

TEST REPORT

Application No.: SZCR2512005587AT
Applicant: Fujian Landi Commercial Equipment Co.,Ltd.
Address of Applicant: Building 17, Area A, Software Park, No.89 Software Road, Gulou District, Fuzhou, 350003, Fujian, China
Equipment Under Test (EUT):
EUT Name: Payment Terminal
Model No.: P20R01
Trade Mark: Landi
FCC ID: 2AG6N-P2RA
Standard(s) : 47 CFR Part 15, Subpart E 15.407
Date of Receipt: 2025-12-17
Date of Test: 2025-12-26 to 2026-01-09
Date of Issue: 2026-01-14

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

Kenx. Xu

Keny Xu
EMC Laboratory Manager



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

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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2026-01-14		Original

Authorized for issue by:				
		Calvin Weng		
		Calvin Weng/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

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	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	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Maximum Conducted output power		ANSI C63.10 (2020) Section 12.4	47 CFR Part 15, Subpart E 15.407 (a)	Pass

Remark:

Model No.: P20R01

This test report (Ref. No.: SZCR251200558705) is only valid with the modular test report

(Ref. No.: FR480203D, FCC ID: XMR2024SC200EAU)

According to the declaration from the applicant, the WIFI module used in this report and the one in original report were identical (Smart LTE Module, model No.: SC200E-AU), only change the antenna.

Therefore in this report the section 2 items were fully retested on model and shown the data in this report, other tests please refer to modular test report FR480203D.

Remark: The EUT contains three different configurations, for the difference, please refer to below table:

1.	Without external battery version	No external backup power function - the device will shut down immediately after the adapter is unplugged.
2.	super capacitor version	With built in super capacitor backup power function.
3.	With external battery version	With external battery backup power function - the device will continue to work as intended for several minutes after the adapter in unplugged. It's the same design with configuration 1, only add external battery.

Therefore, all tests were performed on super capacitor version.



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4 General Information

4.1 Details of E.U.T.

Power supply:	DC5V/2A by AC/DC power adapter Adapter Manufacturer: Something High Electric(Xiamen) Company Inc. Adapter M/N:P24C050400 US Adapter Input:AC100-240V, 50/60Hz, 0.6A Adapter Output: DC5V/4A
Cable(s):	USB type C cable: 1.5m shielded cable without ferrite core
Cable Loss (for RF conducted test):	1.5dB
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:	Without TPC function
Antenna Type:	PIFA Antenna
Antenna Gain:	U-NII-1:1.43dBi, U-NII-2A: 2.14dBi, U-NII-2C: 1.78dBi, U-NII-3: 1.93dBi

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);
Maximum Conducted output power	$\pm 0.8\text{dB}$
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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4.4 Test Location

All tests were performed at:

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

No tests were sub-contracted.

4.5 Test Facility

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

• A2LA (Certificate No. 3816.01)

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

• VCCI (Member No. 1937)

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

• FCC –Designation Number: CN1336

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

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

• Innovation, Science and Economic Development Canada

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

CAB identifier: CN0006.

IC#: 4620C.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



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5 Equipment List

Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2025-05-07	2028-05-06
EMI Test Receiver	Rohde&Schwarz	ESR	SZ-WRG-M-047	2025-12-15	2026-12-14
Matching Pad	N/A	N/A	SEM021-23	2025-03-19	2026-03-18
Matching Pad	N/A	N/A	SEM021-24	2025-03-19	2026-03-18
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	2025-03-03	2026-03-02

Radiated Emissions (Below 1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Loop Antenna	ETS-Lindgren	6502	SEM003-08	2025-11-17	2027-11-16
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2023-06-19	2026-06-18
MXE EMI Receiver	Agilent Technologies	N9038A	SEM004-15	2025-07-25	2026-07-24
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-01	2025-08-29	2027-08-28
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	2025-03-04	2026-03-03
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2025-07-05	2026-07-04

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Radiated Emissions (Above 1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
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-063	2025-01-06	2028-01-05
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



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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
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	2025-03-03	2026-03-02
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2025-02-26	2026-02-25
Power Sensor	TST PASS	TSPS2023R	SEM009-26	2025-03-04	2026-03-03
Power Sensor	KEYSIGHT	U2021XA	SEM009-16	2025-03-04	2026-03-03

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	2025-03-03	2026-03-02



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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

15.203 requirement:

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

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna are U-NII-1:1.43dBi, U-NII-2A: 2.14dBi, U-NII-2C: 1.78dBi, U-NII-3: 1.93dBi.

Antenna location: Refer to internal photos



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:

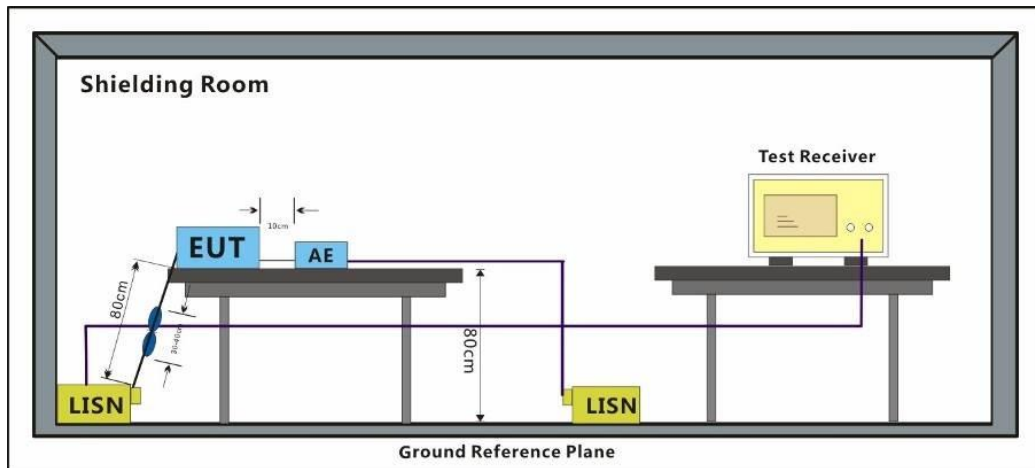
Temperature: 23.4 °C Humidity: 42.5 % RH Atmospheric Pressure: 1020 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	05	TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	06	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	07	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types. 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.



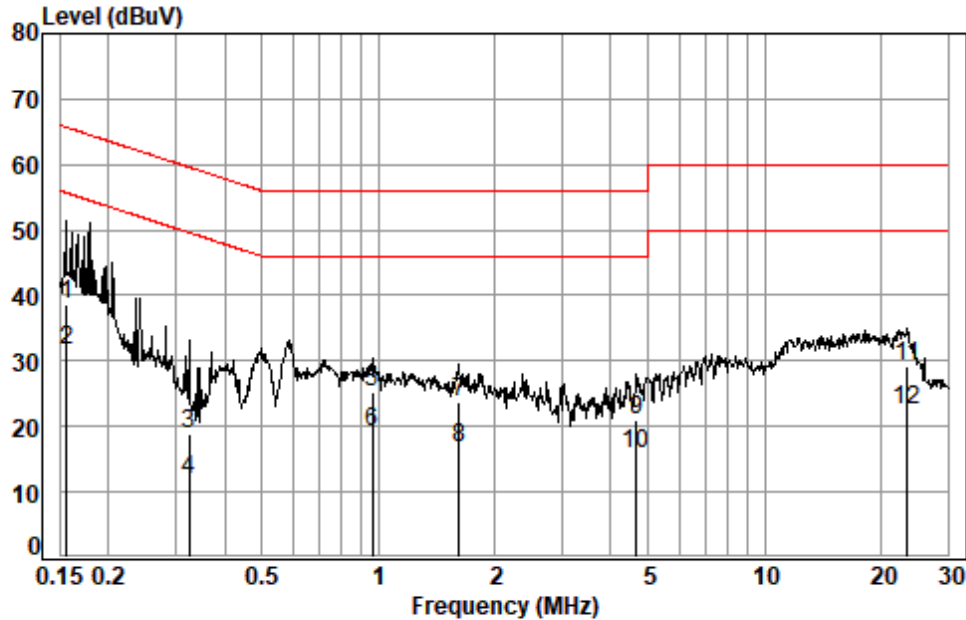
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SZEMC-TRF-01 Rev. A/2

Report No.: SZCR251200558705

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Test Mode: 04; Line: Live line



Site : Shielding Room

Condition: Line

Job No. : 05587AT

Test mode: 04

: 1#

		Cable	LISN	Read		Limit	Over	
	Freq	Loss	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1 *	0.1557	0.06	10.19	28.46	38.71	65.69	-26.98	QP
2 *	0.1557	0.06	10.19	21.33	31.58	55.69	-24.11	Average
3	0.3234	0.08	9.80	8.94	18.82	59.62	-40.80	QP
4	0.3234	0.08	9.80	2.09	11.97	49.62	-37.65	Average
5	0.9633	0.11	9.59	15.64	25.34	56.00	-30.66	QP
6	0.9633	0.11	9.59	9.34	19.04	46.00	-26.96	Average
7	1.6190	0.12	9.58	14.12	23.82	56.00	-32.18	QP
8	1.6190	0.12	9.58	7.00	16.70	46.00	-29.30	Average
9	4.6715	0.14	9.66	11.10	20.90	56.00	-35.10	QP
10	4.6715	0.14	9.66	5.94	15.74	46.00	-30.26	Average
11	23.3869	0.23	10.25	18.79	29.27	60.00	-30.73	QP
12	23.3869	0.23	10.25	11.95	22.43	50.00	-27.57	Average



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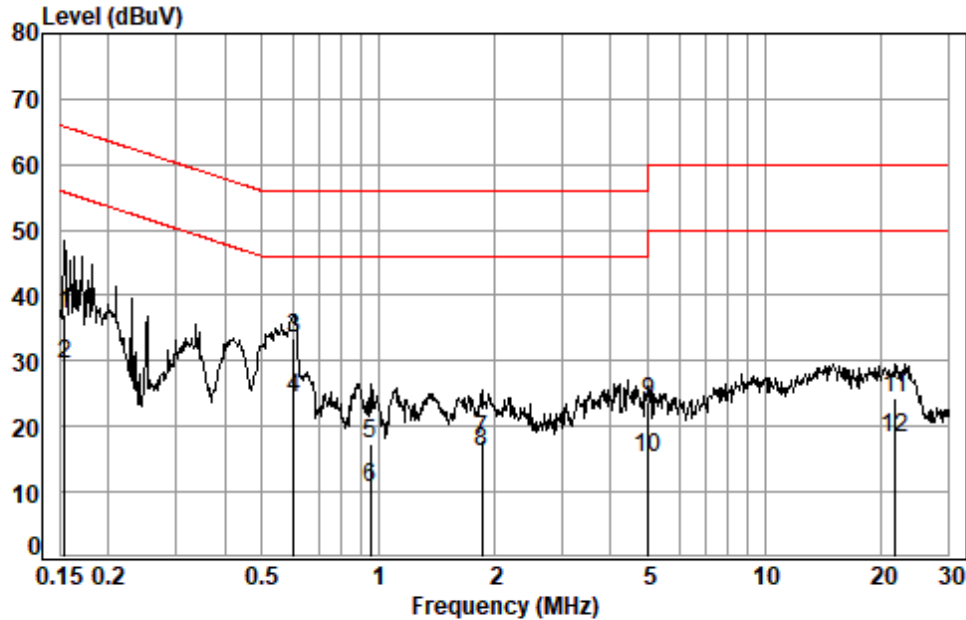
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Test Mode: 04; Line: Neutral Line



Site : Shielding Room

Condition: Neutral

Job No. : 05587AT

Test mode: 04

: 1#

	Freq	Cable Loss	LISN Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1540	0.06	10.14	26.83	37.03	65.78	-28.75	QP
2	0.1540	0.06	10.14	19.18	29.38	55.78	-26.40	Average
3 *	0.6043	0.10	9.68	23.55	33.33	56.00	-22.67	QP
4 *	0.6043	0.10	9.68	14.59	24.37	46.00	-21.63	Average
5	0.9531	0.11	9.55	7.75	17.41	56.00	-38.59	QP
6	0.9531	0.11	9.55	1.13	10.79	46.00	-35.21	Average
7	1.8581	0.12	9.55	8.31	17.98	56.00	-38.02	QP
8	1.8581	0.12	9.55	6.34	16.01	46.00	-29.99	Average
9	5.0046	0.14	9.56	14.08	23.78	60.00	-36.22	QP
10	5.0046	0.14	9.56	5.58	15.28	50.00	-34.72	Average
11	21.8303	0.21	10.26	13.88	24.35	60.00	-35.65	QP
12	21.8303	0.21	10.26	7.78	18.25	50.00	-31.75	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: Mason Wu

Limit:

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

7.2.1 E.U.T. Operation

Operating Environment:

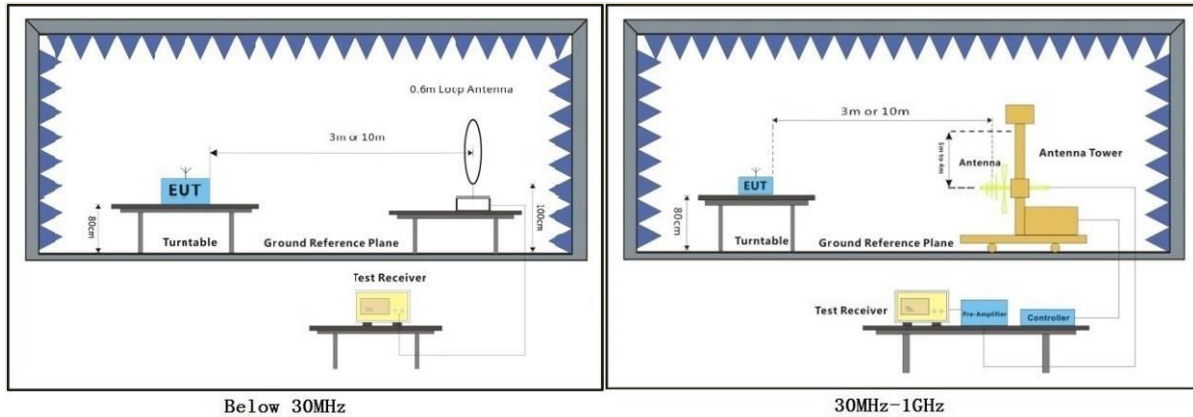
Temperature: 23.2 °C Humidity: 45.6 % RH Atmospheric Pressure: 1020 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	05	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	06	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	07	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.



7.2.3 Test Setup Diagram



Below 30MHz

30MHz-1GHz



7.2.4 Measurement Procedure and Data

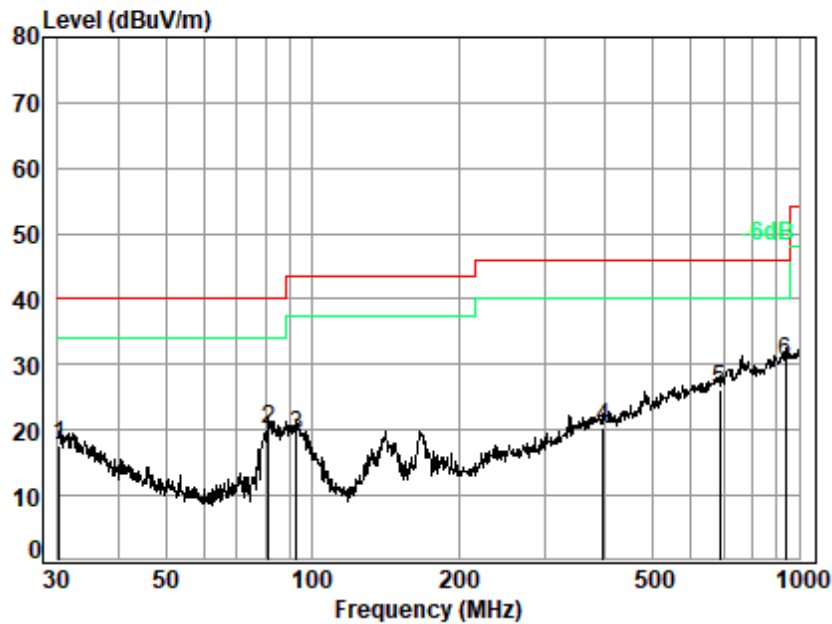
- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 or 10 meters away from the interference-receiving antenna,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

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. For emission below 1GHz, through the pre-scan found the worst case is the lowest channel of 802.11a. Only the worst case is recorded in the report.
3. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
4. The disturbance below 1GHz was very low and the below harmonics were the highest point could be found when testing, so only the below harmonics had been displayed.



Test Mode: 04; Polarity: Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 05587AT
Test Mode: 04

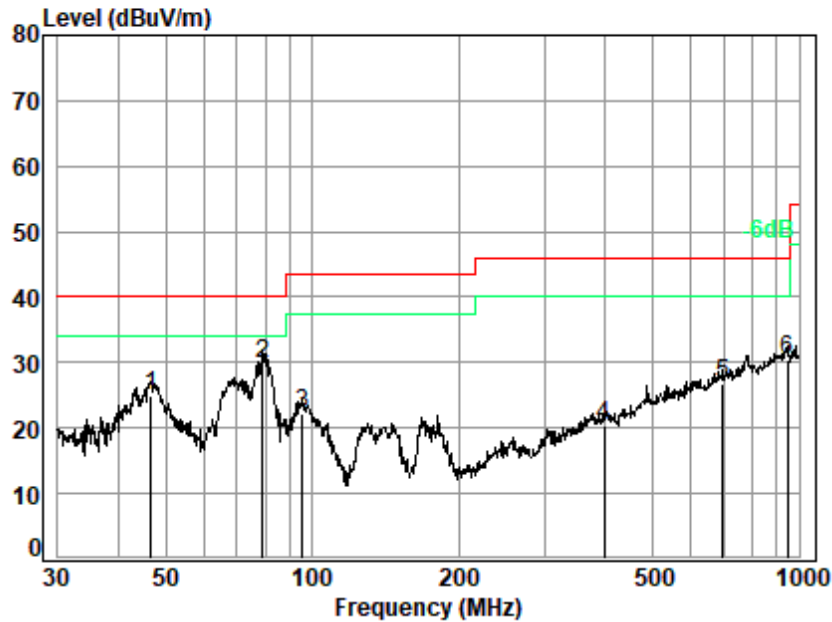
	Ant	Cable	Preamp	Read		Limit	Over	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	30.211	21.10	0.74	27.65	23.44	17.63	40.00	-22.37 QP
2	81.497	10.57	1.11	27.61	35.90	19.97	40.00	-20.03 QP
3	92.787	11.97	1.19	27.60	33.73	19.29	43.50	-24.21 QP
4	396.242	20.68	2.48	27.74	25.09	20.51	46.00	-25.49 QP
5	687.151	25.71	3.37	27.86	24.92	26.14	46.00	-19.86 QP
6 q	938.833	28.15	4.06	26.74	24.96	30.43	46.00	-15.57 QP



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Test Mode: 04; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No. : 05587AT
Test Mode: 04

		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	46.666	13.74	0.88	27.63	38.02	25.01	40.00	-14.99	QP
2 q	78.965	10.41	1.09	27.61	45.98	29.87	40.00	-10.13	QP
3	95.427	12.15	1.20	27.60	36.45	22.20	43.50	-21.30	QP
4	397.633	20.65	2.48	27.74	24.93	20.32	46.00	-25.68	QP
5	696.857	25.88	3.40	27.84	25.32	26.76	46.00	-19.24	QP
6	948.761	28.23	4.08	26.68	24.80	30.43	46.00	-15.57	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
 Measurement Distance: 3m
 Test Engineer: Mihawk Li

Limit:

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

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

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

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

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

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

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



7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 22.2 °C

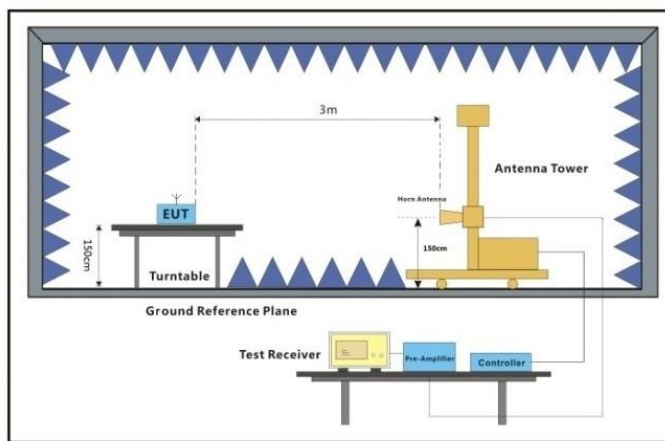
Humidity: 51.7 % RH

Atmospheric Pressure: 1020 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	07	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.3.3 Test Setup Diagram



Above 1GHz



7.3.4 Measurement Procedure and Data

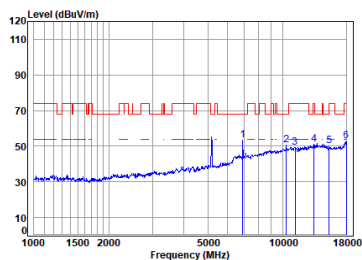
- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which 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 18GHz to 40GHz, the disturbance above 18GHz was very low. 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.



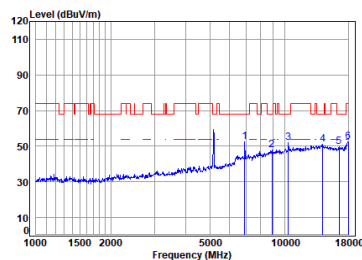
11a_TX_CH_36_Horizontal



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5180 TX RSE
: 5G Wi-Fi 11A

Freq	Cable	Ant	Preamp	Read	Limit	Over
MHz	Loss	Factor	Factor	Level	Level	Limit
	dB			dBuV	dBuV/m	dB
1 pp 6914.763	11.37	36.27	56.51	62.04	53.17	68.20 -15.03 Peak
2 10363.710	13.61	39.20	53.56	51.52	50.77	68.20 -17.43 Peak
3 11204.900	14.75	39.50	53.44	48.64	49.45	74.00 -24.55 Peak
4 13365.320	16.13	40.40	53.91	48.36	50.98	74.00 -23.02 Peak
5 15354.390	16.84	39.09	53.96	48.08	50.05	74.00 -23.95 Peak
6 18000.000	18.35	42.60	54.30	46.08	52.73	74.00 -21.27 Peak

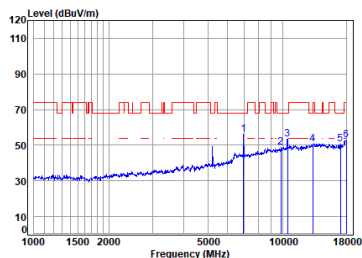
11a_TX_CH_36_Vertical



Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5180 TX RSE
: 5G Wi-Fi 11A

Freq	Cable	Ant	Preamp	Read	Limit	Over
MHz	Loss	Factor	Factor	Level	Level	Limit
	dB			dBuV	dBuV/m	dB
1 pp 6914.763	11.37	36.27	56.51	61.42	52.55	68.20 -15.65 Peak
2 8891.725	12.22	38.40	54.82	52.19	47.99	68.20 -20.21 Peak
3 10363.710	13.61	39.20	53.56	52.78	52.03	68.20 -16.17 Peak
4 14242.800	16.12	40.46	54.10	48.49	50.97	68.20 -17.23 Peak
5 16552.730	17.69	38.31	53.81	47.40	49.59	68.20 -18.61 Peak
6 18000.000	18.35	42.60	54.30	45.86	52.51	74.00 -21.49 Peak

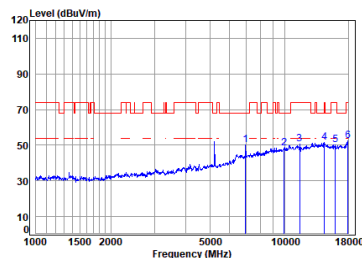
11a_TX_CH_44_Horizontal



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5220 TX RSE
: 5G Wi-Fi 11A

Freq	Cable	Ant	Preamp	Read	Limit	Over
MHz	Loss	Factor	Factor	Level	Level	Limit
	dB			dBuV	dBuV/m	dB
1 pp 6954.852	11.37	36.21	56.50	65.04	56.12	68.20 -12.08 Peak
2 9838.312	12.98	38.50	53.77	51.18	48.89	68.20 -19.31 Peak
3 10453.970	13.63	39.25	53.55	54.09	53.42	68.20 -14.78 Peak
4 13211.690	15.77	40.11	53.87	48.85	50.86	68.20 -17.34 Peak
5 17087.460	18.42	38.89	53.94	47.28	50.65	68.20 -17.55 Peak
6 18000.000	18.35	42.60	54.30	46.12	52.77	74.00 -21.23 Peak

11a_TX_CH_44_Vertical

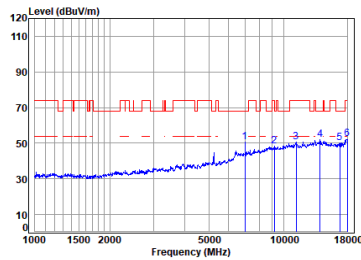


Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5220 TX RSE
: 5G Wi-Fi 11A

Freq	Cable	Ant	Preamp	Read	Limit	Over
MHz	Loss	Factor	Factor	Level	Level	Limit
	dB			dBuV	dBuV/m	dB
1 6954.852	11.37	36.21	56.50	59.31	50.39	68.20 -17.81 Peak
2 9952.717	12.91	38.71	53.65	50.34	48.31	68.20 -19.89 Peak
3 11467.000	14.77	39.23	53.36	49.92	50.56	74.00 -23.44 Peak
4 pp14450.130	16.98	40.30	54.10	48.55	51.73	68.20 -16.47 Peak
5 15988.450	17.16	38.22	53.70	48.70	50.38	74.00 -23.62 Peak
6 17948.050	18.30	42.29	54.28	46.24	52.55	74.00 -21.45 Peak



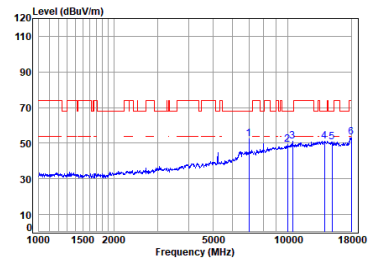
11a_TX_CH_48_Horizontal



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5240 TX RSE
: 5G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6995.172	11.37	36.29	56.50	59.38	50.54	68.20	-17.66	Peak
2	9178.972	12.28	38.58	54.49	52.12	48.49	74.00	-25.51	Peak
3	11204.900	14.75	39.50	53.44	50.05	50.86	74.00	-23.14	Peak
4	pp13997.930	16.46	40.59	54.01	48.87	51.82	68.20	-16.38	Peak
5	16842.290	17.77	38.60	53.87	47.55	50.05	68.20	-18.15	Peak
6	18000.000	18.35	42.60	54.30	45.66	52.31	74.00	-21.69	Peak

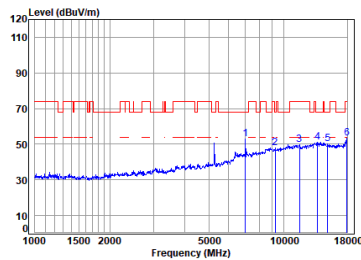
11a_TX_CH_48_Vertical



Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5240 TX RSE
: 5G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 6995.172	11.37	36.29	56.50	61.29	52.45	68.20	-15.75	Peak
2	9981.525	12.97	38.83	53.62	51.03	49.21	68.20	-18.99	Peak
3	10484.230	13.64	39.28	53.55	51.95	51.32	68.20	-16.88	Peak
4	14038.450	16.51	40.52	54.10	48.37	51.30	68.20	-16.90	Peak
5	15090.400	16.70	39.41	54.06	48.66	50.71	68.20	-17.49	Peak
6	18000.000	18.35	42.60	54.30	46.57	53.22	74.00	-20.78	Peak

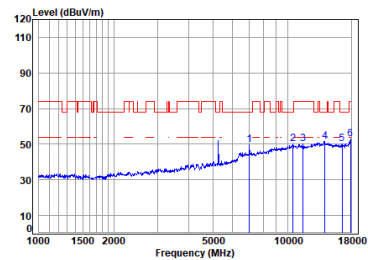
11a_TX_CH_52_Horizontal



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5260 TX RSE
: 5G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 7015.420	11.47	36.33	56.49	61.51	52.82	68.20	-15.38	Peak
2	9258.909	12.23	38.70	54.40	51.54	48.07	68.20	-20.13	Peak
3	11566.870	14.79	39.07	53.33	49.36	49.89	74.00	-24.11	Peak
4	13677.970	16.27	40.32	54.01	48.53	51.11	68.20	-17.09	Peak
5	15046.850	16.65	39.45	54.08	48.29	50.31	68.20	-17.89	Peak
6	17948.050	18.30	42.29	54.28	46.92	53.23	74.00	-20.77	Peak

11a_TX_CH_52_Vertical

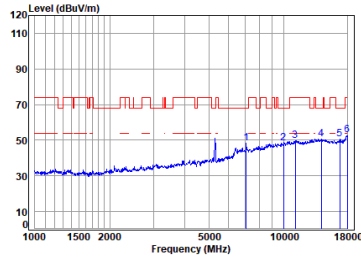


Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5260 TX RSE
: 5G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7015.420	11.47	36.33	56.49	58.34	49.65	68.20	-18.55	Peak
2	10514.580	13.63	39.30	53.55	50.77	50.15	68.20	-18.05	Peak
3	11533.480	14.92	39.13	53.34	49.34	50.05	74.00	-23.95	Peak
4	pp14119.830	16.45	40.42	54.10	48.99	51.76	68.20	-16.44	Peak
5	16552.730	17.69	38.31	53.81	48.07	50.26	68.20	-17.94	Peak
6	17896.250	18.25	41.97	54.26	46.99	52.95	74.00	-21.05	Peak



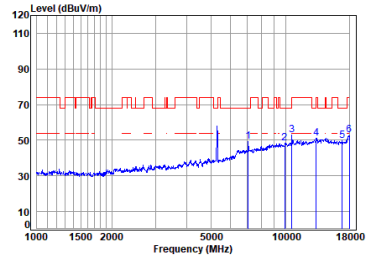
11a_TX_CH_60_Horizontal



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5300 TX RSE
: 5G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7076.516	11.85	36.56	56.45	56.18	48.14	68.20	-20.06	Peak
2	9981.525	12.97	38.83	53.62	50.22	48.40	68.20	-19.80	Peak
3	11140.310	14.70	39.38	53.46	49.18	49.80	74.00	-24.20	Peak
4	pp14160.710	16.18	40.46	54.10	48.32	50.86	68.20	-17.34	Peak
5	16793.680	17.47	38.59	53.86	48.36	50.56	68.20	-17.64	Peak
6	18000.000	18.35	42.60	54.30	46.29	52.94	74.00	-21.06	Peak

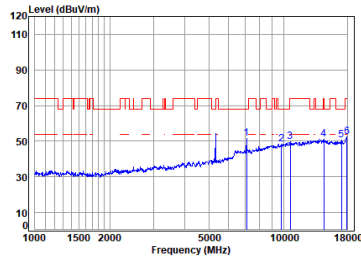
11a_TX_CH_60_Vertical



Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5300 TX RSE
: 5G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7076.516	11.85	36.56	56.45	57.42	49.38	68.20	-18.82	Peak
2	9923.991	12.85	38.65	53.68	50.48	48.30	68.20	-19.90	Peak
3	10606.150	13.62	39.30	53.54	53.64	53.02	74.00	-20.98	Peak
4	pp13249.930	16.11	40.15	53.88	48.94	51.32	68.20	-16.88	Peak
5	16891.040	18.12	38.60	53.88	46.98	49.82	68.20	-18.38	Peak
6	18000.000	18.35	42.60	54.30	46.43	53.08	74.00	-20.92	Peak

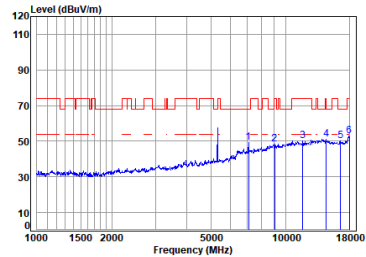
11a_TX_CH_64_Horizontal



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5320 TX RSE
: 5G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 7096.999	11.97	36.68	56.44	59.16	51.37	68.20	-16.83	Peak
2	9781.603	13.02	38.46	53.83	50.92	48.57	68.20	-19.63	Peak
3	10636.850	13.76	39.30	53.54	50.28	49.80	74.00	-24.20	Peak
4	14491.960	17.07	40.22	54.10	47.81	51.00	74.00	-23.00	Peak
5	17087.460	18.42	38.89	53.94	47.41	50.78	68.20	-17.42	Peak
6	17948.050	18.30	42.29	54.28	46.36	52.67	74.00	-21.33	Peak

11a_TX_CH_64_Vertical

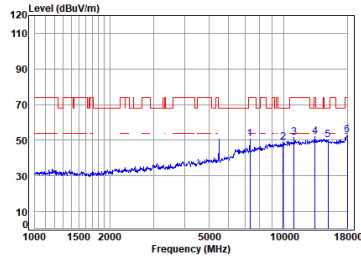


Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5320 TX RSE
: 5G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7096.999	11.97	36.68	56.44	56.89	49.10	68.20	-19.10	Peak
2	9021.160	12.14	38.48	54.68	52.36	48.30	74.00	-25.70	Peak
3	11735.250	14.68	39.10	53.28	49.63	50.13	74.00	-23.87	Peak
4	pp14533.910	16.79	40.20	54.10	48.24	51.13	68.20	-17.07	Peak
5	16600.640	17.65	38.40	53.82	48.04	50.27	68.20	-17.93	Peak
6	18000.000	18.35	42.60	54.30	46.33	52.98	74.00	-21.02	Peak



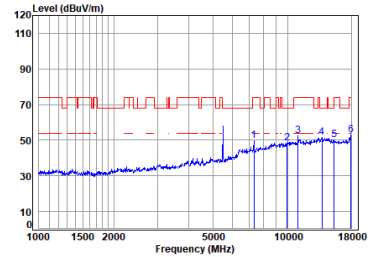
11a_TX_CH_100_Horizontal



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5500 TX RSE
: 5G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7326.267	11.51	36.90	56.30	58.42	50.53	74.00	-23.47	Peak
2	9952.717	12.91	38.71	53.65	50.93	48.90	68.20	-19.30	Peak
3	11012.250	14.23	39.30	53.50	51.74	51.77	74.00	-22.23	Peak
4	13365.320	16.13	40.40	53.91	49.47	52.09	74.00	-21.91	Peak
5	pp15090.400	16.70	39.41	54.06	48.15	50.20	68.20	-18.00	Peak
6	18000.000	18.35	42.60	54.30	46.30	52.95	74.00	-21.05	Peak

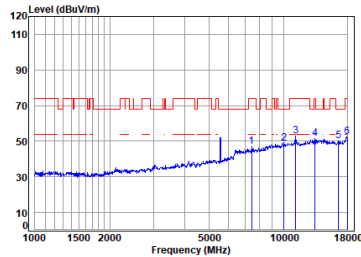
11a_TX_CH_100_Vertical



Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5500 TX RSE
: 5G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7326.267	11.51	36.90	56.30	57.57	49.68	74.00	-24.32	Peak
2	9952.717	12.91	38.71	53.65	50.55	48.52	68.20	-19.68	Peak
3	11012.250	14.23	39.30	53.50	52.43	52.46	74.00	-21.54	Peak
4	pp13757.270	16.15	40.30	54.03	48.94	51.36	68.20	-16.84	Peak
5	15398.830	16.77	39.00	53.94	48.43	50.26	74.00	-23.74	Peak
6	17948.050	18.30	42.29	54.28	46.67	52.98	74.00	-21.02	Peak

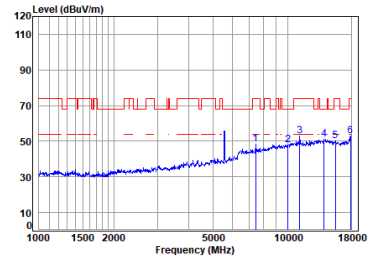
11a_TX_CH_116_Horizontal



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5580 TX RSE
: 5G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7432.914	11.41	36.77	56.23	54.95	46.90	74.00	-27.10	Peak
2	10010.420	13.04	38.90	53.60	50.55	48.89	68.20	-19.31	Peak
3	11172.560	14.73	39.45	53.45	52.33	53.06	74.00	-20.94	Peak
4	13365.320	16.13	40.40	53.91	48.91	51.53	74.00	-22.47	Peak
5	pp16600.640	17.65	38.40	53.82	47.79	50.02	68.20	-18.18	Peak
6	18000.000	18.35	42.60	54.30	45.99	52.64	74.00	-21.36	Peak

11a_TX_CH_116_Vertical

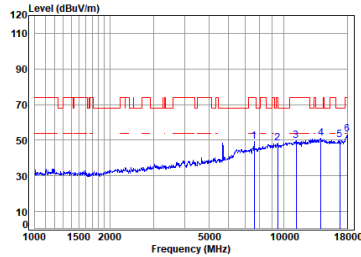


Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5580 TX RSE
: 5G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7432.914	11.41	36.77	56.23	56.56	48.51	74.00	-25.49	Peak
2	10010.420	13.04	38.90	53.60	49.62	47.96	68.20	-20.24	Peak
3	11172.560	14.73	39.45	53.45	52.03	52.76	74.00	-21.24	Peak
4	pp13997.930	16.46	40.59	54.10	48.03	50.98	68.20	-17.22	Peak
5	15532.940	16.98	38.87	53.88	48.30	50.27	74.00	-23.73	Peak
6	17896.250	18.25	41.97	54.26	47.11	53.07	74.00	-20.93	Peak



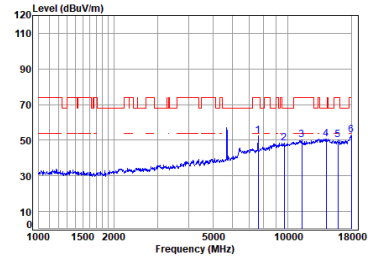
11a_TX_CH_140_Horizontal



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5700 TX RSE
: 5G Wi-Fi 11A

	Freq	Cable Loss	Factor	Ant Factor	Preamp	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB		dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7606.788	11.11	36.77	56.13	57.50	49.25	74.00	-24.75	Peak	
2	9448.149	12.43	38.90	54.19	51.36	48.50	74.00	-25.50	Peak	
3	11204.900	14.75	39.50	53.44	48.90	49.71	74.00	-24.29	Peak	
4	pp14119.830	16.45	40.42	54.10	48.37	51.14	68.20	-17.06	Peak	
5	16793.680	17.47	38.59	53.86	47.88	50.08	68.20	-18.12	Peak	
6	18000.000	18.35	42.60	54.30	46.69	53.34	74.00	-20.66	Peak	

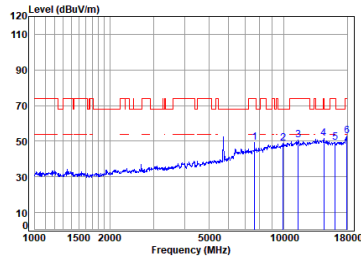
11a_TX_CH_140_Vertical



Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5700 TX RSE
: 5G Wi-Fi 11A

	Freq	Cable Loss	Factor	Ant Factor	Preamp	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB		dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7606.788	11.11	36.77	56.13	60.57	52.32	74.00	-21.68	Peak	
2	9697.151	12.69	38.51	53.92	51.19	48.47	68.20	-19.73	Peak	
3	11400.910	14.22	39.30	53.38	50.06	50.20	74.00	-23.80	Peak	
4	pp14284.030	16.32	40.42	54.10	48.05	50.69	68.20	-17.51	Peak	
5	15942.300	17.22	38.32	53.72	48.17	49.99	74.00	-24.01	Peak	
6	18000.000	18.35	42.60	54.30	46.06	52.71	74.00	-21.29	Peak	

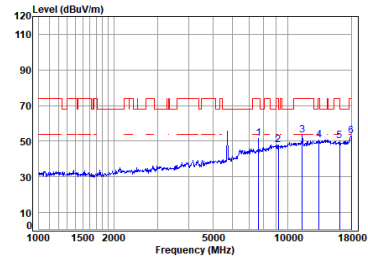
11a_TX_CH_144_Horizontal



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5720 TX RSE
: 5G Wi-Fi 11A

	Freq	Cable Loss	Factor	Ant Factor	Preamp	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB		dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7628.806	11.19	36.68	56.11	57.72	49.48	74.00	-24.52	Peak	
2	pp 9952.717	12.91	38.71	53.65	51.01	48.98	68.20	-19.22	Peak	
3	11433.910	14.50	39.27	53.37	50.45	50.85	74.00	-23.15	Peak	
4	14491.960	17.07	40.22	54.10	48.43	51.62	74.00	-22.38	Peak	
5	16081.140	17.09	37.96	53.72	47.93	49.26	74.00	-24.74	Peak	
6	17948.050	18.30	42.29	54.28	46.66	52.97	74.00	-21.03	Peak	

11a_TX_CH_144_Vertical

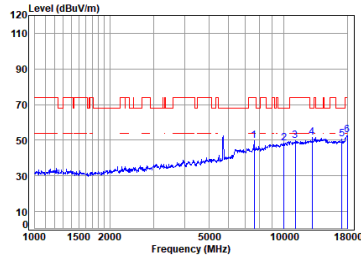


Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5720 TX RSE
: 5G Wi-Fi 11A

	Freq	Cable Loss	Factor	Ant Factor	Preamp	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB		dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7628.806	11.19	36.68	56.11	59.86	51.62	74.00	-22.38	Peak	
2	9178.972	12.28	38.58	54.49	51.68	48.05	74.00	-25.95	Peak	
3	pp11433.910	14.50	39.27	53.37	52.97	53.37	74.00	-20.63	Peak	
4	13365.320	16.13	40.40	53.91	48.09	50.71	74.00	-23.29	Peak	
5	16174.370	17.17	37.90	53.74	49.07	50.40	74.00	-23.60	Peak	
6	18000.000	18.35	42.60	54.30	46.29	52.94	74.00	-21.06	Peak	



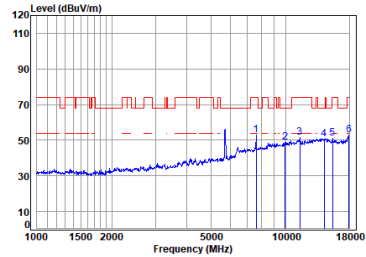
11ac_VHT(40M)_TX_CH_142_Horizontal



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5710 TX RSE
: 5G Wi-Fi 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7606.788	11.11	36.77	56.13	57.94	49.69	74.00	-24.31	Peak
2	10010.420	13.04	38.90	53.60	50.02	48.36	68.20	-19.84	Peak
3	11140.310	14.70	39.38	53.46	49.09	49.71	74.00	-24.29	Peak
4	pp13022.130	15.82	40.10	53.81	49.57	51.68	68.20	-16.52	Peak
5	17136.920	18.23	38.94	53.96	47.52	50.73	68.20	-17.47	Peak
6	18000.000	18.35	42.60	54.30	46.08	52.73	74.00	-21.27	Peak

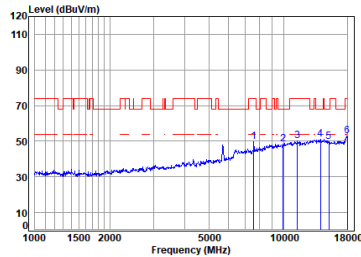
11ac_VHT(40M)_TX_CH_142_Vertical



Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5710 TX RSE
: 5G Wi-Fi 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7606.788	11.11	36.77	56.13	61.40	53.15	74.00	-20.85	Peak
2	9952.717	12.91	38.71	53.65	50.87	48.84	68.20	-19.36	Peak
3	11400.910	14.22	39.30	53.38	51.20	51.34	74.00	-22.66	Peak
4	pp14284.030	16.32	40.42	54.10	48.19	50.83	68.20	-17.37	Peak
5	15443.410	16.82	38.96	53.92	49.22	51.08	74.00	-22.92	Peak
6	17948.050	18.30	42.29	54.28	46.64	52.95	74.00	-21.05	Peak

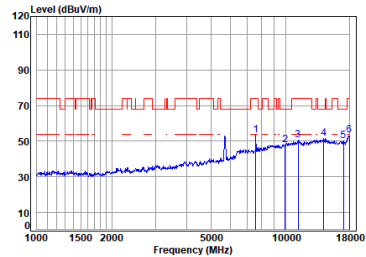
11ac_VHT(80M)_TX_CH_138_Horizontal



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5690 TX RSE
: 5G Wi-Fi 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7584.833	11.11	36.74	56.14	58.10	49.81	74.00	-24.19	Peak
2	9952.717	12.91	38.71	53.65	50.43	48.40	68.20	-19.80	Peak
3	11368.000	14.35	39.33	53.39	49.79	50.08	74.00	-23.92	Peak
4	pp14079.080	16.56	40.44	54.10	48.36	51.26	68.20	-16.94	Peak
5	15221.820	16.75	39.28	54.01	47.89	49.91	68.20	-18.29	Peak
6	18000.000	18.35	42.60	54.30	46.23	52.88	74.00	-21.12	Peak

11ac_VHT(80M)_TX_CH_138_Vertical

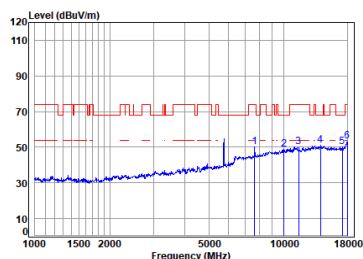


Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5690 TX RSE
: 5G Wi-Fi 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7584.833	11.11	36.74	56.14	61.48	53.19	74.00	-20.81	Peak
2	9952.717	12.91	38.71	53.65	50.10	48.07	68.20	-20.13	Peak
3	11204.900	14.75	39.50	53.44	49.65	50.46	74.00	-23.54	Peak
4	pp14242.800	16.12	40.46	54.10	48.16	51.64	68.20	-16.56	Peak
5	17087.460	18.42	38.89	53.94	46.62	49.99	68.20	-18.21	Peak
6	18000.000	18.35	42.60	54.30	46.65	53.30	74.00	-20.70	Peak



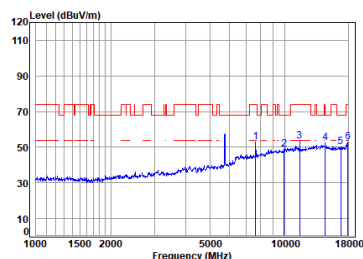
11a_TX_CH_149_Horizontal



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5745 TX RSE
: 5.8G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7650.888	11.27	36.61	56.10	58.28	50.06	74.00	-23.94	Peak
2	10010.420	13.04	38.90	53.60	50.32	48.66	68.20	-19.54	Peak
3	11500.200	15.05	39.20	53.35	49.38	50.28	74.00	-23.72	Peak
4	pp14079.080	16.56	40.44	54.10	47.99	50.89	68.20	-17.31	Peak
5	17186.530	17.91	38.99	53.98	47.48	50.40	68.20	-17.80	Peak
6	18000.000	18.35	42.60	54.30	46.65	53.30	74.00	-20.70	Peak

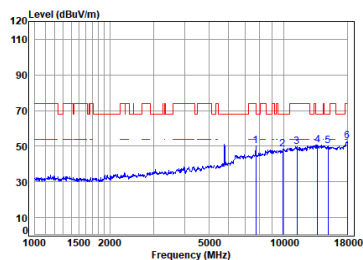
11a_TX_CH_149_Vertical



Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5745 TX RSE
: 5.8G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7650.888	11.27	36.61	56.10	61.02	52.80	74.00	-21.20	Peak
2	9952.717	12.91	38.71	53.65	50.69	48.66	68.20	-19.54	Peak
3	11500.200	15.05	39.20	53.35	52.30	53.20	74.00	-20.80	Peak
4	pp14533.910	16.79	40.20	54.10	49.48	52.37	68.20	-15.83	Peak
5	16842.290	17.77	38.60	53.87	47.65	50.15	68.20	-18.05	Peak
6	17948.050	18.30	42.29	54.28	46.78	53.09	74.00	-20.91	Peak

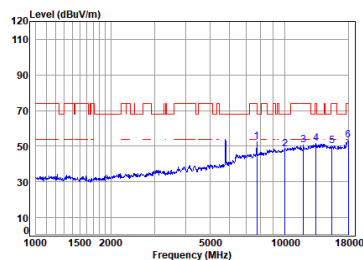
11a_TX_CH_157_Horizontal



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5785 TX RSE
: 5.8G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7717.518	11.43	36.94	56.06	58.04	50.35	74.00	-23.65	Peak
2	9923.991	12.85	38.65	53.68	50.39	48.21	68.20	-19.99	Peak
3	11302.480	14.63	39.40	53.41	49.15	49.77	74.00	-24.23	Peak
4	pp13677.970	16.27	40.32	54.01	48.29	50.87	68.20	-17.33	Peak
5	15090.400	16.70	39.41	54.06	48.22	50.27	68.20	-17.93	Peak
6	18000.000	18.35	42.60	54.30	46.25	52.90	74.00	-21.10	Peak

11a_TX_CH_157_Vertical

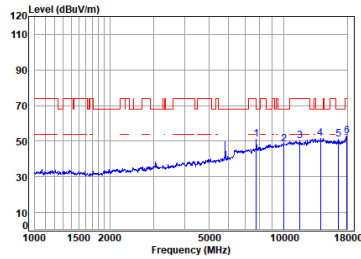


Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5785 TX RSE
: 5.8G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7717.518	11.43	36.94	56.06	60.30	52.61	74.00	-21.39	Peak
2	pp10010.420	13.04	38.90	53.60	50.21	48.55	68.20	-19.65	Peak
3	11906.070	14.89	39.02	53.23	50.00	50.68	74.00	-23.32	Peak
4	13365.320	16.13	40.40	53.91	48.82	51.44	74.00	-22.56	Peak
5	15488.110	16.88	38.91	53.90	48.42	50.31	74.00	-23.69	Peak
6	18000.000	18.35	42.60	54.30	46.52	53.17	74.00	-20.83	Peak



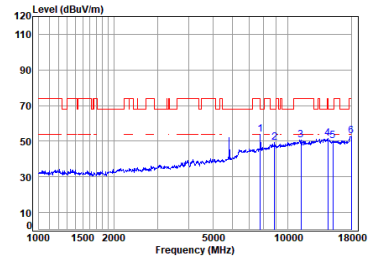
11a_TX_CH_165_Horizontal



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5825 TX RSE
: 5.8G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7762.260	11.36	37.00	56.04	58.99	51.31	68.20	-16.89	Peak
2	10010.420	13.04	38.90	53.60	50.17	48.51	68.20	-19.69	Peak
3	11633.930	14.68	39.03	53.31	49.82	50.22	74.00	-23.78	Peak
4	14038.450	16.51	40.52	54.10	48.63	51.56	68.20	-16.64	Peak
5	16600.640	17.65	38.40	53.82	48.91	51.14	68.20	-17.06	Peak
6	17948.050	18.30	42.29	54.28	46.60	52.91	74.00	-21.09	Peak

11a_TX_CH_165_Vertical



Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5825 TX RSE
: 5.8G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7762.260	11.36	37.00	56.04	61.33	53.65	68.20	-14.55	Peak
2	8866.062	12.23	38.40	54.85	53.31	49.09	68.20	-19.11	Peak
3	11302.480	14.63	39.40	53.41	50.12	50.74	74.00	-23.26	Peak
4	14491.960	17.07	40.22	54.10	48.36	51.55	74.00	-22.45	Peak
5	15221.820	16.75	39.28	54.01	48.23	50.25	68.20	-17.95	Peak
6	18000.000	18.35	42.60	54.30	46.34	52.99	74.00	-21.01	Peak



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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
 Measurement Distance: 3m
 Test Engineer: Mihawk Li

Limit:

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

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

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

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

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

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

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



7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 22.5 °C

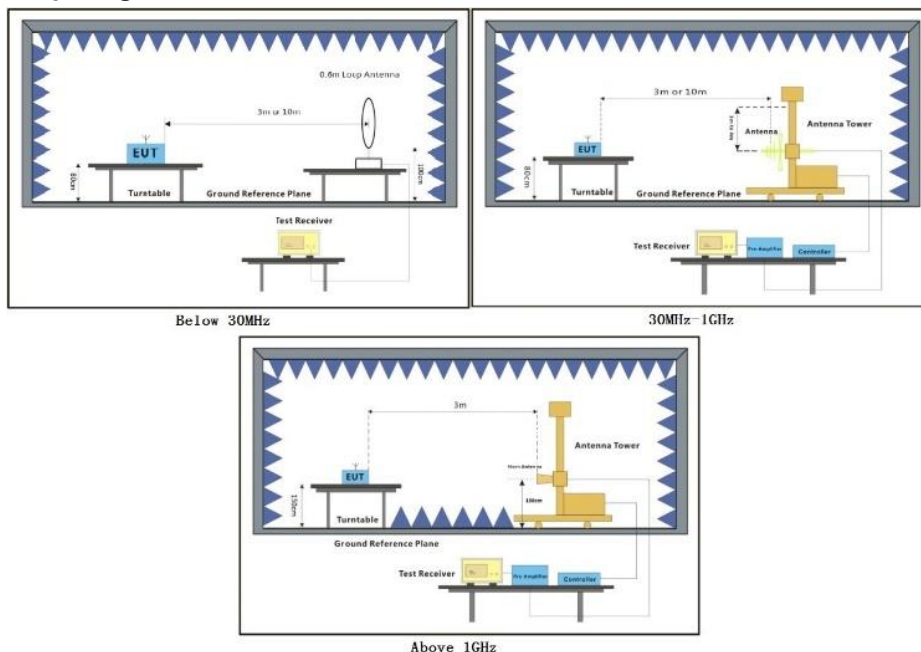
Humidity: 54.9 % RH

Atmospheric Pressure: 1020 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	07	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.4.3 Test Setup Diagram



7.4.4 Measurement Procedure and Data

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

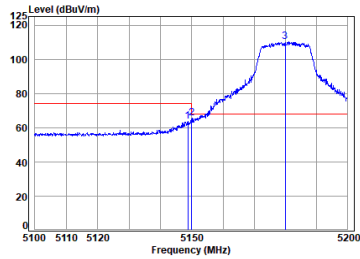
Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Remark 2: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.

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



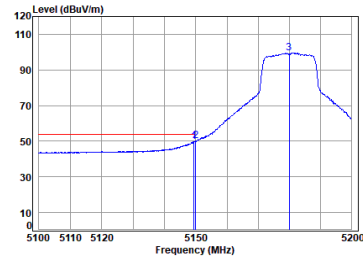
11a_TX_CH_36_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5180 Band edge
: 5G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.757	10.14	33.30	29.95	50.06	63.55	74.00	-10.45	Peak
2	5149.980	10.14	33.30	29.95	52.17	65.66	74.00	-8.34	Peak
3 pp	5180.000	10.25	33.30	29.94	96.59	110.20	68.20	42.00	Peak

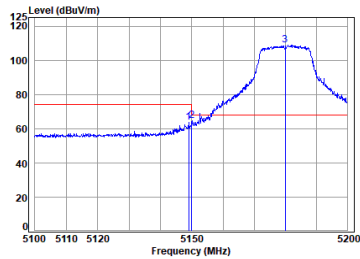
11a_TX_CH_36_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5180 Band edge
: 5G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.357	10.14	33.30	29.95	36.41	49.90	54.00	-4.10	Average
2 pp	5149.980	10.14	33.30	29.95	36.66	50.15	54.00	-3.85	Average
3	5180.000	10.25	33.30	29.94	85.91	99.52	-----	-----	Average

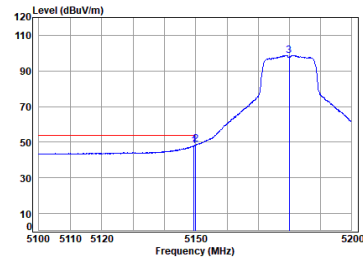
11a_TX_CH_36_Vertical-Peak



Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5180 Band edge
: 5G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.958	10.14	33.30	29.95	50.08	63.57	74.00	-10.43	Peak
2	5149.980	10.14	33.30	29.95	50.98	64.47	74.00	-9.53	Peak
3 pp	5180.000	10.25	33.30	29.94	95.28	108.89	68.20	40.69	Peak

11a_TX_CH_36_Vertical-Avg

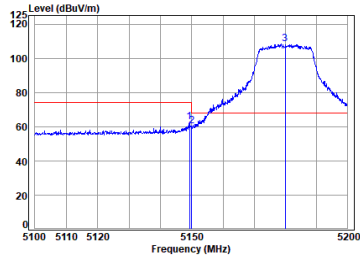


Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5180 Band edge
: 5G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.458	10.14	33.30	29.95	34.60	48.09	54.00	-5.91	Average
2 pp	5149.980	10.14	33.30	29.95	35.18	48.67	54.00	-5.33	Average
3	5180.000	10.25	33.30	29.94	85.14	98.75	-----	-----	Average



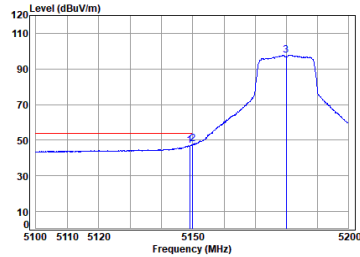
11ac_VHT(20M)_TX_CH_36_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5180 Band edge
: 5G Wi-Fi 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.257	10.14	33.30	29.95	49.11	62.60	74.00	-11.40	Peak
2	5149.980	10.14	33.30	29.95	47.09	60.58	74.00	-13.42	Peak
3 pp	5180.000	10.25	33.30	29.94	94.53	108.14	68.20	39.94	Peak

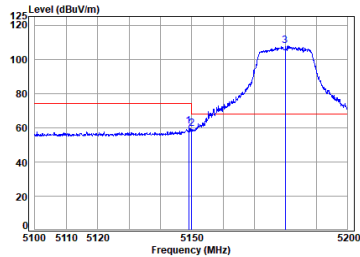
11ac_VHT(20M)_TX_CH_36_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5180 Band edge
: 5G Wi-Fi 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.958	10.14	33.30	29.95	33.64	47.13	54.00	-6.87	Average
2 pp	5149.980	10.14	33.30	29.95	34.19	47.68	54.00	-6.32	Average
3	5180.000	10.25	33.30	29.94	84.26	97.87	-----	-----	Average

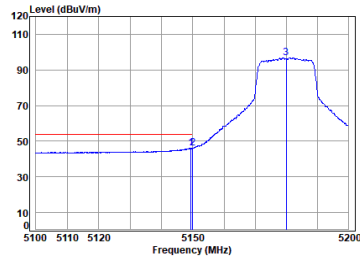
11ac_VHT(20M)_TX_CH_36_Vertical-Peak



Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5180 Band edge
: 5G Wi-Fi 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.057	10.14	33.30	29.95	47.45	60.94	74.00	-13.06	Peak
2	5149.980	10.14	33.30	29.95	45.80	59.29	74.00	-14.71	Peak
3 pp	5180.000	10.25	33.30	29.94	94.29	107.90	68.20	39.70	Peak

11ac_VHT(20M)_TX_CH_36_Vertical-Avg

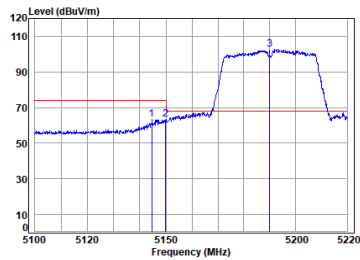


Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5180 Band edge
: 5G Wi-Fi 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.357	10.14	33.30	29.95	32.56	46.05	54.00	-7.95	Average
2 pp	5149.980	10.14	33.30	29.95	32.74	46.23	54.00	-7.77	Average
3	5180.000	10.25	33.30	29.94	83.33	96.94	-----	-----	Average



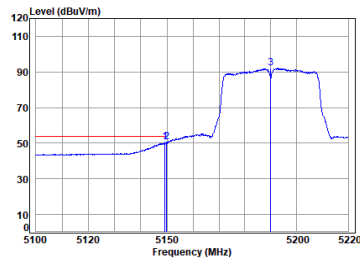
11ac_VHT(40M)_TX_CH_38_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5190 Band edge
: 5G Wi-Fi 11AC40

	Freq	Cable Loss	Factor	Ant Factor	Preamp	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB		dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5144.673	10.12	33.30	29.95	49.89	63.36	74.00	-10.64	Peak	
2	5149.980	10.14	33.30	29.95	49.72	63.21	74.00	-10.79	Peak	
3 pp	5190.000	10.29	33.30	29.94	89.04	102.69	68.20	34.49	Peak	

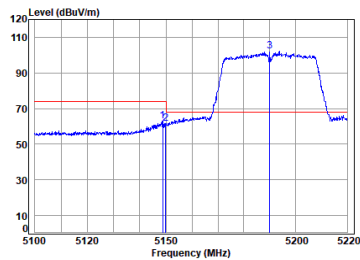
11ac_VHT(40M)_TX_CH_38_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5190 Band edge
: 5G Wi-Fi 11AC40

	Freq	Cable Loss	Factor	Ant Factor	Preamp	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB		dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.342	10.14	33.30	29.95	36.95	50.44	54.00	-3.56	Average	
2 pp	5149.980	10.14	33.30	29.95	37.03	50.52	54.00	-3.48	Average	
3	5190.000	10.29	33.30	29.94	78.41	92.06	-----	-----	Average	

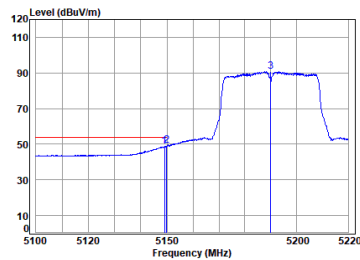
11ac_VHT(40M)_TX_CH_38_Vertical-Peak



Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5190 Band edge
: 5G Wi-Fi 11AC40

	Freq	Cable Loss	Factor	Ant Factor	Preamp	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB		dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.743	10.14	33.30	29.95	49.59	63.08	74.00	-10.92	Peak	
2	5149.980	10.14	33.30	29.95	48.11	61.60	74.00	-12.40	Peak	
3 pp	5190.000	10.29	33.30	29.94	88.40	102.05	68.20	33.85	Peak	

11ac_VHT(40M)_TX_CH_38_Vertical-Avg

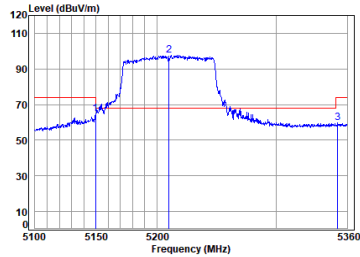


Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5190 Band edge
: 5G Wi-Fi 11AC40

	Freq	Cable Loss	Factor	Ant Factor	Preamp	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB		dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.102	10.14	33.30	29.95	35.12	48.61	54.00	-5.39	Average	
2 pp	5149.980	10.14	33.30	29.95	35.84	49.33	54.00	-4.67	Average	
3	5190.000	10.29	33.30	29.94	77.04	90.69	-----	-----	Average	



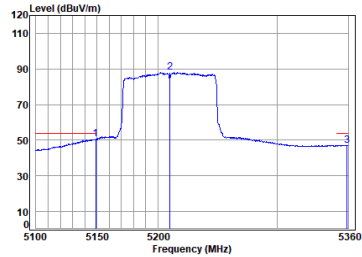
11ac_VHT(80M)_TX_CH_42_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5210 Band edge
: 5G Wi-Fi 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.435	10.14	33.30	29.95	51.17	64.66	74.00	-9.34	Peak
2	5210.000	10.32	33.28	29.93	83.93	97.60	68.20	29.40	Peak
3	5351.744	10.46	33.00	29.89	46.37	59.94	74.00	-14.06	Peak

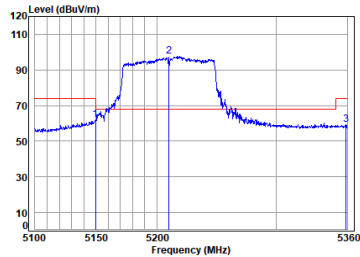
11ac_VHT(80M)_TX_CH_42_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5210 Band edge
: 5G Wi-Fi 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.667	10.14	33.30	29.95	37.05	50.54	54.00	-3.46	Average
2	5210.000	10.32	33.28	29.93	74.34	88.01	54.00	34.01	Average
3	5358.934	10.48	33.02	29.89	33.43	47.04	54.00	-6.96	Average

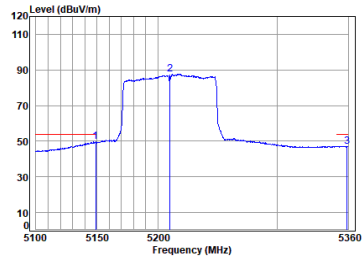
11ac_VHT(80M)_TX_CH_42_Vertical-Peak



Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5210 Band edge
: 5G Wi-Fi 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.435	10.14	33.30	29.95	48.78	62.27	74.00	-11.73	Peak
2	5210.000	10.32	33.28	29.93	84.02	97.69	68.20	29.49	Peak
3	5358.934	10.48	33.02	29.89	45.69	59.30	74.00	-14.70	Peak

11ac_VHT(80M)_TX_CH_42_Vertical-Avg

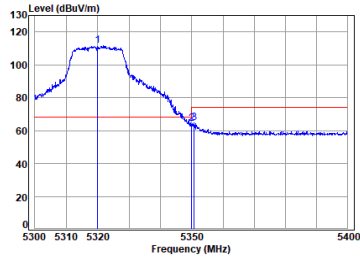


Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5210 Band edge
: 5G Wi-Fi 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.667	10.14	33.30	29.95	36.10	49.59	54.00	-4.41	Average
2	5210.000	10.32	33.28	29.93	74.08	87.75	54.00	33.75	Average
3	5358.934	10.48	33.02	29.89	33.53	47.14	54.00	-6.86	Average



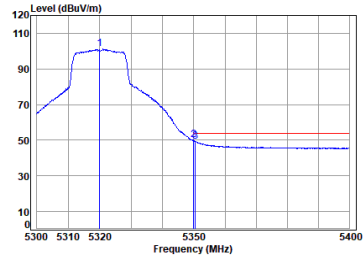
11a_TX_CH_64_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5320 Band edge
: 5G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5320.000	10.35	33.06	29.90	98.26	111.77	68.20	43.57	Peak
2	5350.020	10.45	33.00	29.89	50.85	64.41	74.00	-9.59	Peak
3	5350.767	10.45	33.00	29.89	50.95	64.51	74.00	-9.49	Peak

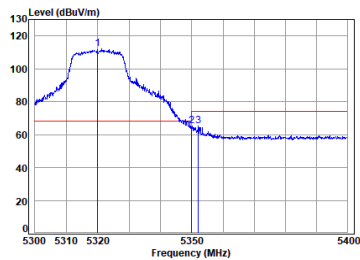
11a_TX_CH_64_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5320 Band edge
: 5G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	10.35	33.06	29.90	87.68	101.19	-----	-----	Average
2	pp 5350.020	10.45	33.00	29.89	36.40	49.96	54.00	-4.04	Average
3	5350.566	10.45	33.00	29.89	35.75	49.31	54.00	-4.69	Average

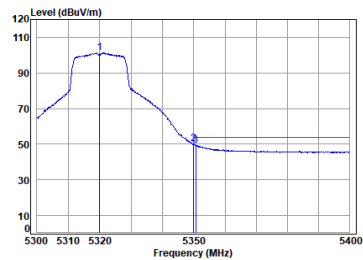
11a_TX_CH_64_Vertical-Peak



Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5320 Band edge
: 5G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5320.000	10.35	33.06	29.90	98.50	112.01	68.20	43.81	Peak
2	5350.020	10.45	33.00	29.89	51.64	65.20	74.00	-8.80	Peak
3	5352.167	10.46	33.00	29.89	51.77	65.34	74.00	-8.66	Peak

11a_TX_CH_64_Vertical-Avg

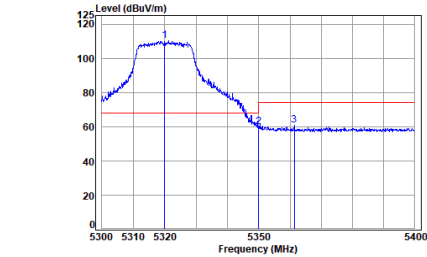


Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5320 Band edge
: 5G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	10.35	33.06	29.90	87.78	101.29	-----	-----	Average
2	pp 5350.020	10.45	33.00	29.89	36.62	50.18	54.00	-3.82	Average
3	5350.667	10.45	33.00	29.89	35.88	49.44	54.00	-4.56	Average



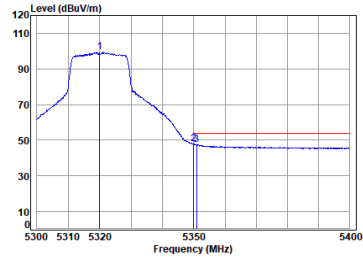
11ac_VHT(20M)_TX_CH_64_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5320 Band edge
: 5G Wi-Fi 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5320.000	10.35	33.06	29.90	96.53	110.04	68.20	41.84	Peak
2	5350.020	10.45	33.00	29.89	46.46	60.02	74.00	-13.98	Peak
3	5361.379	10.49	33.02	29.89	47.02	60.64	74.00	-13.36	Peak

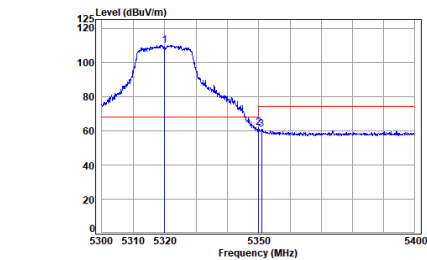
11ac_VHT(20M)_TX_CH_64_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5320 Band edge
: 5G Wi-Fi 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	10.35	33.06	29.90	85.89	99.40	-----	-----	Average
2	pp 5350.020	10.45	33.00	29.89	34.49	48.05	54.00	-5.95	Average
3	5350.866	10.45	33.00	29.89	33.98	47.54	54.00	-6.46	Average

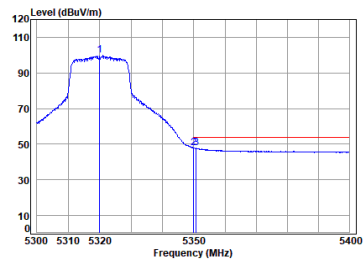
11ac_VHT(20M)_TX_CH_64_Vertical-Peak



Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5320 Band edge
: 5G Wi-Fi 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5320.000	10.35	33.06	29.90	96.42	109.93	68.20	41.73	Peak
2	5350.020	10.45	33.00	29.89	47.99	61.55	74.00	-12.45	Peak
3	5350.866	10.45	33.00	29.89	47.40	60.96	74.00	-13.04	Peak

11ac_VHT(20M)_TX_CH_64_Vertical-Avg

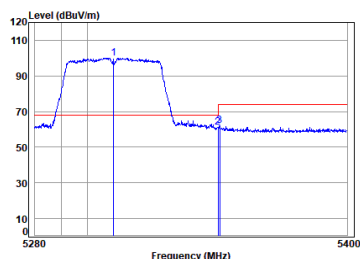


Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5320 Band edge
: 5G Wi-Fi 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	10.35	33.06	29.90	86.19	99.70	-----	-----	Average
2	pp 5350.020	10.45	33.00	29.89	34.36	47.92	54.00	-6.08	Average
3	5350.767	10.45	33.00	29.89	34.35	47.91	54.00	-6.09	Average



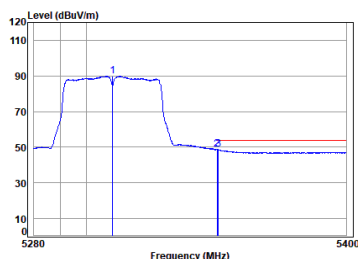
11ac_VHT(40M)_TX_CH_62_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5310 Band edge
: 5G Wi-Fi 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5310.000	10.31	33.00	29.90	86.59	100.08	68.20	31.88	Peak
2	5350.020	10.45	33.00	29.89	47.70	61.26	74.00	-12.74	Peak
3	5350.714	10.45	33.00	29.89	48.66	62.22	74.00	-11.78	Peak

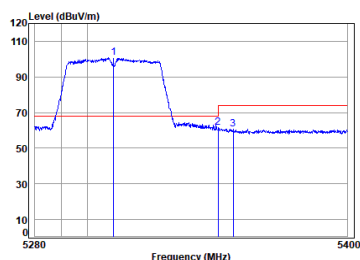
11ac_VHT(40M)_TX_CH_62_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5310 Band edge
: 5G Wi-Fi 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	10.31	33.00	29.90	76.38	89.87	-----	-----	Average
2	5350.020	10.45	33.00	29.89	35.08	48.64	54.00	-5.36	Average
3 pp	5350.594	10.45	33.00	29.89	35.11	48.67	54.00	-5.33	Average

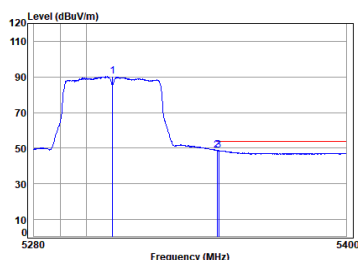
11ac_VHT(40M)_TX_CH_62_Vertical-Peak



Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5310 Band edge
: 5G Wi-Fi 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5310.000	10.31	33.00	29.90	87.20	100.69	68.20	32.49	Peak
2	5350.020	10.45	33.00	29.89	47.85	61.41	74.00	-12.59	Peak
3	5355.887	10.47	33.01	29.89	47.16	60.75	74.00	-13.25	Peak

11ac_VHT(40M)_TX_CH_62_Vertical-Avg

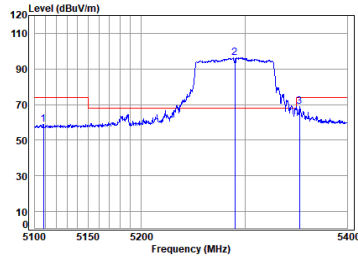


Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5310 Band edge
: 5G Wi-Fi 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	10.31	33.00	29.90	76.67	90.16	-----	-----	Average
2	5350.020	10.45	33.00	29.89	35.28	48.84	54.00	-5.16	Average
3 pp	5350.714	10.45	33.00	29.89	35.38	48.94	54.00	-5.06	Average



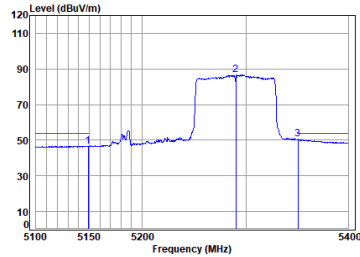
11ac_VHT(80M)_TX_CH_58_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5290 Band edge
: 5G Wi-Fi 11AC80

	Freq	Cable Loss	Ant Factor	Preamp	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5108.169	9.98	33.30	29.96	45.72	59.04	74.00	-14.96	Peak
2	5290.000	10.28	33.12	29.91	82.92	96.41	68.20	28.21	Peak
3	5353.288	10.46	33.01	29.89	55.28	68.86	74.00	-5.14	Peak

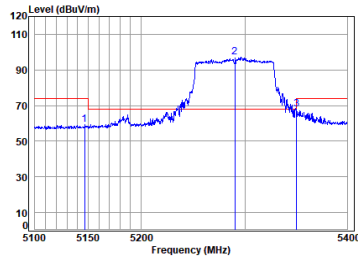
11ac_VHT(80M)_TX_CH_58_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5290 Band edge
: 5G Wi-Fi 11AC80

	Freq	Cable Loss	Ant Factor	Preamp	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.209	10.14	33.30	29.95	33.24	46.73	54.00	-7.27	Average
2	5290.000	10.28	33.12	29.91	73.04	86.53	54.00	32.53	Average
3	5350.535	10.45	33.00	29.89	37.01	50.57	54.00	-3.43	Average

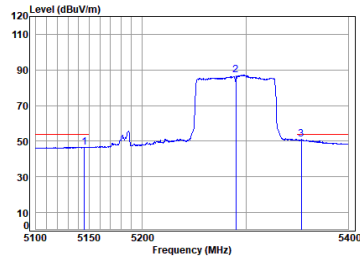
11ac_VHT(80M)_TX_CH_58_Vertical-Peak



Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5290 Band edge
: 5G Wi-Fi 11AC80

	Freq	Cable Loss	Ant Factor	Preamp	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5146.855	10.13	33.30	29.95	45.72	59.20	74.00	-14.80	Peak
2	5290.000	10.28	33.12	29.91	83.70	97.19	68.20	28.99	Peak
3	5350.229	10.45	33.00	29.89	54.27	67.83	74.00	-6.17	Peak

11ac_VHT(80M)_TX_CH_58_Vertical-Avg

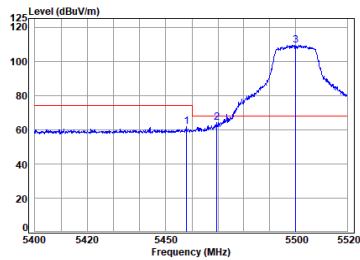


Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5290 Band edge
: 5G Wi-Fi 11AC80

	Freq	Cable Loss	Ant Factor	Preamp	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5145.384	10.12	33.30	29.95	33.28	46.75	54.00	-7.25	Average
2	5290.000	10.28	33.12	29.91	73.75	87.24	54.00	33.24	Average
3	5353.899	10.46	33.01	29.89	37.30	50.88	54.00	-3.12	Average



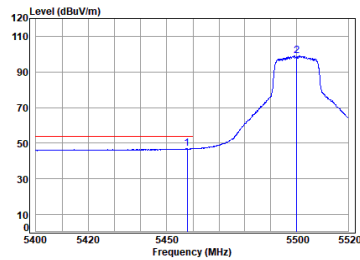
11a_TX_CH_100_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5500 Band edge
: 5G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5457.991	10.60	33.10	29.86	47.82	61.66	74.00	-12.34	Peak
2	5469.639	10.59	33.10	29.85	50.22	64.06	68.20	-4.14	Peak
3 pp	5500.000	10.58	33.10	29.84	95.70	109.54	68.20	41.34	Peak

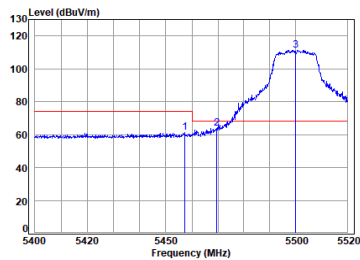
11a_TX_CH_100_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5500 Band edge
: 5G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5457.871	10.60	33.10	29.86	33.15	46.99	54.00	-7.01	Average
2	5500.000	10.58	33.10	29.84	85.11	98.95	-----	-----	Average

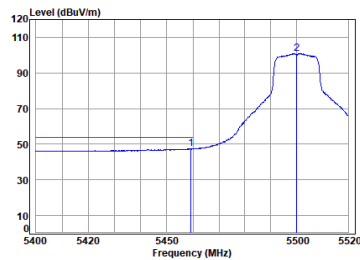
11a_TX_CH_100_Vertical-Peak



Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5500 Band edge
: 5G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5457.271	10.60	33.10	29.86	47.65	61.49	74.00	-12.51	Peak
2	5469.639	10.59	33.10	29.85	49.87	63.71	68.20	-4.49	Peak
3 pp	5500.000	10.58	33.10	29.84	97.61	111.45	68.20	43.25	Peak

11a_TX_CH_100_Vertical-Avg

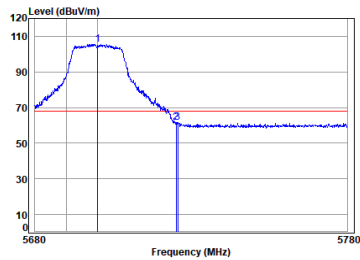


Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5500 Band edge
: 5G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5459.190	10.60	33.10	29.86	33.58	47.42	54.00	-6.58	Average
2	5500.000	10.58	33.10	29.84	87.14	100.98	-----	-----	Average



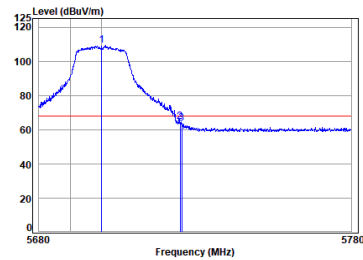
11a_TX_CH_140_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5700 Band edge
: 5G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5700.000	10.56	33.70	29.78	90.94	105.42	68.20	37.22	Peak
2	5725.000	10.68	33.75	29.78	47.17	61.82	68.20	-6.38	Peak
3	5725.583	10.68	33.75	29.78	47.10	61.75	68.20	-6.45	Peak

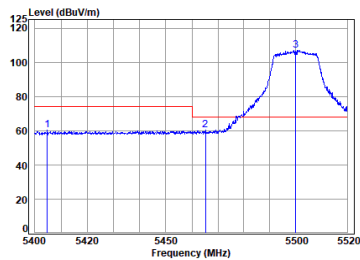
11a_TX_CH_140_Vertical-Peak



Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5700 Band edge
: 5G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5700.000	10.56	33.70	29.78	94.63	109.11	68.20	40.91	Peak
2	5725.000	10.68	33.75	29.78	50.06	64.71	68.20	-3.49	Peak
3	5725.583	10.68	33.75	29.78	48.80	63.45	68.20	-4.75	Peak

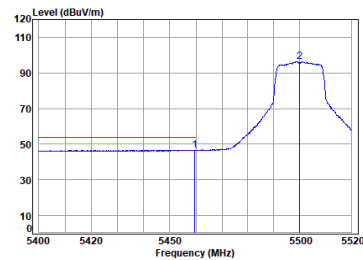
11ac_VHT(20M)_TX_CH_100_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5500 Band edge
: 5G Wi-Fi 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5404.750	10.62	33.10	29.87	46.37	60.22	74.00	-13.78	Peak
2	5465.193	10.59	33.10	29.85	46.56	60.40	68.20	-7.80	Peak
3 pp	5500.000	10.58	33.10	29.84	93.05	106.89	68.20	38.69	Peak

11ac_VHT(20M)_TX_CH_100_Horizontal-Avg

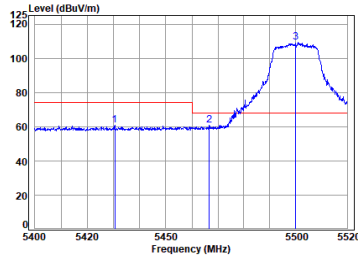


Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5500 Band edge
: 5G Wi-Fi 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5459.550	10.60	33.10	29.86	32.88	46.72	54.00	-7.28	Average
2	5500.000	10.58	33.10	29.84	82.40	96.24	-----	-----	Average



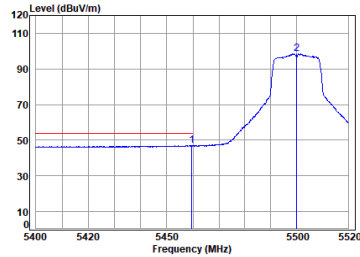
11ac_VHT(20M)_TX_CH_100_Verical-Peak



Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5500 Band edge
: 5G Wi-Fi 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5430.469	10.61	33.10	29.86	46.79	60.64	74.00	-13.36	Peak
2	5466.755	10.59	33.10	29.85	47.21	61.05	68.20	-7.15	Peak
3 pp	5500.000	10.58	33.10	29.84	95.61	109.45	68.20	41.25	Peak

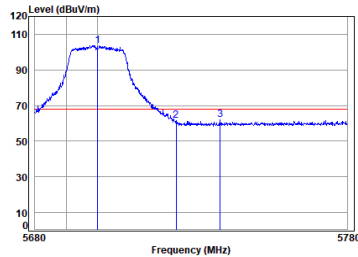
11ac_VHT(20M)_TX_CH_100_Verical-Avg



Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5500 Band edge
: 5G Wi-Fi 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5459.550	10.60	33.10	29.86	33.22	47.06	54.00	-6.94	Average
2	5500.000	10.58	33.10	29.84	84.52	98.36	-----	-----	Average

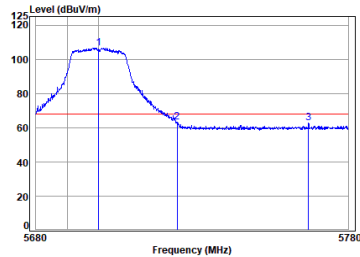
11ac_VHT(20M)_TX_CH_140_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5700 Band edge
: 5G Wi-Fi 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5700.000	10.56	33.70	29.78	89.14	103.62	68.20	35.42	Peak
2	5725.000	10.68	33.75	29.78	46.76	61.41	68.20	-6.79	Peak
3	5739.189	10.74	33.78	29.77	47.09	61.84	68.20	-6.36	Peak

11ac_VHT(20M)_TX_CH_140_Verical-Peak

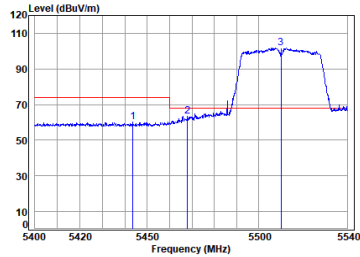


Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5700 Band edge
: 5G Wi-Fi 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5700.000	10.56	33.70	29.78	92.07	106.55	68.20	38.35	Peak
2	5725.000	10.68	33.75	29.78	48.35	63.00	68.20	-5.20	Peak
3	5767.203	10.87	33.87	29.77	47.76	62.73	68.20	-5.47	Peak



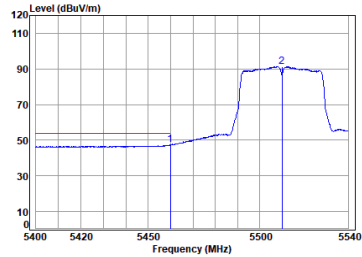
11ac_VHT(40M)_TX_CH_102_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5510 Band edge
: 5G Wi-Fi 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5443.575	10.60	33.10	29.86	46.34	60.18	74.00	-13.82	Peak
2	5468.012	10.59	33.10	29.85	49.49	63.33	68.20	-4.87	Peak
3 pp	5510.000	10.56	33.10	29.84	88.15	101.97	68.20	33.77	Peak

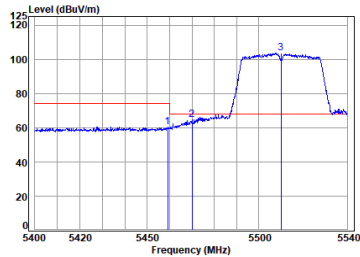
11ac_VHT(40M)_TX_CH_102_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5510 Band edge
: 5G Wi-Fi 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5459.901	10.60	33.10	29.86	33.48	47.32	54.00	-6.68	Average
2	5510.000	10.56	33.10	29.84	77.47	91.29	-----	-----	Average

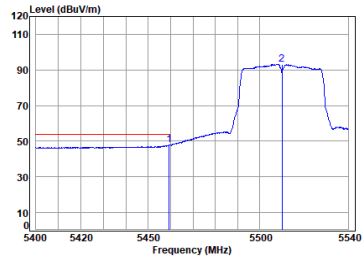
11ac_VHT(40M)_TX_CH_102_Vertical-Peak



Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5510 Band edge
: 5G Wi-Fi 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5459.202	10.60	33.10	29.86	46.74	60.58	74.00	-13.42	Peak
2	5469.972	10.59	33.10	29.85	50.61	64.45	68.20	-3.75	Peak
3 pp	5510.000	10.56	33.10	29.84	89.70	103.52	68.20	35.32	Peak

11ac_VHT(40M)_TX_CH_102_Vertical-Avg

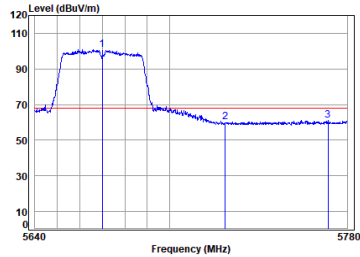


Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5510 Band edge
: 5G Wi-Fi 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5459.342	10.60	33.10	29.86	34.01	47.85	54.00	-6.15	Average
2	5510.000	10.56	33.10	29.84	79.38	93.20	-----	-----	Average



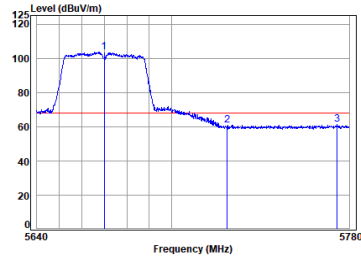
11ac_VHT(40M)_TX_CH_134_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5670 Band edge
: 5G Wi-Fi 11AC40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp 5670.000	10.52	33.52	29.79	86.79	101.04	68.20	32.84	Peak
2 5725.000	10.68	33.75	29.78	45.79	60.44	68.20	-7.76	Peak
3 5771.361	10.89	33.89	29.76	46.22	61.24	68.20	-6.96	Peak

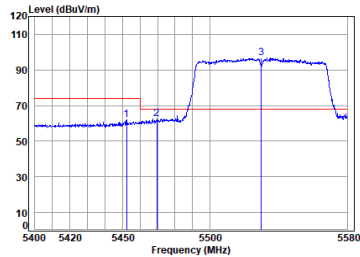
11ac_VHT(40M)_TX_CH_134_Vertical-Peak



Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5670 Band edge
: 5G Wi-Fi 11AC40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp 5670.000	10.52	33.52	29.79	89.34	103.59	68.20	35.39	Peak
2 5725.000	10.68	33.75	29.78	46.16	60.81	68.20	-7.39	Peak
3 5774.476	10.90	33.90	29.76	46.08	61.12	68.20	-7.08	Peak

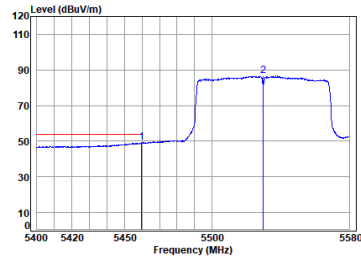
11ac_VHT(80M)_TX_CH_106_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5530 Band edge
: 5G Wi-Fi 11AC80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5452.309	10.60	33.10	29.86	48.14	61.98	74.00	-12.02	Peak
2 5469.678	10.59	33.10	29.85	48.75	62.59	68.20	-5.61	Peak
3 pp 5530.000	10.53	33.10	29.83	82.82	96.62	68.20	28.42	Peak

11ac_VHT(80M)_TX_CH_106_Horizontal-Avg

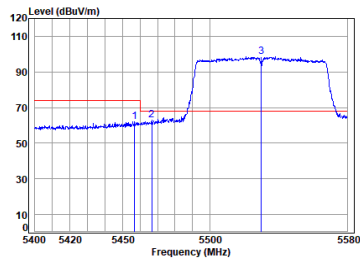


Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5530 Band edge
: 5G Wi-Fi 11AC80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp 5459.823	10.60	33.10	29.86	35.23	49.07	54.00	-4.93	Average
2 5530.000	10.53	33.10	29.83	72.77	86.57	-----	-----	Average



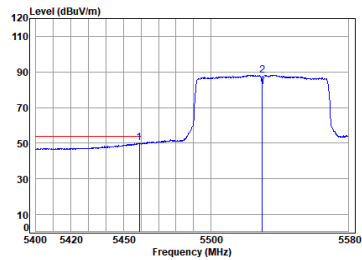
11ac_VHT(80M)_TX_CH_106_Verical-Peak



Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5530 Band edge
: 5G Wi-Fi 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5456.780	10.60	33.10	29.86	48.29	62.13	74.00	-11.87	Peak
2	5466.630	10.59	33.10	29.85	48.95	62.79	68.20	-5.41	Peak
3 pp	5530.000	10.53	33.10	29.83	84.96	98.76	68.20	30.56	Peak

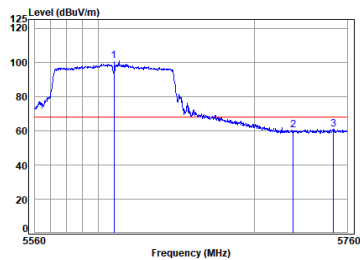
11ac_VHT(80M)_TX_CH_106_Verical-Avg



Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5530 Band edge
: 5G Wi-Fi 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5459.107	10.60	33.10	29.86	36.14	49.98	54.00	-4.02	Average
2	5530.000	10.53	33.10	29.83	74.46	88.26	-----	-----	Average

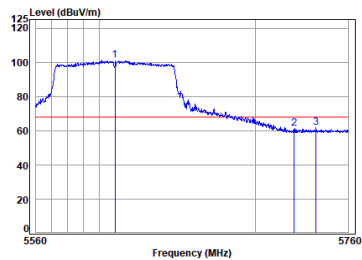
11ac_VHT(80M)_TX_CH_122_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5610 Band edge
: 5G Wi-Fi 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5610.000	10.43	33.40	29.81	86.60	100.62	68.20	32.42	Peak
2	5725.000	10.68	33.75	29.78	45.58	60.23	68.20	-7.97	Peak
3	5751.051	10.80	33.80	29.77	45.90	60.73	68.20	-7.47	Peak

11ac_VHT(80M)_TX_CH_122_Verical-Peak

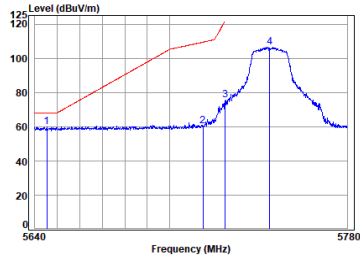


Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5610 Band edge
: 5G Wi-Fi 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5610.000	10.43	33.40	29.81	87.11	101.13	68.20	32.93	Peak
2	5725.000	10.68	33.75	29.78	46.56	61.21	68.20	-6.99	Peak
3	5739.072	10.74	33.78	29.77	47.10	61.85	68.20	-6.35	Peak



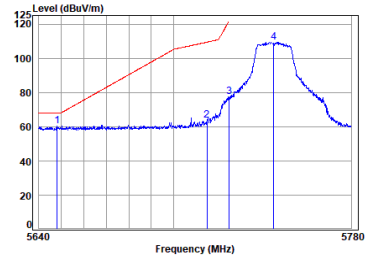
11a_TX_CH_149_Horizontal



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5745 Band edge
: 5.8G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5645.396	10.48	33.40	29.80	45.66	59.74	68.20	-8.46	Peak
2	5715.000	10.63	33.73	29.78	45.81	60.39	109.40	-49.01	Peak
3	5725.000	10.68	33.75	29.78	61.09	75.74	122.20	-46.46	Peak
4	5745.000	10.77	33.79	29.77	91.77	106.56	-----	-----	Peak

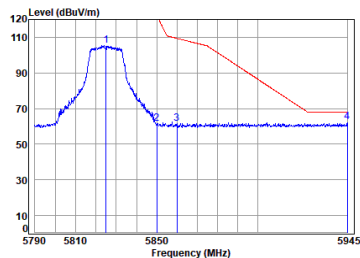
11a_TX_CH_149_Vertical



Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5745 Band edge
: 5.8G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5648.165	10.48	33.40	29.80	46.14	60.22	68.20	-7.98	Peak
2	5715.000	10.63	33.73	29.78	49.14	63.72	109.40	-45.68	Peak
3	5725.000	10.68	33.75	29.78	62.59	77.24	122.20	-44.96	Peak
4	5745.000	10.77	33.79	29.77	94.75	109.54	-----	-----	Peak

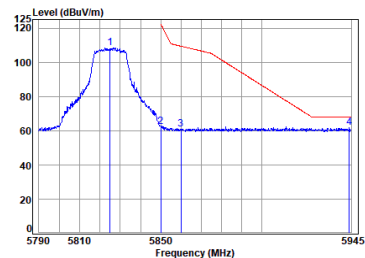
11a_TX_CH_165_Horizontal



Condition: 3m HORIZONTAL
Job No : 05587AT
Mode : 5825 Band edge
: 5.8G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.000	10.99	34.10	29.75	89.87	105.21	-----	-----	Peak
2	5850.000	10.95	34.20	29.74	46.05	61.46	122.20	-60.74	Peak
3	5860.000	10.94	34.22	29.74	46.36	61.78	109.40	-47.62	Peak
4 pp	5945.000	10.85	34.21	29.72	47.39	62.73	68.20	-5.47	Peak

11a_TX_CH_165_Vertical

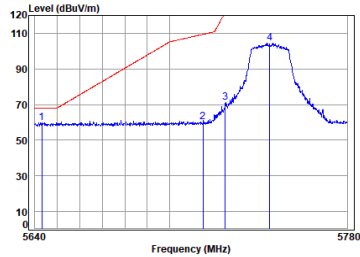


Condition: 3m VERTICAL
Job No : 05587AT
Mode : 5825 Band edge
: 5.8G Wi-Fi 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.000	10.99	34.10	29.75	93.25	108.59	-----	-----	Peak
2	5850.000	10.95	34.20	29.74	46.68	62.09	122.20	-60.11	Peak
3	5860.000	10.94	34.22	29.74	45.65	61.07	109.40	-48.33	Peak
4 pp	5944.058	10.85	34.21	29.72	46.31	61.65	68.20	-6.55	Peak



11ac_VHT(20M)_TX_CH_149_Horizontal



Condition: 3m HORIZONTAL

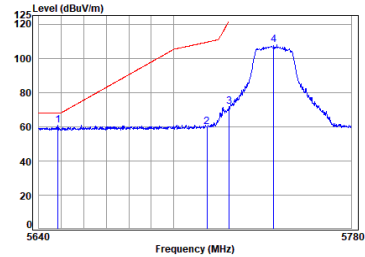
Job No : 05587AT

Mode : 5745 Band edge

: 5.8G Wi-Fi 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5643.043	10.47	33.40	29.80	45.89	59.96	68.20	-8.24	Peak
2	5715.000	10.63	33.73	29.78	45.64	60.22	109.40	-49.18	Peak
3	5725.000	10.68	33.75	29.78	56.71	71.36	122.20	-50.84	Peak
4	5745.000	10.77	33.79	29.77	89.73	104.52	-----	-----	Peak

11ac_VHT(20M)_TX_CH_149_Vertical



Condition: 3m VERTICAL

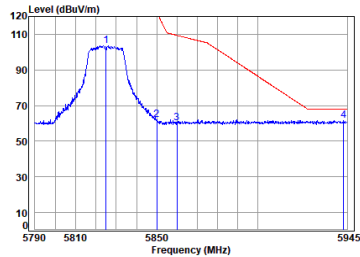
Job No : 05587AT

Mode : 5745 Band edge

: 5.8G Wi-Fi 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5648.442	10.48	33.40	29.80	46.77	60.85	68.20	-7.35	Peak
2	5715.000	10.63	33.73	29.78	45.52	60.10	109.40	-49.30	Peak
3	5725.000	10.68	33.75	29.78	57.21	71.86	122.20	-50.34	Peak
4	5745.000	10.77	33.79	29.77	93.12	107.91	-----	-----	Peak

11ac_VHT(20M)_TX_CH_165_Horizontal



Condition: 3m HORIZONTAL

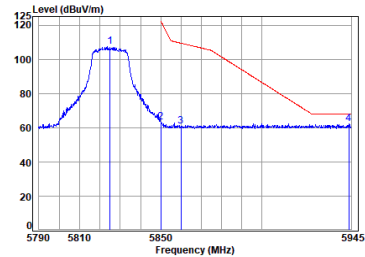
Job No : 05587AT

Mode : 5825 Band edge

: 5.8G Wi-Fi 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.000	10.99	34.10	29.75	88.39	103.73	-----	-----	Peak
2	5850.000	10.95	34.20	29.74	46.75	62.16	122.20	-60.04	Peak
3	5860.000	10.94	34.22	29.74	44.92	60.34	109.40	-49.06	Peak
4	5943.272	10.86	34.21	29.72	46.32	61.67	68.20	-6.53	Peak

11ac_VHT(20M)_TX_CH_165_Vertical



Condition: 3m VERTICAL

Job No : 05587AT

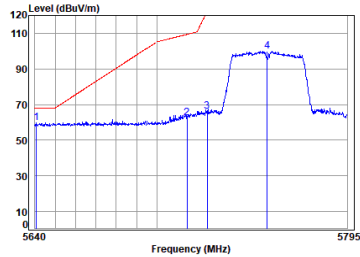
Mode : 5825 Band edge

: 5.8G Wi-Fi 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.000	10.99	34.10	29.75	92.14	107.48	-----	-----	Peak
2	5850.000	10.95	34.20	29.74	47.94	63.35	122.20	-58.85	Peak
3	5860.000	10.94	34.22	29.74	45.33	60.75	109.40	-48.65	Peak
4	5943.744	10.85	34.21	29.72	46.77	62.11	68.20	-6.09	Peak



11ac_VHT(40M)_TX_CH_151_Horizontal



Condition: 3m HORIZONTAL

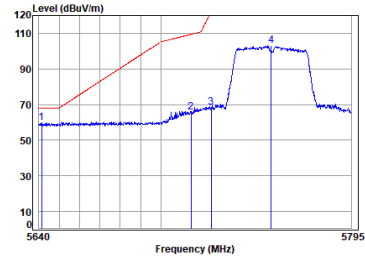
Job No : 05587AT

Mode : 5755 Band edge

: 5.8G Wi-Fi 11AC40

	Freq	Cable Loss	Factor	Ant Factor	Preamp	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB		dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5640.765	10.47	33.40	29.80	45.55	59.62	68.20	-8.58	Peak	
2	5715.000	10.63	33.73	29.78	47.99	62.57	109.40	-46.83	Peak	
3	5725.000	10.68	33.75	29.78	51.69	66.34	122.20	-55.86	Peak	
4	5755.000	10.81	33.82	29.77	85.10	99.96	-----	-----	Peak	

11ac_VHT(40M)_TX_CH_151_Vertical



Condition: 3m VERTICAL

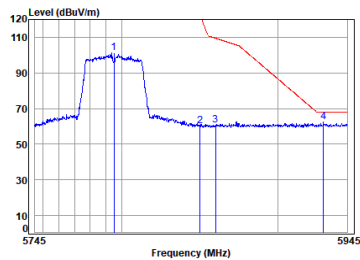
Job No : 05587AT

Mode : 5755 Band edge

: 5.8G Wi-Fi 11AC40

	Freq	Cable Loss	Factor	Ant Factor	Preamp	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB		dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5641.376	10.47	33.40	29.80	45.88	59.95	68.20	-8.25	Peak	
2	5715.000	10.63	33.73	29.78	51.14	65.72	109.40	-43.68	Peak	
3	5725.000	10.68	33.75	29.78	54.01	68.66	122.20	-53.54	Peak	
4	5755.000	10.81	33.82	29.77	88.04	102.90	-----	-----	Peak	

11ac_VHT(40M)_TX_CH_159_Horizontal



Condition: 3m HORIZONTAL

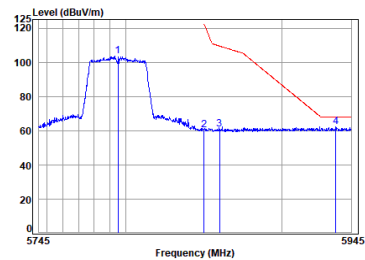
Job No : 05587AT

Mode : 5795 Band edge

: 5.8G Wi-Fi 11AC40

	Freq	Cable Loss	Factor	Ant Factor	Preamp	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB		dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.000	11.00	33.98	29.76	85.96	101.18	-----	-----	Peak	
2	5850.000	10.95	34.20	29.74	44.97	60.38	122.20	-61.82	Peak	
3	5860.000	10.94	34.22	29.74	45.31	60.73	109.40	-48.67	Peak	
4	5929.559	10.87	34.24	29.72	46.91	62.30	68.20	-5.90	Peak	

11ac_VHT(40M)_TX_CH_159_Vertical



Condition: 3m VERTICAL

Job No : 05587AT

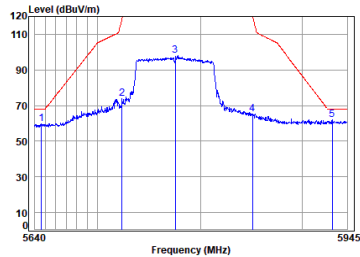
Mode : 5795 Band edge

: 5.8G Wi-Fi 11AC40

	Freq	Cable Loss	Factor	Ant Factor	Preamp	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB		dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.000	11.00	33.98	29.76	88.24	103.46	-----	-----	Peak	
2	5850.000	10.95	34.20	29.74	44.73	60.14	122.20	-62.06	Peak	
3	5860.000	10.94	34.22	29.74	45.38	60.80	109.40	-48.60	Peak	
4	5935.040	10.86	34.23	29.72	46.74	62.11	68.20	-6.09	Peak	



11ac_VHT(80M)_TX_CH_155_Horizontal



Condition: 3m HORIZONTAL

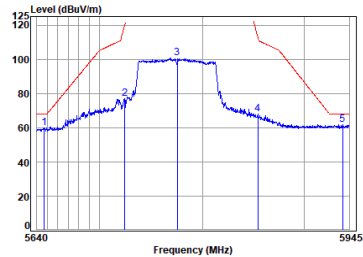
Job No : 05587AT

Mode : 5775 Band edge

: 5.8G Wi-Fi 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5646.241	10.48	33.40	29.80	45.86	59.94	68.20	-8.26	Peak
2	5723.486	10.67	33.75	29.78	59.28	73.92	118.75	-44.83	Peak
3	5775.000	10.91	33.90	29.76	82.92	97.97	-----	-----	Peak
4	5850.883	10.95	34.20	29.74	50.04	65.45	120.19	-54.74	Peak
5 pp	5929.990	10.87	34.24	29.72	46.50	61.89	68.20	-6.31	Peak

11ac_VHT(80M)_TX_CH_155_Vertical



Condition: 3m VERTICAL

Job No : 05587AT

Mode : 5775 Band edge

: 5.8G Wi-Fi 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5646.836	10.48	33.40	29.80	45.79	59.87	68.20	-8.33	Peak
2	5724.390	10.67	33.75	29.78	62.45	77.09	120.81	-43.72	Peak
3	5775.000	10.91	33.90	29.76	85.50	100.55	-----	-----	Peak
4	5853.965	10.95	34.21	29.74	52.70	68.12	113.16	-45.04	Peak
5 pp	5938.429	10.86	34.22	29.72	46.54	61.90	68.20	-6.30	Peak



7.5 Duty Cycle

Test Requirement: ANSI C63.10 (2020) Section 12.2
 Test Method: ANSI C63.10 (2020) Section 12.2
 Test Engineer: Linvo Ding

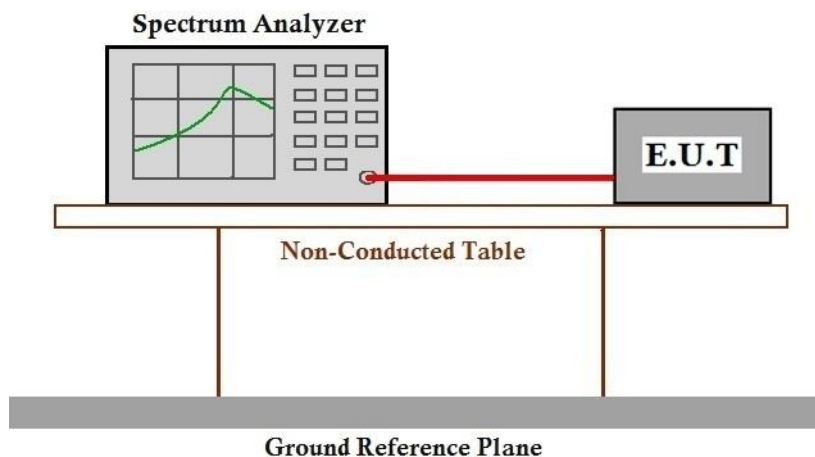
7.5.1 E.U.T. Operation

Operating Environment:
 Temperature: 19.9 °C Humidity: 72.3 % RH Atmospheric Pressure: 1020 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	07	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. 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

7.6 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: Linvo Ding

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.

7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 19.9 °C

Humidity: 72.3 % RH

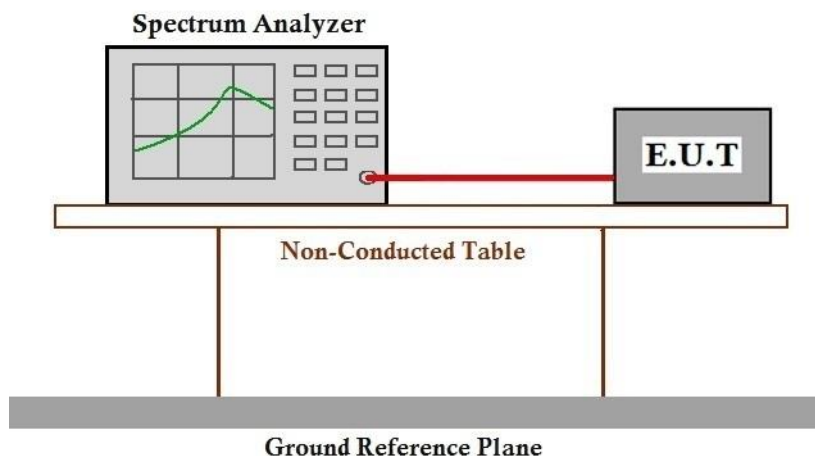
Atmospheric Pressure: 1020 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	07	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.



7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

$$\text{AV Output power Level} = \text{Reading level} + \text{Cable loss} + \text{DCCF}$$

Please Refer to Appendix for Details



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8 Test Setup Photo

Refer to Appendix - Test Setup Photo for SZCR2512005587AT

9 EUT Constructional Details (EUT Photos)

Refer to Appendix – External and Internal Photos for SZCR2512005587AT



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	2.064	98.30	0.07	0.00
		5200	2.029	2.065	98.26	0.08	0.00
		5240	2.030	2.065	98.31	0.07	0.03
		5260	2.030	2.065	98.31	0.07	0.00
		5300	2.030	2.065	98.31	0.07	0.03
		5320	2.029	2.065	98.26	0.08	0.00
		5500	2.030	2.065	98.31	0.07	0.03
		5580	2.030	2.065	98.31	0.07	0.03
		5700	2.030	2.065	98.31	0.07	0.04
		5745	2.030	2.065	98.31	0.07	0.04
		5785	2.030	2.065	98.31	0.07	0.00
		5825	2.030	2.065	98.31	0.07	0.03
		5720	2.029	2.064	98.30	0.07	0.00
802.11n (HT20)	SISO	5180	1.890	1.926	98.13	0.08	0.03
		5200	1.890	1.925	98.18	0.08	0.00
		5240	1.889	1.924	98.18	0.08	0.00
		5260	1.890	1.925	98.18	0.08	0.03
		5300	1.890	1.926	98.13	0.08	0.03
		5320	1.890	1.925	98.18	0.08	0.03
		5500	1.890	1.925	98.18	0.08	0.03
		5580	1.890	1.926	98.13	0.08	0.03
		5700	1.890	1.925	98.18	0.08	0.00
		5745	1.890	1.925	98.18	0.08	0.03
		5785	1.889	1.924	98.18	0.08	0.00
		5825	1.890	1.925	98.18	0.08	0.03
		5720	1.890	1.925	98.18	0.08	0.03
802.11n (HT40)	SISO	5190	0.929	0.964	96.37	0.16	0.00
		5230	0.929	0.964	96.37	0.16	0.00



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		5270	0.928	0.963	96.37	0.16	0.00
		5310	0.929	0.964	96.37	0.16	0.03
		5510	0.929	0.964	96.37	0.16	0.03
		5550	0.929	0.964	96.37	0.16	0.03
		5670	0.929	0.964	96.37	0.16	0.00
		5755	0.929	0.964	96.37	0.16	0.00
		5795	0.929	0.964	96.37	0.16	0.00
		5710	0.929	0.964	96.37	0.16	0.00
802.11ac (VHT20)	SISO	5180	1.901	1.936	98.19	0.08	0.00
		5200	1.902	1.937	98.19	0.08	0.03
		5240	1.902	1.938	98.14	0.08	0.03
		5260	1.902	1.937	98.19	0.08	0.03
		5300	1.902	1.938	98.14	0.08	0.03
		5320	1.901	1.936	98.19	0.08	0.00
		5500	1.902	1.937	98.19	0.08	0.03
		5580	1.901	1.937	98.14	0.08	0.00
		5700	1.902	1.937	98.19	0.08	0.03
		5745	1.902	1.937	98.19	0.08	0.00
		5785	1.902	1.937	98.19	0.08	0.03
		5825	1.901	1.936	98.19	0.08	0.03
		5720	1.902	1.938	98.14	0.08	0.03
802.11ac (VHT40)	SISO	5190	0.937	0.972	96.40	0.16	0.00
		5230	0.937	0.972	96.40	0.16	0.03
		5270	0.937	0.972	96.40	0.16	0.00
		5310	0.937	0.972	96.40	0.16	0.00
		5510	0.937	0.972	96.40	0.16	0.03
		5550	0.937	0.972	96.40	0.16	0.03
		5670	0.937	0.972	96.40	0.16	0.00
		5755	0.937	0.972	96.40	0.16	0.00
		5795	0.937	0.972	96.40	0.16	0.07
		5710	0.937	0.972	96.40	0.16	0.00
802.11ac (VHT80)	SISO	5210	0.457	0.493	92.70	0.33	0.07
		5290	0.456	0.492	92.68	0.33	0.07
		5530	0.457	0.492	92.89	0.32	0.03
		5610	0.458	0.492	93.09	0.31	0.10
		5775	0.456	0.492	92.68	0.33	0.07
		5690	0.456	0.492	92.68	0.33	0.03



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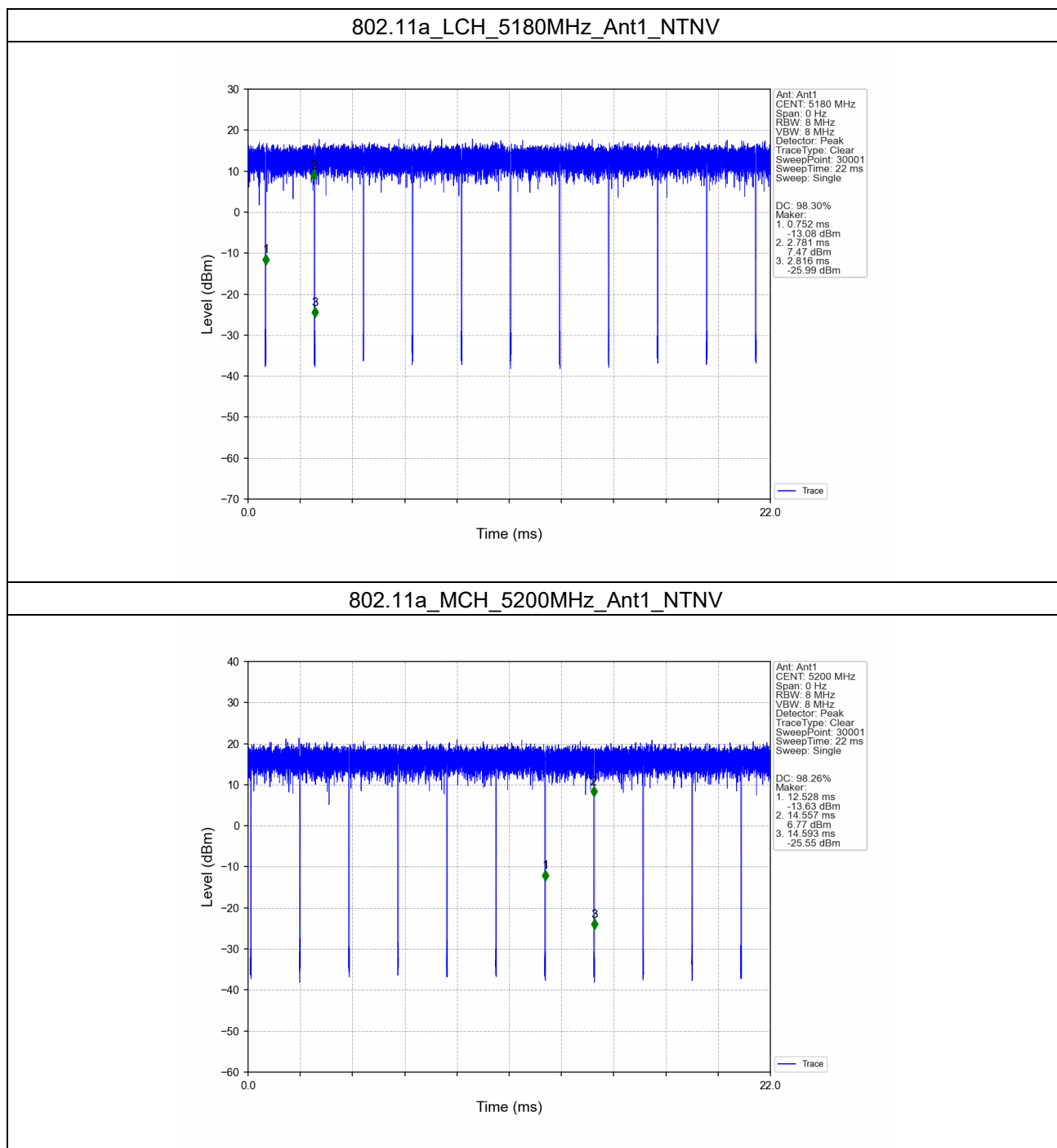
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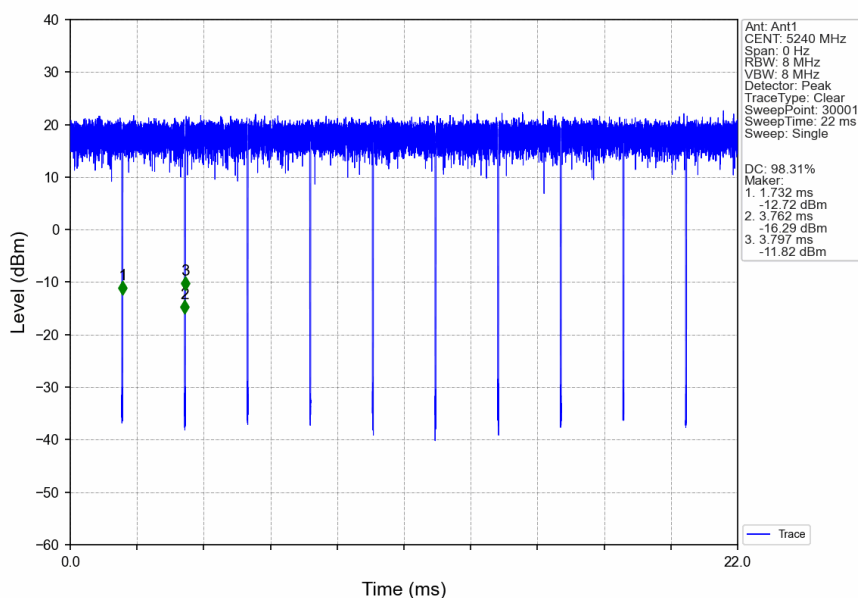
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1.2 Test Graph

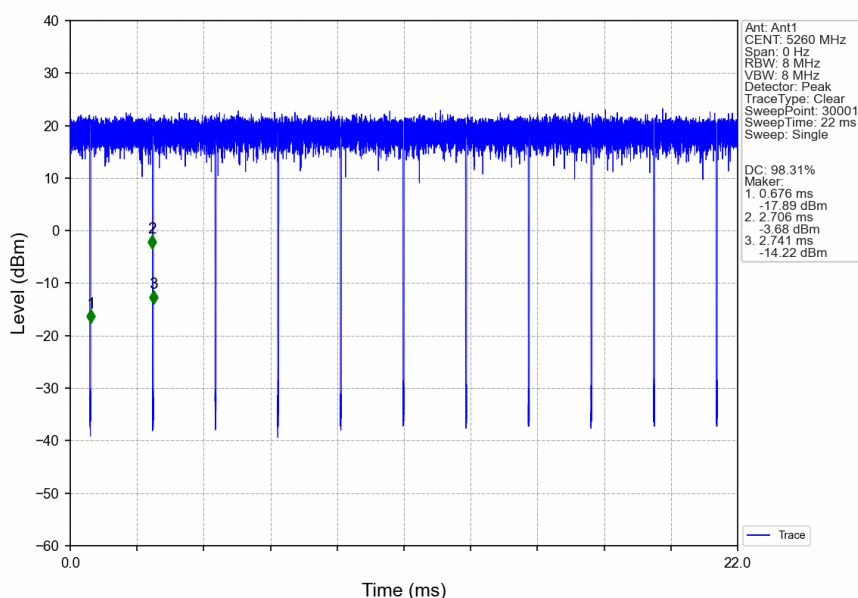
1.2.1 Ant1



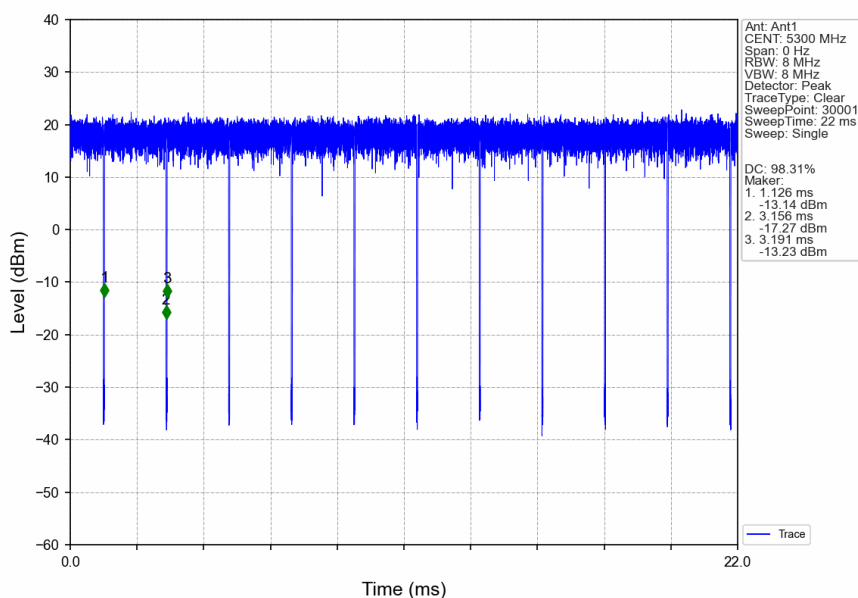
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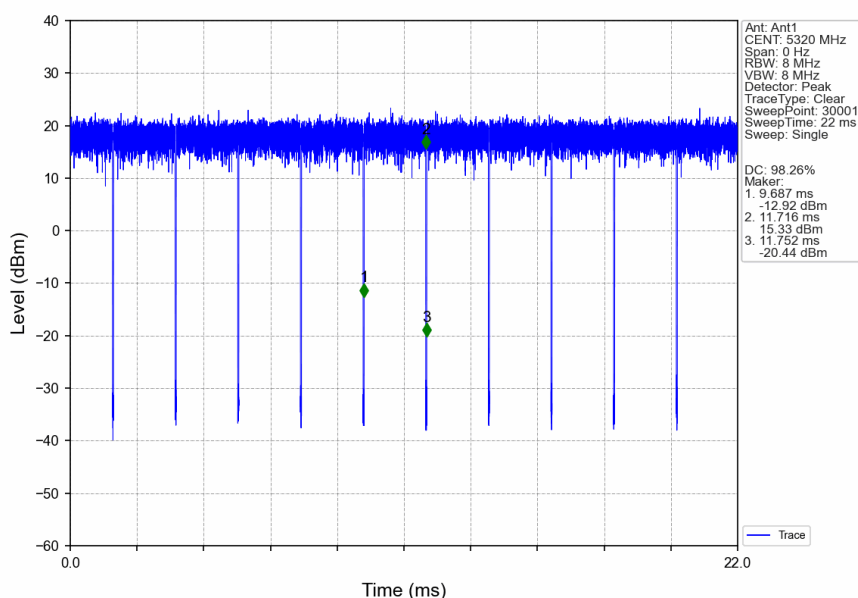
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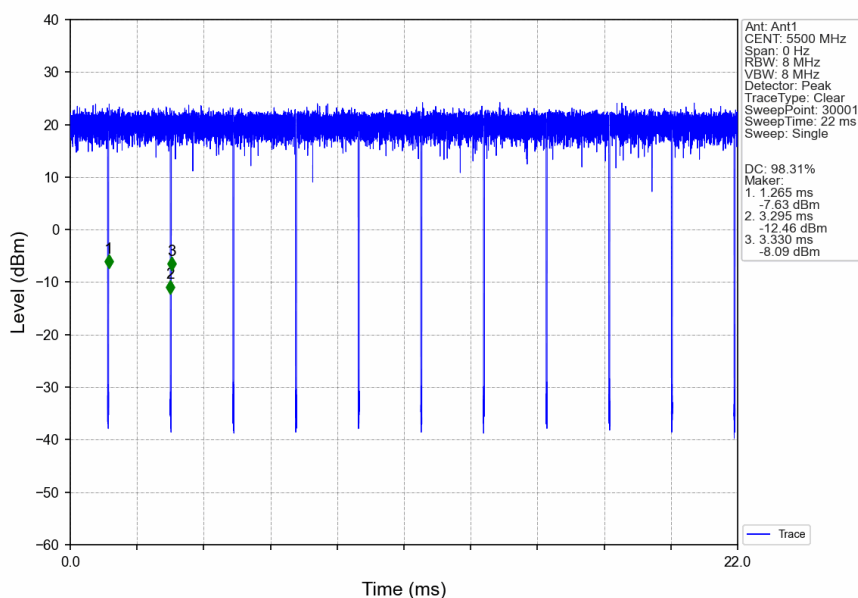
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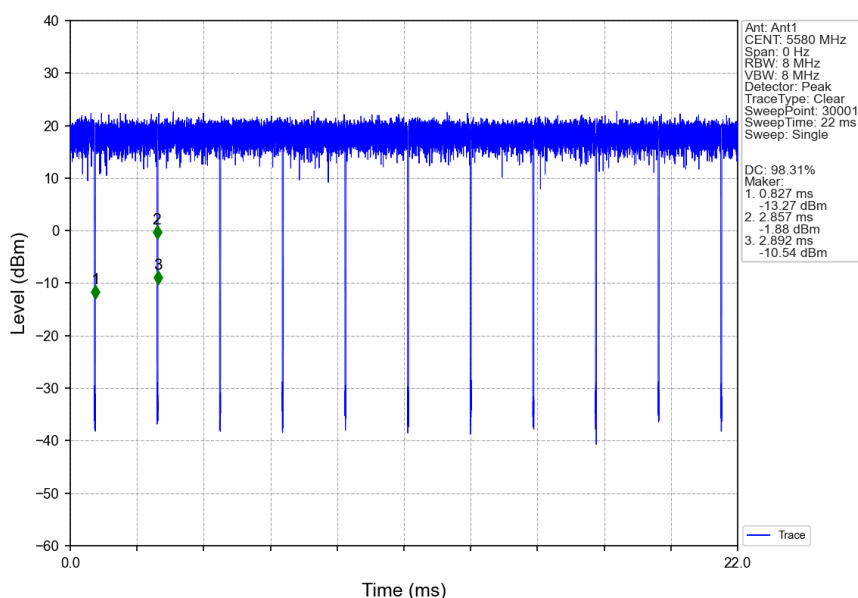
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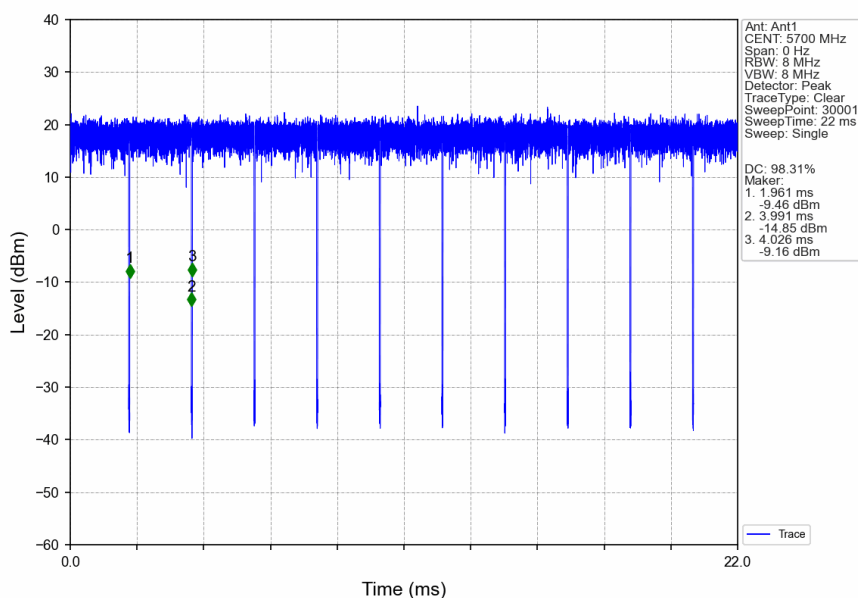
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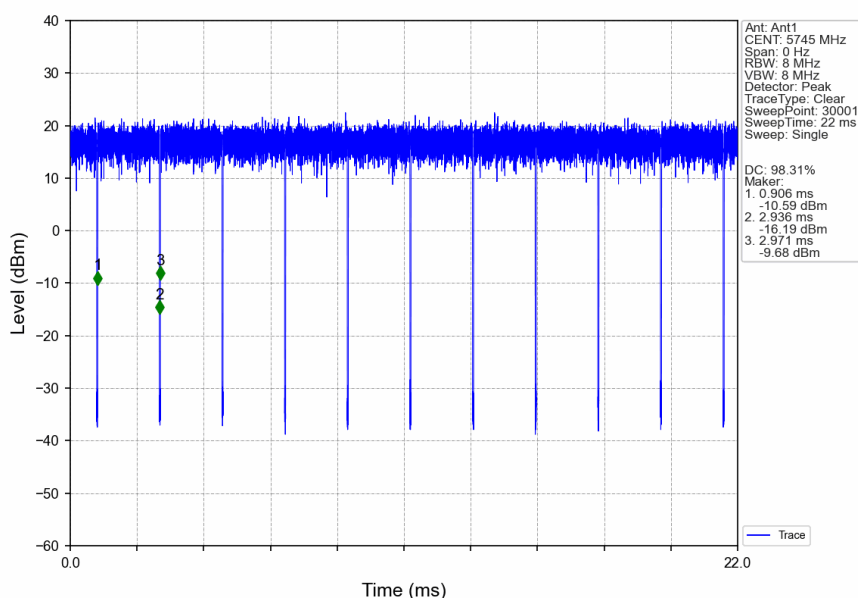
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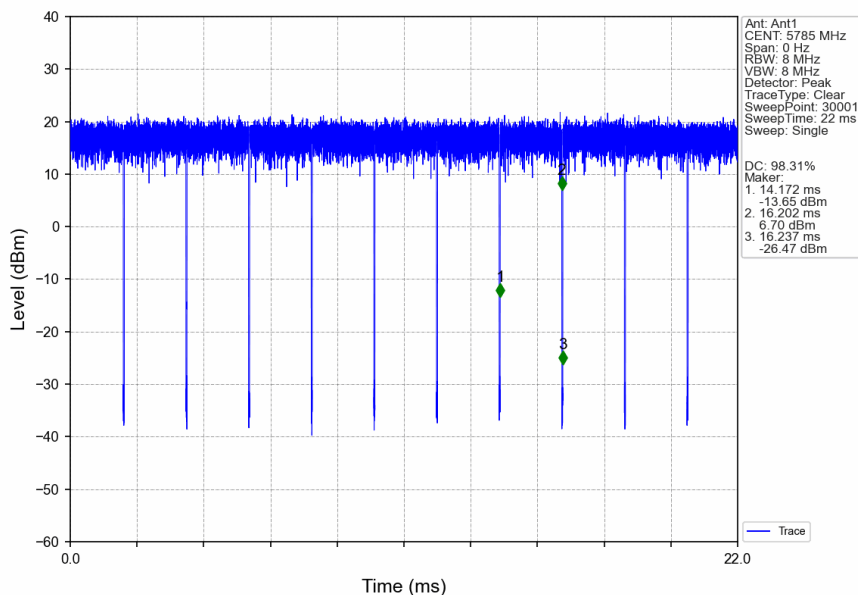
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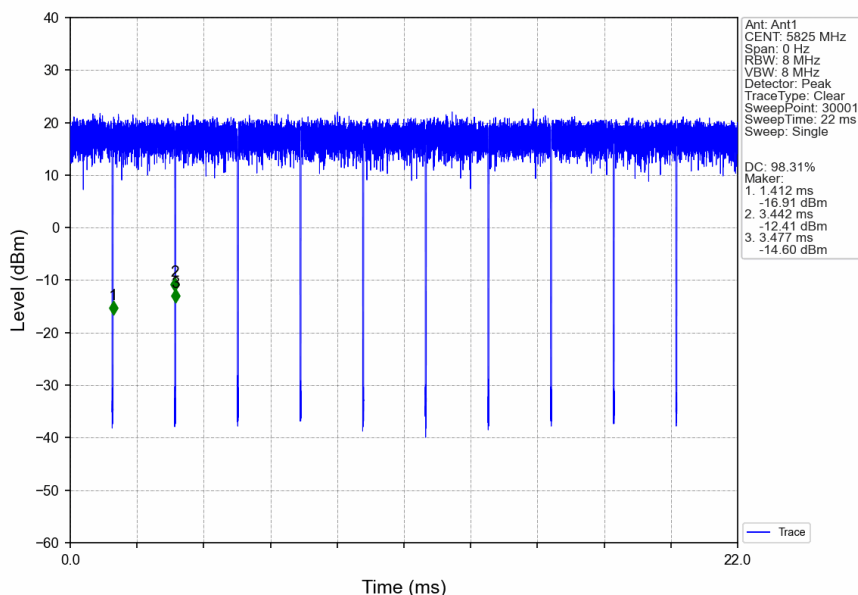
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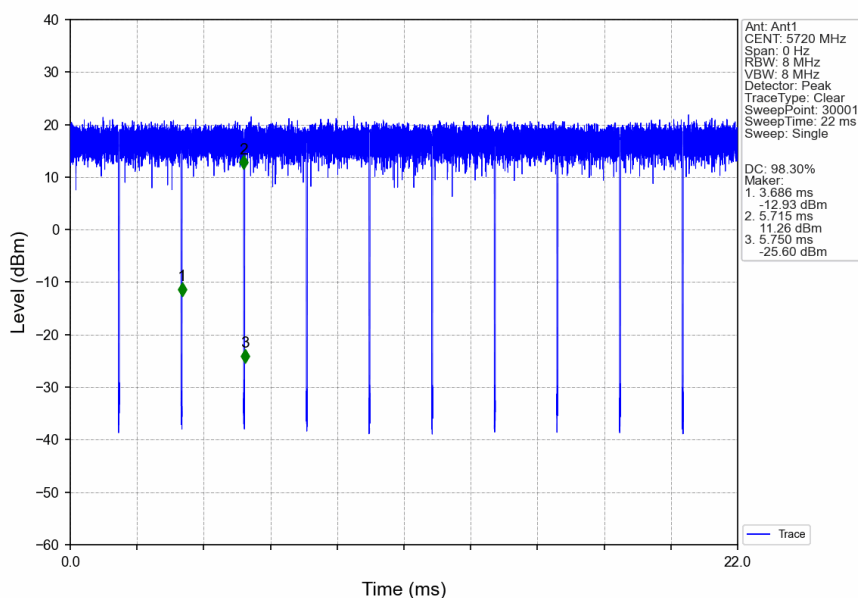
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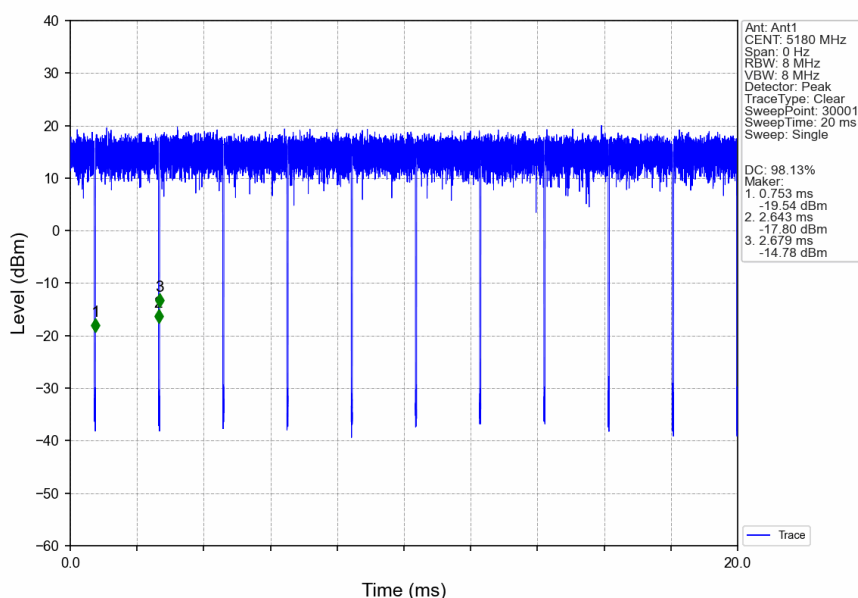
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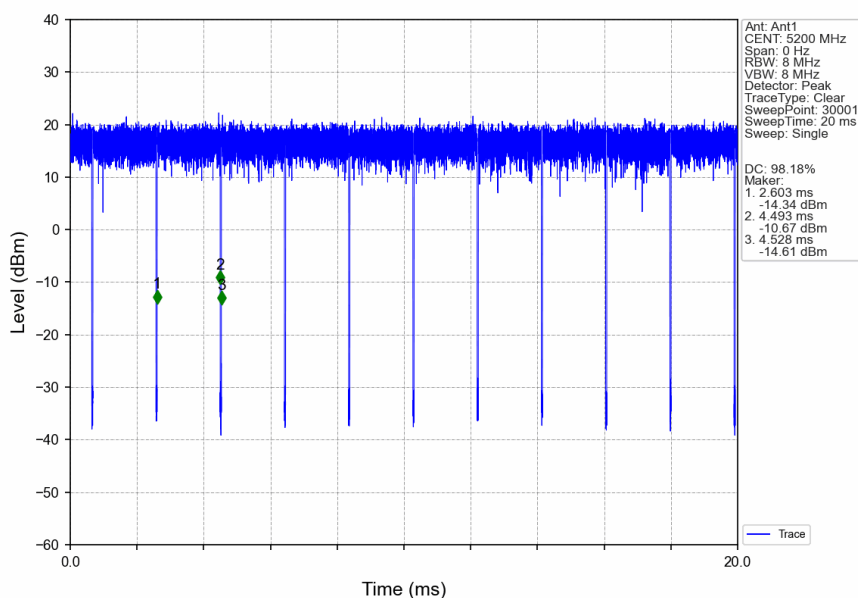
802.11a_HCH_5720MHz_Ant1_NTNV



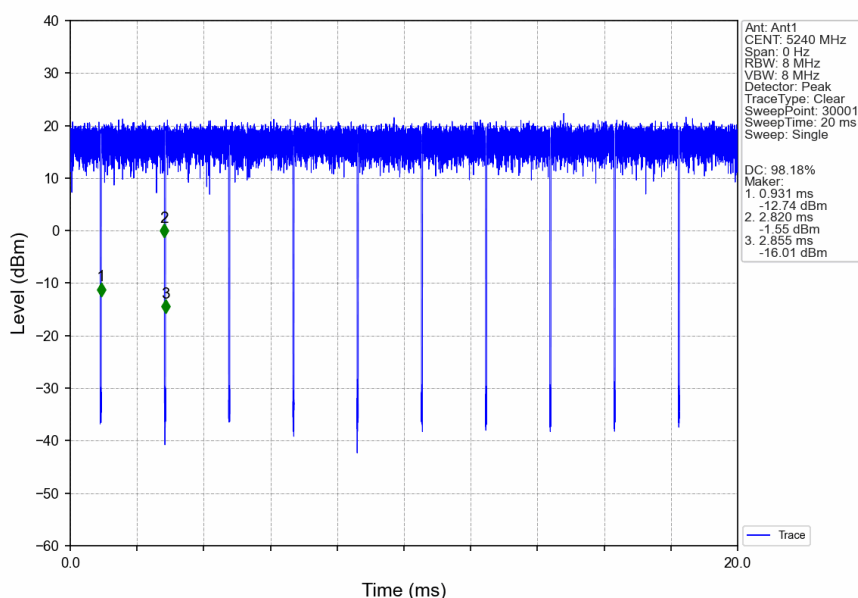
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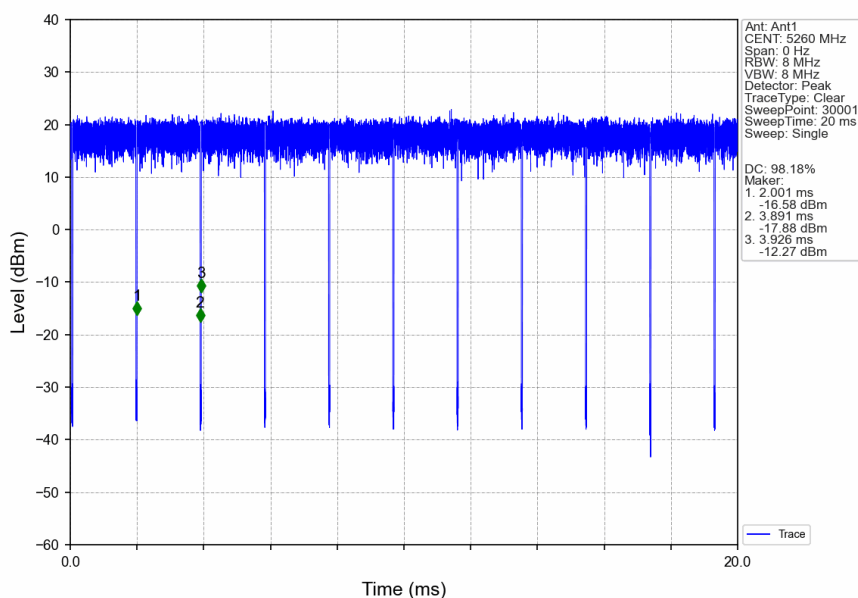
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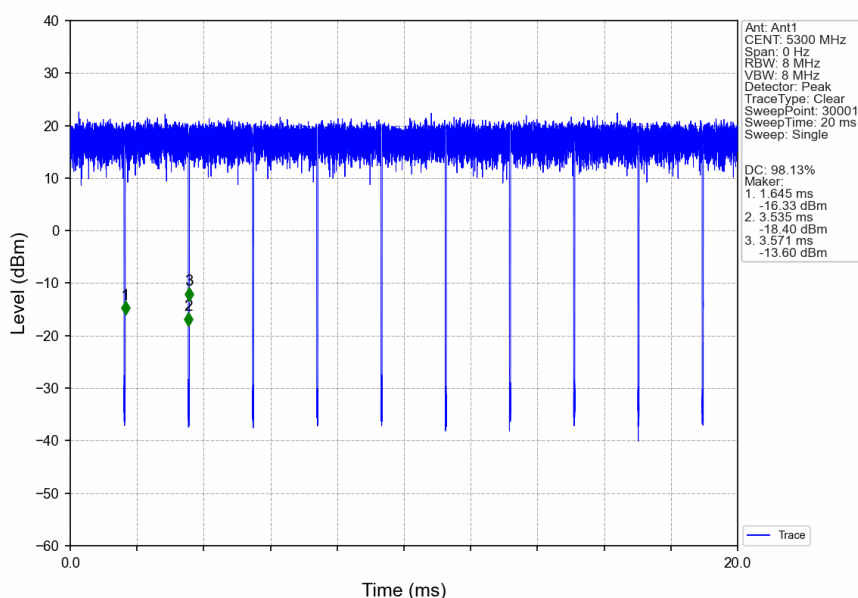
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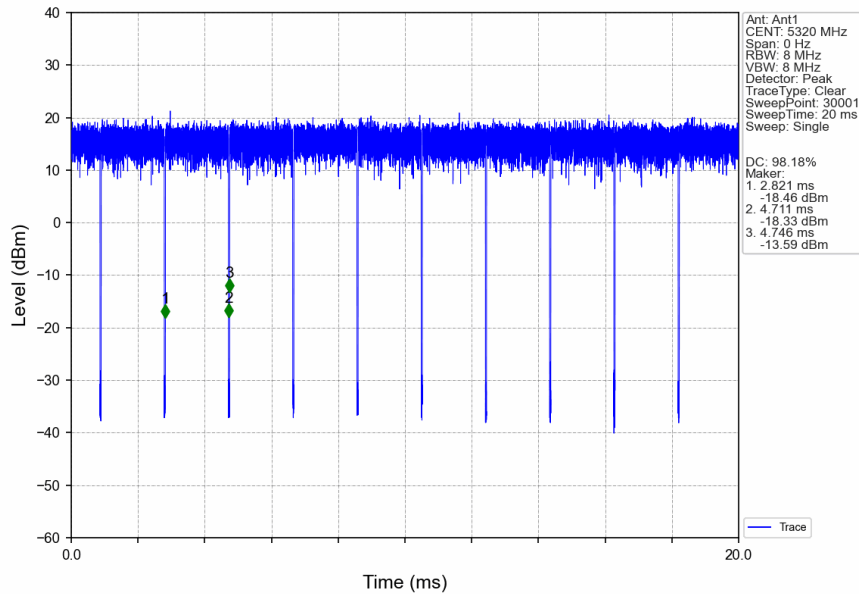
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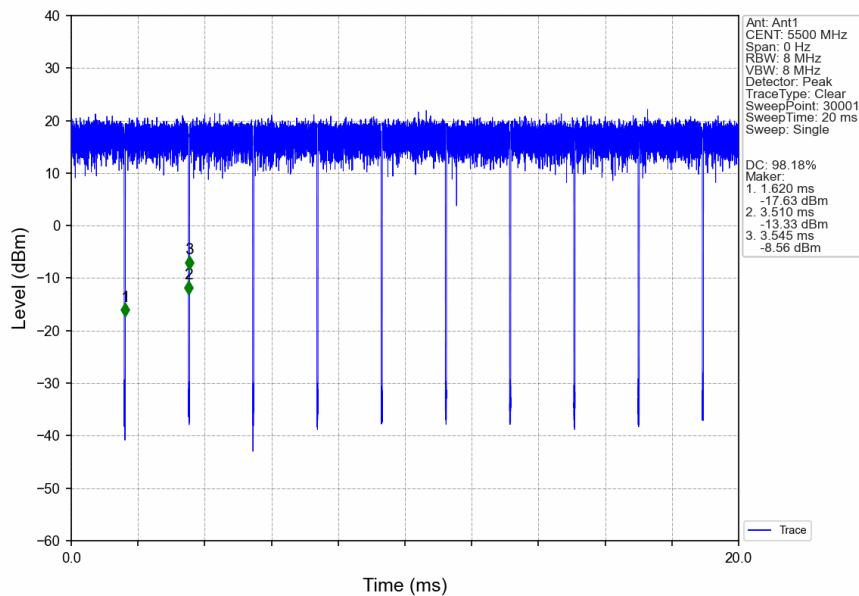
802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



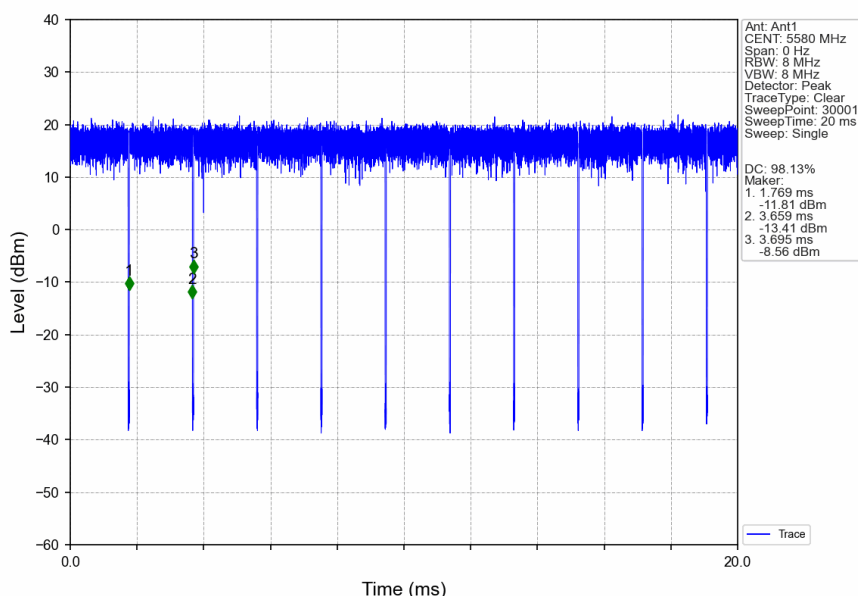
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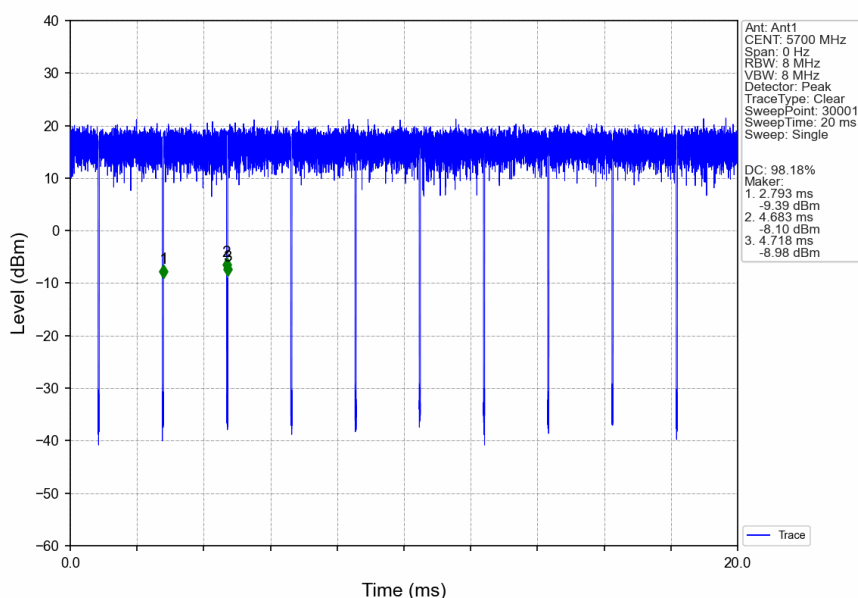
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



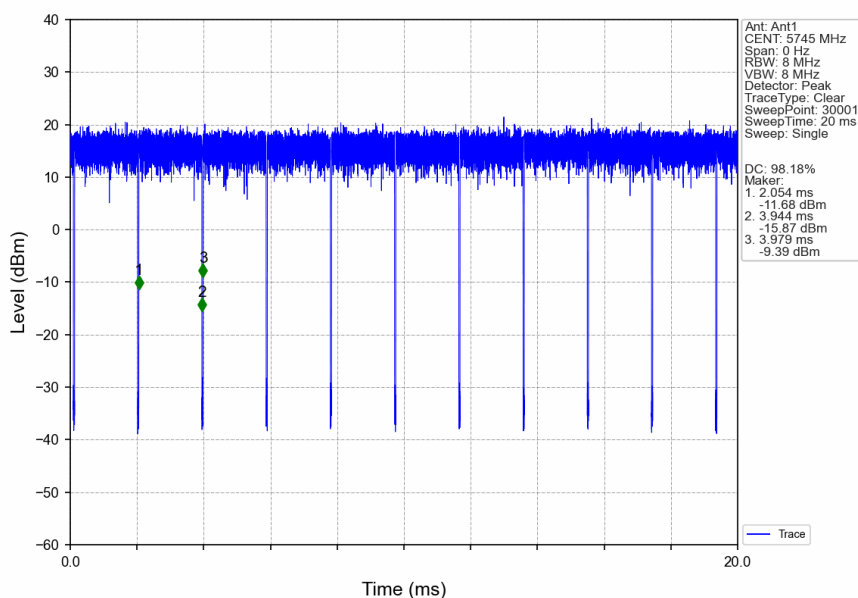
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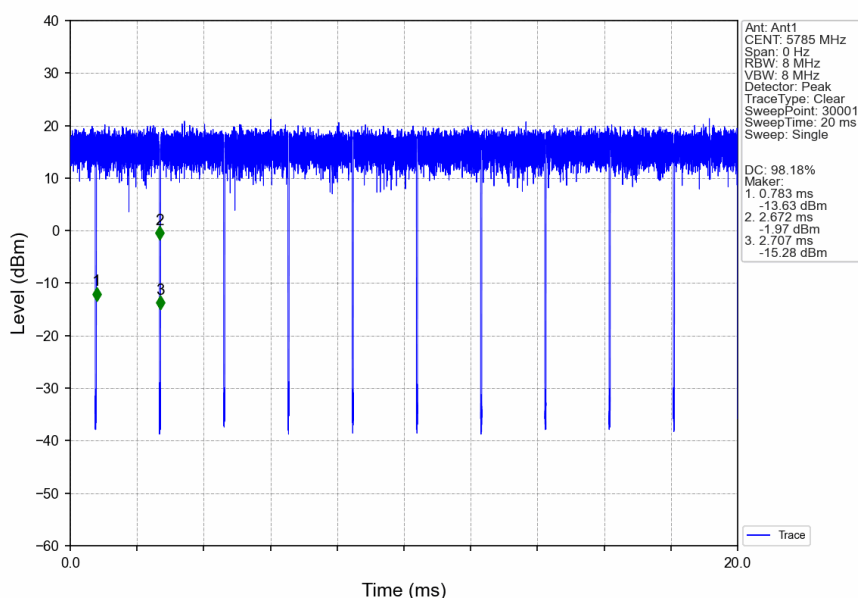
802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



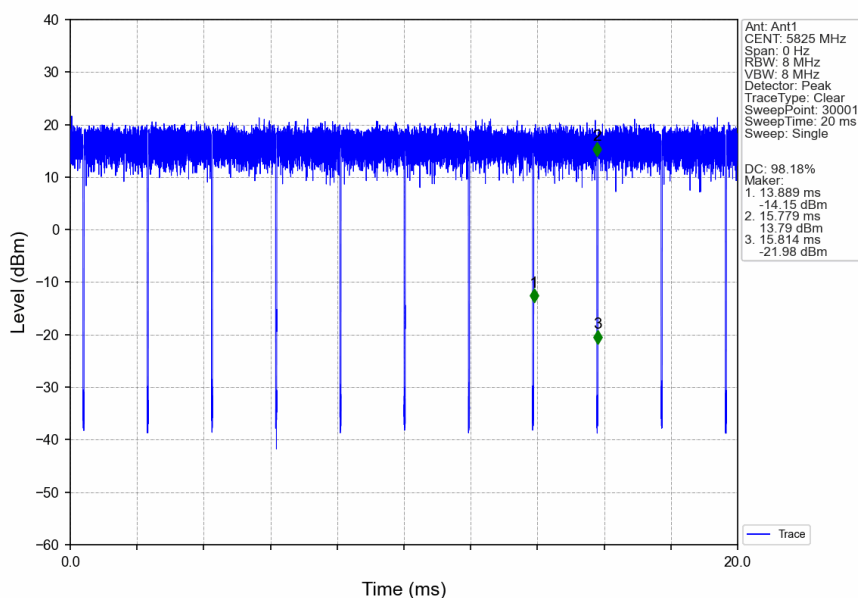
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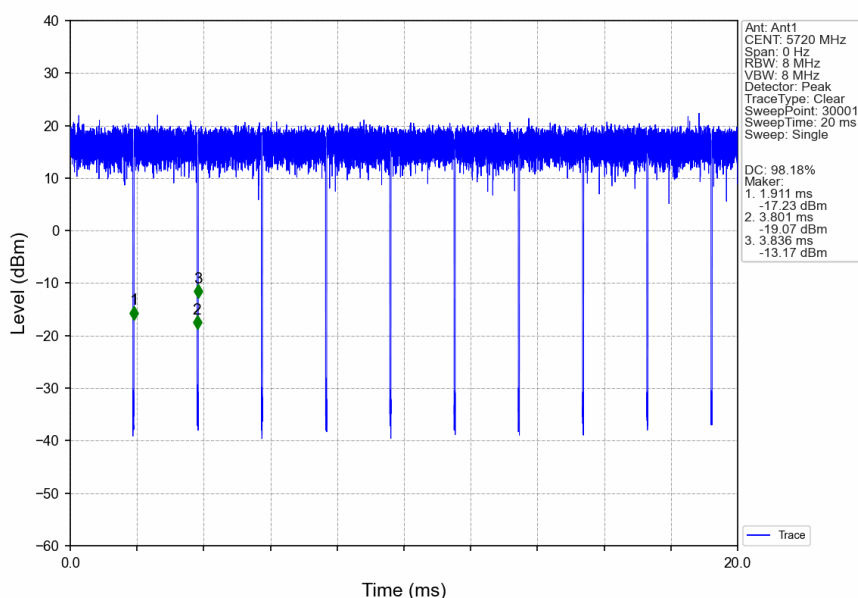
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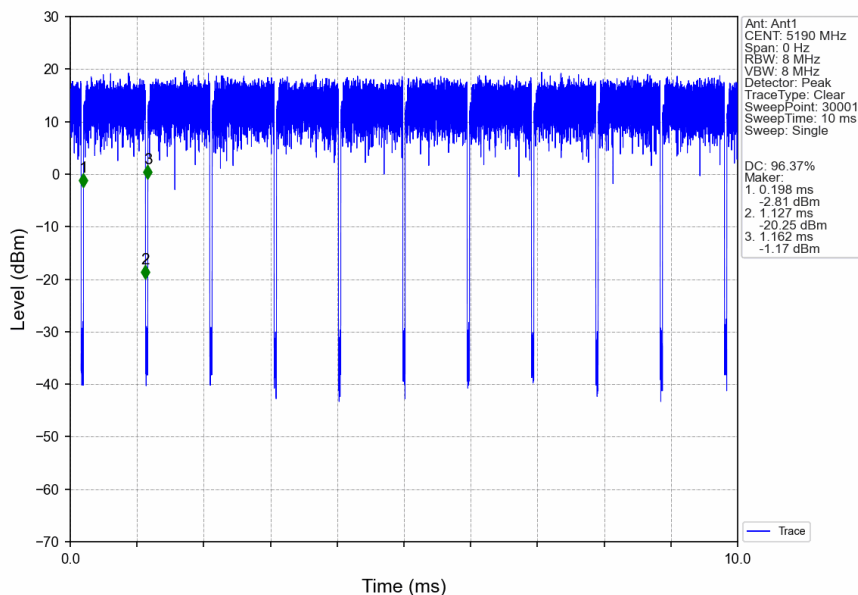
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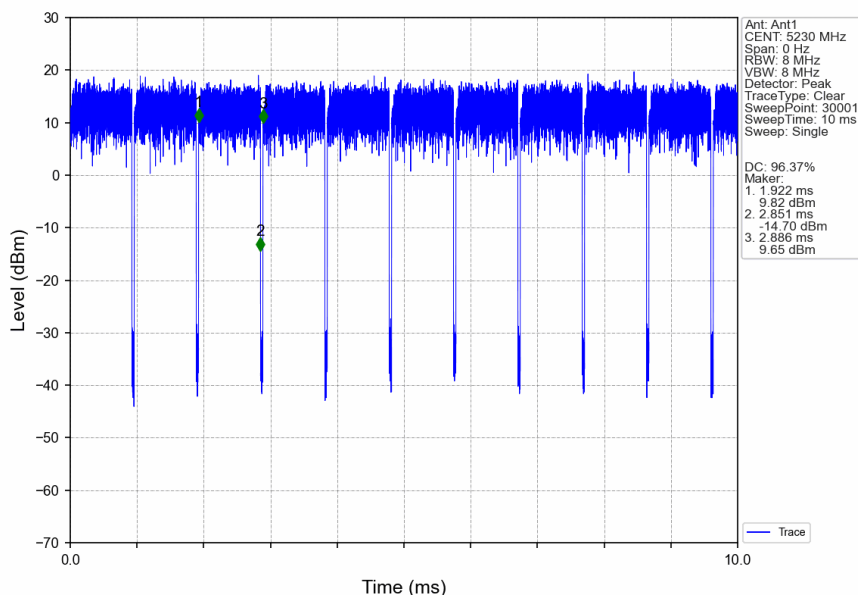
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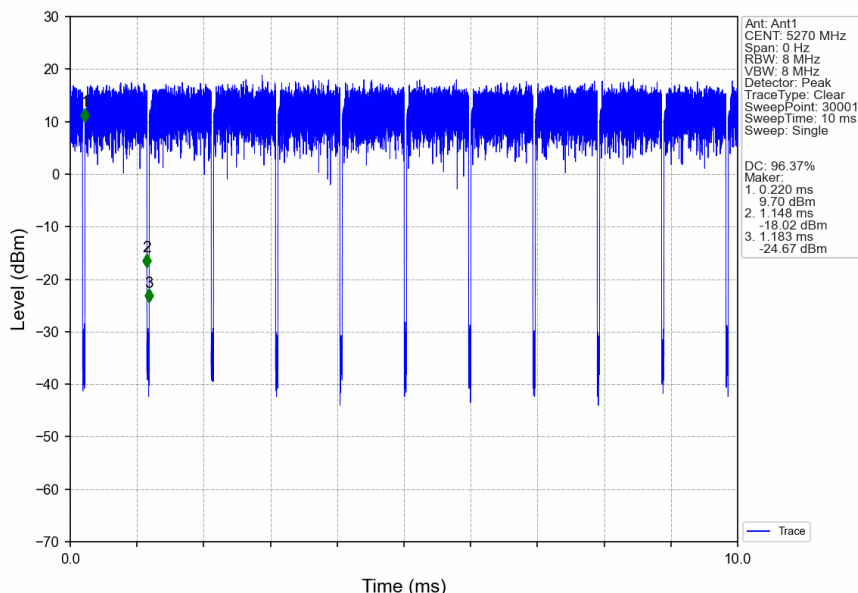
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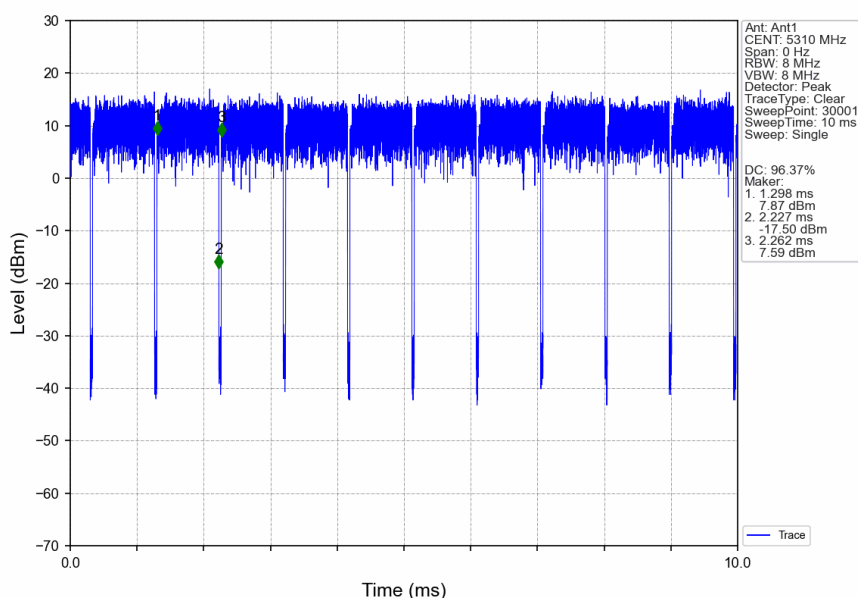
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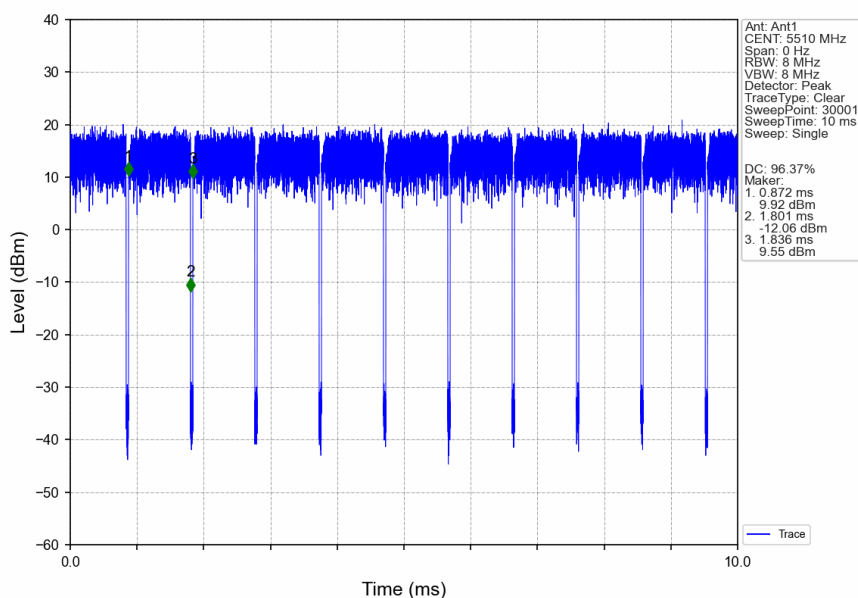
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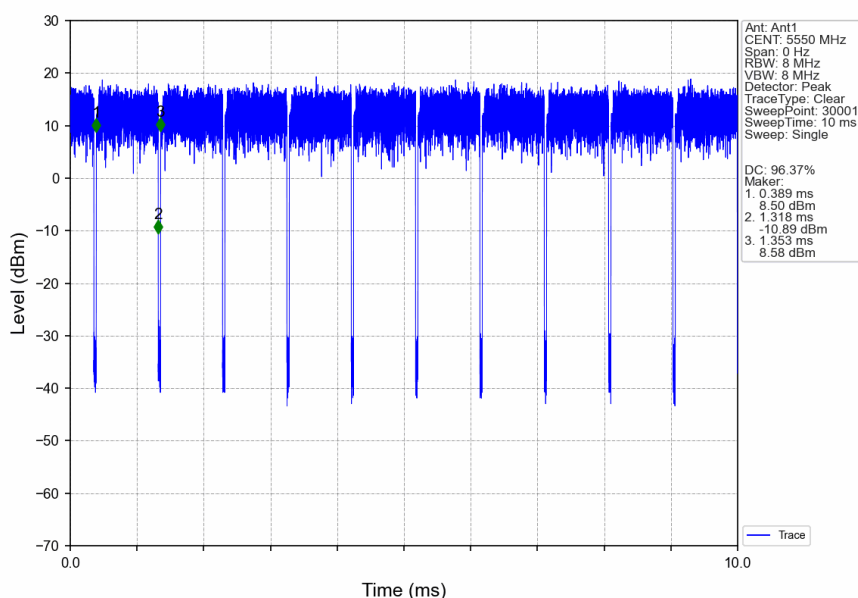
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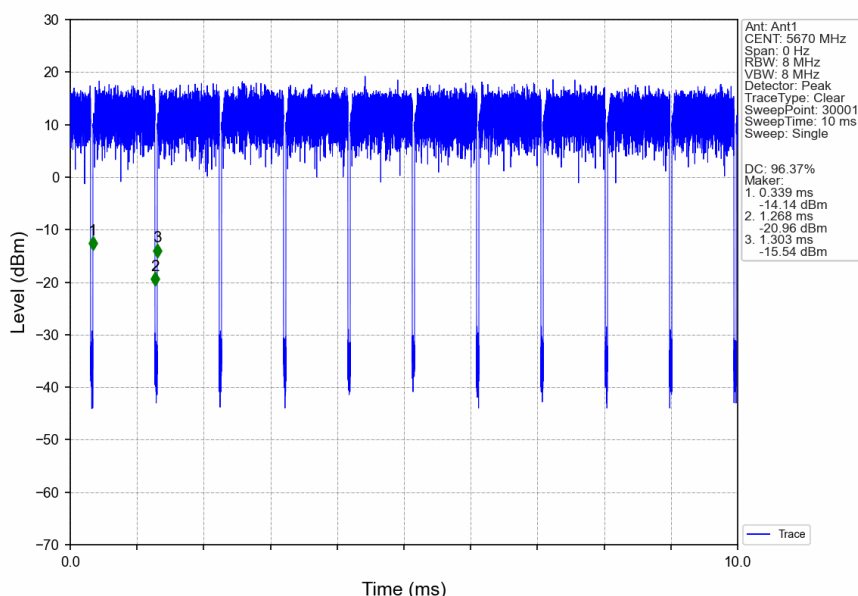
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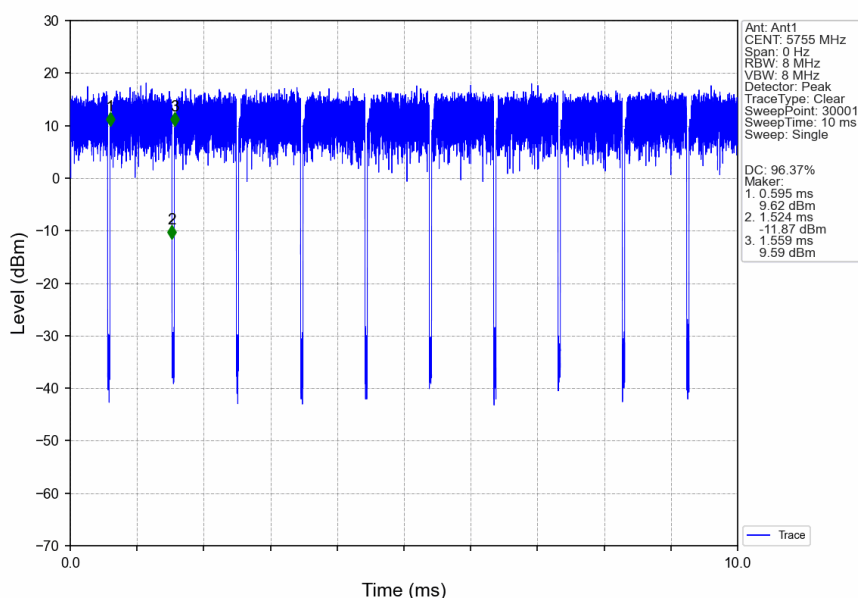
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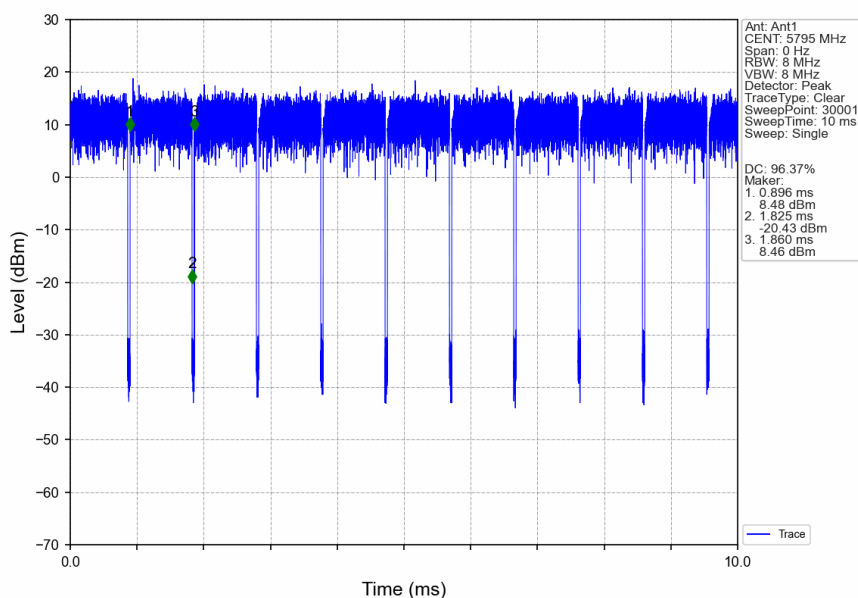
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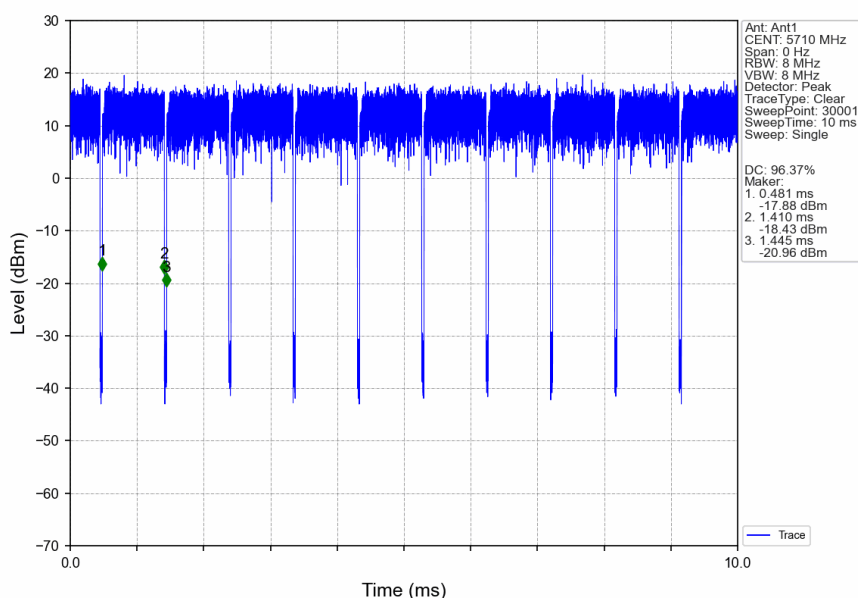
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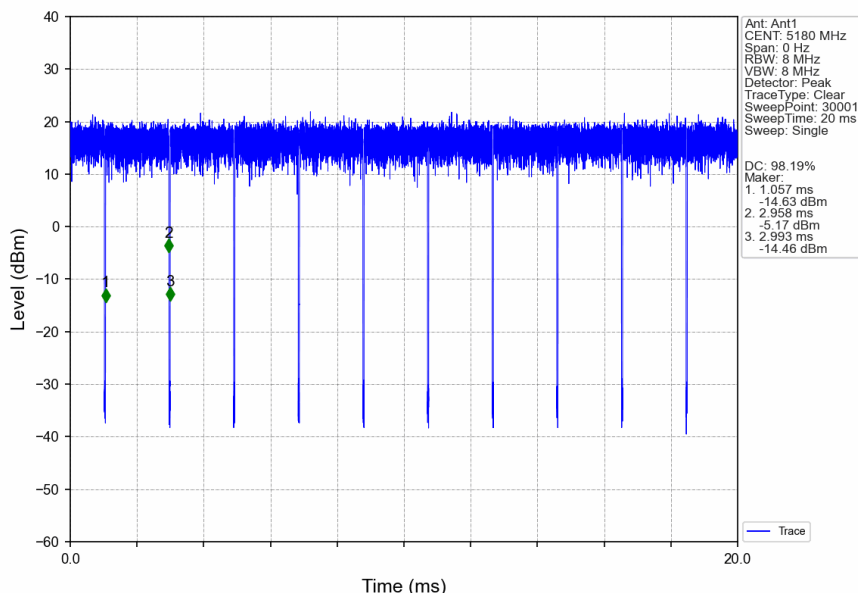
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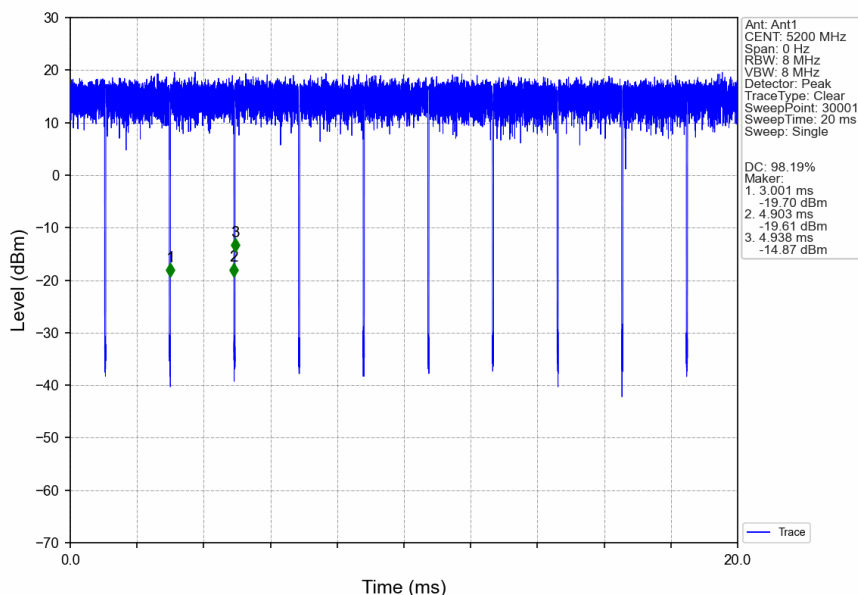
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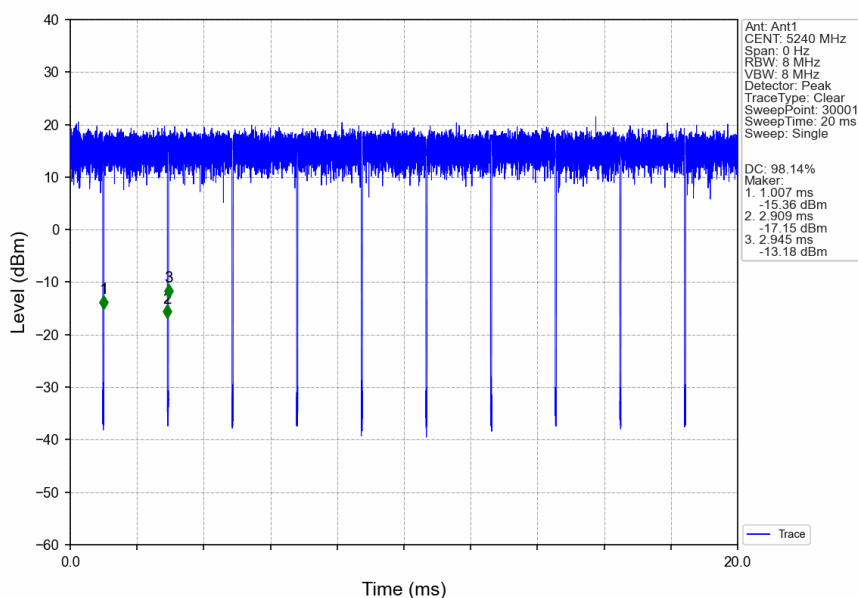
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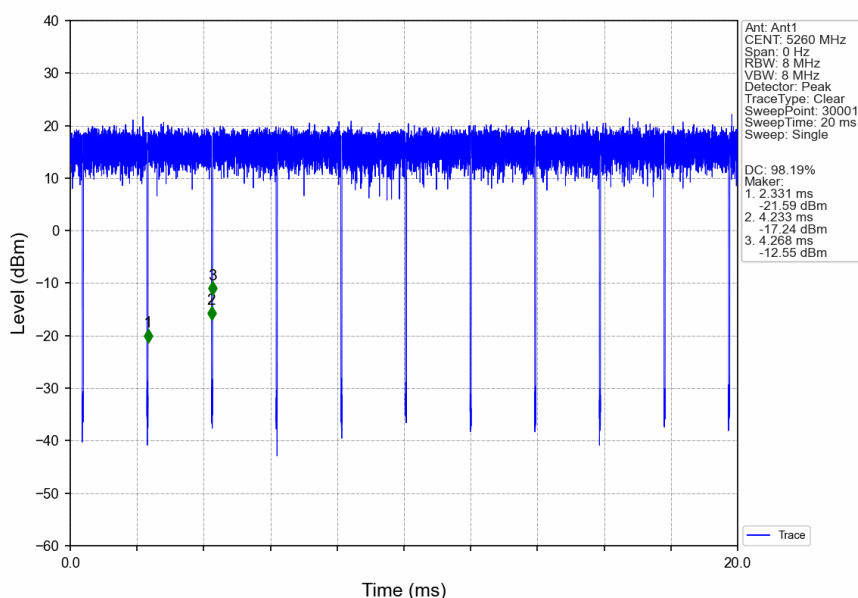
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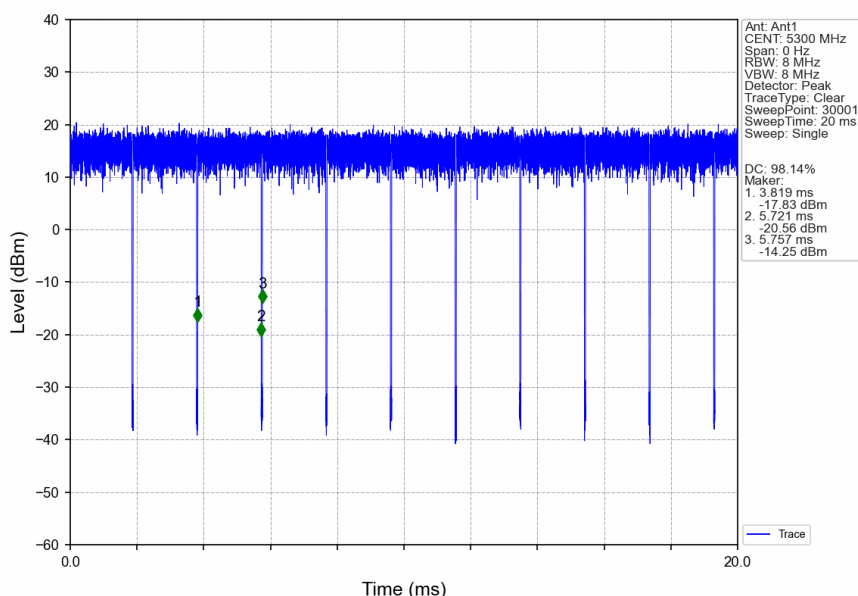
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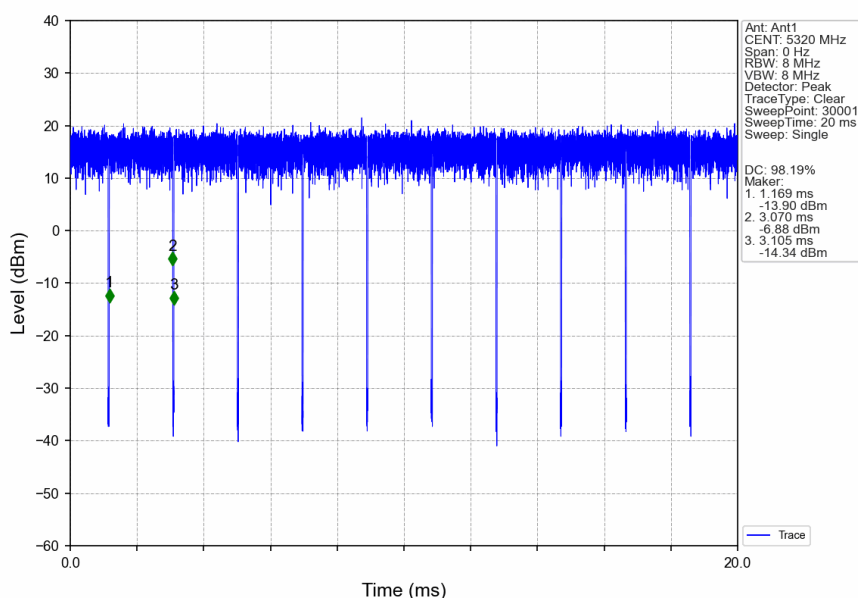
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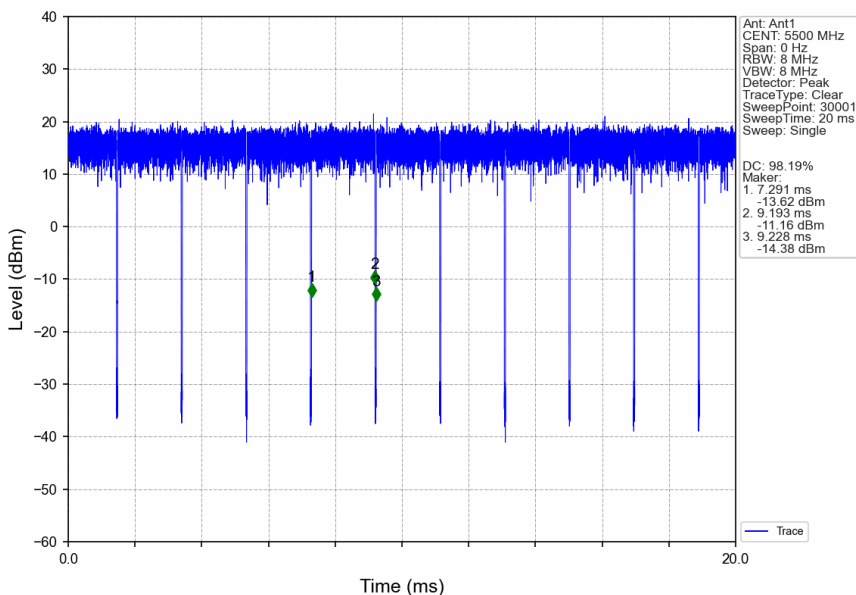
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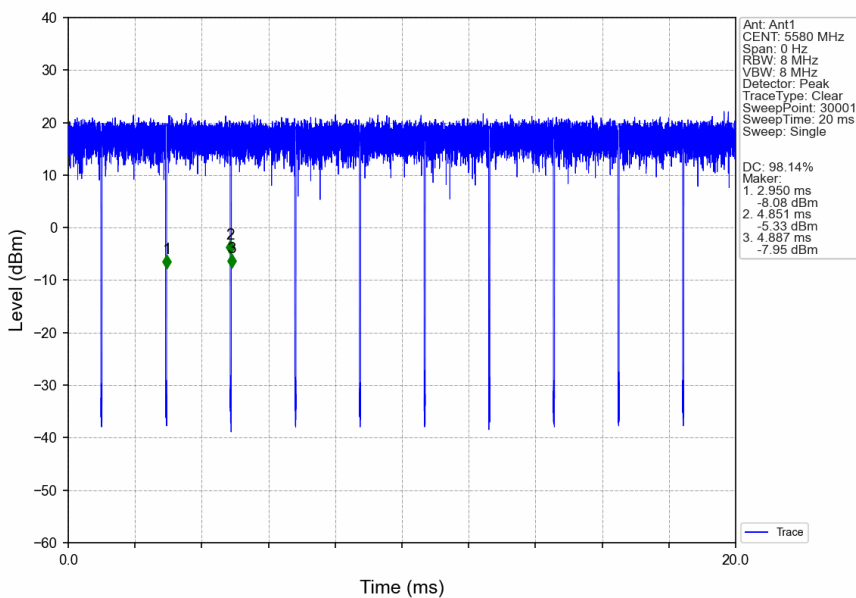
802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



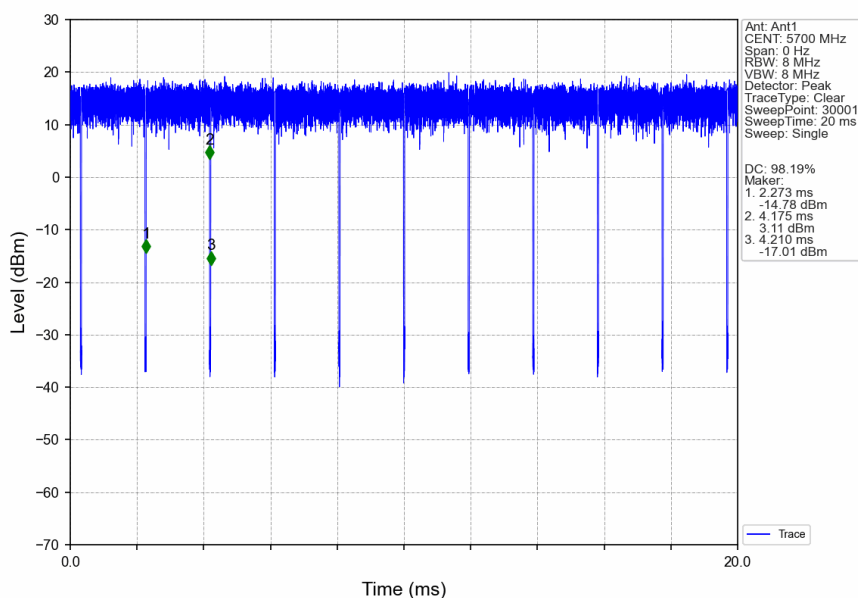
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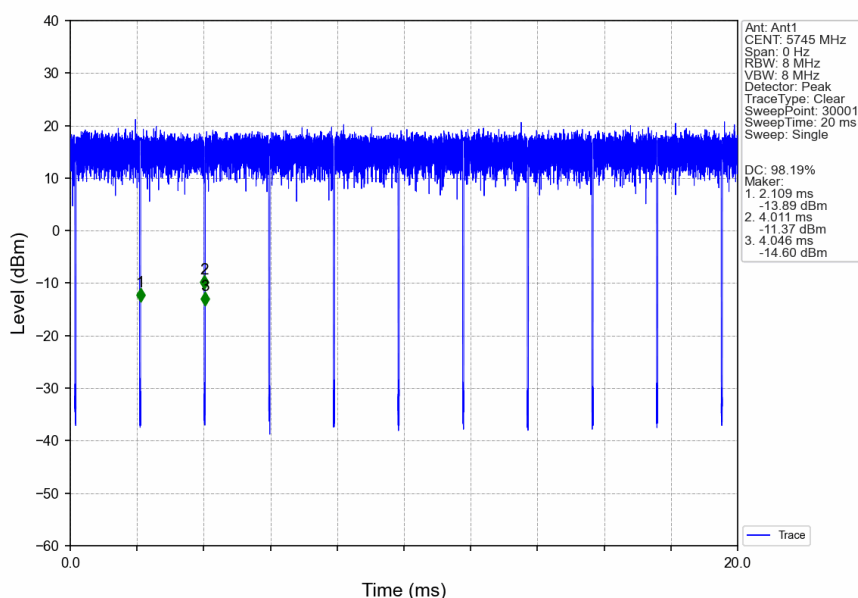
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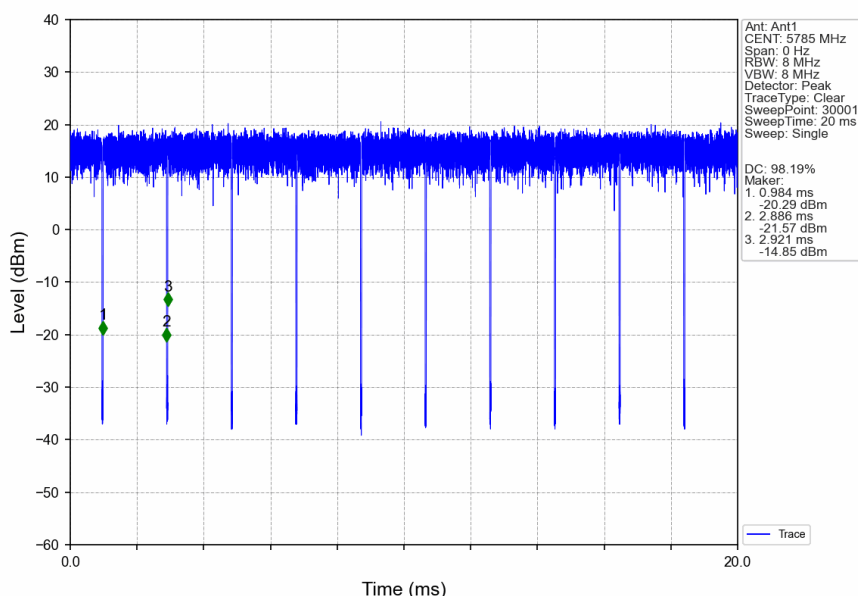
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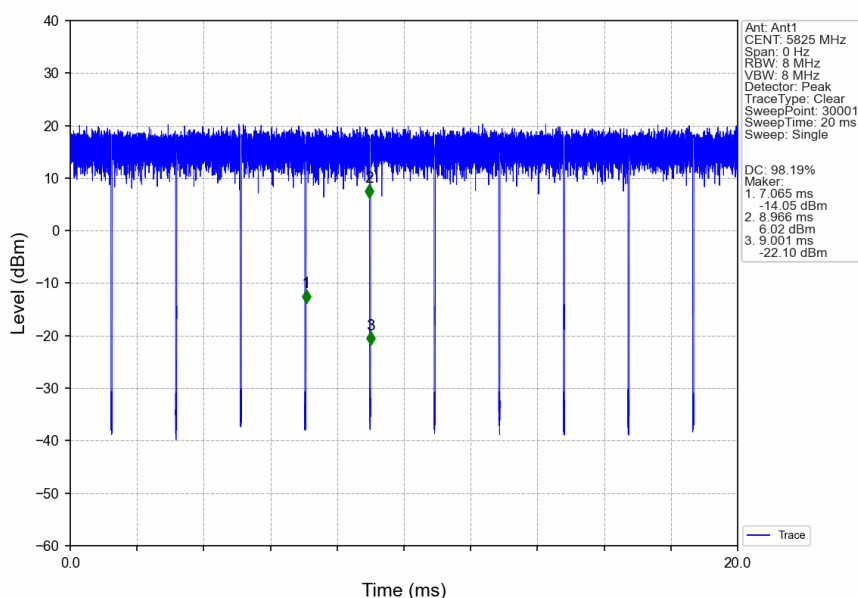
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



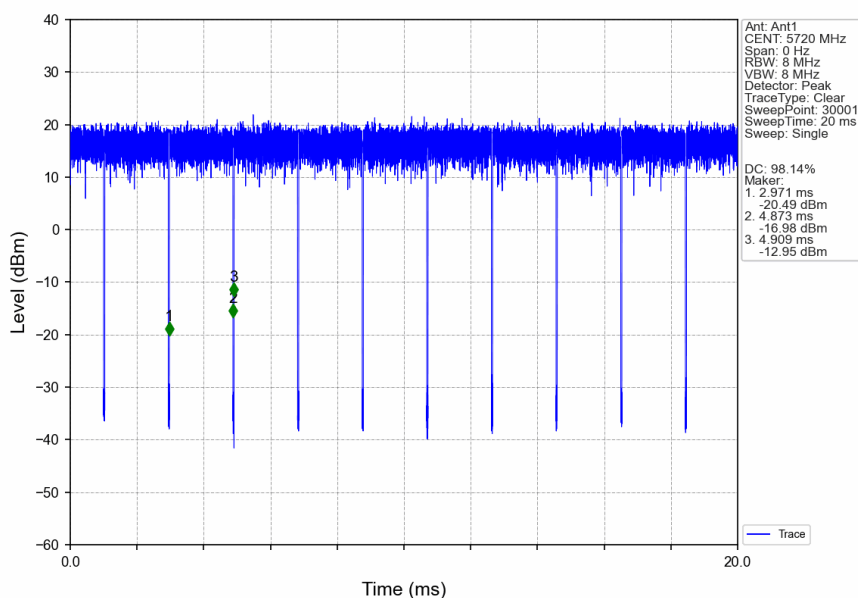
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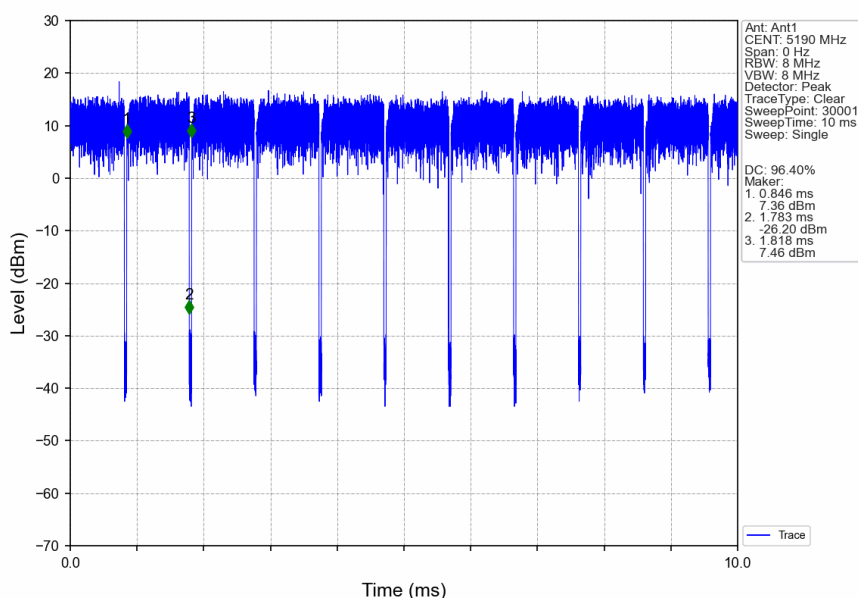
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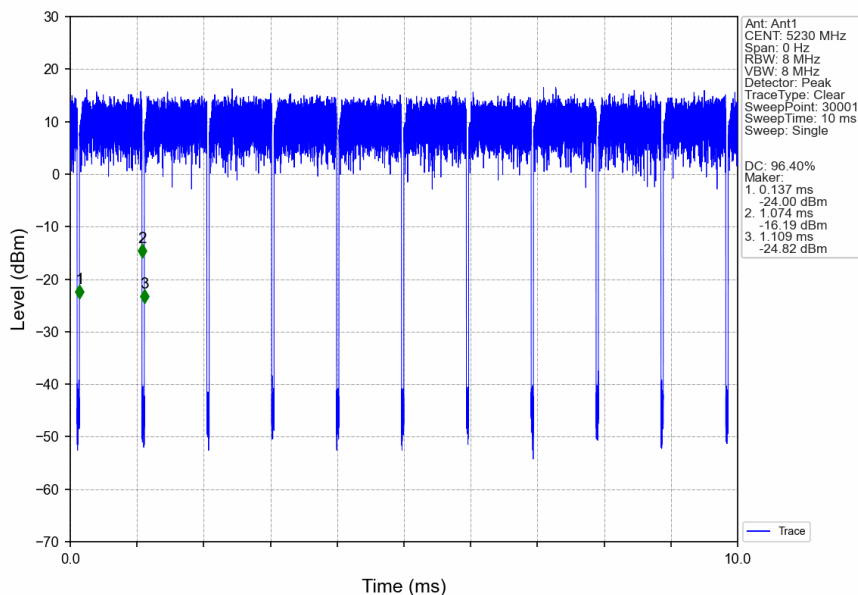
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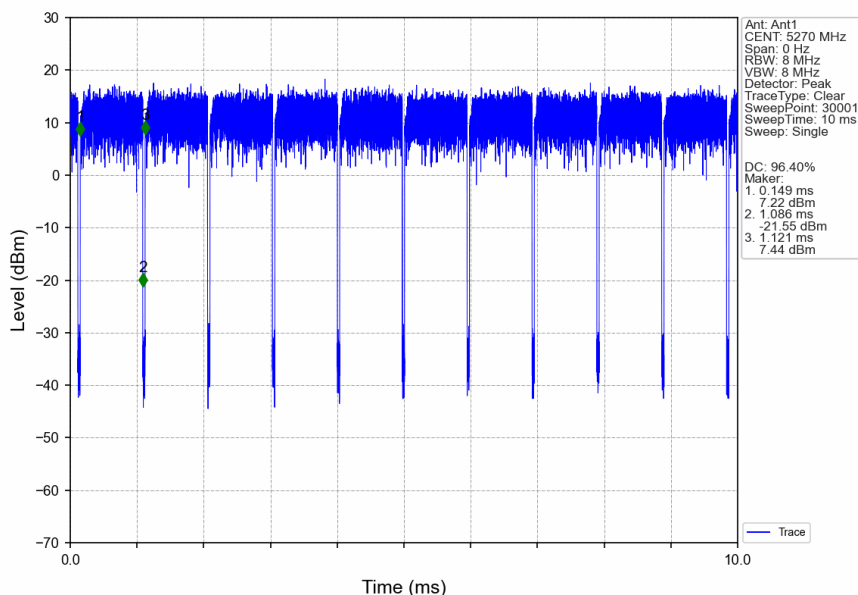
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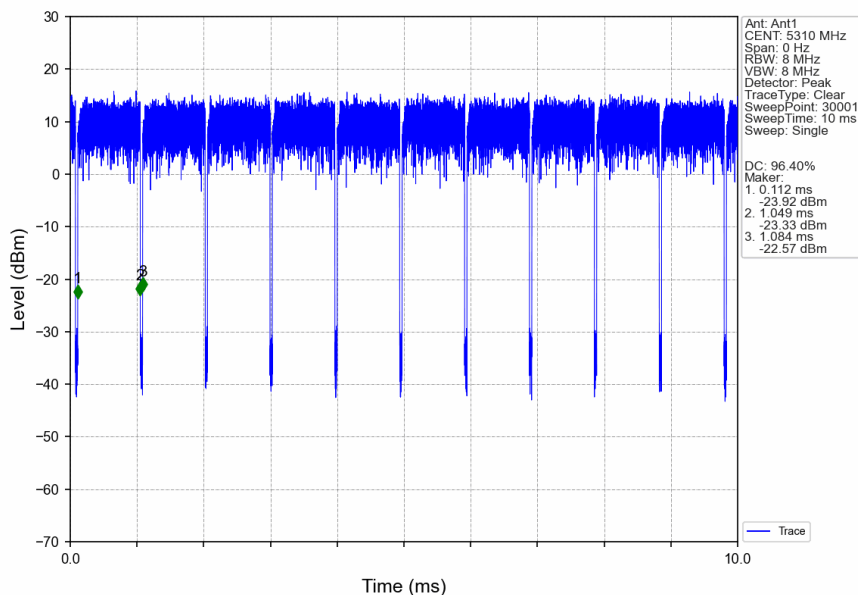
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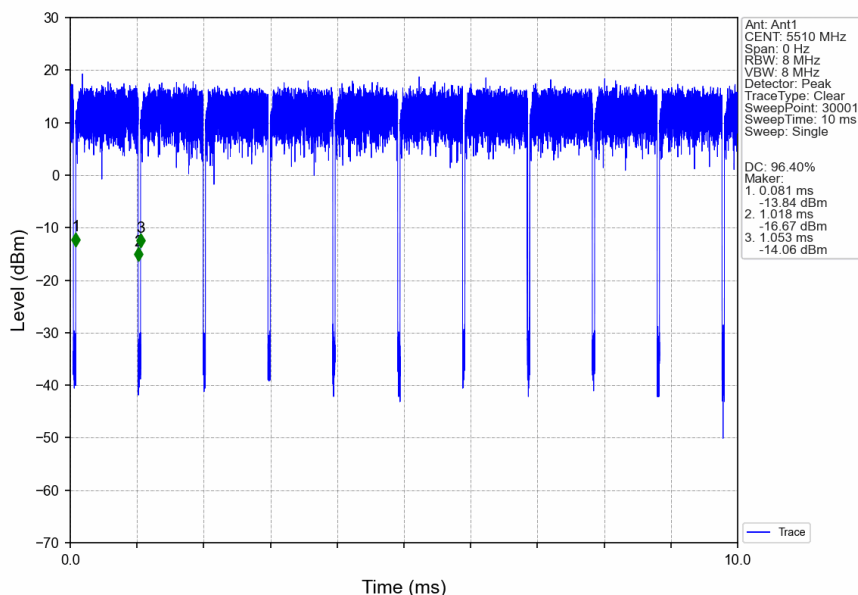
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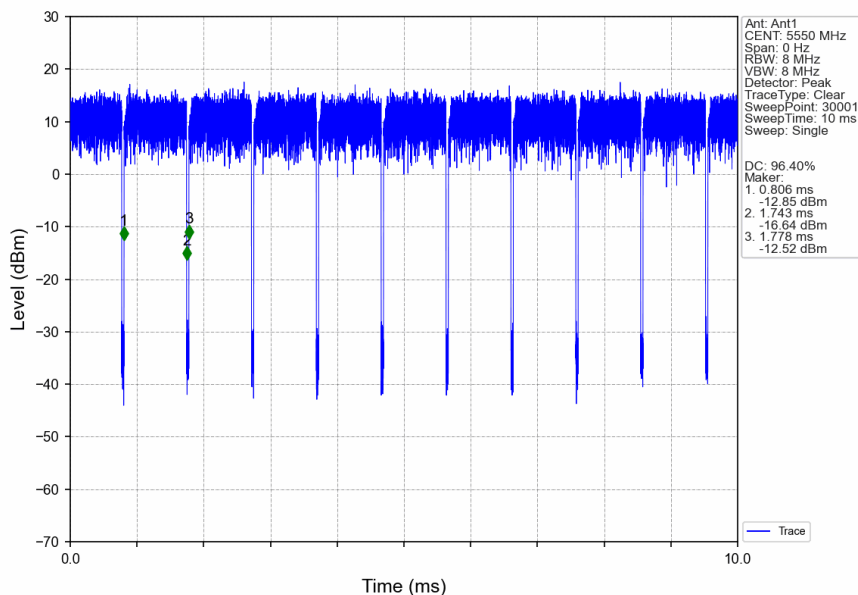
802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV



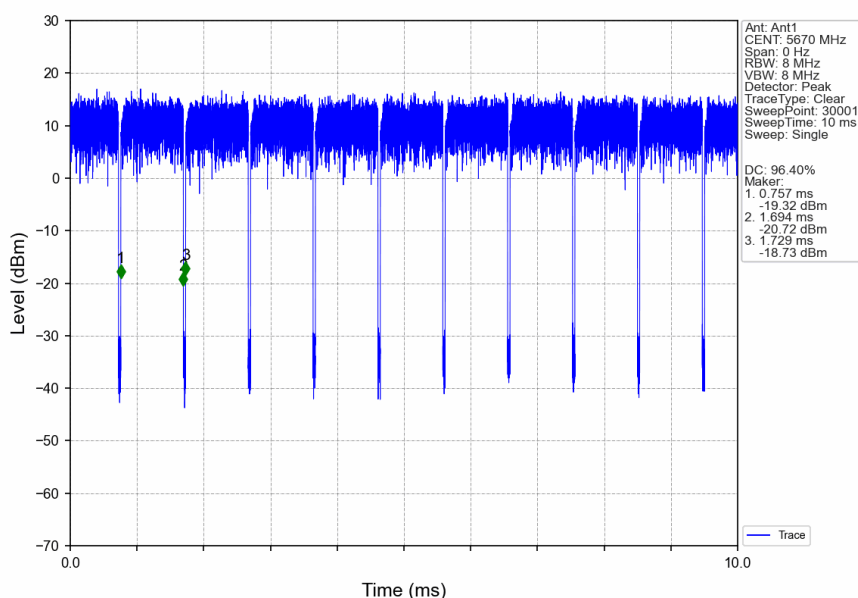
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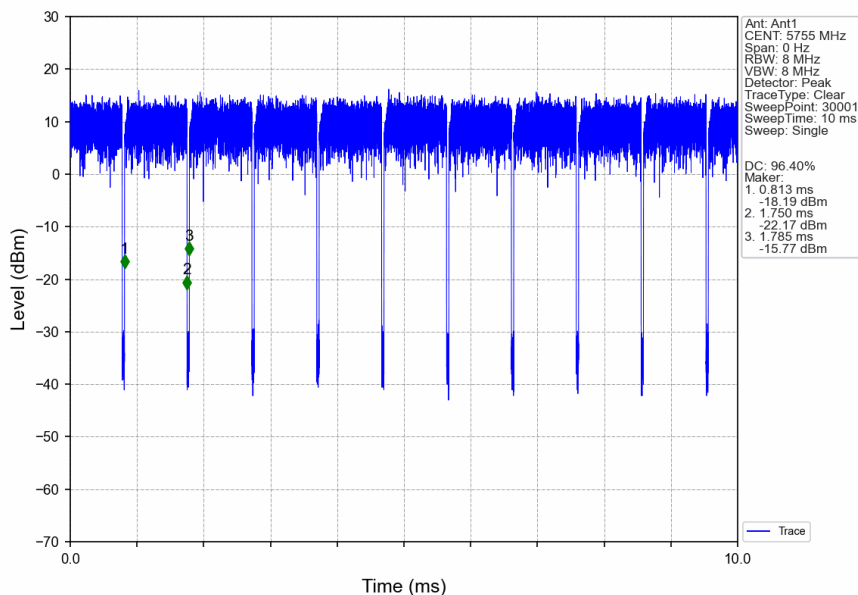
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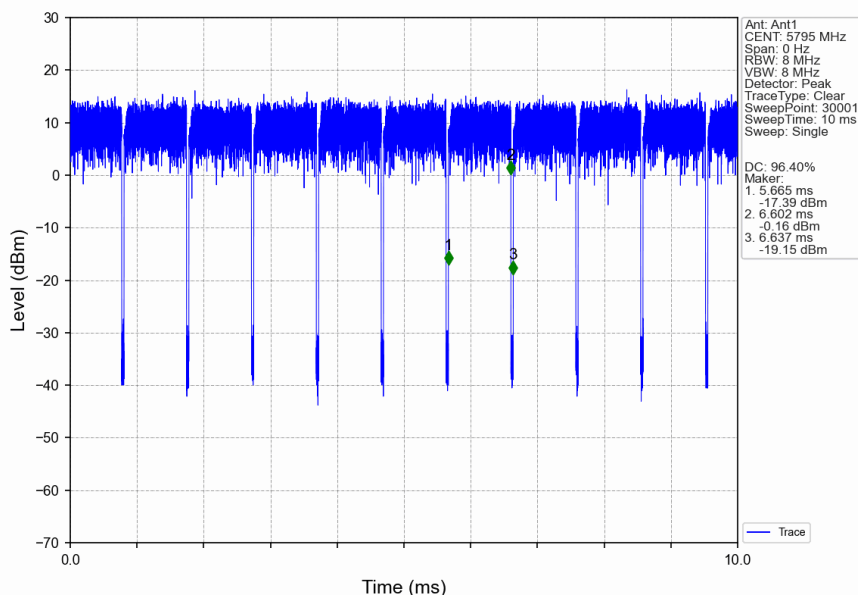
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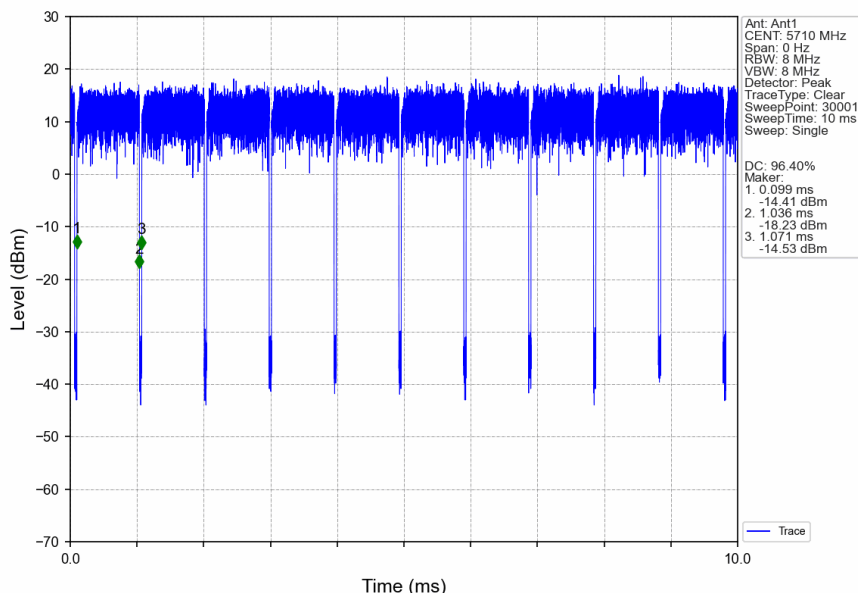
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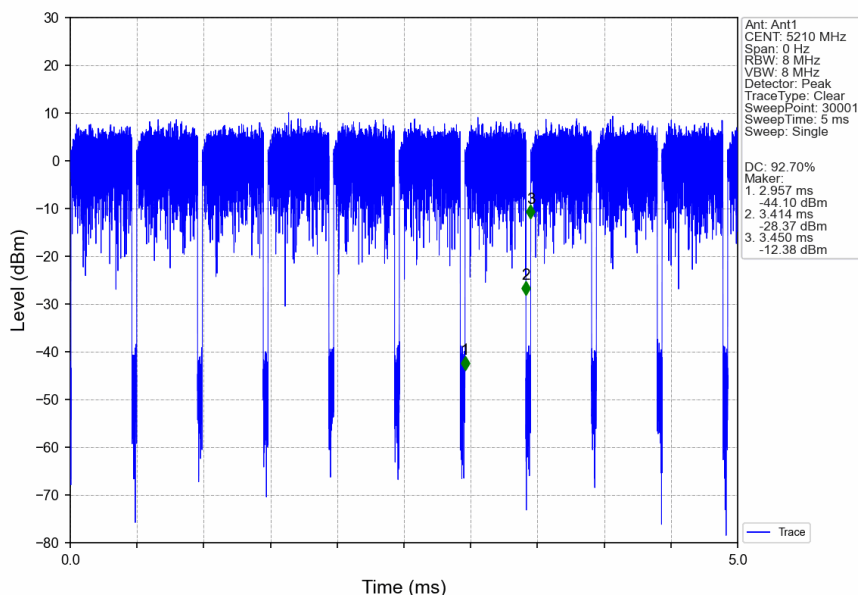
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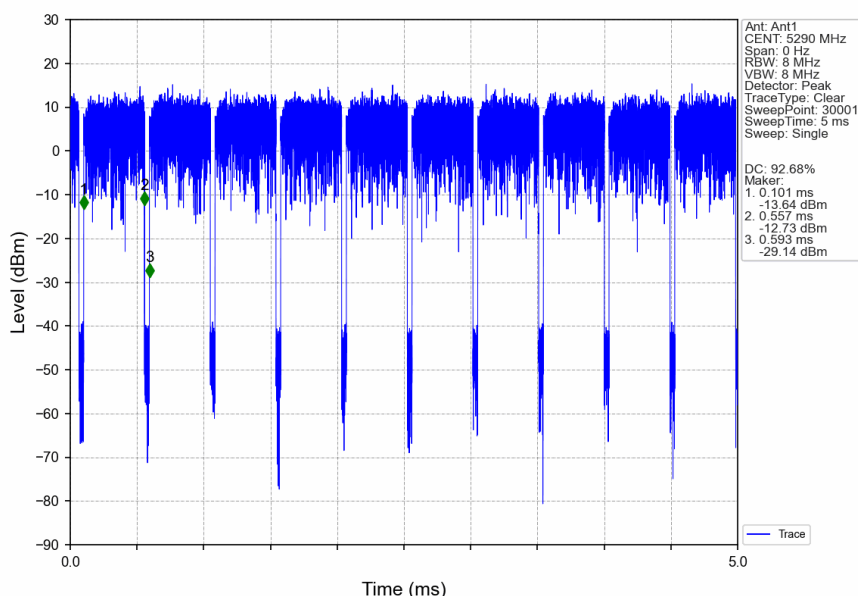
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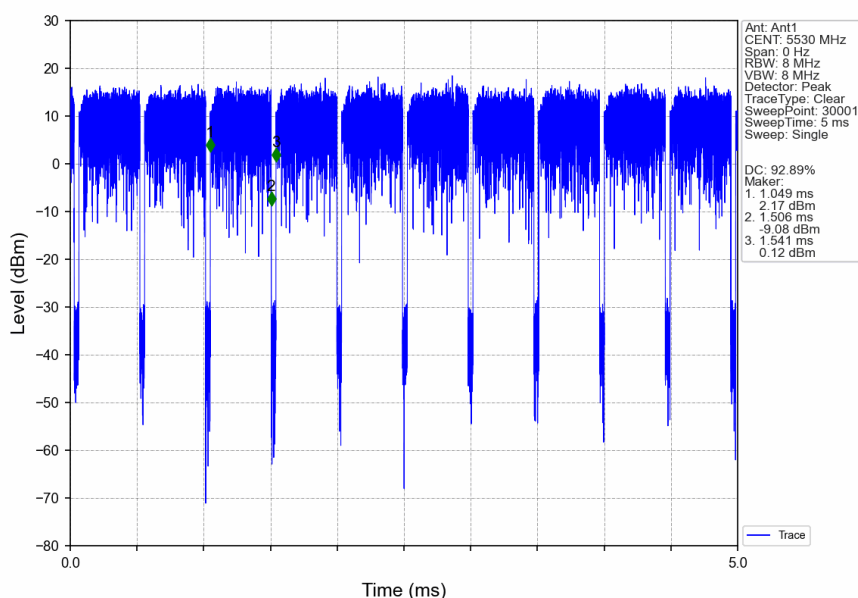
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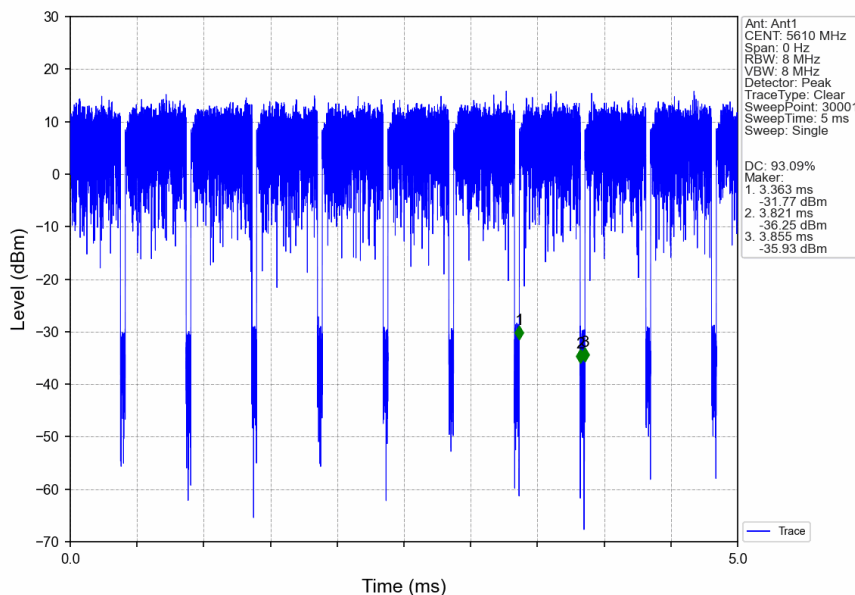
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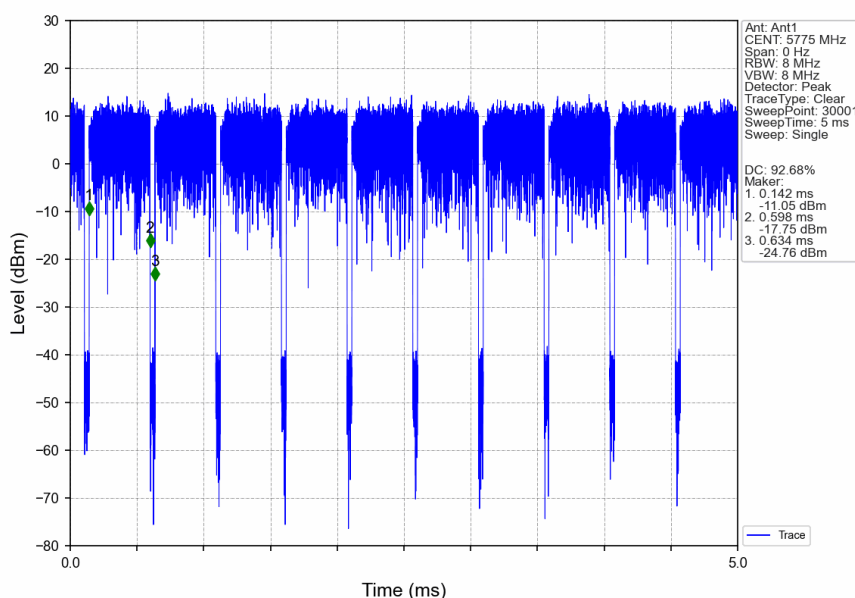
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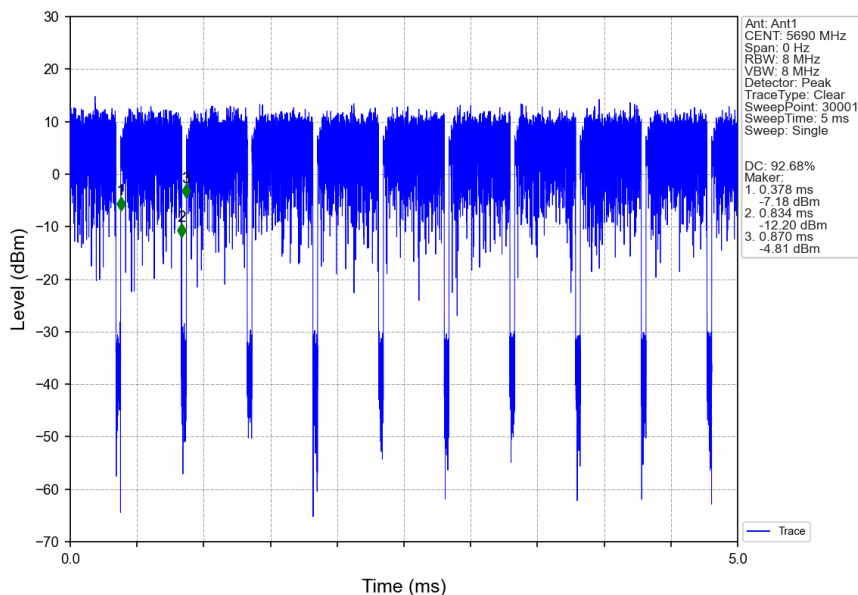
802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



802.11ac(VHT80)_HCH_5690MHz_Ant1_NTNV



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2. Maximum Conducted Output Power

2.1 Test Result

2.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	15.38	<=23.98	Pass
		5200	14.82	<=23.98	Pass
		5240	15.95	<=23.98	Pass
		5260	14.80	<=23.98	Pass
		5300	15.36	<=23.98	Pass
		5320	15.44	<=23.98	Pass
		5500	15.43	<=23.98	Pass
		5580	15.22	<=23.98	Pass
		5700	13.65	<=23.98	Pass
		5745	15.60	<=30	Pass
		5785	15.57	<=30	Pass
		5825	16.00	<=30	Pass
		5720	15.44	<=23.98	Pass
802.11n (HT20)	SISO	5180	15.24	<=23.98	Pass
		5200	15.55	<=23.98	Pass
		5240	15.51	<=23.98	Pass
		5260	14.54	<=23.98	Pass
		5300	15.05	<=23.98	Pass
		5320	15.04	<=23.98	Pass
		5500	15.45	<=23.98	Pass
		5580	15.52	<=23.98	Pass
		5700	13.21	<=23.98	Pass
		5745	14.73	<=30	Pass
		5785	14.87	<=30	Pass
		5825	15.22	<=30	Pass
		5720	15.26	<=23.98	Pass
802.11n (HT40)	SISO	5190	12.02	<=23.98	Pass
		5230	14.10	<=23.98	Pass
		5270	15.32	<=23.98	Pass
		5310	10.37	<=23.98	Pass



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		5510	14.98	<=23.98	Pass
		5550	15.02	<=23.98	Pass
		5670	15.37	<=23.98	Pass
		5755	14.78	<=30	Pass
		5795	14.57	<=30	Pass
		5710	15.22	<=23.98	Pass
802.11ac (VHT20)	SISO	5180	13.68	<=23.98	Pass
		5200	13.98	<=23.98	Pass
		5240	14.17	<=23.98	Pass
		5260	14.53	<=23.98	Pass
		5300	14.39	<=23.98	Pass
		5320	14.41	<=23.98	Pass
		5500	14.48	<=23.98	Pass
		5580	14.31	<=23.98	Pass
		5700	14.37	<=23.98	Pass
		5745	14.17	<=30	Pass
		5785	14.24	<=30	Pass
		5825	14.65	<=30	Pass
		5720	15.33	<=23.98	Pass
802.11ac (VHT40)	SISO	5190	11.59	<=23.98	Pass
		5230	13.97	<=23.98	Pass
		5270	14.55	<=23.98	Pass
		5310	9.92	<=23.98	Pass
		5510	13.37	<=23.98	Pass
		5550	13.94	<=23.98	Pass
		5670	13.68	<=23.98	Pass
		5755	13.04	<=30	Pass
		5795	13.06	<=30	Pass
		5710	15.25	<=23.98	Pass
802.11ac (VHT80)	SISO	5210	11.41	<=23.98	Pass
		5290	9.70	<=23.98	Pass
		5530	12.37	<=23.98	Pass
		5610	14.91	<=23.98	Pass
		5775	14.16	<=30	Pass
		5690	12.48	<=23.98	Pass

- End of the Report -



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

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