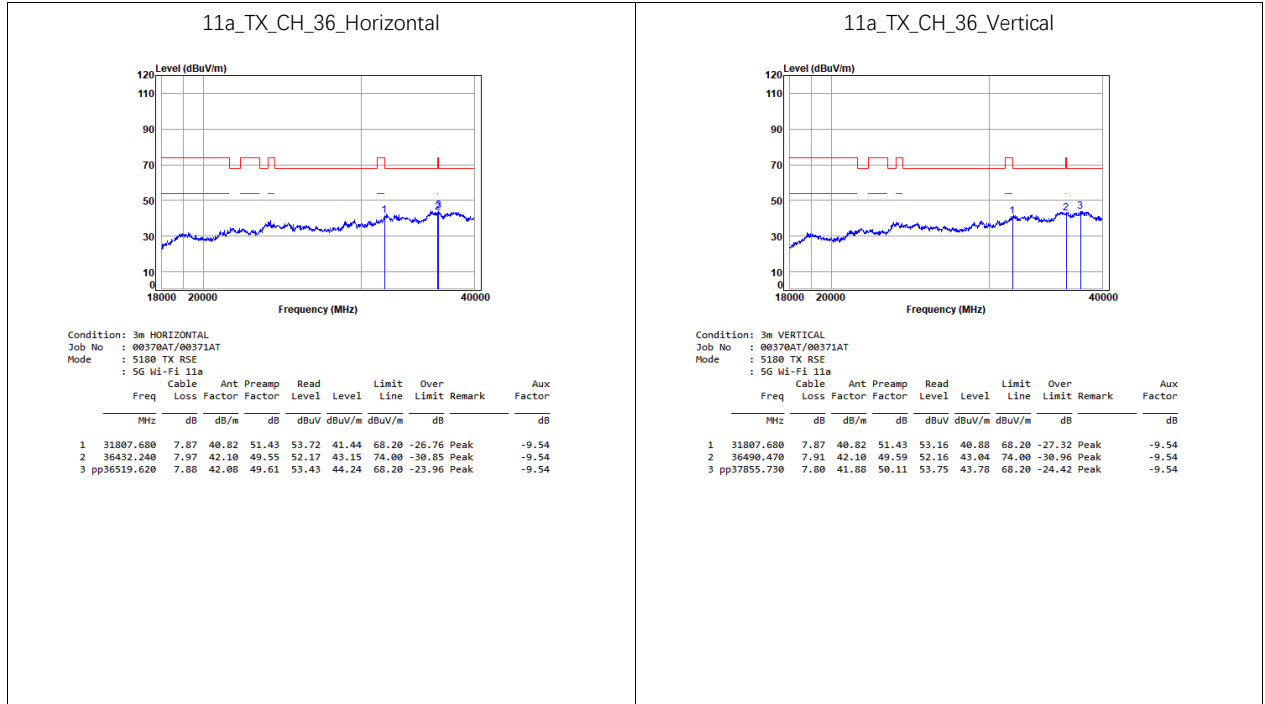
11a_TX_CH_165_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5825 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	7762.260	11.36	37.00	56.04	44.48	36.80	-----	-----	Average	0.00
2	10010.420	13.04	38.90	53.60	37.35	35.69	-----	-----	Average	0.00
3	pp11633.930	14.68	39.03	53.31	50.60	51.00	54.00	-3.00	Average	0.00
4	14491.960	17.07	40.22	54.10	34.81	38.00	54.00	-16.00	Average	0.00
5	15046.850	16.65	39.45	54.08	34.33	36.35	-----	-----	Average	0.00
6	18000.000	18.35	42.60	54.30	32.90	39.55	54.00	-14.45	Average	0.00





Remark: The maximum emission above the noise floor within the U-NII-1/U-NII-2A/U-NII-2C/U-NII-3 operating bands shown in the above plots is the fundamental frequency component, which is exempt from this test. Refer to the RF output power measurement section for relevant results.

7.4 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: Xing Guo

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

* Frequency in CFR 15.205 Restricted Band.

Note: Frequency in non-Restricted Band:

(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(4) For transmitters operating in the 5.725-5.85 GHz band:

(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

7.4.1 E.U.T. Operation

Operating Environment:

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



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

SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260100037006

Page: 46 of 242

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	09	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	10	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	11	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	12	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	14	Charge + TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	15	Charge + TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	16	Charge + TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	17	Charge + TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.



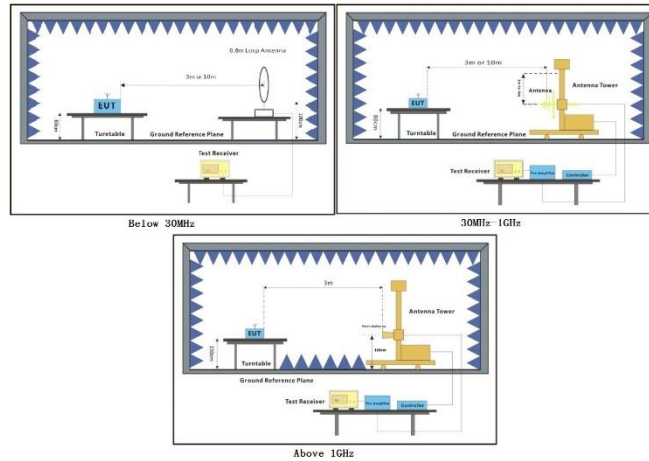
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Laboratory

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7.4.3 Test Setup Diagram



7.4.4 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 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.

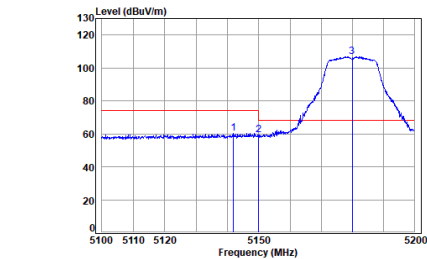
Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

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.



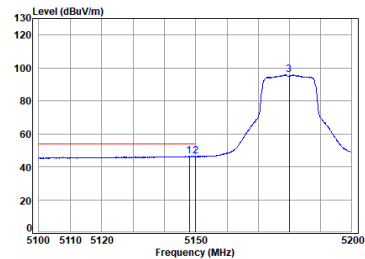
11a_TX_CH_36_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5180 Band edge
: 5G Wi-Fi 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	5141.963	10.11	33.30	29.95	46.90	60.36	74.00	-13.64	Peak	0.00
2	5149.980	10.14	33.30	29.95	45.73	59.22	74.00	-14.78	Peak	0.00
3 pp	5180.000	10.25	33.30	29.94	93.17	106.78	68.20	38.58	Peak	0.00

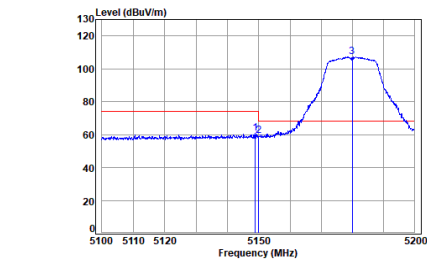
11a_TX_CH_36_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5180 Band edge
: 5G Wi-Fi 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 pp	5147.958	10.13	33.30	29.95	32.87	46.35	54.00	-7.65	Average	0.00
2	5149.980	10.14	33.30	29.95	32.77	46.26	54.00	-7.74	Average	0.00
3	5180.000	10.25	33.30	29.94	82.20	95.81	68.20	27.61	Average	0.00

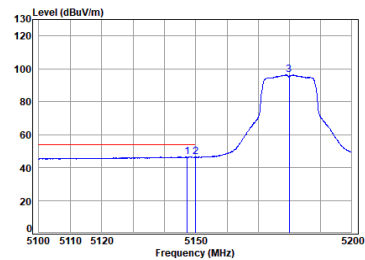
11a_TX_CH_36_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5180 Band edge
: 5G Wi-Fi 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	5148.857	10.14	33.30	29.95	47.17	60.66	74.00	-13.34	Peak	0.00
2	5149.980	10.14	33.30	29.95	45.71	59.20	74.00	-14.80	Peak	0.00
3 pp	5180.000	10.25	33.30	29.94	93.77	107.38	68.20	39.18	Peak	0.00

11a_TX_CH_36_Vertical-Avg

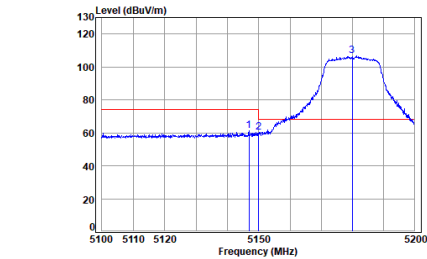


Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5180 Band edge
: 5G Wi-Fi 11a

	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	5147.258	10.13	33.30	29.95	32.96	46.44	54.00	-7.56	Average	0.00
2 pp	5149.980	10.14	33.30	29.95	33.06	46.55	54.00	-7.45	Average	0.00
3	5180.000	10.25	33.30	29.94	82.62	96.23	68.20	27.63	Average	0.00



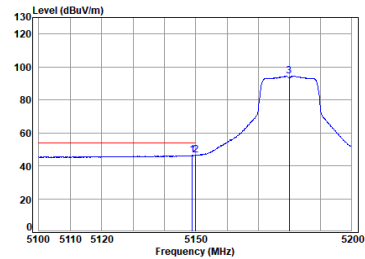
11ac_VHT(20M)_TX_CH_36_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5180 Band edge
: 5G Wi-Fi 11ac20

	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	5146.858	10.13	33.30	29.95	47.67	61.15	74.00	-12.85	Peak	0.00
2	5149.980	10.14	33.30	29.95	46.72	60.21	74.00	-13.79	Peak	0.00
3 pp	5180.000	10.25	33.30	29.94	93.06	106.67	68.20	38.47	Peak	0.00

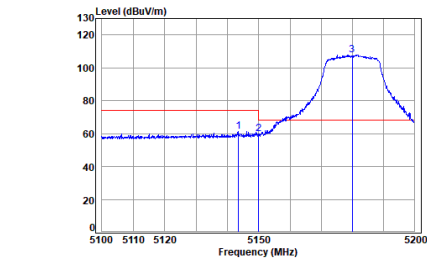
11ac_VHT(20M)_TX_CH_36_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5180 Band edge
: 5G Wi-Fi 11ac20

	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	5148.857	10.14	33.30	29.95	32.86	46.35	54.00	-7.65	Average	0.00
2 pp	5149.980	10.14	33.30	29.95	32.98	46.47	54.00	-7.53	Average	0.00
3	5180.000	10.25	33.30	29.94	80.93	94.54	-----	-----	Average	0.00

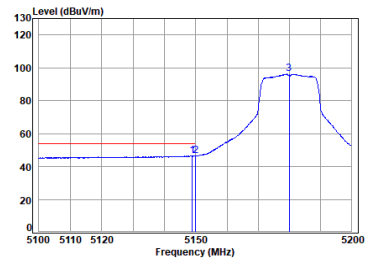
11ac_VHT(20M)_TX_CH_36_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5180 Band edge
: 5G Wi-Fi 11ac20

	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	5143.561	10.12	33.30	29.95	47.94	61.41	74.00	-12.59	Peak	0.00
2	5149.980	10.14	33.30	29.95	46.46	59.95	74.00	-14.05	Peak	0.00
3 pp	5180.000	10.25	33.30	29.94	94.38	107.99	68.20	39.79	Peak	0.00

11ac_VHT(20M)_TX_CH_36_Vertical-Avg

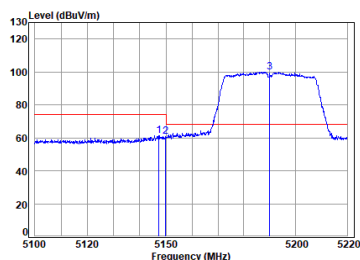


Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5180 Band edge
: 5G Wi-Fi 11ac20

	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	5148.857	10.14	33.30	29.95	32.99	46.48	54.00	-7.52	Average	0.00
2 pp	5149.980	10.14	33.30	29.95	33.22	46.71	54.00	-7.29	Average	0.00
3	5180.000	10.25	33.30	29.94	82.53	96.14	-----	-----	Average	0.00



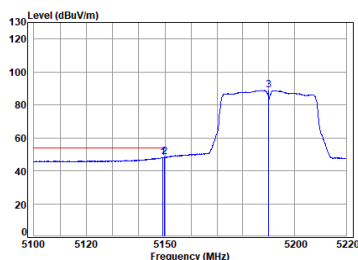
11ac_VHT(40M)_TX_CH_38_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5190 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	5147.306	10.13	33.30	29.95	47.99	61.47	74.00	-12.53 Peak	0.00
2	5149.980	10.14	33.30	29.95	47.08	60.57	74.00	-13.43 Peak	0.00
3 pp	5190.000	10.29	33.30	29.94	86.31	99.96	68.20	31.76 Peak	0.00

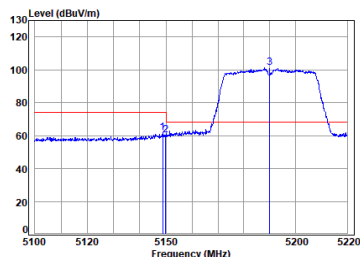
11ac_VHT(40M)_TX_CH_38_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5190 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	5149.342	10.14	33.30	29.95	34.66	48.15	54.00	-5.85 Average	0.00
2 pp	5149.980	10.14	33.30	29.95	34.79	48.28	54.00	-5.72 Average	0.00
3	5190.000	10.29	33.30	29.94	75.20	88.85	-----	----- Average	0.00

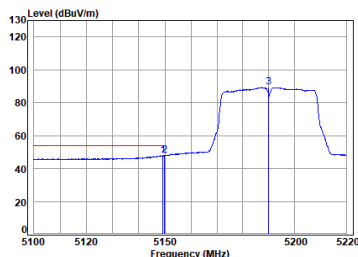
11ac_VHT(40M)_TX_CH_38_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5190 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	5148.743	10.14	33.30	29.95	48.27	61.76	74.00	-12.24 Peak	0.00
2	5149.980	10.14	33.30	29.95	46.95	60.44	74.00	-13.56 Peak	0.00
3 pp	5190.000	10.29	33.30	29.94	87.50	101.15	68.20	32.95 Peak	0.00

11ac_VHT(40M)_TX_CH_38_Vertical-Avg

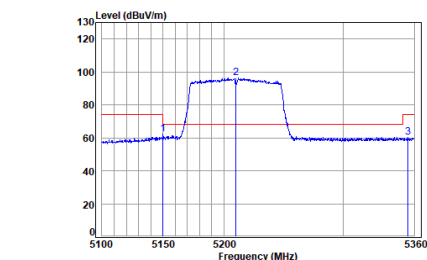


Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5190 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	5149.222	10.14	33.30	29.95	34.34	47.83	54.00	-6.17 Average	0.00
2 pp	5149.980	10.14	33.30	29.95	34.63	48.12	54.00	-5.88 Average	0.00
3	5190.000	10.29	33.30	29.94	75.72	89.37	-----	----- Average	0.00



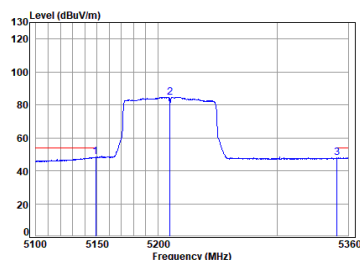
11ac_VHT(80M)_TX_CH_42_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5210 Band edge
: 5G Wi-Fi 11ac80

	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	5149.947	10.14	33.30	29.95	48.87	62.36	74.00	-11.64	Peak	0.00
2	5210.000	10.32	33.28	29.93	82.79	96.46	68.20	28.26	Peak	0.00
3	5354.938	10.47	33.01	29.89	46.67	60.26	74.00	-13.74	Peak	0.00

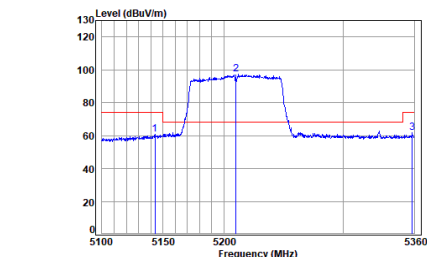
11ac_VHT(80M)_TX_CH_42_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5210 Band edge
: 5G Wi-Fi 11ac80

	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	5148.922	10.14	33.30	29.95	34.78	48.27	54.00	-5.73	Average	0.00
2	5210.000	10.32	33.28	29.93	71.04	84.71	54.00	30.71	Average	0.00
3	5358.414	10.45	33.00	29.89	34.26	47.82	54.00	-6.18	Average	0.00

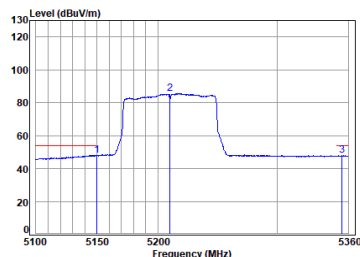
11ac_VHT(80M)_TX_CH_42_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5210 Band edge
: 5G Wi-Fi 11ac80

	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	5143.293	10.12	33.30	29.95	47.38	60.85	74.00	-13.15	Peak	0.00
2	5210.000	10.32	33.28	29.93	83.61	97.28	68.20	29.08	Peak	0.00
3	5358.401	10.48	33.02	29.89	48.02	61.63	74.00	-12.37	Peak	0.00

11ac_VHT(80M)_TX_CH_42_Vertical-Avg

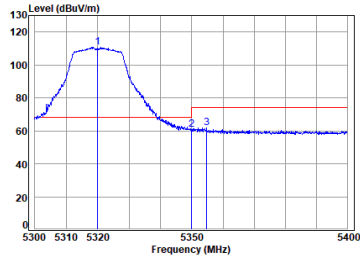


Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5210 Band edge
: 5G Wi-Fi 11ac80

	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	5149.690	10.14	33.30	29.95	34.61	48.10	54.00	-5.90	Average	0.00
2	5210.000	10.32	33.28	29.93	71.93	85.60	54.00	31.60	Average	0.00
3	5354.938	10.47	33.01	29.89	34.18	47.77	54.00	-6.23	Average	0.00



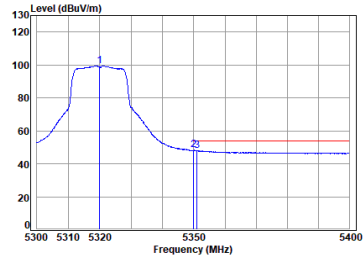
11a_TX_CH_64_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5320 Band edge
: 5G Wi-Fi 11a

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1 pp 5320.000	10.35	33.06	29.90	97.13	110.64	68.20	42.44	Peak	0.00
2 5350.020	10.45	33.00	29.89	47.44	61.00	74.00	-13.00	Peak	0.00
3 5354.769	10.47	33.01	29.89	48.10	61.69	74.00	-12.31	Peak	0.00

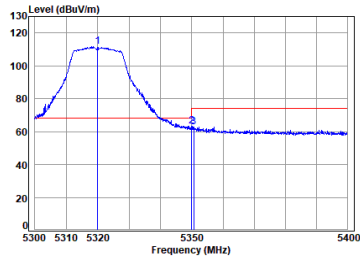
11a_TX_CH_64_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5320 Band edge
: 5G Wi-Fi 11a

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1 5320.000	10.35	33.06	29.90	86.04	99.55	-----	-----	Average	0.00
2 pp 5350.020	10.45	33.00	29.89	34.64	48.20	54.00	-5.80	Average	0.00
3 5351.066	10.45	33.00	29.89	34.29	47.85	54.00	-6.15	Average	0.00

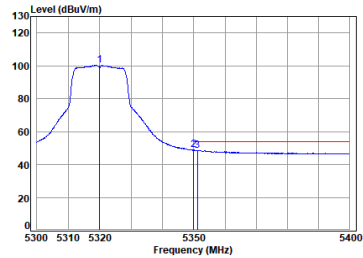
11a_TX_CH_64_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5320 Band edge
: 5G Wi-Fi 11a

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1 pp 5320.000	10.35	33.06	29.90	97.99	111.50	68.20	43.30	Peak	0.00
2 5350.020	10.45	33.00	29.89	49.57	63.13	74.00	-10.87	Peak	0.00
3 5350.667	10.45	33.00	29.89	49.31	62.87	74.00	-11.13	Peak	0.00

11a_TX_CH_64_Vertical-Avg

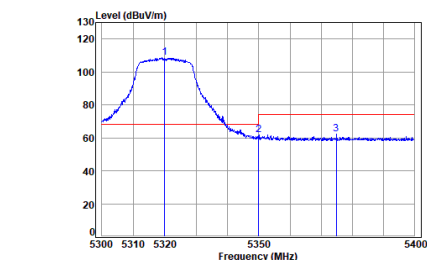


Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5320 Band edge
: 5G Wi-Fi 11a

Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1 5320.000	10.35	33.06	29.90	86.83	100.34	-----	-----	Average	0.00
2 pp 5350.020	10.45	33.00	29.89	35.42	48.98	54.00	-5.02	Average	0.00
3 5351.167	10.45	33.00	29.89	35.08	48.64	54.00	-5.36	Average	0.00



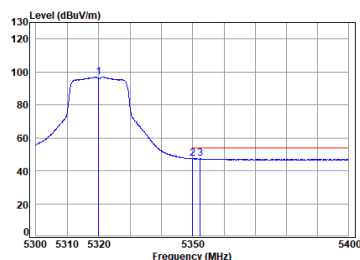
11ac_VHT(20M)_TX_CH_64_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5320 Band edge
: 5G Wi-Fi 11ac20

	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	pp 5320.000	10.35	33.06	29.90	95.01	108.52	68.20	40.32	Peak	0.00	
2	5350.020	10.45	33.00	29.89	48.11	61.67	74.00	-12.33	Peak	0.00	
3	5374.925	10.54	33.05	29.88	48.63	62.34	74.00	-11.66	Peak	0.00	

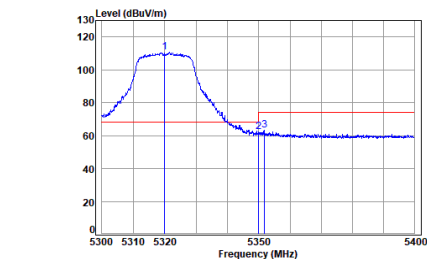
11ac_VHT(20M)_TX_CH_64_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5320 Band edge
: 5G Wi-Fi 11ac20

	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	5320.000	10.35	33.06	29.90	83.40	96.91	-----	-----	Average	0.00	
2	pp 5350.020	10.45	33.00	29.89	33.85	47.41	54.00	-6.59	Average	0.00	
3	5352.367	10.46	33.00	29.89	33.84	47.41	54.00	-6.59	Average	0.00	

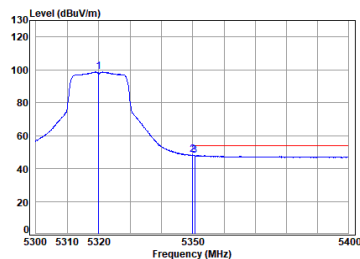
11ac_VHT(20M)_TX_CH_64_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5320 Band edge
: 5G Wi-Fi 11ac20

	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	pp 5320.000	10.35	33.06	29.90	97.44	110.95	68.20	42.75	Peak	0.00	
2	5350.020	10.45	33.00	29.89	48.85	62.41	74.00	-11.59	Peak	0.00	
3	5351.867	10.46	33.00	29.89	49.66	63.23	74.00	-10.77	Peak	0.00	

11ac_VHT(20M)_TX_CH_64_Vertical-Avg

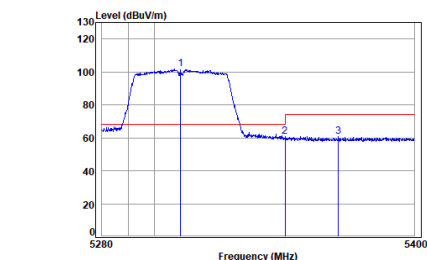


Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5320 Band edge
: 5G Wi-Fi 11ac20

	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	5320.000	10.35	33.06	29.90	85.30	98.81	-----	-----	Average	0.00	
2	pp 5350.020	10.45	33.00	29.89	34.65	48.21	54.00	-5.79	Average	0.00	
3	5350.667	10.45	33.00	29.89	34.33	47.89	54.00	-6.11	Average	0.00	



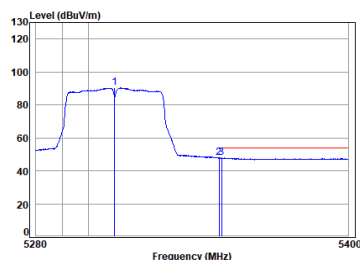
11ac_VHT(40M)_TX_CH_62_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5310 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	Factor
1	pp 5310.000	10.31	33.08	29.90	88.40	101.89	68.20	33.69	Peak	0.00
2	5350.020	10.45	33.00	29.89	47.21	60.77	74.00	-13.23	Peak	0.00
3	5370.591	10.52	33.04	29.88	47.25	60.93	74.00	-13.07	Peak	0.00

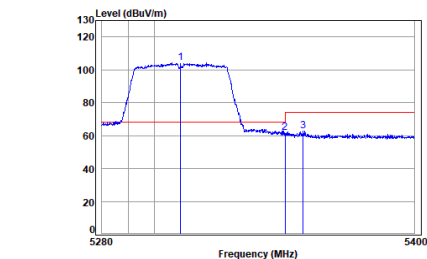
11ac_VHT(40M)_TX_CH_62_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5310 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	Factor
1	5310.000	10.31	33.08	29.90	76.77	90.26	-----	-----	Average	0.00
2	pp 5350.020	10.45	33.00	29.89	34.62	48.18	54.00	-5.82	Average	0.00
3	5351.075	10.45	33.00	29.89	34.35	47.91	54.00	-6.09	Average	0.00

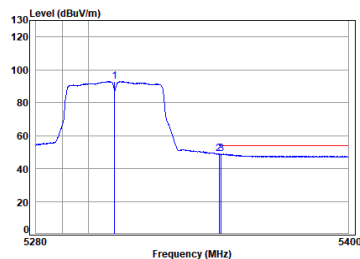
11ac_VHT(40M)_TX_CH_62_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5310 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	Factor
1	pp 5310.000	10.31	33.08	29.90	90.78	104.27	68.20	36.07	Peak	0.00
2	5350.020	10.45	33.00	29.89	48.01	61.57	74.00	-12.43	Peak	0.00
3	5357.091	10.47	33.01	29.89	49.17	62.76	74.00	-11.24	Peak	0.00

11ac_VHT(40M)_TX_CH_62_Vertical-Avg

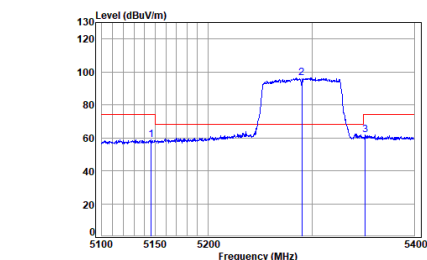


Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5310 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	Factor
1	5310.000	10.31	33.08	29.90	79.38	92.87	-----	-----	Average	0.00
2	5350.020	10.45	33.00	29.89	35.26	48.82	54.00	-5.18	Average	0.00
3	5350.955	10.45	33.00	29.89	35.30	48.86	54.00	-5.14	Average	0.00



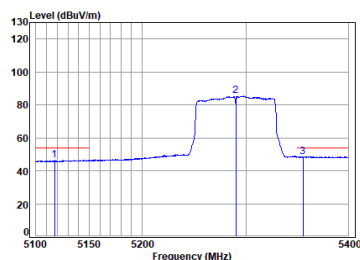
11ac_VHT(80M)_TX_CH_58_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5290 Band edge
: 5G Wi-Fi 11ac80

	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	5146.267	10.13	33.30	29.95	45.40	58.88	74.00	-15.12	Peak	0.00	
2	5290.000	10.28	33.12	29.91	82.84	96.33	68.20	28.13	Peak	0.00	
3	5351.758	10.46	33.00	29.89	48.00	61.57	74.00	-12.43	Peak	0.00	

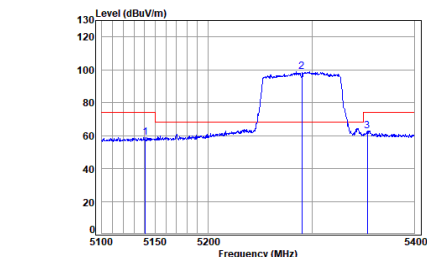
11ac_VHT(80M)_TX_CH_58_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5290 Band edge
: 5G Wi-Fi 11ac80

	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	5117.521	10.02	33.30	29.96	33.23	46.59	54.00	-7.41	Average	0.00	
2	5290.000	10.28	33.12	29.91	71.78	85.27	-----	-----	Average	0.00	
3	5355.736	10.47	33.01	29.89	35.00	48.59	54.00	-5.41	Average	0.00	

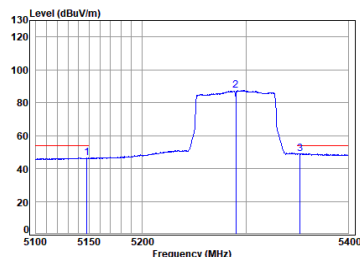
11ac_VHT(80M)_TX_CH_58_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5290 Band edge
: 5G Wi-Fi 11ac80

	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	5146.681	10.11	33.30	29.95	45.51	58.97	74.00	-15.03	Peak	0.00	
2	5290.000	10.28	33.12	29.91	85.31	98.00	68.20	30.60	Peak	0.00	
3	5353.899	10.46	33.01	29.89	49.40	62.98	74.00	-11.02	Peak	0.00	

11ac_VHT(80M)_TX_CH_58_Vertical-Avg

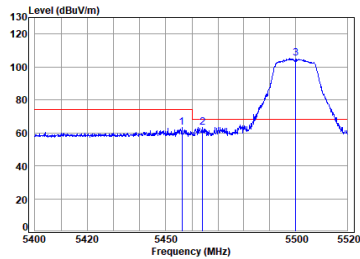


Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5290 Band edge
: 5G Wi-Fi 11ac80

	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	5148.032	10.13	33.30	29.95	32.95	46.43	54.00	-7.57	Average	0.00	
2	5290.000	10.28	33.12	29.91	73.95	87.44	-----	-----	Average	0.00	
3	5352.676	10.46	33.01	29.89	35.48	49.06	54.00	-4.94	Average	0.00	



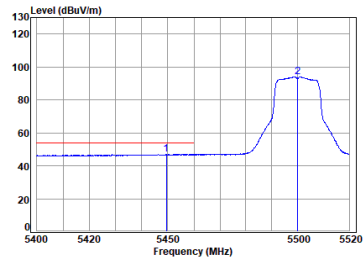
11a_TX_CH_100_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5500 Band edge
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	5456.191	10.60	33.10	29.86	49.65	63.49	74.00	-10.51	Peak	0.00
2	5464.112	10.59	33.10	29.85	49.63	63.47	68.20	-4.73	Peak	0.00
3	pp 5500.000	10.58	33.10	29.84	91.28	105.12	68.20	36.92	Peak	0.00

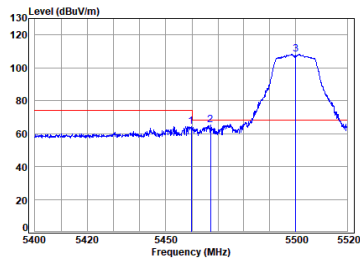
11a_TX_CH_100_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5500 Band edge
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	pp 5449.480	10.60	33.10	29.86	33.08	46.92	54.00	-7.08	Average	0.00
2	5500.000	10.58	33.10	29.84	80.22	94.06	-----	-----	Average	0.00

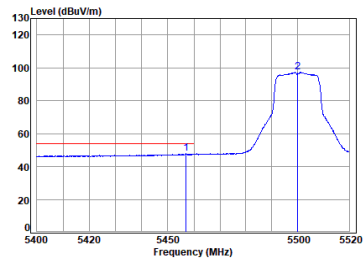
11a_TX_CH_100_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5500 Band edge
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	5459.791	10.60	33.10	29.86	50.55	64.39	74.00	-9.61	Peak	0.00
2	5467.235	10.59	33.10	29.85	51.28	65.12	68.20	-3.08	Peak	0.00
3	pp 5500.000	10.58	33.10	29.84	94.33	108.17	68.20	39.97	Peak	0.00

11a_TX_CH_100_Vertical-Avg

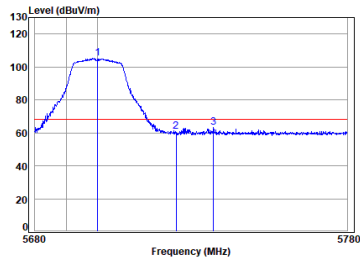


Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5500 Band edge
: 5G Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	pp 5457.031	10.60	33.10	29.86	33.97	47.81	54.00	-6.19	Average	0.00
2	5500.000	10.58	33.10	29.84	83.46	97.30	-----	-----	Average	0.00



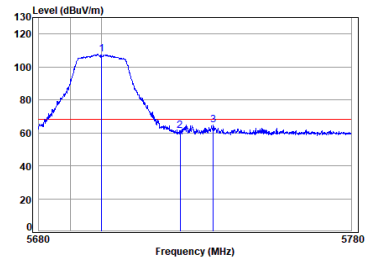
11a_TX_CH_140_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5700 Band edge
: 5G NR-F1 11a

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1 pp 5700.000	10.56	33.70	29.78	90.81	105.29	68.20	37.09 Peak	0.00
2 5725.000	10.68	33.75	29.78	45.97	60.62	68.20	-7.58 Peak	0.00
3 5736.906	10.73	33.77	29.77	48.30	63.03	68.20	-5.17 Peak	0.00

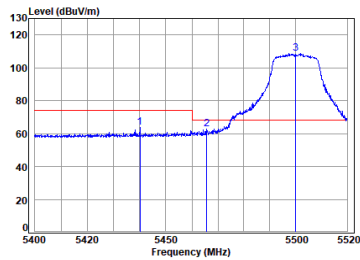
11a_TX_CH_140_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5700 Band edge
: 5G NR-F1 11a

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1 pp 5700.000	10.56	33.70	29.78	93.07	107.55	68.20	39.35 Peak	0.00
2 5725.000	10.68	33.75	29.78	46.89	61.54	68.20	-6.66 Peak	0.00
3 5735.685	10.73	33.77	29.77	50.09	64.82	68.20	-3.38 Peak	0.00

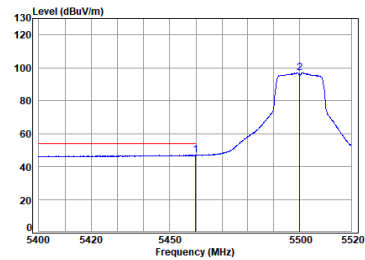
11ac_VHT(20M)_TX_CH_100_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5500 Band edge
: 5G NR-F1 11ac20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1 5440.146	10.60	33.10	29.86	50.00	63.84	74.00	-10.16 Peak	0.00
2 5465.793	10.59	33.10	29.85	49.12	62.96	68.20	-5.24 Peak	0.00
3 pp 5500.000	10.58	33.10	29.84	94.74	108.58	68.20	40.38 Peak	0.00

11ac_VHT(20M)_TX_CH_100_Horizontal-Avg

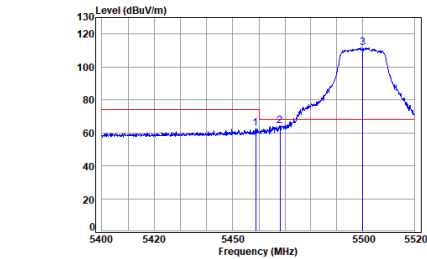


Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5500 Band edge
: 5G NR-F1 11ac20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1 pp 5459.910	10.60	33.10	29.86	33.10	46.94	54.00	-7.06 Average	0.00
2 5500.000	10.58	33.10	29.84	83.14	96.98	-----	----- Average	0.00



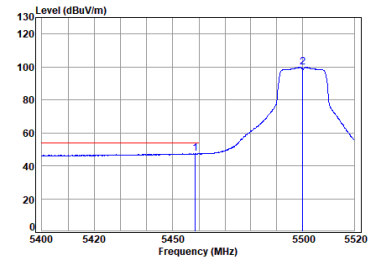
11ac_VHT(20M)_TX_CH_100_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5500 Band edge
: 5G Wi-Fi 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	5458.710	10.60	33.10	29.86	48.98	62.82	74.00	-11.18	Peak	0.00
2	5468.077	10.59	33.10	29.85	50.40	64.24	68.20	-3.96	Peak	0.00
3 pp	5500.000	10.58	33.10	29.84	98.06	111.90	68.20	43.70	Peak	0.00

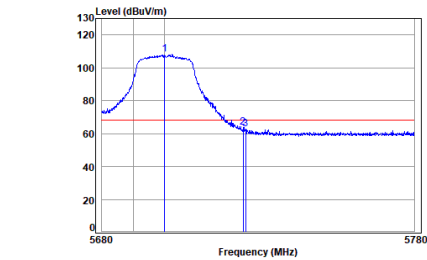
11ac_VHT(20M)_TX_CH_100_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5500 Band edge
: 5G Wi-Fi 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 pp	5458.590	10.60	33.10	29.86	33.61	47.45	54.00	-6.55	Average	0.00
2	5500.000	10.58	33.10	29.84	86.08	99.92	68.20	31.72	Average	0.00

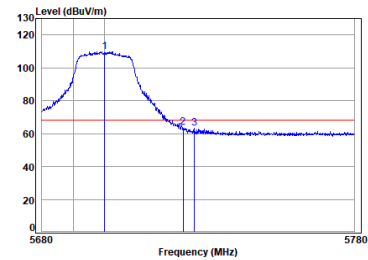
11ac_VHT(20M)_TX_CH_140_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5700 Band edge
: 5G Wi-Fi 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 pp	5700.000	10.56	33.70	29.78	93.58	108.06	68.20	39.86	Peak	0.00
2	5725.000	10.68	33.75	29.78	49.17	63.82	68.20	-4.38	Peak	0.00
3	5725.783	10.68	33.75	29.78	48.30	62.95	68.20	-5.25	Peak	0.00

11ac_VHT(20M)_TX_CH_140_Vertical-Peak

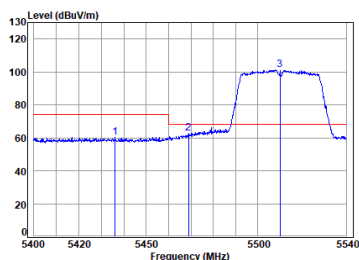


Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5700 Band edge
: 5G Wi-Fi 11ac20

	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 pp	5700.000	10.56	33.70	29.78	95.39	109.87	68.20	41.67	Peak	0.00
2	5725.000	10.68	33.75	29.78	48.98	63.63	68.20	-4.57	Peak	0.00
3	5728.682	10.69	33.76	29.78	48.56	63.23	68.20	-4.97	Peak	0.00



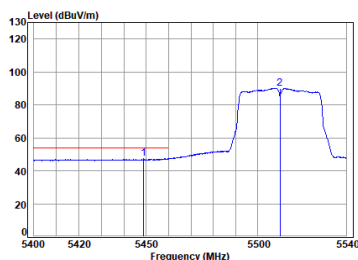
11ac_VHT(40M)_TX_CH_102_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5510 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	Factor
1	5436.056	10.61	33.10	29.86		46.63	60.48	74.00	-13.52	Peak
2	5468.852	10.59	33.10	29.85		48.73	62.57	68.20	-5.63	Peak
3 pp	5510.000	10.56	33.10	29.84		87.29	101.11	68.20	32.91	Peak

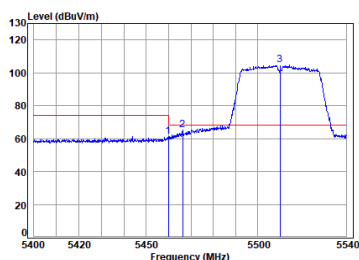
11ac_VHT(40M)_TX_CH_102_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5510 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	Factor
1 pp	5448.732	10.60	33.10	29.86		33.47	47.31	54.00	-6.69	Average
2	5510.000	10.56	33.10	29.84		76.21	90.03	68.20	21.83	Average

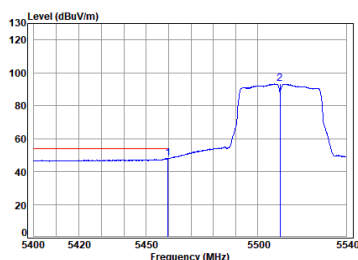
11ac_VHT(40M)_TX_CH_102_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5510 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	Factor
1	5459.901	10.60	33.10	29.86		47.65	61.49	74.00	-12.51	Peak
2	5466.193	10.59	33.10	29.85		51.16	65.00	68.20	-3.20	Peak
3 pp	5510.000	10.56	33.10	29.84		90.74	104.56	68.20	36.36	Peak

11ac_VHT(40M)_TX_CH_102_Vertical-Avg

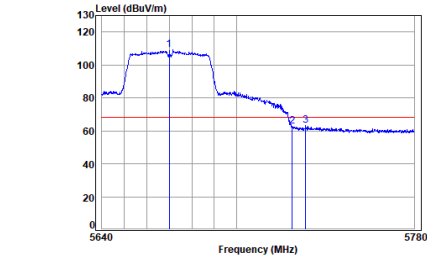


Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5510 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	Factor
1 pp	5459.622	10.60	33.10	29.86		34.20	48.04	54.00	-5.96	Average
2	5510.000	10.56	33.10	29.84		79.41	93.23	68.20	25.03	Average



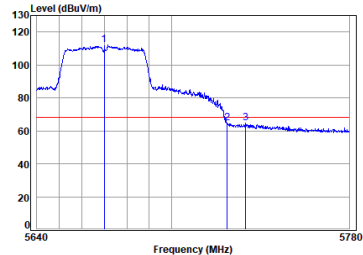
11ac_VHT(40M)_TX_CH_134_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5670 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	Factor
1	5670.000	10.52	33.52	29.79	94.84	109.09	68.20	48.89	Peak	0.00
2	5725.000	10.68	33.75	29.78	48.28	62.93	68.20	-5.27	Peak	0.00
3	5730.898	10.70	33.76	29.78	48.34	63.02	68.20	-5.18	Peak	0.00

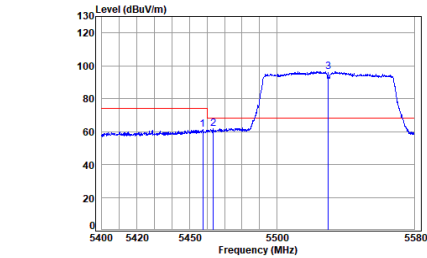
11ac_VHT(40M)_TX_CH_134_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5670 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	Factor
1	5670.000	10.52	33.52	29.79	97.84	112.09	68.20	43.89	Peak	0.00
2	5725.000	10.68	33.75	29.78	49.98	64.63	68.20	-3.57	Peak	0.00
3	5733.279	10.71	33.77	29.77	49.81	64.52	68.20	-3.68	Peak	0.00

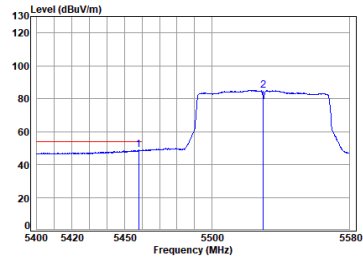
11ac_VHT(80M)_TX_CH_106_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5530 Band edge
: 5G Wi-Fi 11ac80

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	Factor
1	5457.496	10.60	33.10	29.86	47.28	61.12	74.00	-12.88	Peak	0.00
2	5463.583	10.59	33.10	29.85	48.19	62.03	68.20	-6.17	Peak	0.00
3	5530.000	10.53	33.10	29.83	82.74	96.54	68.20	28.34	Peak	0.00

11ac_VHT(80M)_TX_CH_106_Horizontal-Avg

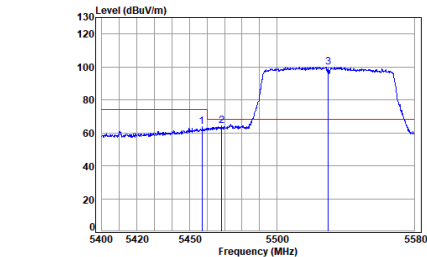


Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5530 Band edge
: 5G Wi-Fi 11ac80

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Aux
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	Factor
1	5458.033	10.60	33.10	29.86	34.92	48.76	54.00	-5.24	Average	0.00
2	5530.000	10.53	33.10	29.83	71.27	85.07	-----	-----	Average	0.00



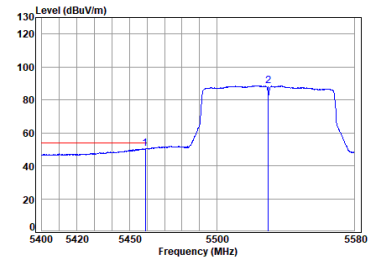
11ac_VHT(80M)_TX_CH_106_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5530 Band edge
: 5G Wi-Fi 11ac80

	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	5457.138	10.60	33.10	29.86	49.71	63.55	74.00	-10.45	Peak	0.00
2	5468.423	10.59	33.10	29.85	50.38	64.22	68.20	-3.98	Peak	0.00
3 pp	5530.000	10.53	33.10	29.83	86.27	100.07	68.20	31.87	Peak	0.00

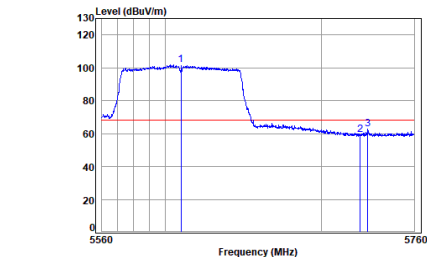
11ac_VHT(80M)_TX_CH_106_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5530 Band edge
: 5G Wi-Fi 11ac80

	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 pp	5459.107	10.60	33.10	29.86	36.71	50.55	54.00	-3.45	Average	0.00
2	5530.000	10.53	33.10	29.83	74.88	88.68	68.20	20.48	Average	0.00

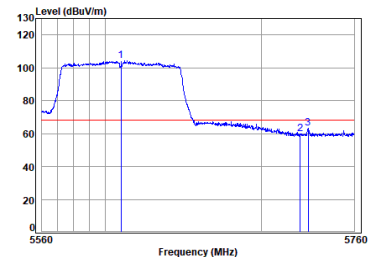
11ac_VHT(80M)_TX_CH_122_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5610 Band edge
: 5G Wi-Fi 11ac80

	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 pp	5610.000	10.43	33.40	29.81	87.74	101.76	68.20	33.56	Peak	0.00
2	5725.000	10.68	33.75	29.78	44.59	59.24	68.20	-8.96	Peak	0.00
3	5729.758	10.70	33.76	29.78	48.23	62.91	68.20	-5.29	Peak	0.00

11ac_VHT(80M)_TX_CH_122_Vertical-Peak

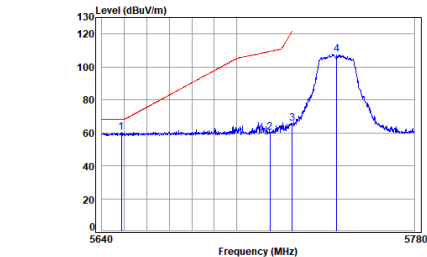


Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5610 Band edge
: 5G Wi-Fi 11ac80

	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 pp	5610.000	10.43	33.40	29.81	90.21	104.23	68.20	36.03	Peak	0.00
2	5725.000	10.68	33.75	29.78	45.15	59.80	68.20	-8.40	Peak	0.00
3	5730.155	10.70	33.76	29.78	48.61	63.29	68.20	-4.91	Peak	0.00



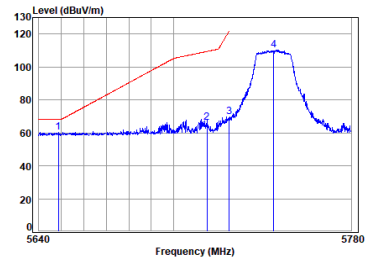
11a_TX_CH_149_Horizontal



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5745 Band edge
: 5.86 Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5648.581	10.48	33.40	29.80	46.15	60.23	68.20	-7.97	Peak		0.00
2	5715.000	10.63	33.73	29.78	45.88	60.46	109.40	-48.94	Peak		0.00
3	5725.000	10.68	33.75	29.78	51.09	65.74	122.20	-56.46	Peak		0.00
4	5745.000	10.77	33.79	29.77	92.90	107.69	-----	-----	Peak		0.00

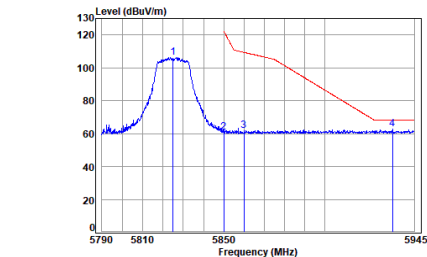
11a_TX_CH_149_Vertical



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5745 Band edge
: 5.86 Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5648.581	10.48	33.40	29.80	46.17	60.25	68.20	-7.95	Peak		0.00
2	5715.000	10.63	33.73	29.78	51.79	66.37	109.40	-43.03	Peak		0.00
3	5725.000	10.68	33.75	29.78	55.05	69.70	122.20	-52.50	Peak		0.00
4	5745.000	10.77	33.79	29.77	95.42	110.21	-----	-----	Peak		0.00

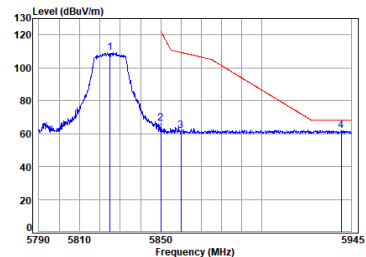
11a_TX_CH_165_Horizontal



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5825 Band edge
: 5.86 Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5825.000	10.99	34.10	29.75	90.94	106.28	-----	-----	Peak		0.00
2	5850.000	10.95	34.20	29.74	45.28	60.69	122.20	-61.51	Peak		0.00
3	5860.000	10.94	34.22	29.74	46.33	61.75	109.40	-47.65	Peak		0.00
4	5934.173	10.86	34.23	29.72	47.40	62.77	68.20	-5.43	Peak		0.00

11a_TX_CH_165_Vertical

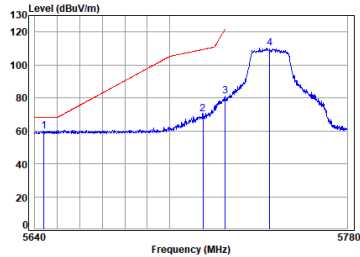


Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5825 Band edge
: 5.86 Wi-Fi 11a

	Freq	Cable Loss	Factor	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5825.000	10.99	34.10	29.75	93.85	109.19	-----	-----	Peak		0.00
2	5850.000	10.95	34.20	29.74	50.61	66.02	122.20	-56.18	Peak		0.00
3	5860.000	10.94	34.22	29.74	46.36	61.78	109.40	-47.62	Peak		0.00
4	5939.976	10.86	34.22	29.72	46.66	62.02	68.20	-6.18	Peak		0.00



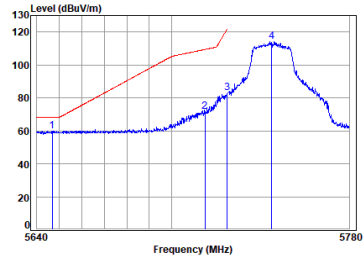
11ac_VHT(20M)_TX_CH_149_Horizontal



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5745 Band edge
: 5.86 Wi-Fi 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	5644.012	10.48	33.40	29.80	45.86	59.94	68.20	-8.26	Peak	0.00
2	5715.000	10.63	33.73	29.78	55.67	70.25	109.40	-39.15	Peak	0.00
3	5725.000	10.68	33.75	29.78	66.33	80.98	122.20	-41.22	Peak	0.00
4	5745.000	10.77	33.79	29.77	95.23	110.02	-----	-----	Peak	0.00

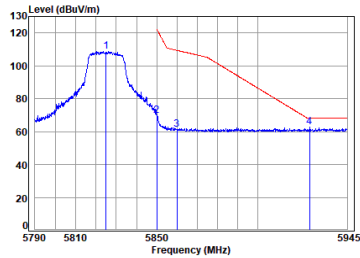
11ac_VHT(20M)_TX_CH_149_Vertical



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5745 Band edge
: 5.86 Wi-Fi 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	5646.780	10.48	33.40	29.80	45.95	60.03	68.20	-8.17	Peak	0.00
2	5715.000	10.63	33.73	29.78	57.00	71.58	109.40	-37.82	Peak	0.00
3	5725.000	10.68	33.75	29.78	68.52	83.17	122.20	-39.03	Peak	0.00
4	5745.000	10.77	33.79	29.77	99.31	114.10	-----	-----	Peak	0.00

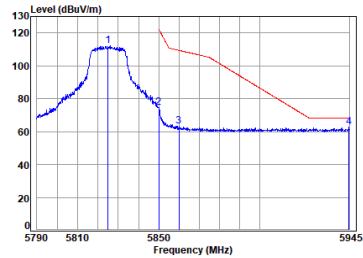
11ac_VHT(20M)_TX_CH_165_Horizontal



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5825 Band edge
: 5.86 Wi-Fi 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	5825.000	10.99	34.10	29.75	93.57	108.91	-----	-----	Peak	0.00
2	5850.000	10.95	34.20	29.74	54.24	69.65	122.20	-52.55	Peak	0.00
3	5860.000	10.94	34.22	29.74	46.03	61.45	109.40	-47.95	Peak	0.00
4	5926.026	10.87	34.25	29.72	47.21	62.61	68.20	-5.59	Peak	0.00

11ac_VHT(20M)_TX_CH_165_Vertical

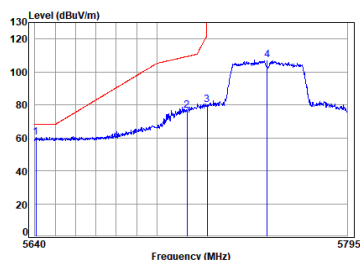


Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5825 Band edge
: 5.86 Wi-Fi 11ac20

	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	5825.000	10.99	34.10	29.75	96.95	112.29	-----	-----	Peak	0.00
2	5850.000	10.95	34.20	29.74	59.11	74.52	122.20	-47.68	Peak	0.00
3	5860.000	10.94	34.22	29.74	47.84	63.26	109.40	-46.14	Peak	0.00
4	5944.843	10.85	34.21	29.72	47.54	62.88	68.20	-5.32	Peak	0.00



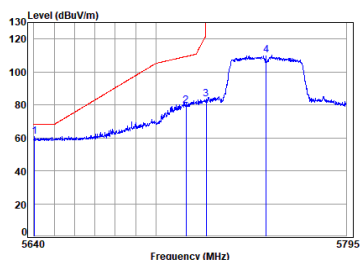
11ac_VHT(40M)_TX_CH_151_Horizontal



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5755 Band edge
: 5.86 Wi-Fi 11ac40

	Freq	Loss	Factor	Ant	Preamp	Read	Level	Limit	Over	Aux
	MHz	dB	dB/m	Factor	Factor	Level	dBuV/m	dBuV/m	Limit	Factor
1	5640.612	10.47	33.40	29.80	46.33	60.40	68.20	-7.80	Peak	0.00
2	5715.000	10.63	33.73	29.78	61.89	76.47	109.40	-32.93	Peak	0.00
3	5725.000	10.68	33.75	29.78	65.66	80.31	122.20	-41.89	Peak	0.00
4	5755.000	10.81	33.82	29.77	92.30	107.16	-----	-----	Peak	0.00

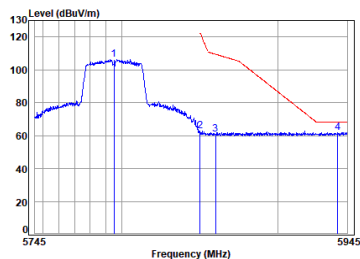
11ac_VHT(40M)_TX_CH_151_Vertical



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5755 Band edge
: 5.86 Wi-Fi 11ac40

	Freq	Loss	Factor	Ant	Preamp	Read	Level	Limit	Over	Aux
	MHz	dB	dB/m	Factor	Factor	Level	dBuV/m	dBuV/m	Limit	Factor
1	5640.306	10.47	33.40	29.80	46.57	60.64	68.20	-7.56	Peak	0.00
2	5715.000	10.63	33.73	29.78	64.83	79.41	109.40	-29.99	Peak	0.00
3	5725.000	10.68	33.75	29.78	69.02	83.67	122.20	-36.53	Peak	0.00
4	5755.000	10.81	33.82	29.77	95.51	110.37	-----	-----	Peak	0.00

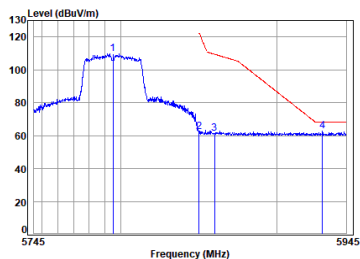
11ac_VHT(40M)_TX_CH_159_Horizontal



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5795 Band edge
: 5.86 Wi-Fi 11ac40

	Freq	Loss	Factor	Ant	Preamp	Read	Level	Limit	Over	Aux
	MHz	dB	dB/m	Factor	Factor	Level	dBuV/m	dBuV/m	Limit	Factor
1	5795.000	11.00	33.98	29.76	91.00	106.22	-----	-----	Peak	0.00
2	5850.000	10.95	34.20	29.74	47.14	62.55	122.20	-59.65	Peak	0.00
3	5860.000	10.94	34.22	29.74	45.57	60.99	109.40	-48.41	Peak	0.00
4	5938.697	10.86	34.22	29.72	46.51	61.87	68.20	-6.33	Peak	0.00

11ac_VHT(40M)_TX_CH_159_Vertical

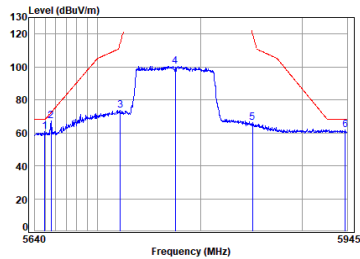


Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5795 Band edge
: 5.86 Wi-Fi 11ac40

	Freq	Loss	Factor	Ant	Preamp	Read	Level	Limit	Over	Aux
	MHz	dB	dB/m	Factor	Factor	Level	dBuV/m	dBuV/m	Limit	Factor
1	5795.000	11.00	33.98	29.76	94.75	109.97	-----	-----	Peak	0.00
2	5850.000	10.95	34.20	29.74	46.89	62.30	122.20	-59.90	Peak	0.00
3	5860.000	10.94	34.22	29.74	46.01	61.43	109.40	-47.97	Peak	0.00
4	5929.559	10.87	34.24	29.72	47.40	62.79	68.20	-5.41	Peak	0.00



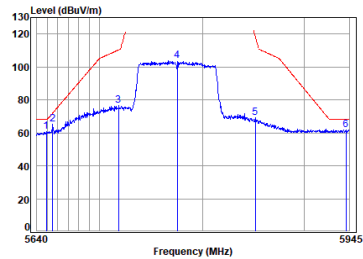
11ac_VHT(80M)_TX_CH_155_Horizontal



Condition: 3m HORIZONTAL
Job No : 00370AT/00371AT
Mode : 5775 Band edge
: 5.06 W-Fi 11ac80

	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	5649.513	10.48	33.40	29.80	46.48	60.56	68.20	-7.64	Peak		0.00
2	5655.467	10.49	33.43	29.80	53.00	67.12	72.26	-5.14	Peak		0.00
3	5721.677	10.66	33.74	29.78	59.27	73.09	114.62	-40.73	Peak		0.00
4	5775.000	10.91	33.90	29.76	85.42	100.47	-----	-----	Peak		0.00
5	5850.883	10.95	34.20	29.74	58.80	66.21	120.19	-53.98	Peak		0.00
6	5943.122	10.86	34.21	29.72	46.31	61.66	68.20	-6.54	Peak		0.00

11ac_VHT(80M)_TX_CH_155_Vertical



Condition: 3m VERTICAL
Job No : 00370AT/00371AT
Mode : 5775 Band edge
: 5.06 W-Fi 11ac80

	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	5649.216	10.48	33.40	29.80	46.77	60.85	68.20	-7.35	Peak		0.00
2	5655.169	10.49	33.43	29.80	51.00	65.12	72.04	-6.92	Peak		0.00
3	5718.364	10.65	33.74	29.78	61.81	76.42	110.34	-35.92	Peak		0.00
4	5775.000	10.91	33.90	29.76	88.94	103.99	-----	-----	Peak		0.00
5	5851.500	10.95	34.20	29.74	53.87	69.28	118.78	-49.50	Peak		0.00
6	5941.870	10.86	34.22	29.72	46.41	61.77	68.20	-6.43	Peak		0.00



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

SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260100037006

Page: 67 of 242

7.5 Duty Cycle

Test Requirement: ANSI C63.10 (2020) Section 12.2
 Test Method: ANSI C63.10 (2020) Section 12.2
 Test Engineer: Mingli Hu

7.5.1 E.U.T. Operation

Operating Environment:
 Temperature: 25.5 °C Humidity: 66.8 % RH Atmospheric Pressure: 1020 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	09	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	10	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	11	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	12	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	14	Charge + TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	15	Charge + TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	16	Charge + TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of



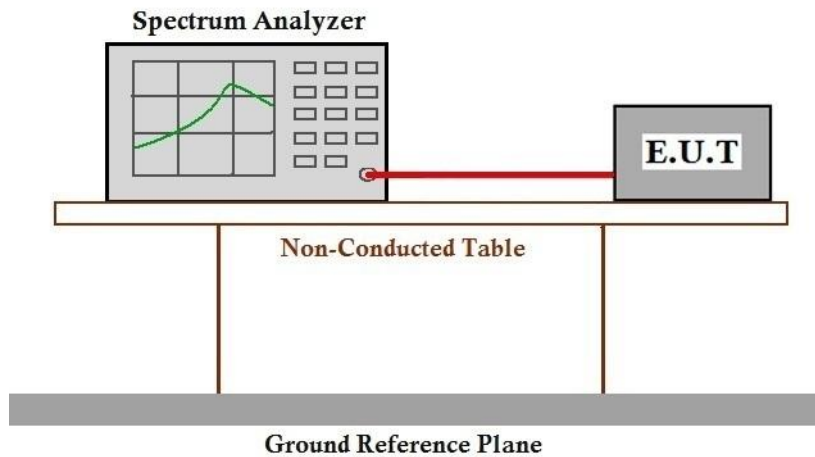
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		worst case is recorded in the report.
Final test	17	Charge + TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.

7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

Please Refer to Appendix for Details

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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260100037006

Page: 69 of 242

7.6 99% Bandwidth

Test Requirement ANSI C63.10 (2020) Section 12.5.3
Test Method: ANSI C63.10 (2020) Section 12.5.3
Test Engineer: Mingli Hu

7.6.1 E.U.T. Operation

Operating Environment:
Temperature: 25.5 °C Humidity: 66.8 % RH Atmospheric Pressure: 1020 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	09	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	10	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	11	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	12	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	14	Charge + TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	15	Charge + TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	16	Charge + TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of



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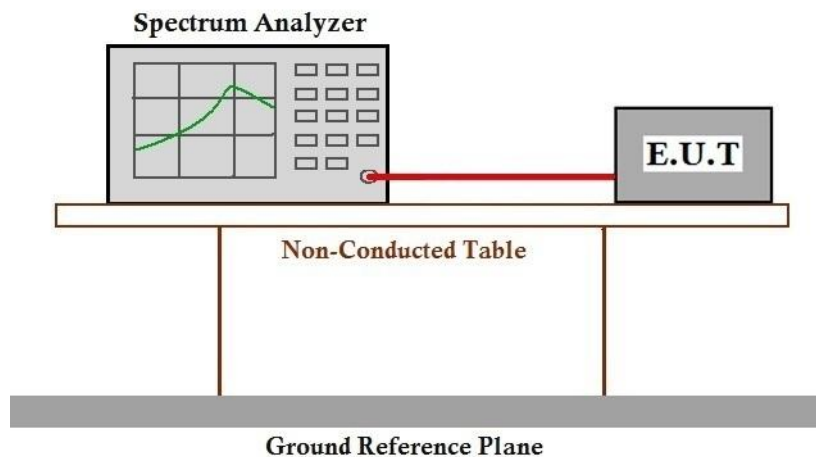
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		worst case is recorded in the report.
Final test	17	Charge + TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.

7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

Please Refer to Appendix for Details

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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260100037006

Page: 71 of 242

7.7 26dB Emission Bandwidth

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

Test Method: ANSI C63.10 (2020) Section 12.5.2

Test Engineer: Mingli Hu

7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 25.5 °C

Humidity: 66.8 % RH

Atmospheric Pressure: 1020 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	09	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	10	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	11	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	12	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	14	Charge + TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	15	Charge + TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	16	Charge + TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of



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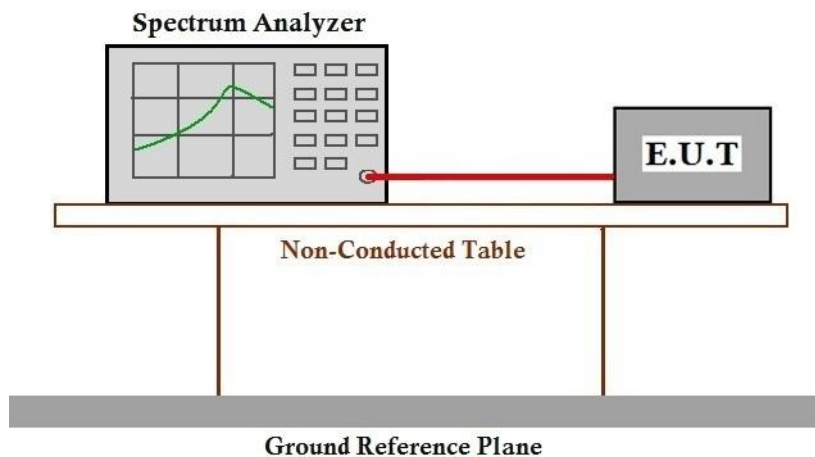
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		worst case is recorded in the report.
Final test	17	Charge + TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.

7.7.3 Test Setup Diagram



7.7.4 Measurement Procedure and Data

Please Refer to Appendix for Details

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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260100037006

Page: 73 of 242

7.8 Minimum 6 dB Bandwidth (5.725-5.85 GHz band)

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

Test Method: ANSI C63.10 (2020) Section 12.5.1

Test Engineer: Mingli Hu

Limit:

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

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 25.5 °C

Humidity: 66.8 % RH

Atmospheric Pressure: 1020 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	12	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	17	Charge + TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.



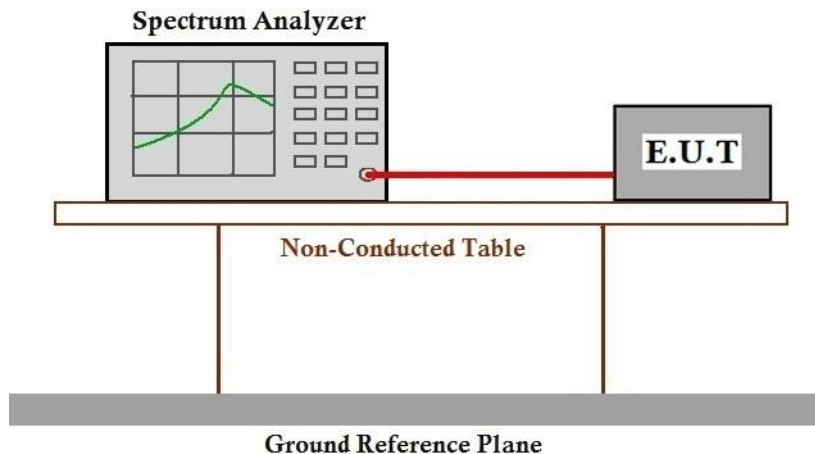
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7.8.3 Test Setup Diagram



7.8.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.9 Maximum Conducted Output Power

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

Test Method: ANSI C63.10 (2020) Section 12.4

Test Engineer: Mingli Hu

Limit:

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

7.9.1 E.U.T. Operation

Operating Environment:

Temperature: 25.5 °C Humidity: 66.8 % RH Atmospheric Pressure: 1020 mbar

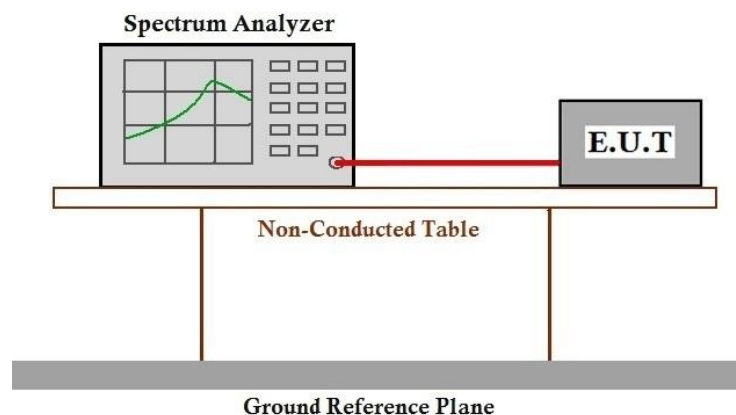
7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	09	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	10	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	11	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.



Pre-scan	12	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	14	Charge + TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	15	Charge + TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	16	Charge + TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	17	Charge + TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.

7.9.3 Test Setup Diagram



7.9.4 Measurement Procedure and Data

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

AV Output power Level = Reading level +Cable loss + DCCF

Please Refer to Appendix for Details

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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260100037006

Page: 77 of 242

7.10 Power Spectral Density

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

Test Method: ANSI C63.10 (2020) Section 12.6

Test Engineer: Mingli Hu

Limit:

Frequency band(MHz)	Limit
5150-5250	≤17dBm in 1MHz for master device
	≤11dBm in 1MHz for client device
5250-5350	≤11dBm in 1MHz for client device
5470-5725	≤11dBm in 1MHz for client device
5725-5850	≤30dBm in 500 kHz
Remark:	The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test.

7.10.1 E.U.T. Operation

Operating Environment:

Temperature: 25.5 °C

Humidity: 66.8 % RH

Atmospheric Pressure: 1020 mbar

7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	09	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	10	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	11	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	12	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.



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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260100037006

Page: 78 of 242

		recorded in the report.
Final test	14	Charge + TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	15	Charge + TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	16	Charge + TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	17	Charge + TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.



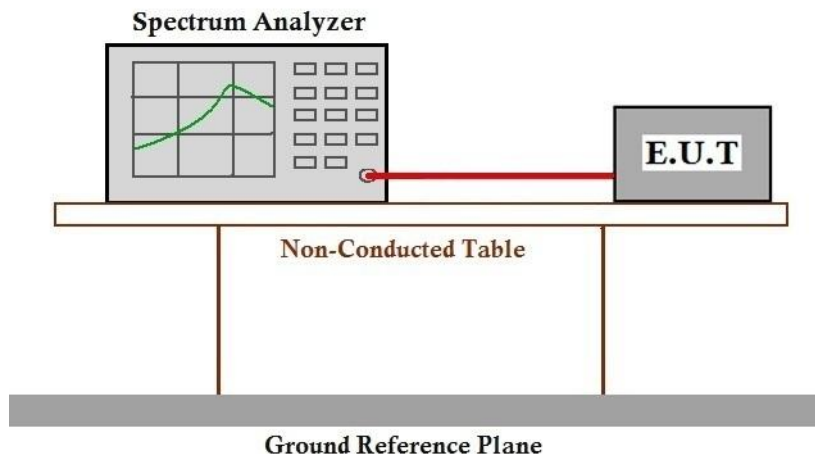
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7.10.3 Test Setup Diagram



7.10.4 Measurement Procedure and Data

RBW conversion factor from 300kHz to 500kHz (2.22dB) for UNII Band 3 has been considered.

Please Refer to Appendix for Details



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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260100037006

Page: 80 of 242

7.11 Frequency Stability

Test Requirement 47 CFR Part 15, Subpart E 15.407 (g)
Test Method: ANSI C63.10 (2020) Section 6.8
Test Engineer: Mingli Hu

7.11.1 E.U.T. Operation

Operating Environment:
Temperature: 25.5 °C Humidity: 66.8 % RH Atmospheric Pressure: 1020 mbar

7.11.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	09	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	10	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	11	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	12	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	14	Charge + TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	15	Charge + TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	16	Charge + TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of



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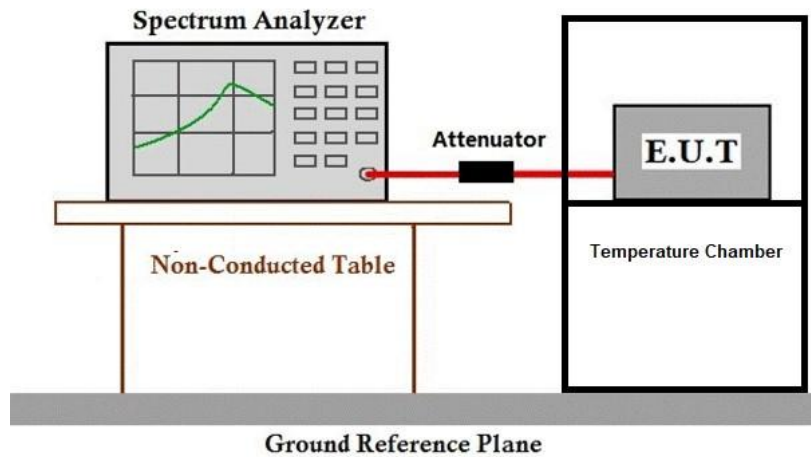
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		worst case is recorded in the report.
Final test	17	Charge + TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.

7.11.3 Test Setup Diagram



7.11.4 Measurement Procedure and Data

Please Refer to Appendix for Details



7.12 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.

7.12.1 E.U.T. Operation

Operating Environment:

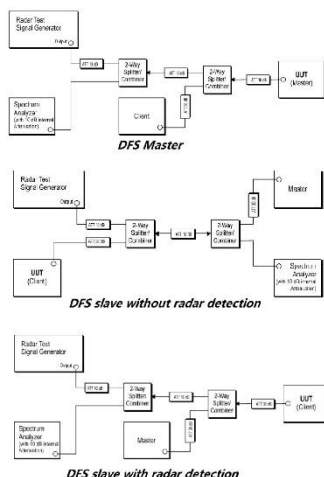
Temperature: 22.1 °C Humidity: 50.5 % RH Atmospheric Pressure: 1020 mbar



7.12.2 Test Mode Description

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

7.12.3 Test Setup Diagram



7.12.4 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



7.13 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.

7.13.1 E.U.T. Operation

Operating Environment:

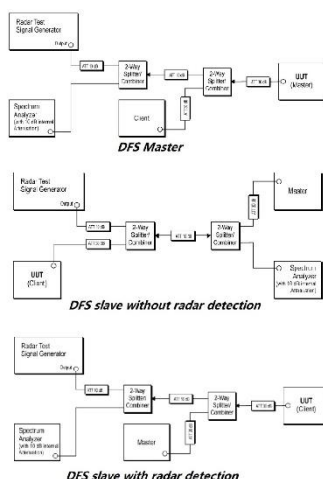
Temperature: 22.1 °C Humidity: 50.0 % RH Atmospheric Pressure: 1020 mbar



7.13.2 Test Mode Description

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

7.13.3 Test Setup Diagram



7.13.4 Measurement Procedure and Data

- 1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
- 2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.
- 3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
- 4) EUT will associate with the master at channel. The file "iperf.exe" specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.
- 5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.
- 6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
- 7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: $Dwell (0.3ms) = S (12000ms) / B (4000)$; where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: $C (ms) = N \times Dwell (0.3ms)$; 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



7.14 Transmitter Power Control

Test Requirement 47 CFR Part 15, Subpart E 15.407 (h)(1)
 Test Method: ANSI C63.10 (2020) Section 12.4
 Test Engineer: Mingli Hu

Limit:

Able to lower EIRP below 24dBm when Max_EIRP $\geq$ 500 mW (27 dBm).

7.14.1 E.U.T. Operation

Operating Environment:

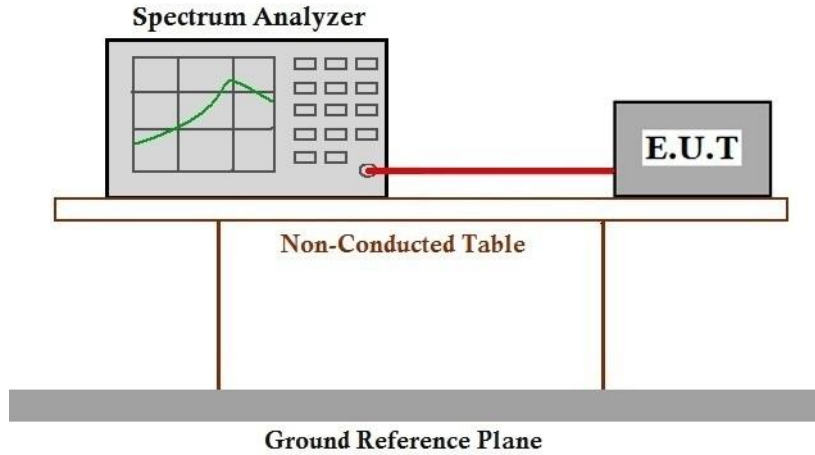
Temperature: 25.5 °C Humidity: 66.8 % RH Atmospheric Pressure: 1020 mbar

7.14.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	10	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Pre-scan	11	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	15	Charge + TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	16	Charge + TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types and being charged. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.



7.14.3 Test Setup Diagram



7.14.4 Measurement Procedure and Data

Please Refer to Appendix for Details

8 Test Setup Photo

Refer to Setup Photo for SZCR2601000370AT

9 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for SZCR2601000370AT



10 Appendix

1. Duty Cycle

1.1 Test Result

1.1.1 Ant1

Ant1							
Mode	Tx Type	Frequency (MHz)	T _{on} (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	2.029	2.125	95.48	0.20	0.13
		5200	2.030	2.125	95.53	0.20	0.13
		5240	2.030	2.125	95.53	0.20	0.17
		5260	2.030	2.125	95.53	0.20	0.20
		5300	2.030	2.127	95.44	0.20	0.16
		5320	2.031	2.126	95.53	0.20	0.16
		5500	2.030	2.125	95.53	0.20	0.10
		5580	2.030	2.130	95.31	0.21	0.20
		5700	2.030	2.124	95.57	0.20	0.07
		5745	2.030	2.128	95.39	0.20	0.20
		5785	2.030	2.126	95.48	0.20	0.17
		5825	2.030	2.128	95.39	0.20	0.20
802.11n (HT20)	SISO	5180	1.704	1.800	94.67	0.24	0.45
		5200	1.706	1.803	94.62	0.24	0.54
		5240	1.704	1.805	94.40	0.25	0.73
		5260	1.705	1.801	94.67	0.24	0.48
		5300	1.704	1.801	94.61	0.24	0.50
		5320	1.705	1.802	94.62	0.24	0.48
		5500	1.705	1.800	94.72	0.24	0.41
		5580	1.704	1.801	94.61	0.24	0.51
		5700	1.705	1.806	94.41	0.25	0.74
		5745	1.705	1.800	94.72	0.24	0.40
		5785	1.704	1.802	94.56	0.24	0.60
		5825	1.705	1.801	94.67	0.24	0.47
802.11n (HT40)	SISO	5190	0.840	0.875	96.00	0.18	0.03
		5230	0.841	0.875	96.11	0.17	0.03
		5270	0.841	0.875	96.11	0.17	0.03
		5310	0.840	0.875	96.00	0.18	0.03



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Report No.: SZCR260100037006

Page: 92 of 242

		5510	0.839	0.874	96.00	0.18	0.00
		5550	0.840	0.875	96.00	0.18	0.07
		5670	0.840	0.875	96.00	0.18	0.03
		5755	0.839	0.875	95.89	0.18	0.03
		5795	0.840	0.875	96.00	0.18	0.00
802.11ac (VHT20)	SISO	5180	1.705	1.740	97.99	0.09	0.03
		5200	1.705	1.739	98.04	0.09	0.00
		5240	1.705	1.740	97.99	0.09	0.03
		5260	1.705	1.739	98.04	0.09	0.03
		5300	1.705	1.740	97.99	0.09	0.03
		5320	1.705	1.740	97.99	0.09	0.03
		5500	1.705	1.739	98.04	0.09	0.03
		5580	1.704	1.739	97.99	0.09	0.03
		5700	1.705	1.740	97.99	0.09	0.03
		5745	1.705	1.739	98.04	0.09	0.00
		5785	1.705	1.740	97.99	0.09	0.03
		5825	1.705	1.739	98.04	0.09	0.00
802.11ac (VHT40)	SISO	5190	0.840	0.874	96.11	0.17	0.00
		5230	0.840	0.875	96.00	0.18	0.03
		5270	0.841	0.876	96.00	0.18	0.03
		5310	0.840	0.876	95.89	0.18	0.07
		5510	0.840	0.875	96.00	0.18	0.03
		5550	0.840	0.875	96.00	0.18	0.00
		5670	0.840	0.875	96.00	0.18	0.07
		5755	0.840	0.875	96.00	0.18	0.03
		5795	0.840	0.875	96.00	0.18	0.03
802.11ac (VHT80)	SISO	5210	0.415	0.450	92.22	0.35	0.04
		5290	0.416	0.450	92.44	0.34	0.04
		5530	0.415	0.450	92.22	0.35	0.04
		5610	0.417	0.451	92.46	0.34	0.07
		5775	0.415	0.450	92.22	0.35	0.07



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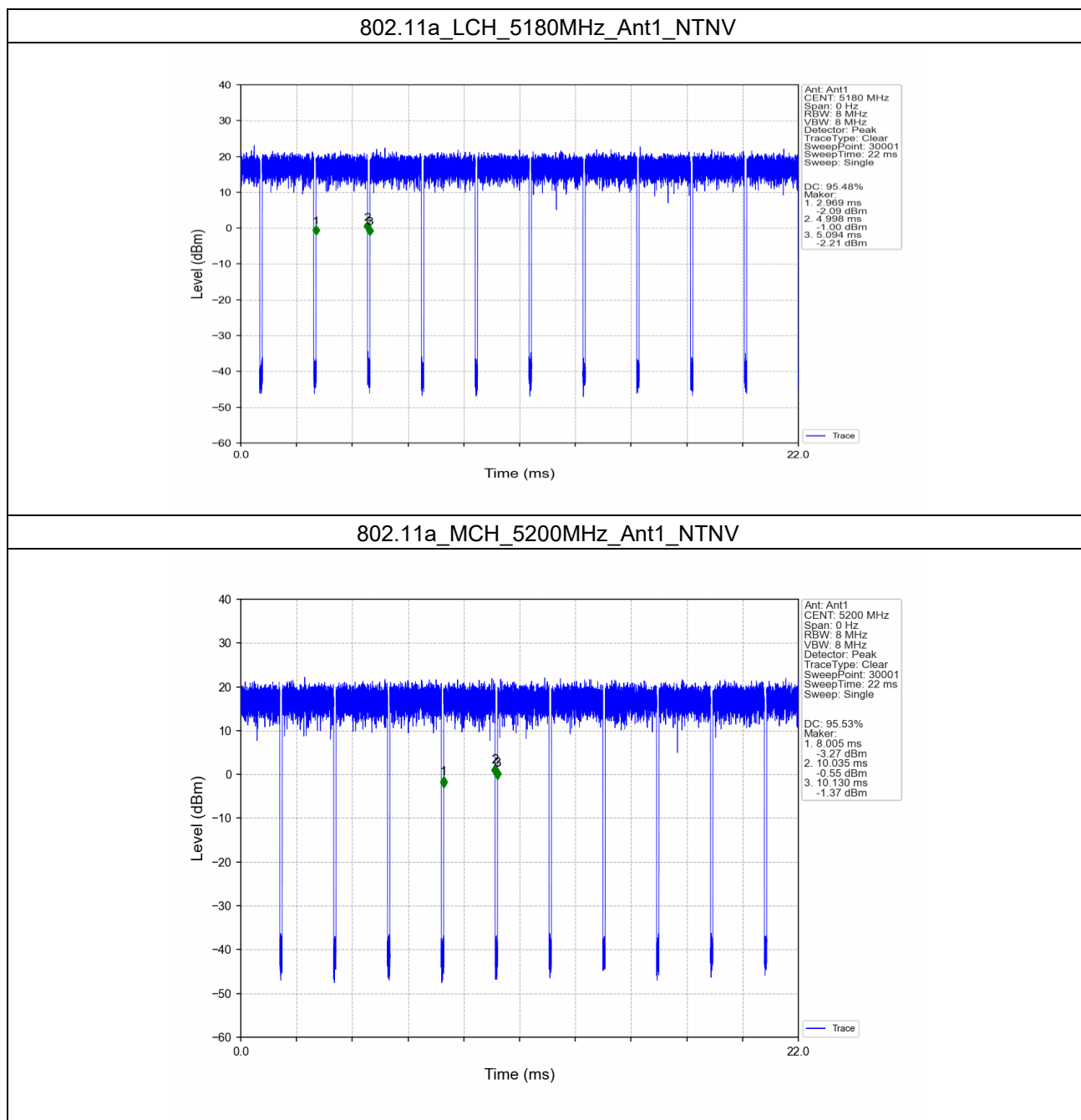
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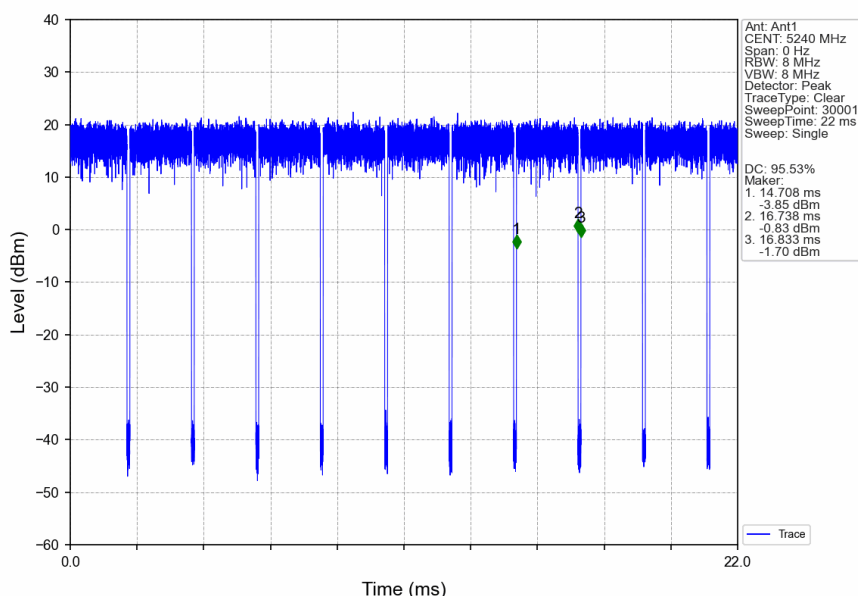
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1.2 Test Graph

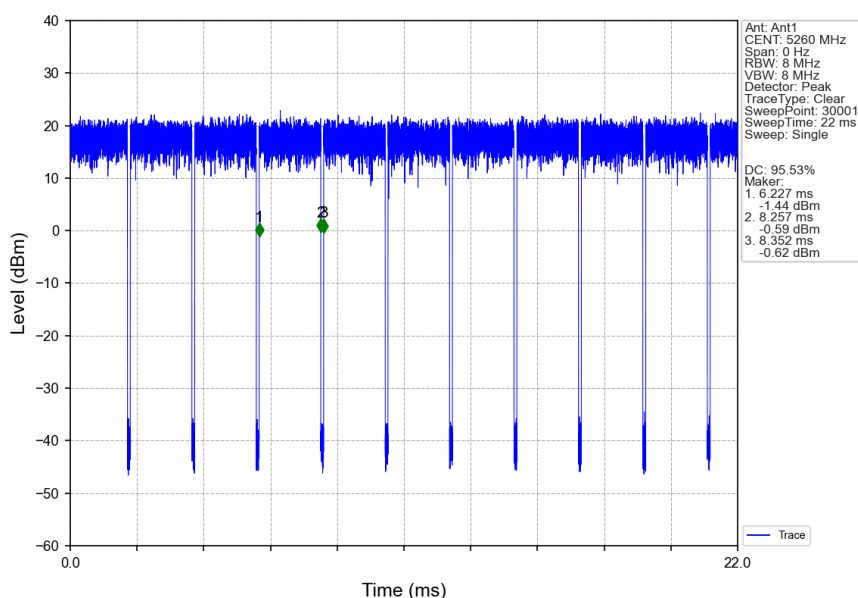
1.2.1 Ant1



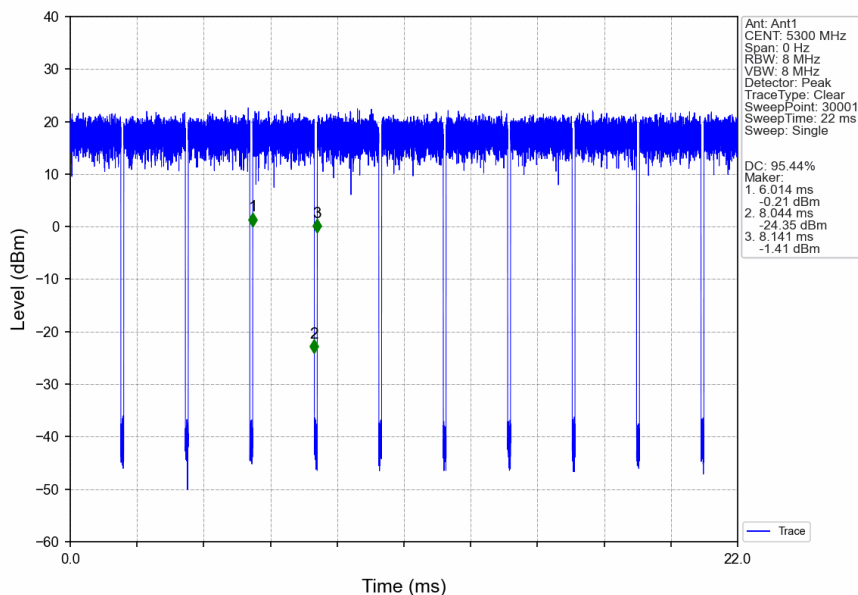
802.11a_HCH_5240MHz_Ant1_NTNV



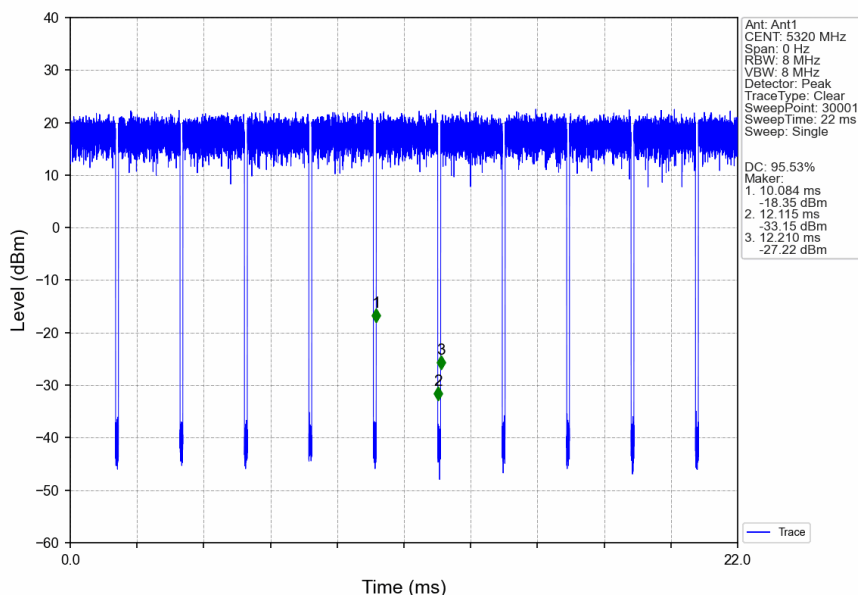
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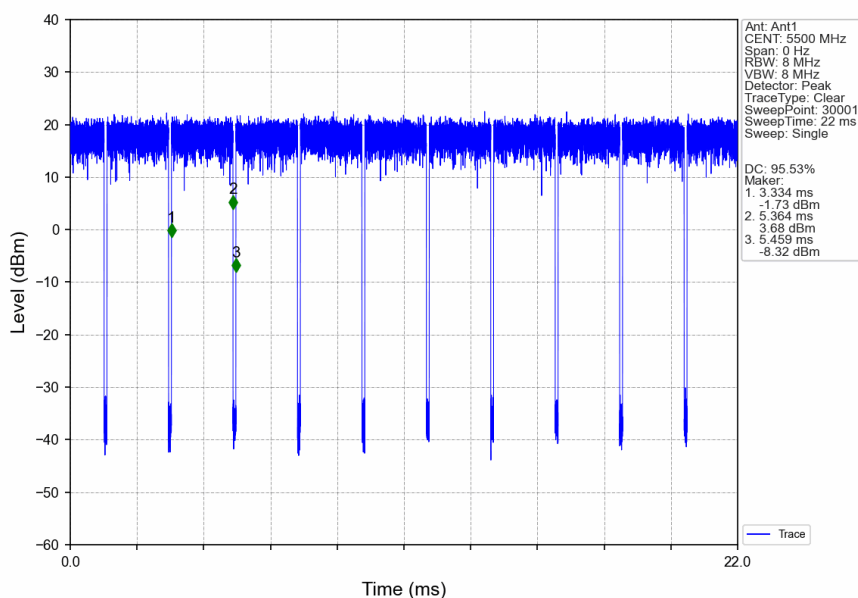
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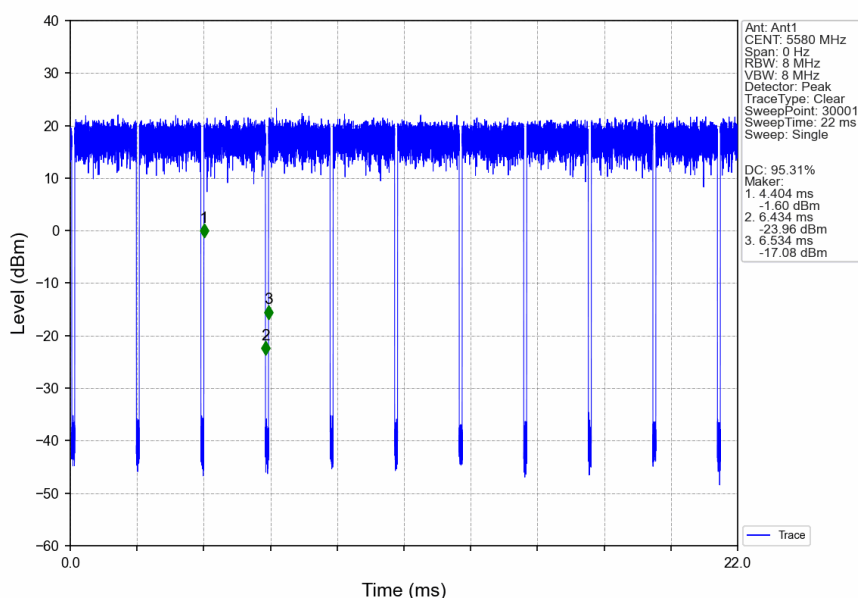
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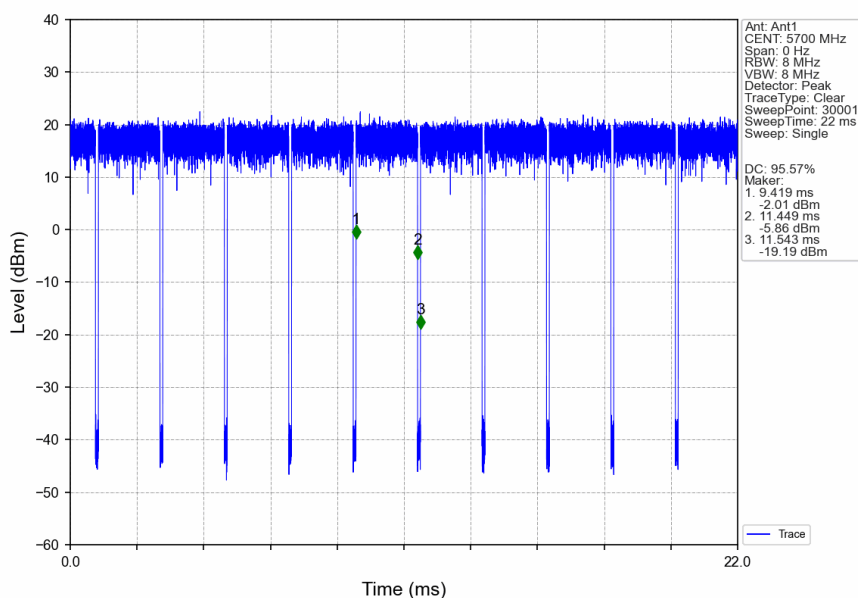
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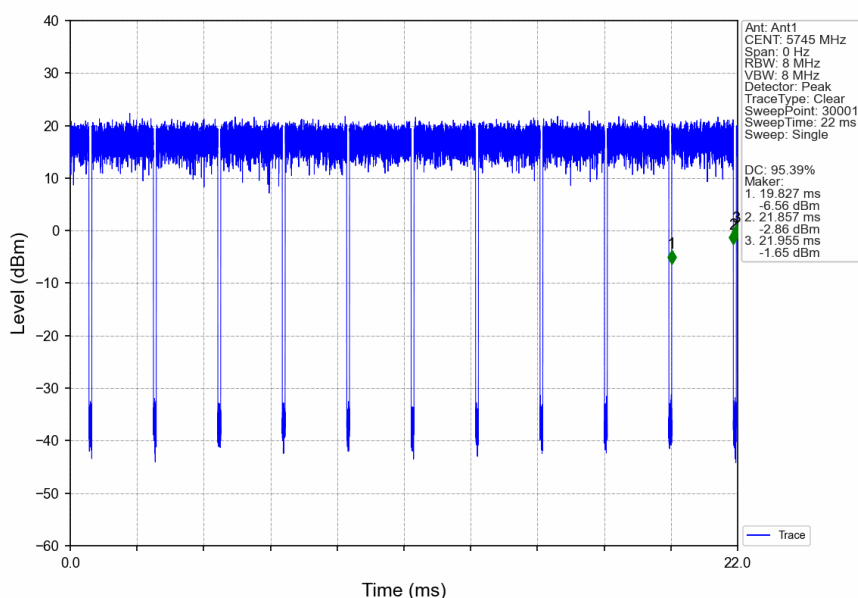
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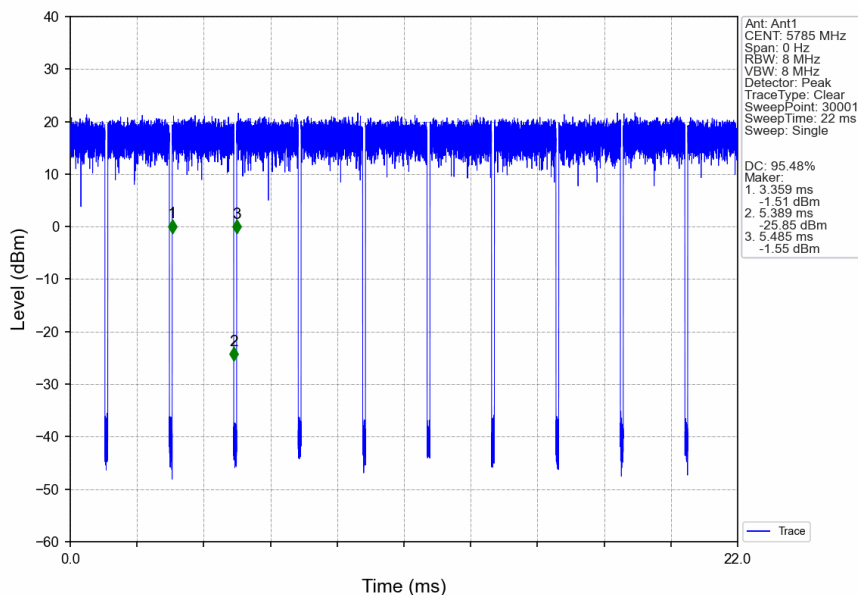
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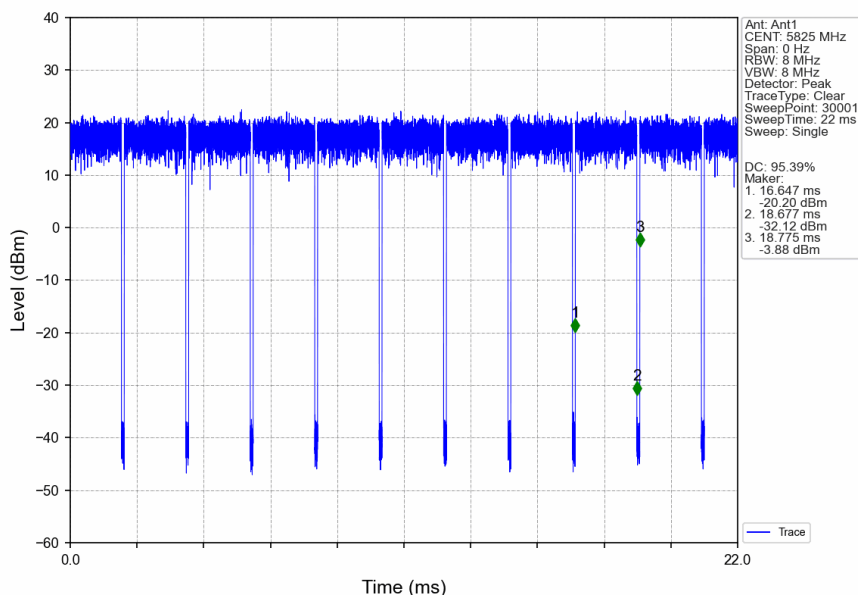
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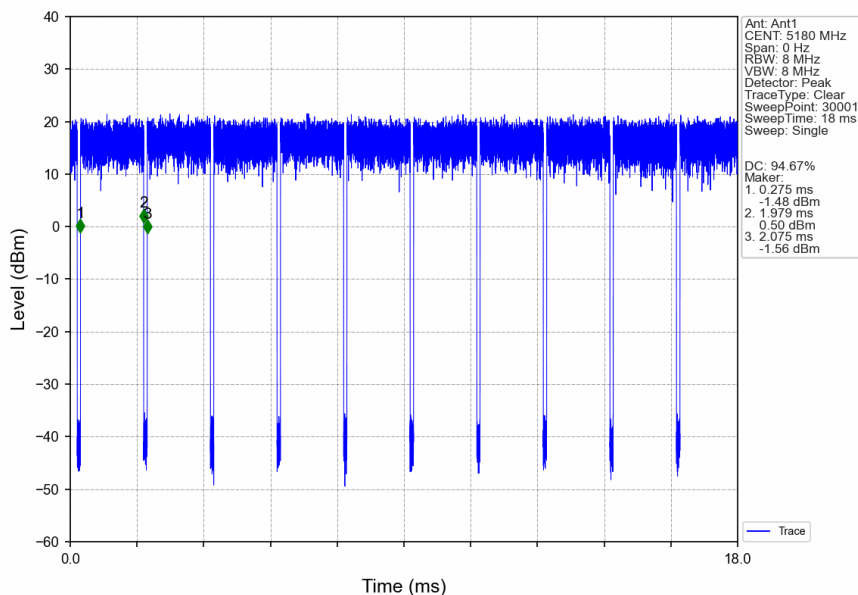
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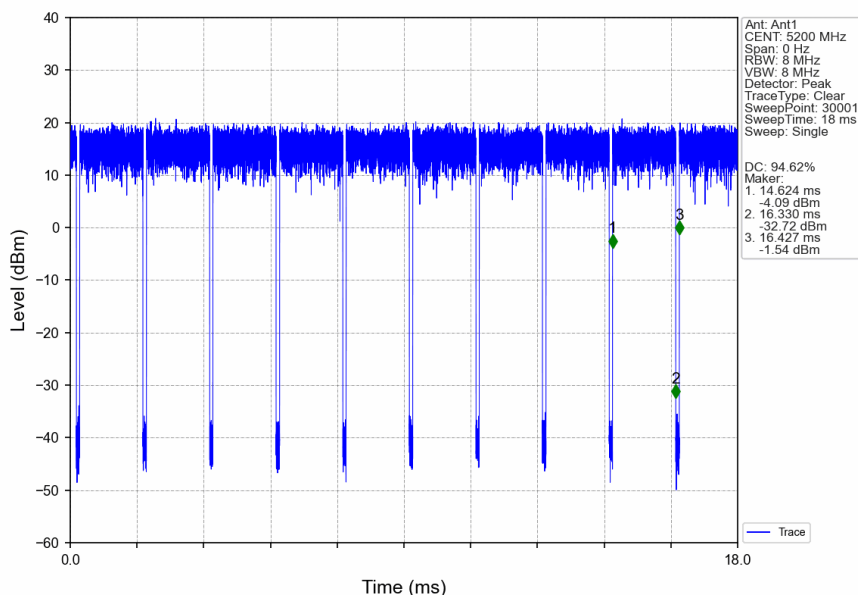
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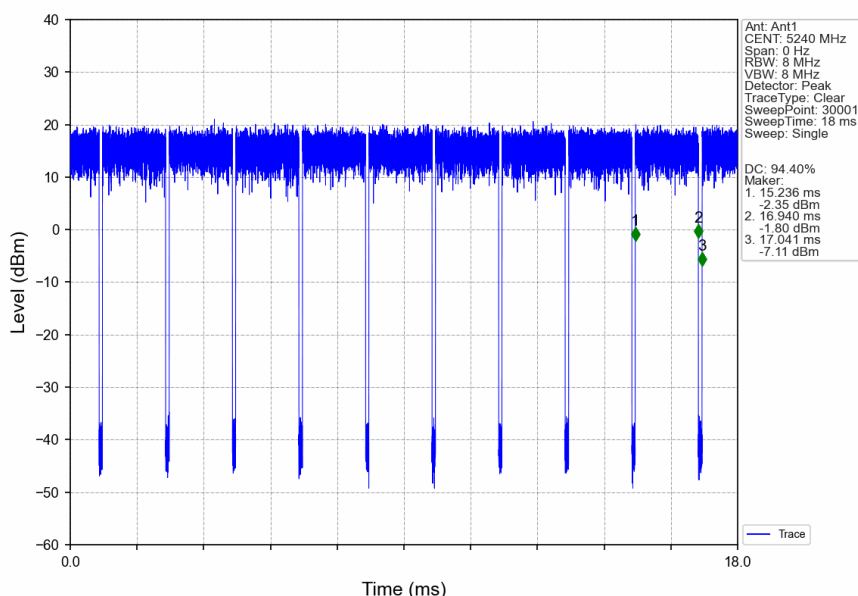
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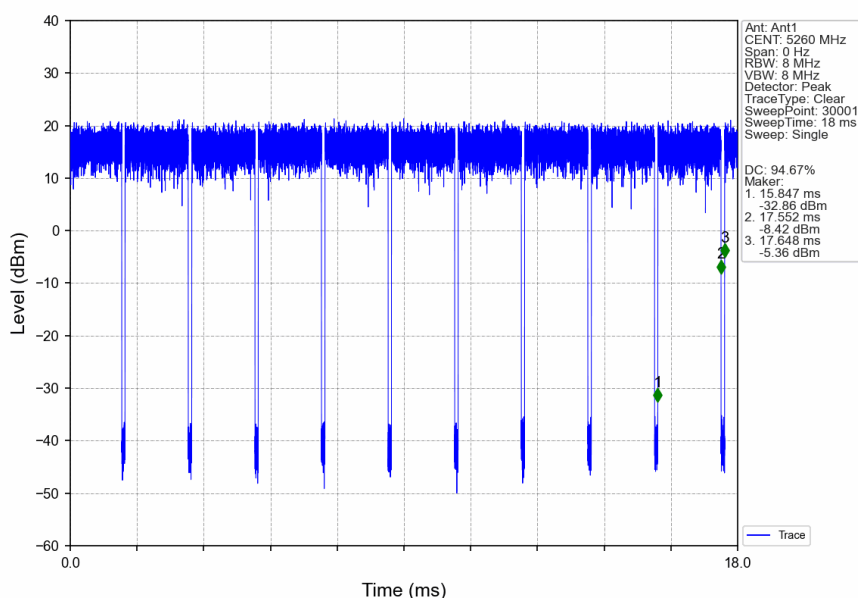
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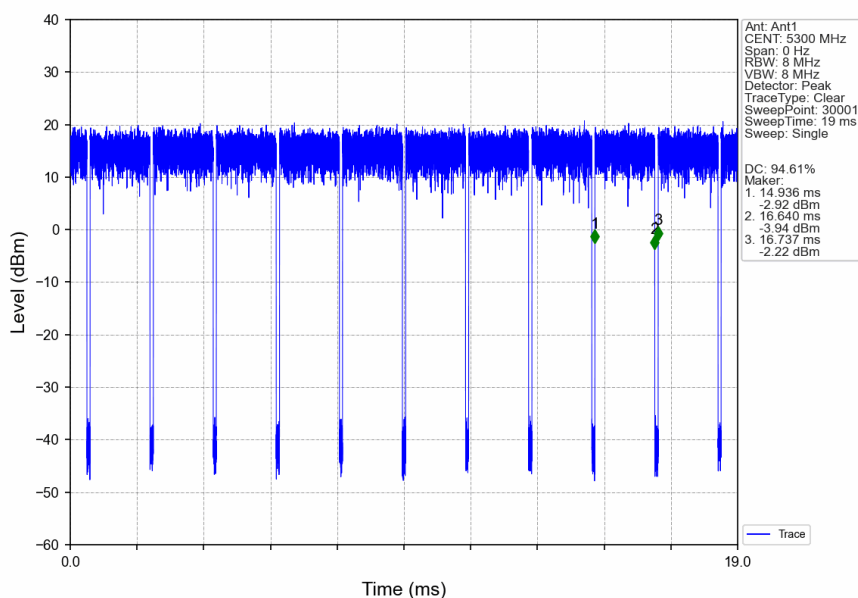
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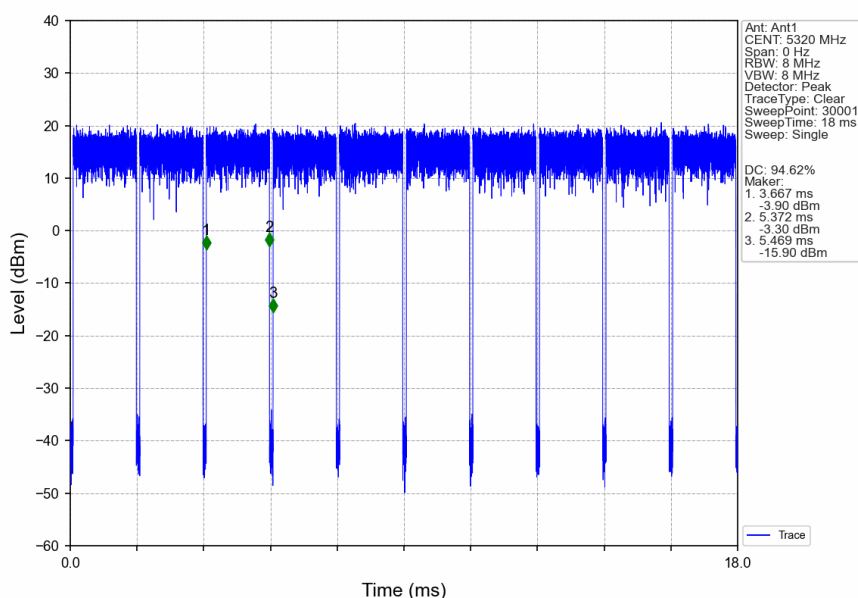
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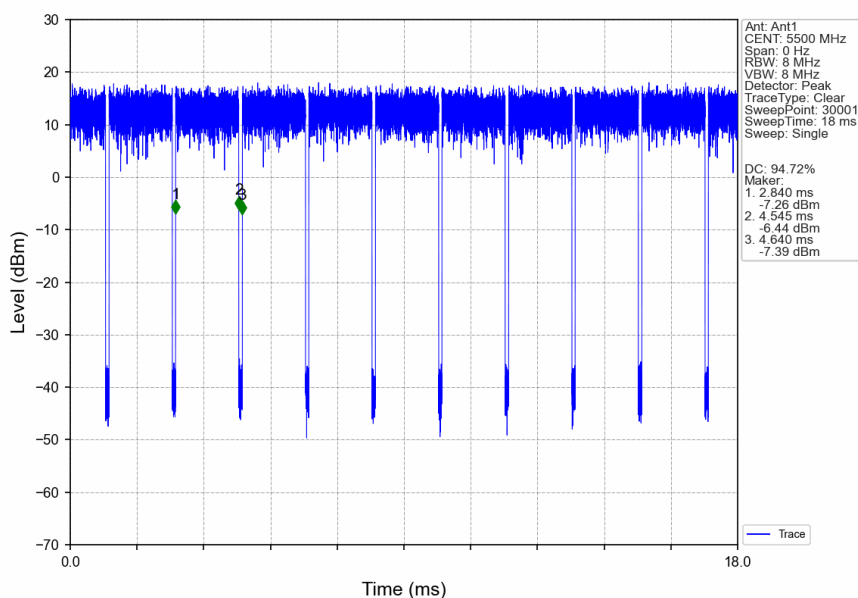
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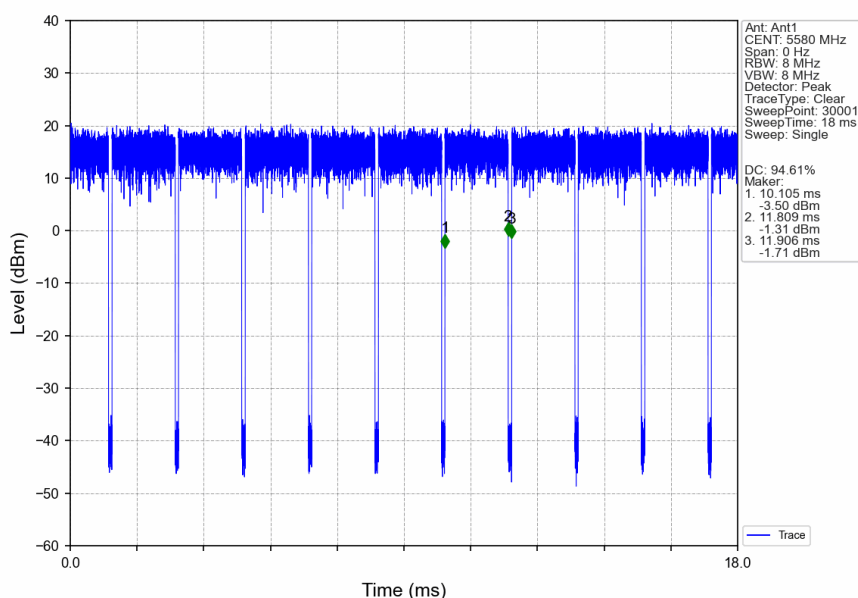
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802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



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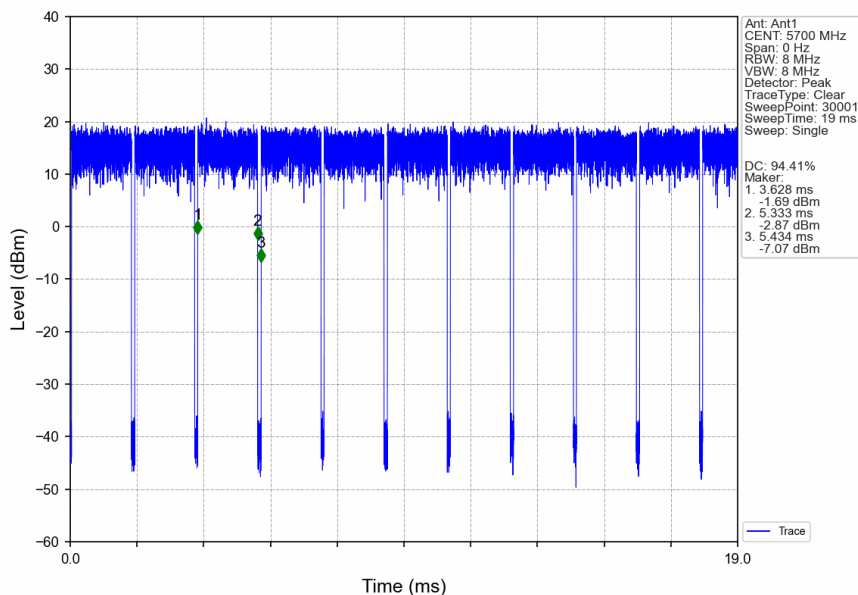
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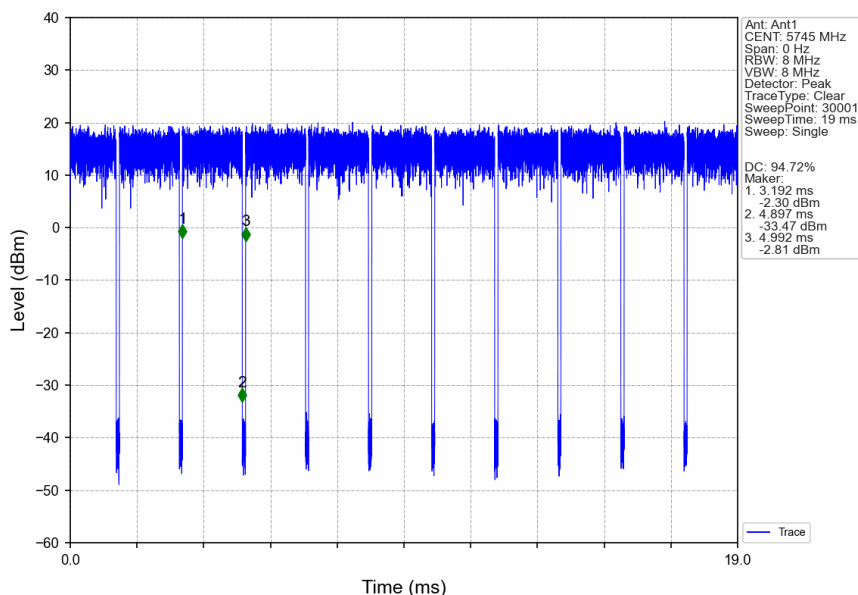
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中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

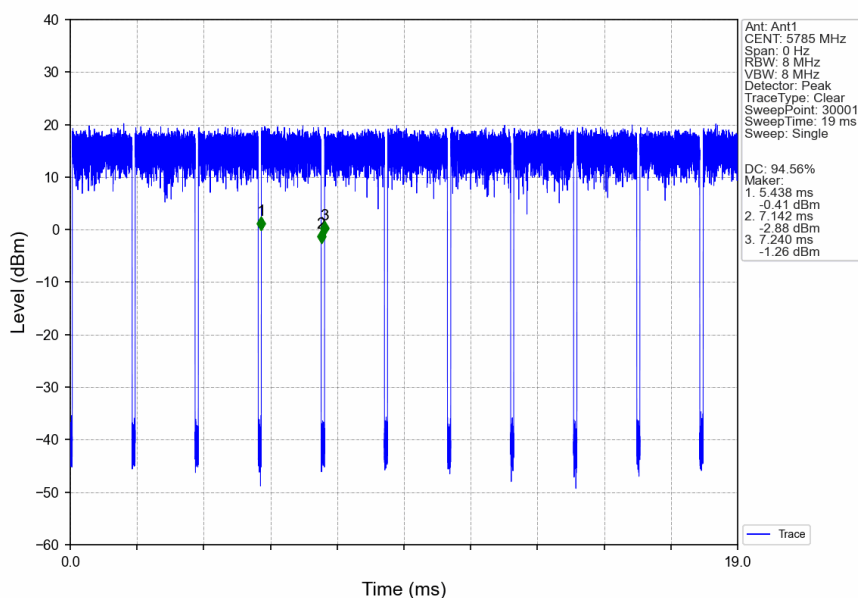
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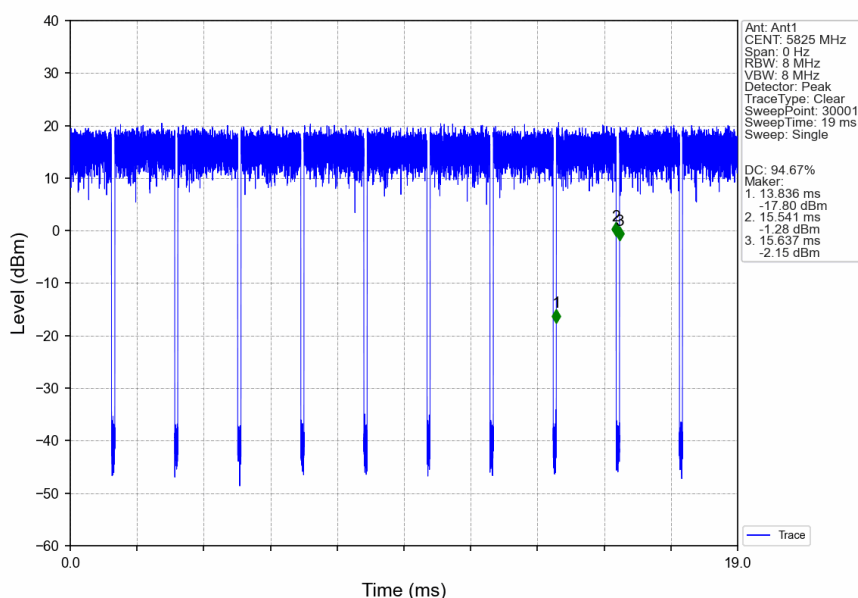
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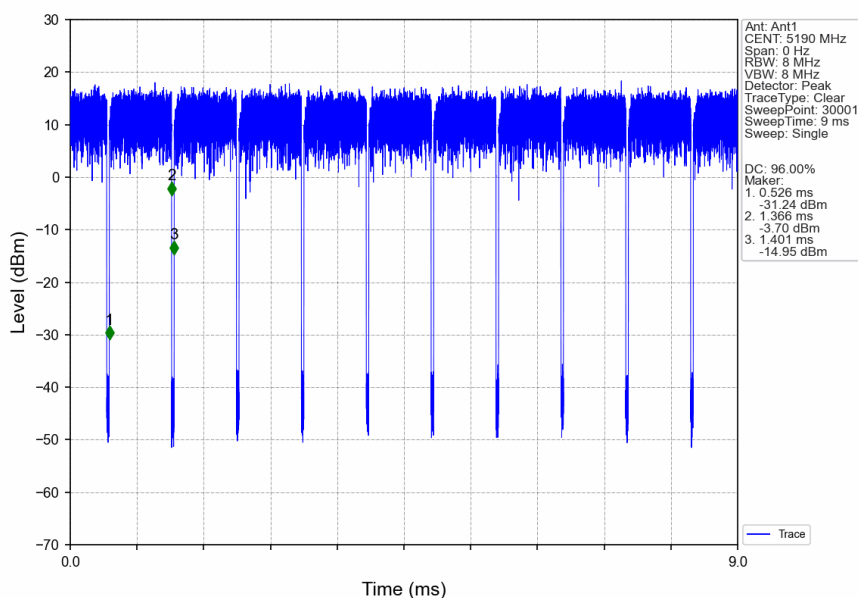
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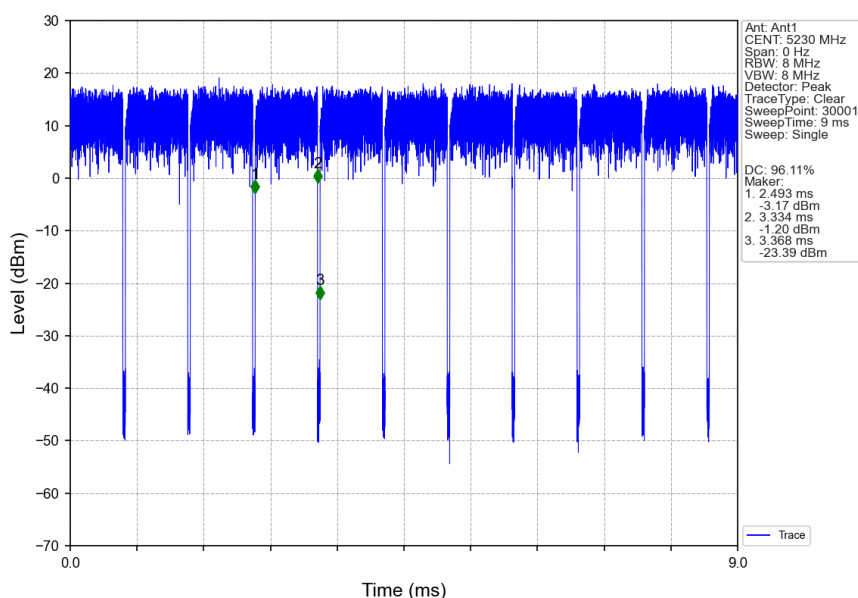
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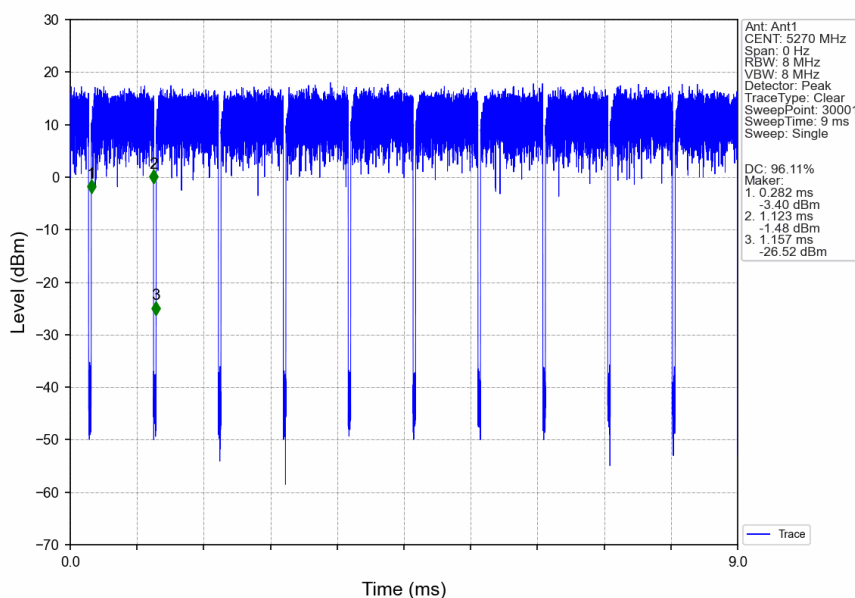
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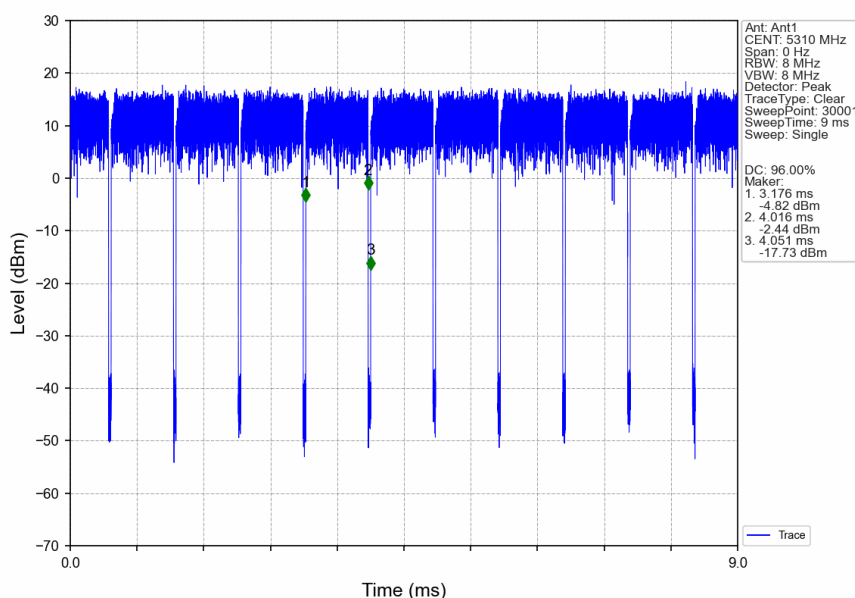
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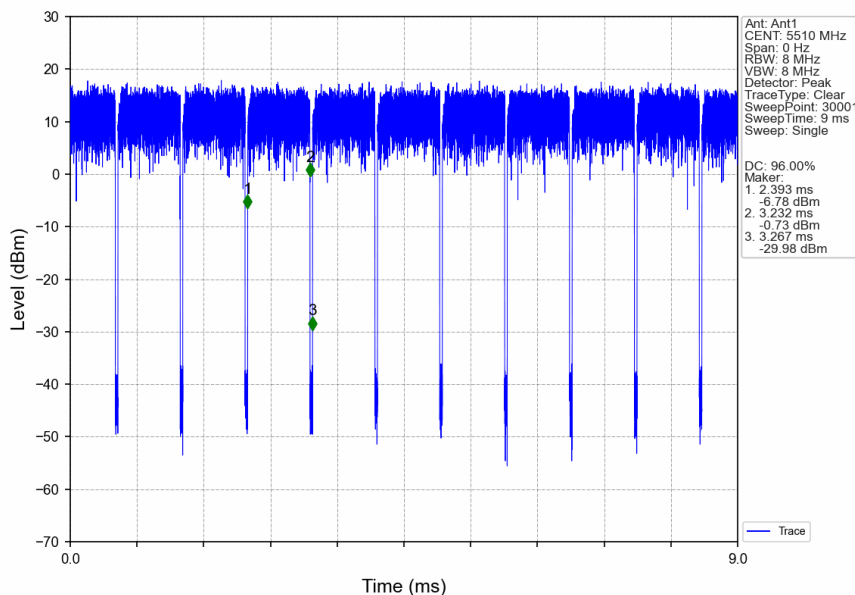
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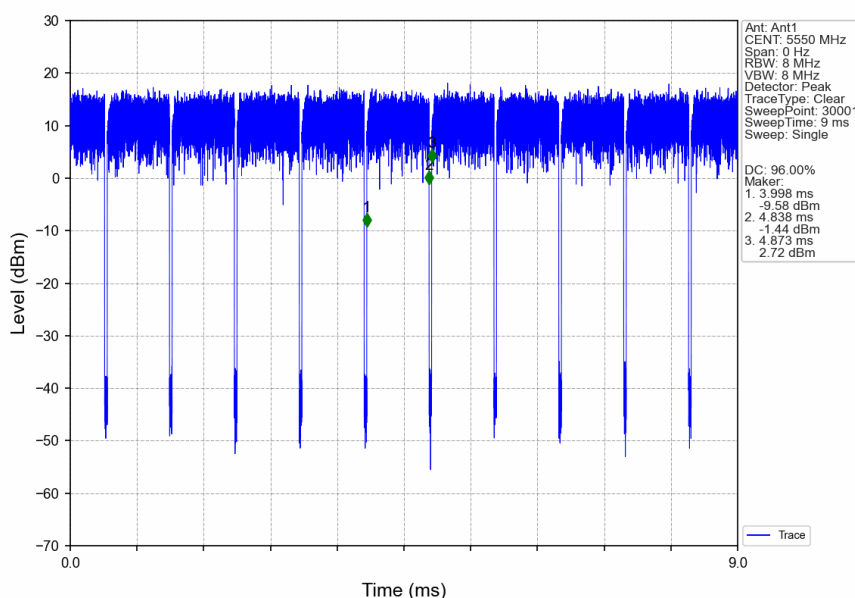
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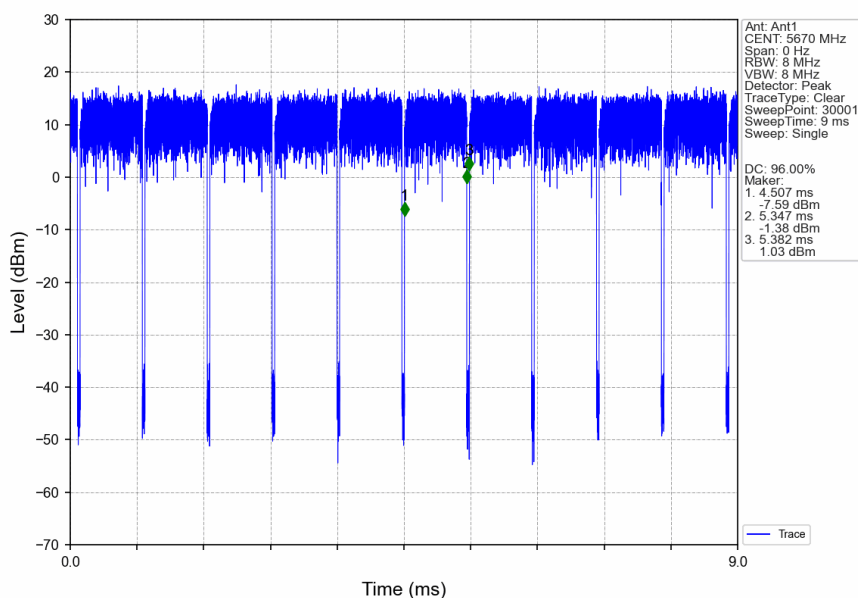
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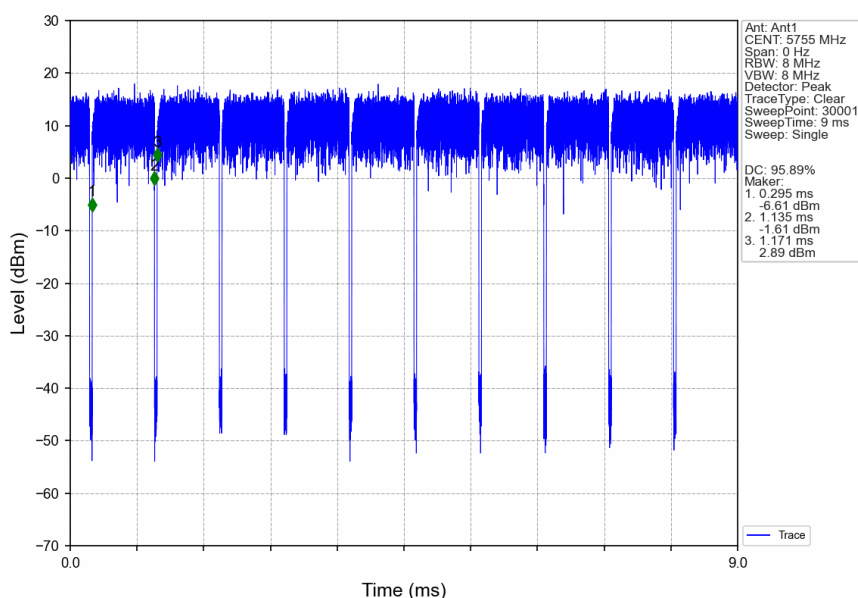
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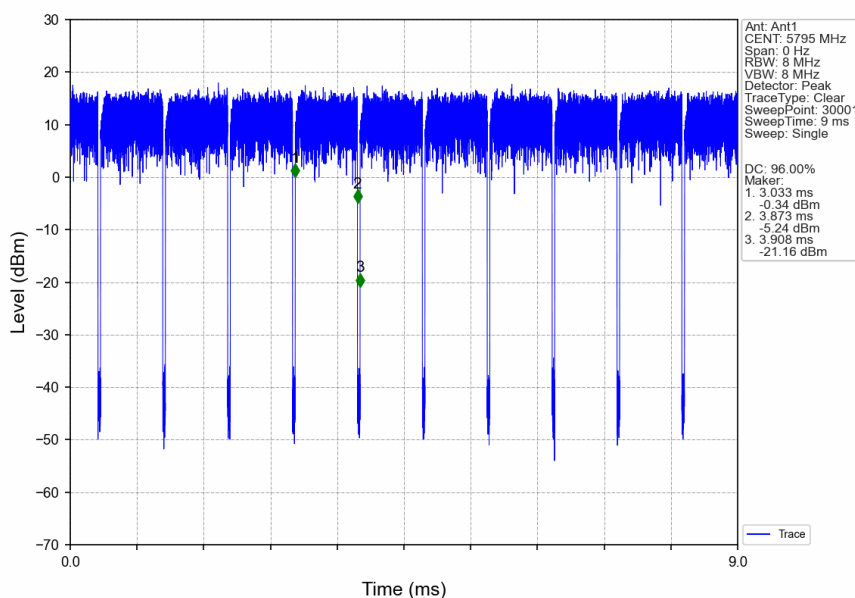
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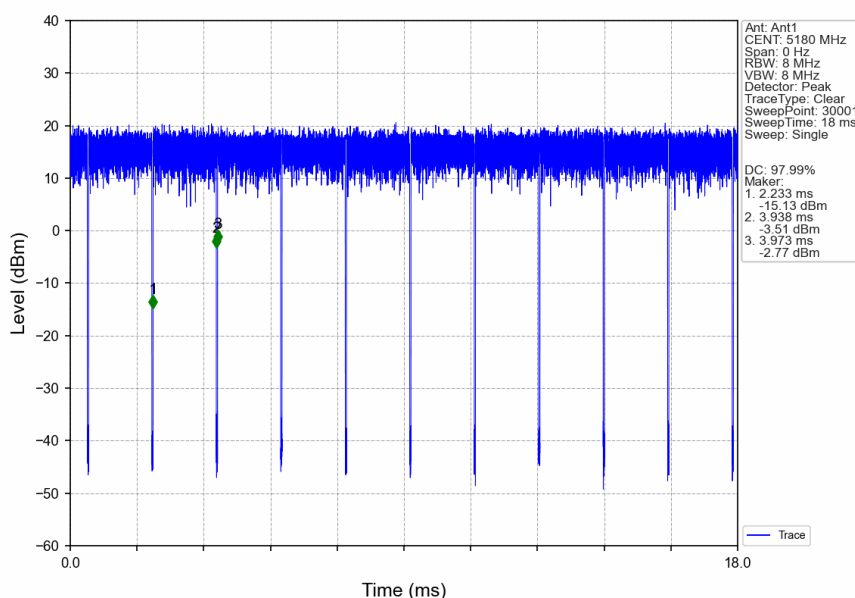
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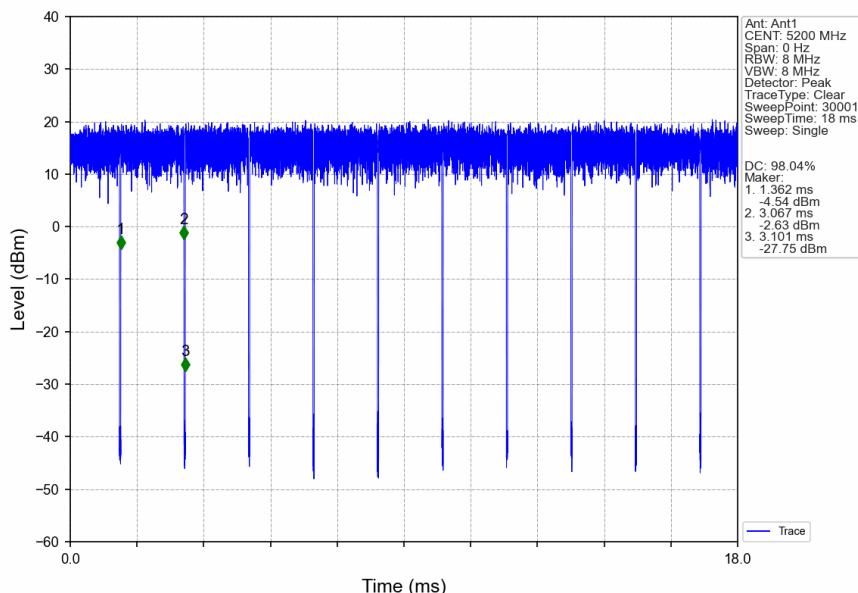
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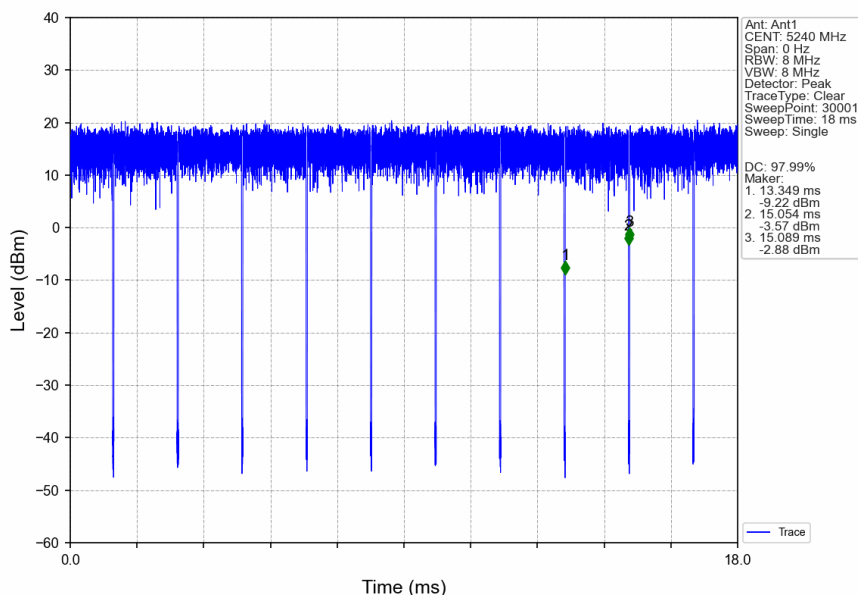
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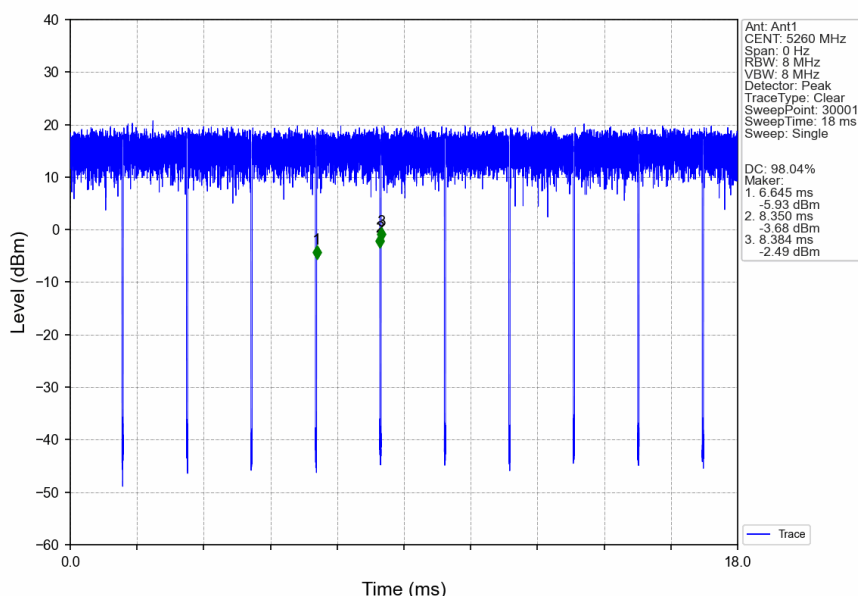
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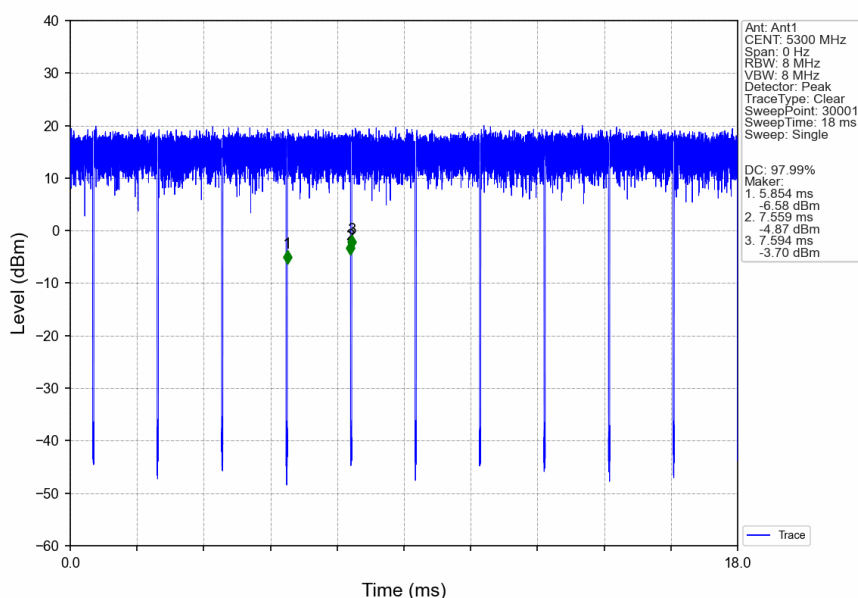
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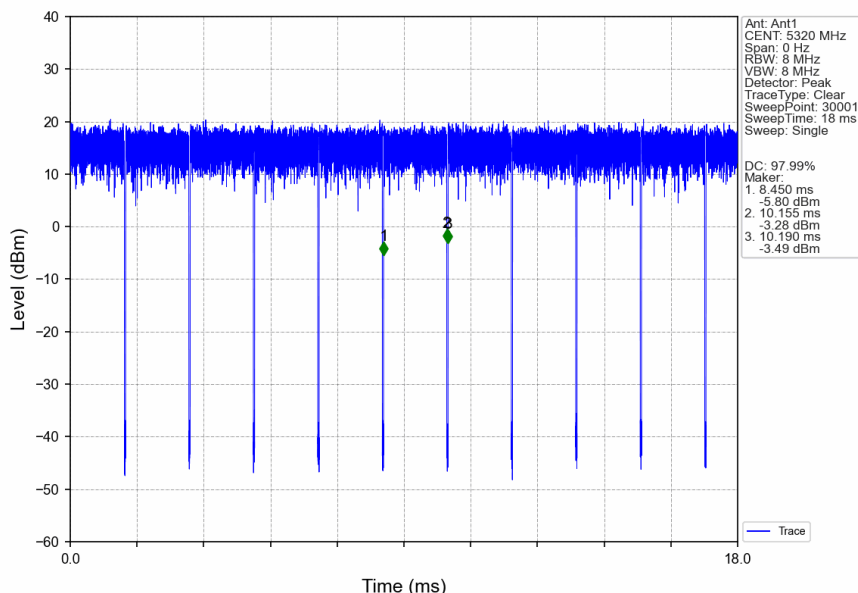
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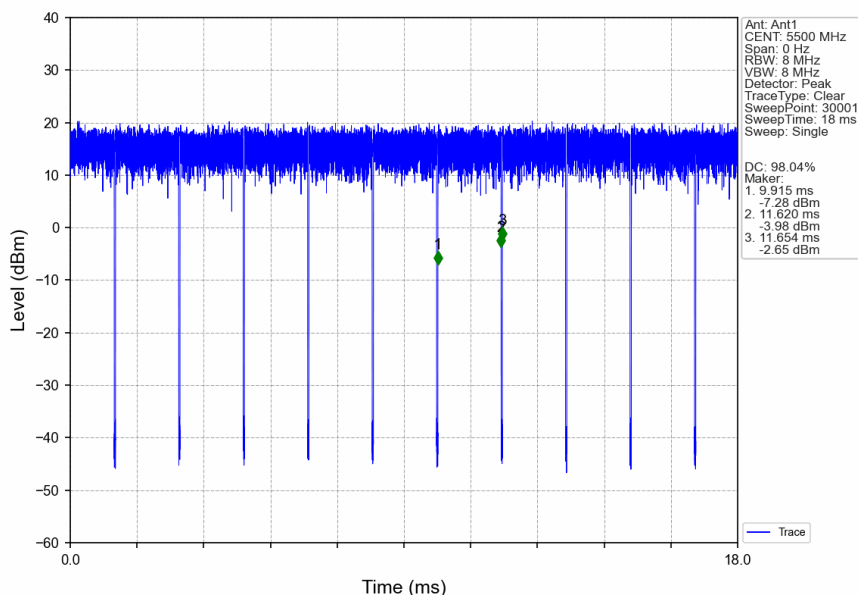
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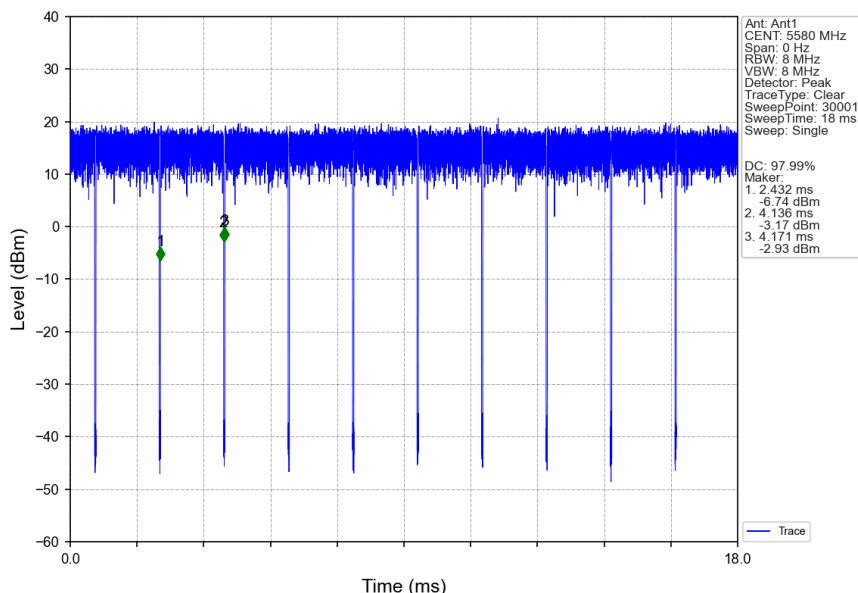
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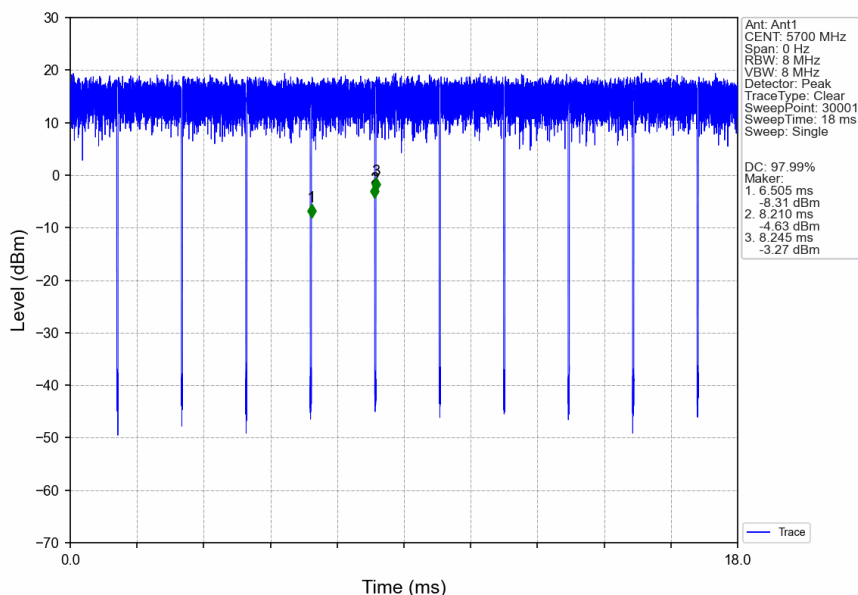
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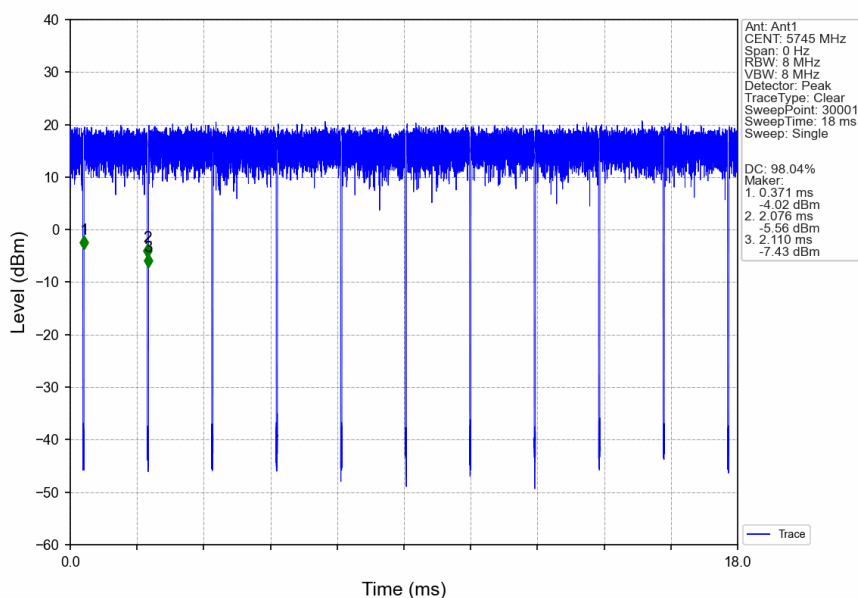
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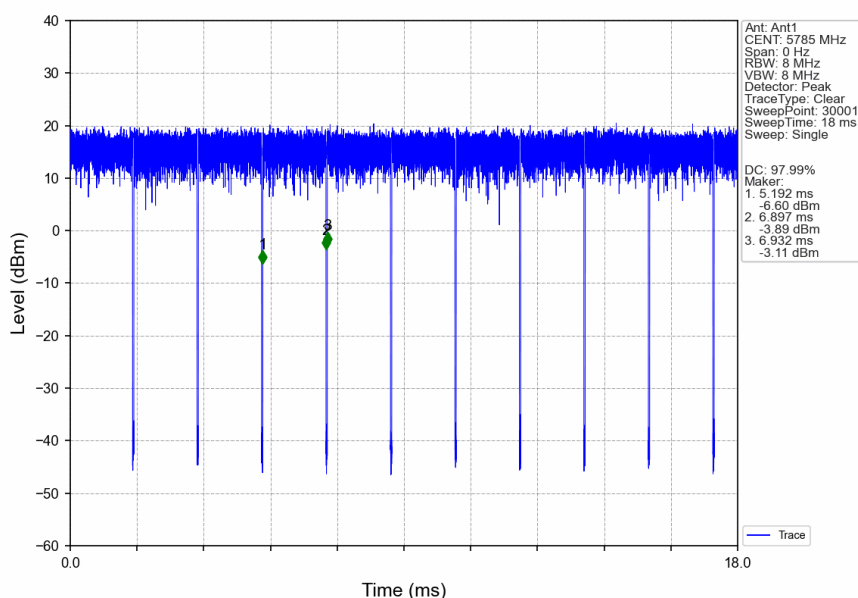
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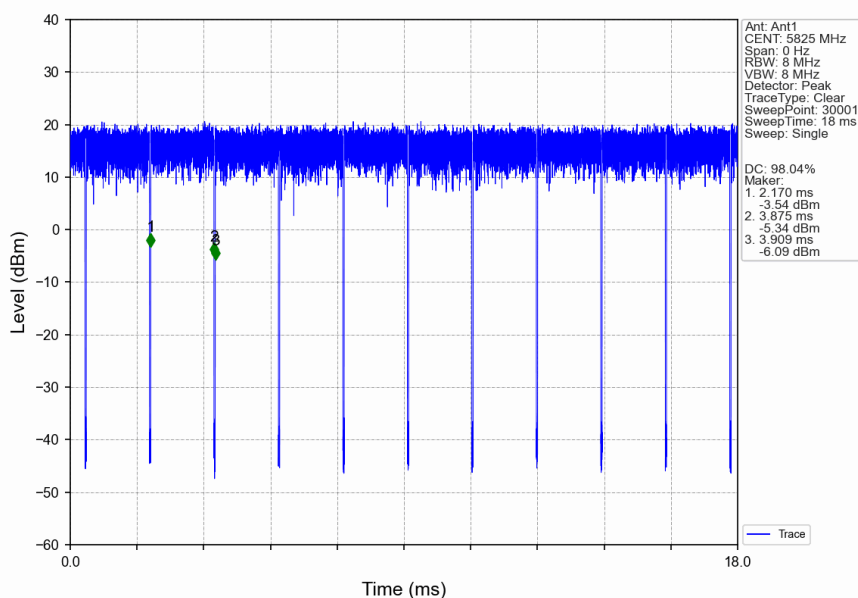
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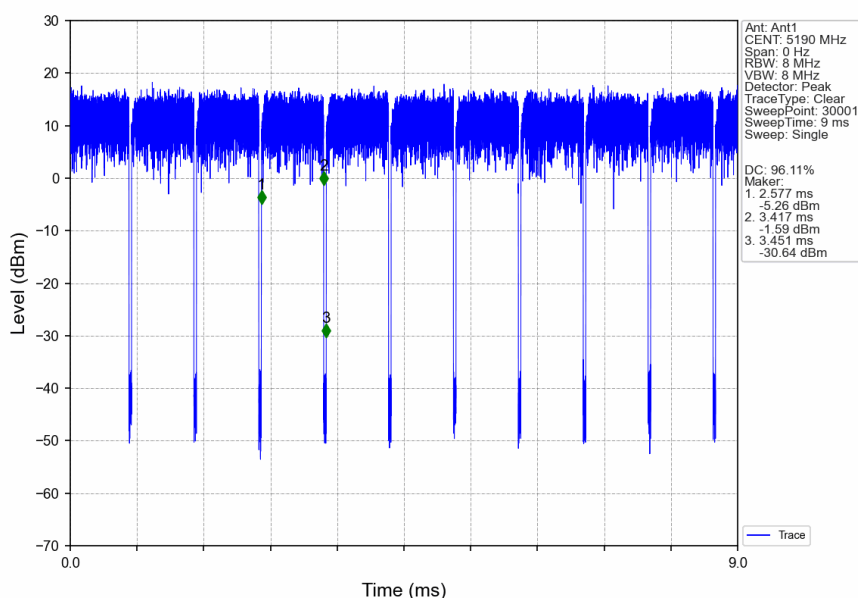
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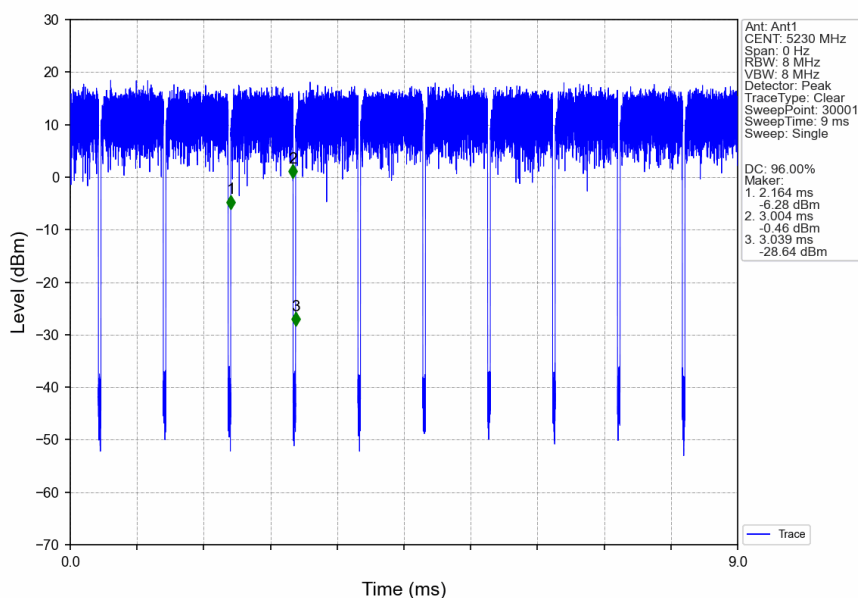
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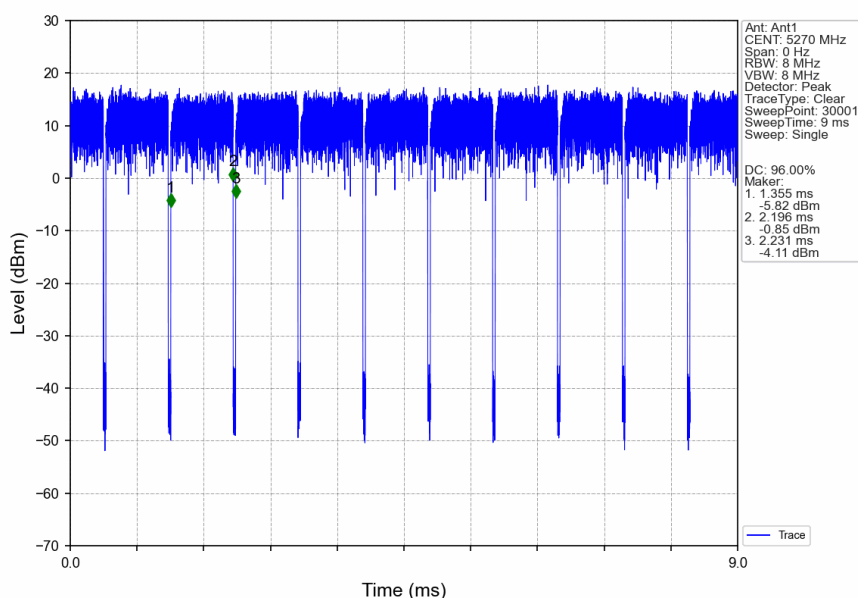
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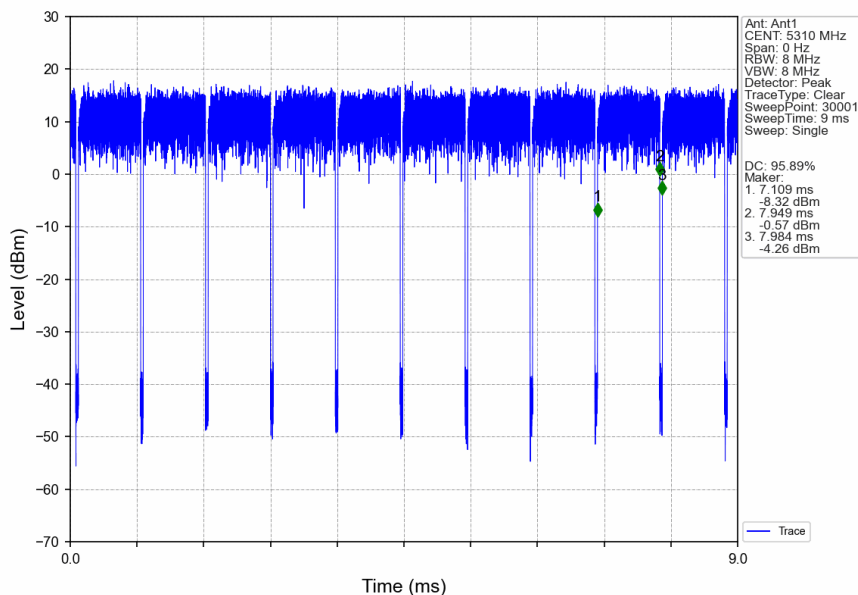
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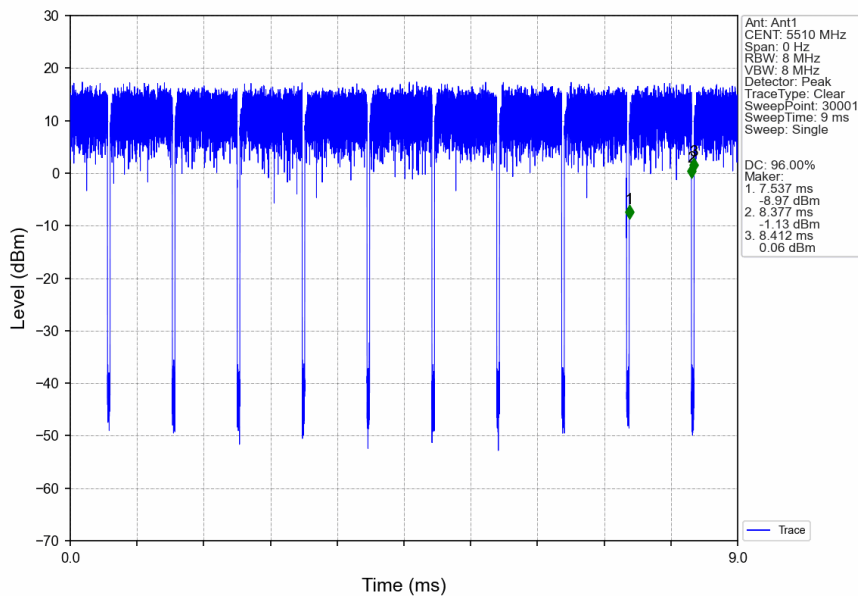
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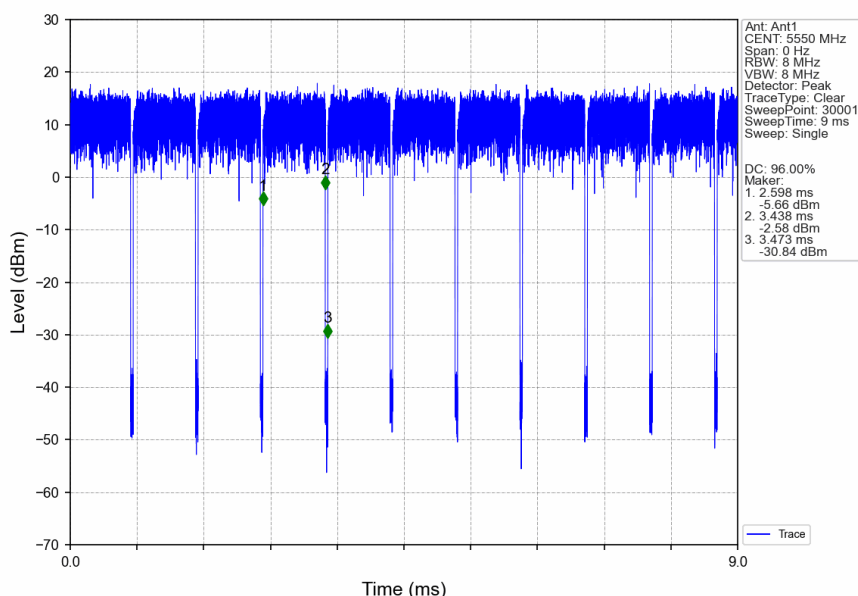
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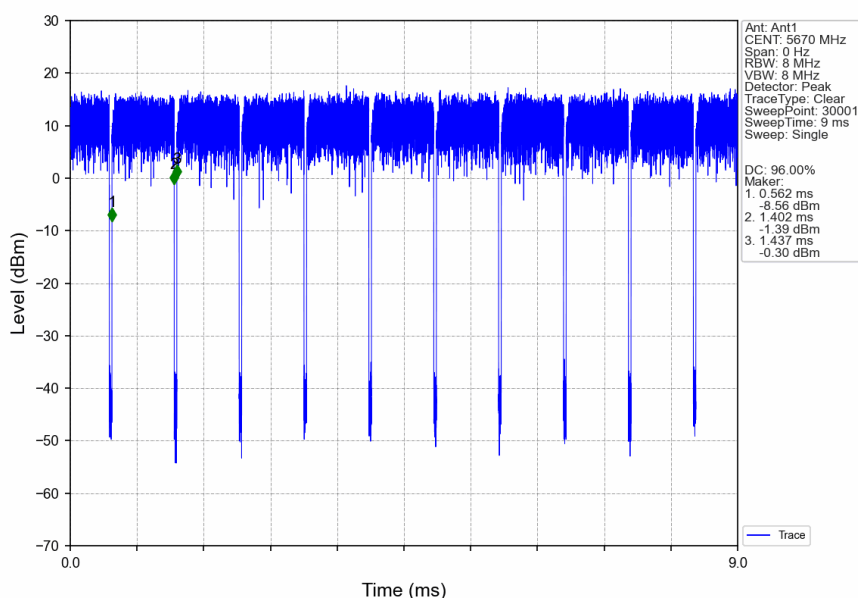
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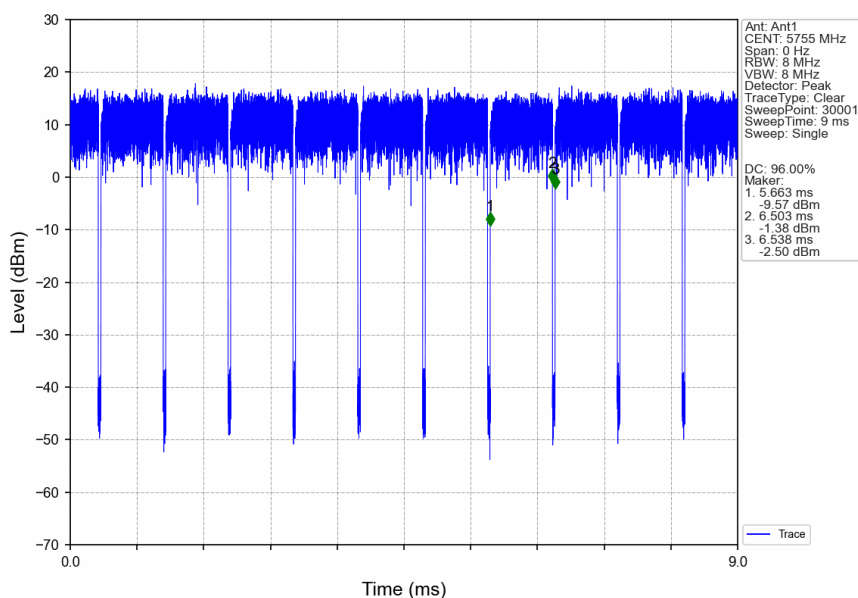
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802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV

