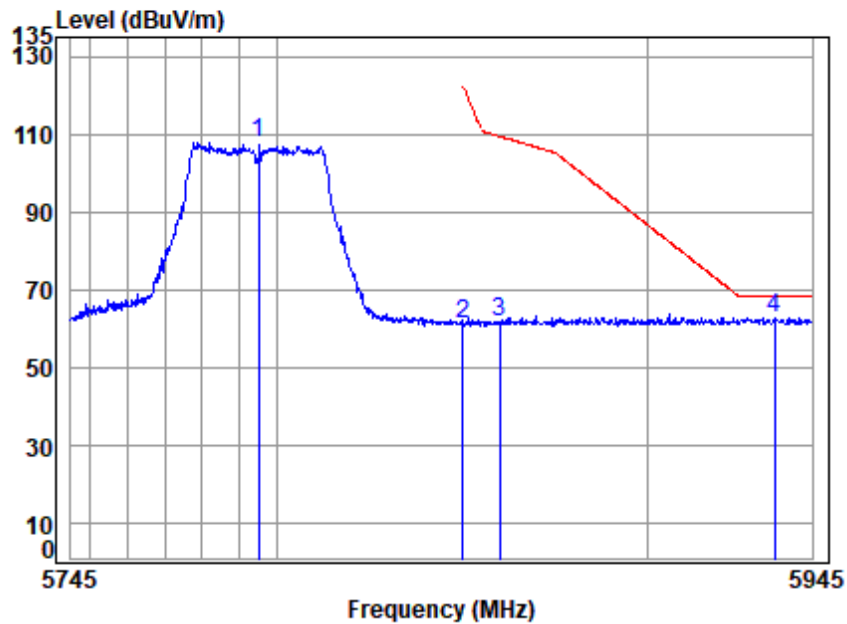


Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

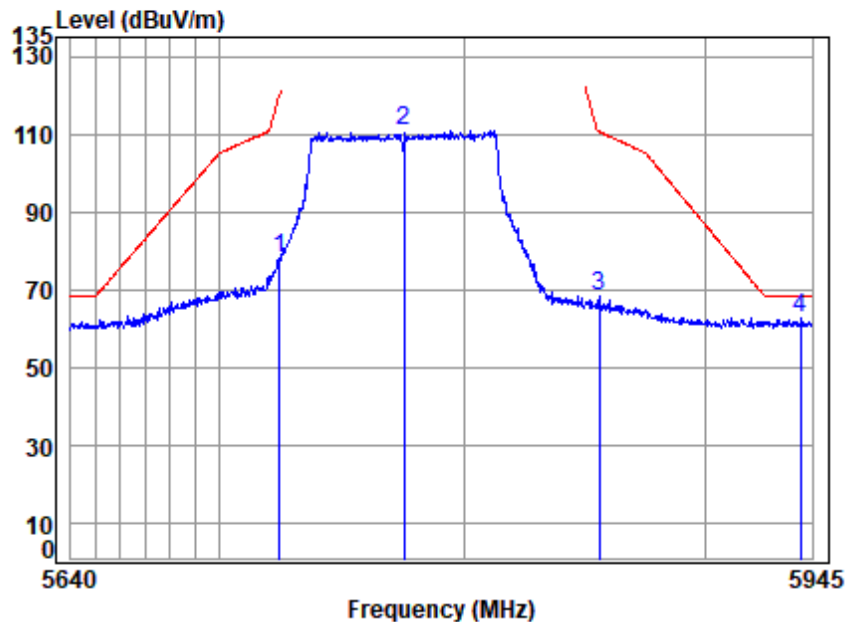


Site : chamber
Condition: 3m VERTICAL
Job No : 00544AT\00545AT
Mode : 5795 Band edge
: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.000	19.50	34.29	31.60	85.59	107.78	-----	peak
2	5850.000	19.54	34.40	31.63	38.99	61.30	122.20	-60.90 peak
3	5860.000	19.54	34.44	31.64	39.49	61.83	109.40	-47.57 peak
4 p	5934.633	19.59	34.67	31.67	40.27	62.86	68.20	-5.34 peak



Test Mode: 06; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle

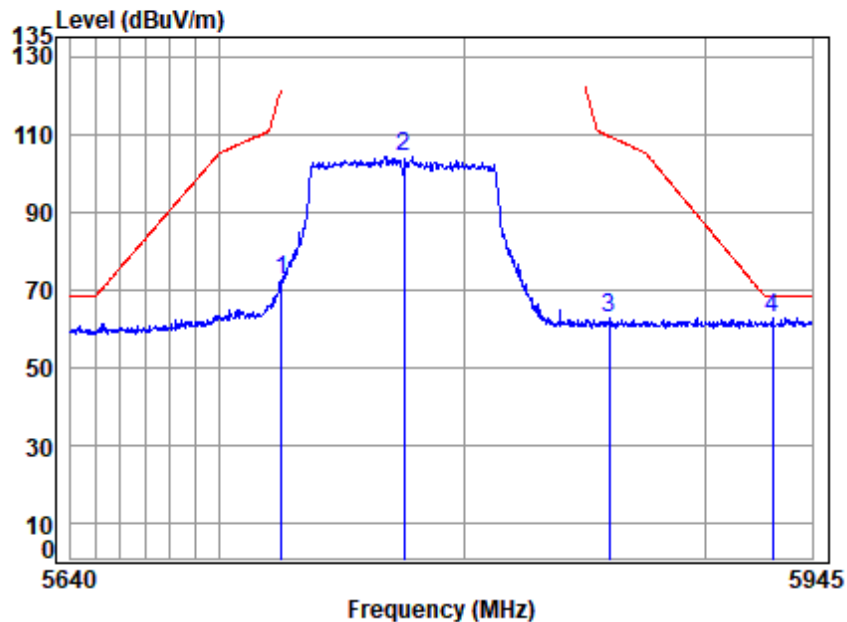


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00544AT\00545AT
Mode : 5775 Band edge
: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5724.390	19.46	34.25	31.57	56.07	78.21	120.81	-42.60 peak
2	5775.000	19.49	34.25	31.60	88.79	110.93	-----	----- peak
3	5855.815	19.54	34.42	31.63	45.85	68.18	110.57	-42.39 peak
4 p	5940.305	19.59	34.68	31.67	39.91	62.51	68.20	-5.69 peak



Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 00544AT\00545AT
Mode : 5775 Band edge
: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5724.993	19.46	34.25	31.57	50.22	72.36	122.18	-49.82 peak
2	5775.000	19.49	34.25	31.60	82.26	104.40	-----	----- peak
3	5859.826	19.54	34.44	31.64	40.07	62.41	109.45	-47.04 peak
4 p	5928.429	19.59	34.66	31.67	39.93	62.51	68.20	-5.69 peak



7.6 Duty Cycle

Test Requirement ANSI C63.10 (2013) Section 12.2

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

7.6.1 E.U.T. Operation

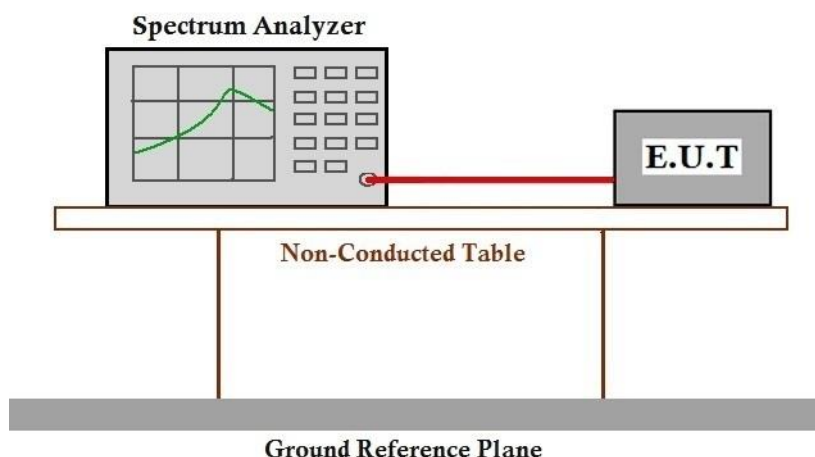
Operating Environment:

Temperature: 22.2 °C Humidity: 47.6 % RH Atmospheric Pressure: 1020 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	03	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

Please Refer to Appendix for Details



7.7 99% Bandwidth

Test Requirement ANSI C63.10 (2013) Section 12.4.2

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

7.7.1 E.U.T. Operation

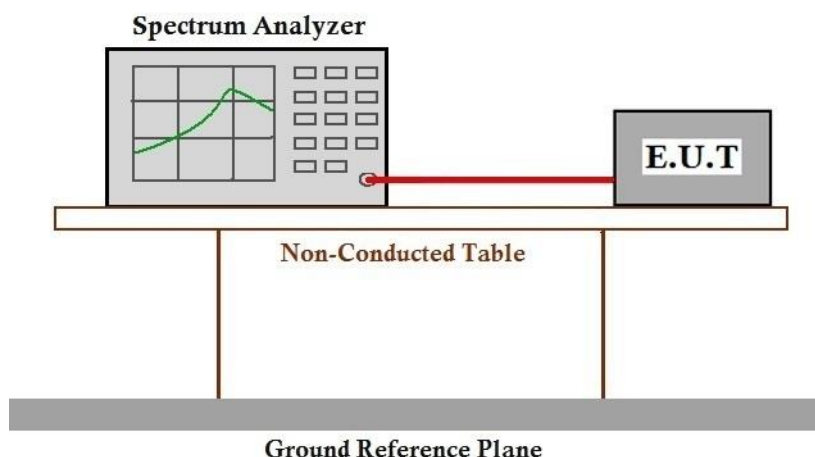
Operating Environment:

Temperature: 22.2 °C Humidity: 47.6 % RH Atmospheric Pressure: 1020 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	03	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.7.3 Test Setup Diagram



7.7.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.8 26dB Emission bandwidth

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

Test Method: ANSI C63.10 (2013) Section 12.4.1

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 22.2 °C

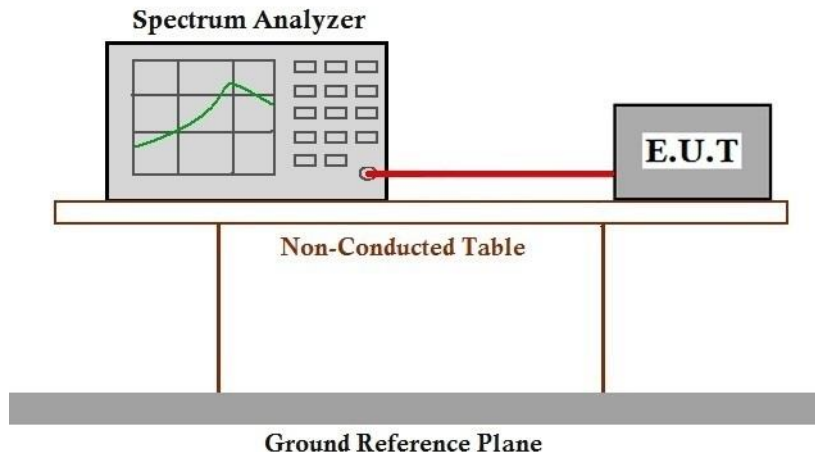
Humidity: 47.6 % RH

Atmospheric Pressure: 1020 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	03	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.8.3 Test Setup Diagram



7.8.4 Measurement Procedure and Data

Please Refer to Appendix for Details

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

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

Test Method: ANSI C63.10 (2013) Section 6.9.2

Limit:

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

7.9.1 E.U.T. Operation

Operating Environment:

Temperature: 22.2 °C

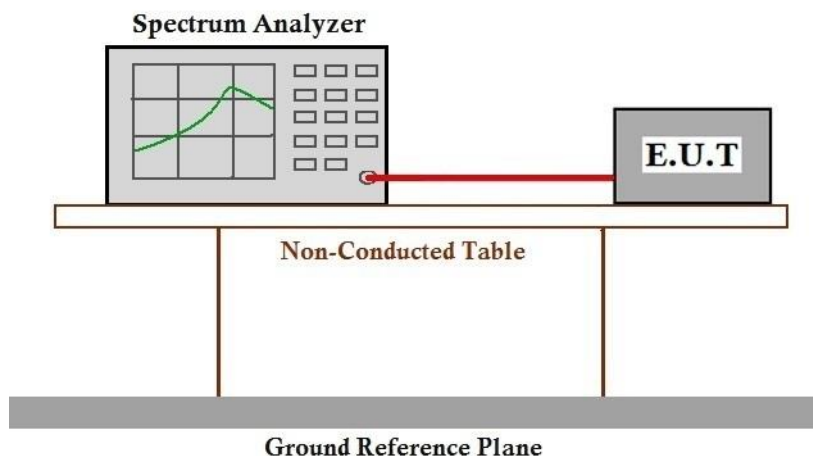
Humidity: 47.6 % RH

Atmospheric Pressure: 1020 mbar

7.9.2 Test Mode Description

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

7.9.3 Test Setup Diagram



7.9.4 Measurement Procedure and Data

Please Refer to Appendix for Details



7.10 Peak Power spectrum density

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

Test Method: ANSI C63.10 (2013) Section 12.5

Limit:

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

7.10.1 E.U.T. Operation

Operating Environment:

Temperature: 22.2 °C

Humidity: 47.6 % RH

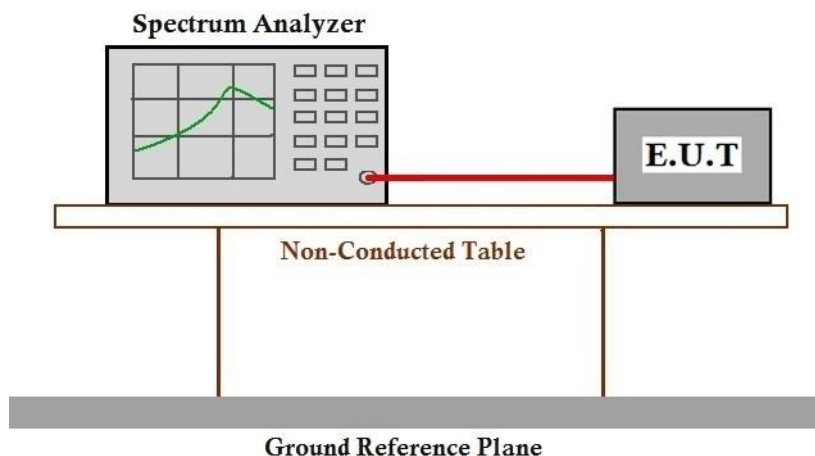
Atmospheric Pressure: 1020 mbar

7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	03	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.



7.10.3 Test Setup Diagram



7.10.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.11 Frequency Stability

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

Test Method: ANSI C63.10 (2013) Section 6.8

7.11.1 E.U.T. Operation

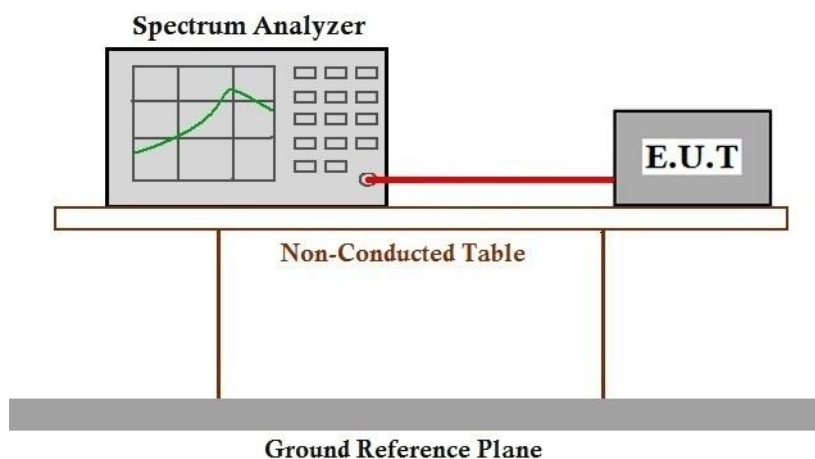
Operating Environment:

Temperature: 22.2 °C Humidity: 47.6 % RH Atmospheric Pressure: 1020 mbar

7.11.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	03	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.11.3 Test Setup Diagram



7.11.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.12 Transmitter Power Control

Test Requirement 47 CFR Part 15, Subpart E 15.407 (h)(1)

Test Method: ANSI C63.10 (2013) Section 12.3

Limit:

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

7.12.1 E.U.T. Operation

Operating Environment:

Temperature: 22.2 °C

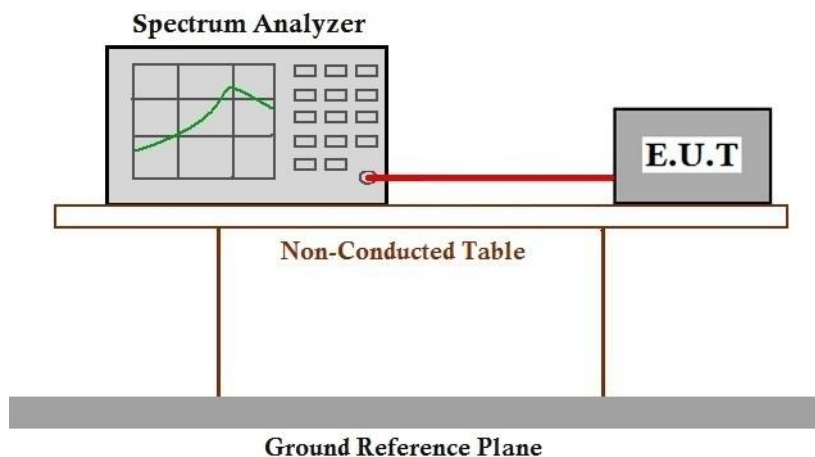
Humidity: 47.6 % RH

Atmospheric Pressure: 1020 mbar

7.12.2 Test Mode Description

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

7.12.3 Test Setup Diagram



7.12.4 Measurement Procedure and Data

Please Refer to Appendix for Details

8 Test Setup Photo

Refer to Appendix - Test Setup Photo for SZCR2502000544AT

9 EUT Constructional Details (EUT Photos)

Refer to Appendix – External and Internal Photos for SZCR2502000544AT



10 Appendix

1. Duty Cycle

1.1 Test Result

1.1.1 Ant1

Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	1.976	1.992	99.20	0.04	0.03
		5200	/	/	1.976	1.992	99.20	0.04	0.03
		5240	/	/	1.976	1.992	99.20	0.04	0.03
		5260	/	/	1.977	1.993	99.20	0.04	0.03
		5300	/	/	1.976	1.992	99.20	0.04	0.03
		5320	/	/	1.976	1.993	99.15	0.04	0.03
		5500	/	/	1.977	1.993	99.20	0.04	0.03
		5580	/	/	1.976	1.993	99.15	0.04	0.00
		5700	/	/	1.977	1.993	99.20	0.04	0.00
		5745	/	/	1.976	1.992	99.20	0.04	0.03
		5785	/	/	1.976	1.992	99.20	0.04	0.03
		5825	/	/	1.977	1.993	99.20	0.04	0.03
		5720	/	/	1.976	1.993	99.15	0.04	0.03
802.11n (HT20)	MIMO	5180	/	/	5.428	5.620	96.58	0.15	2.22
		5200	/	/	5.428	5.602	96.89	0.14	2.09
		5240	/	/	5.430	5.620	96.62	0.15	2.22
		5260	/	/	5.430	5.594	97.07	0.13	1.95
		5300	/	/	5.430	5.620	96.62	0.15	2.36
		5320	/	/	5.430	5.620	96.62	0.15	2.22
		5500	/	/	5.428	5.594	97.03	0.13	1.95
		5580	/	/	5.430	5.620	96.62	0.15	2.18
		5700	/	/	5.429	5.611	96.76	0.14	2.18
		5745	/	/	5.428	5.620	96.58	0.15	2.22
		5785	/	/	5.444	5.612	97.01	0.13	1.30
		5825	/	/	5.430	5.620	96.62	0.15	2.36
		5720	/	/	5.430	5.594	97.07	0.13	1.77
802.11n (HT40)	MIMO	5190	/	/	5.428	5.620	96.58	0.15	2.07
		5230	/	/	5.428	5.444	99.71	0.01	0.04
		5270	/	/	5.430	5.584	97.24	0.12	1.74



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

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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250200054404

Page: 285 of 1136

		5310	/	/	5.430	5.620	96.62	0.15	2.22
		5510	/	/	5.428	5.618	96.62	0.15	1.57
		5550	/	/	5.428	5.618	96.62	0.15	2.22
		5670	/	/	5.428	5.618	96.62	0.15	2.36
		5755	/	/	5.428	5.610	96.76	0.14	2.22
		5795	/	/	5.428	5.736	94.63	0.24	3.70
		5710	/	/	5.430	5.611	96.77	0.14	2.24
802.11ac (VHT20)	MIMO	5180	/	/	5.430	5.610	96.79	0.14	2.19
		5200	/	/	5.430	5.602	96.93	0.14	2.05
		5240	/	/	5.444	5.812	93.67	0.28	5.10
		5260	/	/	5.430	5.620	96.62	0.15	2.04
		5300	/	/	5.428	5.618	96.62	0.15	2.40
		5320	/	/	5.428	5.620	96.58	0.15	1.93
		5500	/	/	5.430	5.620	96.62	0.15	2.36
		5580	/	/	5.444	5.612	97.01	0.13	2.08
		5700	/	/	5.430	5.602	96.93	0.14	1.73
		5745	/	/	5.428	5.612	96.72	0.14	1.93
		5785	/	/	5.444	6.172	88.20	0.55	10.24
		5825	/	/	5.430	5.602	96.93	0.14	2.05
		5720	/	/	5.428	5.610	96.76	0.14	1.90
802.11ac (VHT40)	MIMO	5190	/	/	5.428	5.445	99.69	0.01	0.03
		5230	/	/	5.429	5.445	99.71	0.01	0.03
		5270	/	/	5.428	5.618	96.62	0.15	2.36
		5310	/	/	5.428	5.600	96.93	0.14	1.58
		5510	/	/	5.428	5.618	96.62	0.15	2.36
		5550	/	/	5.428	5.610	96.76	0.14	2.22
		5670	/	/	5.430	5.602	96.93	0.14	2.09
		5755	/	/	5.428	5.610	96.76	0.14	2.22
		5795	/	/	5.444	6.166	88.29	0.54	10.84
		5710	/	/	5.428	5.610	96.76	0.14	2.26
802.11ac (VHT80)	MIMO	5210	/	/	5.428	5.446	99.67	0.01	0.04
		5290	/	/	5.428	5.620	96.58	0.15	2.40
		5530	/	/	5.428	5.610	96.76	0.14	1.44
		5610	/	/	5.430	5.602	96.93	0.14	1.91
		5775	/	/	5.428	5.444	99.71	0.01	0.00
		5690	/	/	5.428	5.566	97.52	0.11	1.13
802.11ac (VHT160)	MIMO	5570	/	/	5.442	5.616	96.90	0.14	2.33
		5250	/	/	5.428	5.444	99.71	0.01	0.00
802.11ax (HEW20)	MIMO	5180	SU	/	5.444	5.618	96.90	0.14	1.90
		5200	SU	/	5.444	5.636	96.59	0.15	1.71



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

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

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/1

Report No.: SZCR250200054404

Page: 286 of 1136

		5240	SU	/	5.444	6.135	88.74	0.52	9.76
		5260	SU	/	5.444	5.636	96.59	0.15	2.03
		5300	SU	/	5.444	5.636	96.59	0.15	2.03
		5320	SU	/	5.444	5.600	97.21	0.12	1.41
		5500	SU	/	5.444	5.628	96.73	0.14	2.07
		5580	SU	/	5.444	5.626	96.77	0.14	2.04
		5700	SU	/	5.444	5.608	97.08	0.13	1.73
		5745	SU	/	5.444	5.636	96.59	0.15	2.03
		5785	SU	/	5.460	6.294	86.75	0.62	12.53
		5825	SU	/	5.444	5.636	96.59	0.15	1.75
		5720	SU	/	5.446	5.618	96.94	0.14	1.86
802.11ax (HEW40)	MIMO	5190	SU	/	5.446	5.636	96.63	0.15	2.21
		5230	SU	/	5.444	5.460	99.71	0.01	0.04
		5270	SU	/	5.444	5.618	96.90	0.14	1.90
		5310	SU	/	5.444	5.634	96.63	0.15	2.06
		5510	SU	/	5.444	5.634	96.63	0.15	2.07
		5550	SU	/	5.446	5.636	96.63	0.15	2.39
		5670	SU	/	5.444	5.634	96.63	0.15	2.36
		5755	SU	/	5.444	5.636	96.59	0.15	2.39
		5795	SU	/	5.444	5.634	96.63	0.15	2.36
		5710	SU	/	5.444	5.616	96.94	0.14	2.05
802.11ax (HEW80)	MIMO	5210	SU	/	5.444	5.462	99.67	0.01	0.04
		5290	SU	/	5.444	5.608	97.08	0.13	1.91
		5530	SU	/	5.444	5.634	96.63	0.15	2.36
		5610	SU	/	5.444	5.618	96.90	0.14	1.90
		5775	SU	/	5.444	5.460	99.71	0.01	0.00
		5690	SU	/	5.444	5.636	96.59	0.15	2.39
802.11ax (HEW160)	MIMO	5570	SU	/	5.460	5.636	96.88	0.14	2.40
		5250	SU	/	5.444	5.460	99.71	0.01	0.00
802.11be (EHT20)	MIMO	5180	SU	/	5.468	5.754	95.03	0.22	4.25
		5200	SU	/	5.464	5.616	97.29	0.12	1.91
		5240	SU	/	5.452	5.634	96.77	0.14	2.04
		5260	SU	/	5.452	5.644	96.60	0.15	1.25
		5300	SU	/	5.451	5.643	96.60	0.15	2.05
		5320	SU	/	5.452	5.636	96.74	0.14	2.21
		5500	SU	/	5.452	5.644	96.60	0.15	1.42
		5580	SU	/	5.452	5.644	96.60	0.15	2.21
		5700	SU	/	5.452	5.644	96.60	0.15	2.21
		5745	SU	/	5.452	5.608	97.22	0.12	1.77
		5785	SU	/	5.467	6.110	89.48	0.48	8.83



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

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

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/1

Report No.: SZCR250200054404

Page: 287 of 1136

		5825	SU	/	5.466	5.590	97.78	0.10	1.28
		5720	SU	/	5.452	5.644	96.60	0.15	2.06
802.11be (EHT40)	MIMO	5190	SU	/	5.452	5.468	99.71	0.01	0.00
		5230	SU	/	5.452	5.642	96.63	0.15	0.76
		5270	SU	/	5.452	5.580	97.71	0.10	1.13
		5310	SU	/	5.454	5.644	96.63	0.15	2.21
		5510	SU	/	5.452	5.642	96.63	0.15	2.03
		5550	SU	/	5.452	5.642	96.63	0.15	2.21
		5670	SU	/	5.452	5.642	96.63	0.15	1.89
		5755	SU	/	5.454	5.634	96.81	0.14	2.22
		5795	SU	/	5.451	5.468	99.69	0.01	0.04
		5710	SU	/	5.452	5.634	96.77	0.14	2.21
802.11be (EHT80)	MIMO	5210	SU	/	5.452	5.470	99.67	0.01	0.04
		5290	SU	/	5.452	5.634	96.77	0.14	2.21
		5530	SU	/	5.452	5.642	96.63	0.15	2.35
		5610	SU	/	5.452	5.642	96.63	0.15	2.39
		5775	SU	/	5.452	5.468	99.71	0.01	0.00
		5690	SU	/	5.452	5.634	96.77	0.14	2.21
802.11be (EHT160)	MIMO	5570	SU	/	5.452	5.644	96.60	0.15	2.06
		5250	SU	/	5.452	5.468	99.71	0.01	0.00



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

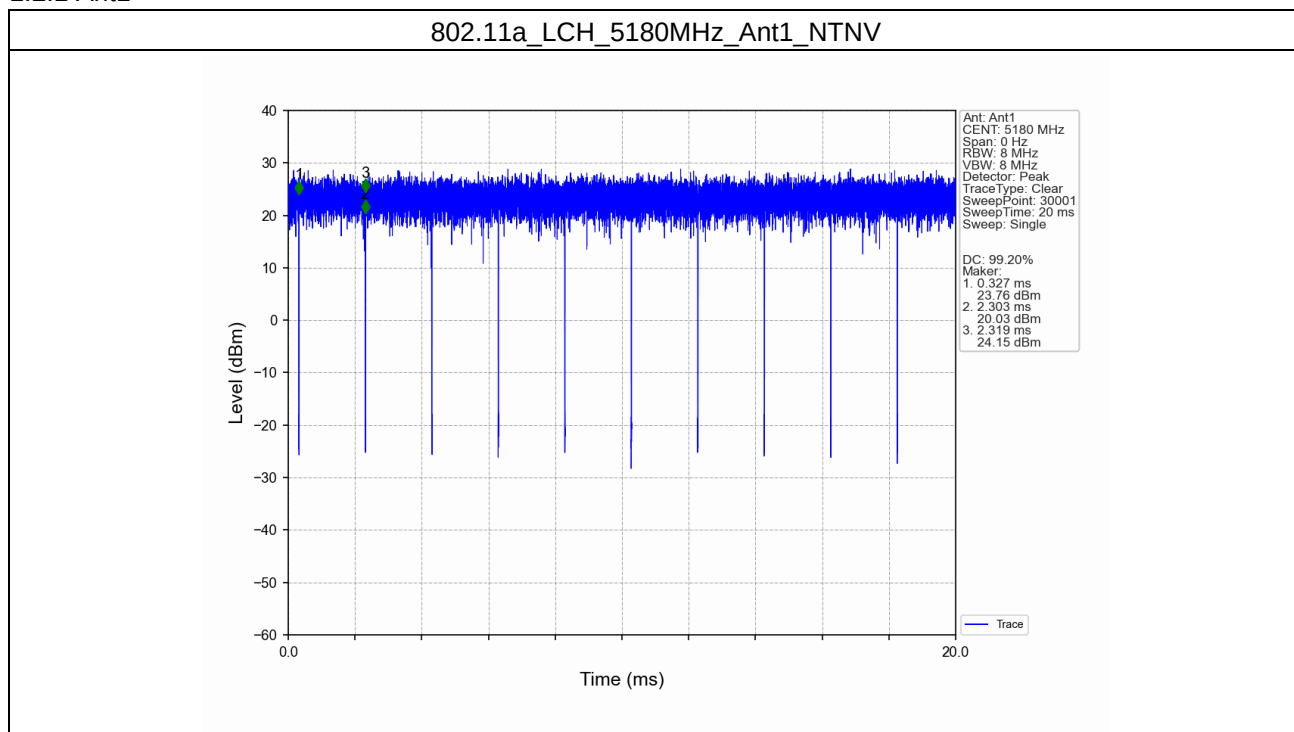
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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

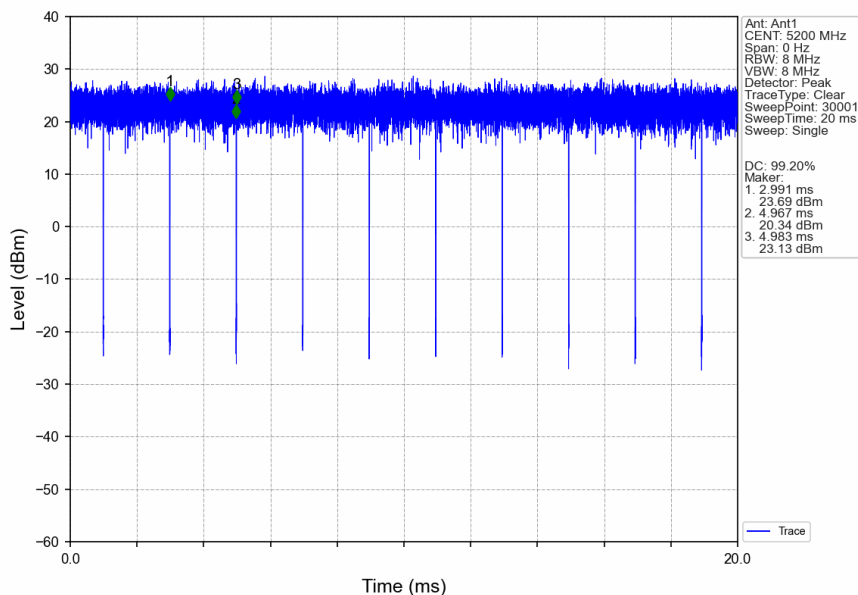
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

1.2 Test Graph

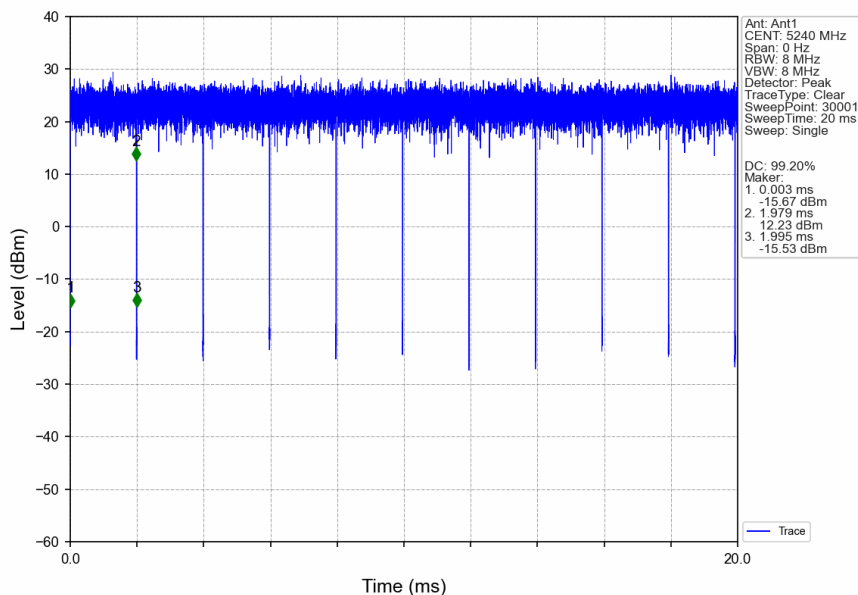
1.2.1 Ant1



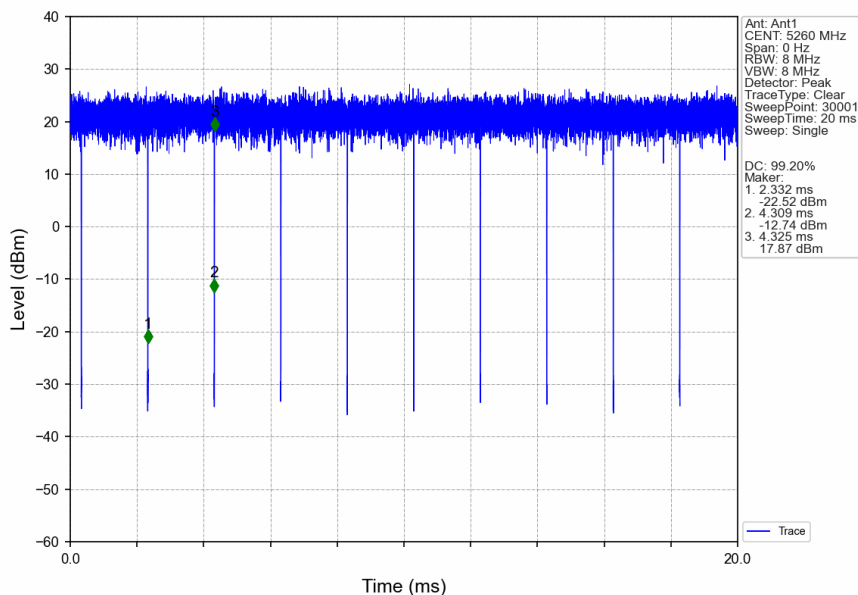
802.11a_MCH_5200MHz_Ant1_NTNV



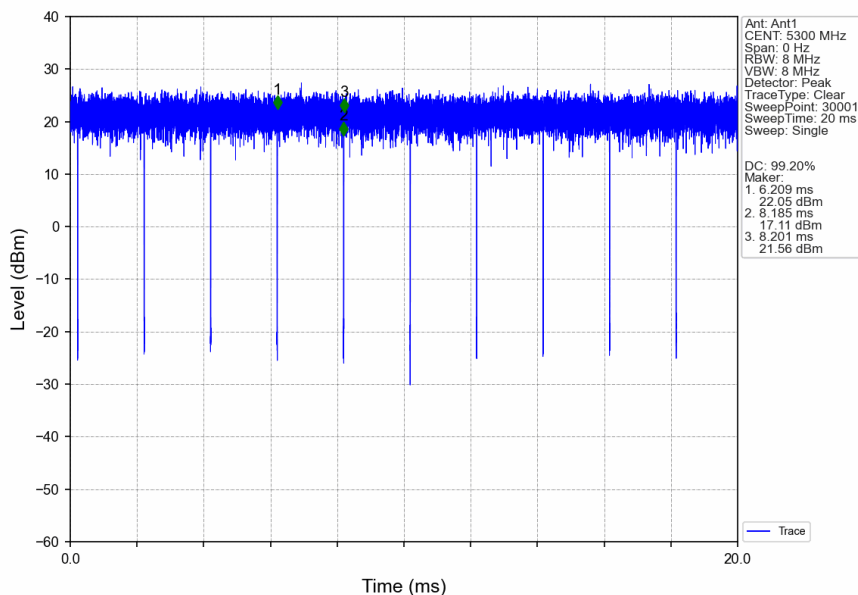
802.11a_HCH_5240MHz_Ant1_NTNV



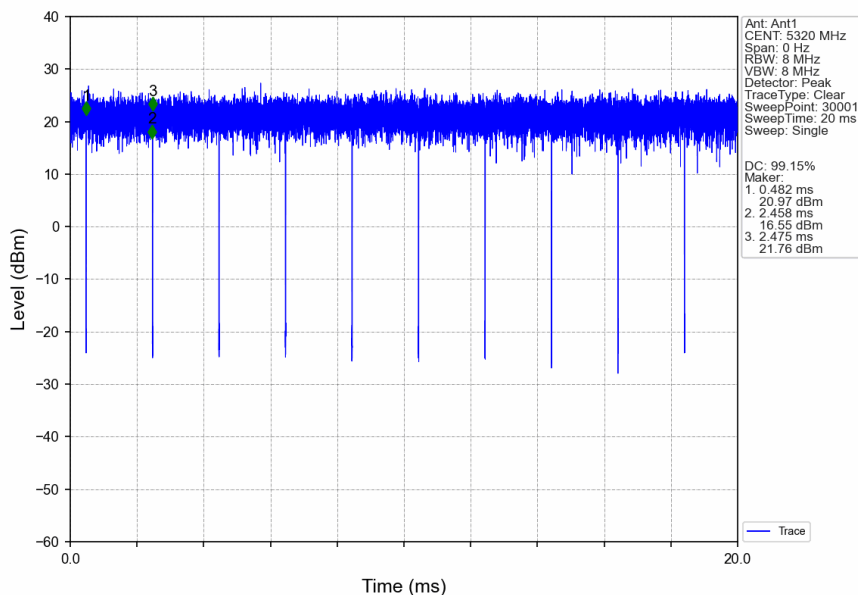
802.11a_LCH_5260MHz_Ant1_NTNV



802.11a_MCH_5300MHz_Ant1_NTNV



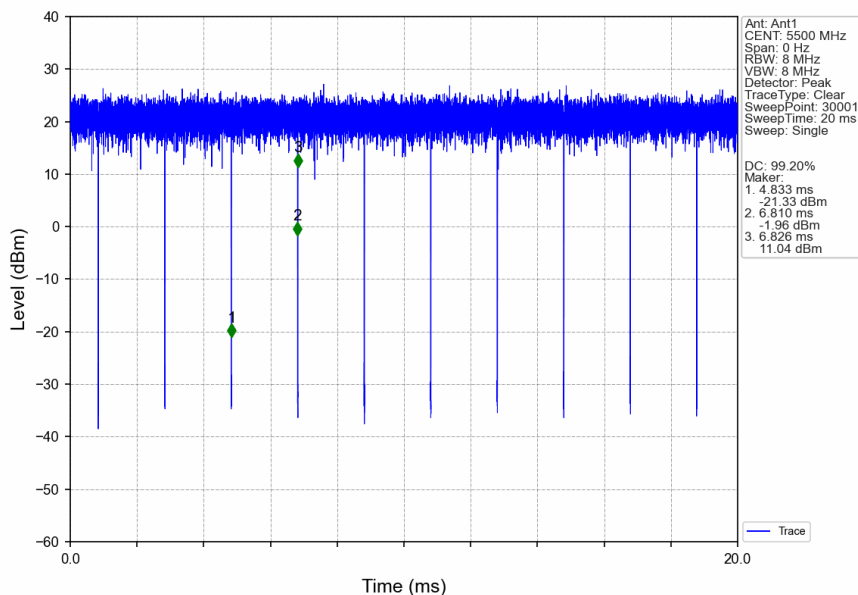
802.11a_HCH_5320MHz_Ant1_NTNV



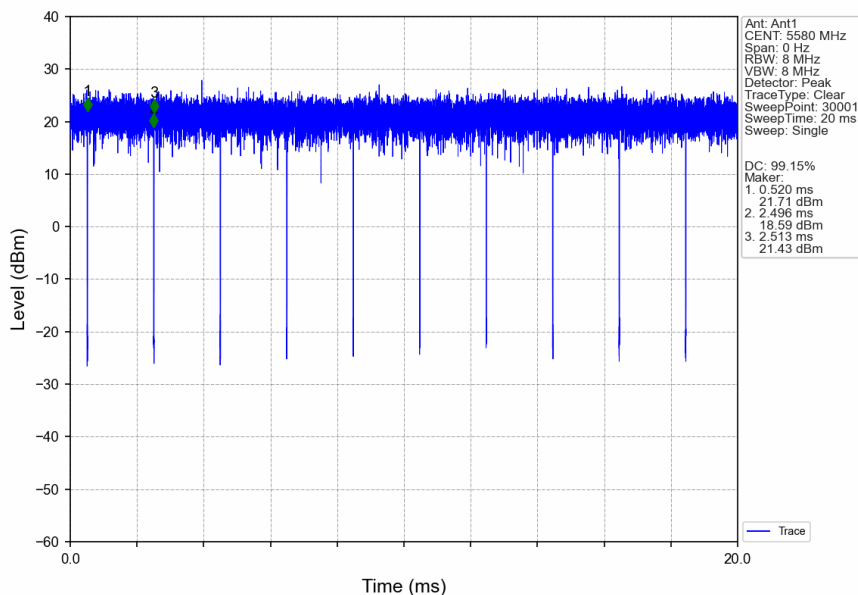
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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

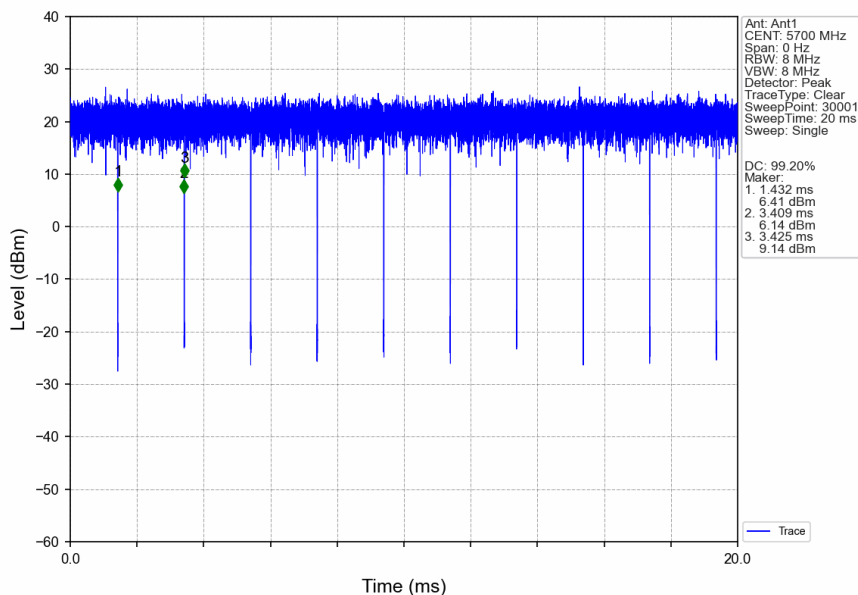
802.11a_LCH_5500MHz_Ant1_NTNV



802.11a_MCH_5580MHz_Ant1_NTNV



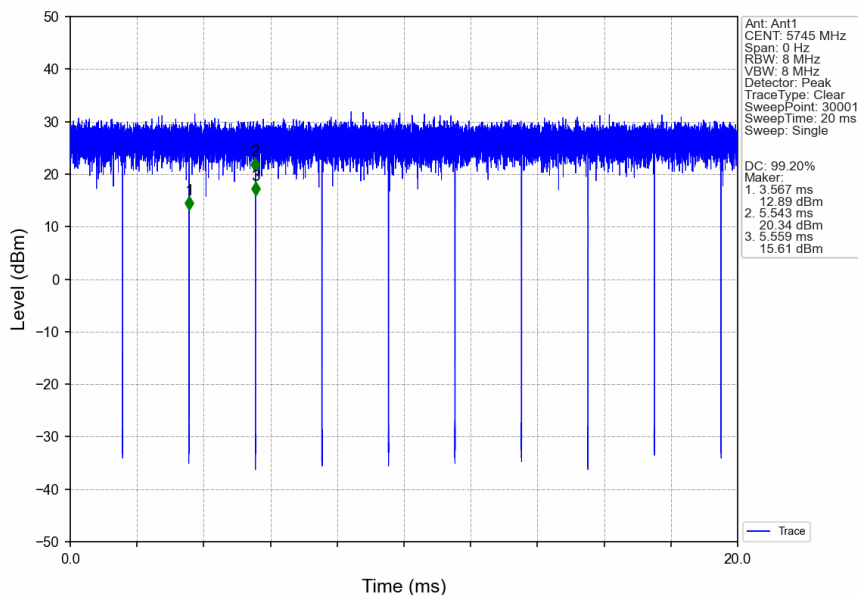
802.11a_HCH_5700MHz_Ant1_NTNV



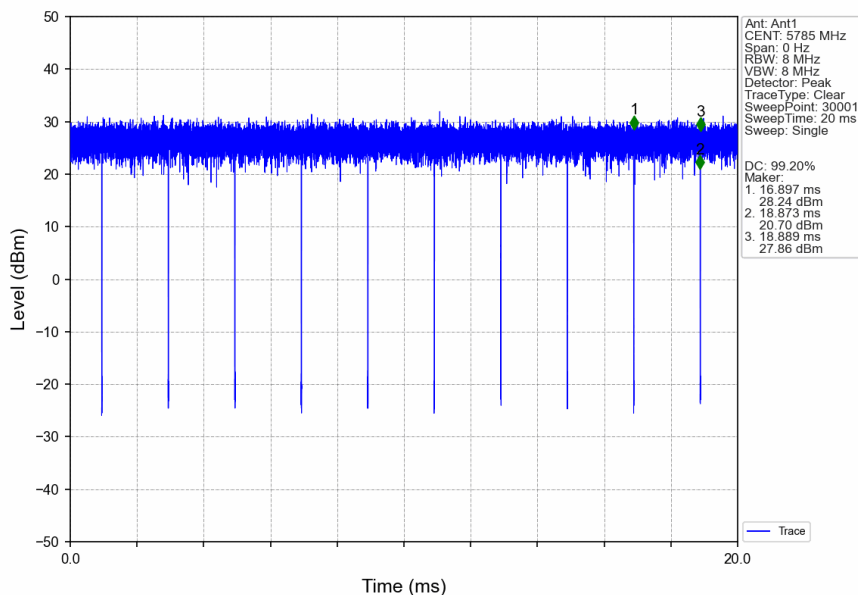
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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

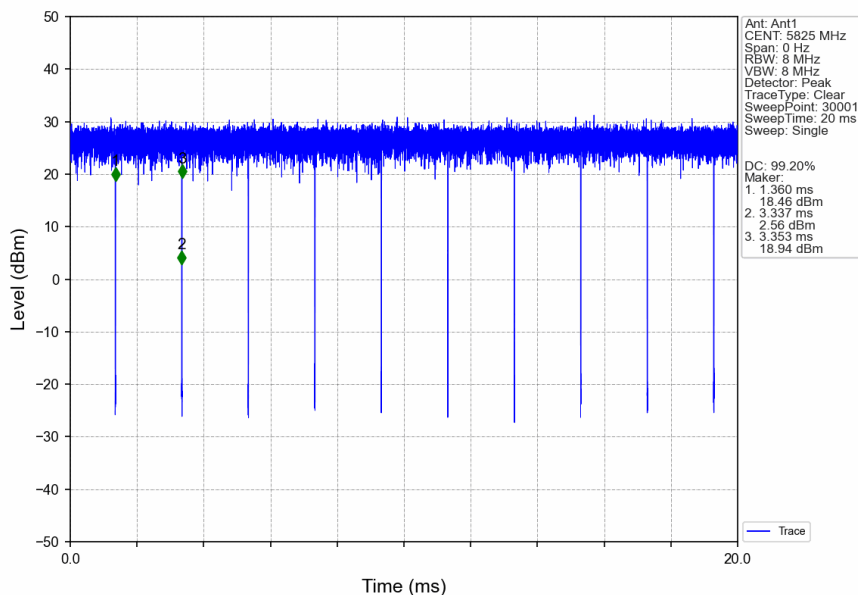
802.11a_LCH_5745MHz_Ant1_NTNV



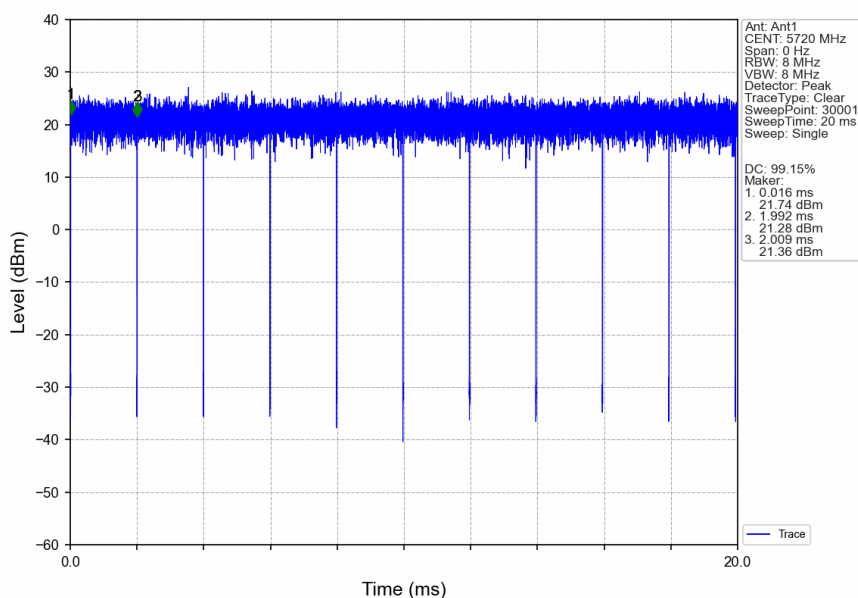
802.11a_MCH_5785MHz_Ant1_NTNV



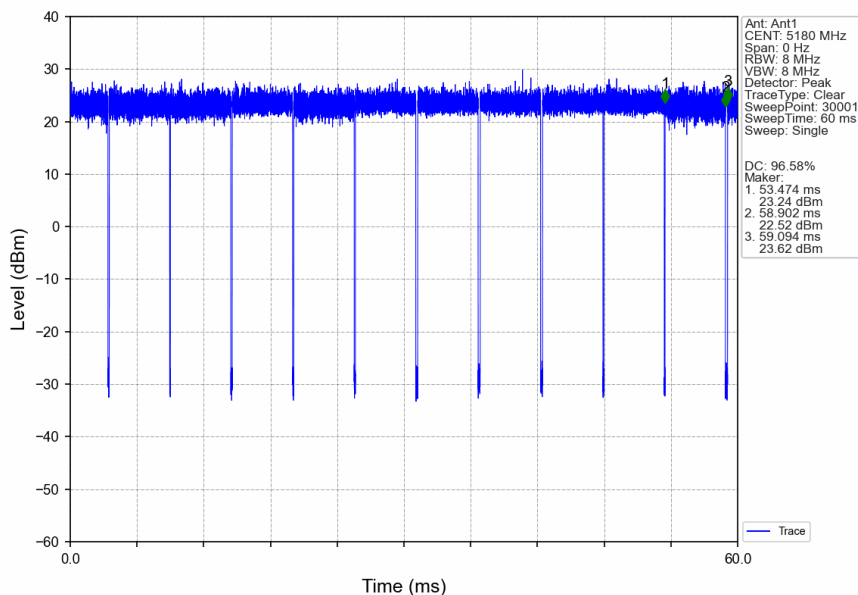
802.11a_HCH_5825MHz_Ant1_NTNV



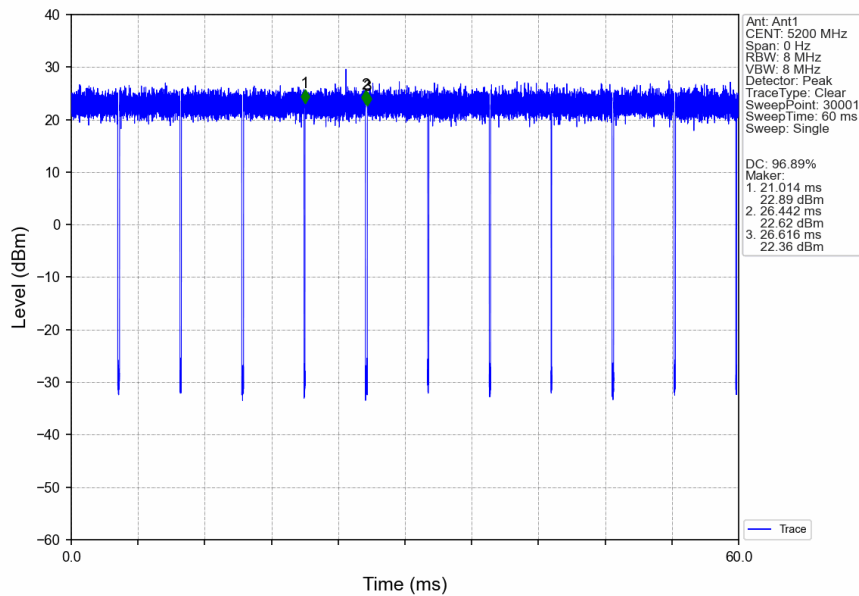
802.11a_HCH_5720MHz_Ant1_NTNV



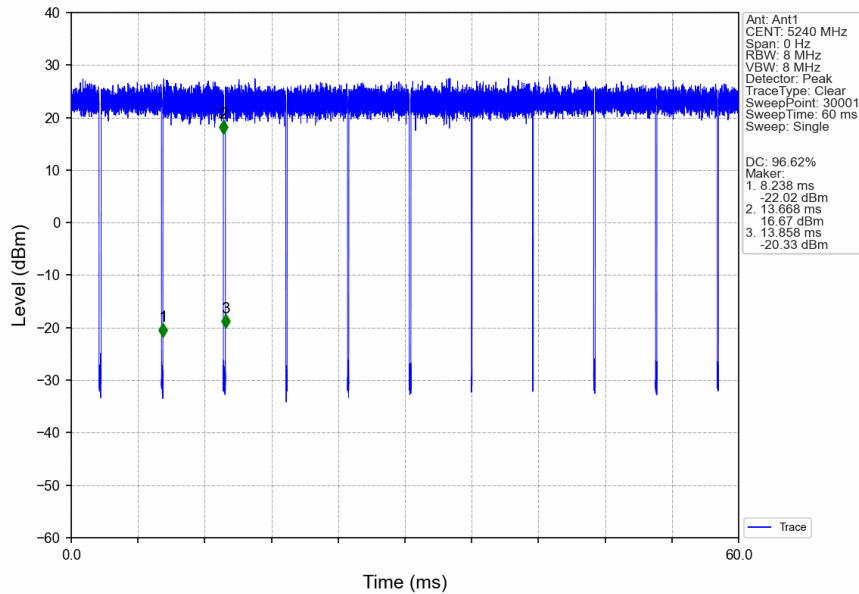
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



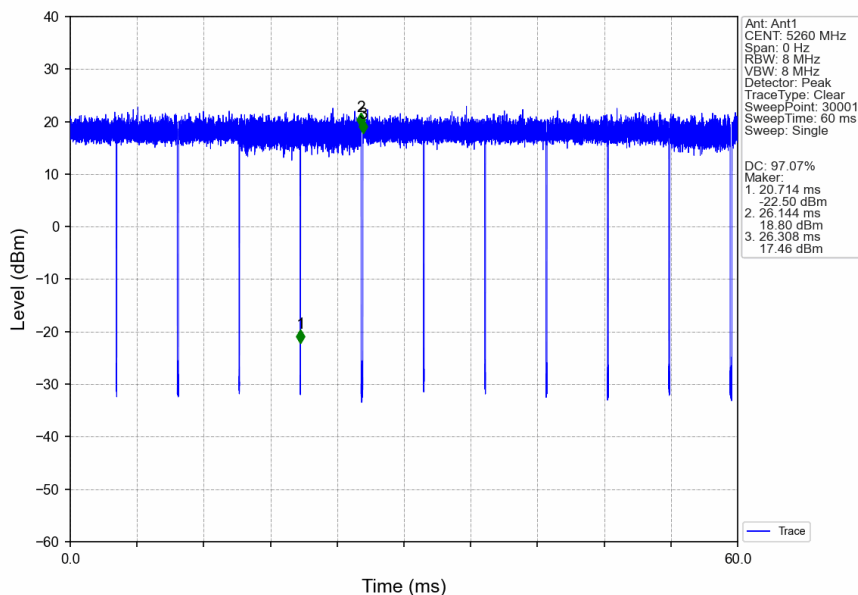
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



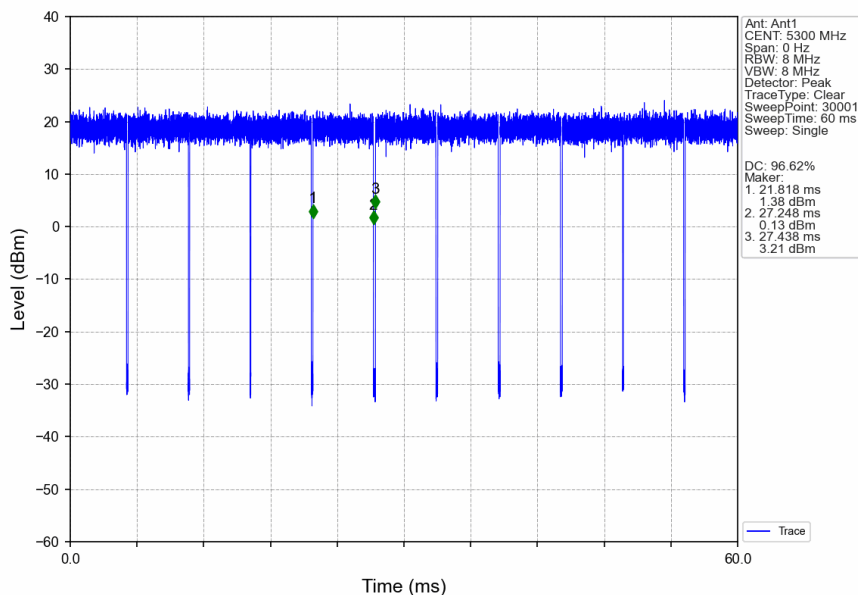
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



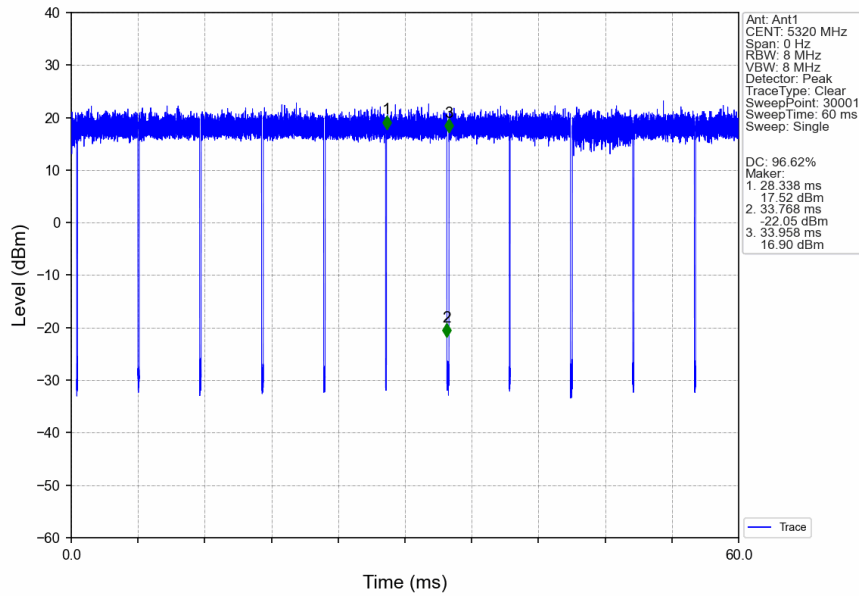
802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



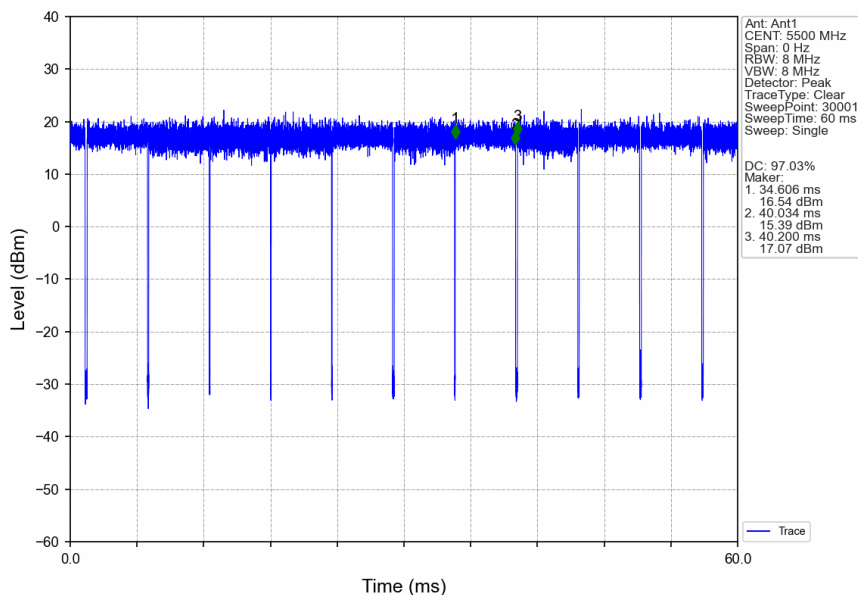
802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



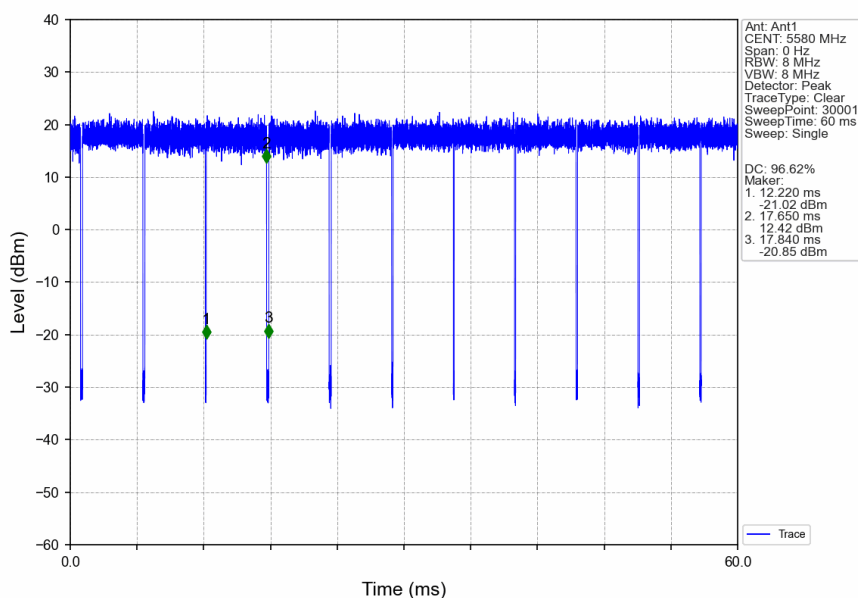
802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



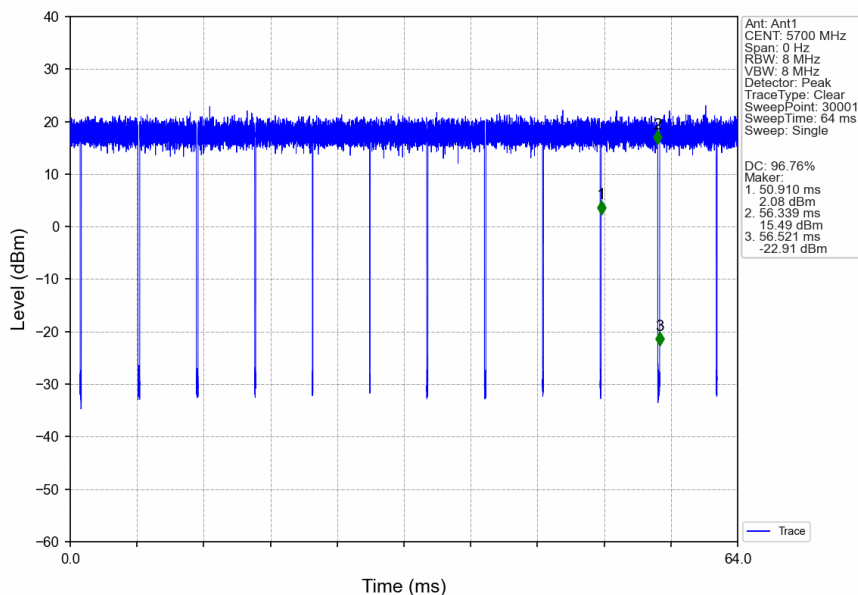
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



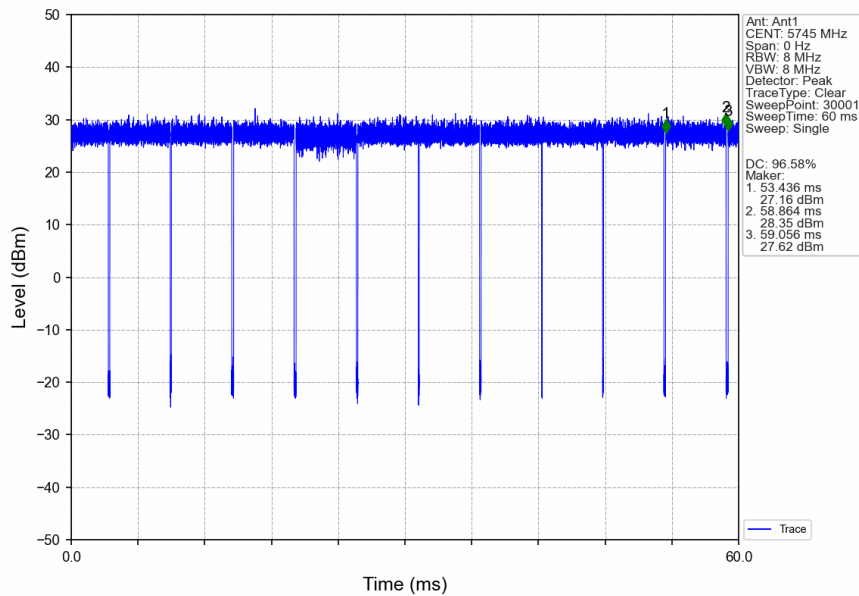
802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



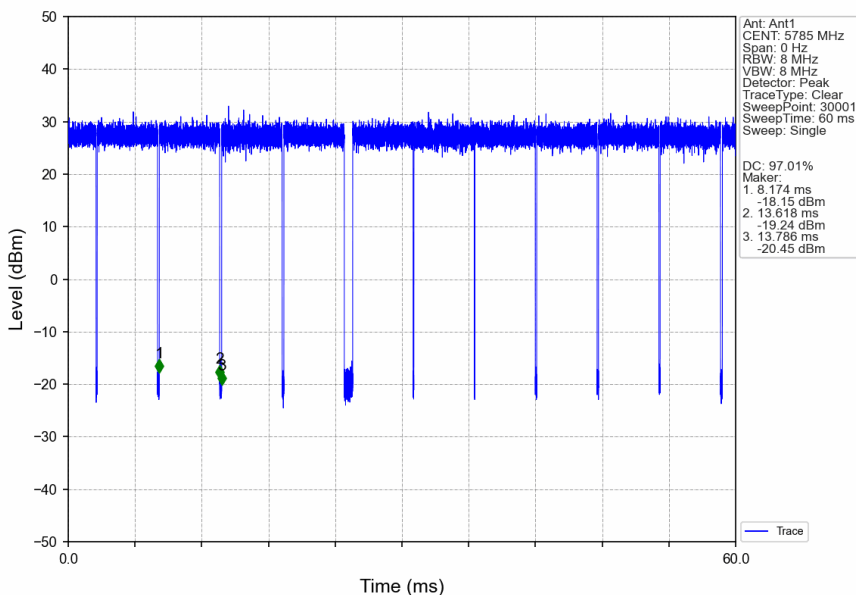
802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



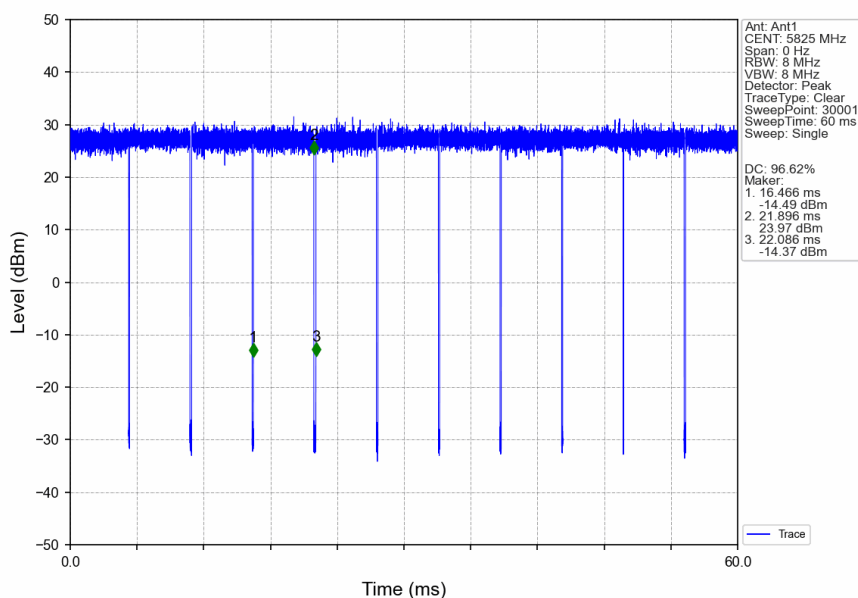
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



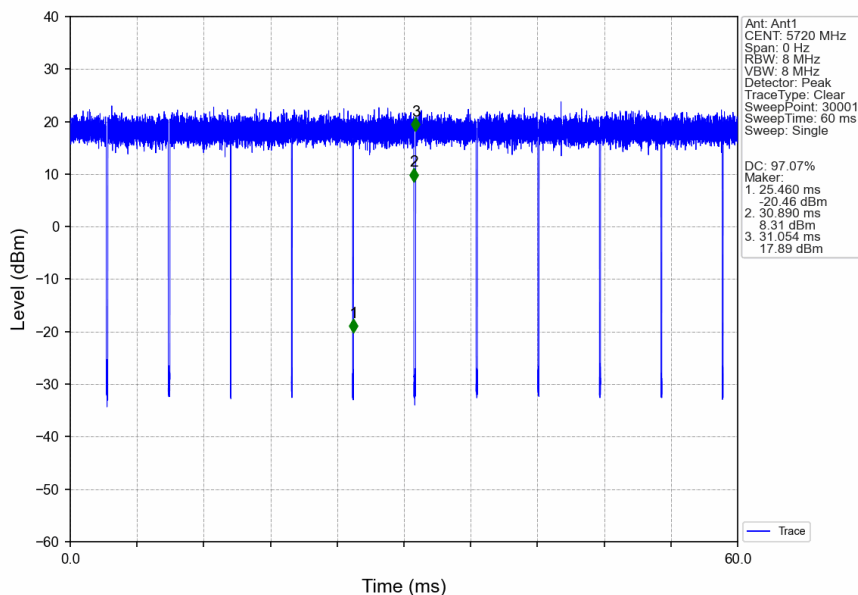
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



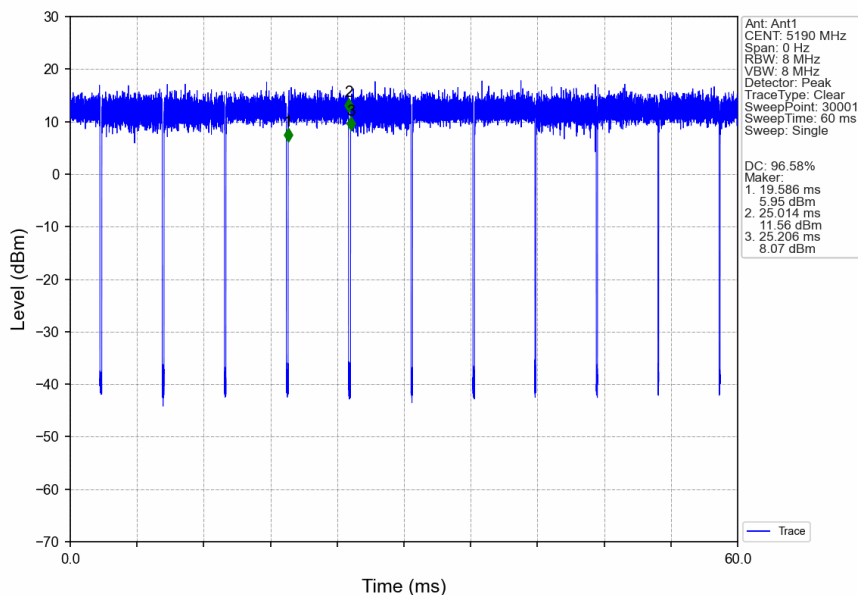
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



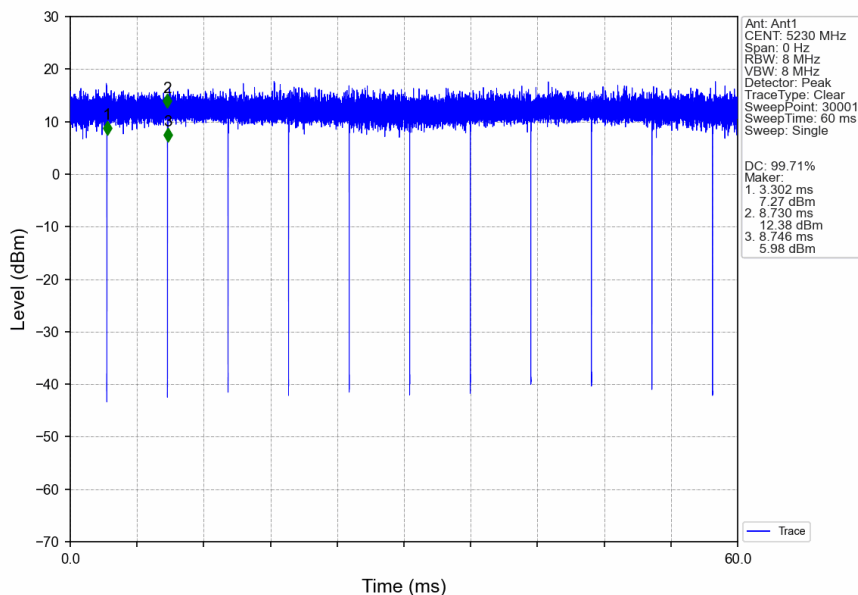
802.11n(HT20)_HCH_5720MHz_Ant1_NTNV



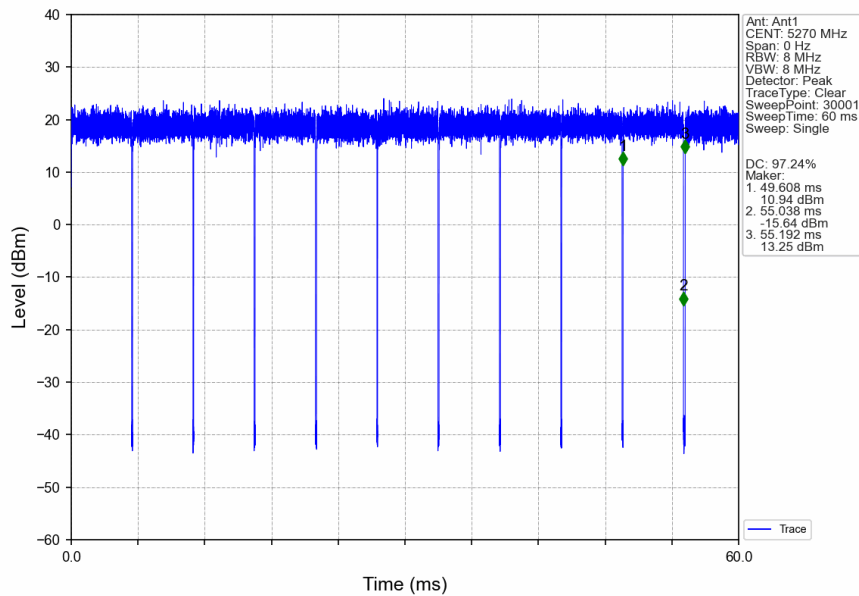
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



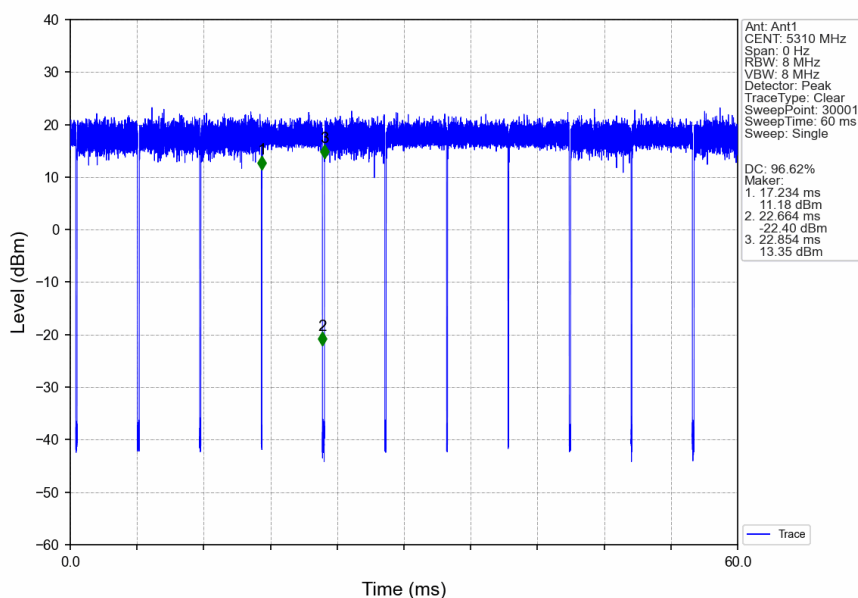
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



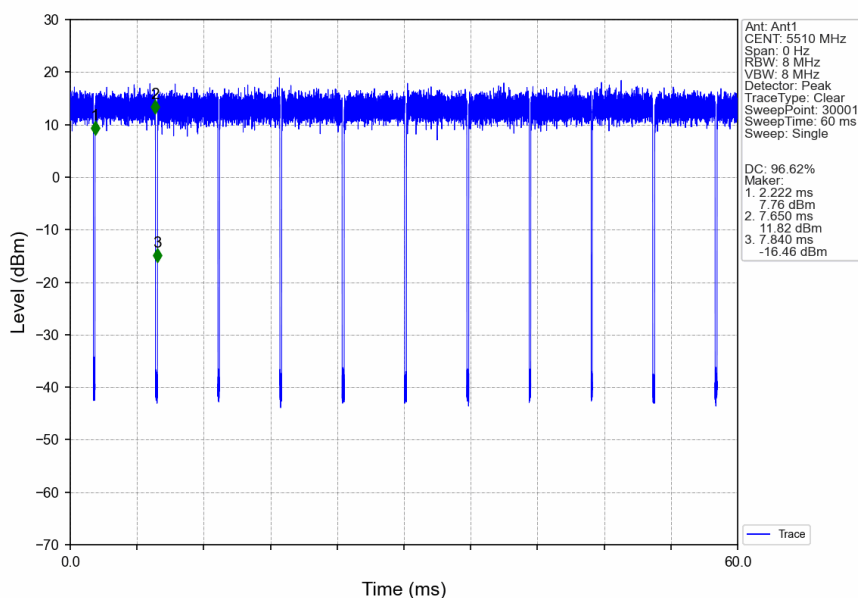
802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



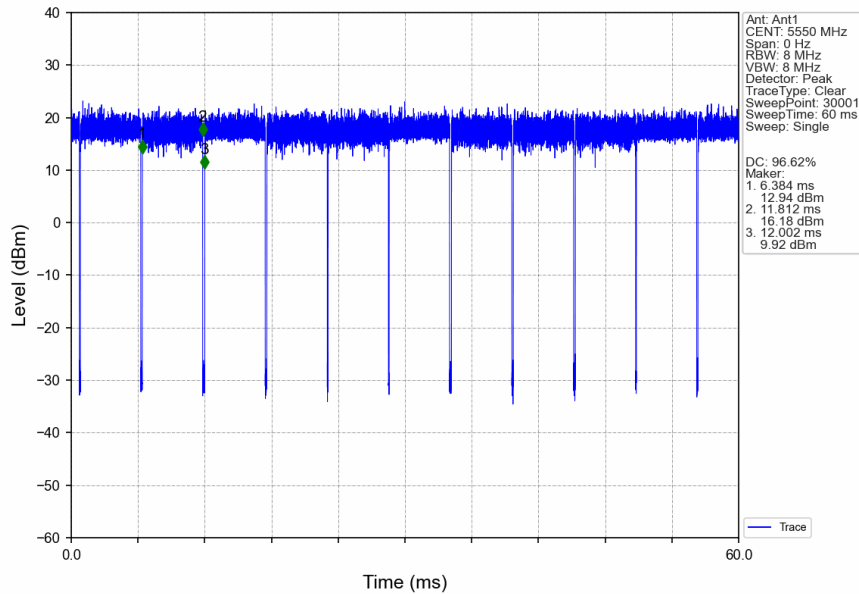
802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



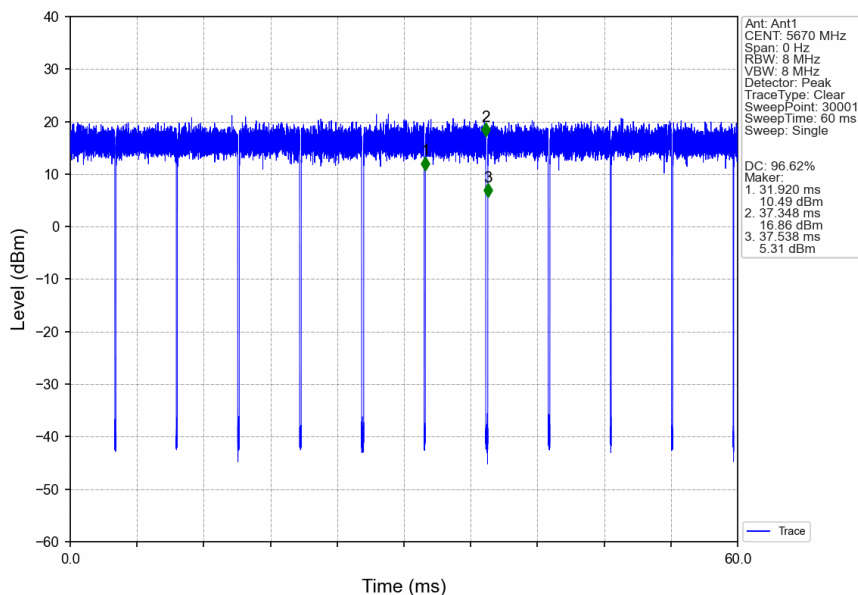
802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



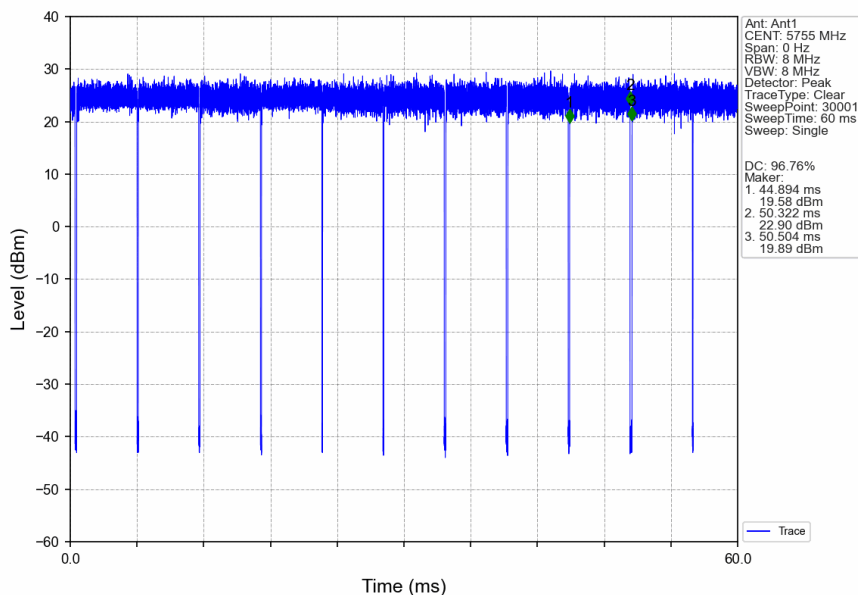
802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



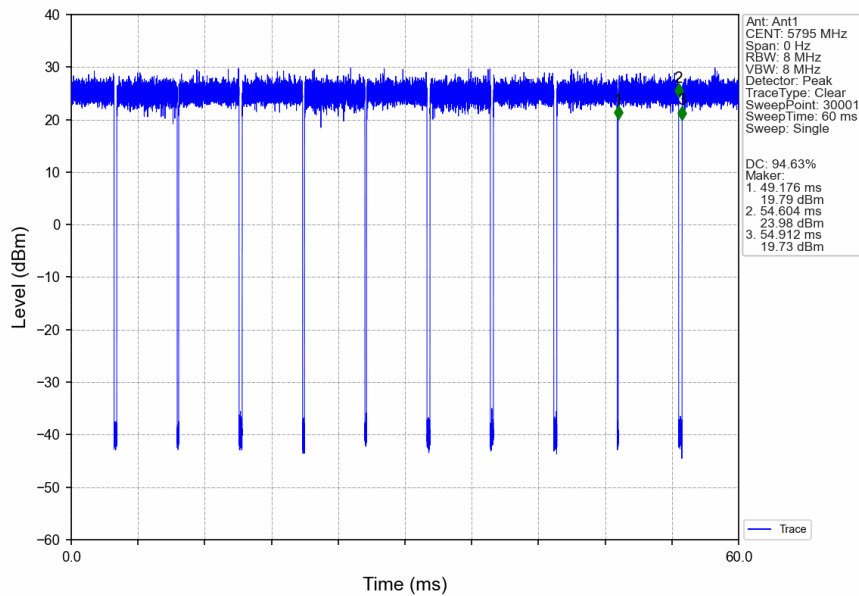
802.11n(HT40)_HCH_5670MHz_Ant1_NTNV



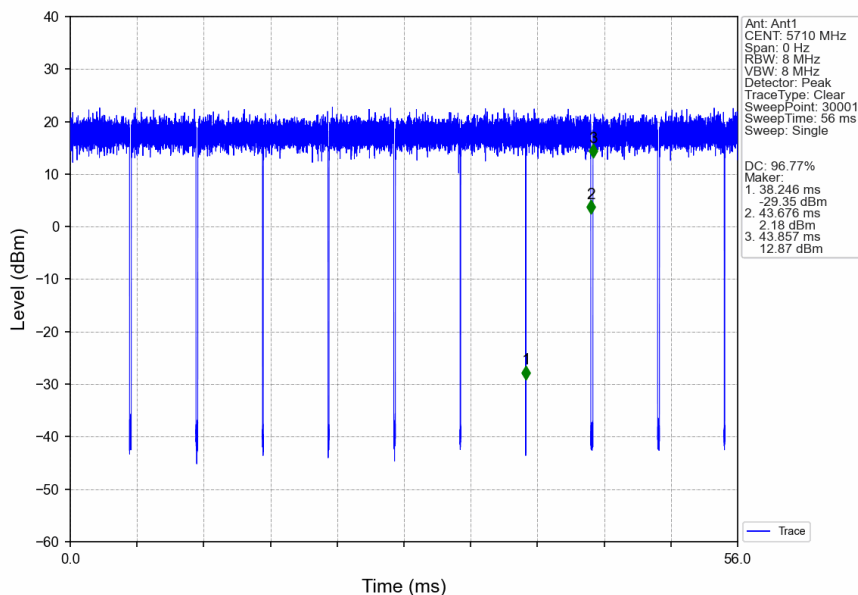
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



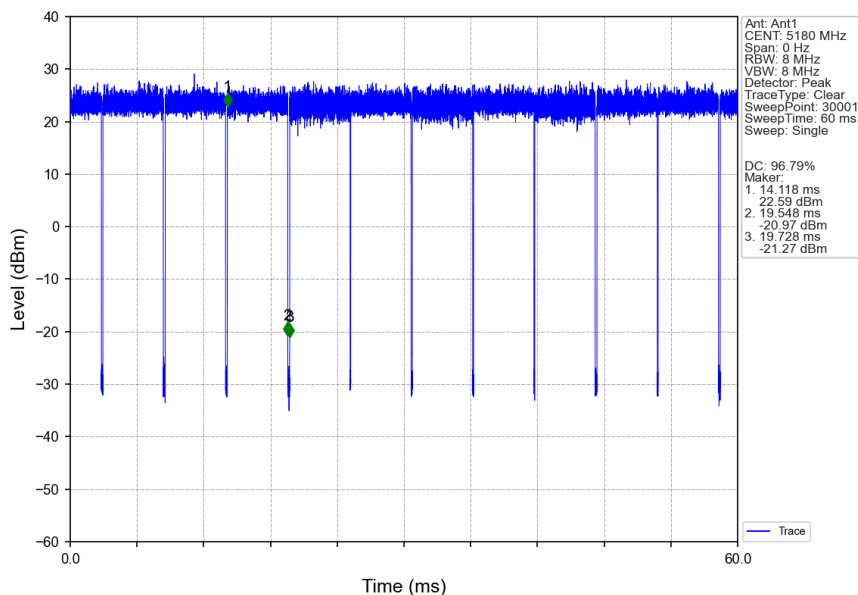
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



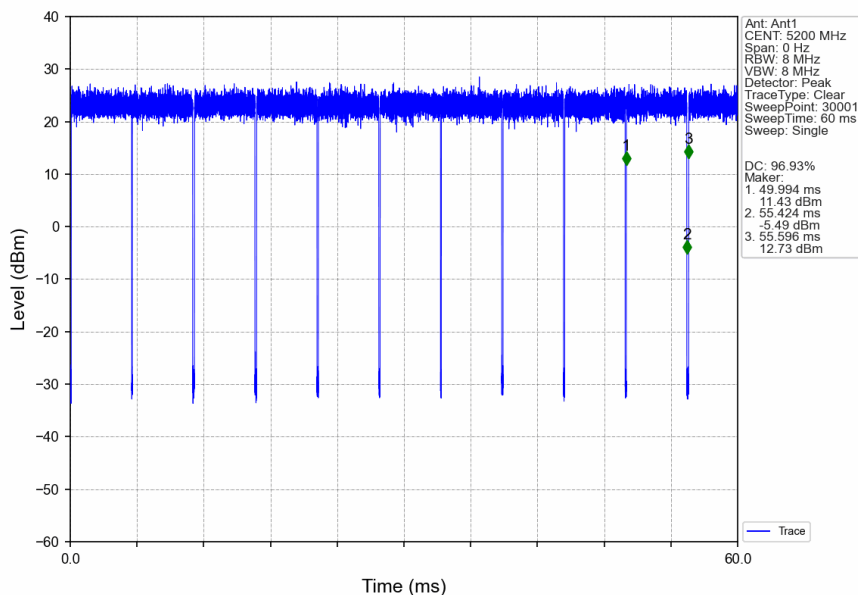
802.11n(HT40)_HCH_5710MHz_Ant1_NTNV



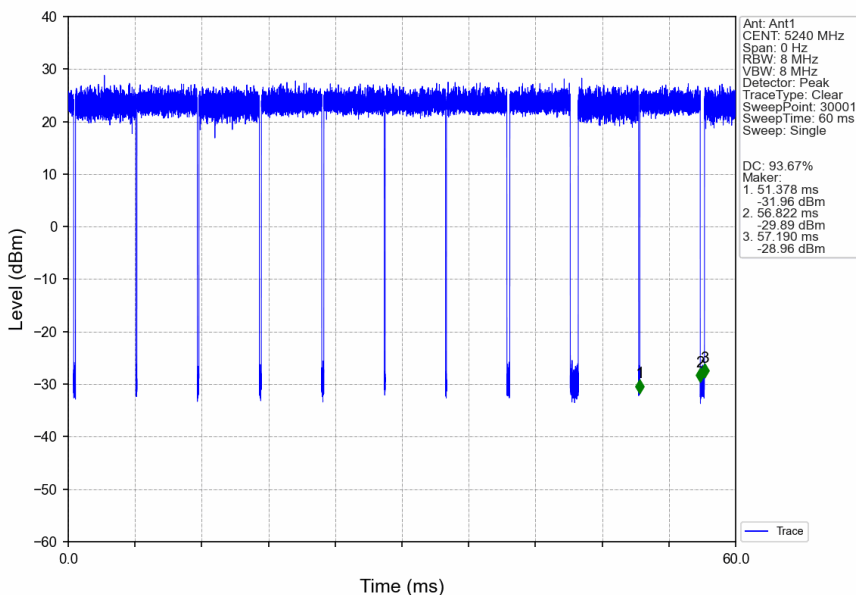
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



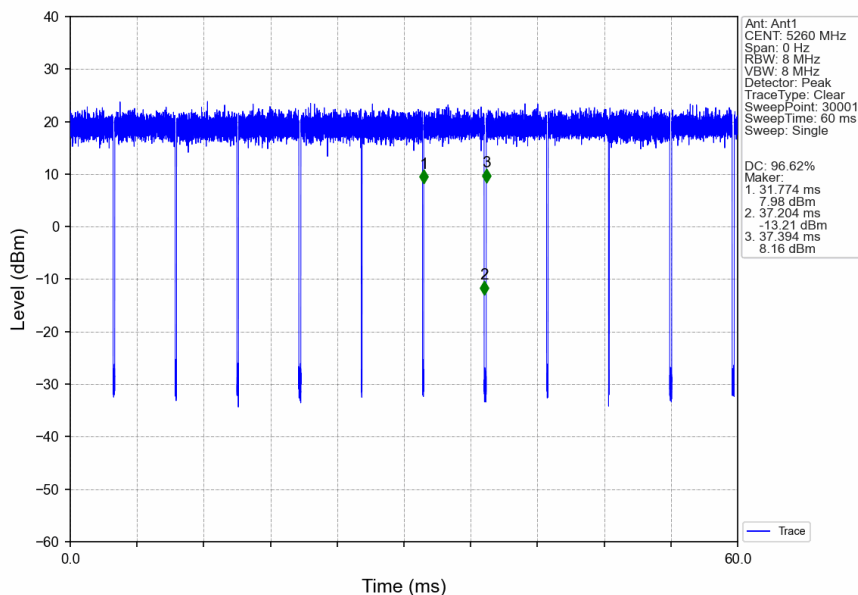
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



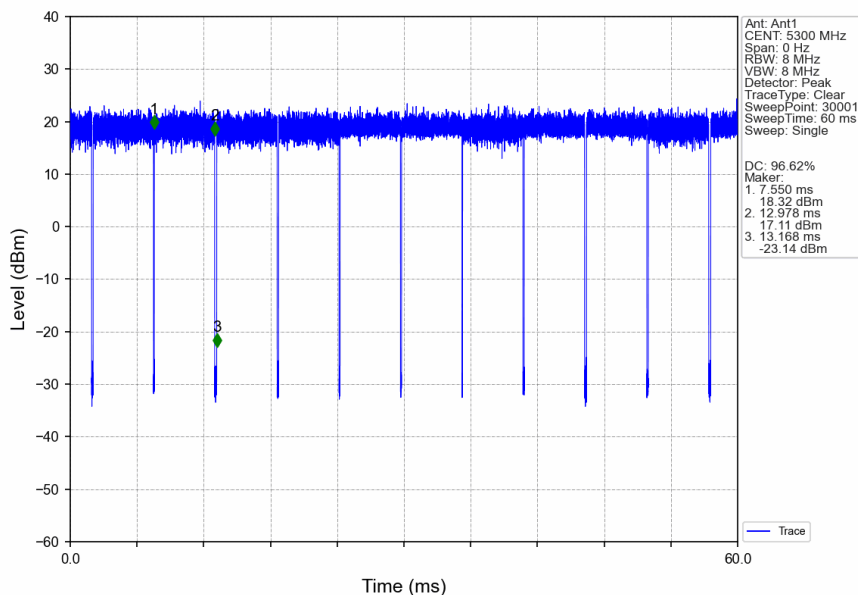
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



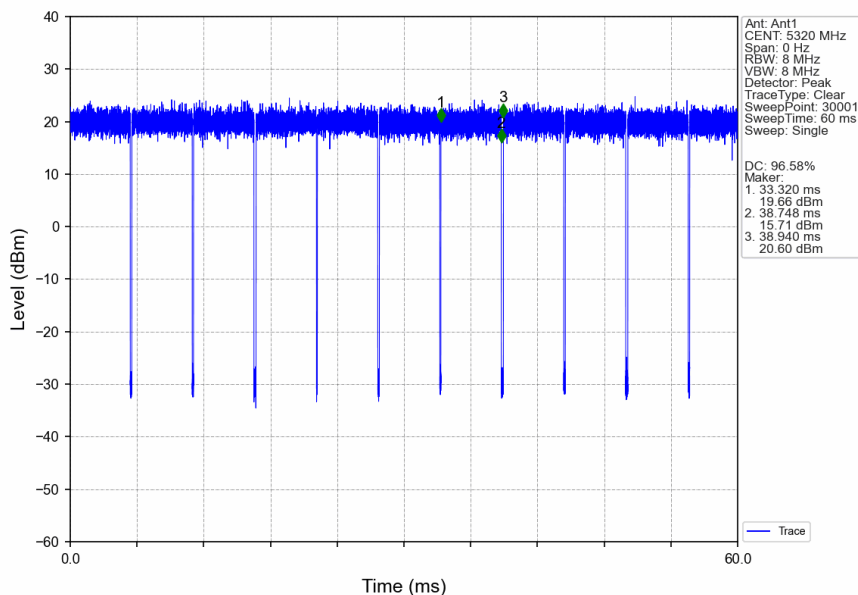
802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV



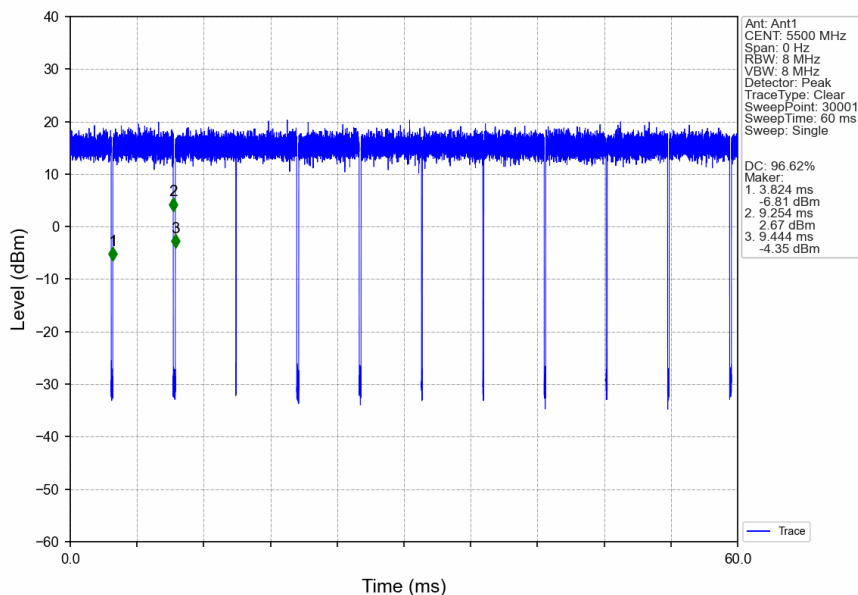
802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV



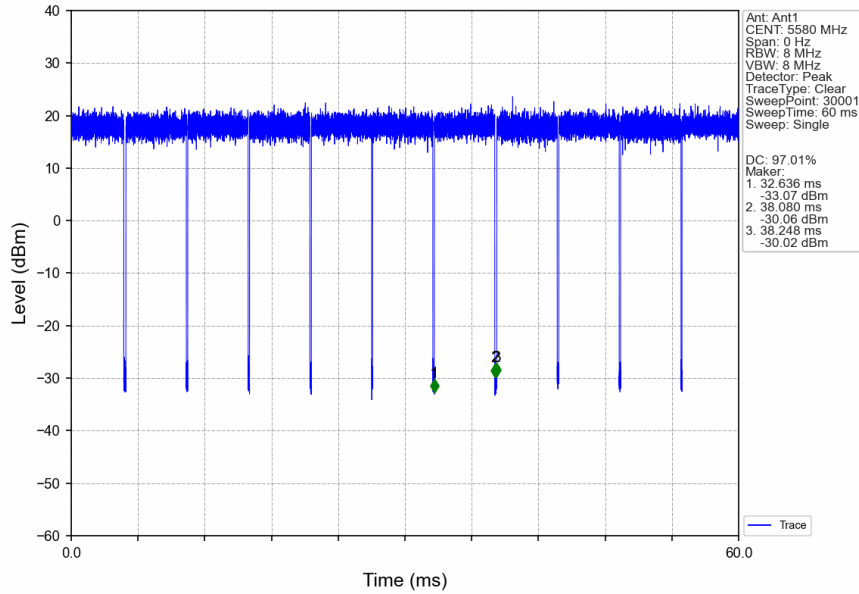
802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



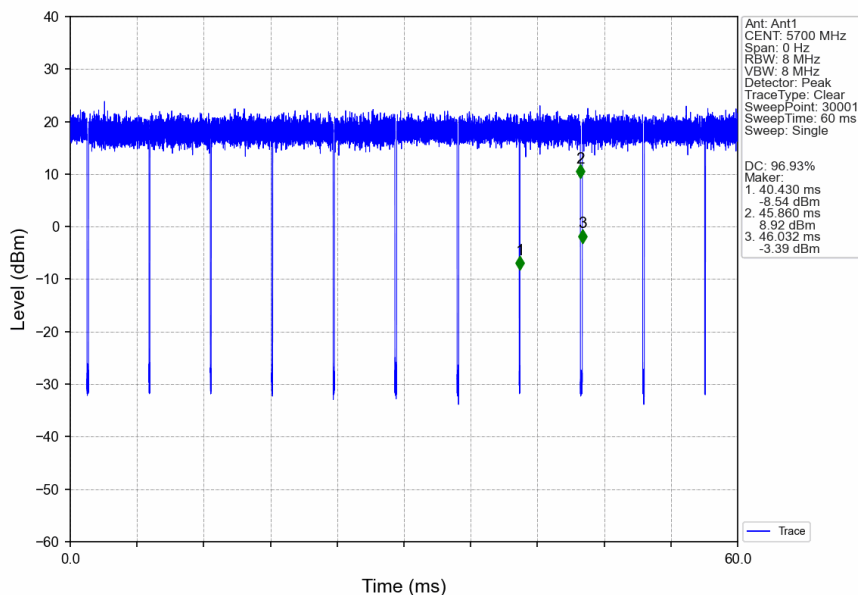
802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV



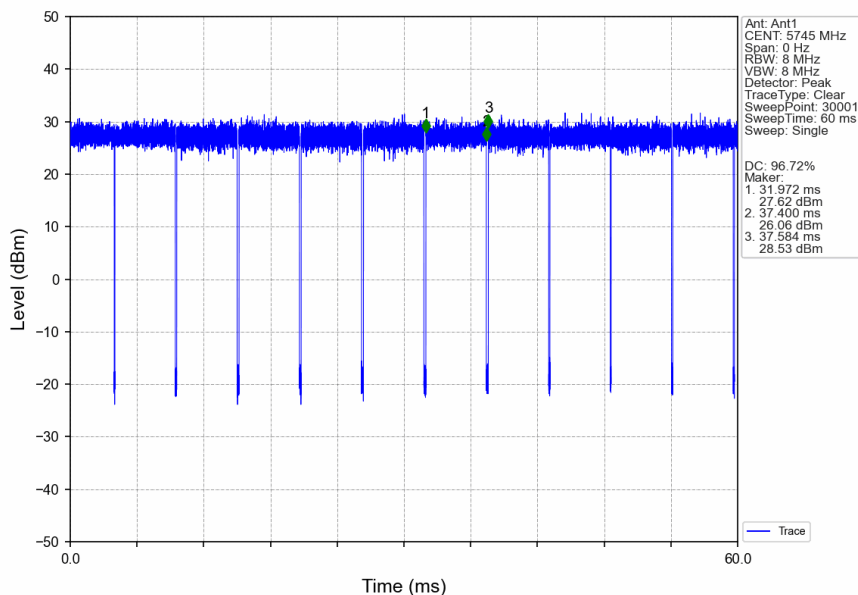
802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



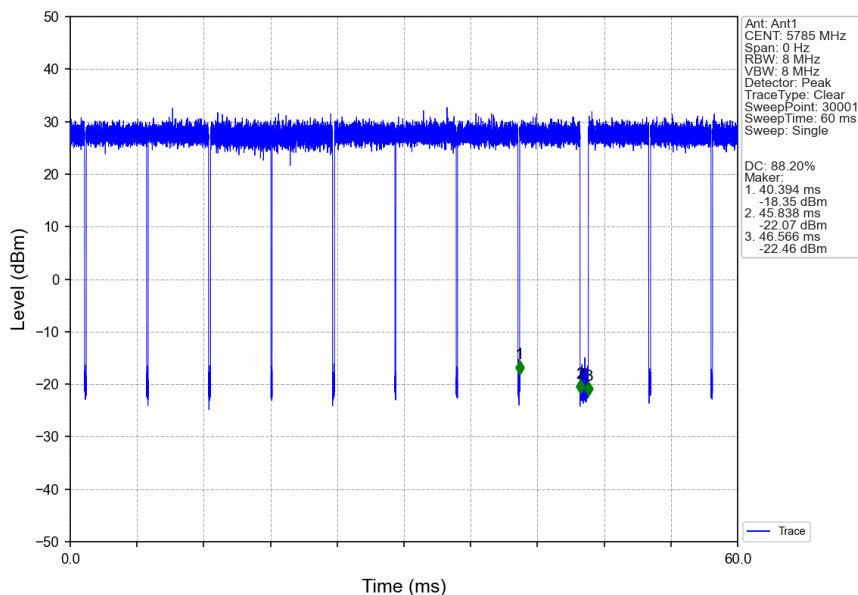
802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



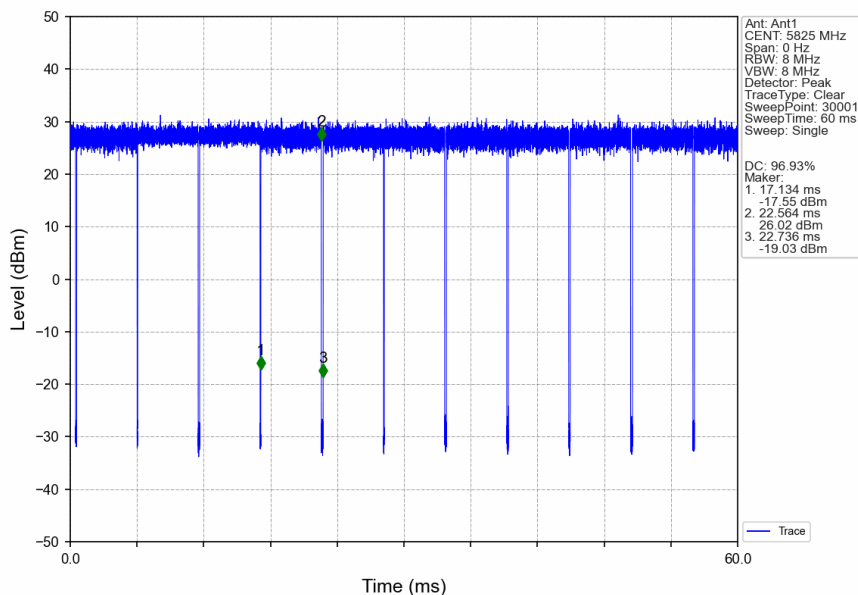
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



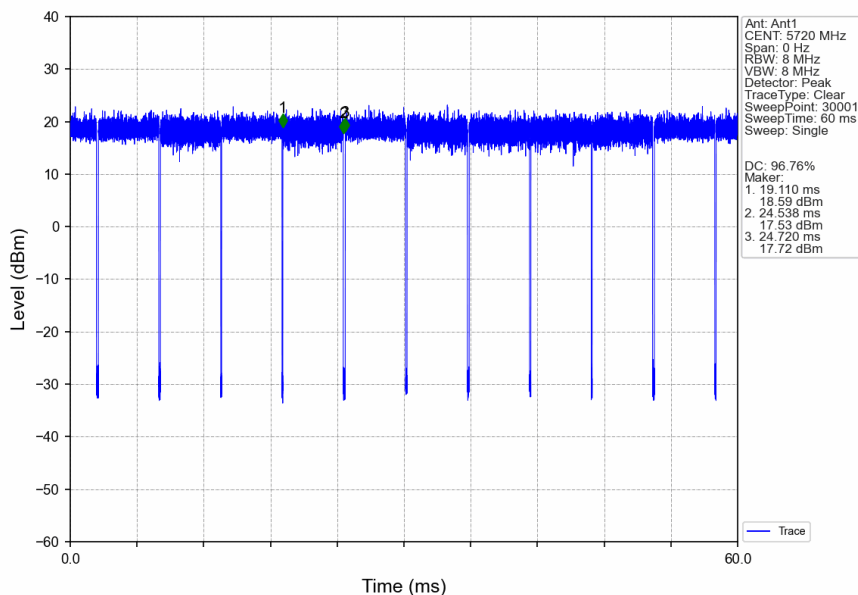
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



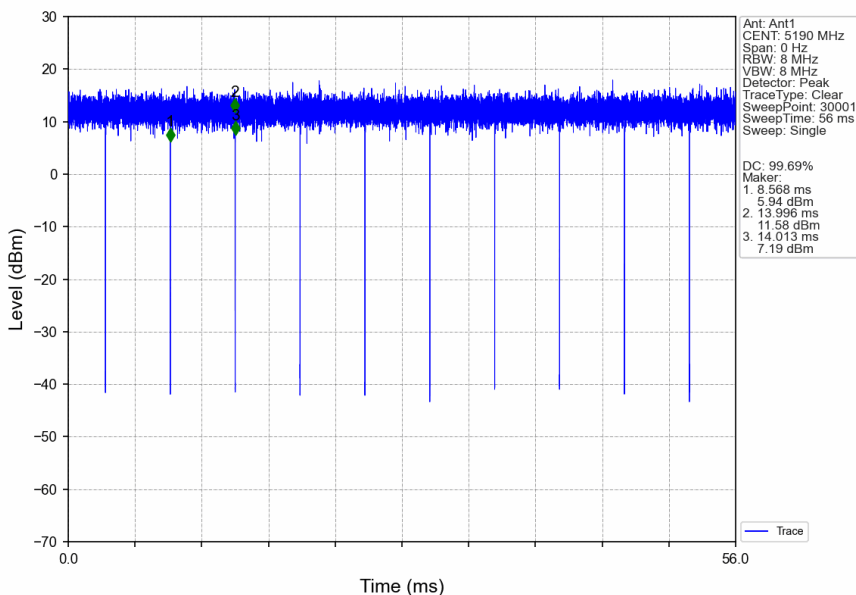
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



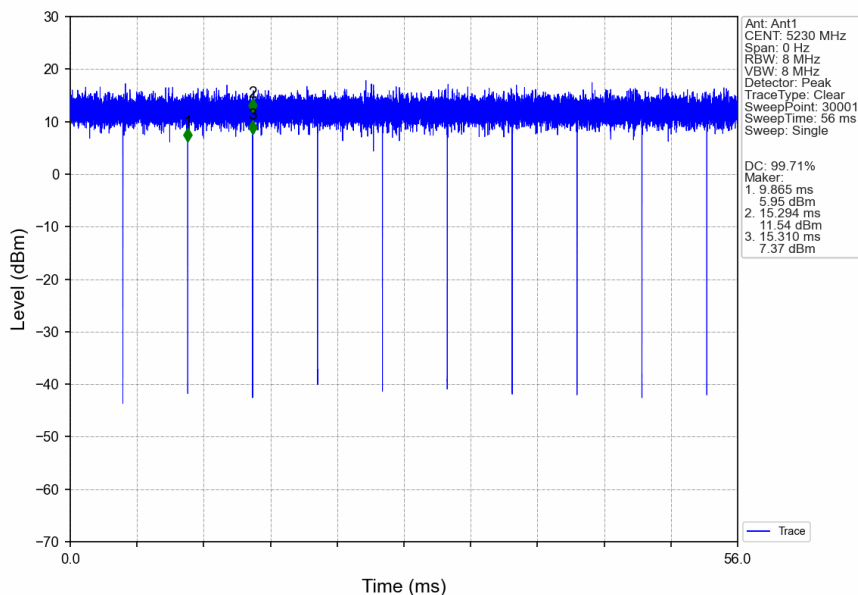
802.11ac(VHT20)_HCH_5720MHz_Ant1_NTNV



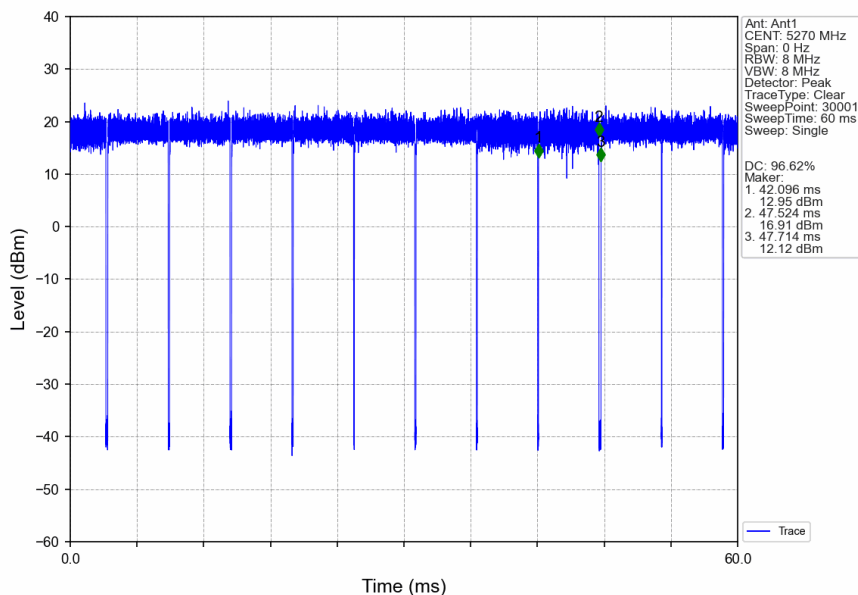
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



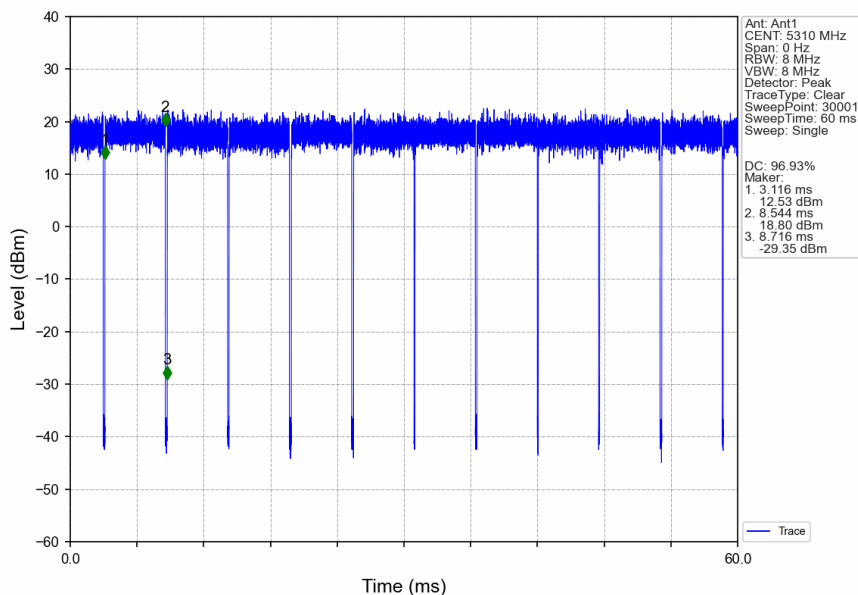
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



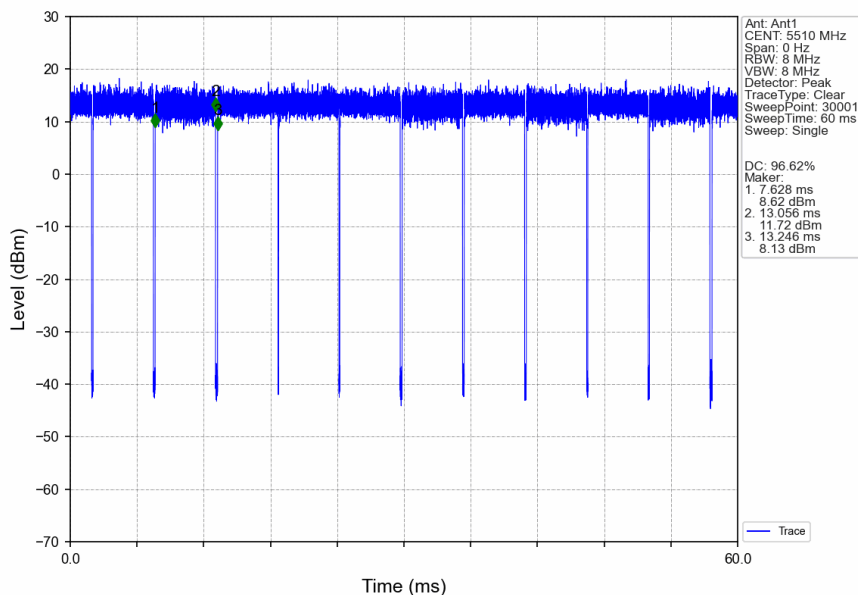
802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV



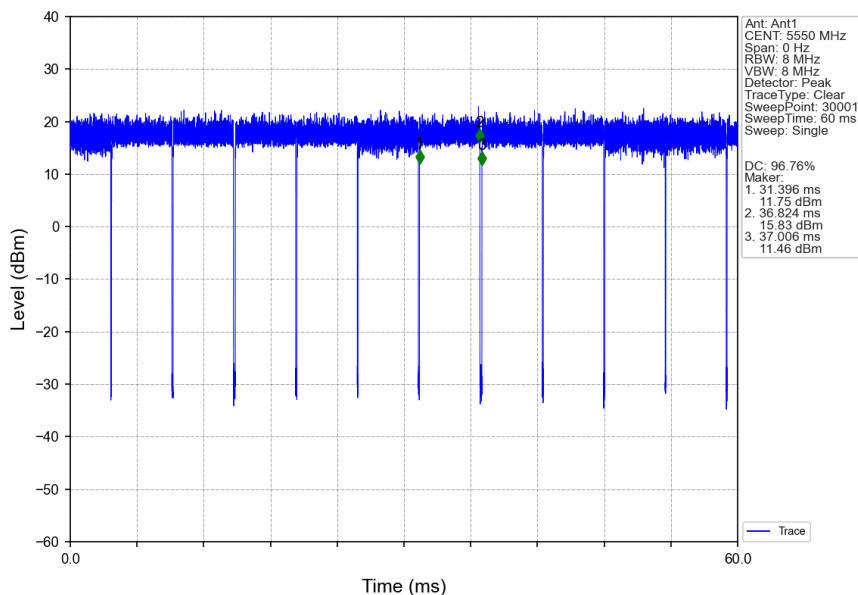
802.11ac(VHT40)_LCH_5510MHz_Ant1_NTNV



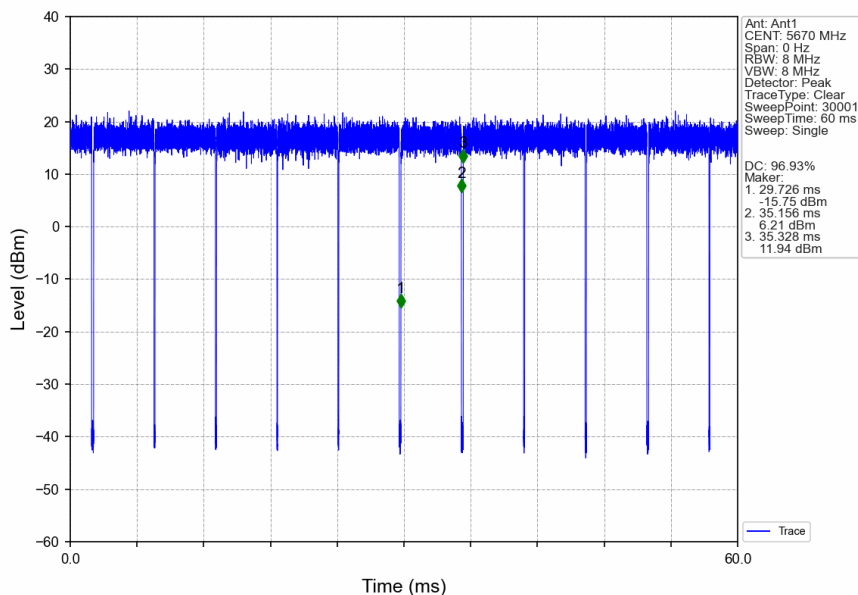
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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

802.11ac(VHT40)_MCH_5550MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV



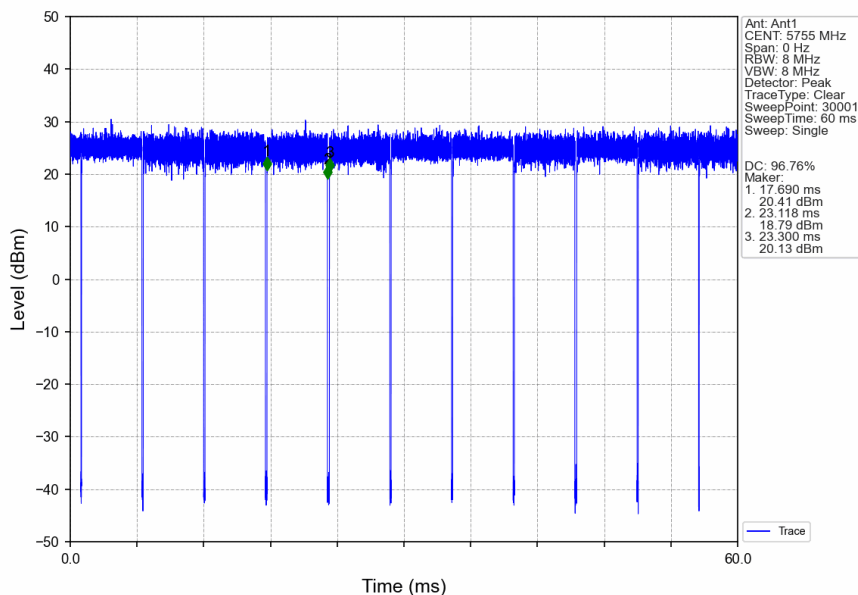
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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

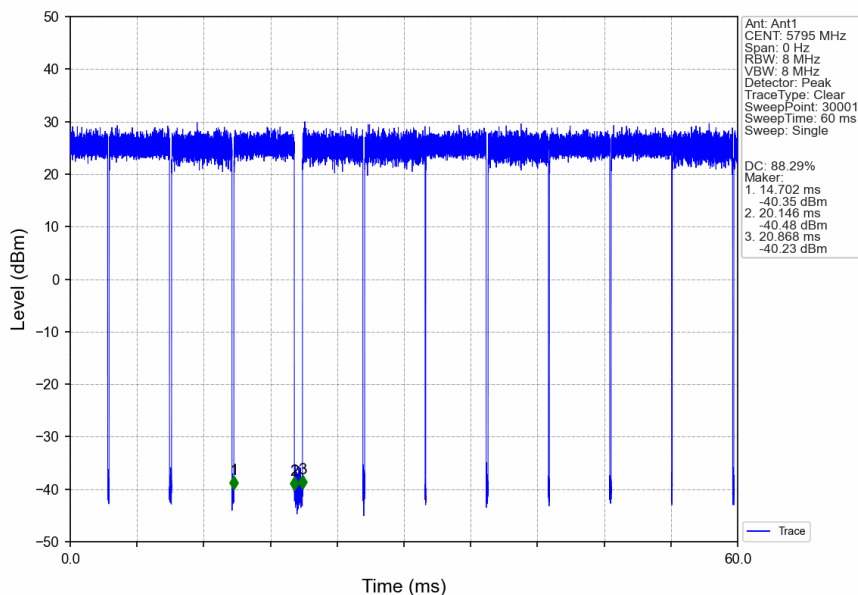
SGS-CSTC Standards Technical Services Co., Ltd.
 Shenzhen Branch Testing & Calibration Laboratory

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

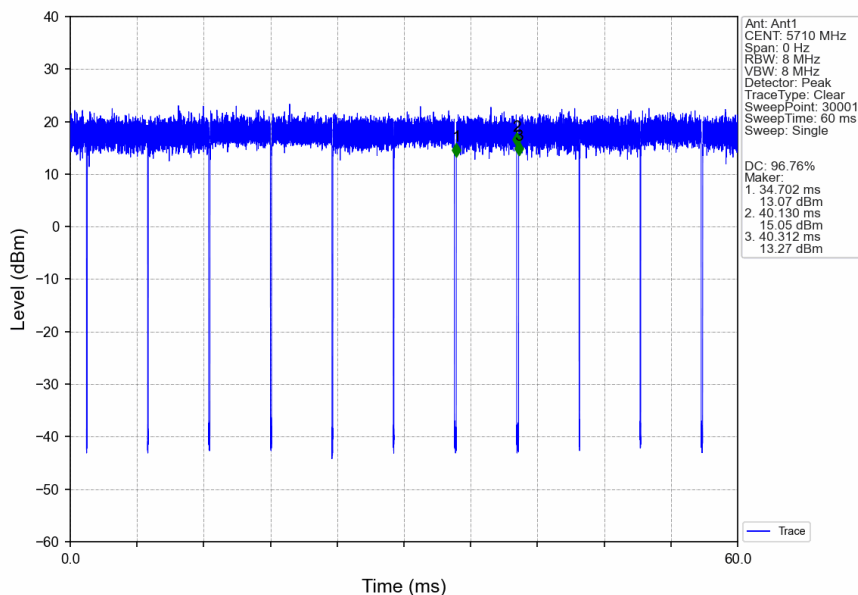
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



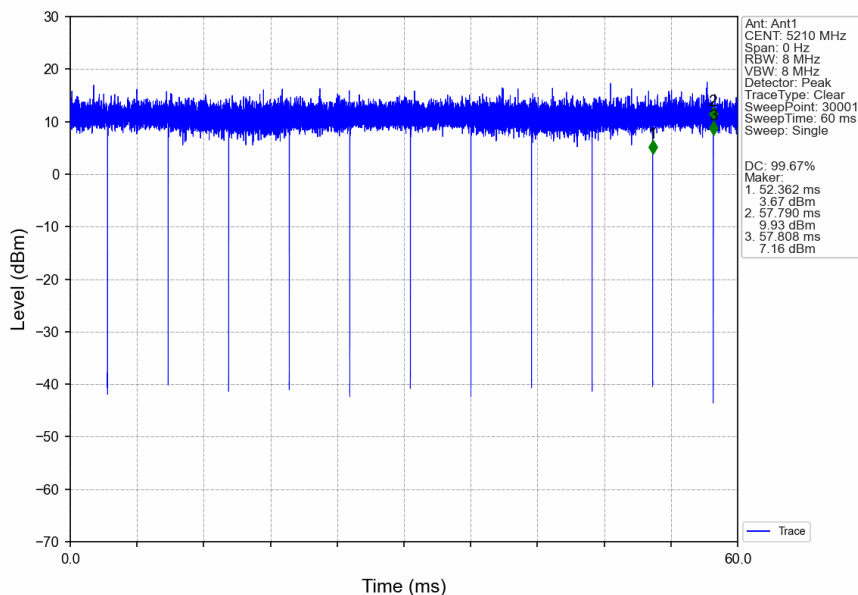
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



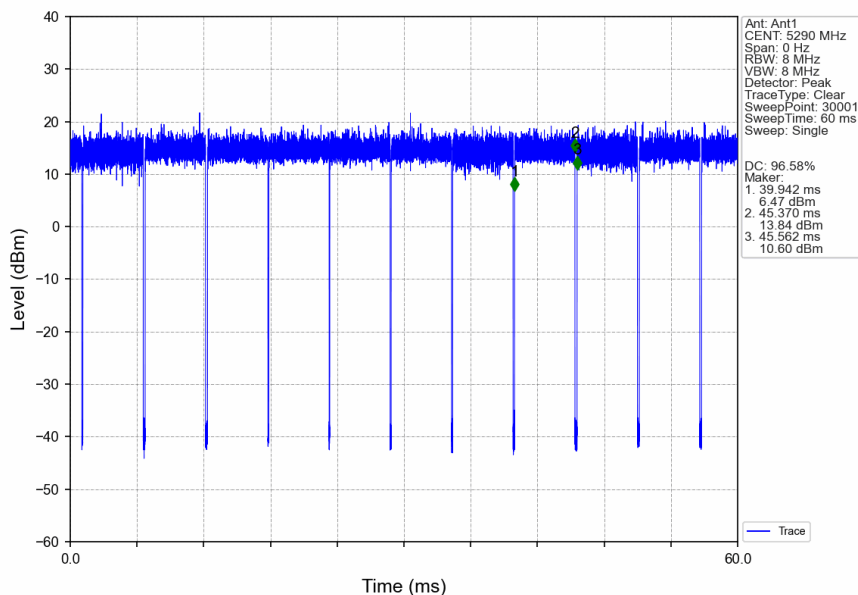
802.11ac(VHT40)_HCH_5710MHz_Ant1_NTNV



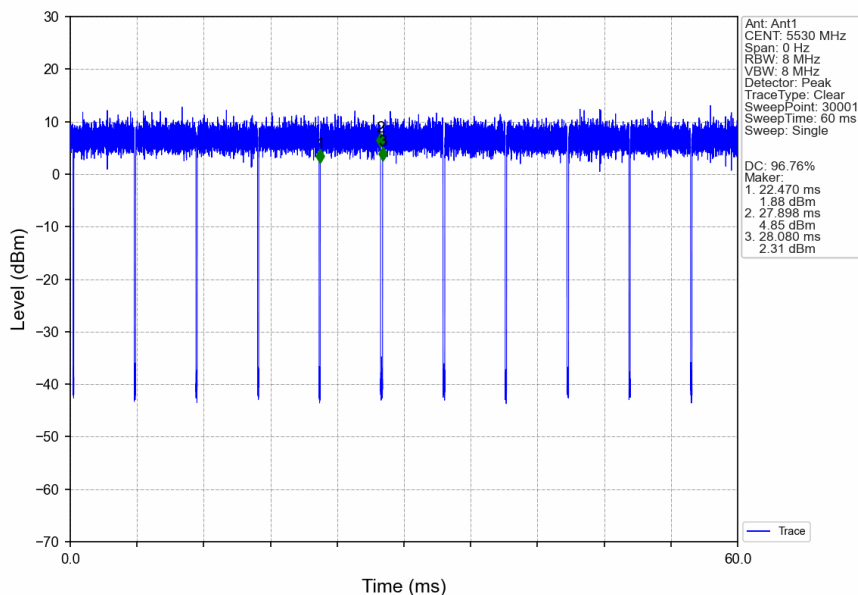
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



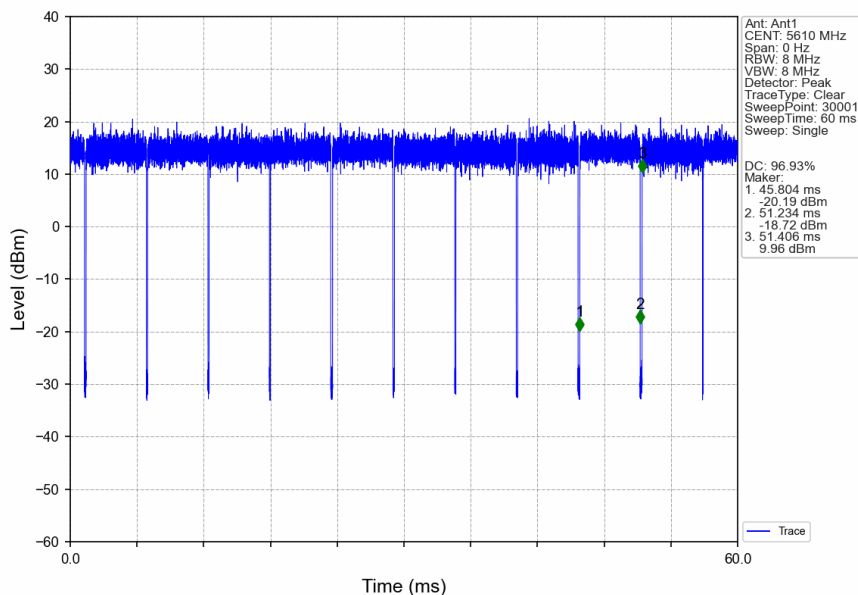
802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



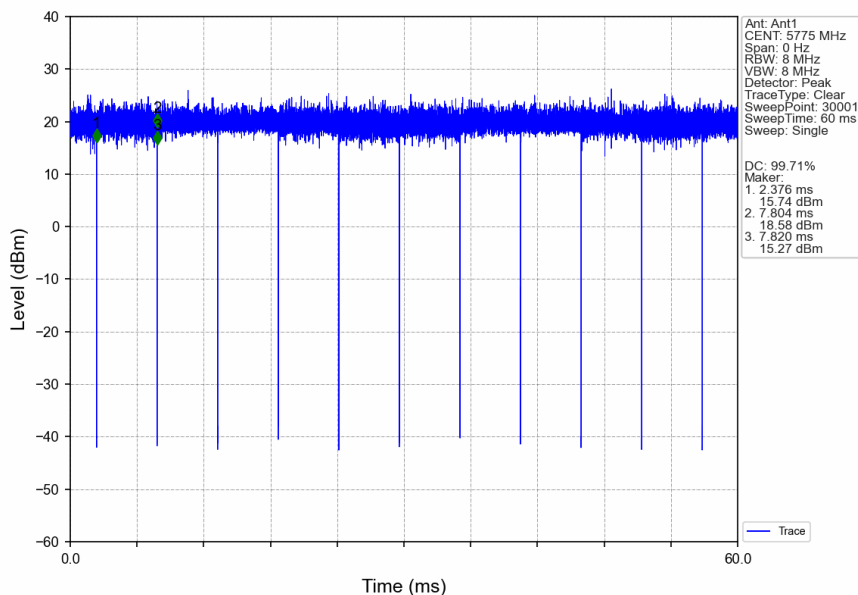
802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



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

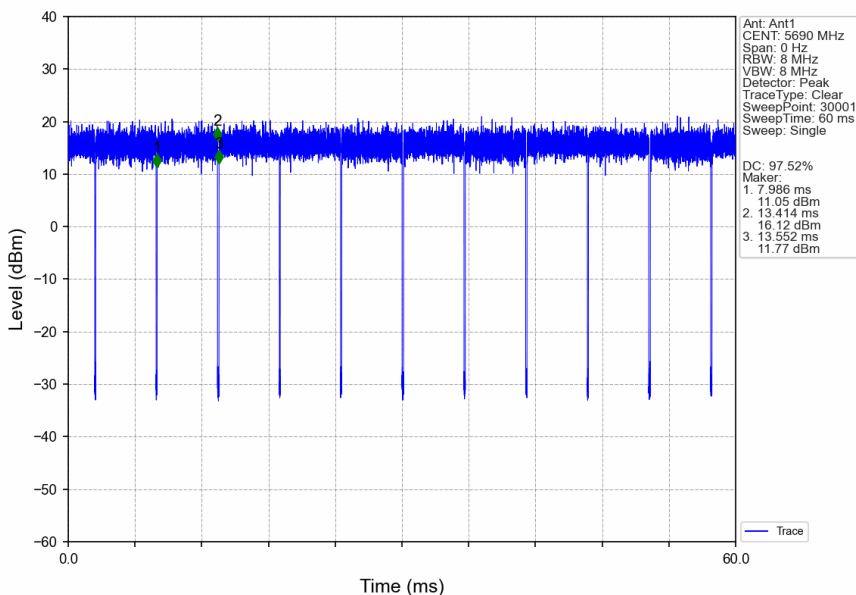
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



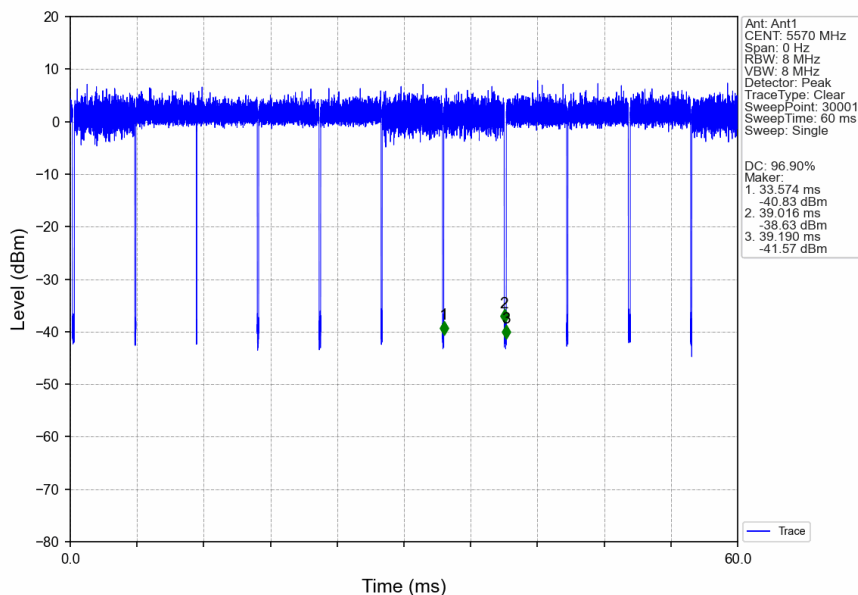
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction 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

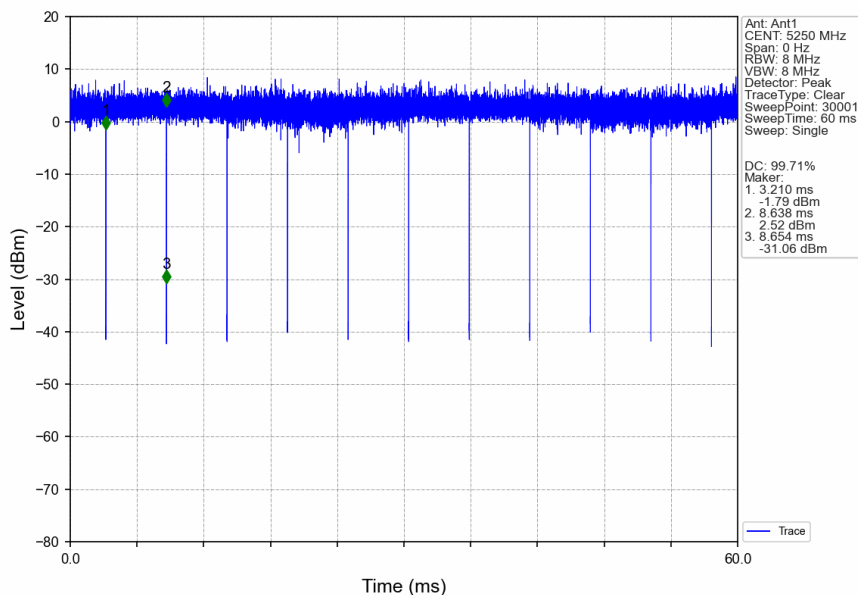
802.11ac(VHT80)_HCH_5690MHz_Ant1_NTNV



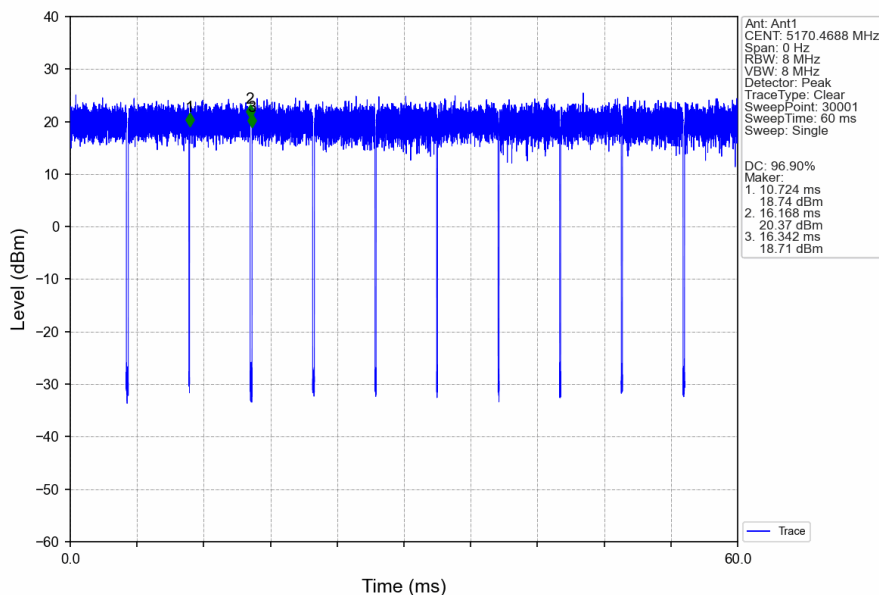
802.11ac(VHT160)_MCH_5570MHz_Ant1_NTNV



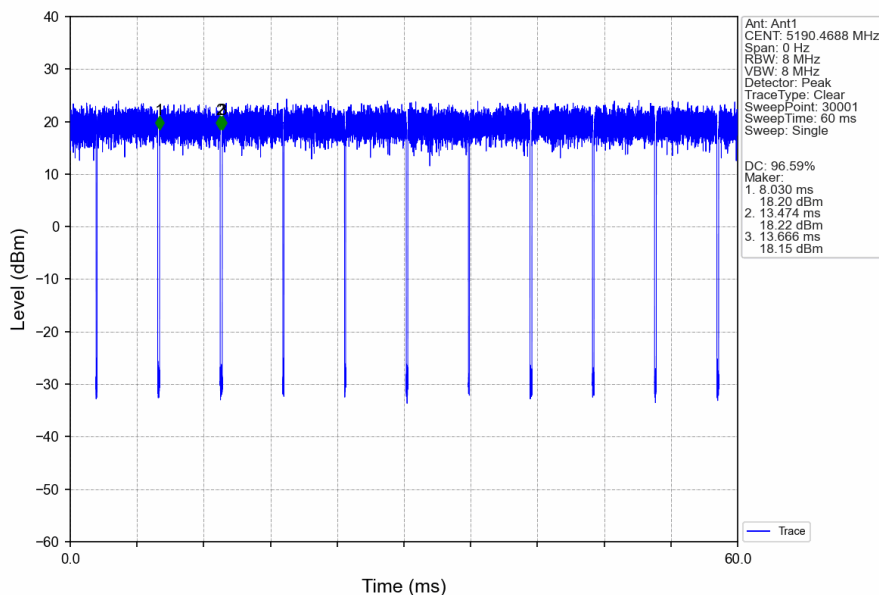
802.11ac(VHT160)_MCH_5250MHz_Ant1_NTNV



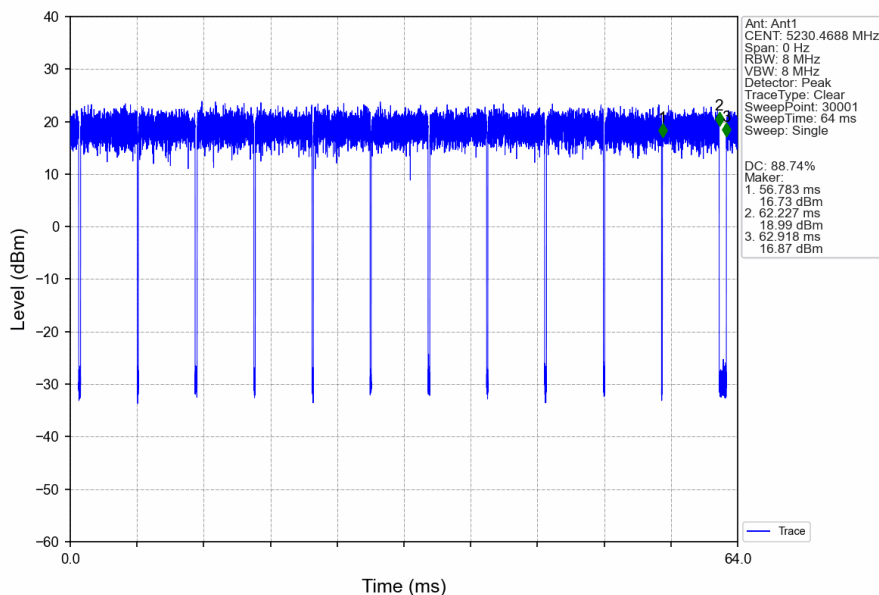
802.11ax(HEW20)_LCH_5180MHz_SU_/_Ant1_NTNV



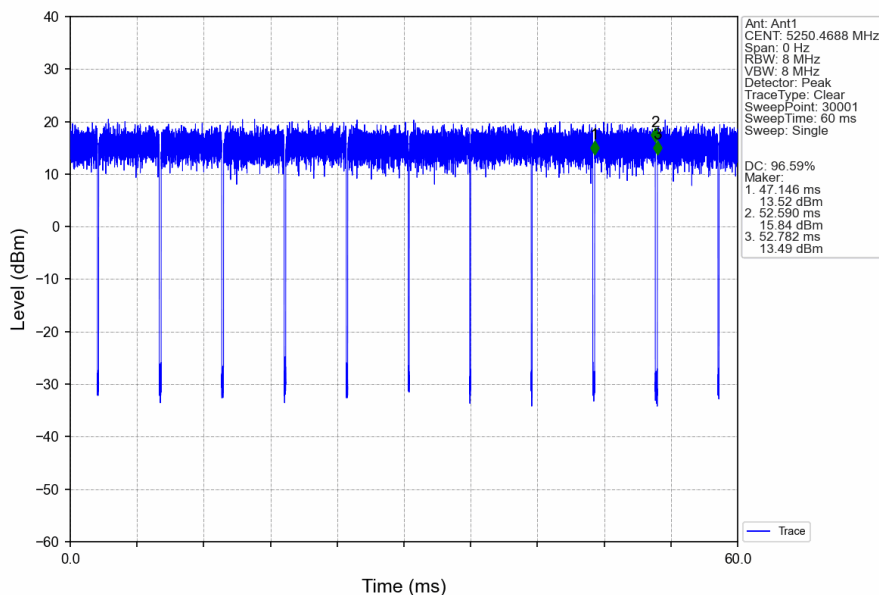
802.11ax(HEW20)_MCH_5200MHz_SU_/_Ant1_NTNV



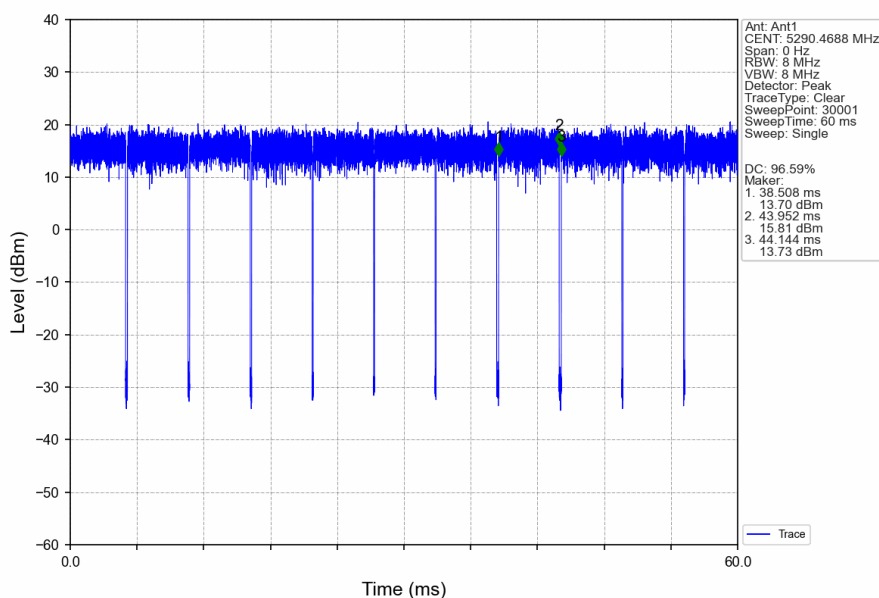
802.11ax(HEW20)_HCH_5240MHz_SU_/_Ant1_NTNV



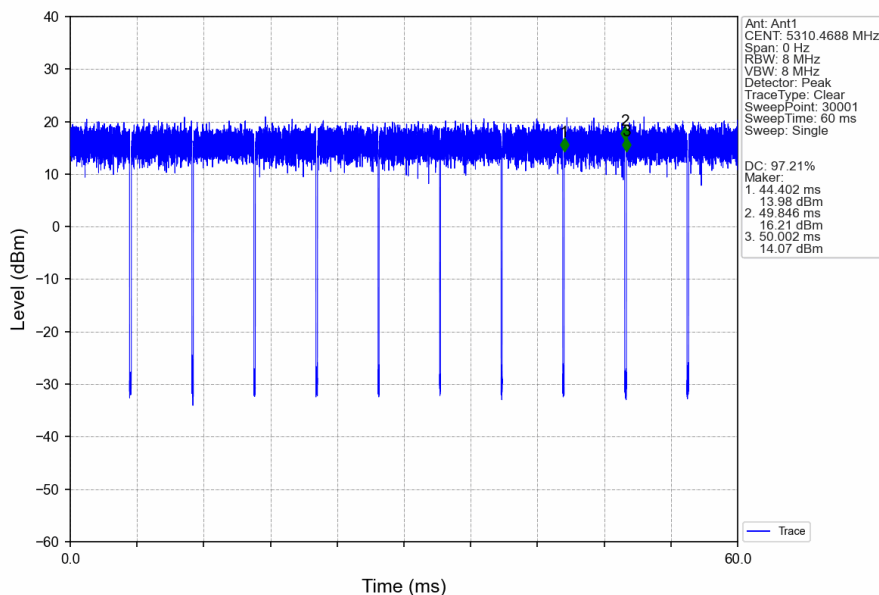
802.11ax(HEW20)_LCH_5260MHz_SU_ / _Ant1_NTNV



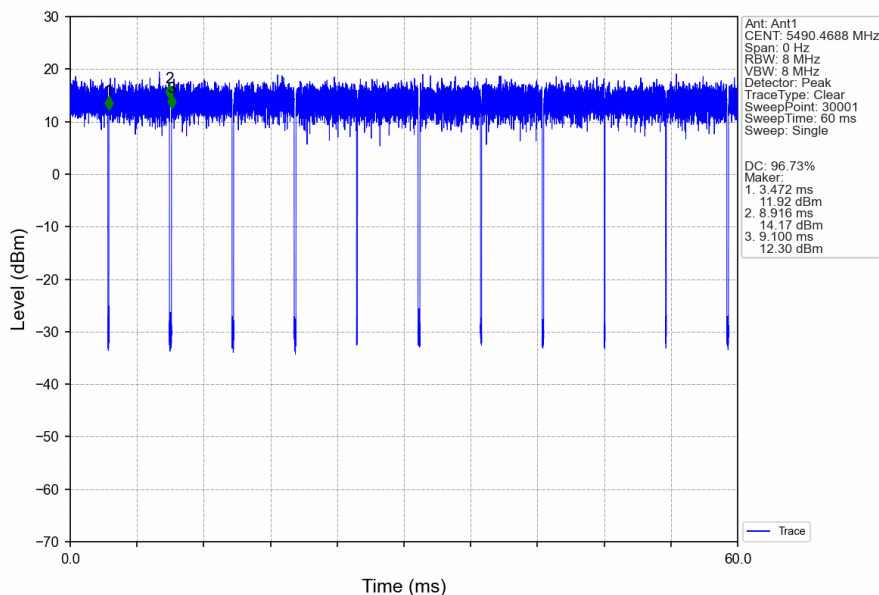
802.11ax(HEW20)_MCH_5300MHz_SU_/_Ant1_NTNV



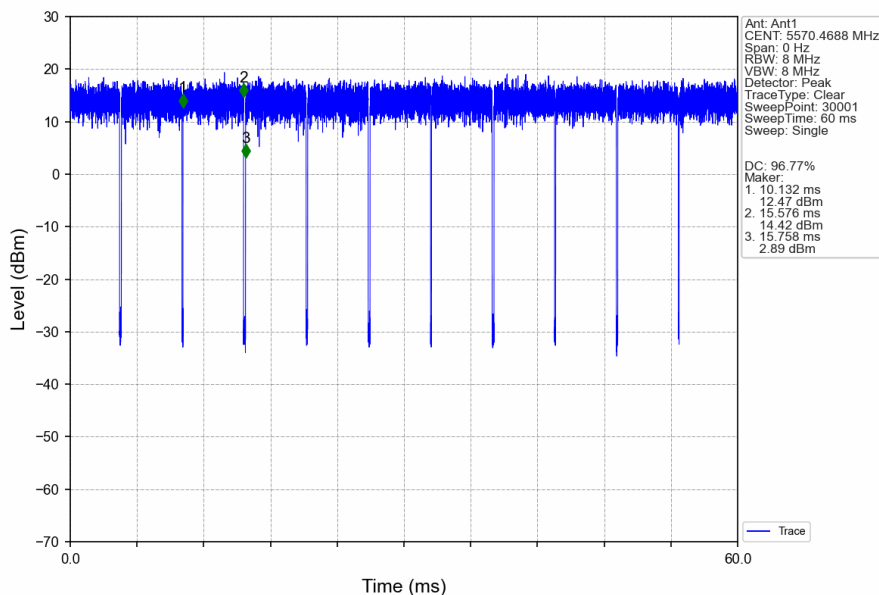
802.11ax(HEW20)_HCH_5320MHz_SU_/_Ant1_NTNV



802.11ax(HEW20)_LCH_5500MHz_SU_/_Ant1_NTNV



802.11ax(HEW20)_MCH_5580MHz_SU_/_Ant1_NTNV



802.11ax(HEW20)_HCH_5700MHz_SU_/_Ant1_NTNV

