

TEST REPORT

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

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

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

Kenx. Xu

Kenx Xu
EMC Laboratory Manager



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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

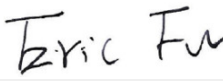
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260300102206

Page: 2 of 96

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

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



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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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 which fall in the restricted bands		ANSI C63.10 (2020) Section 6.10.5 & 12.7.2	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions (Below 1GHz)		ANSI C63.10 (2020) Section 6.4,6.5	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions (Above 1GHz)		ANSI C63.10 (2020) Section 6.6 & 12.7	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Contention Based Protocol		KDB 987594 D02 Section II.I.	47 CFR Part 15, Subpart E 15.407 (d)(6)	Pass

Remark:

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

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

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

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



3 Contents

	Page
1 Cover Page	1
2 Test Summary.....	3
3 Contents	4
4 General Information.....	6
4.1 Details of E.U.T.	6
4.2 Description of Support Units	7
4.3 Measurement Uncertainty	7
4.4 Test Location	8
4.5 Test Facility	8
4.6 Deviation from Standards	8
4.7 Abnormalities from Standard Conditions	8
5 Equipment List	9
6 Radio Spectrum Technical Requirement.....	12
6.1 Antenna Requirement	12
6.1.1 Test Requirement:	12
6.1.2 Conclusion	12
6.2 Transmission in the Absence of Data	12
6.2.1 Test Requirement:	12
6.2.2 Conclusion	12
7 Radio Spectrum Matter Test Results	13
7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)	13
7.1.1 E.U.T. Operation	13
7.1.2 Test Mode Description	13
7.1.3 Test Setup Diagram	14
7.1.4 Measurement Procedure and Data	14
7.2 Radiated Emissions which fall in the restricted bands	17
7.2.1 E.U.T. Operation	17
7.2.2 Test Mode Description	18
7.2.3 Test Setup Diagram	19
7.2.4 Measurement Procedure and Data	20
7.3 Radiated Emissions (Below 1GHz).....	29
7.3.1 E.U.T. Operation	29
7.3.2 Test Mode Description	29
7.3.3 Test Setup Diagram	30
7.3.4 Measurement Procedure and Data	31
7.4 Radiated Emissions (Above 1GHz).....	34
7.4.1 E.U.T. Operation	35
7.4.2 Test Mode Description	35
7.4.3 Test Setup Diagram	36



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

SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260300102206

Page: 5 of 96

7.4.4	Measurement Procedure and Data.....	37
7.5	Contention Based Protocol.....	45
7.5.1	E.U.T. Operation.....	45
7.5.2	Test Mode Description.....	45
7.5.3	Test Setup Diagram.....	46
7.5.4	Measurement Procedure and Data.....	47
8	Test Setup Photo.....	48
9	EUT Constructional Details (EUT Photos).....	48
10	Appendix.....	49



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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

4 General Information

4.1 Details of E.U.T.

Power supply:	Medical AC Adapter1 Model:EM11011M-190 Input: AC 100-240V, 50/60Hz, 2.0-1.0A Output: DC 19.0V, 6.31A, 120.0W AC Adapter2 Model:EA12321N-1901 Input: AC 100-240V, 50/60Hz, 3.5A Output: DC 19.0V, 12.1A, 230.0W Rechargeable lithium-Ion polymer Battery1 Model: ACC-006-60K(3ICP9/36/115) Rated Capacity: 5400mAh Voltage: 11.4VDC Watt-Hour: 61.56Wh Max Charge Voltage:13.05V Rechargeable lithium-Ion polymer Battery2 Model: ACC-006-60K(3ICP9/36/115) Rated Capacity: 5400mAh Voltage: 11.4VDC Watt-Hour: 61.56Wh Max Charge Voltage:13.05V			
Cable(s):	AC cable:175cm with a ferrite core			
Operation Frequency:	Band	Mode	Frequency Range(MHz)	Number of channels
	UNII Band 5	802.11ax/be(20MHz)	5955-6415	24
		802.11ax/be(40MHz)	5965-6405	12
		802.11ax/be(80MHz)	5985-6385	6
		802.11ax/be(160MHz)	6025-6345	3
		802.11ax/be(320MHz)	6105-6265	2
	UNII Band 6	802.11ax/be(20MHz)	6435-6515	5
		802.11ax/be(40MHz)	6445-6485	2
		802.11ax/be(80MHz)	6465-6545	2
		802.11ax/be(160MHz)	6505	1
		802.11ax/be(320MHz)	6425-6585	2
	UNII Band 7	802.11ax/be(20MHz)	6535-6855	17
		802.11ax/be(40MHz)	6525-6845	9
		802.11ax/be(80MHz)	6625-6785	3



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

SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260300102206

Page: 7 of 96

		802.11ax/be(160MHz)	6665-6825	2
		802.11ax/be(320MHz)	6745	1
	UNII Band 8	802.11ax/be(20MHz)	6875-7115	13
		802.11ax/be(40MHz)	6885-7085	6
		802.11ax/be(80MHz)	6865-7025	3
		802.11ax/be(160MHz)	6985	1
		802.11ax/be(320MHz)	6905	1
Modulation Type:	802.11ax: OFDMA(QPSK, BPSK, 16QAM, 64QAM, 256QAM, 1024QAM) 802.11be: OFDMA(QPSK, BPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM)			
Antenna Type:	PIFA Antenna			
Antenna Gain:	Antenna1: 4.0dBi, Antenna2: 4.9dBi @5955MHz~7115MHz Note: MIMO for 802.11n/ac/ax			

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

4.2 Description of Support Units

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

4.3 Measurement Uncertainty

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

Remark:

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

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



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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

4.4 Test Location

All tests were performed at:

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

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China. 518057.

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

No tests were sub-contracted.

4.5 Test Facility

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

• A2LA (Certificate No. 3816.01)

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

• VCCI (Member No. 1937)

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

• FCC –Designation Number: CN1336

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

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

• Innovation, Science and Economic Development Canada

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

CAB identifier: CN0006.

IC#: 4620C.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

5 Equipment List

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

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

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



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

SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260300102206

Page: 10 of 96

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

Contention Based Protocol					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Shielding Room	AUDIX	N/A	SEM001-08	2025-05-16	2028-05-15
EXA Signal Analyzer	KEYSIGHT	N9010A	SEM004-09	2026-02-03	2027-02-02
ESG Vector Signal Generator	KEYSIGHT	E4438C	SEM006-15	2025-07-24	2026-07-23
DC Power Supply	KEYSIGHT	E3642A	SEM011-07	2026-02-03	2027-02-02
Manual Step Attenuator	KEYSIGHT	8494B	SEM021-05	2026-02-02	2027-02-01
Manual Step Attenuator	KEYSIGHT	8496B	SEM021-06	2026-02-02	2027-02-01
Power Sensor	TST PASS	TSPS2023R	SEM009-26	2026-02-04	2027-02-03
Power Sensor	TST PASS	TSPS2023R	SEM009-27	2026-02-04	2027-02-03
Power Sensor	TST PASS	TSPS2023R	SEM009-28	2026-02-04	2027-02-03
Power Sensor	TST PASS	TSPS2023R	SEM009-29	2026-02-04	2027-02-03
Programmable Temperature&Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2026-02-03	2027-02-02
Universal Radio Communication Tester	Rohde&Schwarz	CMW500	SEM010-08	2026-02-03	2027-02-02
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM028-01	2025-07-05	2026-07-04



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

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

SZEMC-TRF-01 Rev. A/2

Report No.: SZCR260300102206

Page: 11 of 96

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



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

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

6.1.2 Conclusion

Standard Requirement:

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

EUT Antenna:

The antenna connector is a IPEX type that comply with Part15.203, the best case gain of the Antenna1: 4.0dBi, Antenna2: 4.9dBi @5955MHz~7115MHz.

Antenna location: Refer to internal photo.

6.2 Transmission in the Absence of Data

6.2.1 Test Requirement:

47 CFR Part 15, Subpart E 15.407 (c)

6.2.2 Conclusion

6.2.2 Conclusion

Standard Requirement:

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

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

EUT Details:

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



7 Radio Spectrum Matter Test Results

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

Test Requirement: 47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9)
 Test Method: ANSI C63.10 (2020) Section 6.2
 Test Engineer: Mason Wu
 Limit:

Frequency of emission(MHz)	Conducted limit(dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

7.1.1 E.U.T. Operation

Operating Environment:

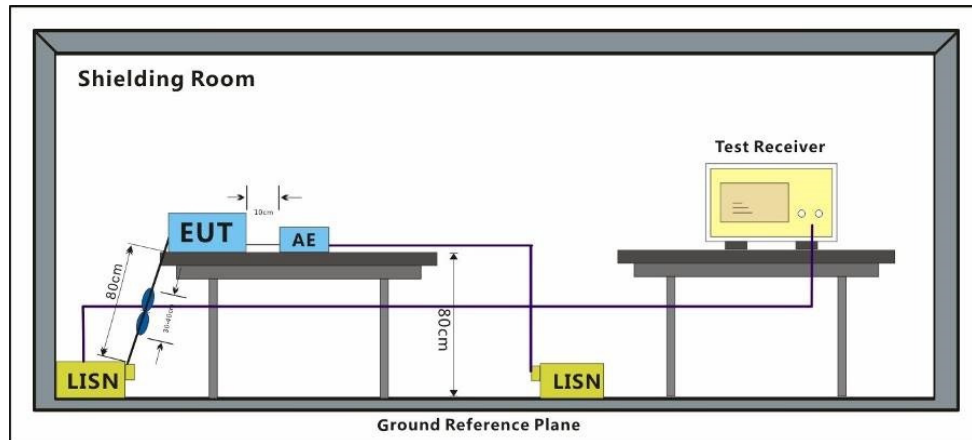
Temperature: 23.4 °C Humidity: 42.3 % RH Atmospheric Pressure: 1020 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	26	Charge + TX mode (U-NII-5)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160/320). Only the data of worst case is recorded in the report.
Pre-scan	28	Charge + TX mode (U-NII-6)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160). Only the data of worst case is recorded in the report.
Pre-scan	30	Charge + TX mode (U-NII-7)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160/320). Only the data of worst case is recorded in the report.
Pre-scan	32	Charge + TX mode (U-NII-8)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160/320). Only the data of worst case is recorded in the report.



7.1.3 Test Setup Diagram



7.1.4 Measurement Procedure and Data

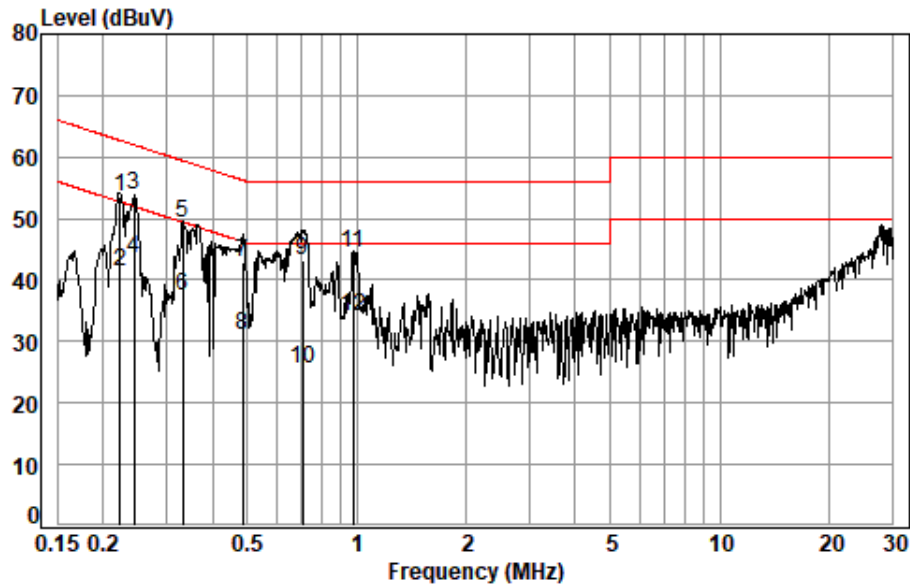
- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50μH + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

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

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



Test Mode: 26; Line: Live line

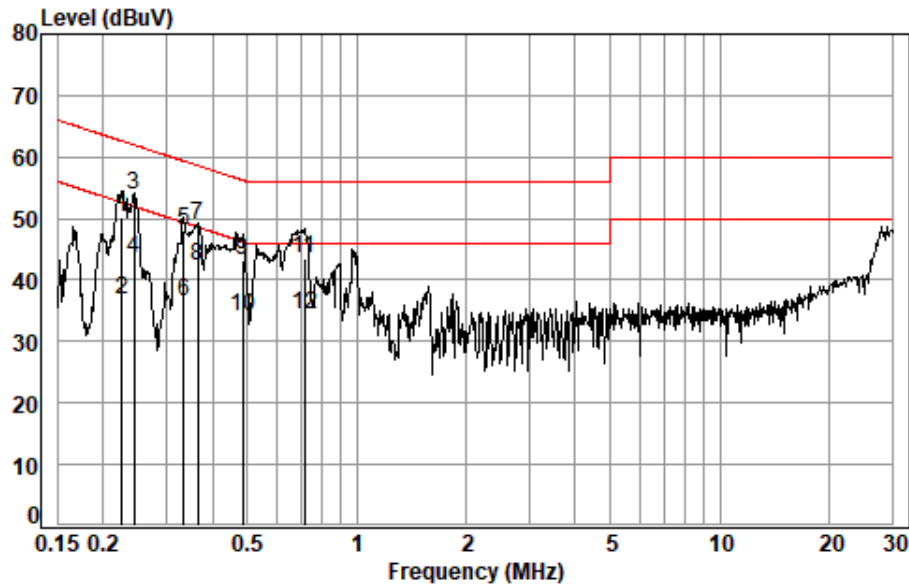


Site : Shielding Room
Condition: Line
Job No. : 01022AT
Test mode: 26

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.2232	0.07	9.63	43.72	53.42	62.70	-9.28	QP
2	0.2232	0.07	9.63	31.82	41.52	52.70	-11.18	Average
3 *	0.2442	0.07	9.63	44.14	53.84	61.95	-8.11	QP
4 *	0.2442	0.07	9.63	33.67	43.37	51.95	-8.58	Average
5	0.3321	0.08	9.63	39.53	49.24	59.40	-10.16	QP
6	0.3321	0.08	9.63	27.66	37.37	49.40	-12.03	Average
7	0.4837	0.09	9.64	33.02	42.75	56.27	-13.52	QP
8	0.4837	0.09	9.64	21.40	31.13	46.27	-15.14	Average
9	0.7084	0.10	9.65	33.52	43.27	56.00	-12.73	QP
10	0.7084	0.10	9.65	15.70	25.45	46.00	-20.55	Average
11	0.9787	0.11	9.67	34.58	44.36	56.00	-11.64	QP
12	0.9787	0.11	9.67	24.32	34.10	46.00	-11.90	Average



Test Mode: 26; Line: Neutral Line



Site : Shielding Room
Condition: Neutral
Job No. : 01022AT
Test mode: 26

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.2256	0.07	9.65	40.42	50.14	62.61	-12.47	QP
2	0.2256	0.07	9.65	27.02	36.74	52.61	-15.87	Average
3 *	0.2429	0.07	9.65	44.01	53.73	62.00	-8.27	QP
4	0.2429	0.07	9.65	33.84	43.56	52.00	-8.44	Average
5	0.3338	0.08	9.64	38.41	48.13	59.35	-11.22	QP
6	0.3338	0.08	9.64	26.86	36.58	49.35	-12.77	Average
7	0.3653	0.08	9.64	39.35	49.07	58.61	-9.54	QP
8 *	0.3653	0.08	9.64	32.60	42.32	48.61	-6.29	Average
9	0.4863	0.09	9.63	33.45	43.17	56.23	-13.06	QP
10	0.4863	0.09	9.63	24.46	34.18	46.23	-12.05	Average
11	0.7198	0.10	9.64	33.84	43.58	56.00	-12.42	QP
12	0.7198	0.10	9.64	24.67	34.41	46.00	-11.59	Average



7.2 Radiated Emissions which fall in the restricted bands

Test Requirement: 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)
 Test Method: ANSI C63.10 (2020) Section 6.10.5 & 12.7.2
 Measurement Distance: 3m
 Test Engineer: Logic Wang
 Limit:

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

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

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

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

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

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

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

7.2.1 E.U.T. Operation

Operating Environment:

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



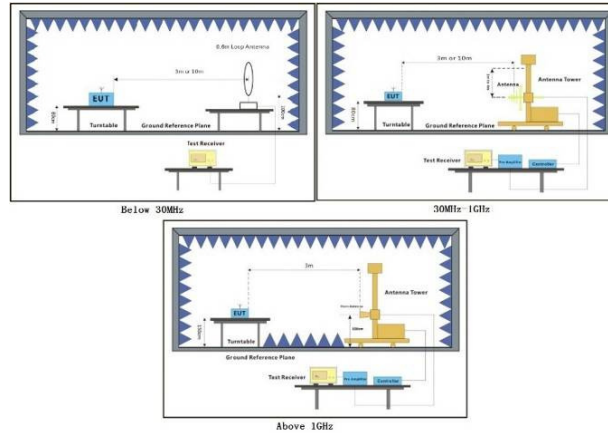
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
 Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	25	TX mode (U-NII-5)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160/320). Only the data of worst case is recorded in the report.
Final test	26	Charge + TX mode (U-NII-5)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160/320). Only the data of worst case is recorded in the report.
Pre-scan	27	TX mode (U-NII-6)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160). Only the data of worst case is recorded in the report.
Final test	28	Charge + TX mode (U-NII-6)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160). Only the data of worst case is recorded in the report.
Pre-scan	29	TX mode (U-NII-7)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160/320). Only the data of worst case is recorded in the report.
Final test	30	Charge + TX mode (U-NII-7)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160/320). Only the data of worst case is recorded in the report.
Pre-scan	31	TX mode (U-NII-8)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160/320). Only the data of worst case is recorded in the report.
Final test	32	Charge + TX mode (U-NII-8)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160/320). Only the data of worst case is recorded in the report.



7.2.3 Test Setup Diagram



7.2.4 Measurement Procedure and Data

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

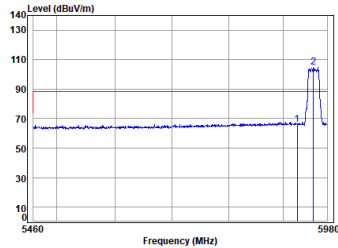
Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

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

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

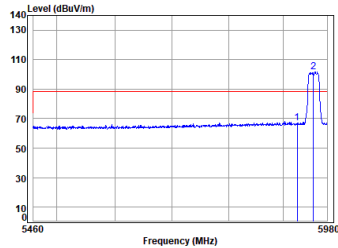


11ax_VHT(20M)_TX_CH_L_Horizontal-Peak



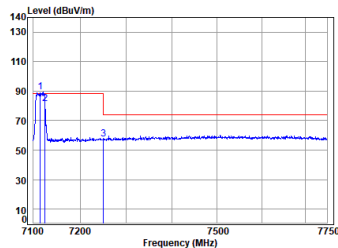
Site : chamber									
Condition: 3m HORIZONTAL									
Job No : 01022AT									
Mode : 5955 Band edge									
Cable : 66 WIFI 11AX20									
Freq	Loss	Factor	Ant	Preamp	Read	Limit	Over	Aux	
MHz	dB		Factor	Factor	Level	Line	Limit	Factor	
					dBuV	dBuV/m	dB		dB
1	5925.000	20.17	34.65	31.67	42.89	66.04	88.20	-22.16	Peak
2	5955.000	20.22	34.72	31.68	81.74	105.00	88.20	16.80	Peak

11ax_VHT(20M)_TX_CH_L_Vertical-Peak



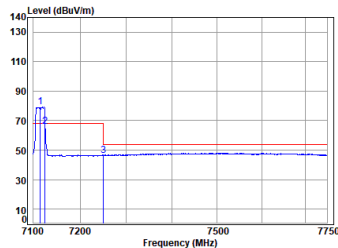
Site : chamber									
Condition: 3m VERTICAL									
Job No : 01022AT									
Mode : 5955 Band edge									
Cable : 66 WIFI 11AX20									
Freq	Loss	Factor	Ant	Preamp	Read	Limit	Over	Aux	
MHz	dB		Factor	Factor	Level	Line	Limit	Factor	
					dBuV	dBuV/m	dB		dB
1	5925.000	20.17	34.65	31.67	43.66	66.81	88.20	-21.39	Peak
2	5955.000	20.22	34.72	31.68	78.49	101.75	88.20	13.55	Peak

11ax_VHT(20M)_TX_CH_H_Horizontal-Peak



Site : chamber									
Condition: 3m HORIZONTAL									
Job No : 01022AT									
Mode : 7115 Band edge									
Cable : 66 WIFI 11AX20									
Freq	Loss	Factor	Ant	Preamp	Read	Limit	Over	Aux	
MHz	dB		Factor	Factor	Level	Line	Limit	Factor	
					dBuV	dBuV/m	dB		dB
1	7115.000	20.13	35.80	30.54	64.15	89.54	88.20	1.34	Peak
2	7125.000	20.13	35.80	30.53	55.80	81.20	88.20	-7.00	Peak
3	7250.000	20.16	35.70	30.47	32.17	57.56	74.00	-16.44	Peak

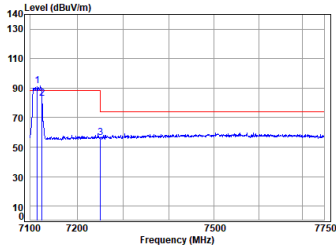
11ax_VHT(20M)_TX_CH_H_Horizontal-Avg



Site : chamber									
Condition: 3m HORIZONTAL									
Job No : 01022AT									
Mode : 7115 Band edge									
Cable : 66 WIFI 11AX20									
Freq	Loss	Factor	Ant	Preamp	Read	Limit	Over	Aux	
MHz	dB		Factor	Factor	Level	Line	Limit	Factor	
					dBuV	dBuV/m	dB		dB
1	7115.000	20.13	35.80	30.54	53.74	79.13	68.20	10.93	Average
2	7125.000	20.13	35.80	30.53	40.49	65.89	68.20	-2.31	Average
3	7250.000	20.16	35.70	30.47	20.94	46.33	54.00	-7.67	Average



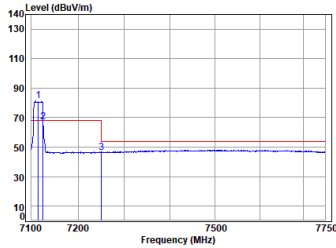
11ax_VHT(20M)_TX_CH_H_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 7115 Band edge
: 66 WIFI 11AX20

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	Loss	Factor	Factor	Level	dBuV	Line	Limit	Factor
dB	dB/m	dB	dB	dBuV	dBuV/m	dB	dB	dB
1 p 7115.000	20.13	35.80	30.54	66.21	91.60	88.20	3.40 Peak	0.00
2 7125.000	20.13	35.80	30.53	57.69	83.09	88.20	-5.11 Peak	0.00
3 7250.000	20.16	35.70	30.47	30.99	56.38	74.00	-17.62 Peak	0.00

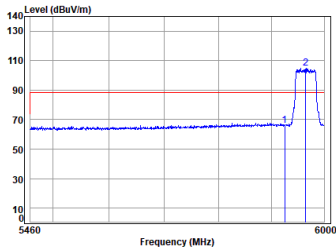
11ax_VHT(20M)_TX_CH_H_Vertical-Avg



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 7115 Band edge
: 66 WIFI 11AX20

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	Loss	Factor	Factor	Level	dBuV	Line	Limit	Factor
dB	dB/m	dB	dB	dBuV	dBuV/m	dB	dB	dB
1 q 7115.000	20.13	35.80	30.54	55.00	81.19	68.20	12.99 Average	0.00
2 7125.000	20.13	35.80	30.53	41.41	66.81	68.20	-1.39 Average	0.00
3 7250.000	20.16	35.70	30.47	20.94	46.33	54.00	-7.67 Average	0.00

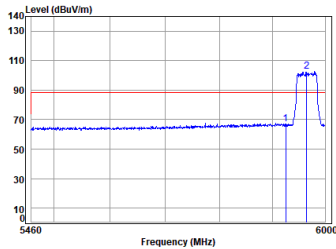
11ax_VHT(40M)_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5965 Band edge
: 66 WIFI 11AX40

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	Loss	Factor	Factor	Level	dBuV	Line	Limit	Factor
dB	dB/m	dB	dB	dBuV	dBuV/m	dB	dB	dB
1 5925.000	20.17	34.65	31.67	42.65	65.80	88.20	-22.40 Peak	0.00
2 p 5965.000	20.24	34.76	31.68	81.50	104.82	88.20	16.62 Peak	0.00

11ax_VHT(40M)_TX_CH_L_Vertical-Peak

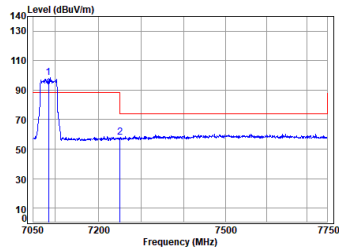


Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5965 Band edge
: 66 WIFI 11AX40

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	Loss	Factor	Factor	Level	dBuV	Line	Limit	Factor
dB	dB/m	dB	dB	dBuV	dBuV/m	dB	dB	dB
1 5925.000	20.17	34.65	31.67	43.68	66.83	88.20	-21.37 Peak	0.00
2 p 5965.000	20.24	34.76	31.68	79.37	102.69	88.20	14.49 Peak	0.00



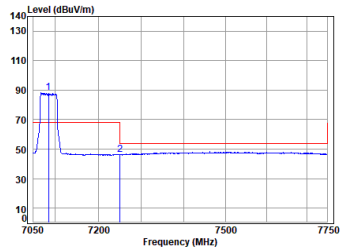
11ax_VHT(40M)_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 7085 Band edge
: 66 WIFI 11AX40

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Remark	Aux
MHz	Loss	Factor	Factor	Level	dBuV	dBuV/m	dB		Factor
1 p 7085.000	20.13	35.77	30.55	72.88	98.23	88.20	10.03	Peak	0.00
2 7250.000	20.16	35.70	30.47	32.66	58.05	74.00	-15.95	Peak	0.00

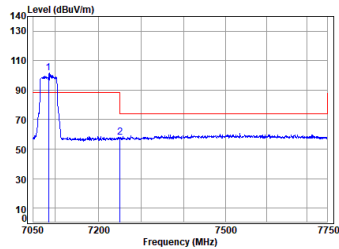
11ax_VHT(40M)_TX_CH_H_Horizontal-Avg



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 7085 Band edge
: 66 WIFI 11AX40

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Remark	Aux
MHz	Loss	Factor	Factor	Level	dBuV	dBuV/m	dB		Factor
1 q 7085.000	20.13	35.77	30.55	62.77	88.12	68.20	19.92	Average	0.00
2 7250.000	20.16	35.70	30.47	20.97	46.36	54.00	-7.64	Average	0.00

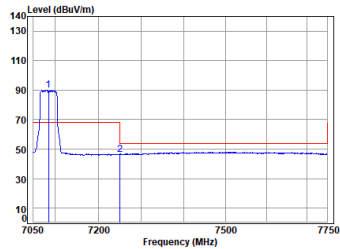
11ax_VHT(40M)_TX_CH_H_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 7085 Band edge
: 66 WIFI 11AX40

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Remark	Aux
MHz	Loss	Factor	Factor	Level	dBuV	dBuV/m	dB		Factor
1 p 7085.000	20.13	35.77	30.55	76.48	101.83	88.20	13.63	Peak	0.00
2 7250.000	20.16	35.70	30.47	32.57	57.96	74.00	-16.04	Peak	0.00

11ax_VHT(40M)_TX_CH_H_Vertical-Avg

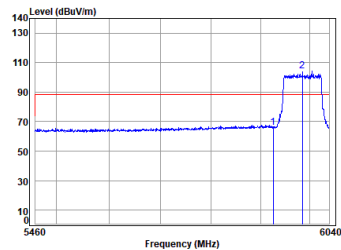


Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 7085 Band edge
: 66 WIFI 11AX40

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Remark	Aux
MHz	Loss	Factor	Factor	Level	dBuV	dBuV/m	dB		Factor
1 q 7085.000	20.13	35.77	30.55	64.68	90.03	68.20	21.83	Average	0.00
2 7250.000	20.16	35.70	30.47	21.00	46.39	54.00	-7.61	Average	0.00



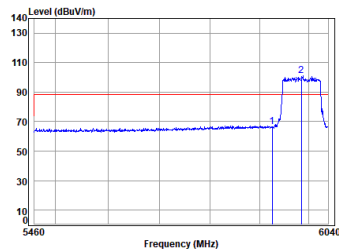
11ax_VHT(80M)_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5985 Band edge
: 66 WiFi 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5925.000	20.17	34.65	31.67	42.82	65.97	88.20	-22.23	Peak	0.00
2	5985.000	20.27	34.84	31.69	88.79	104.21	88.20	16.01	Peak	0.00

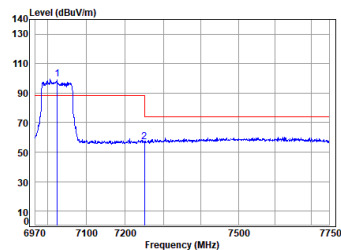
11ax_VHT(80M)_TX_CH_L_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5985 Band edge
: 66 WiFi 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	5925.000	20.17	34.65	31.67	43.21	66.36	88.20	-21.84	Peak	0.00
2	5985.000	20.27	34.84	31.69	77.58	101.00	88.20	12.80	Peak	0.00

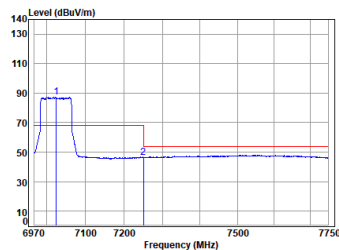
11ax_VHT(80M)_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 7025 Band edge
: 66 WiFi 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7025.000	20.11	35.70	30.59	74.39	99.61	88.20	11.41	Peak	0.00
2	7250.000	20.16	35.70	30.47	31.82	57.21	74.00	-16.79	Peak	0.00

11ax_VHT(80M)_TX_CH_H_Horizontal-Avg

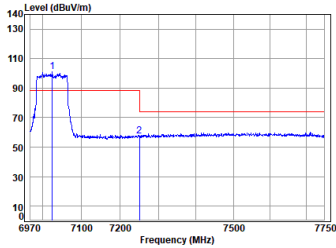


Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 7025 Band edge
: 66 WiFi 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1	7025.000	20.11	35.70	30.59	62.24	87.46	88.20	-0.74	Average	0.00
2	7250.000	20.16	35.70	30.47	21.11	46.50	54.00	-7.50	Average	0.00



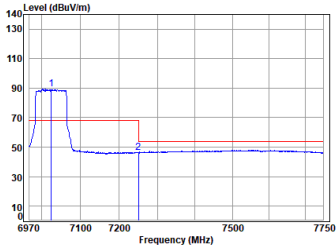
11ax_VHT(80M)_TX_CH_H_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 7025 Band edge
: 66 WIFI 11AX80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 p 7025.000	20.11	35.70	30.59	75.87	101.09	88.20	12.89	Peak	0.00
2 7250.000	20.16	35.70	30.47	32.11	57.50	74.00	-16.50	Peak	0.00

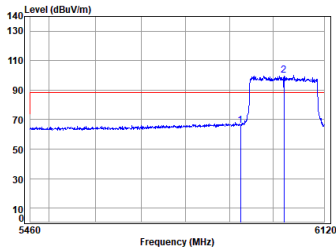
11ax_VHT(80M)_TX_CH_H_Vertical-Avg



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 7025 Band edge
: 66 WIFI 11AX80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 q 7025.000	20.11	35.70	30.59	64.35	89.57	68.20	21.37	Average	0.00
2 7250.000	20.16	35.70	30.47	21.12	46.51	54.00	-7.49	Average	0.00

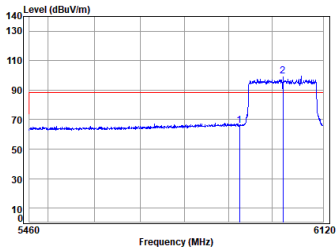
11ax_VHT(160M)_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 6025 Band edge
: 66 WIFI 11AX160

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 5925.000	20.17	34.65	31.67	42.93	66.08	88.20	-22.12	Peak	0.00
2 p 6025.000	20.27	34.95	31.67	76.71	100.26	88.20	12.06	Peak	0.00

11ax_VHT(160M)_TX_CH_L_Vertical-Peak

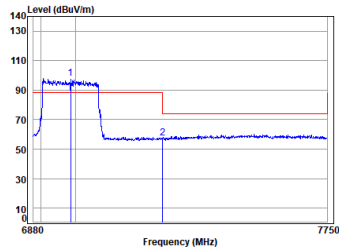


Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 6025 Band edge
: 66 WIFI 11AX160

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 5925.000	20.17	34.65	31.67	42.83	65.98	88.20	-22.22	Peak	0.00
2 p 6025.000	20.27	34.95	31.67	75.74	99.29	88.20	11.09	Peak	0.00



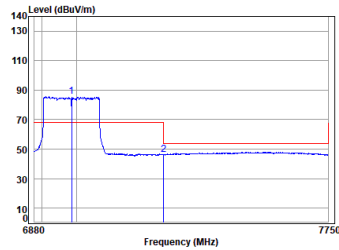
11ax_VHT(160M)_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 6985 Band edge
: 66 WIFI 11AX160

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	Loss	Factor	Factor	Level	dBuV	dBuV/m	dB	Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1 p 6985.000	20.10	35.73	30.62	72.74	97.95	88.20	9.75 Peak	0.00
2 7250.000	20.16	35.70	30.47	31.89	57.28	74.00	-16.72 Peak	0.00

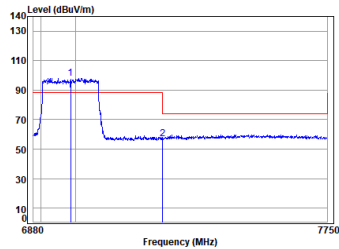
11ax_VHT(160M)_TX_CH_H_Horizontal-Avg



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 6985 Band edge
: 66 WIFI 11AX160

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	Loss	Factor	Factor	Level	dBuV	dBuV/m	dB	Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1 q 6985.000	20.10	35.73	30.62	68.35	85.56	68.20	17.36 Average	0.00
2 7250.000	20.16	35.70	30.47	20.89	46.28	54.00	-7.72 Average	0.00

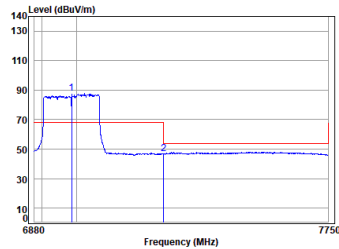
11ax_VHT(160M)_TX_CH_H_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 6985 Band edge
: 66 WIFI 11AX160

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	Loss	Factor	Factor	Level	dBuV	dBuV/m	dB	Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1 p 6985.000	20.10	35.73	30.62	72.98	98.19	88.20	9.99 Peak	0.00
2 7250.000	20.16	35.70	30.47	31.50	56.89	74.00	-17.11 Peak	0.00

11ax_VHT(160M)_TX_CH_H_Vertical-Avg

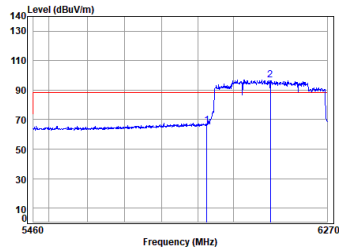


Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 6985 Band edge
: 66 WIFI 11AX160

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	Loss	Factor	Factor	Level	dBuV	dBuV/m	dB	Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1 q 6985.000	20.10	35.73	30.62	62.43	87.64	68.20	19.44 Average	0.00
2 7250.000	20.16	35.70	30.47	21.40	46.79	54.00	-7.21 Average	0.00



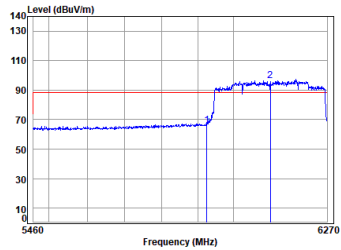
11be_VHT(320M)_TX_CH_L_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 6105 Band edge
: 66 WIFI 11BE320

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	Loss	Factor	Factor	Level	dBuV	dBuV/m	Limit	Factor
dB	dB/m	dB	dB	dBuV	dBuV/m	dB	dB	dB
1 5925.000	20.17	34.65	31.67	43.10	66.25	88.20	-21.95 Peak	0.00
2 p 6105.000	20.19	35.08	31.58	73.41	97.10	88.20	8.90 Peak	0.00

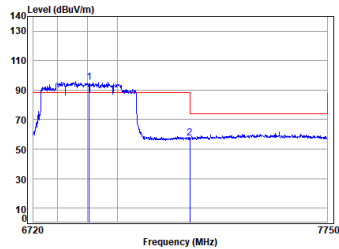
11be_VHT(320M)_TX_CH_L_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 6105 Band edge
: 66 WIFI 11BE320

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	Loss	Factor	Factor	Level	dBuV	dBuV/m	Limit	Factor
dB	dB/m	dB	dB	dBuV	dBuV/m	dB	dB	dB
1 5925.000	20.17	34.65	31.67	43.09	66.24	88.20	-21.96 Peak	0.00
2 p 6105.000	20.19	35.08	31.58	72.54	96.23	88.20	8.03 Peak	0.00

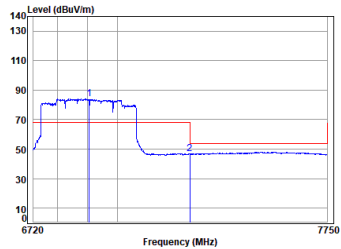
11be_VHT(320M)_TX_CH_H_Horizontal-Peak



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 6905 Band edge
: 66 WIFI 11BE320

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	Loss	Factor	Factor	Level	dBuV	dBuV/m	Limit	Factor
dB	dB/m	dB	dB	dBuV	dBuV/m	dB	dB	dB
1 p 6905.000	20.05	35.62	30.70	70.19	95.16	88.20	6.96 Peak	0.00
2 7250.000	20.16	35.70	30.47	31.95	57.34	74.00	-16.66 Peak	0.00

11be_VHT(320M)_TX_CH_H_Horizontal-Avg

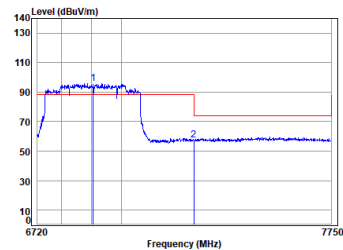


Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 6905 Band edge
: 66 WIFI 11BE320

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	Loss	Factor	Factor	Level	dBuV	dBuV/m	Limit	Factor
dB	dB/m	dB	dB	dBuV	dBuV/m	dB	dB	dB
1 q 6905.000	20.05	35.62	30.70	59.01	83.98	68.20	15.78 Average	0.00
2 7250.000	20.16	35.70	30.47	21.30	46.69	54.00	-7.31 Average	0.00



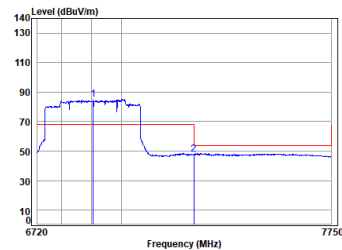
11be_VHT(320M)_TX_CH_H_Vertical-Peak



Site : chamber
Condition: 3m VERTICAL
Job No : 01822AT
Mode : 6905 Band edge
: 66 WIFI 11BE320

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Remark	Aux
MHz	Loss	Factor	Factor	Level	dBuV	dBuV/m	Limit		Factor
dB	dB/m	dB	dB	dBuV	dBuV/m	dB	dB		dB
1 p 6905.000	20.05	35.62	30.70	71.11	96.00	88.20	7.88	Peak	0.00
2 7250.000	20.16	35.70	30.47	32.16	57.55	74.00	-16.45	Peak	0.00

11be_VHT(320M)_TX_CH_H_Vertical-Avg



Site : chamber
Condition: 3m VERTICAL
Job No : 01822AT
Mode : 6905 Band edge
: 66 WIFI 11BE320

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Remark	Aux
MHz	Loss	Factor	Factor	Level	dBuV	dBuV/m	Limit		Factor
dB	dB/m	dB	dB	dBuV	dBuV/m	dB	dB		dB
1 q 6905.000	20.05	35.62	30.70	60.36	85.33	68.20	17.13	Average	0.00
2 7250.000	20.16	35.70	30.47	22.61	48.00	54.00	-6.00	Average	0.00



7.3 Radiated Emissions (Below 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)
 Test Method: ANSI C63.10 (2020) Section 6.4,6.5
 Measurement Distance: 3m
 Test Engineer: Mason Wu
 Limit:

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

7.3.1 E.U.T. Operation

Operating Environment:

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

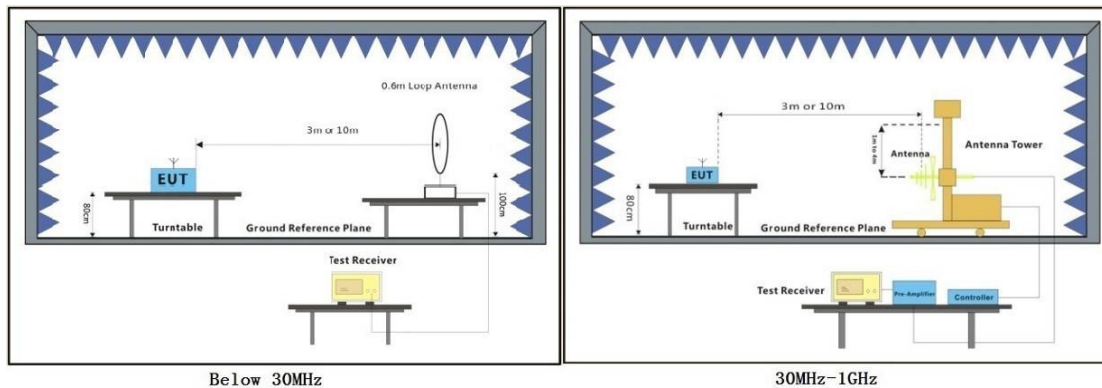
7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	25	TX mode (U-NII-5)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160/320). Only the data of worst case is recorded in the report.
Final test	26	Charge + TX mode (U-NII-5)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160/320). Only the data of worst case is recorded in the report.
Pre-scan	27	TX mode (U-NII-6)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160). Only the data of worst case is recorded in the report.
Pre-scan	28	Charge + TX mode (U-NII-6)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160). Only the data of worst case is recorded in the report.
Pre-scan	29	TX mode (U-NII-7)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and



		found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160/320). Only the data of worst case is recorded in the report.
Pre-scan	30	Charge + TX mode (U-NII-7)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160/320). Only the data of worst case is recorded in the report.
Pre-scan	31	TX mode (U-NII-8)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160/320). Only the data of worst case is recorded in the report.
Pre-scan	32	Charge + TX mode (U-NII-8)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160/320). Only the data of worst case is recorded in the report.

7.3.3 Test Setup Diagram



7.3.4 Measurement Procedure and Data

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

Remark:

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

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

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

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

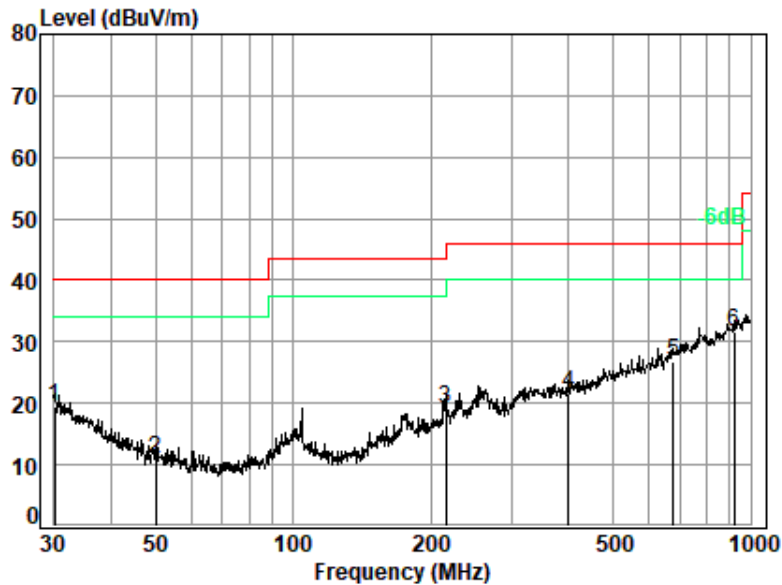
EX. Above 30MHz, Aux Factor = 20 dB/decade of distance, the aux factor is $20\log(10/3) = 10.46\text{dB}$ (for 10m test distance).

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

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



Test Mode: 26; Polarity: Horizontal

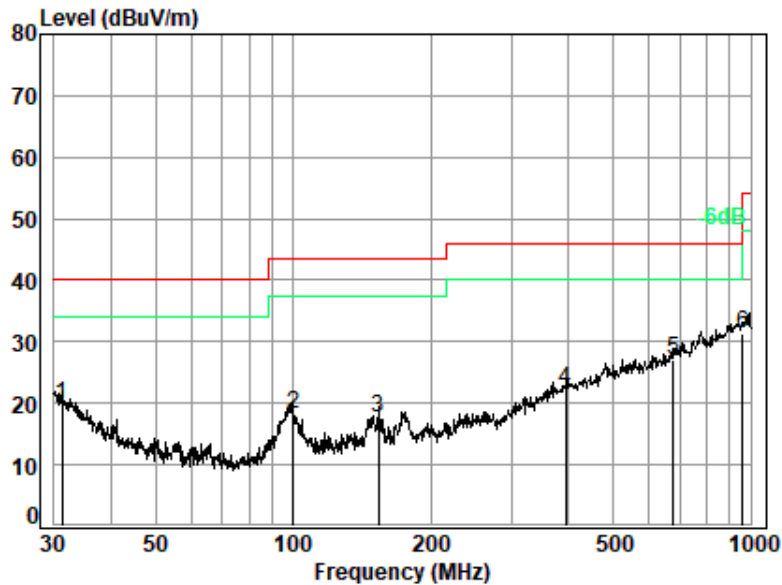


Site : chamber
Condition: 3m HORIZONTAL
Job No. : 01022AT
Test Mode: 26
: 2#

		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	30.105	21.40	0.74	27.65	25.11	19.60	40.00	-20.40	QP
2	50.057	13.03	0.90	27.63	24.74	11.04	40.00	-28.96	QP
3	215.268	15.01	1.77	27.75	30.25	19.28	43.50	-24.22	QP
4	400.432	20.48	2.49	27.75	26.47	21.69	46.00	-24.31	QP
5	677.580	25.58	3.34	27.89	25.88	26.91	46.00	-19.09	QP
6 q	919.287	28.73	4.02	26.85	25.67	31.57	46.00	-14.43	QP



Test Mode: 26; Polarity: Vertical



Site : chamber

Condition: 3m VERTICAL

Job No. : 01022AT

Test Mode: 26

: 2#

		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	31.289	20.79	0.75	27.65	25.95	19.84	40.00	-20.16	QP
2	99.878	12.52	1.22	27.60	32.05	18.19	43.50	-25.31	QP
3	153.739	13.84	1.52	27.72	29.93	17.57	43.50	-25.93	QP
4	394.855	20.43	2.47	27.74	26.93	22.09	46.00	-23.91	QP
5	677.580	25.58	3.34	27.89	25.95	26.98	46.00	-19.02	QP
6 q	958.794	29.31	4.09	26.63	24.46	31.23	46.00	-14.77	QP



7.4 Radiated Emissions (Above 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)
 Test Method: ANSI C63.10 (2020) Section 6.6 & 12.7
 Measurement Distance: 3m
 Test Engineer: Logic Wang
 Limit:

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

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

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

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

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

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

Remark:

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

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

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

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

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



7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C

Humidity: 56.3 % RH

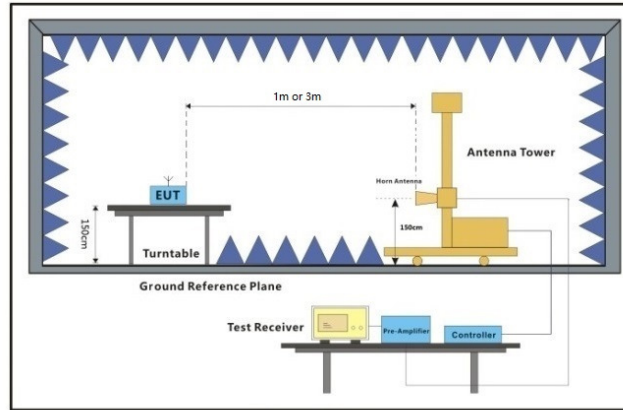
Atmospheric Pressure: 1020 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	25	TX mode (U-NII-5)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160/320). Only the data of worst case is recorded in the report.
Final test	26	Charge + TX mode (U-NII-5)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160/320). Only the data of worst case is recorded in the report.
Pre-scan	27	TX mode (U-NII-6)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160). Only the data of worst case is recorded in the report.
Final test	28	Charge + TX mode (U-NII-6)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160). Only the data of worst case is recorded in the report.
Pre-scan	29	TX mode (U-NII-7)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160/320). Only the data of worst case is recorded in the report.
Final test	30	Charge + TX mode (U-NII-7)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160/320). Only the data of worst case is recorded in the report.
Pre-scan	31	TX mode (U-NII-8)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160/320). Only the data of worst case is recorded in the report.
Final test	32	Charge + TX mode (U-NII-8)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160/320). Only the data of worst case is recorded in the report.



7.4.3 Test Setup Diagram



Above 1GHz



7.4.4 Measurement Procedure and Data

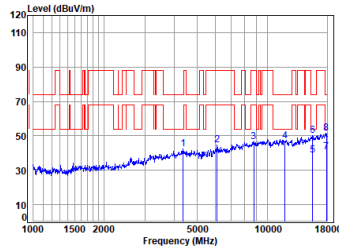
- For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- 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.
- 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.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.
- Test the EUT in the lowest channel, the middle channel, the Highest channel.
- The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- Repeat above procedures until all frequencies measured was complete.

Remark:

- Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- Scan from 1GHz to 40GHz, The points marked on below plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 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.
- 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.
- 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.
- 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.
- 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.



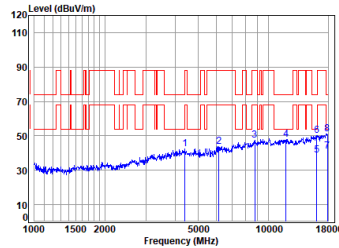
11ax_TX_CH_L_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 5955 TX RSE
Note : 66 WIFI 11AX20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Aux
MHz	Loss	Factor	Factor	Level	Line	Limit	Factor
dB	dB/m	dB	dB	dBuV	dBuV/m	dB	dB
1 4367.058	7.10	34.54	54.26	55.27	42.65	74.00	-31.35 Peak
2 6106.616	8.92	35.07	53.11	53.86	44.74	88.20	-43.46 Peak
3 8738.852	10.07	36.90	53.47	52.92	46.42	88.20	-41.78 Peak
4 11918.000	11.60	37.71	53.18	50.91	47.04	74.00	-26.96 Peak
5 15622.990	10.88	41.12	52.10	38.91	38.81	54.00	-15.19 Average
6 15622.990	10.88	41.12	52.10	50.19	50.09	74.00	-23.91 Peak
7 q17865.000	11.42	43.90	52.47	37.84	40.69	54.00	-13.31 Average
8 p17865.000	11.42	43.90	52.47	48.64	51.49	74.00	-22.51 Peak

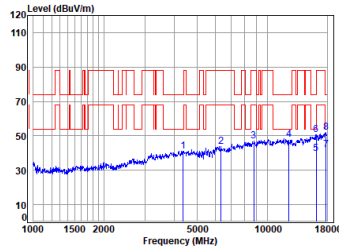
11ax_TX_CH_L_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 5955 TX RSE
Note : 66 WIFI 11AX20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Aux
MHz	Loss	Factor	Factor	Level	Line	Limit	Factor
dB	dB/m	dB	dB	dBuV	dBuV/m	dB	dB
1 4405.090	7.12	34.74	54.26	54.69	42.29	88.20	-45.91 Peak
2 6142.019	8.92	34.93	53.12	52.97	43.70	88.20	-44.50 Peak
3 8764.146	10.12	36.96	53.49	53.82	47.41	88.20	-40.79 Peak
4 11918.000	11.60	37.71	53.18	51.82	47.95	74.00	-26.05 Peak
5 16081.140	10.91	41.68	51.89	38.16	38.86	54.00	-15.14 Average
6 16081.140	10.91	41.68	51.89	49.51	50.21	74.00	-23.79 Peak
7 q17865.000	11.42	43.90	52.47	38.12	40.97	54.00	-13.83 Average
8 p17865.000	11.42	43.90	52.47	48.37	51.22	74.00	-22.78 Peak

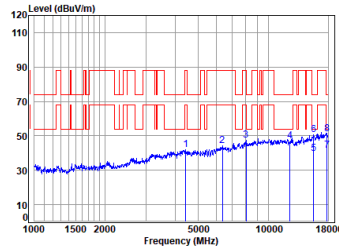
11ax_TX_CH_M_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 6175 TX RSE
Note : 66 WIFI 11AX20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Aux
MHz	Loss	Factor	Factor	Level	Line	Limit	Factor
dB	dB/m	dB	dB	dBuV	dBuV/m	dB	dB
1 4367.058	7.10	34.54	54.26	53.76	41.14	74.00	-32.86 Peak
2 6340.436	8.90	34.92	53.14	53.35	44.03	88.20	-44.17 Peak
3 8764.146	10.12	36.96	53.49	53.37	46.96	88.20	-41.24 Peak
4 12350.000	11.62	37.90	53.20	51.39	47.71	74.00	-26.29 Peak
5 16174.370	10.93	41.77	52.00	38.97	39.67	54.00	-14.33 Average
6 16174.370	10.93	41.77	52.00	49.84	50.54	74.00	-23.46 Peak
7 q17793.090	11.38	43.89	52.50	39.10	41.95	54.00	-12.05 Average
8 p17793.090	11.38	43.89	52.50	49.21	51.98	74.00	-22.02 Peak

11ax_TX_CH_M_Vertical

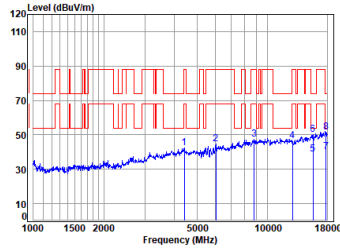


Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 6175 TX RSE
Note : 66 WIFI 11AX20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Aux
MHz	Loss	Factor	Factor	Level	Line	Limit	Factor
dB	dB/m	dB	dB	dBuV	dBuV/m	dB	dB
1 4430.628	7.13	34.43	54.25	54.64	41.95	88.20	-46.25 Peak
2 6377.195	8.89	35.06	53.14	53.44	44.25	88.20	-43.95 Peak
3 8836.214	9.12	36.40	53.12	54.90	47.38	74.00	-26.62 Peak
4 12350.000	11.62	37.90	53.20	50.83	47.15	74.00	-26.65 Peak
5 15622.990	10.88	41.12	52.10	39.90	39.88	54.00	-14.12 Average
6 15622.990	10.88	41.12	52.10	50.64	50.54	74.00	-23.46 Peak
7 q17793.090	11.38	43.89	52.50	38.64	41.41	54.00	-12.59 Average
8 p17793.090	11.38	43.89	52.50	48.16	50.93	74.00	-23.07 Peak



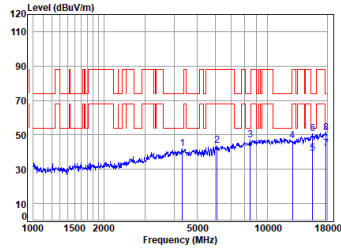
11ax_TX_CH_H_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 6415 TX RSE
Note : 66 WIFI 11AX20

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	Loss	Factor	Factor	Level	dBuV/m	dBuV/m	Limit	Factor
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	4417.841	7.13	34.59	54.26	55.02	42.48	88.20	-45.72 Peak
2	6018.999	8.93	34.94	53.10	53.75	44.52	88.20	-43.68 Peak
3	8789.516	10.17	37.06	53.50	53.50	47.23	88.20	-40.97 Peak
4	12838.000	10.94	38.13	53.20	50.52	46.39	88.20	-41.81 Peak
5	15668.210	10.89	41.17	52.06	38.90	38.90	54.00	-15.10 Average
6	15668.210	10.89	41.17	52.06	50.34	50.34	74.00	-23.66 Peak
7	q17844.590	11.41	43.90	52.48	37.54	40.37	54.00	-13.63 Average
8	p17844.590	11.41	43.90	52.48	48.61	51.44	74.00	-22.56 Peak

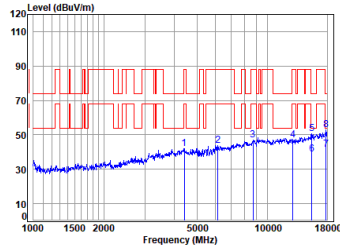
11ax_TX_CH_H_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 6415 TX RSE
Note : 66 WIFI 11AX20

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	Loss	Factor	Factor	Level	dBuV	dBuV/m	Limit	Factor
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	4341.886	7.09	34.34	54.26	54.66	41.83	74.00	-32.17 Peak
2	6088.991	8.92	35.08	53.11	52.87	43.76	88.20	-44.44 Peak
3	8440.945	9.52	36.62	53.33	54.14	46.95	74.00	-27.05 Peak
4	12838.000	10.94	38.13	53.20	50.00	46.67	88.20	-41.53 Peak
5	15622.990	10.88	41.12	52.10	39.16	39.06	54.00	-14.94 Average
6	15622.990	10.88	41.12	52.10	50.87	50.77	74.00	-23.23 Peak
7	q17793.090	11.38	43.89	52.50	39.20	41.97	54.00	-12.03 Average
8	p17793.090	11.38	43.89	52.50	48.38	51.15	74.00	-22.85 Peak

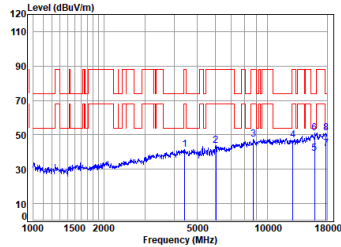
11ax_TX_CH_L_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 6435 TX RSE
Note : 66 WIFI 11AX20

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	Loss	Factor	Factor	Level	dBuV/m	dBuV/m	Limit	Factor
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	4417.841	7.13	34.59	54.26	54.57	42.03	88.20	-46.17 Peak
2	6142.019	8.92	34.93	53.12	53.19	43.92	88.20	-44.20 Peak
3	8688.480	9.97	36.90	53.45	53.66	47.08	88.20	-41.12 Peak
4	12870.000	10.86	38.17	53.20	51.26	47.09	88.20	-41.11 Peak
5	15488.110	10.87	41.09	52.20	51.06	50.82	74.00	-23.18 Peak
6	15488.110	10.87	41.09	52.20	39.03	38.79	54.00	-15.21 Average
7	q17844.590	11.41	43.90	52.48	38.51	41.34	54.00	-12.66 Average
8	p17844.590	11.41	43.90	52.48	50.00	52.83	74.00	-21.17 Peak

11ax_TX_CH_L_Vertical

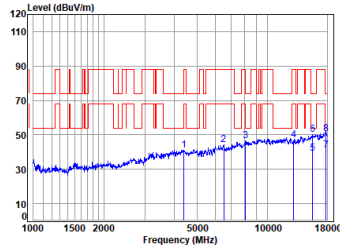


Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 6435 TX RSE
Note : 66 WIFI 11AX20

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	Loss	Factor	Factor	Level	dBuV	dBuV/m	Limit	Factor
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB
1	4443.453	7.14	34.28	54.25	54.29	41.46	88.20	-46.74 Peak
2	6018.999	8.93	34.94	53.10	52.81	43.58	88.20	-44.62 Peak
3	8713.630	10.02	36.90	53.46	53.93	47.39	88.20	-40.81 Peak
4	12870.000	10.86	38.17	53.20	51.10	46.93	88.20	-41.27 Peak
5	15942.300	10.90	41.48	51.84	38.68	39.22	54.00	-14.78 Average
6	15942.300	10.90	41.48	51.84	50.68	51.22	74.00	-22.70 Peak
7	q17844.590	11.41	43.90	52.48	39.13	41.96	54.00	-12.04 Average
8	p17844.590	11.41	43.90	52.48	48.43	51.26	74.00	-22.74 Peak



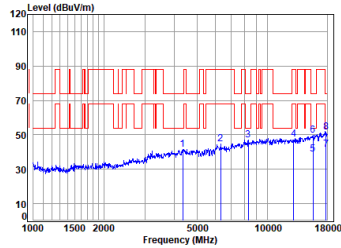
11ax_TX_CH_M_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 6475 TX RSE
Note : 66 WIFI 11AX20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4405.090	7.12	34.74	54.26	53.64	41.24	88.20	-46.96	Peak	0.00
2 6526.373	8.86	35.55	53.15	53.09	44.35	88.20	-43.85	Peak	0.00
3 8082.804	9.16	36.47	53.14	53.93	46.42	74.00	-27.58	Peak	0.00
4 12950.000	10.70	38.15	53.20	51.36	47.01	88.20	-41.19	Peak	0.00
5 15622.990	10.88	41.12	52.10	39.36	39.26	54.00	-14.74	Average	0.00
6 15622.990	10.88	41.12	52.10	50.26	50.16	74.00	-23.84	Peak	0.00
7 q17793.090	11.38	43.89	52.50	38.34	41.11	54.00	-12.89	Average	0.00
8 p17793.090	11.38	43.89	52.50	48.09	50.86	74.00	-23.14	Peak	0.00

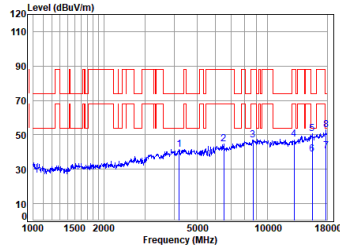
11ax_TX_CH_M_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 6475 TX RSE
Note : 66 WIFI 11AX20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4354.454	7.09	34.44	54.26	54.42	41.69	74.00	-32.31	Peak	0.00
2 6322.136	8.90	34.96	53.13	53.86	44.59	88.20	-43.61	Peak	0.00
3 8295.823	9.38	36.70	53.25	54.13	46.96	74.00	-27.04	Peak	0.00
4 12950.000	10.70	38.15	53.20	51.92	47.57	88.20	-40.63	Peak	0.00
5 15668.210	10.89	41.17	52.06	38.63	38.63	54.00	-15.37	Average	0.00
6 15668.210	10.89	41.17	52.06	49.91	49.91	74.00	-24.09	Peak	0.00
7 q17844.590	11.41	43.90	52.48	38.72	41.55	54.00	-12.45	Average	0.00
8 p17844.590	11.41	43.90	52.48	48.68	51.51	74.00	-22.49	Peak	0.00

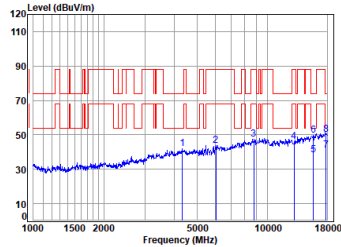
11ax_TX_CH_H_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 6515 TX RSE
Note : 66 WIFI 11AX20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4206.011	7.02	33.00	54.28	55.09	41.63	74.00	-32.37	Peak	0.00
2 6526.373	8.86	35.55	53.15	53.34	44.60	88.20	-43.60	Peak	0.00
3 8082.804	9.97	36.90	53.45	53.52	46.94	88.20	-41.26	Peak	0.00
4 13030.000	10.62	38.19	53.19	51.66	47.28	88.20	-40.92	Peak	0.00
5 15577.900	10.88	41.10	52.13	50.91	50.76	74.00	-23.24	Peak	0.00
6 15577.900	10.88	41.10	52.13	39.02	38.87	54.00	-15.13	Average	0.00
7 q17793.090	11.38	43.89	52.50	38.01	40.78	54.00	-13.22	Average	0.00
8 p17793.090	11.38	43.89	52.50	49.98	52.75	74.00	-21.25	Peak	0.00

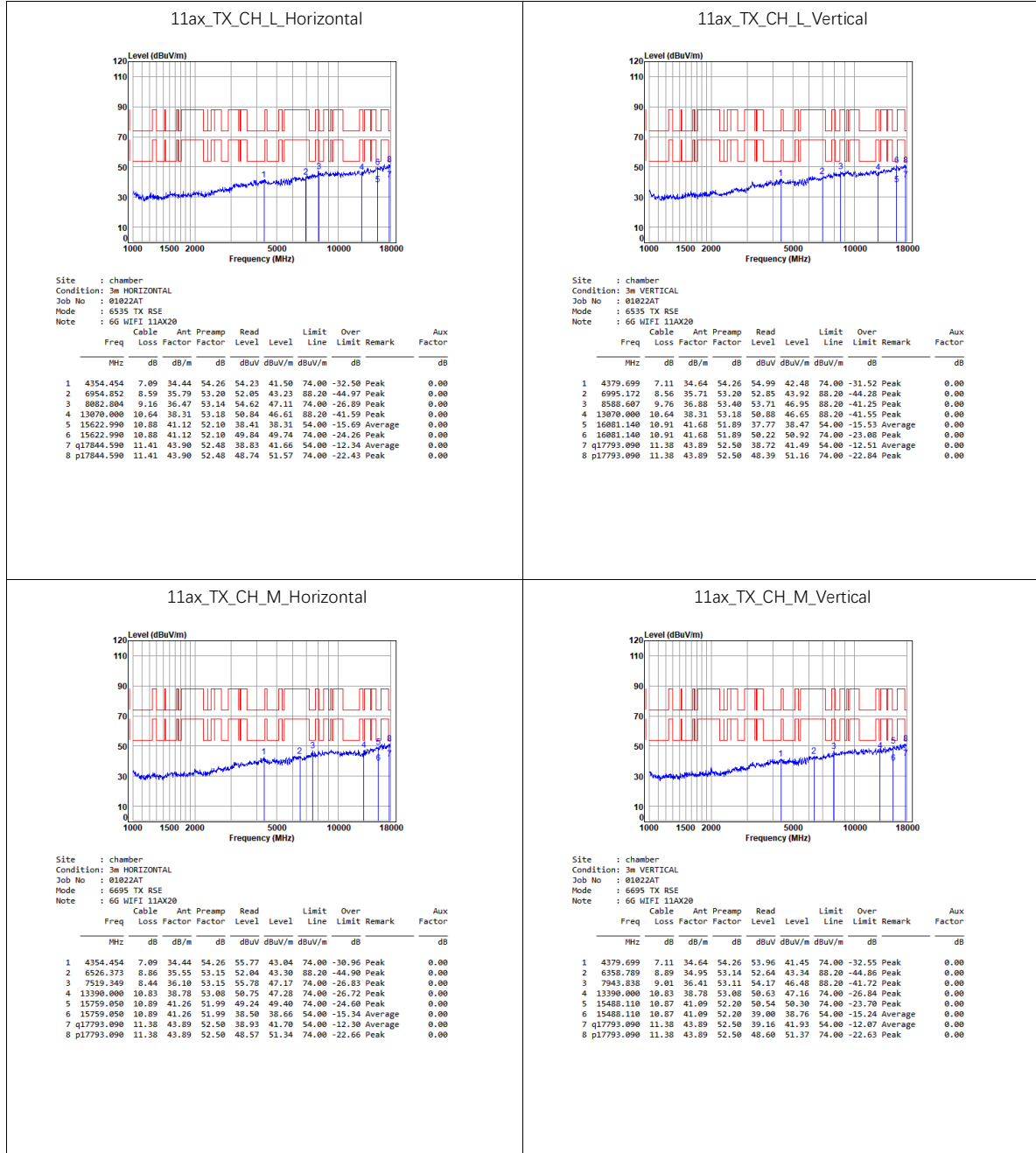
11ax_TX_CH_H_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 6515 TX RSE
Note : 66 WIFI 11AX20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark	Aux Factor
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 4329.354	7.08	34.23	54.26	54.95	42.00	74.00	-32.00	Peak	0.00
2 6018.990	8.93	34.94	53.10	53.21	43.98	88.20	-44.22	Peak	0.00
3 8764.146	10.12	36.96	53.49	54.04	47.63	88.20	-40.57	Peak	0.00
4 13030.000	10.62	38.19	53.19	50.43	46.05	88.20	-42.15	Peak	0.00
5 15713.560	10.89	41.21	52.02	38.33	38.41	54.00	-15.59	Average	0.00
6 15713.560	10.89	41.21	52.02	49.77	49.85	74.00	-24.15	Peak	0.00
7 q17844.590	11.41	43.90	52.48	38.23	41.06	54.00	-12.94	Average	0.00
8 p17844.590	11.41	43.90	52.48	47.57	50.40	74.00	-23.60	Peak	0.00

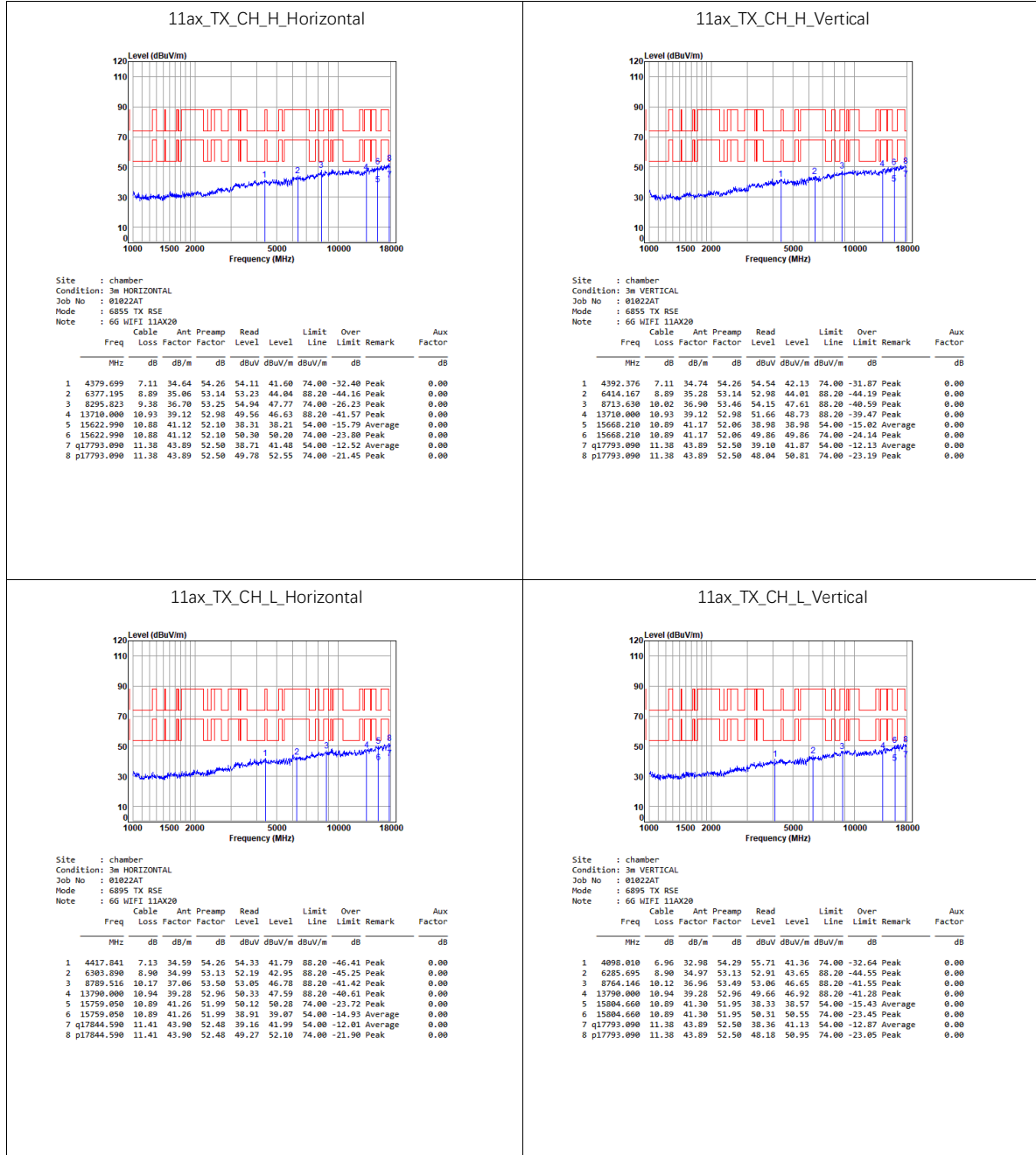




Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

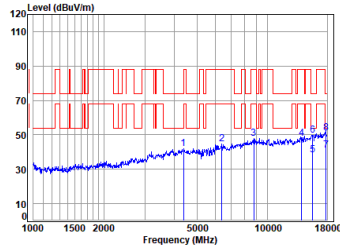


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

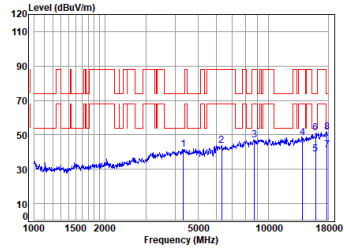
11ax_TX_CH_M_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 6995 TX RSE
Note : 66 WIFI 11AX20

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	Loss	Factor	Factor	Level	dBuV	Line	Limit	Factor
dB	dB	dB	dB	dBuV	dBuV/m	dB	dB	dB
1	4392.376	7.11	34.74	54.26	54.41	42.00	74.00	-32.00 Peak
2	6395.654	8.09	35.17	53.14	53.58	44.50	88.20	-43.70 Peak
3	8738.852	10.07	36.90	53.47	54.32	47.82	88.20	-40.38 Peak
4	13998.000	10.98	39.68	52.90	58.03	47.79	88.20	-40.41 Peak
5	15622.990	10.88	41.12	52.10	38.58	38.48	54.00	-15.52 Average
6	15622.990	10.88	41.12	52.10	58.04	49.94	74.00	-24.06 Peak
7	q17793.090	11.38	43.89	52.50	38.20	40.97	54.00	-13.03 Average
8	p17793.090	11.38	43.89	52.50	48.50	51.27	74.00	-22.73 Peak

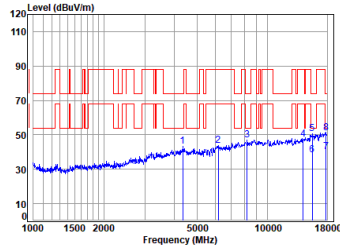
11ax_TX_CH_M_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 6995 TX RSE
Note : 66 WIFI 11AX20

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	Loss	Factor	Factor	Level	dBuV	Line	Limit	Factor
dB	dB	dB	dB	dBuV	dBuV/m	dB	dB	dB
1	4341.886	7.09	34.34	54.26	54.46	41.63	74.00	-32.37 Peak
2	6322.136	8.90	34.96	53.13	53.13	43.86	88.20	-44.34 Peak
3	8713.630	10.02	36.90	53.46	53.54	47.00	88.20	-41.20 Peak
4	13998.000	10.98	39.68	52.90	58.75	48.51	88.20	-39.69 Peak
5	15942.300	10.90	41.48	51.84	38.36	38.90	54.00	-15.10 Average
6	15942.300	10.90	41.48	51.84	58.64	51.18	74.00	-22.82 Peak
7	q17793.090	11.38	43.89	52.50	38.19	40.96	54.00	-13.04 Average
8	p17793.090	11.38	43.89	52.50	48.72	51.49	74.00	-22.51 Peak

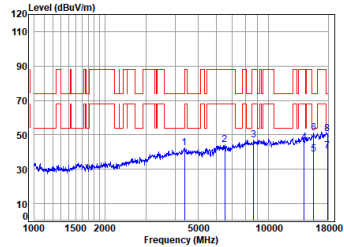
11ax_TX_CH_H_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 01022AT
Mode : 7115 TX RSE
Note : 66 WIFI 11AX20

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	Loss	Factor	Factor	Level	dBuV	Line	Limit	Factor
dB	dB	dB	dB	dBuV	dBuV/m	dB	dB	dB
1	4354.454	7.09	34.44	54.26	56.15	43.42	74.00	-30.58 Peak
2	6159.797	8.91	34.06	53.12	52.93	43.58	88.20	-44.62 Peak
3	8208.463	9.28	36.60	53.21	54.14	46.81	74.00	-27.19 Peak
4	14238.000	10.72	39.89	52.83	49.75	47.53	88.20	-40.67 Peak
5	15577.900	10.88	41.10	52.13	58.86	50.71	74.00	-23.29 Peak
6	15577.900	10.88	41.10	52.13	38.48	38.33	54.00	-15.67 Average
7	q17793.090	11.38	43.89	52.50	37.42	40.19	54.00	-13.81 Average
8	p17793.090	11.38	43.89	52.50	48.24	51.01	74.00	-22.99 Peak

11ax_TX_CH_H_Vertical

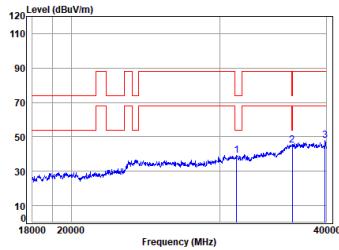


Site : chamber
Condition: 3m VERTICAL
Job No : 01022AT
Mode : 7115 TX RSE
Note : 66 WIFI 11AX20

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Aux
MHz	Loss	Factor	Factor	Level	dBuV	Line	Limit	Factor
dB	dB	dB	dB	dBuV	dBuV/m	dB	dB	dB
1	4379.699	7.11	34.64	54.26	54.87	42.36	74.00	-31.64 Peak
2	6326.373	8.86	35.55	53.16	53.16	44.42	88.20	-43.78 Peak
3	8663.404	9.92	36.90	53.44	53.79	47.17	88.20	-41.03 Peak
4	14238.000	10.72	39.89	52.83	48.02	45.80	88.20	-42.40 Peak
5	15622.990	10.88	41.12	52.10	38.96	38.86	54.00	-15.14 Average
6	p15622.990	10.88	41.12	52.10	51.16	51.06	74.00	-22.90 Peak
7	q17896.250	11.44	43.90	52.45	37.51	40.40	54.00	-13.68 Average
8	p17896.250	11.44	43.90	52.45	47.88	50.77	74.00	-23.23 Peak



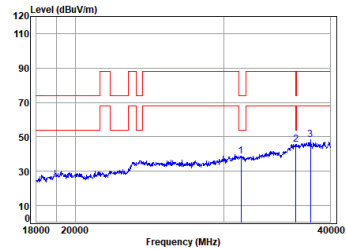
6G WIFI_TX_CH_M_Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 81822AT
Mode : 6535 RSE TX
: 6G WIFI 11AX20

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Remark	Aux
MHz	Loss	Factor	Factor	Level	dBuV	dBuV/m	Limit		Factor
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 31378.820	7.71	40.55	51.82	52.46	39.36	74.00	-34.64	Peak	-9.54
2 36498.470	7.91	42.29	49.59	54.03	45.10	74.00	-28.90	Peak	-9.54
3 39872.440	7.68	43.25	54.32	60.78	47.85	88.20	-40.35	Peak	-9.54

6G WIFI_TX_CH_M_Vertical



Site : chamber
Condition: 3m VERTICAL
Job No : 81822AT
Mode : 6535 RSE TX
: 6G WIFI 11AX20

Freq	Cable	Ant	Preamp	Read	Level	Limit	Over	Remark	Aux
MHz	Loss	Factor	Factor	Level	dBuV	dBuV/m	Limit		Factor
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		dB
1 31403.880	7.72	40.54	51.82	51.99	38.89	74.00	-35.11	Peak	-9.54
2 36432.240	7.97	42.25	49.55	54.52	45.65	74.00	-28.35	Peak	-9.54
3 37916.240	7.83	42.57	50.15	57.84	48.55	88.20	-39.65	Peak	-9.54



7.5 Contention Based Protocol

Test Requirement 47 CFR Part 15, Subpart E 15.407 (d)(6)
 Test Method: KDB 987594 D02 Section II.I.
 Test Engineer: Joke Huang
 Limit:

Unlicensed low-power indoor devices must detect co-channel radio frequency power that is at least -62 dBm or lower. Upon detection of energy in the band, unlicensed low power indoor devices must vacate the channel (in which incumbent signal is transmitted) and stay off the incumbent channel as long as detected radio frequency power is equal to or greater than the threshold (-62 dBm). The -62 dBm (or lower) threshold is referenced to a 0 dBi antenna gain. To ensure incumbent operations are reliably detected in the band, low power indoor devices must detect RF energy throughout their intended operating channel. For example, an 802.11 device that plans to transmit a 40 MHz- wide signal (on a primary 20 MHz channel and a secondary 20 MHz channel) must detect energy throughout the entire 40 MHz channel. Additionally, low-power indoor devices must detect co-channel energy with 90% or greater certainty.

7.5.1 E.U.T. Operation

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

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	25	TX mode (U-NII-5)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160/320). Only the data of worst case is recorded in the report.
Final test	26	Charge + TX mode (U-NII-5)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160/320). Only the data of worst case is recorded in the report.
Final test	27	TX mode (U-NII-6)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160). Only the data of worst case is recorded in the report.
Final test	28	Charge + TX mode (U-NII-6)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160). Only the data of worst case is recorded in the report.
Final test	29	TX mode (U-NII-7)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160/320). Only the data of worst case is recorded in the report.



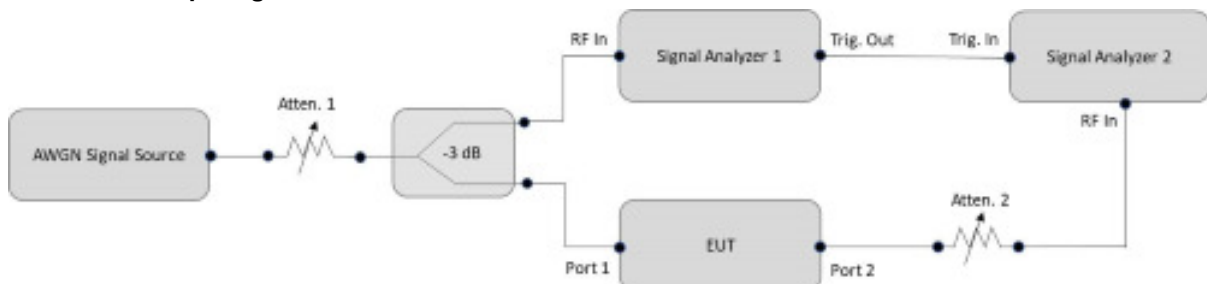
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Final test	30	Charge + TX mode (U-NII-7)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160/320). Only the data of worst case is recorded in the report.
Final test	31	TX mode (U-NII-8)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160/320). Only the data of worst case is recorded in the report.
Final test	32	Charge + TX mode (U-NII-8)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ HE0 is the worst case of IEEE 802.11ax/be(HT20/40/80/160/320). Only the data of worst case is recorded in the report.

7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

1. Configure the EUT to transmit with a constant duty cycle.
2. Set the operating parameters of the EUT including power level, operating frequency, modulation and bandwidth.
3. Set the signal analyzer center frequency to the nominal EUT channel center frequency. The span range of the signal analyzer shall be between two times and five times the OBW of the EUT. Connect the output port of the EUT to the signal analyzer 2, as shown in Figure 2. Ensure that the attenuator 2 provides enough attenuation to not overload the signal analyzer 2 receiver.
4. Monitoring the signal analyzer 2, verify the EUT is operating and transmitting with the parameters set at step two.
5. Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use Table 1 to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
6. Set the AWGN signal power to an extremely low level (more than 20 dB below the -62 dBm threshold). Connect the AWGN signal source, via a 3-dB splitter, to the signal analyzer 1.
7. Transmit the AWGN signal (RF ON) and verify its characteristics on the signal analyzer 1.
8. Monitor the signal analyzer 2 to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.
9. (Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty.
10. Refer to Table 1 to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step 5, choose a different center frequency for the AWGN signal and repeat the process.

Detection Level=Injected AWGN Power(dBm)-Antenna Gain(dBi)+Path Loss(dB)

Please Refer to Appendix for Details



8 Test Setup Photo

Refer to Appendix – Test Setup Photos for SZCR2603001022AT

9 EUT Constructional Details (EUT Photos)

Refer to Appendix - External and Internal photos for SZCR2603001022AT



10 Appendix

1. Contention Based Protocol

1.1 Test Result

1.1.1 Duty Cycle_Band 5_Ant1

Ant1			
Mode	Freq. (MHz)	Incumbent Frequency (MHz)	Duty Cycle (%)
802.11be (EHT20)	6175	6175.000	42.14
802.11be (EHT320)	6105	5950.000	32.00
		6105.000	32.00
		6260.000	32.00

1.1.2 Contention Based Protocol_Detection Power_Band 5_Ant1

Ant1								
Mode	Freq. (MHz)	Incumbent Frequency (MHz)	EUT Status	Detected Power			Limit (dBm)	Verdict
				AWGN Power (dBm)	Antenna Gain (dBi)	Adjusted Power (dBm)		
802.11be (EHT20)	6175	6175.000	OFF	-69.18	4	-73.18	<=-62	Pass
			Minimal	-72.83	4	-76.83	<=-62	Pass
			ON	-75.45	4	-79.45	<=-62	Pass
802.11be (EHT320)	6105	5950.000	OFF	-69.99	4	-73.99	<=-62	Pass
			Minimal	-72.80	4	-76.80	<=-62	Pass
			ON	-75.32	4	-79.32	<=-62	Pass
		6105.000	OFF	-65.33	4	-69.33	<=-62	Pass
			Minimal	-68.27	4	-72.27	<=-62	Pass
			ON	-71.05	4	-75.05	<=-62	Pass
		6260.000	OFF	-68.28	4	-72.28	<=-62	Pass
			Minimal	-71.10	4	-75.10	<=-62	Pass
			ON	-73.83	4	-77.83	<=-62	Pass



1.1.3 Contention Based Protocol_Detection Probability_Band 5_Ant1

Ant1															
Mode	Freq. (MHz)	Incumbent Freq. (MHz)	1	2	3	4	5	6	7	8	9	10	Detected Probability (%)		Verdict
													Result	Limit	
802.11be (EHT20)	6175	6175.000	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	90	>=90	Pass
802.11be (EHT320)	6105	5950.000	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	90	>=90	Pass
		6105.000	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	>=90	Pass
		6260.000	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	>=90
Note1: CBP Detection Trials (Y=Detection, N=No Detection)															

1.1.4 Duty Cycle_Band 6_Ant1

Ant1			
Mode	Freq. (MHz)	Incumbent Frequency (MHz)	Duty Cycle (%)
802.11be (EHT20)	6475	6475.000	34.53

1.1.5 Contention Based Protocol_Detection Power_Band 6_Ant1

Ant1								
Mode	Freq. (MHz)	Incumbent Frequency (MHz)	EUT Status	Detected Power			Limit (dBm)	Verdict
				AWGN Power (dBm)	Antenna Gain (dBi)	Adjusted Power (dBm)		
802.11be (EHT20)	6475	6475.000	OFF	-66.52	4	-70.52	<=-62	Pass
			Minimal	-69.40	4	-73.40	<=-62	Pass
			ON	-72.25	4	-76.25	<=-62	Pass

1.1.6 Contention Based Protocol_Detection Probability_Band 6_Ant1

Ant1															
Mode	Freq. (MHz)	Incumbent Freq. (MHz)	1	2	3	4	5	6	7	8	9	10	Detected Probability (%)		Verdict
													Result	Limit	
802.11be (EHT20)	6475	6475.000	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	>=90	Pass
Note1: CBP Detection Trials (Y=Detection, N=No Detection)															

1.1.7 Duty Cycle_Band 7_Ant1

Ant1			
Mode	Freq. (MHz)	Incumbent Frequency (MHz)	Duty Cycle (%)
802.11be (EHT20)	6695	6695.000	74.35

1.1.8 Contention Based Protocol_Detection Power_Band 7_Ant1

Ant1								
Mode	Freq. (MHz)	Incumbent Frequency (MHz)	EUT Status	Detected Power			Limit (dBm)	Verdict
				AWGN Power (dBm)	Antenna Gain (dBi)	Adjusted Power (dBm)		
802.11be (EHT20)	6695	6695.000	OFF	-66.35	4	-70.35	<=-62	Pass
			Minimal	-69.18	4	-73.18	<=-62	Pass
			ON	-71.76	4	-75.76	<=-62	Pass

1.1.9 Contention Based Protocol_Detection Probability_Band 7_Ant1

Ant1															
Mode	Freq. (MHz)	Incumbent Freq. (MHz)	1	2	3	4	5	6	7	8	9	10	Detected Probability (%)		Verdict
													Result	Limit	
802.11be (EHT20)	6695	6695.000	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	90	>=90	Pass

Note1: CBP Detection Trials (Y=Detection, N=No Detection)

1.1.10 Duty Cycle_Band 8_Ant1

Ant1			
Mode	Freq. (MHz)	Incumbent Frequency (MHz)	Duty Cycle (%)
802.11be (EHT20)	6995	6995.000	93.32



1.1.11 Contention Based Protocol_Detection Power_Band 8_Ant1

Ant1								
Mode	Freq. (MHz)	Incumbent Frequency (MHz)	EUT Status	Detected Power			Limit (dBm)	Verdict
				AWGN Power (dBm)	Antenna Gain (dBi)	Adjusted Power (dBm)		
802.11be (EHT20)	6995	6995.000	OFF	-64.27	4	-68.27	<=-62	Pass
			Minimal	-68.09	4	-72.09	<=-62	Pass
			ON	-70.75	4	-74.75	<=-62	Pass

1.1.12 Contention Based Protocol_Detection Probability_Band 8_Ant1

Ant1															
Mode	Freq. (MHz)	Incumbent Freq. (MHz)	1	2	3	4	5	6	7	8	9	10	Detected Probability (%)		Verdict
													Result	Limit	
802.11be (EHT20)	6995	6995.000	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	>=90	Pass

Note1: CBP Detection Trials (Y=Detection, N=No Detection)

1.1.13 Duty Cycle_Band 7+8_Ant1

Ant1			
Mode	Freq. (MHz)	Incumbent Frequency (MHz)	Duty Cycle (%)
802.11be (EHT320)	6905	6750.000	42.62
		6905.000	42.62
		7060.000	42.62



1.1.14 Contention Based Protocol_Detection Power_Band 7+8_Ant1

Ant1								
Mode	Freq. (MHz)	Incumbent Frequency (MHz)	EUT Status	Detected Power			Limit (dBm)	Verdict
				AWGN Power (dBm)	Antenna Gain (dBi)	Adjusted Power (dBm)		
802.11be (EHT320)	6905	6750.000	OFF	-66.08	4	-70.08	<=-62	Pass
			Minimal	-68.91	4	-72.91	<=-62	Pass
			ON	-71.76	4	-75.76	<=-62	Pass
		6905.000	OFF	-62.86	4	-66.86	<=-62	Pass
			Minimal	-65.81	4	-69.81	<=-62	Pass
			ON	-68.66	4	-72.66	<=-62	Pass
		7060.000	OFF	-68.51	4	-72.51	<=-62	Pass
			Minimal	-71.36	4	-75.36	<=-62	Pass
			ON	-73.99	4	-77.99	<=-62	Pass

1.1.15 Contention Based Protocol_Detection Probability_Band 7+8_Ant1

Ant1															
Mode	Freq. (MHz)	Incumbent Freq. (MHz)	1	2	3	4	5	6	7	8	9	10	Detected Probability (%)		Verdict
													Result	Limit	
802.11be (EHT320)	6905	6750.000	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	>=90	Pass
		6905.000	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	90	>=90	Pass
		7060.000	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	>=90	Pass

Note1: CBP Detection Trials (Y=Detection, N=No Detection)

1.1.16 Duty Cycle_Band 5+6+7_Ant1

Ant1			
Mode	Freq. (MHz)	Incumbent Frequency (MHz)	Duty Cycle (%)
802.11be (EHT320)	6425	6270.000	72.05
		6425.000	72.05
		6580.000	72.05

1.1.17 Contention Based Protocol_Detection Power_Band 5+6+7_Ant1

Ant1								
Mode	Freq. (MHz)	Incumbent Frequency (MHz)	EUT Status	Detected Power			Limit (dBm)	Verdict
				AWGN Power (dBm)	Antenna Gain (dBi)	Adjusted Power (dBm)		
802.11be (EHT320)	6425	6270.000	OFF	-66.40	4	-70.40	<=-62	Pass
			Minimal	-69.27	4	-73.27	<=-62	Pass
			ON	-72.11	4	-76.11	<=-62	Pass
		6425.000	OFF	-63.93	4	-67.93	<=-62	Pass
			Minimal	-66.82	4	-70.82	<=-62	Pass
			ON	-69.71	4	-73.71	<=-62	Pass
		6580.000	OFF	-67.58	4	-71.58	<=-62	Pass
			Minimal	-70.34	4	-74.34	<=-62	Pass
			ON	-73.02	4	-77.02	<=-62	Pass

1.1.18 Contention Based Protocol_Detection Probability_Band 5+6+7_Ant1

Ant1															
Mode	Freq. (MHz)	Incumbent Freq. (MHz)	1	2	3	4	5	6	7	8	9	10	Detected Probability (%)		Verdict
													Result	Limit	
802.11be (EHT320)	6425	6270.000	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	90	>=90	Pass
		6425.000	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	>=90	Pass
		6580.000	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	100	>=90	Pass

Note1: CBP Detection Trials (Y=Detection, N=No Detection)

1.1.19 Duty Cycle_Band 6+7_Ant1

Ant1			
Mode	Freq. (MHz)	Incumbent Frequency (MHz)	Duty Cycle (%)
802.11be (EHT320)	6585	6430.000	47.05
		6585.000	47.05
		6740.000	47.05

1.1.20 Contention Based Protocol_Detection Power_Band 6+7_Ant1

Ant1								
Mode	Freq. (MHz)	Incumbent Frequency (MHz)	EUT Status	Detected Power			Limit (dBm)	Verdict
				AWGN Power (dBm)	Antenna Gain (dBi)	Adjusted Power (dBm)		
802.11be (EHT320)	6585	6430.000	OFF	-66.27	4	-70.27	<=-62	Pass
			Minimal	-69.11	4	-73.11	<=-62	Pass
			ON	-71.87	4	-75.87	<=-62	Pass
		6585.000	OFF	-65.35	4	-69.35	<=-62	Pass
			Minimal	-68.25	4	-72.25	<=-62	Pass
			ON	-71.01	4	-75.01	<=-62	Pass
		6740.000	OFF	-66.34	4	-70.34	<=-62	Pass
			Minimal	-69.23	4	-73.23	<=-62	Pass
			ON	-72.03	4	-76.03	<=-62	Pass

1.1.21 Contention Based Protocol_Detection Probability_Band 6+7_Ant1

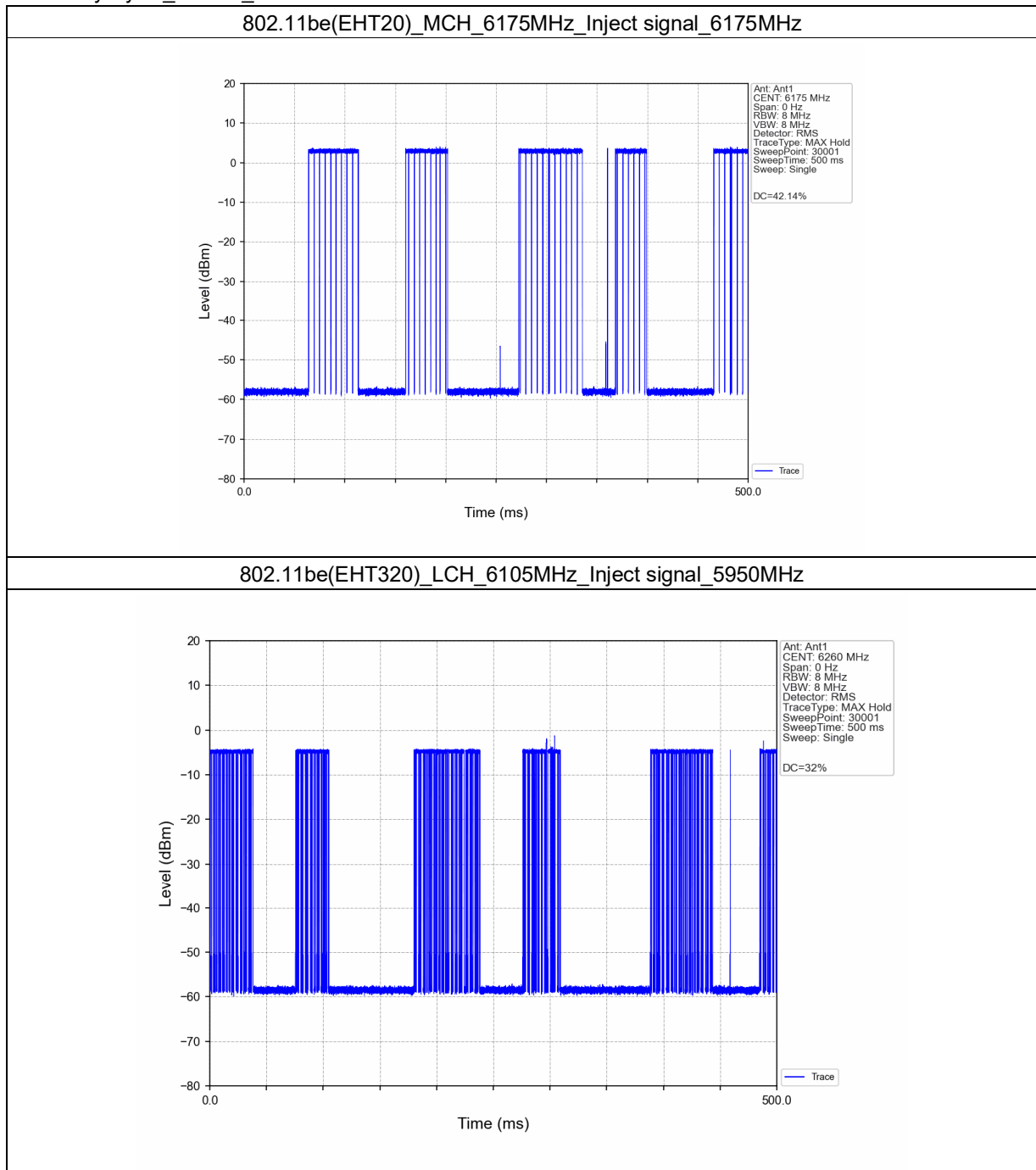
Ant1															
Mode	Freq. (MHz)	Incumbent Freq. (MHz)	1	2	3	4	5	6	7	8	9	10	Detected Probability (%)		Verdict
													Result	Limit	
802.11be (EHT320)	6585	6430.000	Y	Y	Y	Y	N	Y	Y	Y	Y	Y	90	>=90	Pass
		6585.000	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	90	>=90	Pass
		6740.000	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	90	>=90	Pass

Note1: CBP Detection Trials (Y=Detection, N=No Detection)



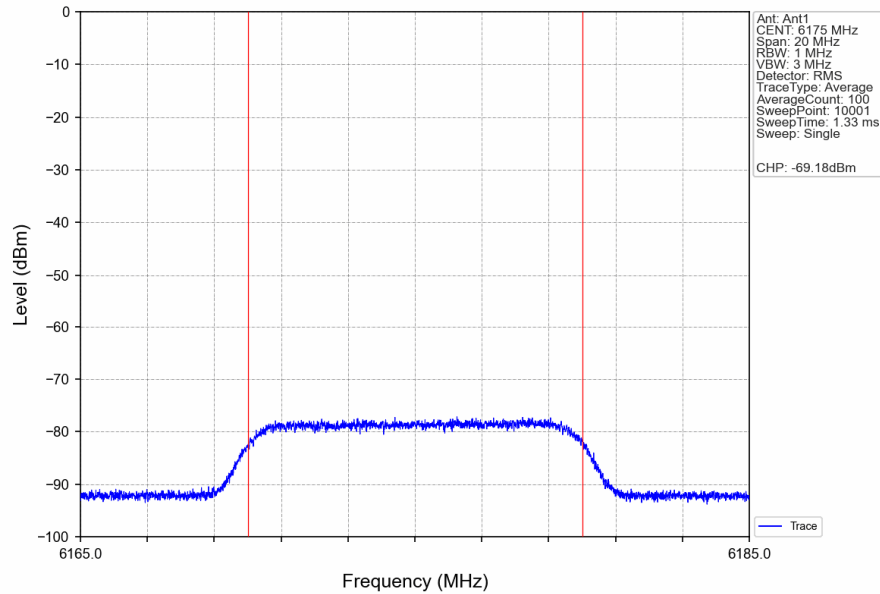
1.2 Test Graph

1.2.1 Duty Cycle_Band 5_Ant1

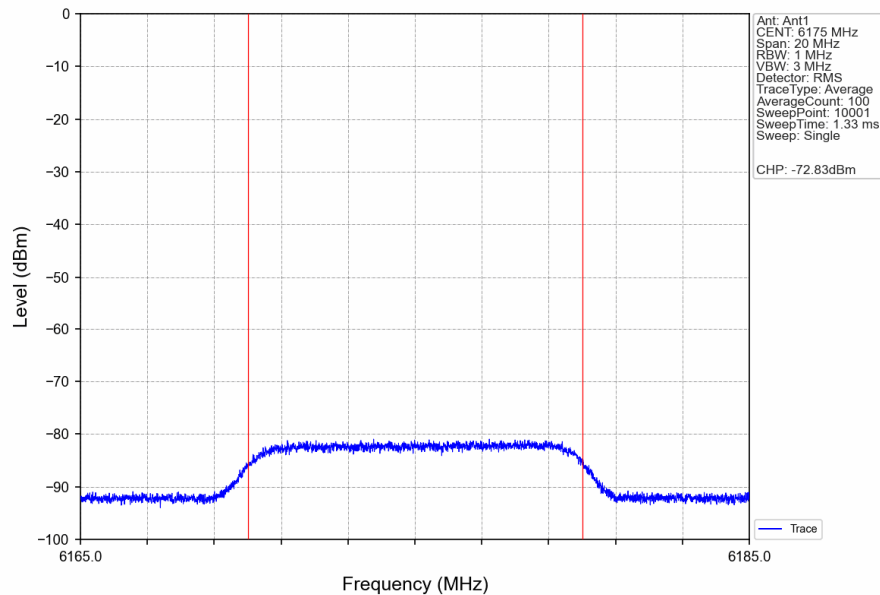


1.2.2 Contention Based Protocol_Detection Power_Band 5_Ant1

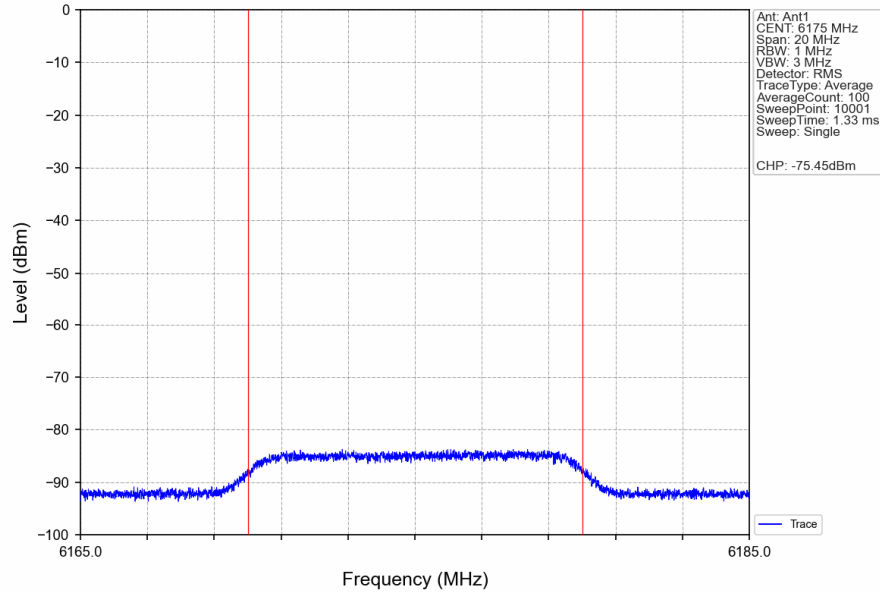
802.11be(EHT20)_MCH_6175MHz_Inject signal_6175MHz_Detection status_OFF



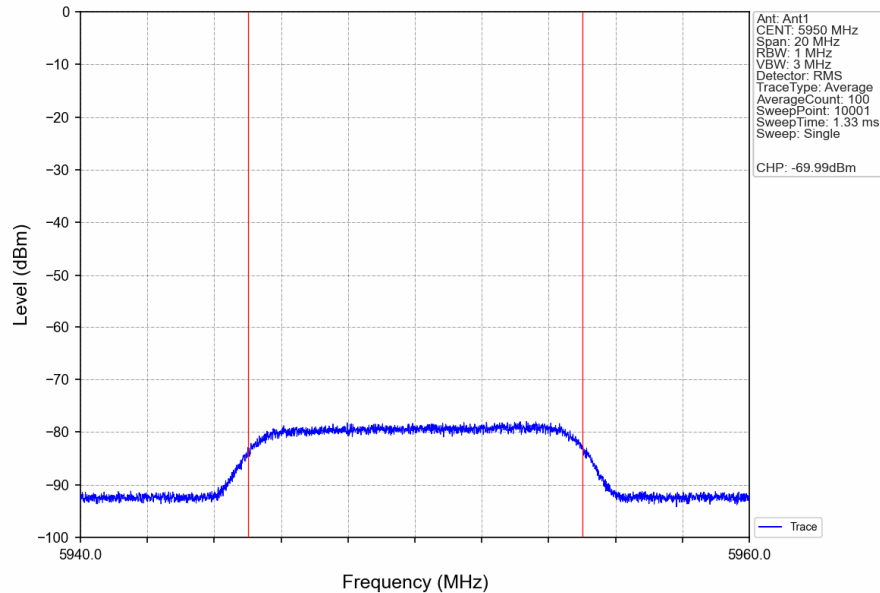
802.11be(EHT20)_MCH_6175MHz_Inject signal_6175MHz_Detection status_Minimal



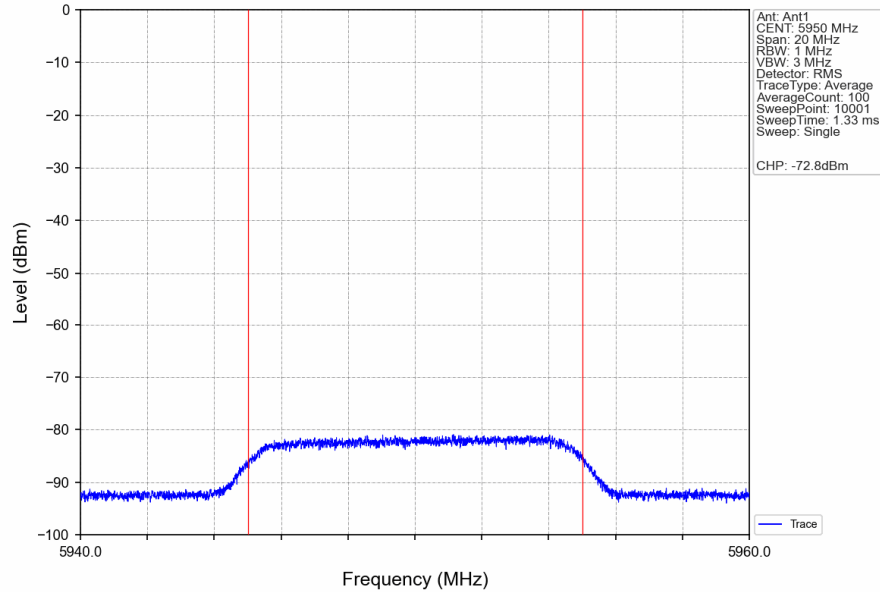
802.11be(EHT20)_MCH_6175MHz_Inject signal_6175MHz_Detection status_ON



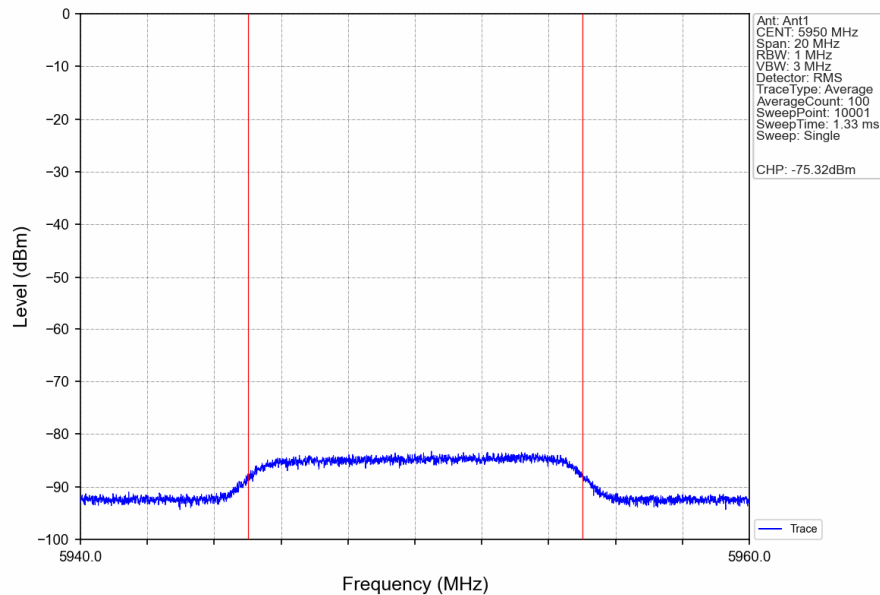
802.11be(EHT320)_LCH_6105MHz_Inject signal_5950MHz_Detection status_OFF



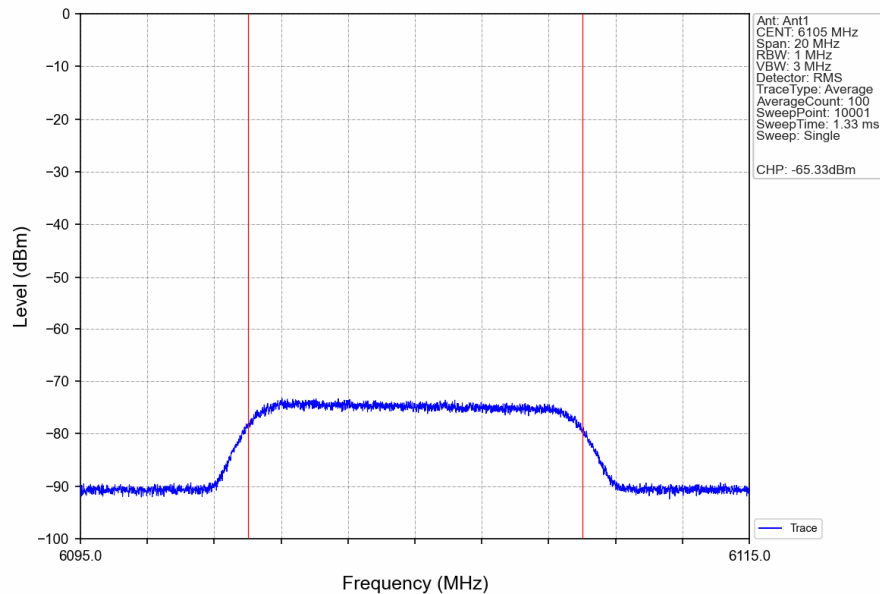
802.11be(EHT320)_LCH_6105MHz_Inject signal_5950MHz_Detection status_Minimal



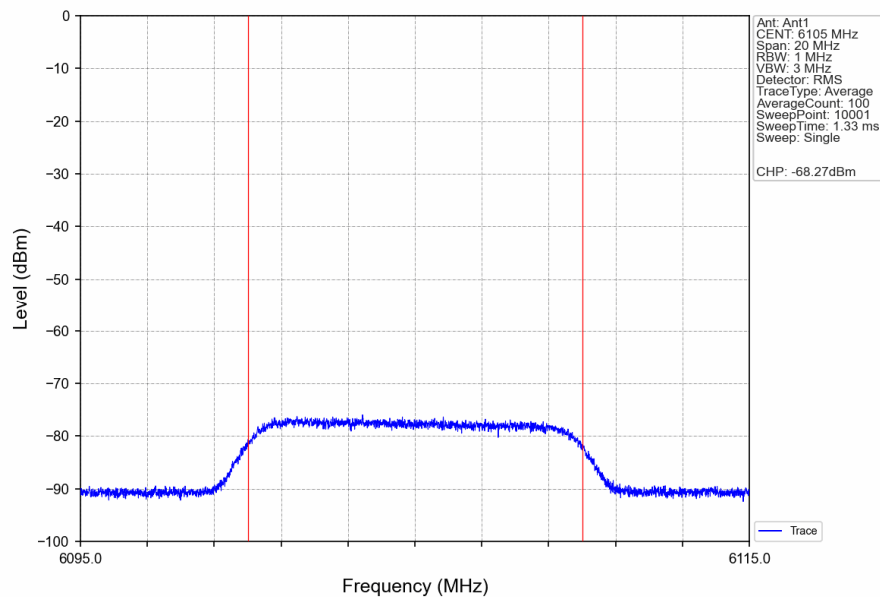
802.11be(EHT320)_LCH_6105MHz_Inject signal_5950MHz_Detection status_ON



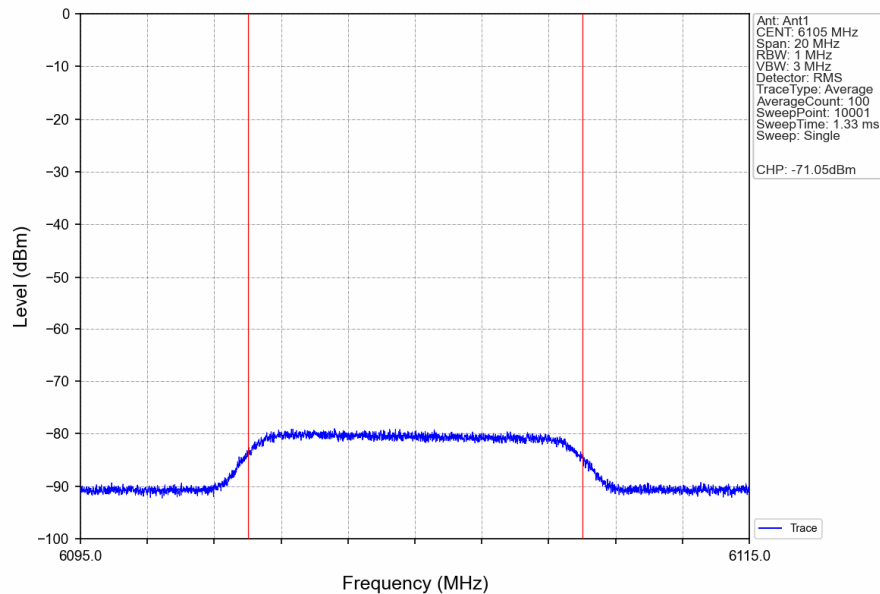
802.11be(EHT320)_LCH_6105MHz_Inject signal_6105MHz_Detection status_OFF



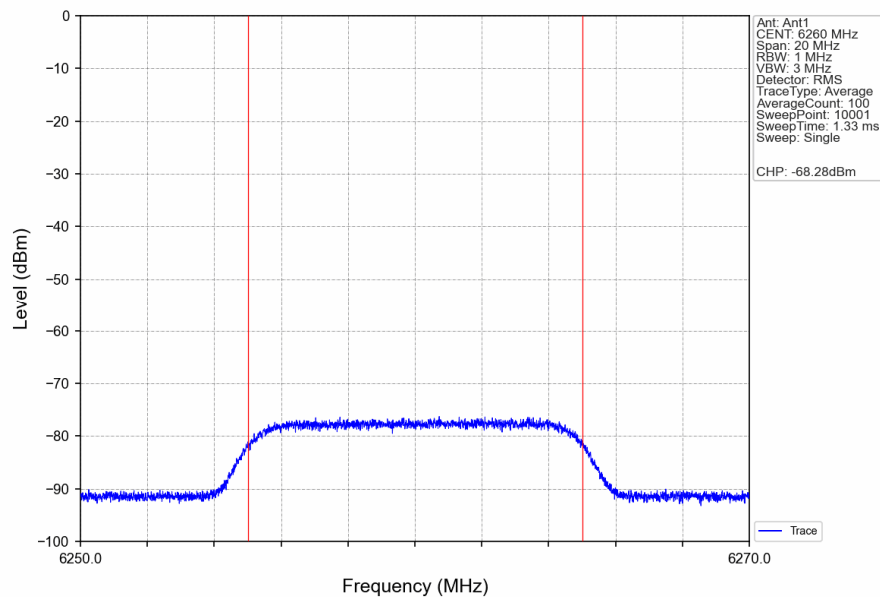
802.11be(EHT320)_LCH_6105MHz_Inject signal_6105MHz_Detection status_Minimal



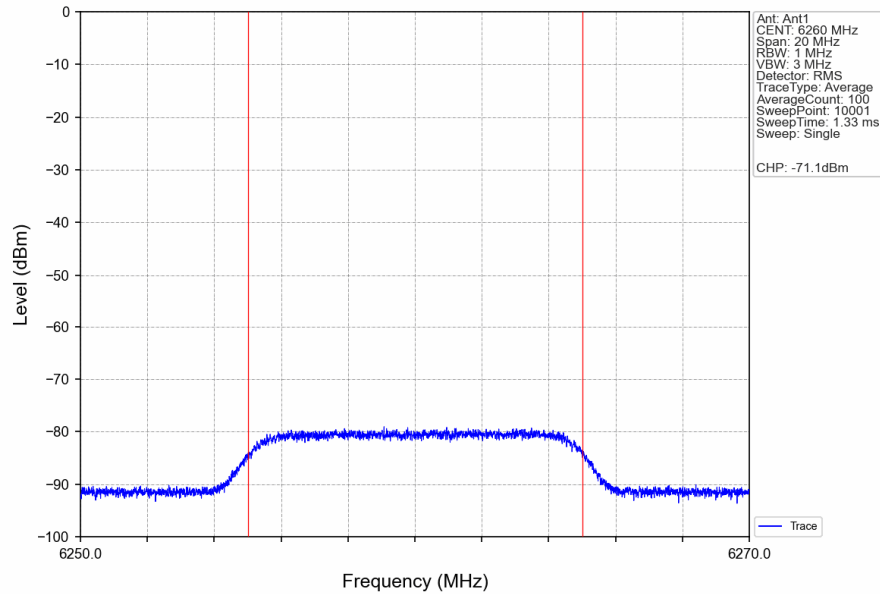
802.11be(EHT320)_LCH_6105MHz_Inject signal_6105MHz_Detection status_ON



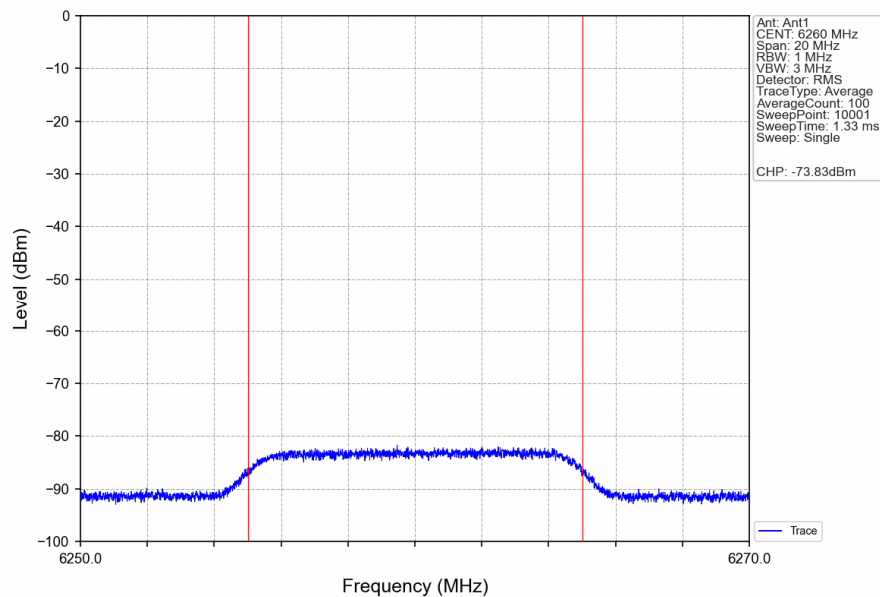
802.11be(EHT320)_LCH_6105MHz_Inject signal_6260MHz_Detection status_OFF



802.11be(EHT320)_LCH_6105MHz_Inject signal_6260MHz_Detection status_Minimal

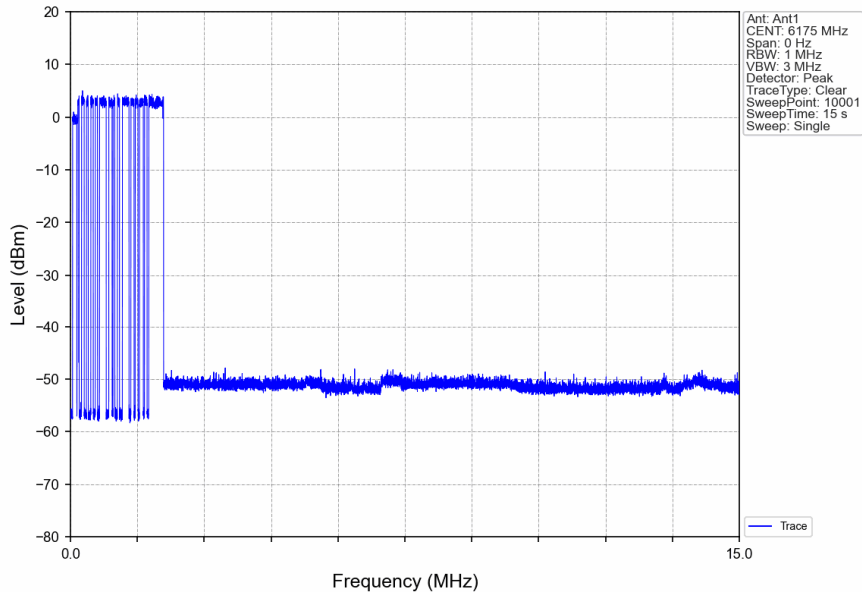


802.11be(EHT320)_LCH_6105MHz_Inject signal_6260MHz_Detection status_ON

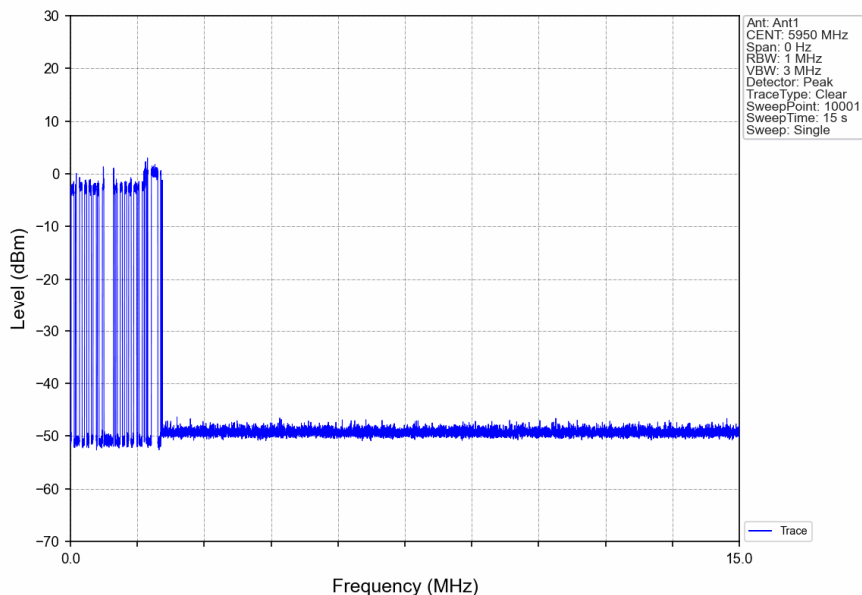


1.2.3 Contention Based Protocol_Detection Probability_Band 5_Ant1

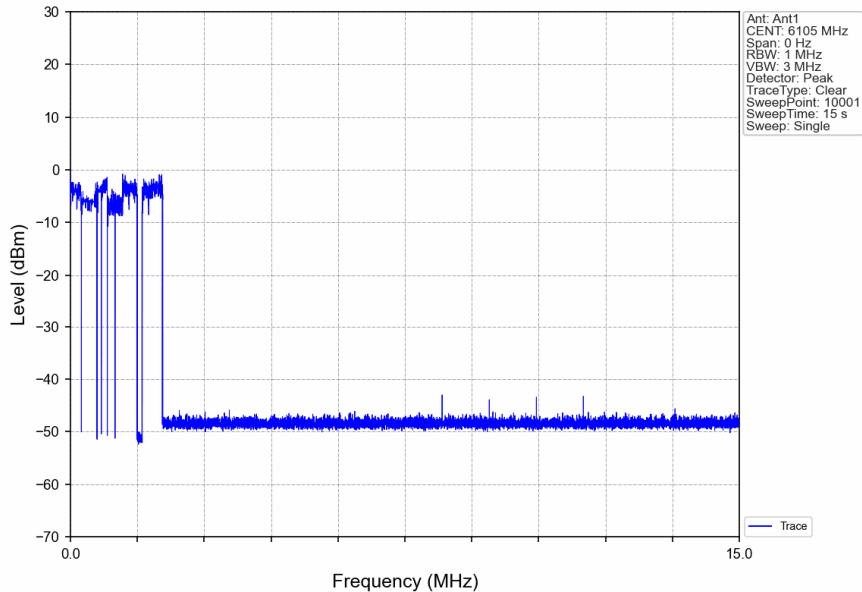
802.11be(EHT20)_MCH_6175MHz_Inject signal_6175MHz_OFF



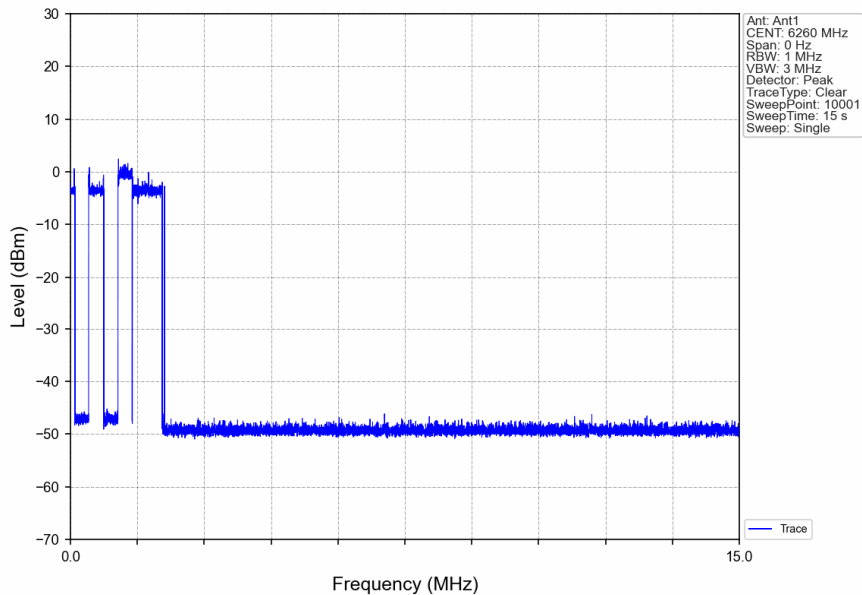
802.11be(EHT320)_LCH_6105MHz_Inject signal_5950MHz_OFF



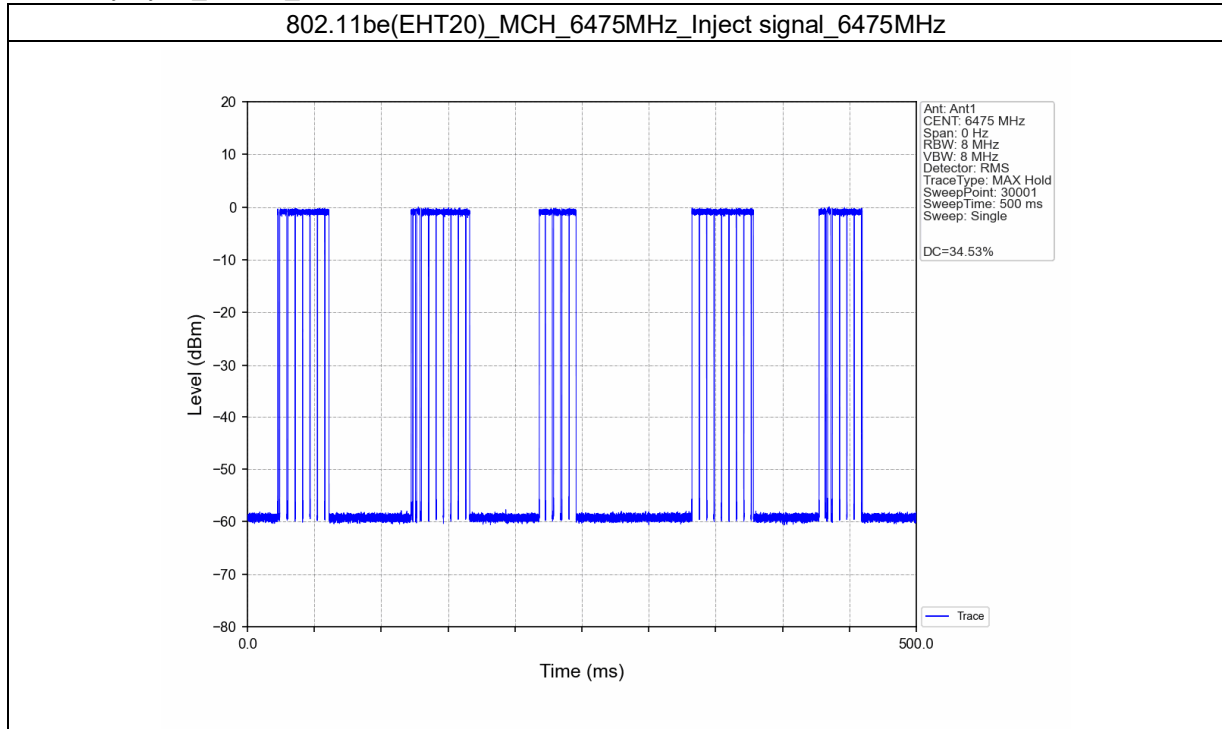
802.11be(EHT320)_LCH_6105MHz_Inject signal_6105MHz_OFF



802.11be(EHT320)_LCH_6105MHz_Inject signal_6260MHz_OFF

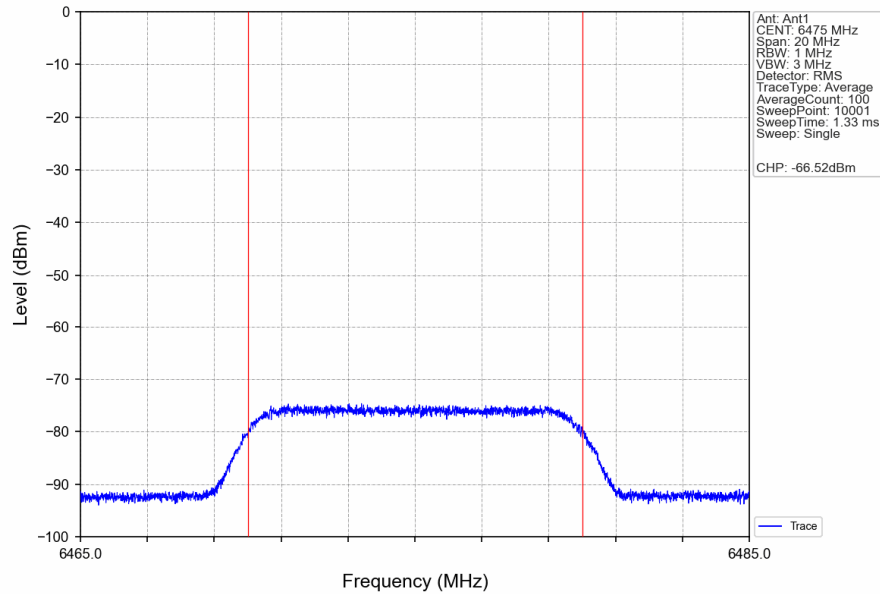


1.2.4 Duty Cycle_Band 6_Ant1

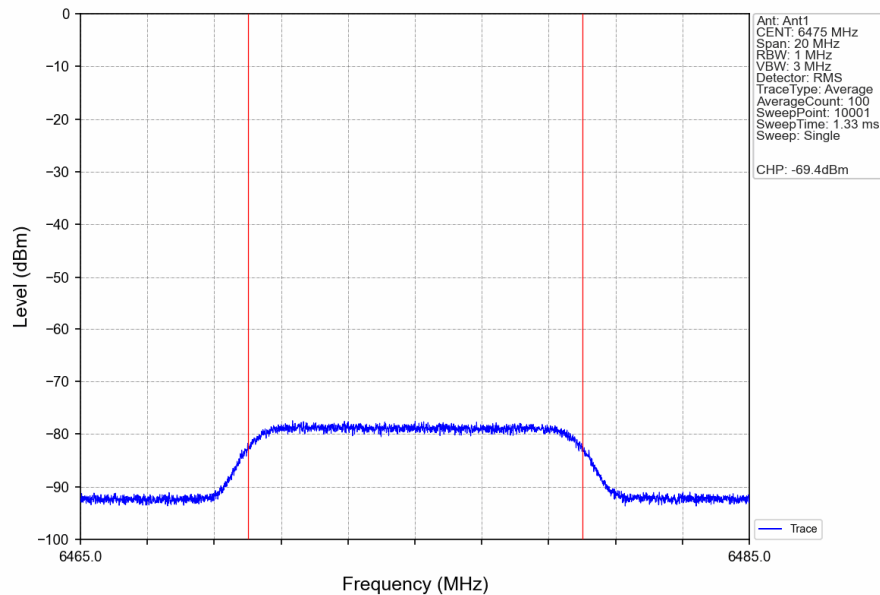


1.2.5 Contention Based Protocol_Detection Power_Band 6_Ant1

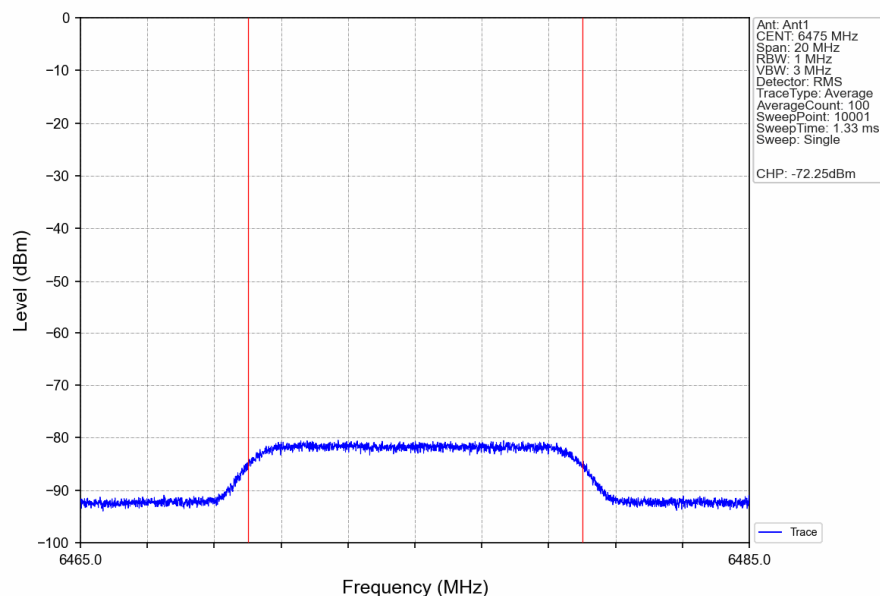
802.11be(EHT20)_MCH_6475MHz_Inject signal_6475MHz_Detection status_OFF



802.11be(EHT20)_MCH_6475MHz_Inject signal_6475MHz_Detection status_Minimal

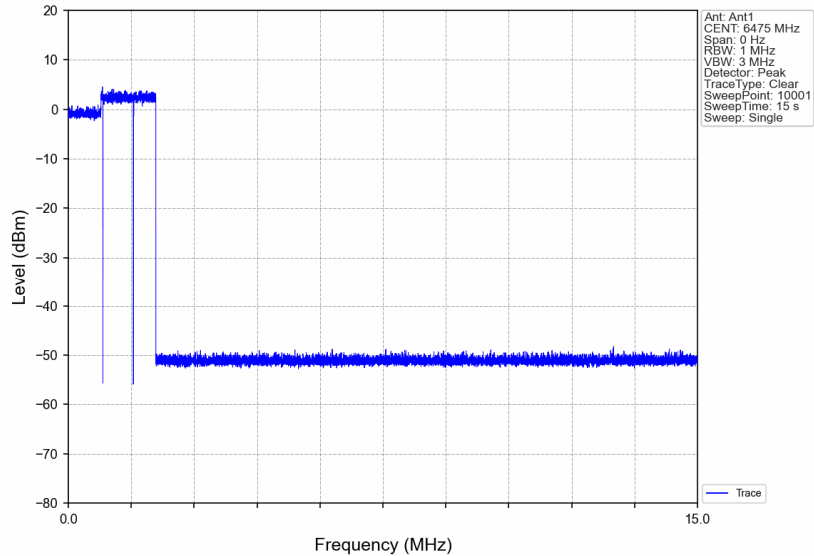


802.11be(EHT20)_MCH_6475MHz_Inject signal_6475MHz_Detection status_ON



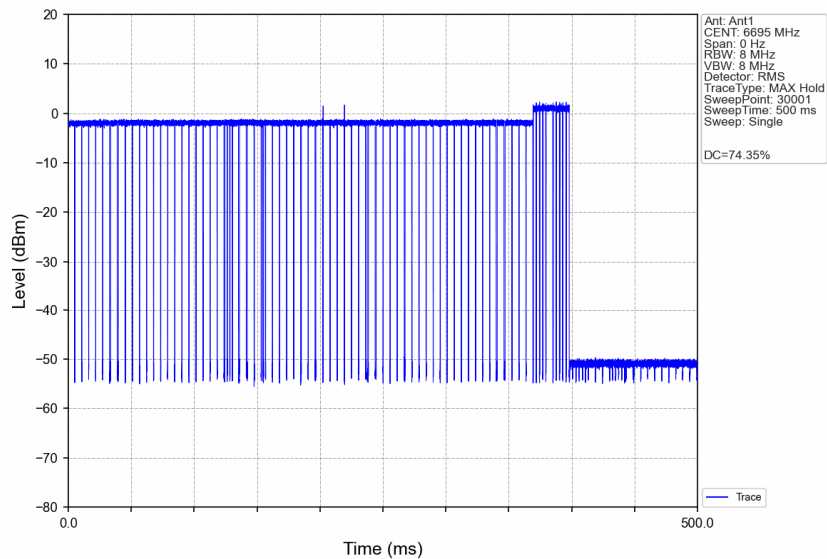
1.2.6 Contention Based Protocol_Detection Probability_Band 6_Ant1

802.11be(EHT20)_MCH_6475MHz_Inject signal_6475MHz_OFF - Inject Incumbent signal at 10th seconds and keep the signal continuously injected



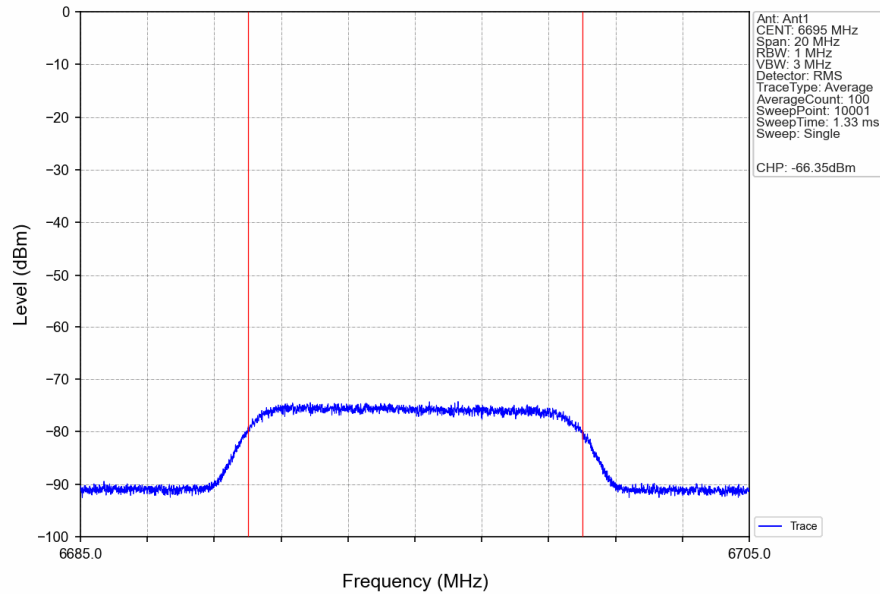
1.2.7 Duty Cycle_Band 7_Ant1

802.11be(EHT20)_MCH_6695MHz_Inject signal_6695MHz

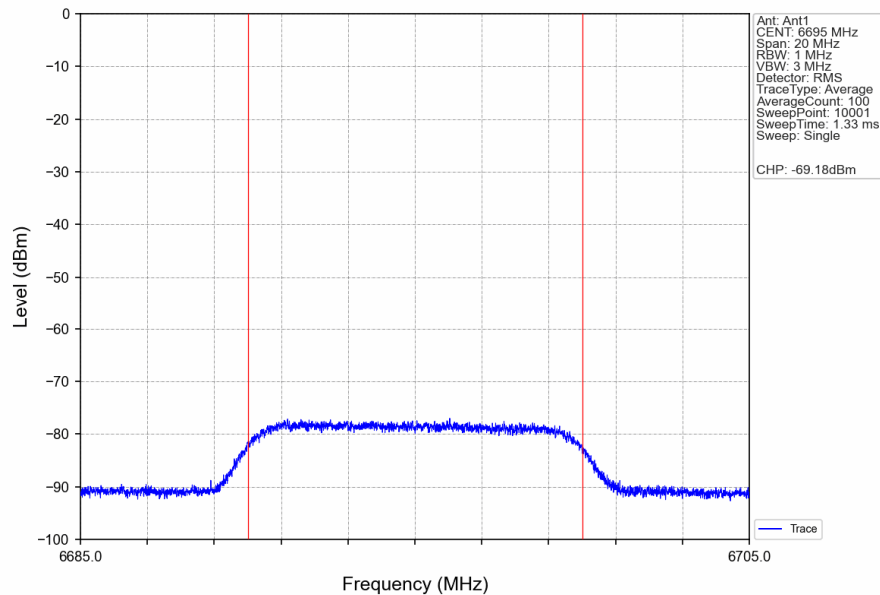


1.2.8 Contention Based Protocol_Detection Power_Band 7_Ant1

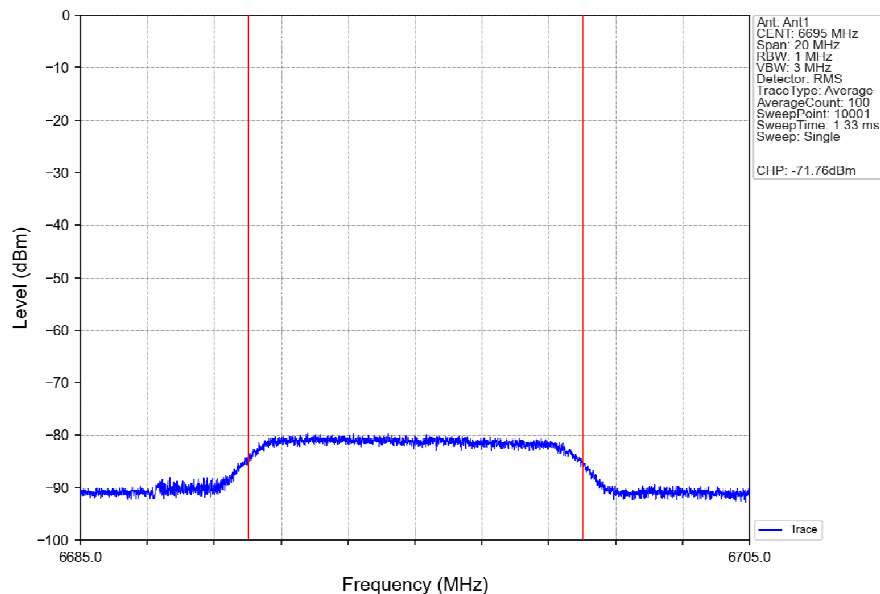
802.11be(EHT20)_MCH_6695MHz_Inject signal_6695MHz_Detection status_OFF



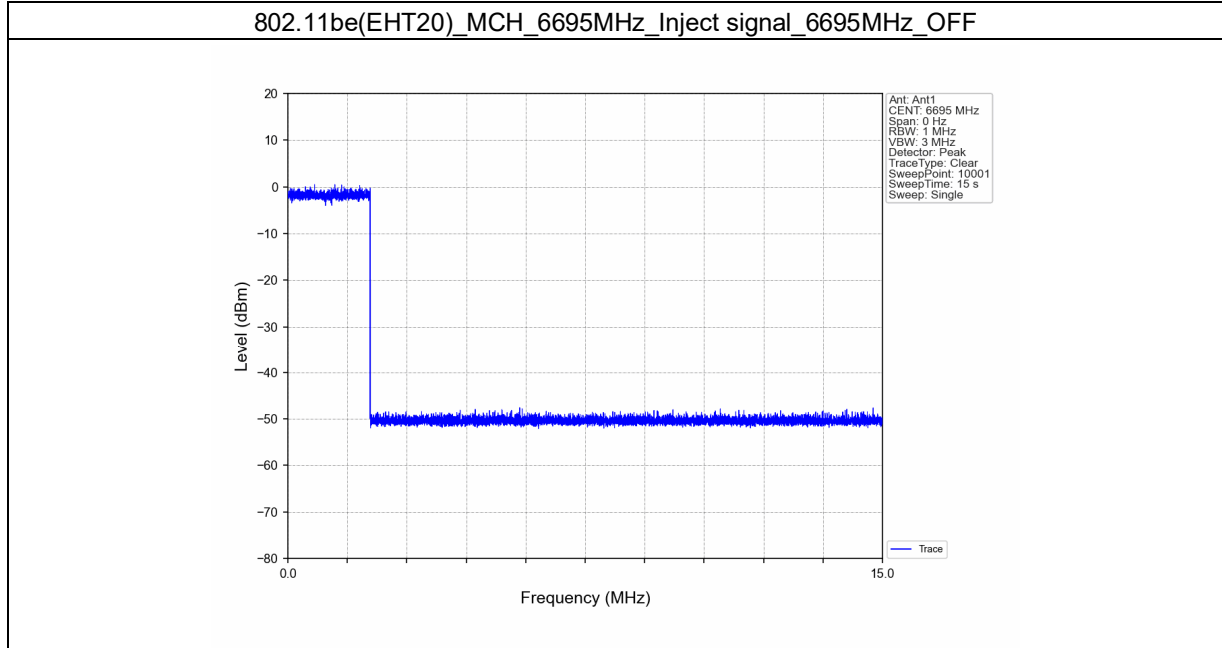
802.11be(EHT20)_MCH_6695MHz_Inject signal_6695MHz_Detection status_Minimal



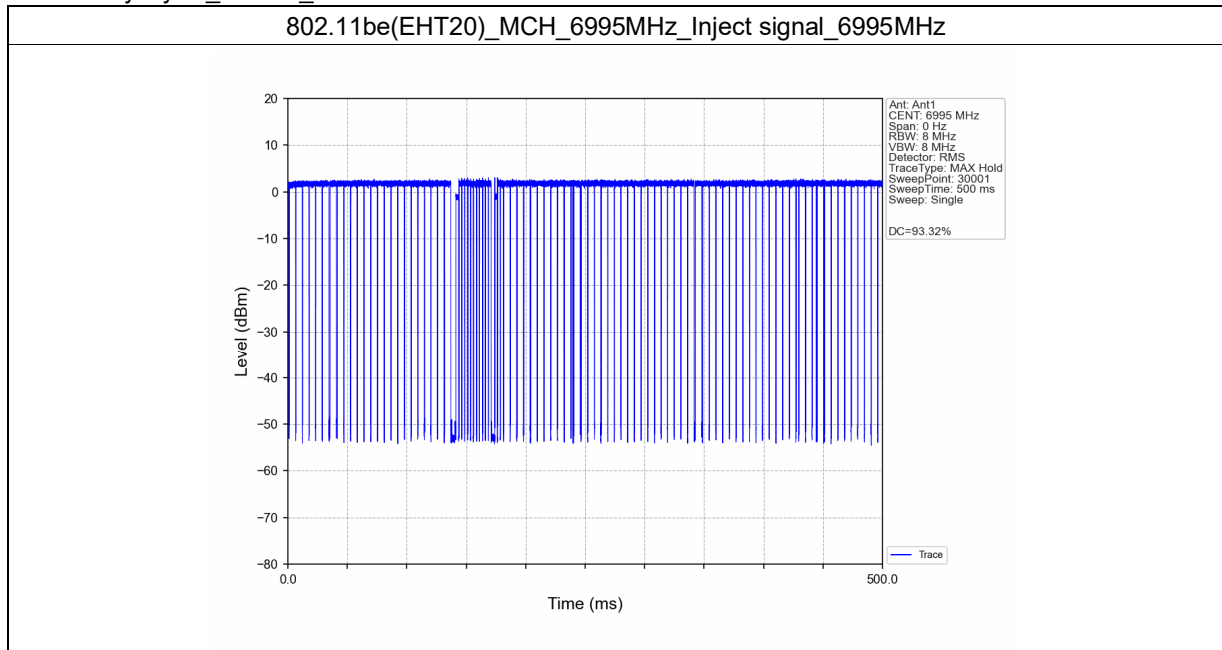
802.11be(EHT20)_MCH_6695MHz_Inject signal_6695MHz_Detection status_ON



1.2.9 Contention Based Protocol_Detection Probability_Band 7_Ant1

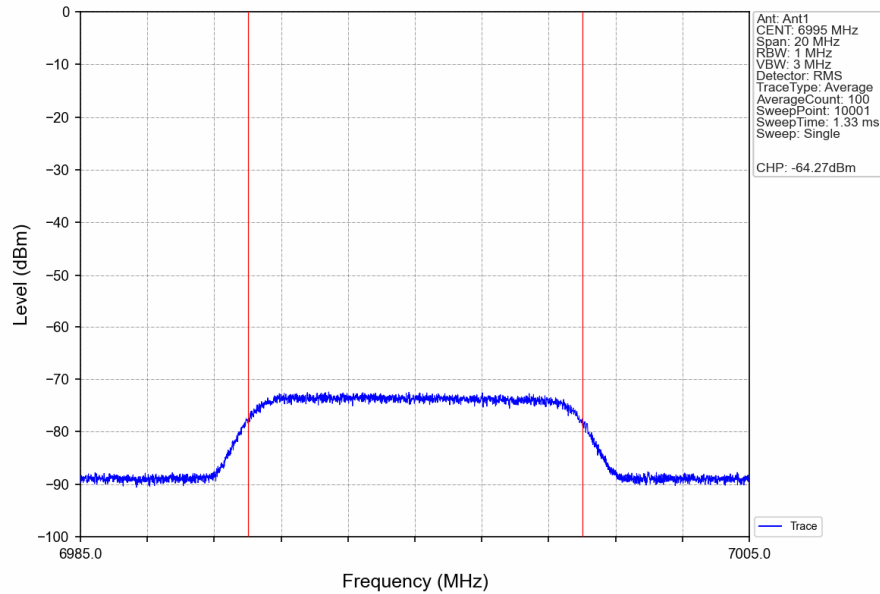


1.2.10 Duty Cycle_Band 8_Ant1

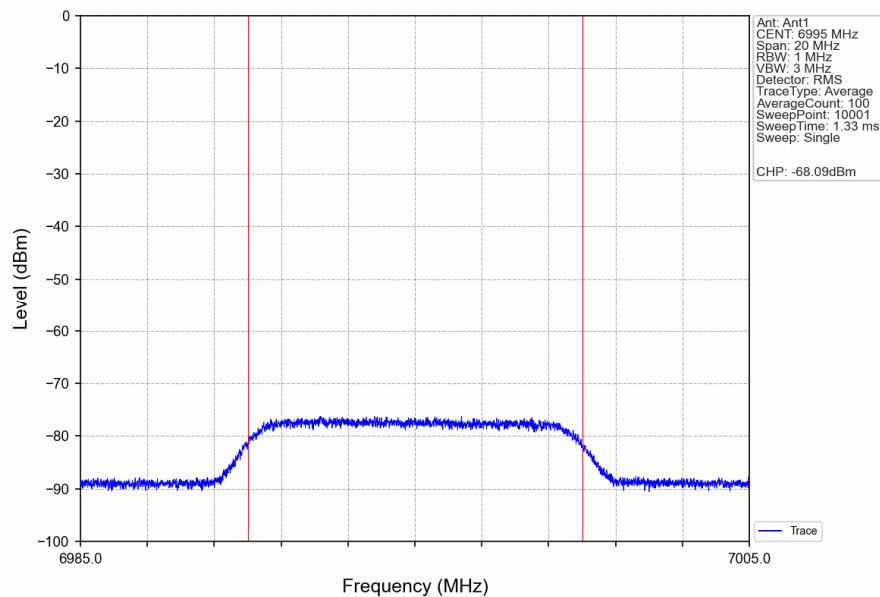


1.2.11 Contention Based Protocol_Detection Power_Band 8_Ant1

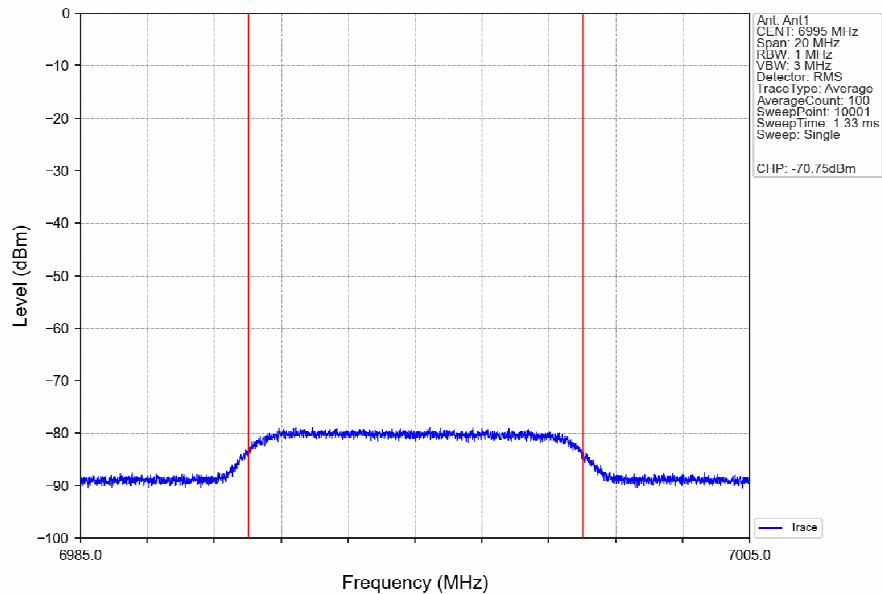
802.11be(EHT20)_MCH_6995MHz_Inject signal_6995MHz_Detection status_OFF



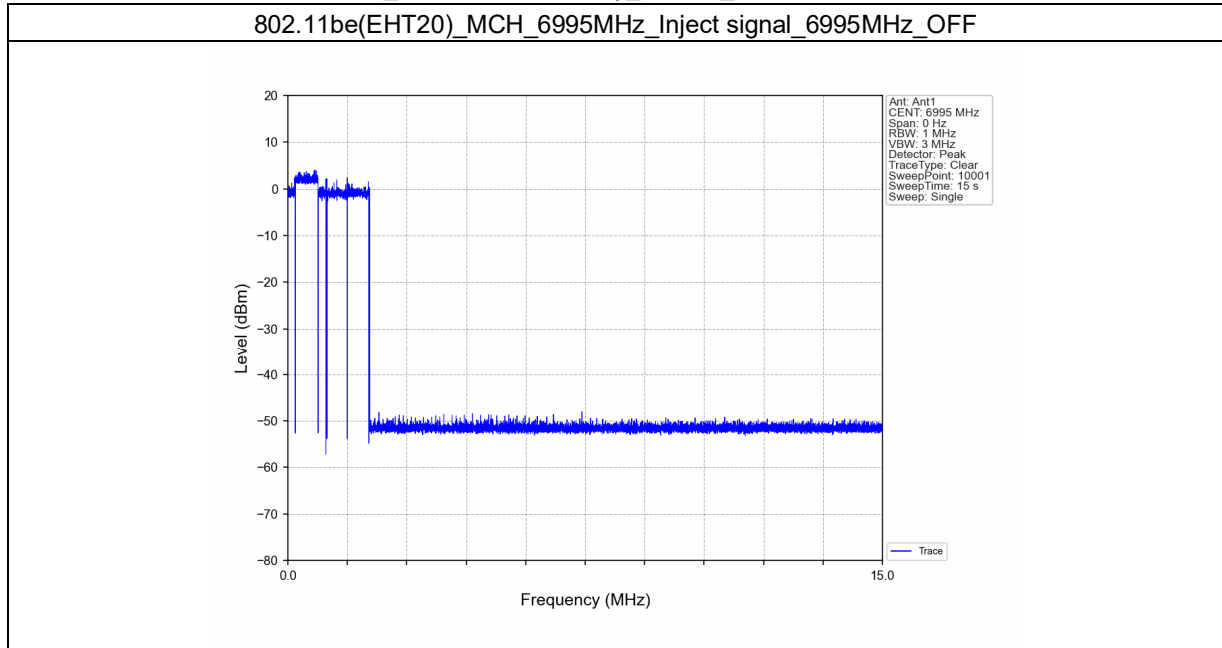
802.11be(EHT20)_MCH_6995MHz_Inject signal_6995MHz_Detection status_Minimal



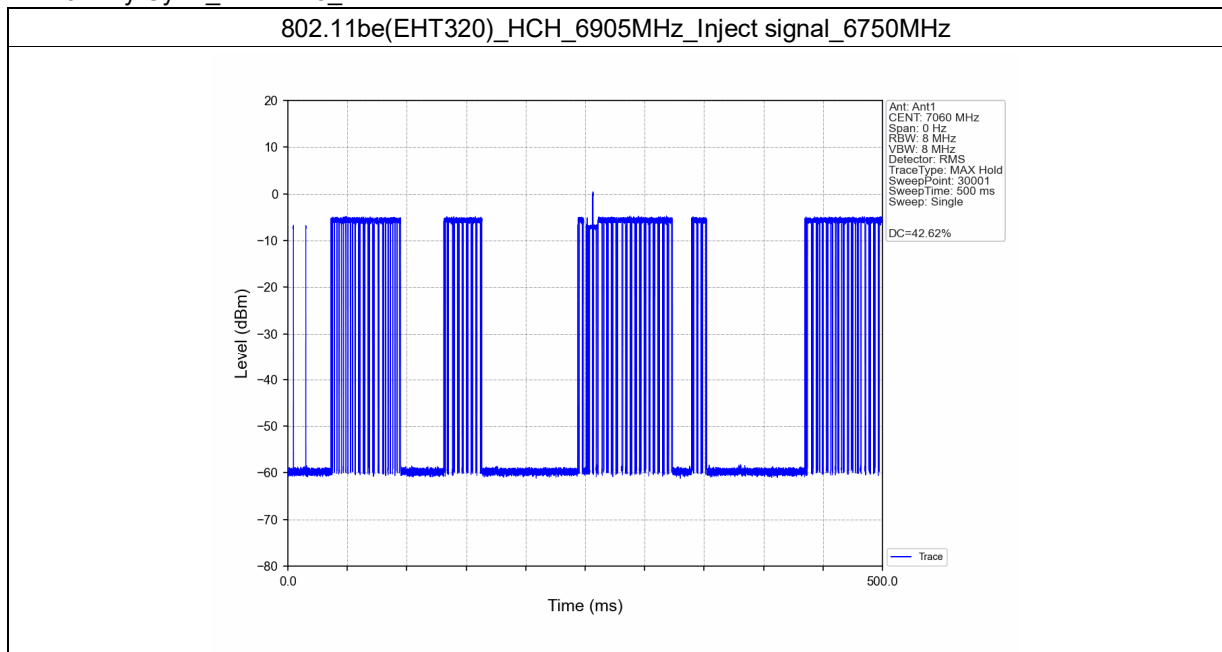
802.11be(EHT20)_MCH_6995MHz_Inject signal_6995MHz_Detection status_ON



1.2.12 Contention Based Protocol_Detection Probability_Band 8_Ant1

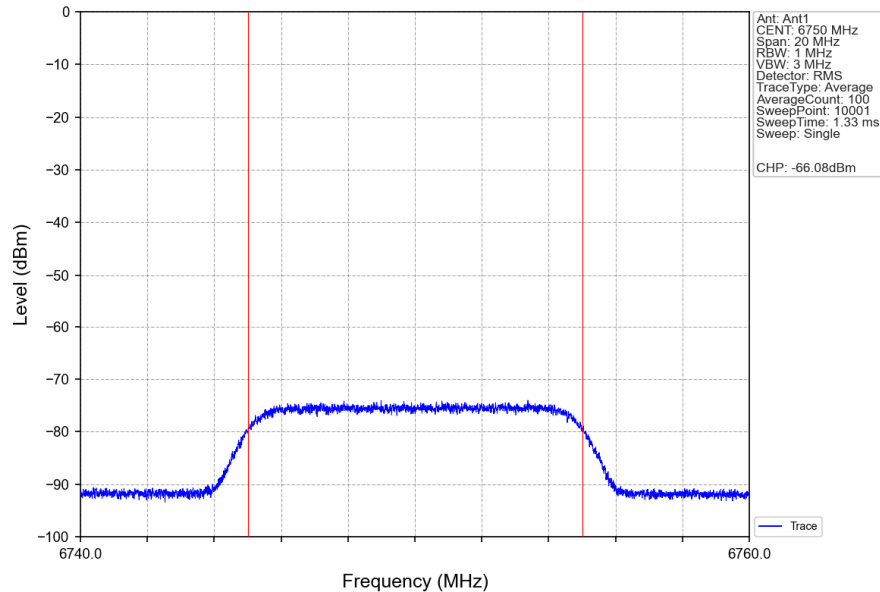


1.2.13 Duty Cycle_Band 7+8_Ant1

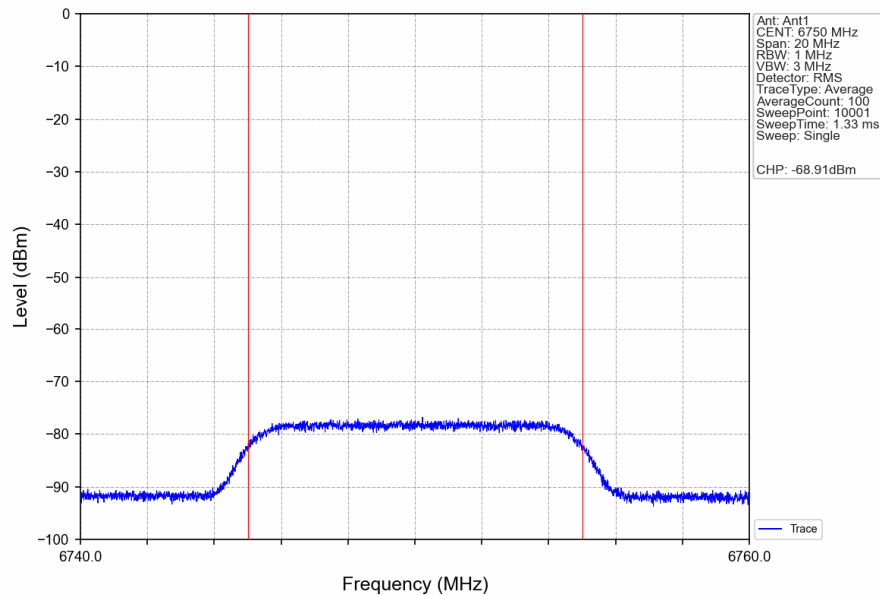


1.2.14 Contention Based Protocol_Detection Power_Band 7+8_Ant1

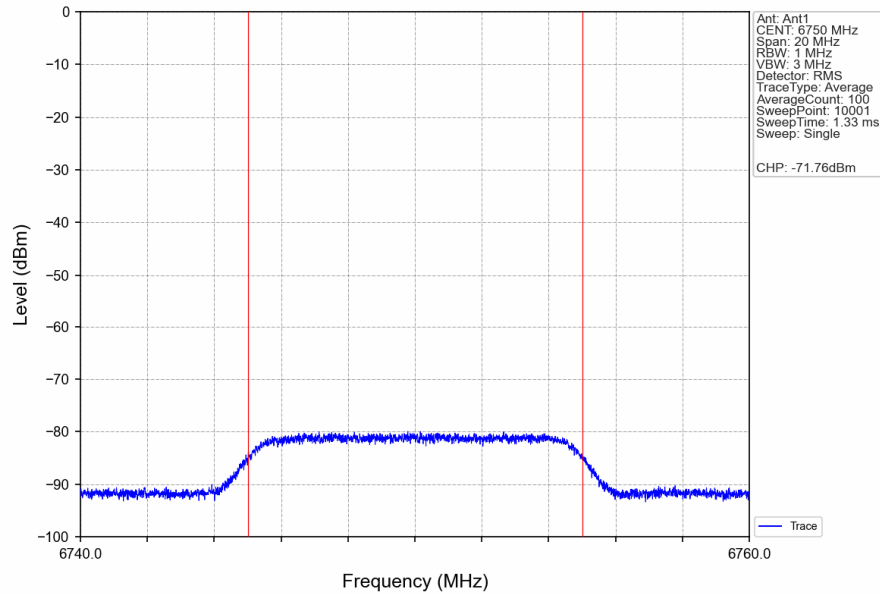
802.11be(EHT320)_HCH_6905MHz_Inject signal_6750MHz_Detection status_OFF



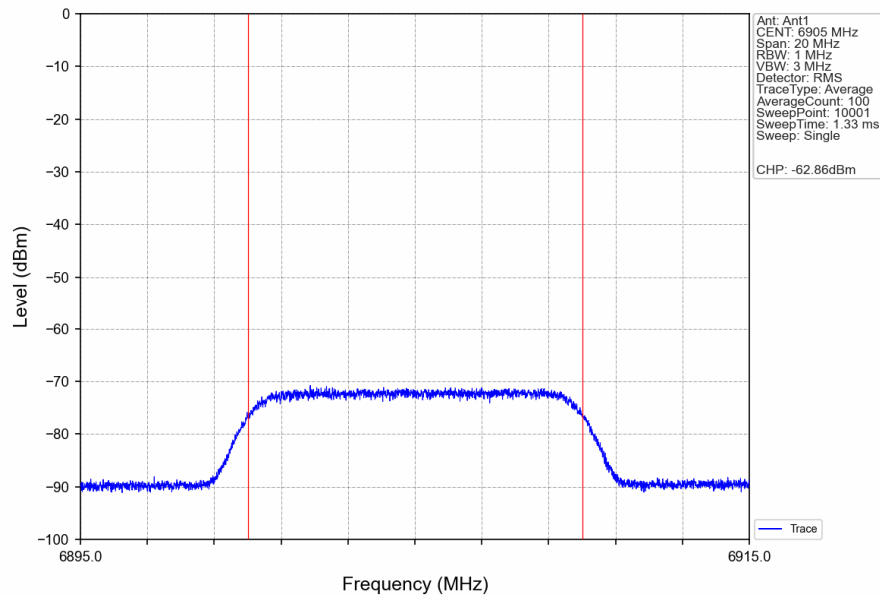
802.11be(EHT320)_HCH_6905MHz_Inject signal_6750MHz_Detection status_Minimal



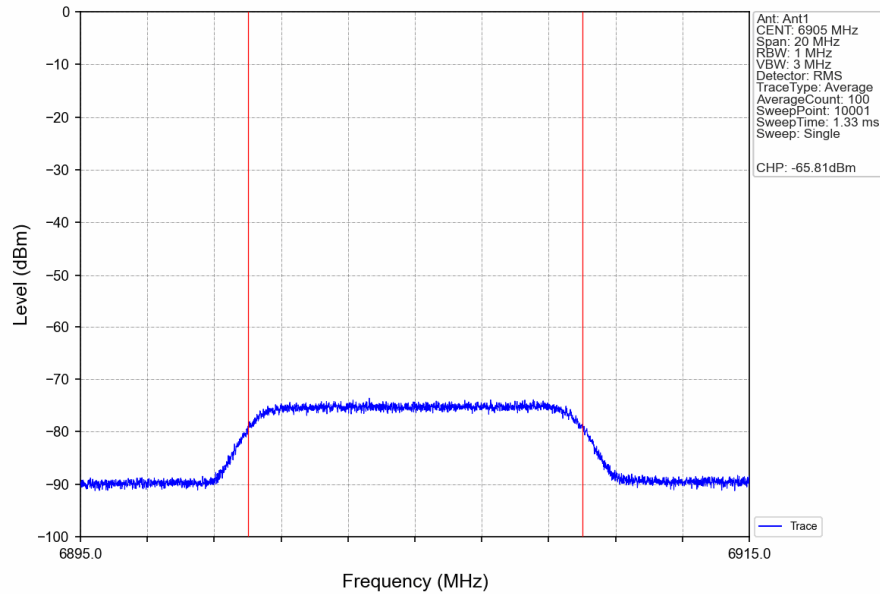
802.11be(EHT320)_HCH_6905MHz_Inject signal_6750MHz_Detection status_ON



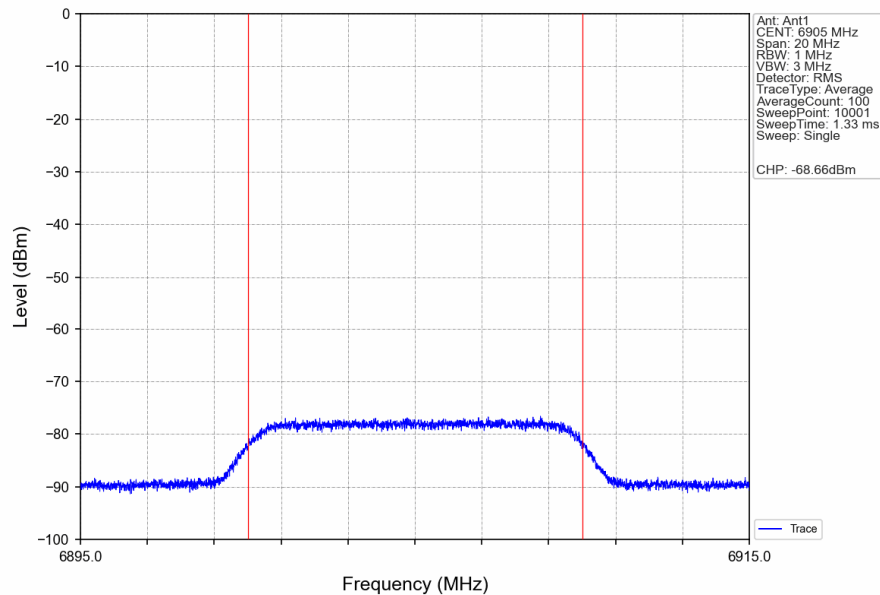
802.11be(EHT320)_HCH_6905MHz_Inject signal_6905MHz_Detection status_OFF



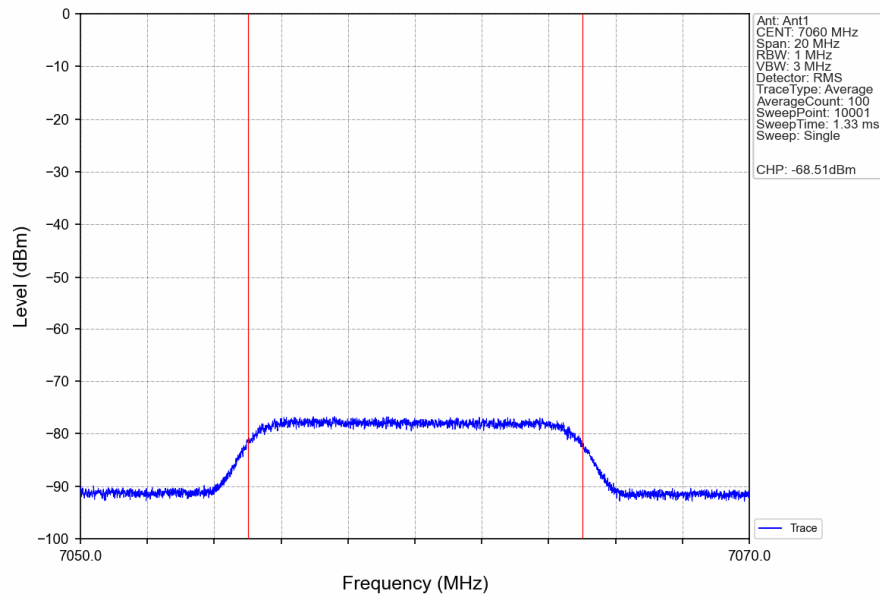
802.11be(EHT320)_HCH_6905MHz_Inject signal_6905MHz_Detection status_Minimal



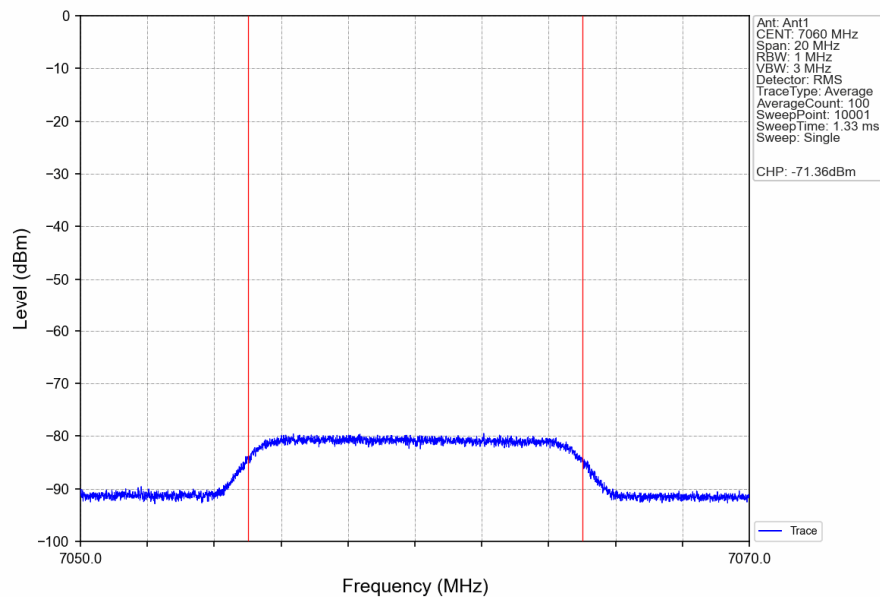
802.11be(EHT320)_HCH_6905MHz_Inject signal_6905MHz_Detection status_ON



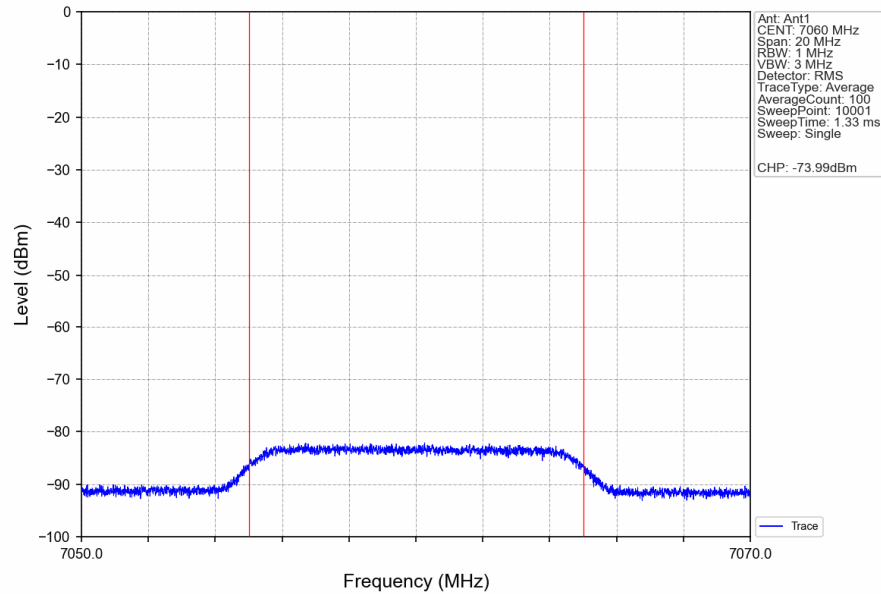
802.11be(EHT320)_HCH_6905MHz_Inject signal_7060MHz_Detection status_OFF



802.11be(EHT320)_HCH_6905MHz_Inject signal_7060MHz_Detection status_Minimal

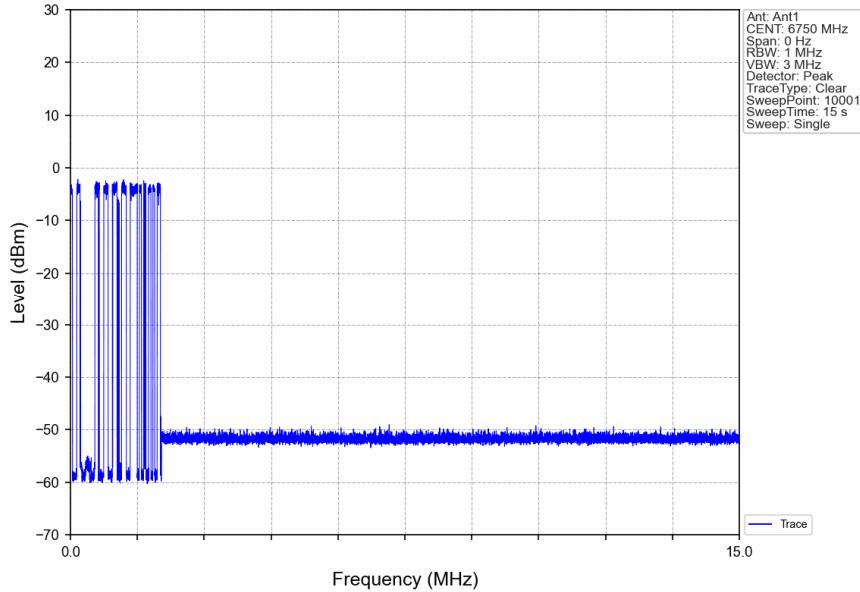


802.11be(EHT320)_HCH_6905MHz_Inject signal_7060MHz_Detection status_ON

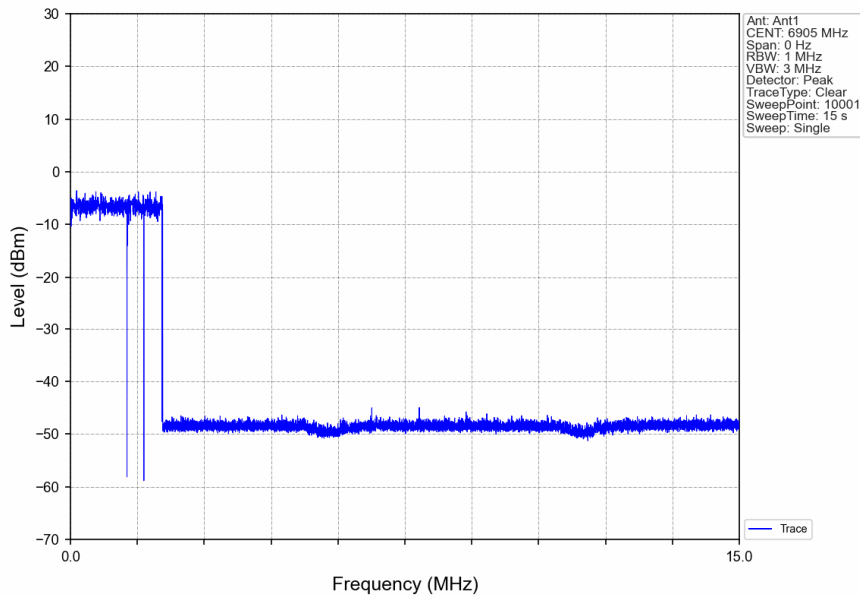


1.2.15 Contention Based Protocol_Detection Probability_Band 7+8_Ant1

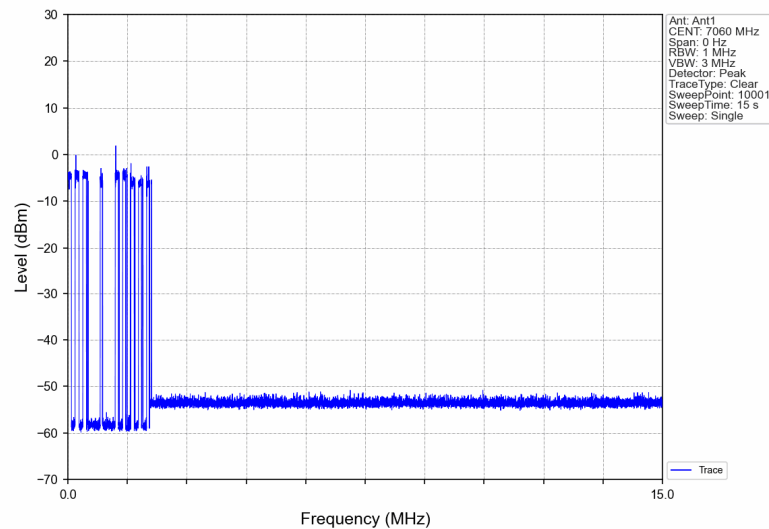
802.11be(EHT320)_HCH_6905MHz_Inject signal_6750MHz_OFF



802.11be(EHT320)_HCH_6905MHz_Inject signal_6905MHz_OFF

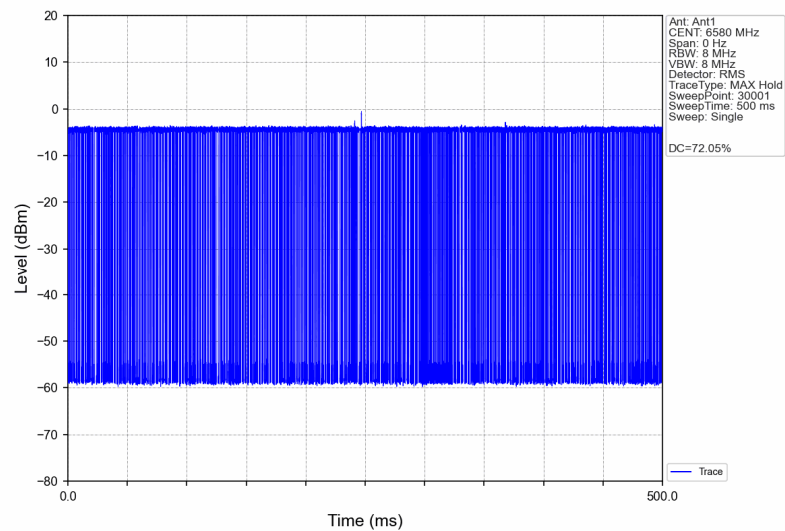


802.11be(EHT320)_HCH_6905MHz_Inject signal_7060MHz_OFF



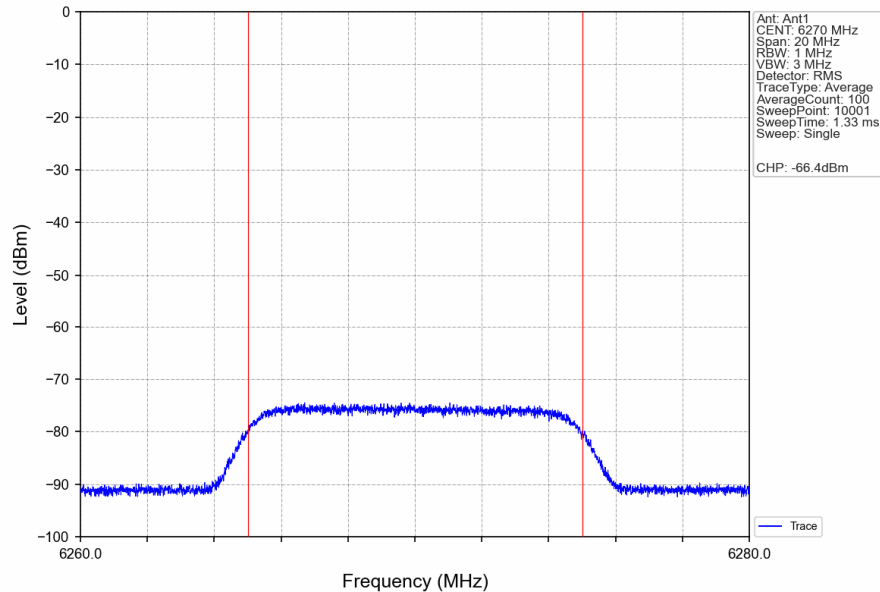
1.2.16 Duty Cycle_Band 5+6+7_Ant1

802.11be(EHT320)_MCH_6425MHz_Inject signal_6270MHz

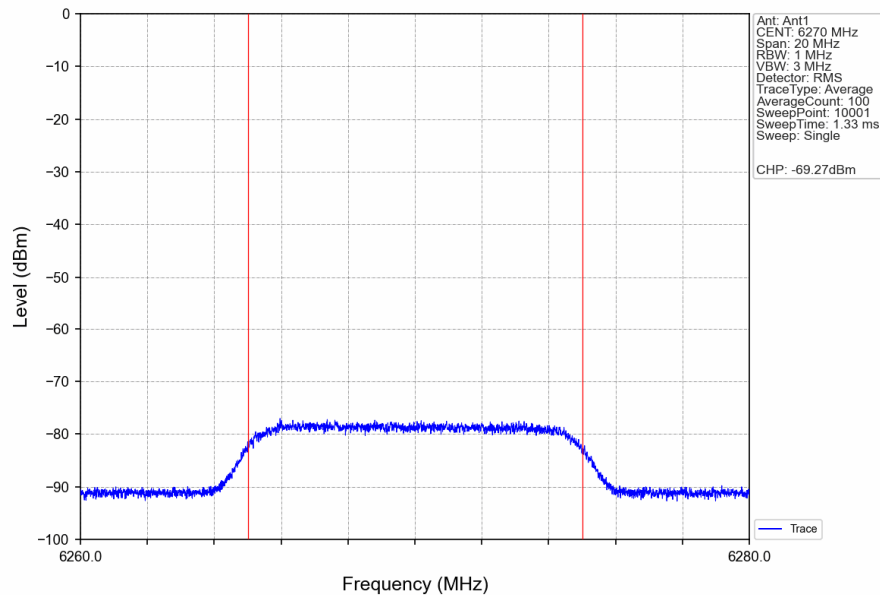


1.2.17 Contention Based Protocol_Detection Power_Band 5+6+7_Ant1

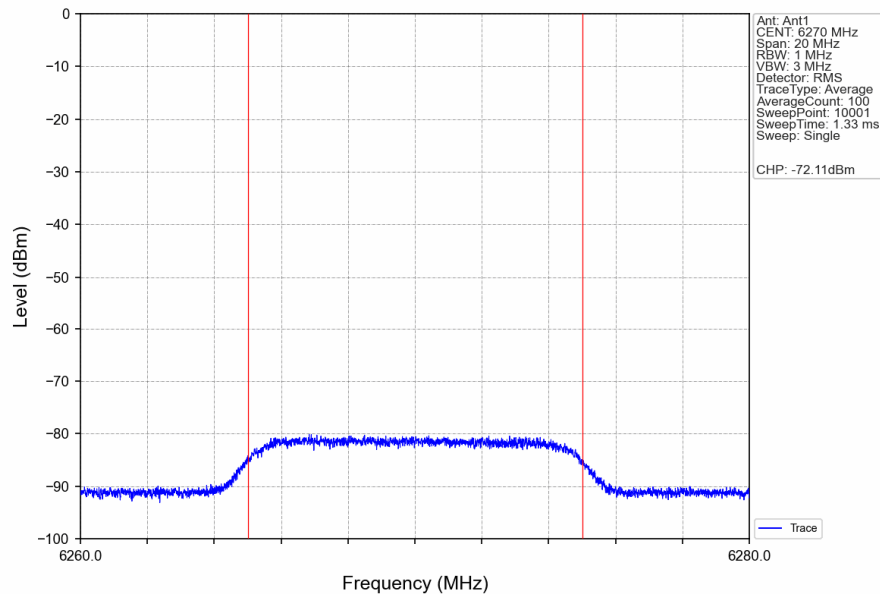
802.11be(EHT320)_MCH_6425MHz_Inject signal_6270MHz_Detection status_OFF



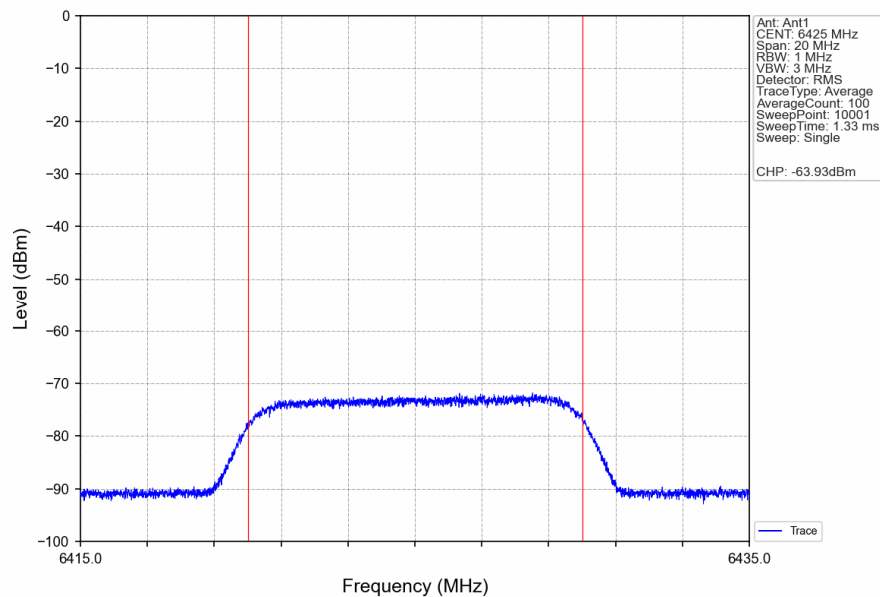
802.11be(EHT320)_MCH_6425MHz_Inject signal_6270MHz_Detection status_Minimal



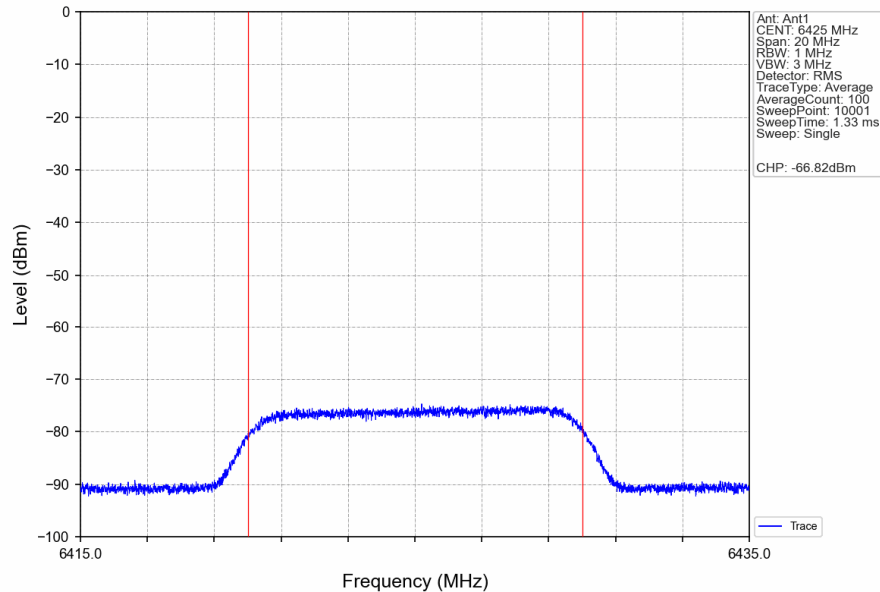
802.11be(EHT320)_MCH_6425MHz_Inject signal_6270MHz_Detection status_ON



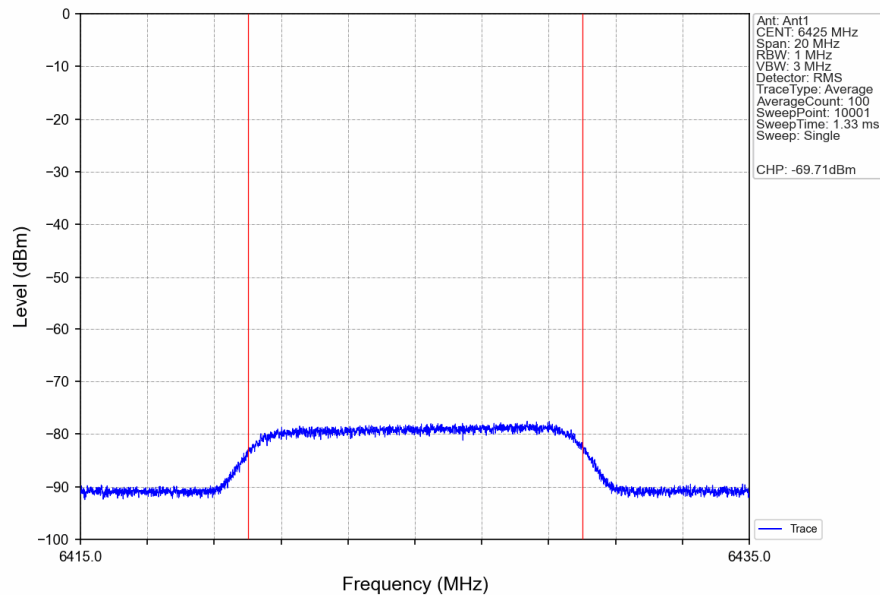
802.11be(EHT320)_MCH_6425MHz_Inject signal_6425MHz_Detection status_OFF



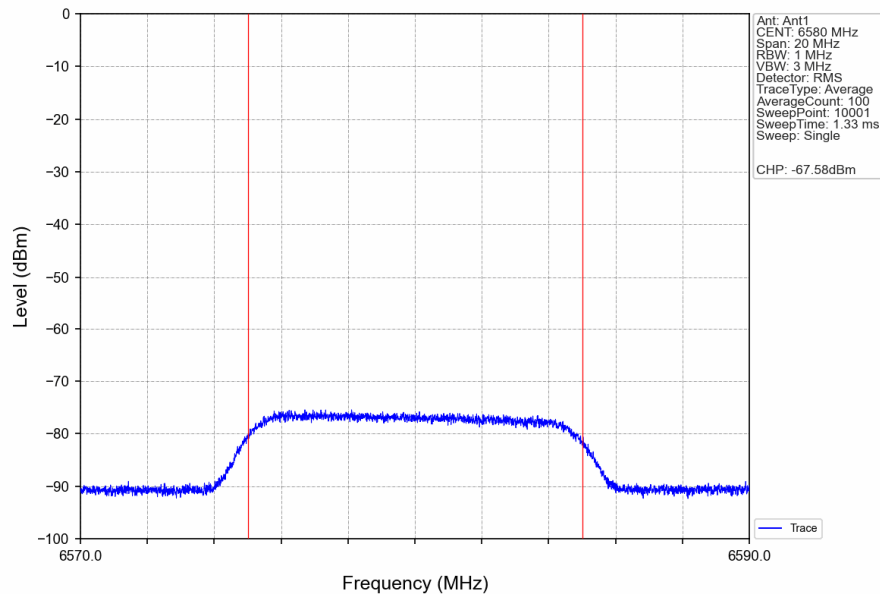
802.11be(EHT320)_MCH_6425MHz_Inject signal_6425MHz_Detection status_Minimal



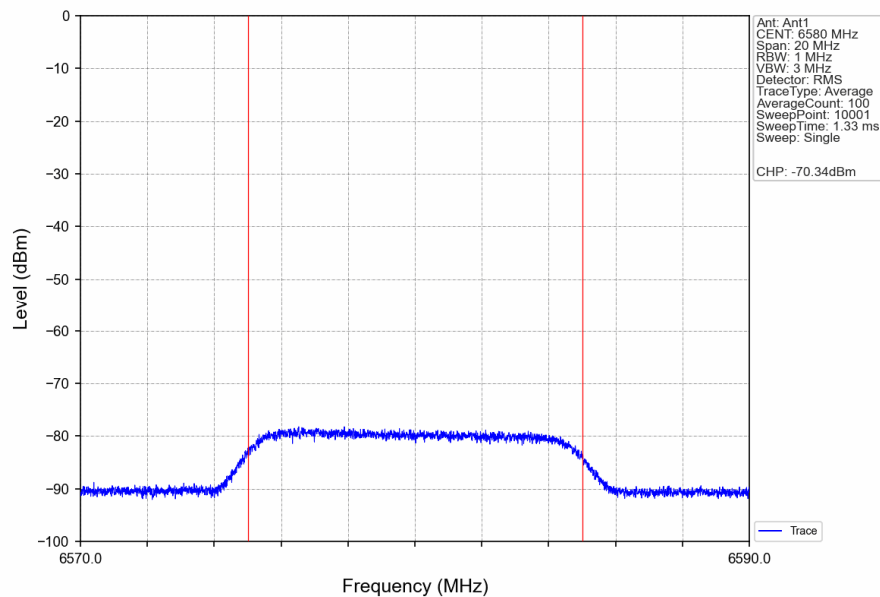
802.11be(EHT320)_MCH_6425MHz_Inject signal_6425MHz_Detection status_ON



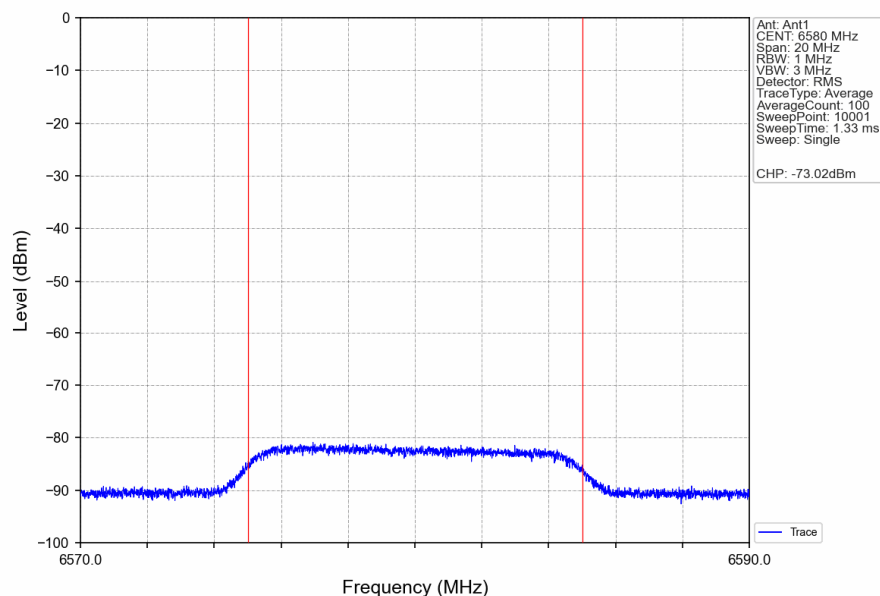
802.11be(EHT320)_MCH_6425MHz_Inject signal_6580MHz_Detection status_OFF



802.11be(EHT320)_MCH_6425MHz_Inject signal_6580MHz_Detection status_Minimal

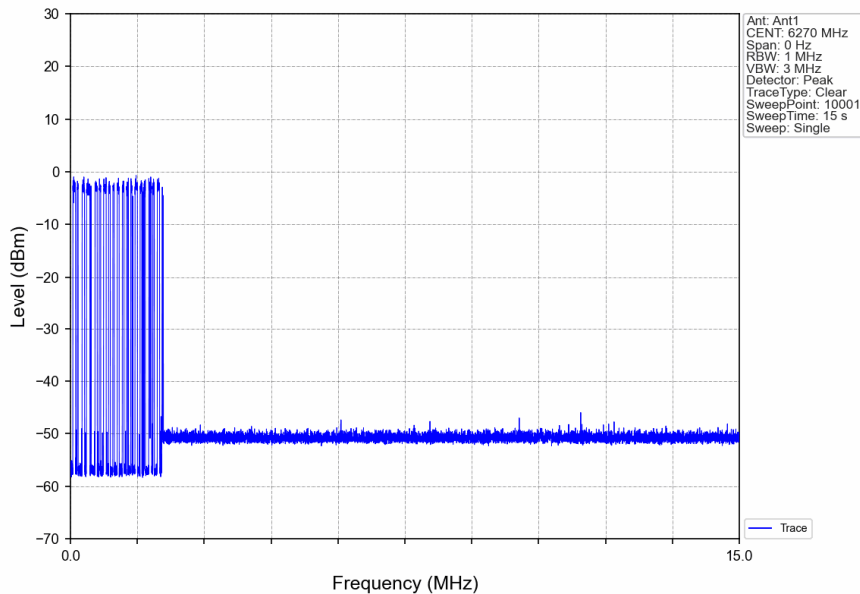


802.11be(EHT320)_MCH_6425MHz_Inject signal_6580MHz_Detection status_ON

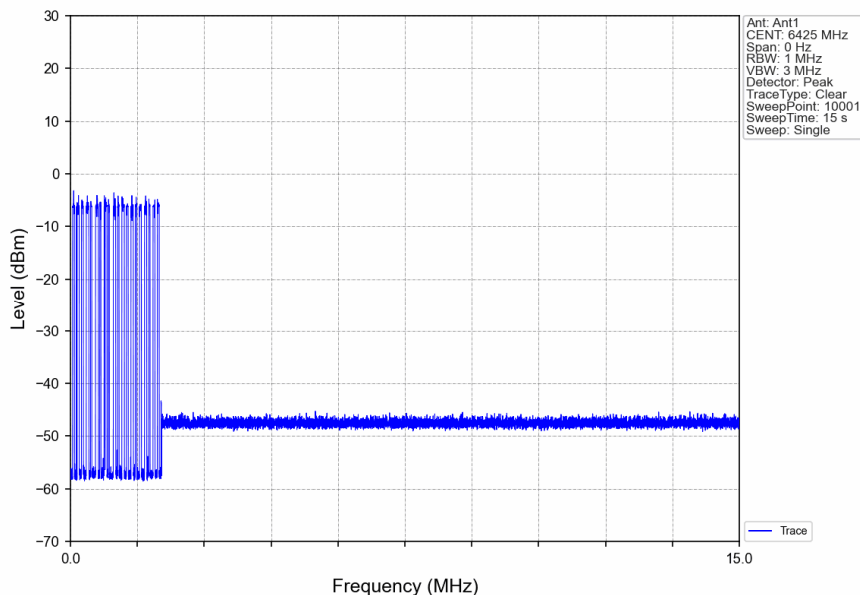


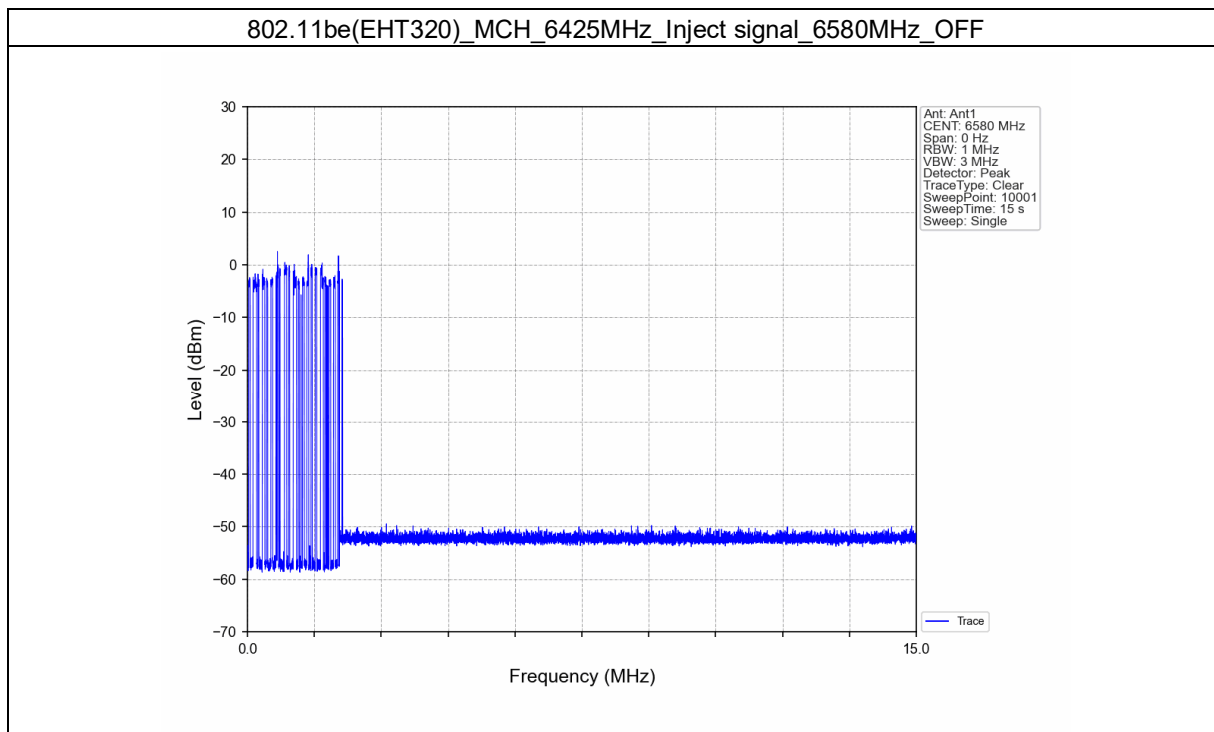
1.2.18 Contention Based Protocol_Detection Probability_Band 5+6+7_Ant1

802.11be(EHT320)_MCH_6425MHz_Inject signal_6270MHz_OFF

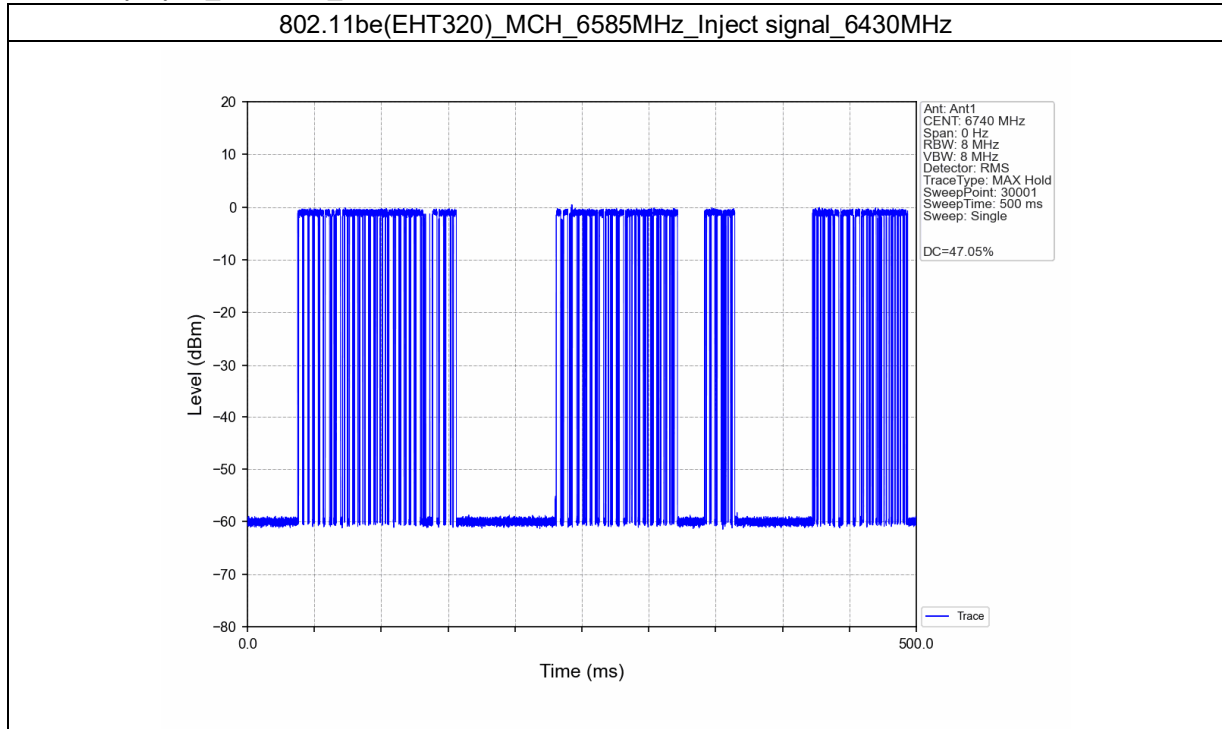


802.11be(EHT320)_MCH_6425MHz_Inject signal_6425MHz_OFF



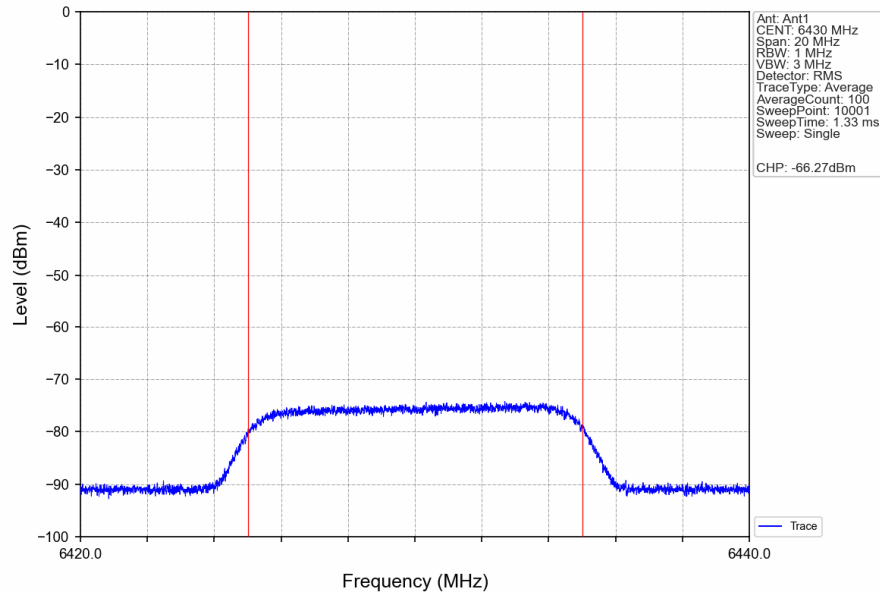


1.2.19 Duty Cycle_Band 6+7_Ant1

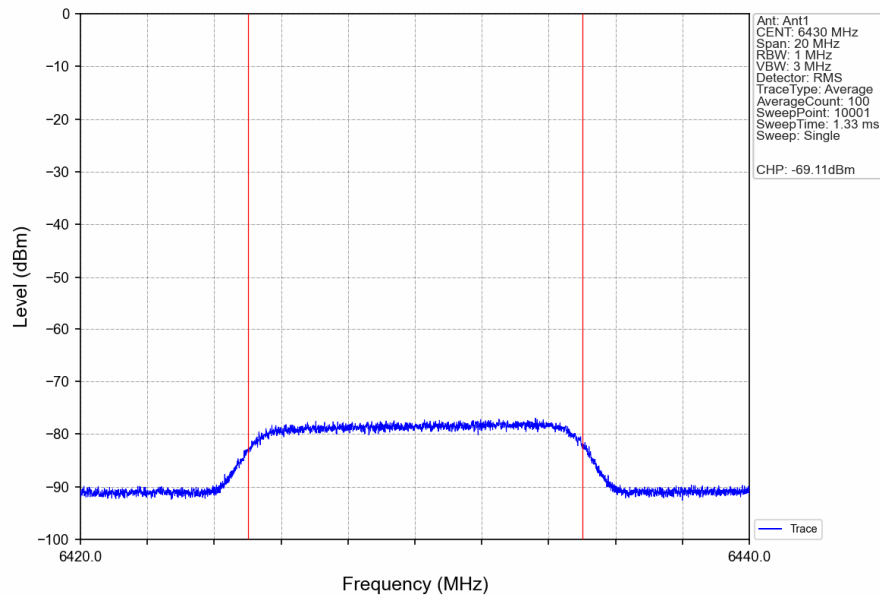


1.2.20 Contention Based Protocol_Detection Power_Band 6+7_Ant1

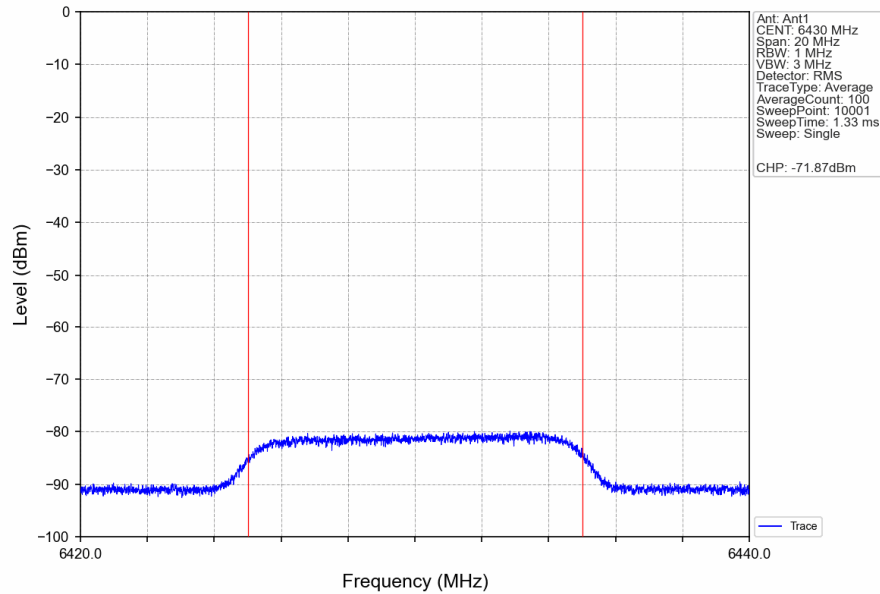
802.11be(EHT320)_MCH_6585MHz_Inject signal_6430MHz_Detection status_OFF



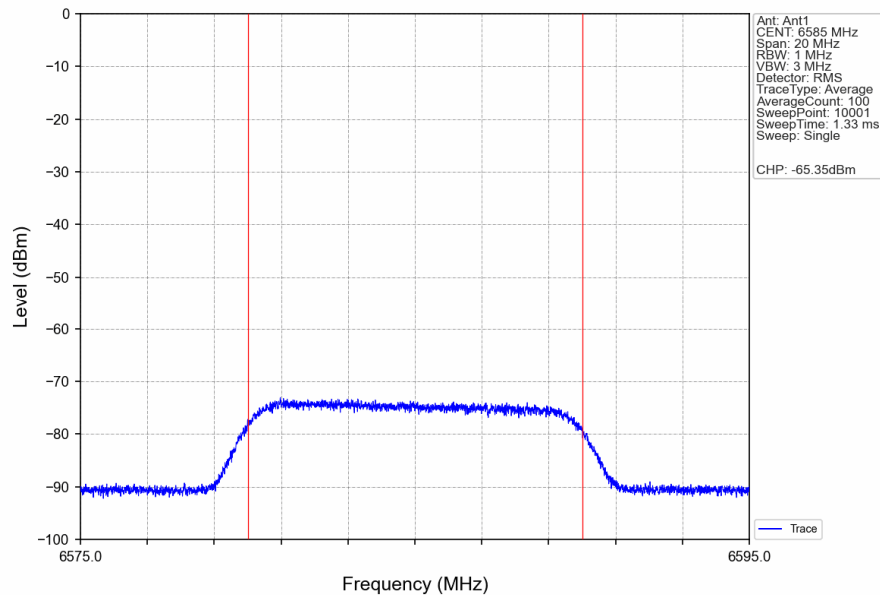
802.11be(EHT320)_MCH_6585MHz_Inject signal_6430MHz_Detection status_Minimal



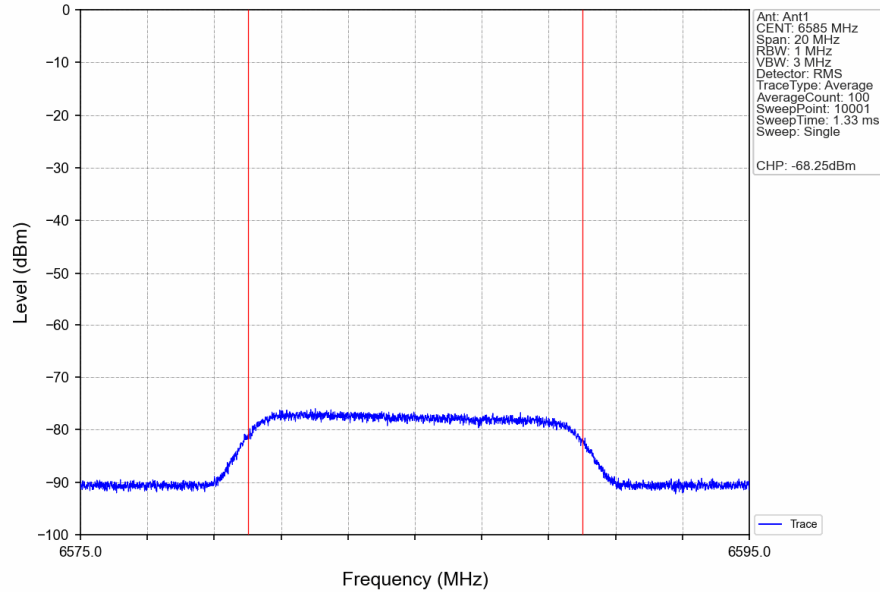
802.11be(EHT320)_MCH_6585MHz_Inject signal_6430MHz_Detection status_ON



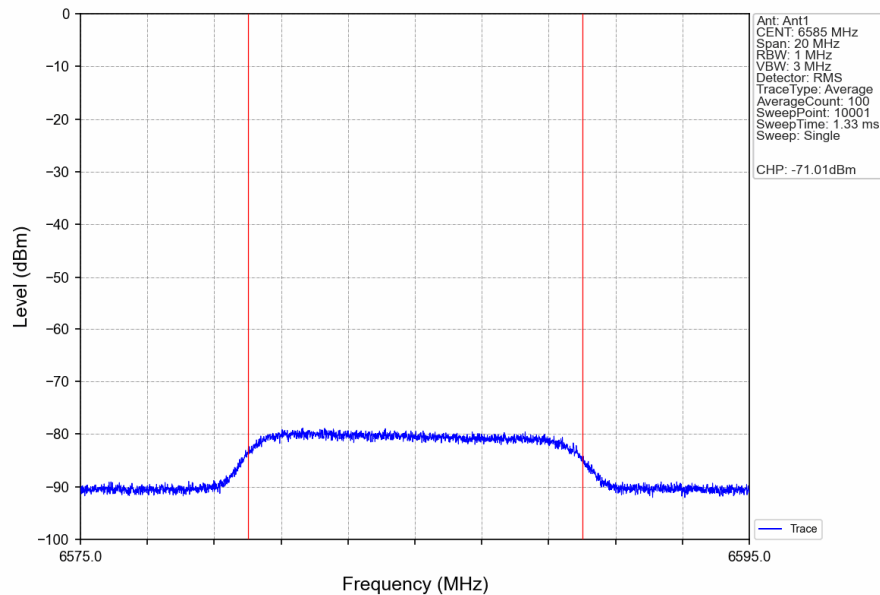
802.11be(EHT320)_MCH_6585MHz_Inject signal_6585MHz_Detection status_OFF



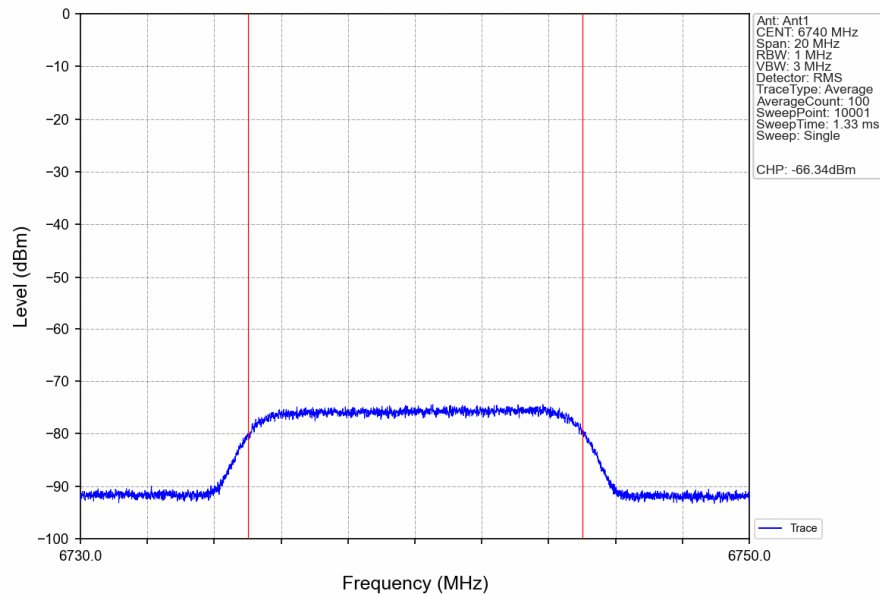
802.11be(EHT320)_MCH_6585MHz_Inject signal_6585MHz_Detection status_Minimal



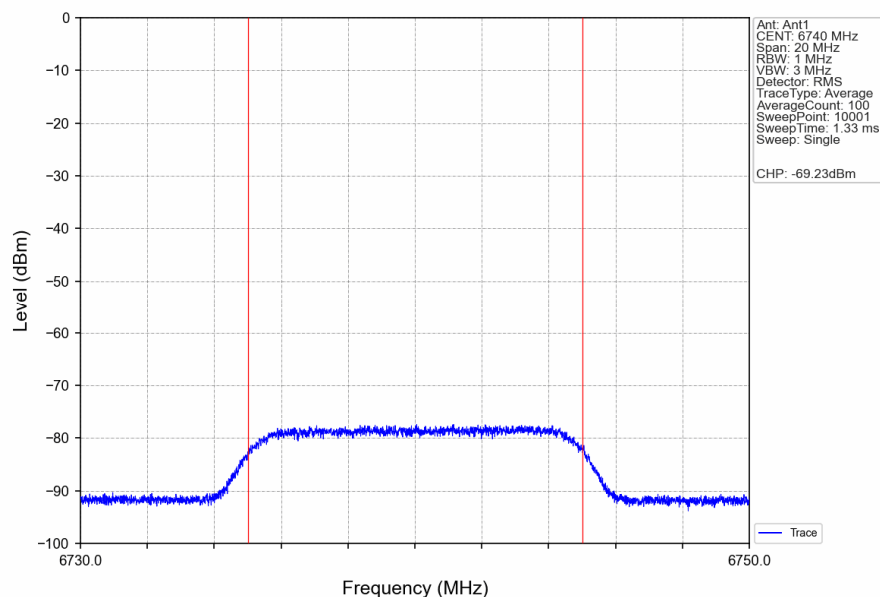
802.11be(EHT320)_MCH_6585MHz_Inject signal_6585MHz_Detection status_ON



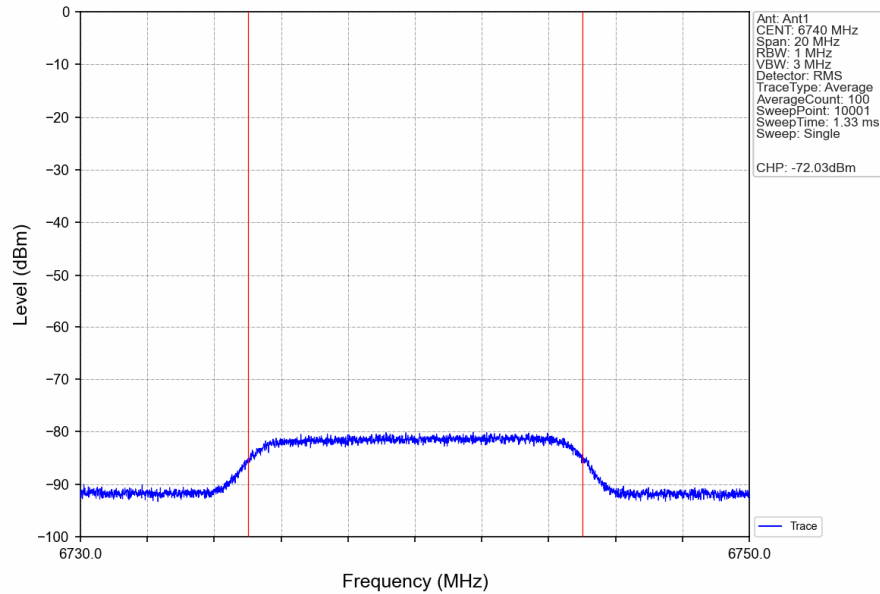
802.11be(EHT320)_MCH_6585MHz_Inject signal_6740MHz_Detection status_OFF



802.11be(EHT320)_MCH_6585MHz_Inject signal_6740MHz_Detection status_Minimal

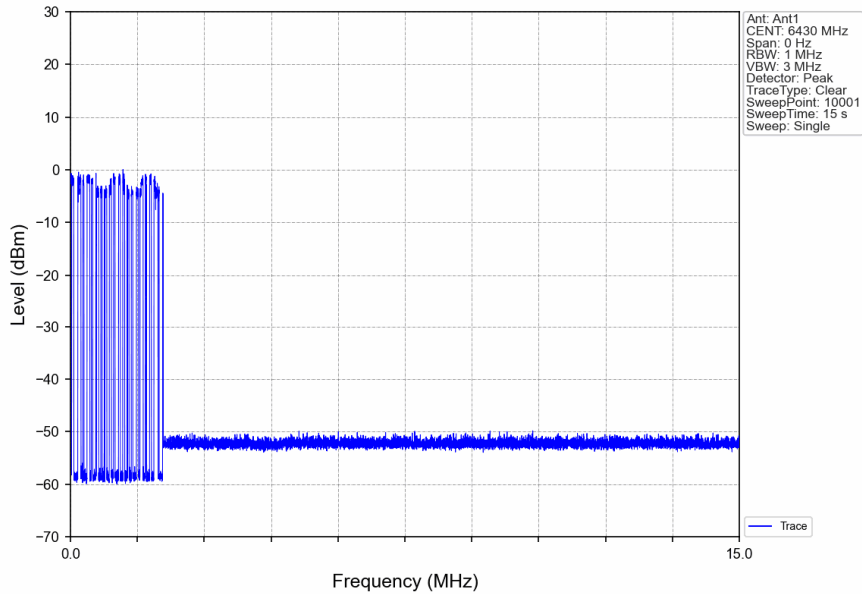


802.11be(EHT320)_MCH_6585MHz_Inject signal_6740MHz_Detection status_ON

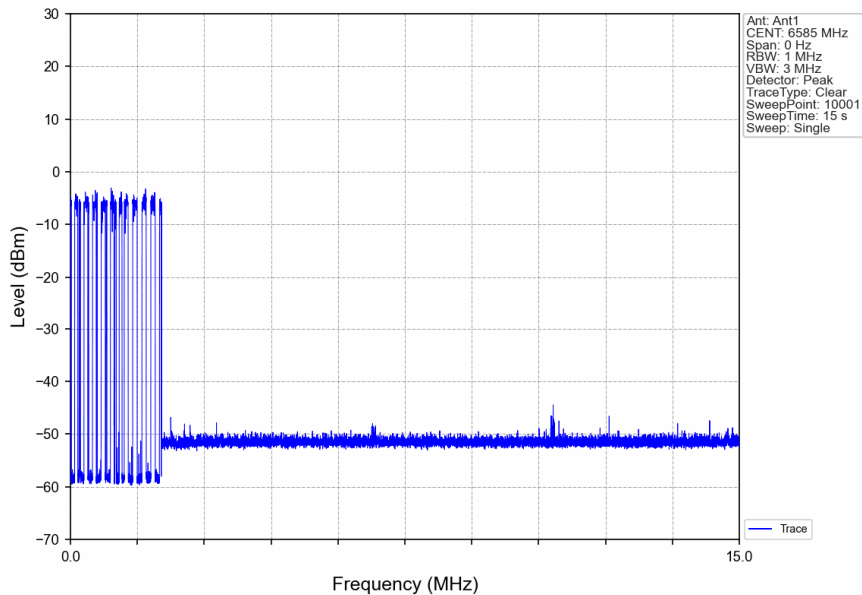


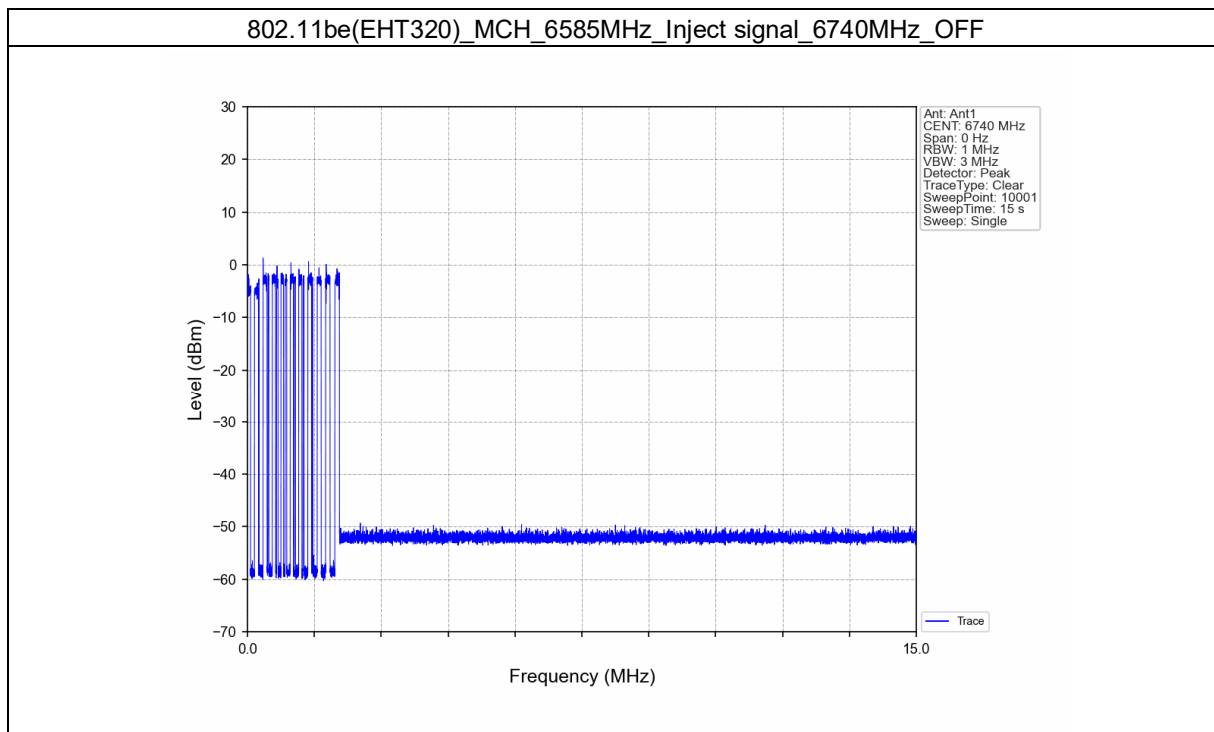
1.2.21 Contention Based Protocol_Detection Probability_Band 6+7_Ant1

802.11be(EHT320)_MCH_6585MHz_Inject signal_6430MHz_OFF



802.11be(EHT320)_MCH_6585MHz_Inject signal_6585MHz_OFF





- End of the Report -

