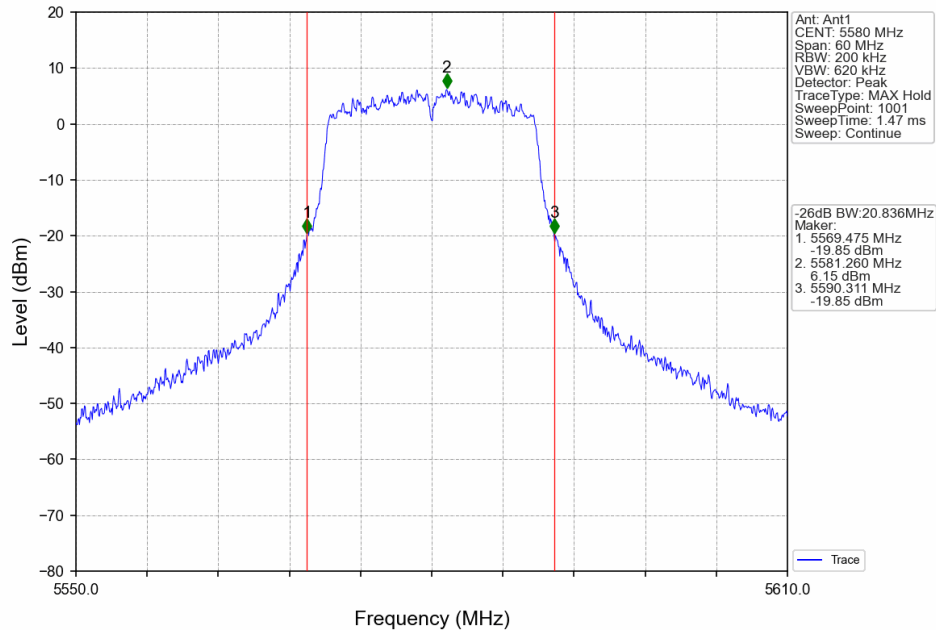
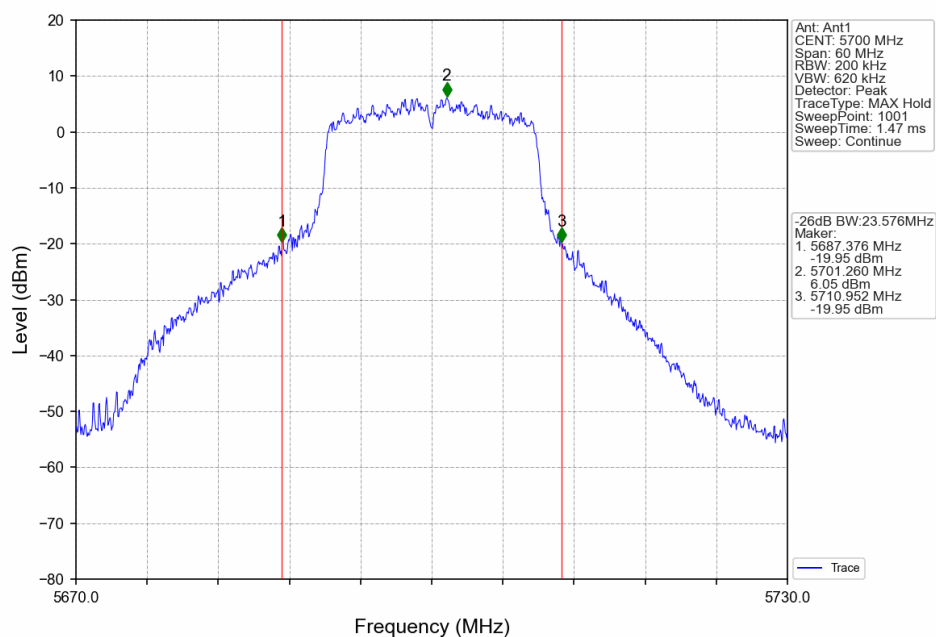


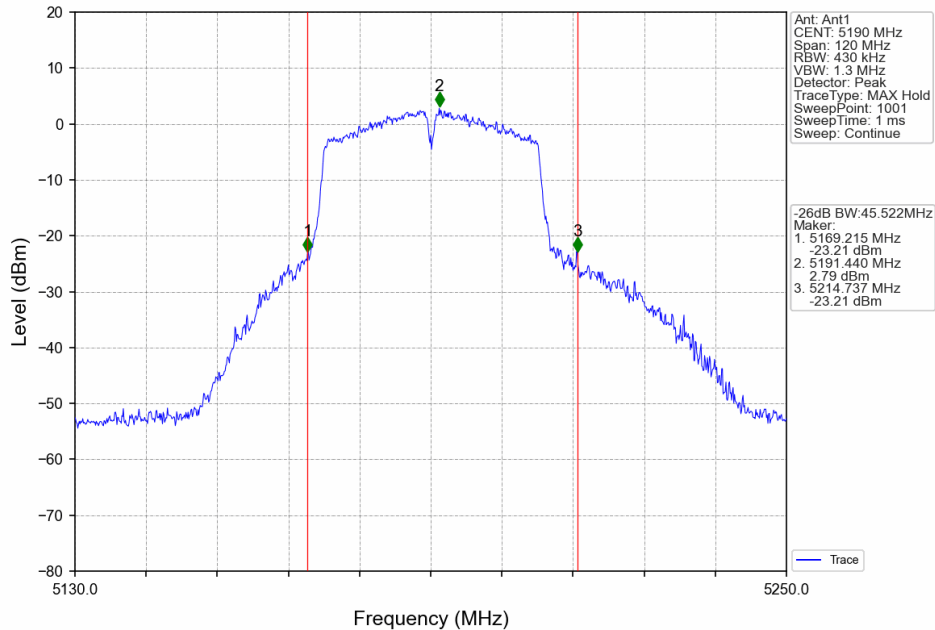
### 802.11ac(VHT20)\_MCH\_5580MHz\_Ant1\_NTNV



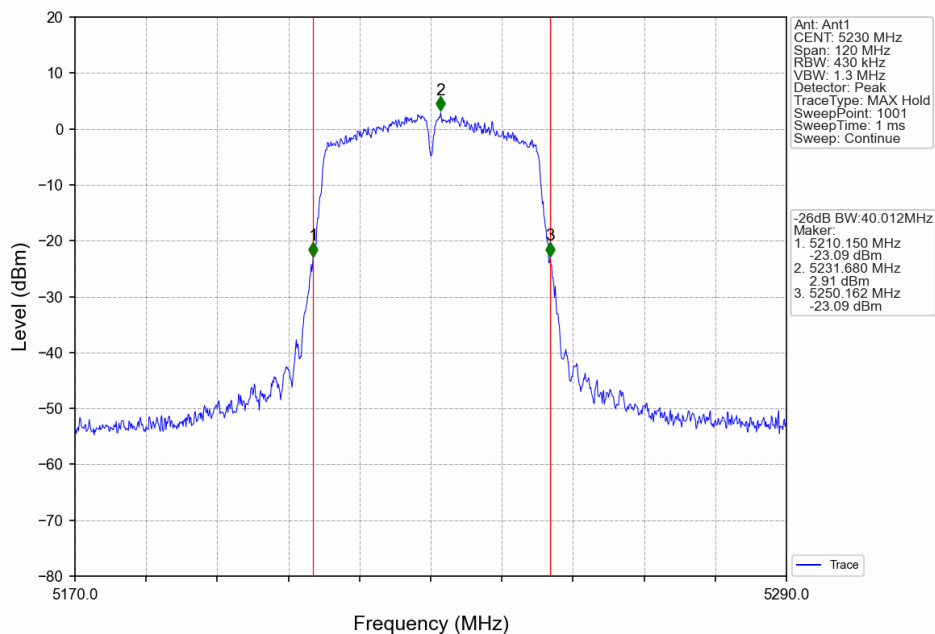
### 802.11ac(VHT20)\_HCH\_5700MHz\_Ant1\_NTNV



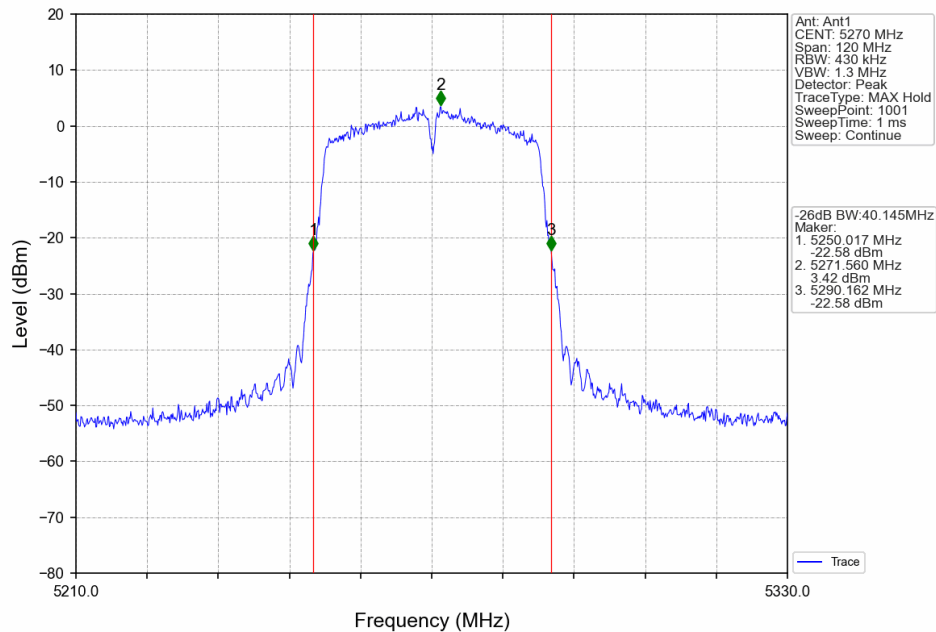
### 802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV



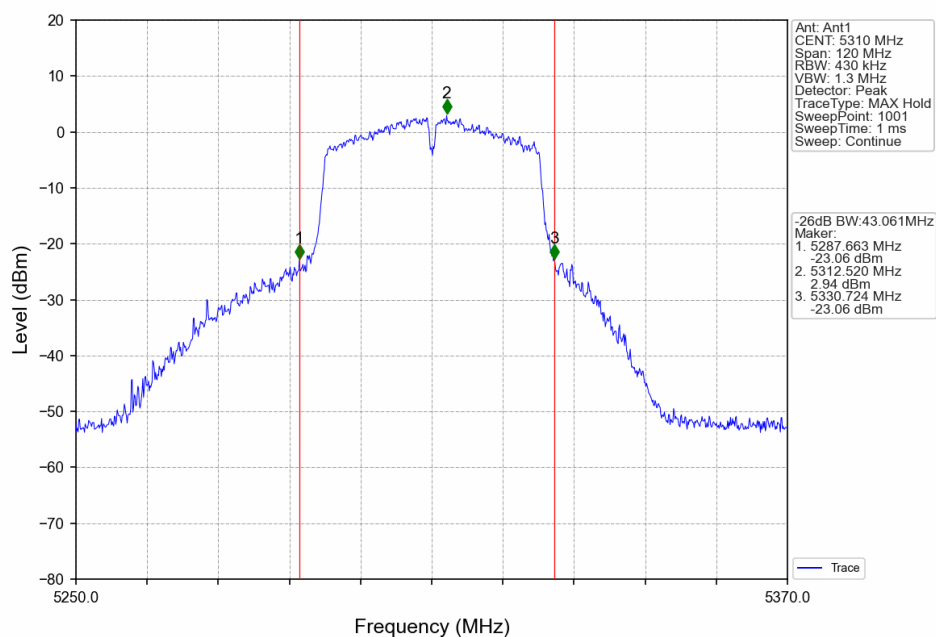
### 802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



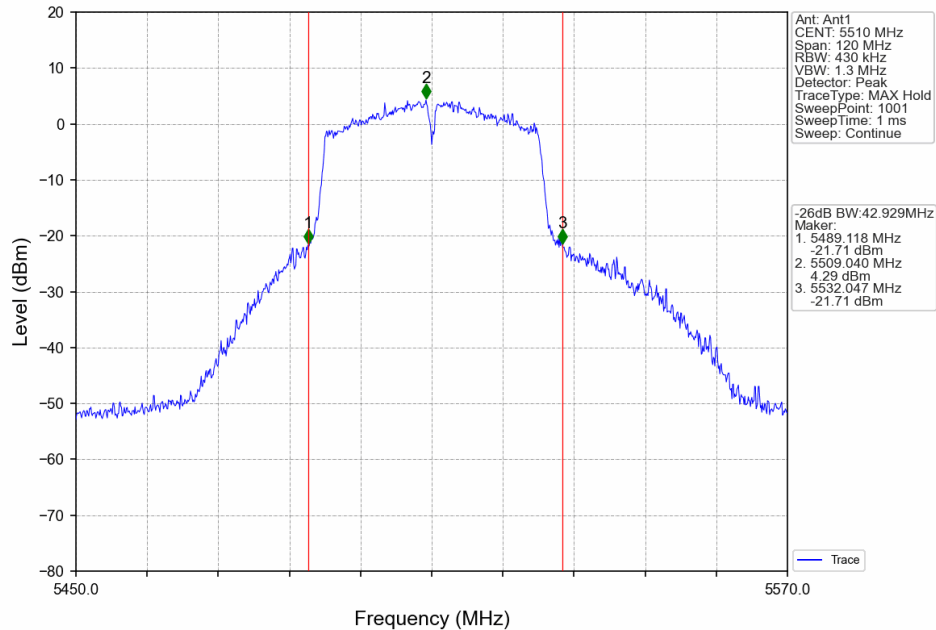
### 802.11ac(VHT40)\_LCH\_5270MHz\_Ant1\_NTNV



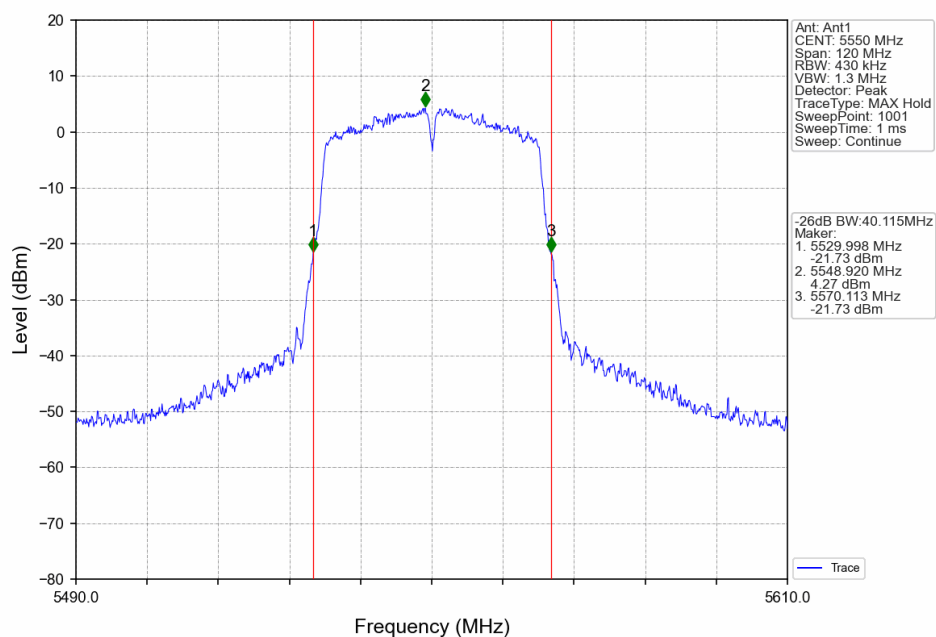
### 802.11ac(VHT40)\_HCH\_5310MHz\_Ant1\_NTNV



### 802.11ac(VHT40)\_LCH\_5510MHz\_Ant1\_NTNV

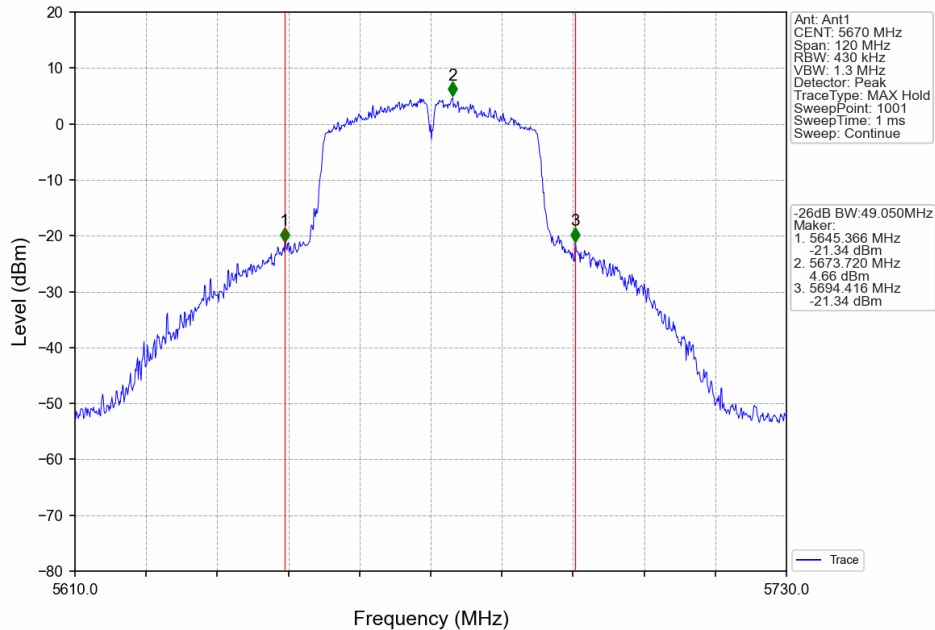


### 802.11ac(VHT40)\_MCH\_5550MHz\_Ant1\_NTNV

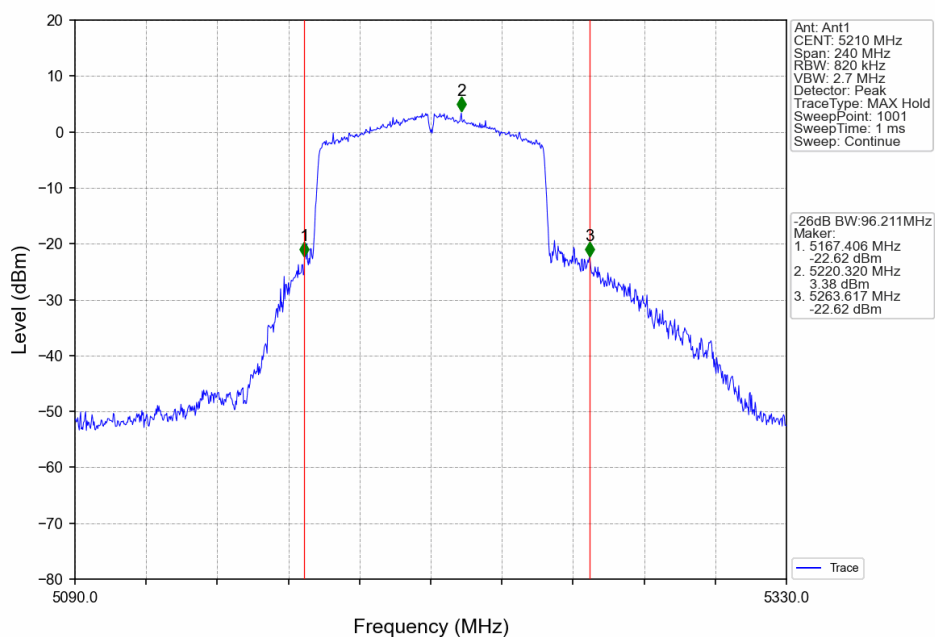




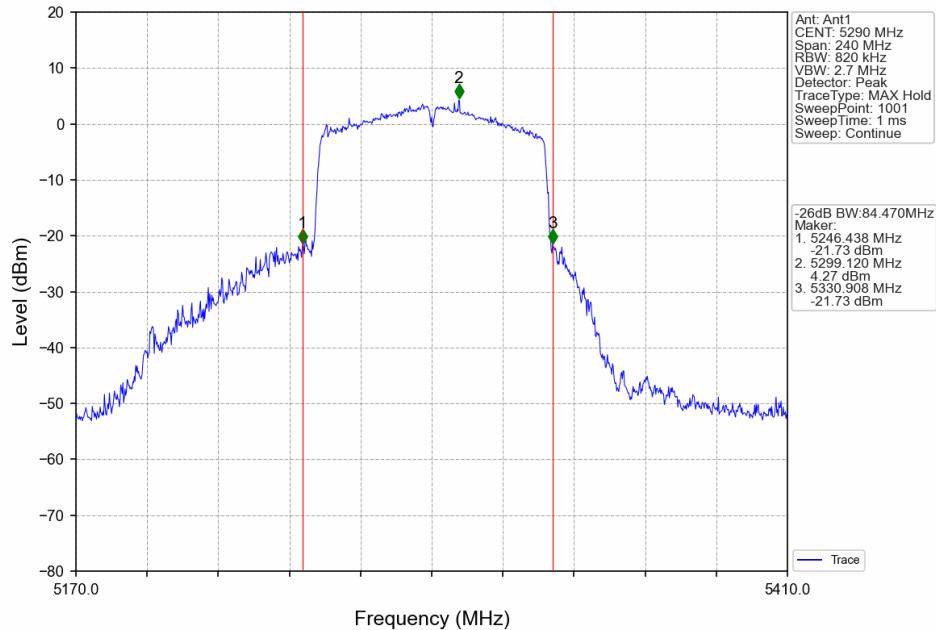
### 802.11ac(VHT40)\_HCH\_5670MHz\_Ant1\_NTNV



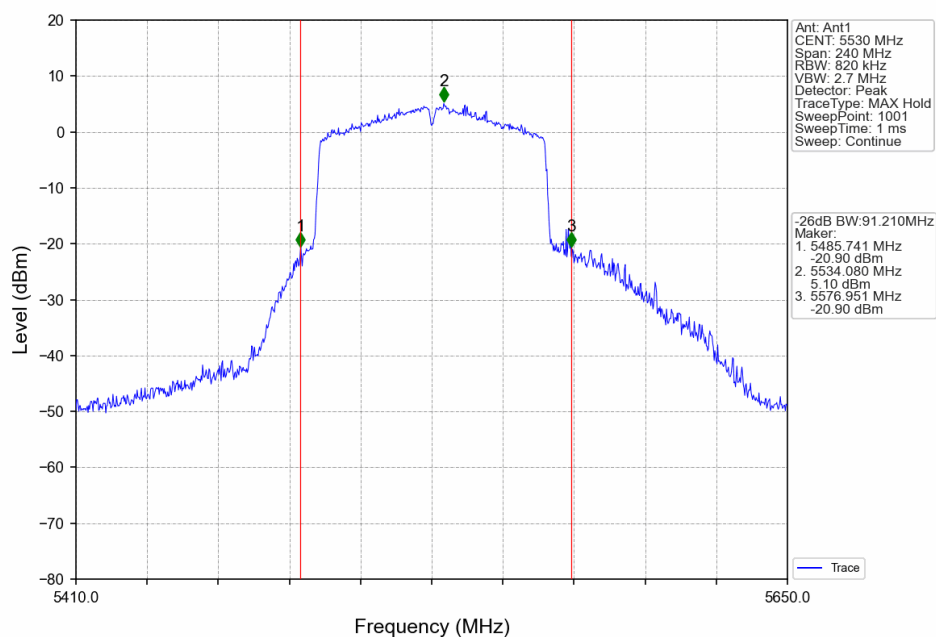
### 802.11ac(VHT80)\_MCH\_5210MHz\_Ant1\_NTNV



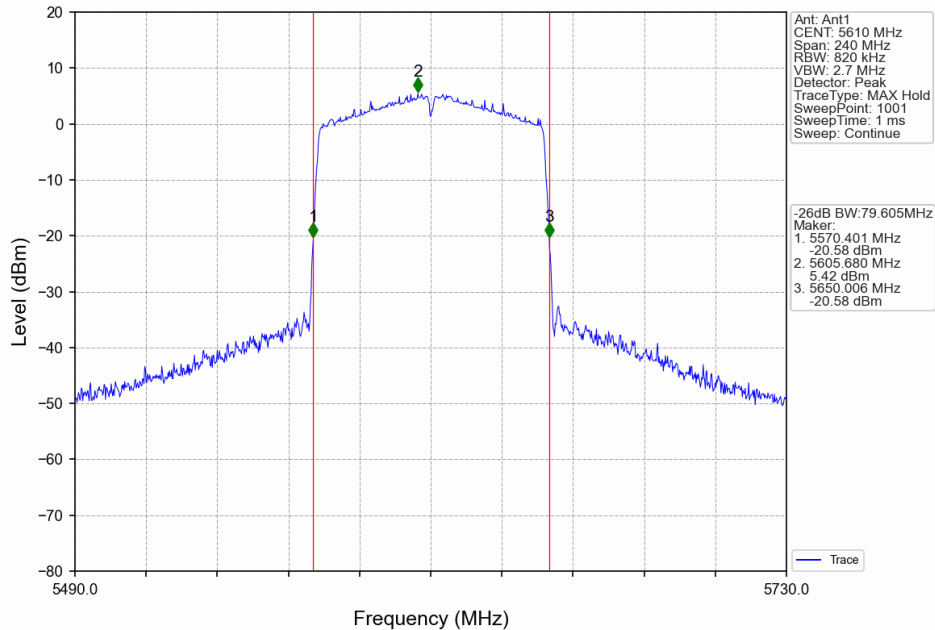
### 802.11ac(VHT80)\_MCH\_5290MHz\_Ant1\_NTNV



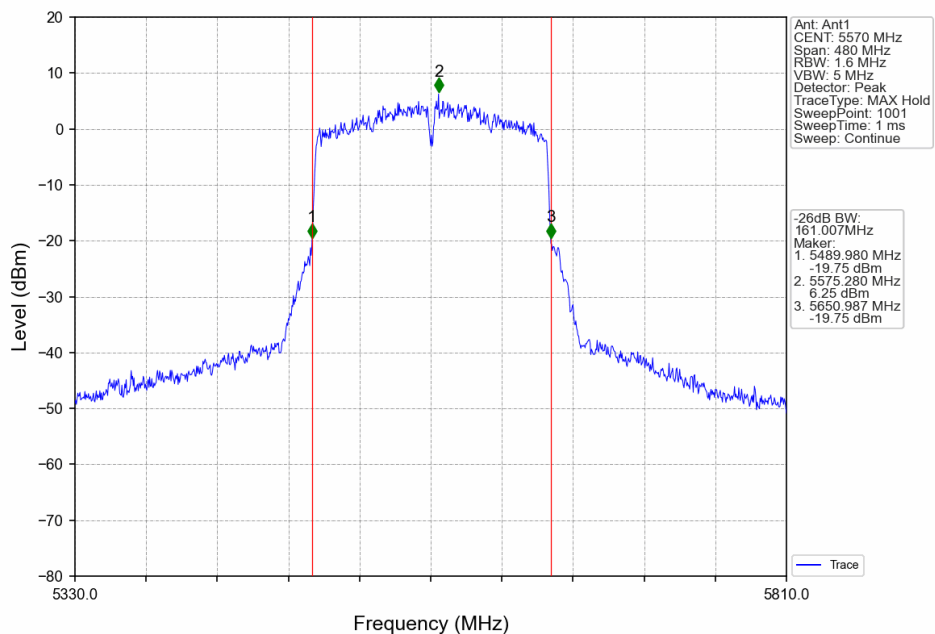
### 802.11ac(VHT80)\_LCH\_5530MHz\_Ant1\_NTNV



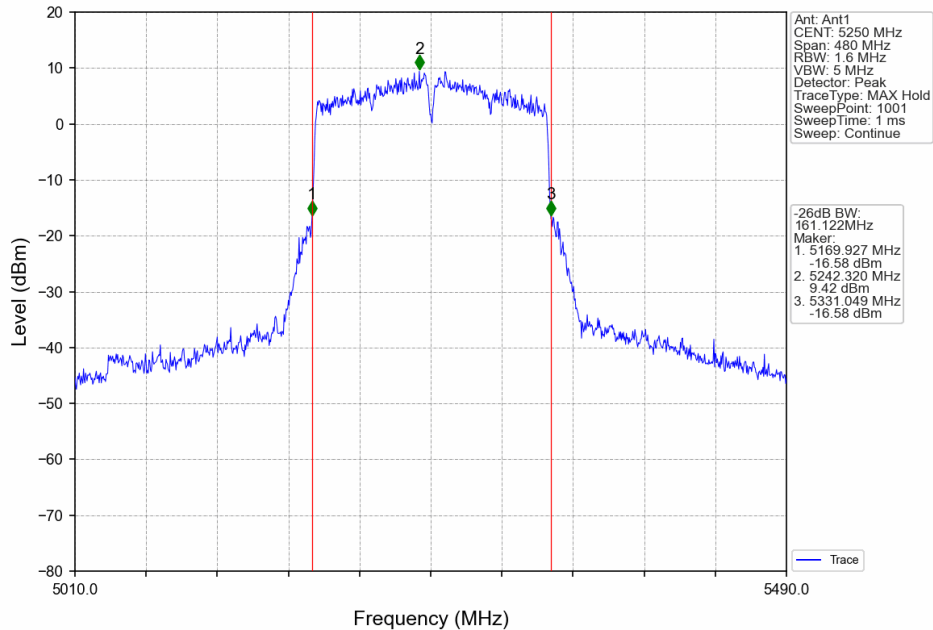
### 802.11ac(VHT80)\_HCH\_5610MHz\_Ant1\_NTNV



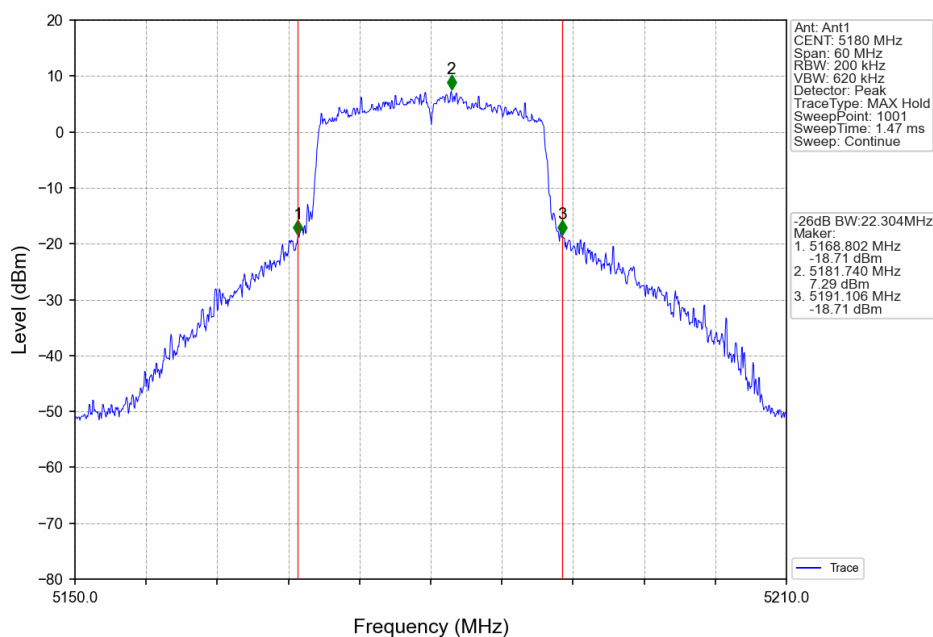
### 802.11ac(VHT160)\_MCH\_5570MHz\_Ant1\_NTNV



### 802.11ac(VHT160)\_MCH\_5250MHz\_Ant1\_NTNV

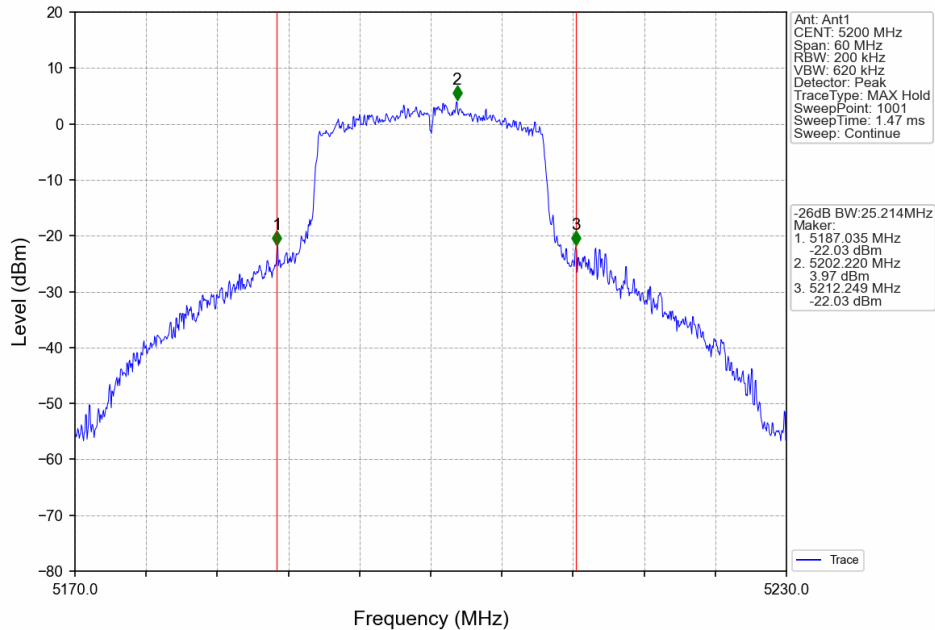


### 802.11ax(HEW20)\_LCH\_5180MHz\_RU242\_Left\_Ant1\_NTNV

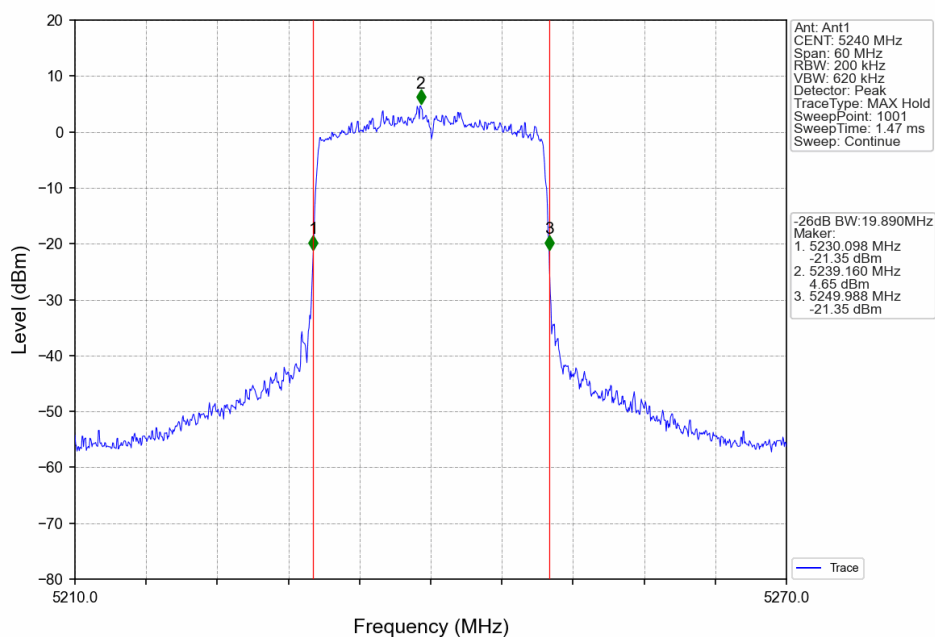




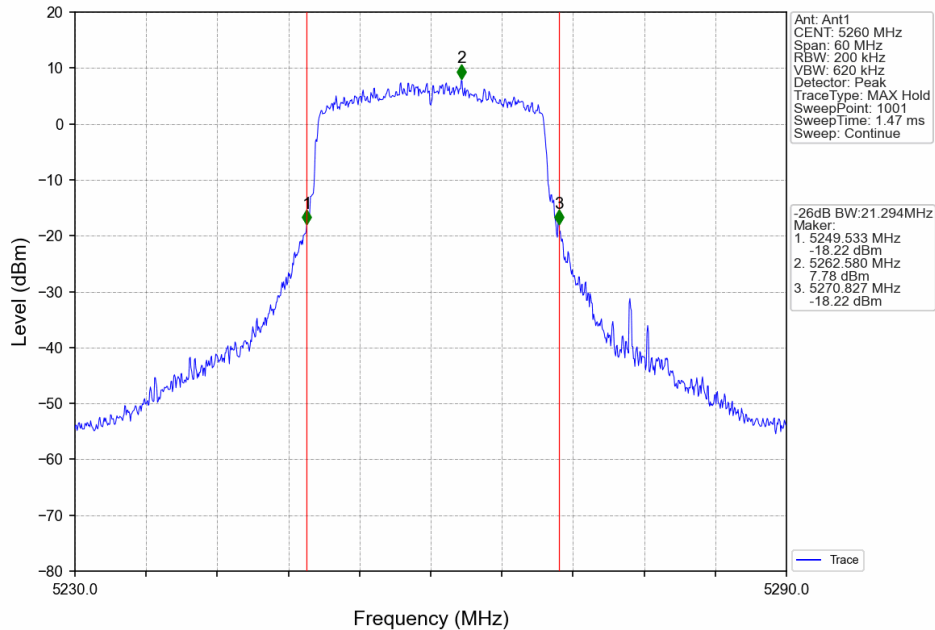
### 802.11ax(HEW20)\_MCH\_5200MHz\_RU242\_Left\_Ant1\_NTNV



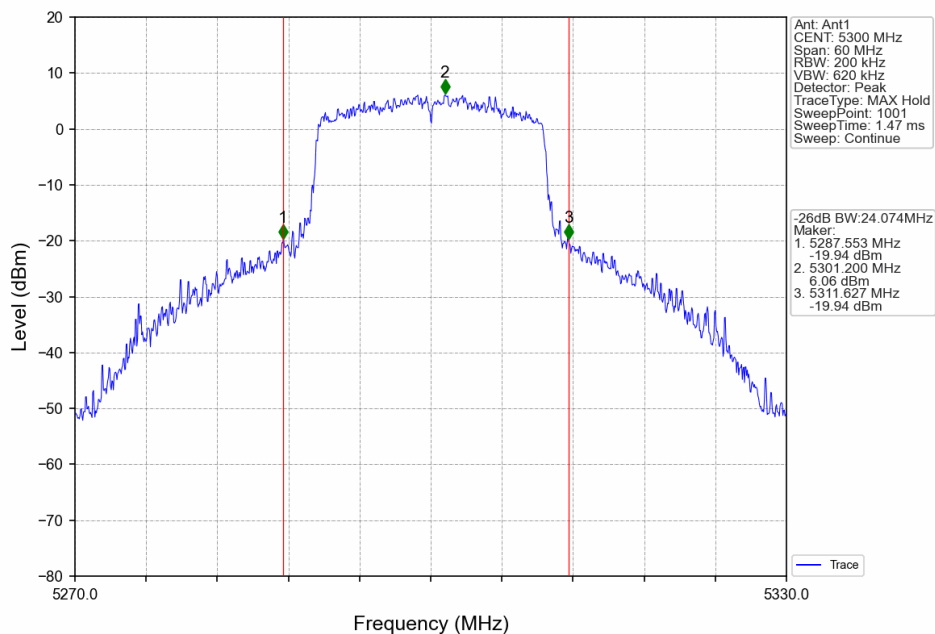
### 802.11ax(HEW20)\_HCH\_5240MHz\_RU242\_Left\_Ant1\_NTNV



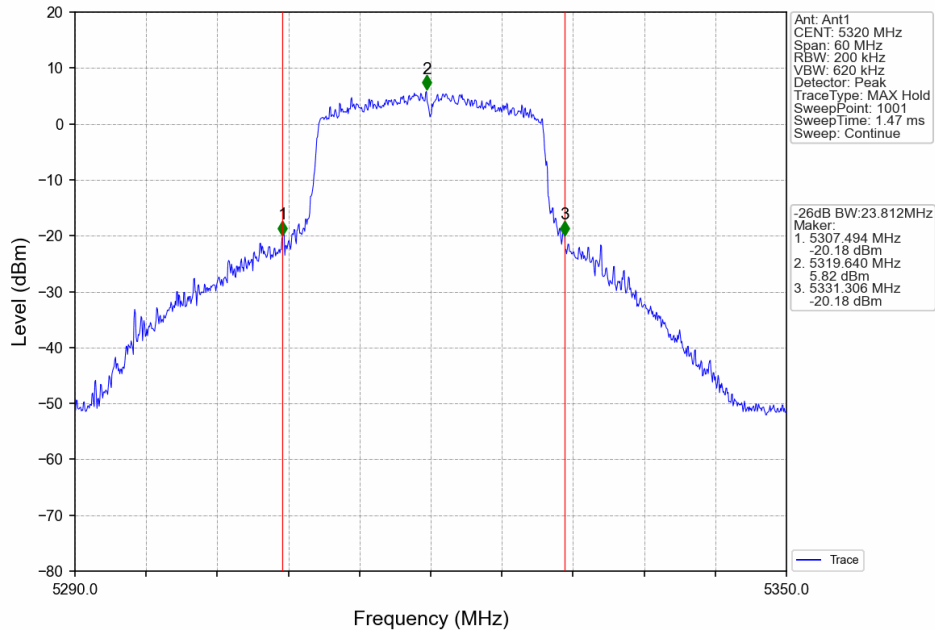
### 802.11ax(HEW20)\_LCH\_5260MHz\_RU242\_Left\_Ant1\_NTNV



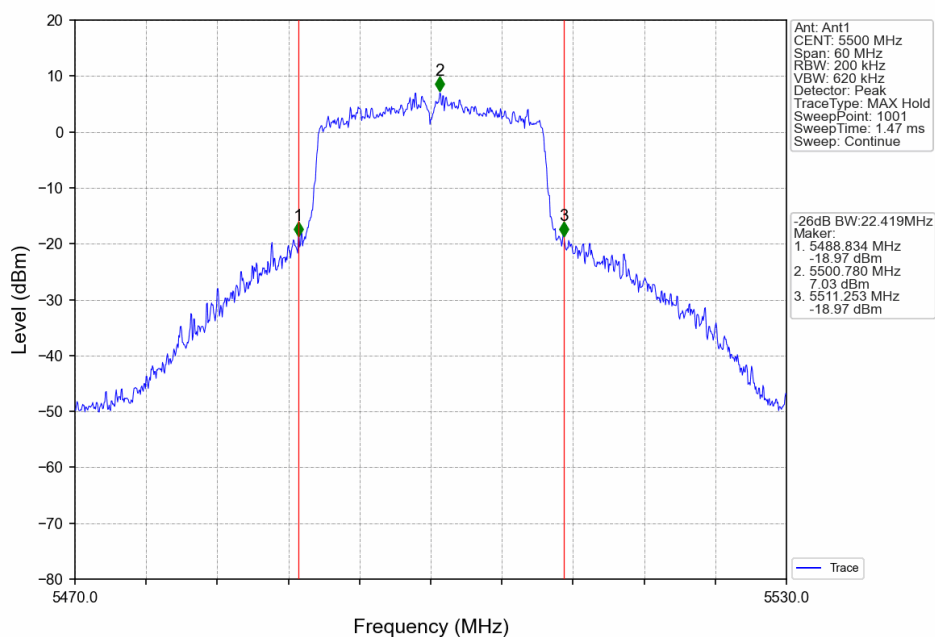
### 802.11ax(HEW20)\_MCH\_5300MHz\_RU242\_Left\_Ant1\_NTNV



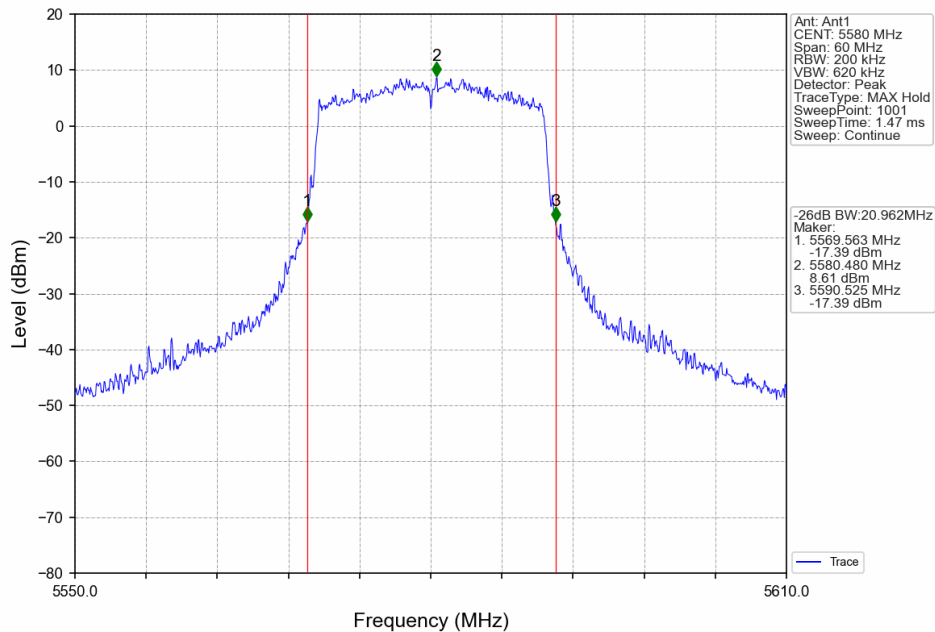
### 802.11ax(HEW20)\_HCH\_5320MHz\_RU242\_Left\_Ant1\_NTNV



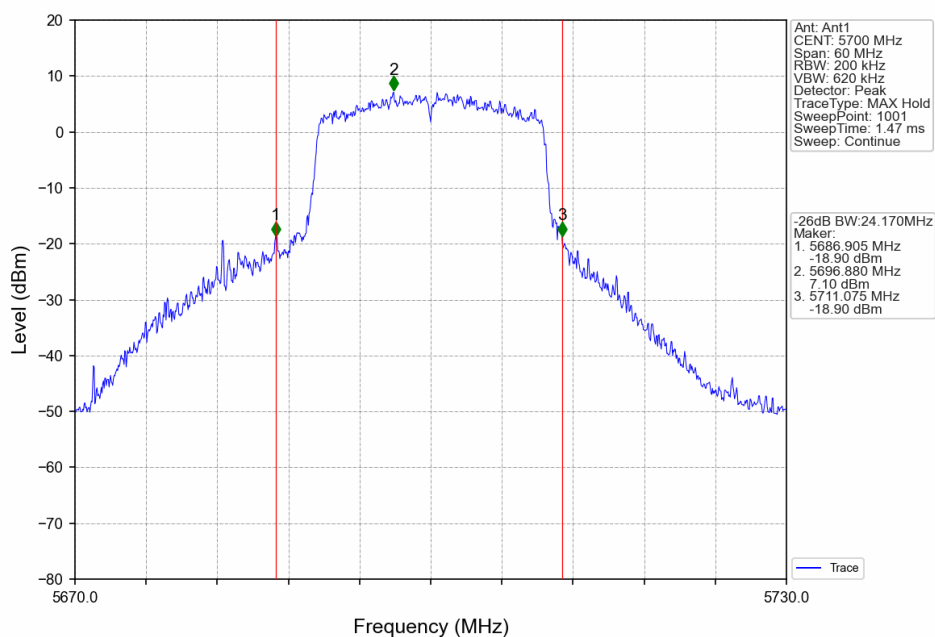
### 802.11ax(HEW20)\_LCH\_5500MHz\_RU242\_Left\_Ant1\_NTNV



### 802.11ax(HEW20)\_MCH\_5580MHz\_RU242\_Left\_Ant1\_NTNV

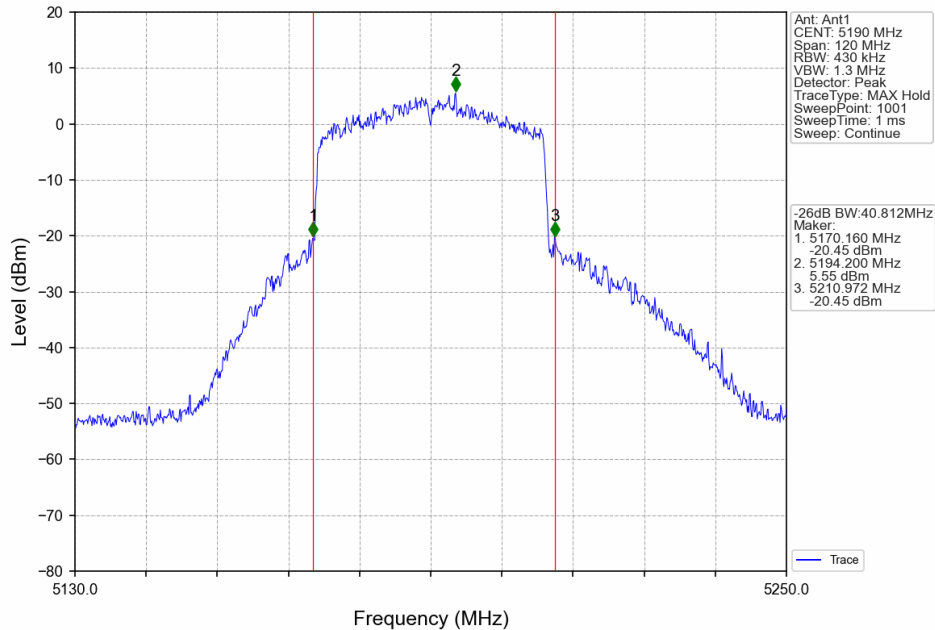


### 802.11ax(HEW20)\_HCH\_5700MHz\_RU242\_Left\_Ant1\_NTNV

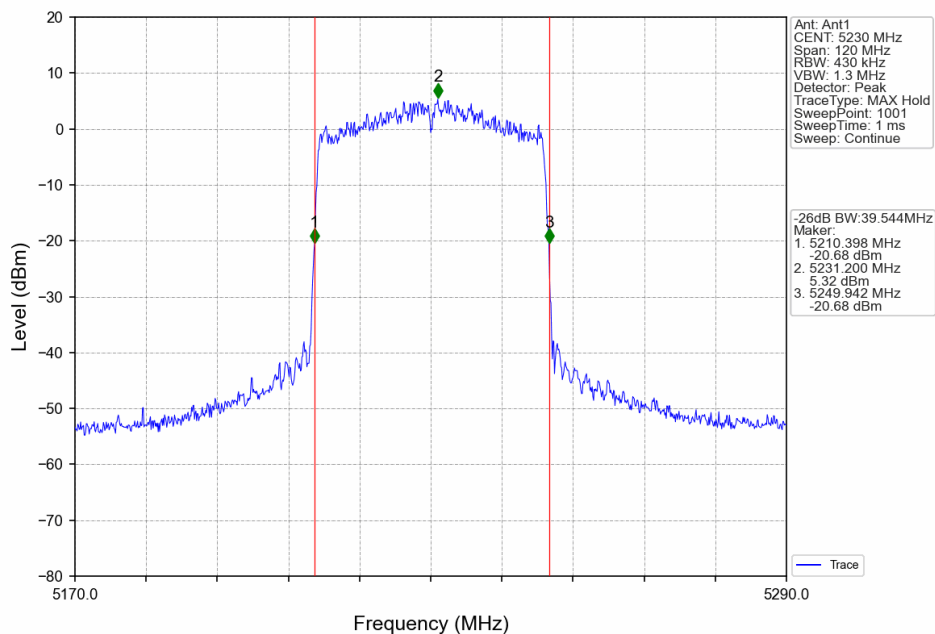




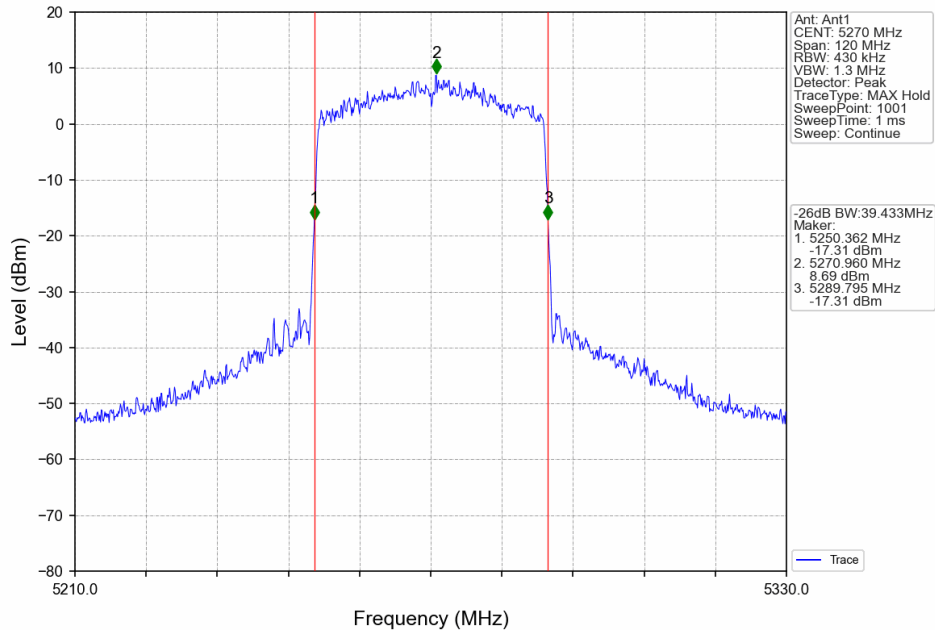
### 802.11ax(HEW40)\_LCH\_5190MHz\_RU484\_Left\_Ant1\_NTNV



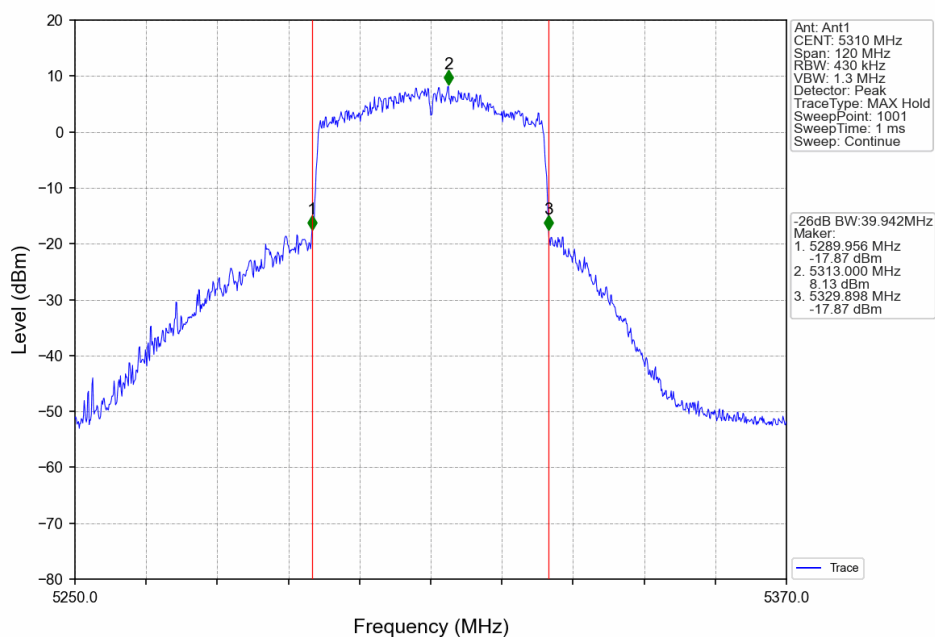
### 802.11ax(HEW40)\_HCH\_5230MHz\_RU484\_Left\_Ant1\_NTNV



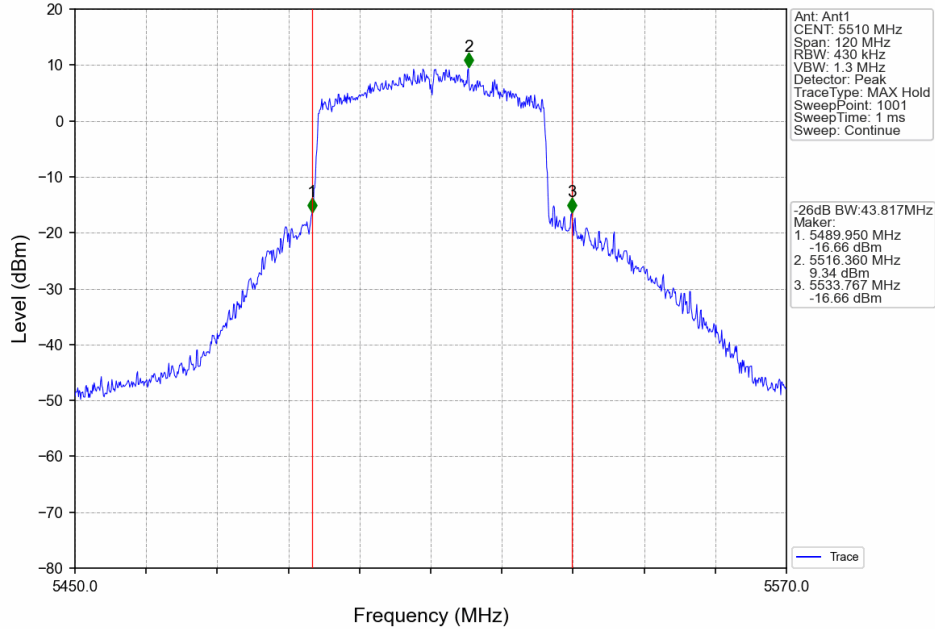
### 802.11ax(HEW40)\_LCH\_5270MHz\_RU484\_Left\_Ant1\_NTNV



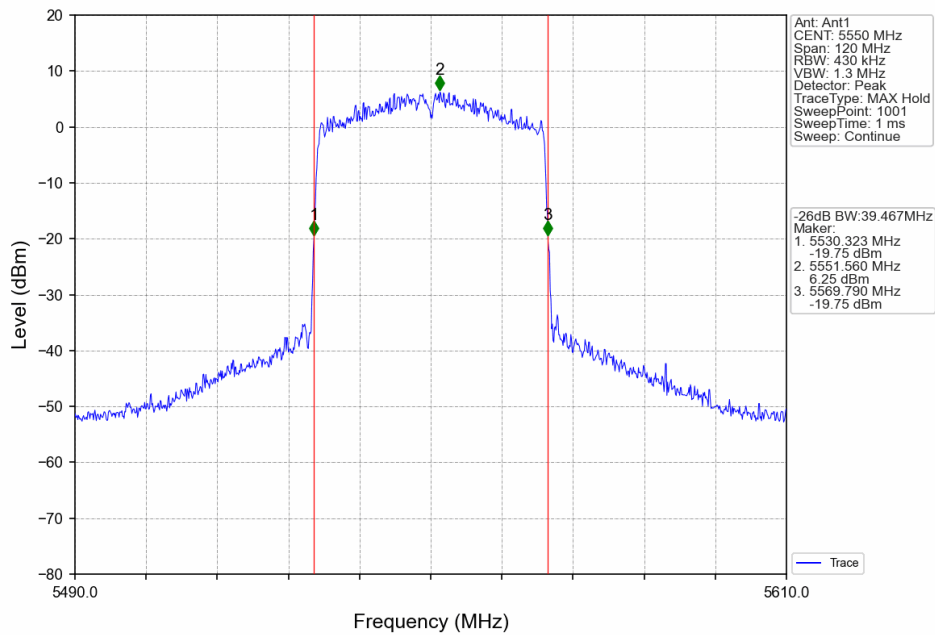
### 802.11ax(HEW40)\_HCH\_5310MHz\_RU484\_Left\_Ant1\_NTNV



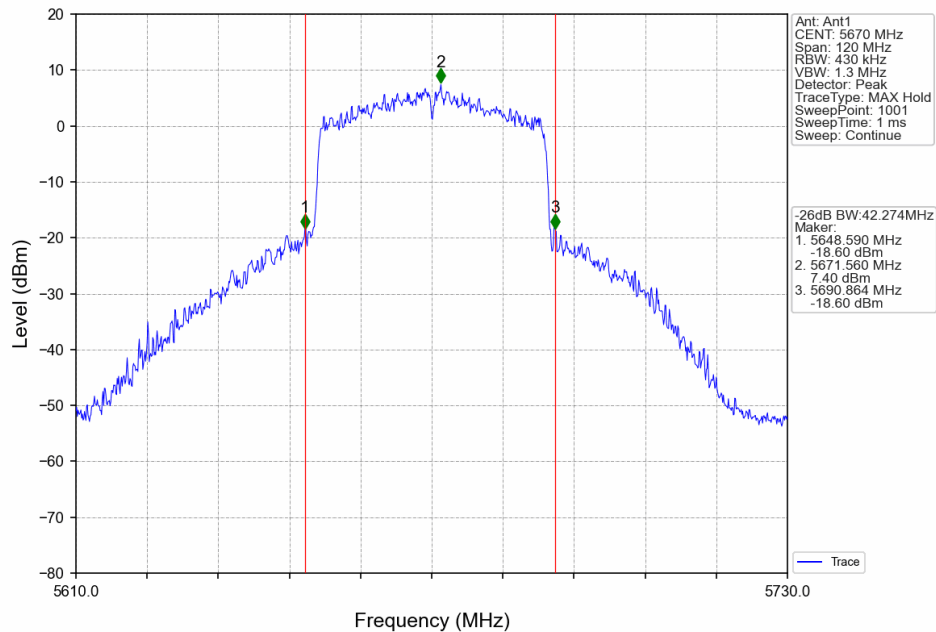
### 802.11ax(HEW40)\_LCH\_5510MHz\_RU484\_Left\_Ant1\_NTNV



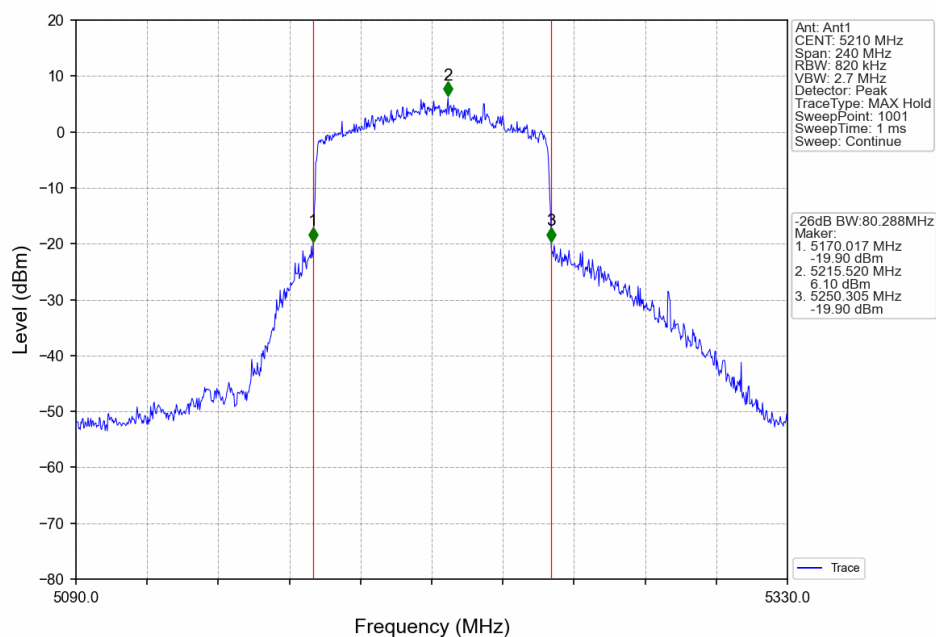
### 802.11ax(HEW40)\_MCH\_5550MHz\_RU484\_Left\_Ant1\_NTNV



### 802.11ax(HEW40)\_HCH\_5670MHz\_RU484\_Left\_Ant1\_NTNV

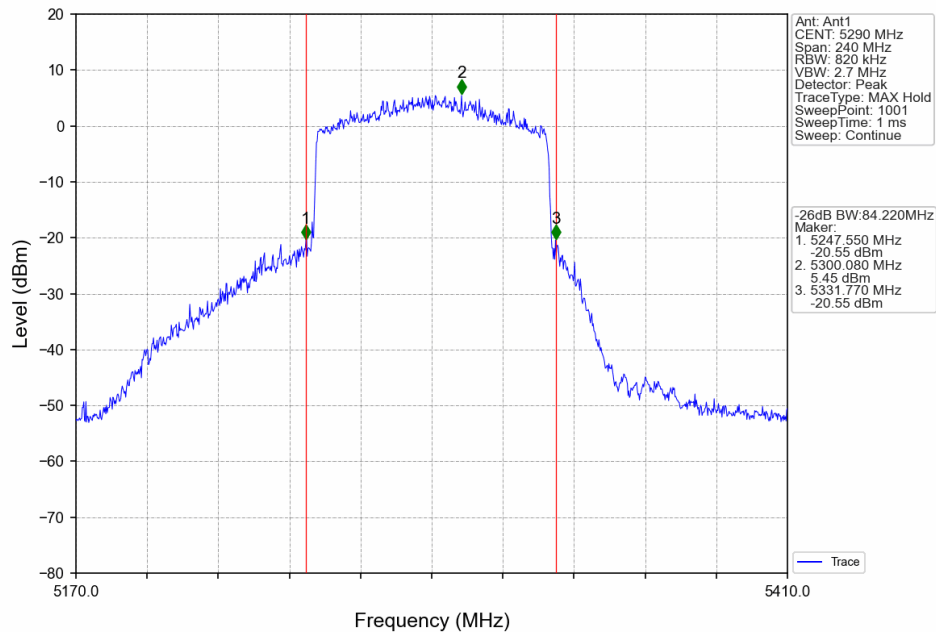


### 802.11ax(HEW80)\_MCH\_5210MHz\_RU996\_Left\_Ant1\_NTNV

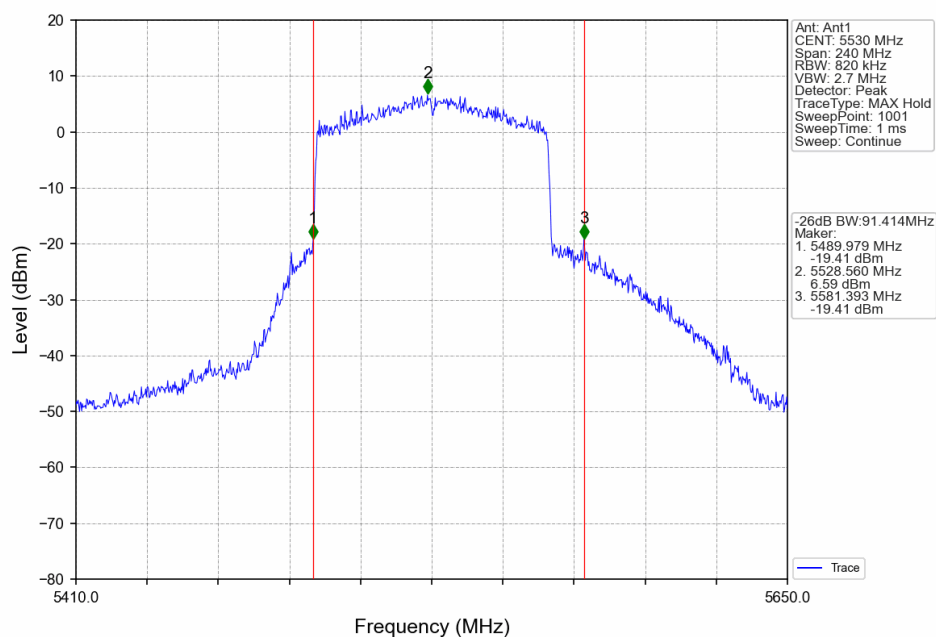




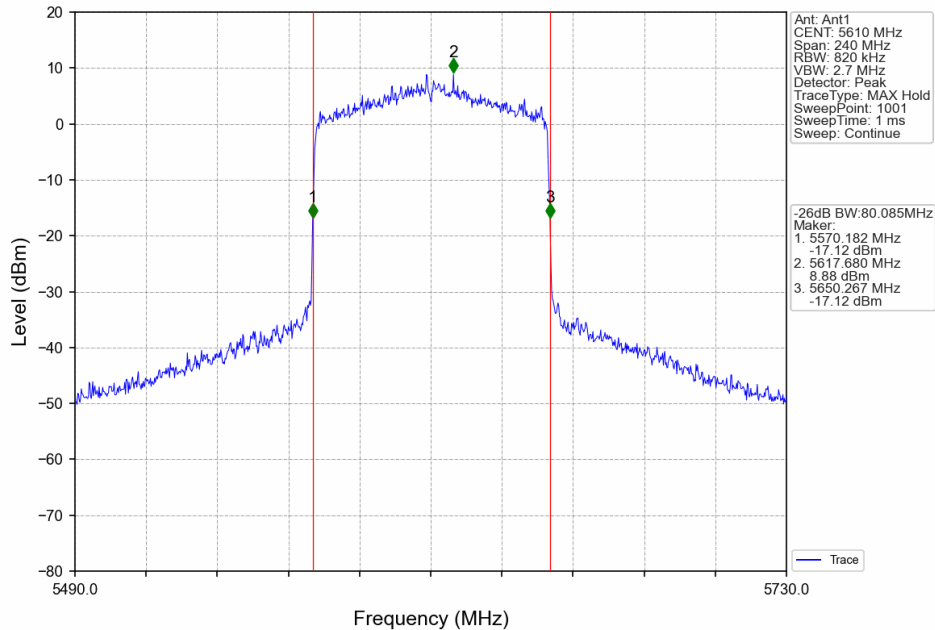
### 802.11ax(HEW80)\_MCH\_5290MHz\_RU996\_Left\_Ant1\_NTNV



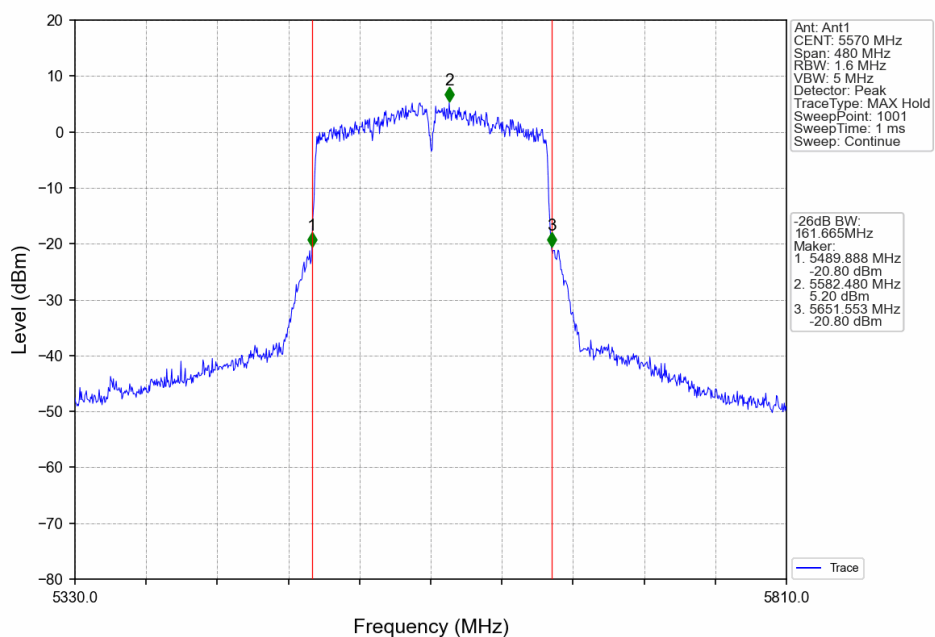
### 802.11ax(HEW80)\_LCH\_5530MHz\_RU996\_Left\_Ant1\_NTNV



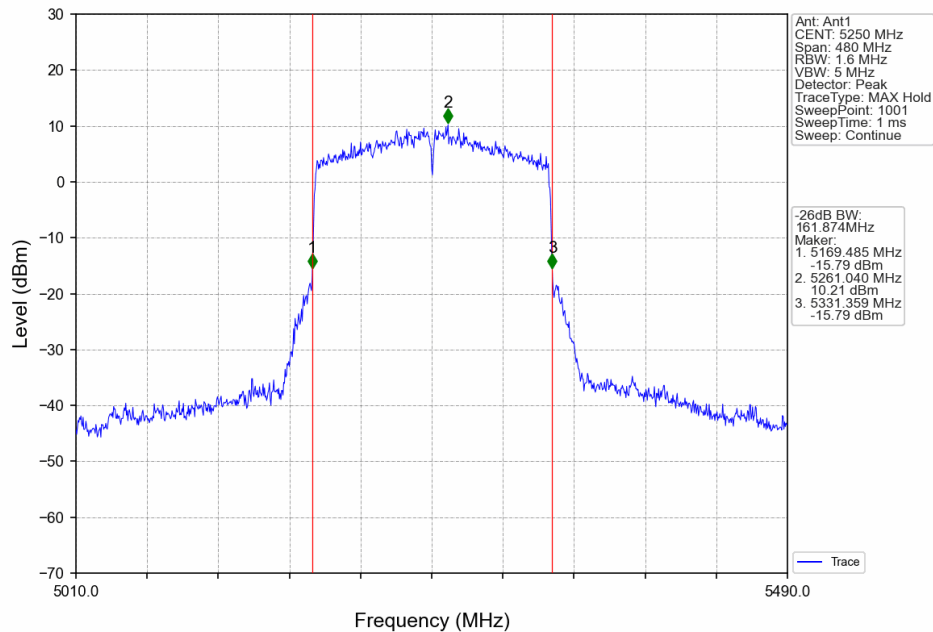
### 802.11ax(HEW80)\_HCH\_5610MHz\_RU996\_Left\_Ant1\_NTNV



### 802.11ax(HEW160)\_MCH\_5570MHz\_2xRU996\_Left\_Ant1\_NTNV



### 802.11ax(HEW160)\_MCH\_5250MHz\_2xRU996\_Left\_Ant1\_NTNV



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

SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200048903

Page: 547 of 758

### 3. Maximum Conducted Output Power

#### 3.1 Power

##### 3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)					Verdict
					ANT1	ANT2	ANT3	MIMO	Limit	
802.11a	MIMO	5180	/	/	18.46	18.89	18.99	23.56	<=30	Pass
		5200	/	/	18.58	18.97	19.08	23.65	<=30	Pass
		5240	/	/	19.01	19.44	19.48	24.09	<=30	Pass
		5260	/	/	13.85	14.36	14.47	19.01	<=23.95	Pass
		5300	/	/	13.43	14.03	14.07	18.62	<=23.98	Pass
		5320	/	/	13.25	14.08	14.03	18.57	<=23.98	Pass
		5500	/	/	11.86	13.14	12.58	17.33	<=23.98	Pass
		5580	/	/	12.41	12.83	12.24	17.27	<=23.98	Pass
		5700	/	/	11.70	12.17	11.72	16.64	<=23.98	Pass
		5745	/	/	17.72	18.25	19.19	23.20	<=30	Pass
		5785	/	/	18.44	18.65	19.64	23.71	<=30	Pass
		5825	/	/	18.31	18.02	19.03	23.25	<=30	Pass
802.11n (HT20)	MIMO	5180	/	/	18.35	18.89	18.90	23.49	<=30	Pass
		5200	/	/	18.44	18.86	18.98	23.54	<=30	Pass
		5240	/	/	18.86	19.26	19.40	23.95	<=30	Pass
		5260	/	/	14.65	12.50	15.49	19.16	<=23.98	Pass
		5300	/	/	14.56	12.30	15.49	19.08	<=23.98	Pass
		5320	/	/	14.28	12.39	15.36	18.95	<=23.98	Pass
		5500	/	/	11.42	12.53	11.99	16.77	<=23.98	Pass
		5580	/	/	12.41	12.79	12.08	17.21	<=23.98	Pass
		5700	/	/	11.65	12.09	11.64	16.57	<=23.98	Pass
		5745	/	/	15.74	16.35	17.10	21.20	<=30	Pass
		5785	/	/	16.32	16.56	17.52	21.60	<=30	Pass
		5825	/	/	16.27	15.97	16.99	21.20	<=30	Pass
802.11n (HT40)	MIMO	5190	/	/	20.44	21.00	21.04	25.61	<=30	Pass
		5230	/	/	20.84	21.29	21.42	25.96	<=30	Pass
		5270	/	/	14.84	14.95	14.92	19.67	<=23.98	Pass
		5310	/	/	14.45	14.65	14.36	19.26	<=23.98	Pass
		5510	/	/	14.81	15.84	15.42	20.15	<=23.98	Pass
		5550	/	/	14.62	15.57	15.10	19.89	<=23.98	Pass
		5670	/	/	14.38	14.98	14.35	19.35	<=23.98	Pass



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 <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained herein 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](mailto:CN.Doccheck@sgs.com)

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 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/0 Aug01,2022

Report No.: SZCR230200048903

Page: 548 of 758

		5755	/	/	16.21	16.63	17.46	21.57	<=30	Pass
		5795	/	/	16.75	16.85	17.77	21.92	<=30	Pass
802.11ac (VHT20)	MIMO	5180	/	/	17.47	17.86	17.82	22.49	<=30	Pass
		5200	/	/	17.51	17.88	17.93	22.55	<=30	Pass
		5240	/	/	17.92	18.34	18.39	22.99	<=30	Pass
		5260	/	/	14.68	14.92	14.75	19.56	<=23.98	Pass
		5300	/	/	14.31	14.46	14.30	19.13	<=23.98	Pass
		5320	/	/	14.27	14.51	14.37	19.16	<=23.98	Pass
		5500	/	/	11.40	12.50	11.98	16.75	<=23.98	Pass
		5580	/	/	12.40	12.73	12.15	17.20	<=23.98	Pass
		5700	/	/	11.70	12.12	11.64	16.60	<=23.98	Pass
		5745	/	/	15.58	16.21	16.91	21.04	<=30	Pass
		5785	/	/	16.20	16.39	17.37	21.46	<=30	Pass
		5825	/	/	16.14	15.84	16.84	21.07	<=30	Pass
802.11ac (VHT40)	MIMO	5190	/	/	20.51	20.95	21.00	25.60	<=30	Pass
		5230	/	/	20.84	21.25	21.48	25.97	<=30	Pass
		5270	/	/	14.75	14.96	14.99	19.67	<=23.98	Pass
		5310	/	/	14.35	14.72	14.49	19.29	<=23.98	Pass
		5510	/	/	14.29	15.32	14.97	19.65	<=23.98	Pass
		5550	/	/	14.54	15.54	15.08	19.84	<=23.98	Pass
		5670	/	/	14.34	14.91	14.30	19.30	<=23.98	Pass
		5755	/	/	15.79	16.28	17.08	21.19	<=30	Pass
		5795	/	/	16.34	16.50	17.41	21.55	<=30	Pass
802.11ac (VHT80)	MIMO	5210	/	/	16.92	17.11	17.55	21.97	<=30	Pass
		5290	/	/	14.75	15.04	14.90	19.67	<=23.98	Pass
		5530	/	/	15.10	16.10	15.76	20.44	<=23.98	Pass
		5610	/	/	17.21	17.71	17.30	22.18	<=23.98	Pass
		5775	/	/	16.79	17.13	18.04	22.12	<=30	Pass
802.11ac (VHT160)	MIMO	5570	/	/	14.04	14.48	14.82	19.23	<=23.98	Pass
		5250	/	/	13.46	13.73	14.01	18.51	<=30	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	18.06	18.45	18.42	23.08	<=30	Pass
		5200	RU242	Left	18.10	18.52	18.51	23.15	<=30	Pass
		5240	RU242	Left	18.63	19.02	19.12	23.70	<=30	Pass
		5260	RU242	Left	14.94	12.80	15.66	19.40	<=23.98	Pass
		5300	RU242	Left	14.84	12.57	15.46	19.23	<=23.98	Pass
		5320	RU242	Left	14.52	12.70	15.53	19.17	<=23.98	Pass
		5500	RU242	Left	11.50	12.68	12.12	16.90	<=23.98	Pass
		5580	RU242	Left	12.55	12.86	12.25	17.33	<=23.98	Pass
		5700	RU242	Left	11.76	12.18	11.68	16.65	<=23.98	Pass
		5745	RU242	Left	16.21	16.82	17.50	21.65	<=30	Pass



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

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 <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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 and certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)  
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 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/0 Aug01,2022

Report No.: SZCR230200048903

Page: 549 of 758

		5785	RU242	Left	16.80	17.02	17.89	22.03	<=30	Pass
		5825	RU242	Left	16.70	16.51	17.36	21.64	<=30	Pass
802.11ax (HEW40)	MIMO	5190	RU484	Left	20.70	21.09	21.20	25.77	<=30	Pass
		5230	RU484	Left	21.03	21.46	21.68	26.17	<=30	Pass
		5270	RU484	Left	14.39	14.81	14.55	19.36	<=23.98	Pass
		5310	RU484	Left	14.68	14.82	14.75	19.52	<=23.98	Pass
		5510	RU484	Left	14.01	15.01	14.60	19.33	<=23.98	Pass
		5550	RU484	Left	14.36	15.23	14.79	19.58	<=23.98	Pass
		5670	RU484	Left	14.15	14.61	14.11	19.07	<=23.98	Pass
		5755	RU484	Left	16.41	16.86	17.64	21.77	<=30	Pass
		5795	RU484	Left	16.95	17.00	17.94	22.09	<=30	Pass
		5210	RU996	Left	17.39	17.45	17.83	22.33	<=30	Pass
802.11ax (HEW80)	MIMO	5290	RU996	Left	14.95	15.26	15.08	19.87	<=23.98	Pass
		5530	RU996	Left	16.09	17.04	16.80	21.43	<=23.98	Pass
		5610	RU996	Left	16.84	17.25	16.87	21.76	<=23.98	Pass
		5775	RU996	Left	17.92	18.22	19.15	23.23	<=30	Pass
		5570	2xRU996	Left	14.40	14.93	15.16	19.61	<=23.98	Pass
802.11ax (HEW160)	MIMO	5250	2xRU996	Left	13.78	14.10	14.35	18.85	<=30	Pass

Note :

Band	Ant1 gain (dBi)	Ant2 gain (dBi)	Ant3 gain (dBi)	Directional gain for power (dBi)
U-NII Band 1	4.43	3.19	2.69	4.43
U-NII Band 2A	3.65	2.87	2.74	3.65
U-NII Band 2C	5.15	4.08	3.45	5.15
U-NII Band 3	5.00	4.40	3.25	5.00



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 <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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](mailto:CN.Doccheck@sgs.com)

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

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 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/0 Aug01,2022

Report No.: SZCR230200048903

Page: 550 of 758

## 3.2 TPC Power

### 3.2.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)					Verdict
					ANT1	ANT2	ANT3	MIMO	Limit	
802.11a	MIMO	5260	/	/	7.62	7.39	7.78	12.37	<=23.95	Pass
		5300	/	/	6.44	7.54	7.31	11.89	<=23.98	Pass
		5320	/	/	6.64	7.88	7.53	12.15	<=23.98	Pass
		5500	/	/	5.53	6.37	5.85	10.70	<=23.98	Pass
		5580	/	/	6.06	6.55	5.36	10.79	<=23.98	Pass
		5700	/	/	4.73	5.25	5.07	9.79	<=23.98	Pass
802.11n (HT20)	MIMO	5260	/	/	8.13	5.74	8.51	12.39	<=23.98	Pass
		5300	/	/	8.45	5.53	9.26	12.79	<=23.98	Pass
		5320	/	/	7.53	5.52	8.90	12.30	<=23.98	Pass
		5500	/	/	5.06	5.81	5.39	10.20	<=23.98	Pass
		5580	/	/	5.44	6.46	5.12	10.48	<=23.98	Pass
		5700	/	/	4.83	5.17	4.99	9.77	<=23.98	Pass
802.11n (HT40)	MIMO	5270	/	/	8.71	8.09	7.92	13.02	<=23.98	Pass
		5310	/	/	8.12	7.87	7.98	12.76	<=23.98	Pass
		5510	/	/	8.61	9.13	9.06	13.71	<=23.98	Pass
		5550	/	/	8.21	9.20	8.89	13.56	<=23.98	Pass
		5670	/	/	8.12	8.61	8.23	13.10	<=23.98	Pass
802.11ac (VHT20)	MIMO	5260	/	/	8.54	8.56	8.03	13.15	<=23.98	Pass
		5300	/	/	8.16	8.32	7.48	12.77	<=23.98	Pass
		5320	/	/	7.74	7.93	8.14	12.71	<=23.98	Pass
		5500	/	/	4.57	5.96	5.85	10.28	<=23.98	Pass
		5580	/	/	5.91	6.05	5.47	10.59	<=23.98	Pass
		5700	/	/	4.87	5.70	4.90	9.95	<=23.98	Pass
802.11ac (VHT40)	MIMO	5270	/	/	8.09	8.45	8.81	13.23	<=23.98	Pass
		5310	/	/	7.51	8.03	8.04	12.64	<=23.98	Pass
		5510	/	/	7.89	9.19	8.13	13.21	<=23.98	Pass
		5550	/	/	8.06	8.76	8.74	13.30	<=23.98	Pass
		5670	/	/	7.38	8.61	8.04	12.81	<=23.98	Pass
802.11ac (VHT80)	MIMO	5290	/	/	8.43	8.08	7.92	12.92	<=23.98	Pass
		5530	/	/	8.36	9.21	8.98	13.64	<=23.98	Pass
		5610	/	/	10.86	10.91	10.53	15.54	<=23.98	Pass
802.11ac (VHT160)	MIMO	5570	/	/	10.54	11.60	10.88	15.80	<=23.98	Pass
802.11ax	MIMO	5260	RU242	Left	8.55	6.38	9.45	13.08	<=23.98	Pass



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 <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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 and certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 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/0 Aug01,2022

Report No.: SZCR230200048903

Page: 551 of 758

(HEW20)		5300	RU242	Left	8.23	5.96	8.65	12.53	<=23.98	Pass
		5320	RU242	Left	8.25	5.97	9.23	12.79	<=23.98	Pass
		5500	RU242	Left	4.65	6.11	5.39	10.20	<=23.98	Pass
		5580	RU242	Left	5.61	6.01	5.31	10.42	<=23.98	Pass
		5700	RU242	Left	5.53	6.05	4.85	10.28	<=23.98	Pass
802.11ax (HEW40)	MIMO	5270	RU484	Left	7.72	8.11	8.34	12.84	<=23.98	Pass
		5310	RU484	Left	7.80	8.47	8.44	13.02	<=23.98	Pass
		5510	RU484	Left	7.28	8.62	7.79	12.70	<=23.98	Pass
		5550	RU484	Left	7.89	8.75	8.41	13.14	<=23.98	Pass
		5670	RU484	Left	7.28	8.06	7.37	12.36	<=23.98	Pass
802.11ax (HEW80)	MIMO	5290	RU996	Left	8.85	8.43	8.59	13.40	<=23.98	Pass
		5530	RU996	Left	9.65	10.81	10.06	14.97	<=23.98	Pass
		5610	RU996	Left	10.12	10.57	9.92	14.98	<=23.98	Pass
802.11ax (HEW160)	MIMO	5570	2xRU996	Left	10.85	12.20	11.27	16.25	<=23.98	Pass
		5250	2xRU996	Left	8.61	7.32	8.46	12.94	<=30	Pass

Note :

Band	Ant1 gain (dBi)	Ant2 gain (dBi)	Ant3 gain (dBi)	Directional gain for power (dBi)
U-NII Band 1	4.43	3.19	2.69	4.43
U-NII Band 2A	3.65	2.87	2.74	3.65
U-NII Band 2C	5.15	4.08	3.45	5.15
U-NII Band 3	5.00	4.40	3.25	5.00



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 <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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](mailto:CN.Doccheck@sgs.com)

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



### 4. Maximum Power Spectral Density

#### 4.1 PSD

##### 4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)					Verdict
					ANT1	ANT2	ANT3	MIMO	Limit	
802.11a	MIMO	5180	/	/	7.97	8.66	8.80	13.20	<=13.8	Pass
		5200	/	/	8.27	8.83	8.96	13.24	<=13.8	Pass
		5240	/	/	8.39	8.97	9.24	13.49	<=13.8	Pass
		5260	/	/	2.90	3.54	3.82	8.04	<=8.58	Pass
		5300	/	/	3.13	3.76	3.92	8.28	<=8.58	Pass
		5320	/	/	2.95	3.94	3.83	8.31	<=8.58	Pass
		5500	/	/	1.54	3.03	2.45	7.07	<=7.08	Pass
		5580	/	/	2.06	2.80	2.04	6.96	<=7.08	Pass
		5700	/	/	1.64	2.26	1.49	6.44	<=7.08	Pass
802.11n (HT20)	MIMO	5180	/	/	7.88	8.19	8.54	12.88	<=13.8	Pass
		5200	/	/	7.98	8.29	8.79	12.92	<=13.8	Pass
		5240	/	/	8.20	8.60	9.01	13.19	<=13.8	Pass
		5260	/	/	4.08	2.02	5.04	8.46	<=8.58	Pass
		5300	/	/	4.01	1.66	5.24	8.44	<=8.58	Pass
		5320	/	/	3.68	1.86	5.05	8.34	<=8.58	Pass
		5500	/	/	0.84	2.21	1.58	6.23	<=7.08	Pass
		5580	/	/	1.86	2.39	1.64	6.62	<=7.08	Pass
		5700	/	/	1.09	1.60	1.20	6.02	<=7.08	Pass
802.11n (HT40)	MIMO	5190	/	/	7.47	8.21	8.34	12.57	<=13.8	Pass
		5230	/	/	7.82	8.40	8.55	12.94	<=13.8	Pass
		5270	/	/	1.82	2.02	1.94	6.56	<=8.58	Pass
		5310	/	/	1.44	1.85	1.68	6.25	<=8.58	Pass
		5510	/	/	1.89	2.79	2.34	6.93	<=7.08	Pass
		5550	/	/	1.79	2.67	2.25	6.80	<=7.08	Pass
		5670	/	/	1.43	2.22	1.33	6.30	<=7.08	Pass
802.11ac (VHT20)	MIMO	5180	/	/	6.86	7.20	7.53	11.88	<=13.8	Pass
		5200	/	/	7.10	7.43	7.59	11.98	<=13.8	Pass
		5240	/	/	7.25	7.67	8.01	12.18	<=13.8	Pass
		5260	/	/	4.71	1.77	4.85	8.50	<=8.58	Pass
		5300	/	/	4.08	0.92	4.34	8.02	<=8.58	Pass
		5320	/	/	4.01	1.21	4.68	8.16	<=8.58	Pass
		5500	/	/	0.88	2.23	1.67	6.31	<=7.08	Pass



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 <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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](mailto:CN.Doccheck@sgs.com)

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 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/0 Aug01,2022

Report No.: SZCR230200048903

Page: 553 of 758

		5580	/	/	1.94	2.24	1.72	6.66	<=7.08	Pass
		5700	/	/	1.04	1.60	1.22	5.98	<=7.08	Pass
802.11ac (VHT40)	MIMO	5190	/	/	7.53	8.21	8.16	12.54	<=13.8	Pass
		5230	/	/	7.78	8.54	8.93	12.92	<=13.8	Pass
		5270	/	/	1.61	2.39	2.05	6.62	<=8.58	Pass
		5310	/	/	1.36	1.74	1.70	6.28	<=8.58	Pass
		5510	/	/	1.30	2.22	1.89	6.48	<=7.08	Pass
		5550	/	/	1.46	2.74	2.03	6.76	<=7.08	Pass
		5670	/	/	1.37	2.02	1.20	6.21	<=7.08	Pass
802.11ac (VHT80)	MIMO	5210	/	/	0.92	1.13	1.78	6.01	<=13.8	Pass
		5290	/	/	-1.23	-0.77	-1.02	3.58	<=8.58	Pass
		5530	/	/	-0.88	0.06	-0.13	4.33	<=7.08	Pass
		5610	/	/	1.38	1.81	1.58	6.23	<=7.08	Pass
802.11ac (VHT160)	MIMO	5570	/	/	-4.84	-4.54	-3.95	0.17	<=7.08	Pass
		5250	/	/	-5.50	-4.93	-5.10	-0.57	<=13.8	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	7.31	7.56	7.96	12.24	<=13.8	Pass
		5200	RU242	Left	7.45	7.72	8.01	12.28	<=13.8	Pass
		5240	RU242	Left	7.86	8.11	8.64	12.77	<=13.8	Pass
		5260	RU242	Left	3.72	1.64	4.66	8.18	<=8.58	Pass
		5300	RU242	Left	4.10	1.94	4.71	8.31	<=8.58	Pass
		5320	RU242	Left	3.93	2.14	4.85	8.30	<=8.58	Pass
		5500	RU242	Left	0.70	1.99	1.62	6.13	<=7.08	Pass
		5580	RU242	Left	1.90	2.35	1.70	6.48	<=7.08	Pass
802.11ax (HEW40)	MIMO	5700	RU242	Left	0.98	1.50	0.91	5.60	<=7.08	Pass
		5190	RU484	Left	7.59	8.17	8.19	12.60	<=13.8	Pass
		5230	RU484	Left	8.23	8.46	8.71	13.03	<=13.8	Pass
		5270	RU484	Left	1.53	1.59	1.84	6.25	<=8.58	Pass
		5310	RU484	Left	1.64	2.03	1.73	6.33	<=8.58	Pass
		5510	RU484	Left	0.93	2.19	1.61	6.15	<=7.08	Pass
		5550	RU484	Left	1.48	2.44	1.97	6.52	<=7.08	Pass
		5670	RU484	Left	1.05	1.55	1.30	5.83	<=7.08	Pass
802.11ax (HEW80)	MIMO	5210	RU996	Left	1.14	1.41	1.94	6.10	<=13.8	Pass
		5290	RU996	Left	-0.97	-0.75	-0.56	3.77	<=8.58	Pass
		5530	RU996	Left	0.39	1.19	1.22	5.57	<=7.08	Pass
		5610	RU996	Left	0.88	1.67	1.19	5.96	<=7.08	Pass
802.11ax (HEW160)	MIMO	5570	2xRU996	Left	-4.53	-4.42	-3.72	0.36	<=7.08	Pass
		5250	2xRU996	Left	-5.42	-5.01	-4.74	-0.42	<=13.8	Pass



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 <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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.

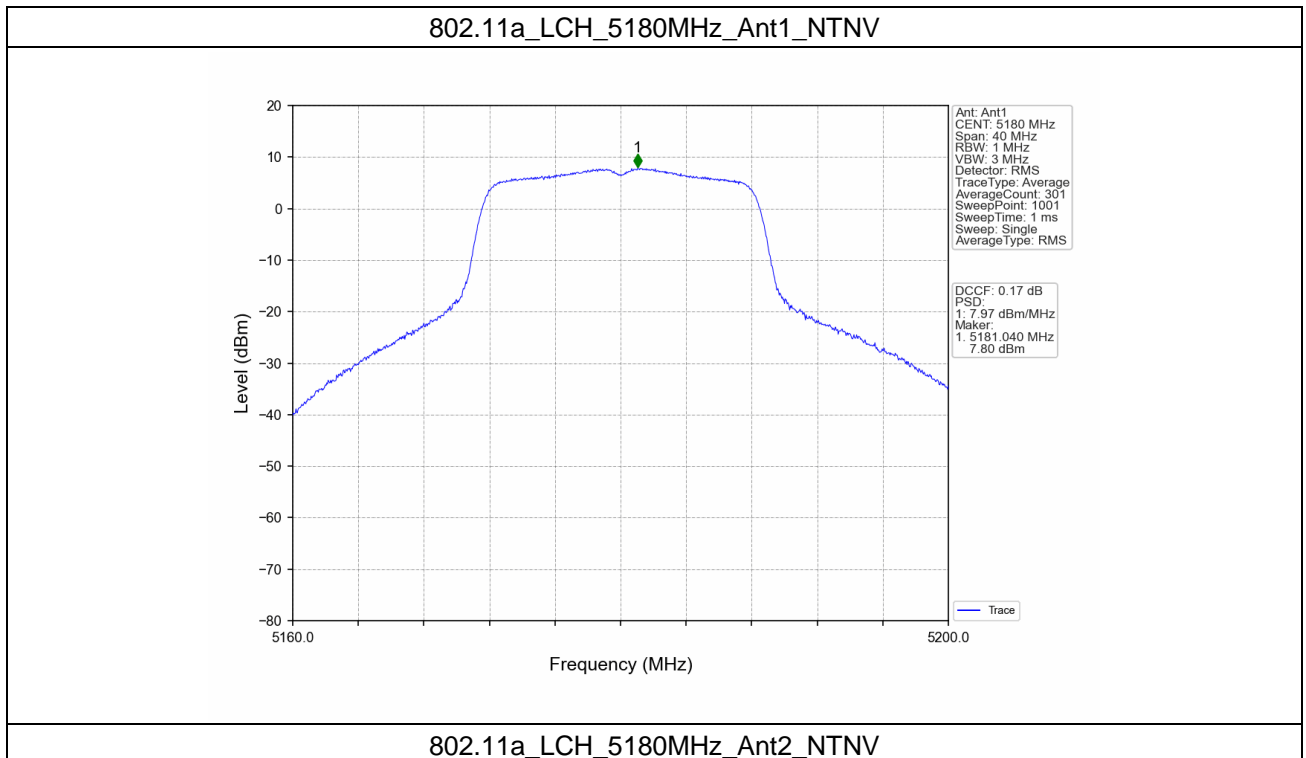
Attention: To check the authenticity of testing / inspection report and certificate, please contact us at telephone: (86-755) 83071443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch  
 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Note :

Band	Ant1 gain (dBi)	Ant2 gain (dBi)	Ant3 gain (dBi)	Directional gain for PSD (dBi)
U-NII Band 1	4.43	3.19	2.69	9.2
U-NII Band 2A	3.65	2.87	2.74	8.42
U-NII Band 2C	5.15	4.08	3.45	9.92
U-NII Band 3	5.00	4.40	3.25	9.77

### 4.1.2 Test Graph

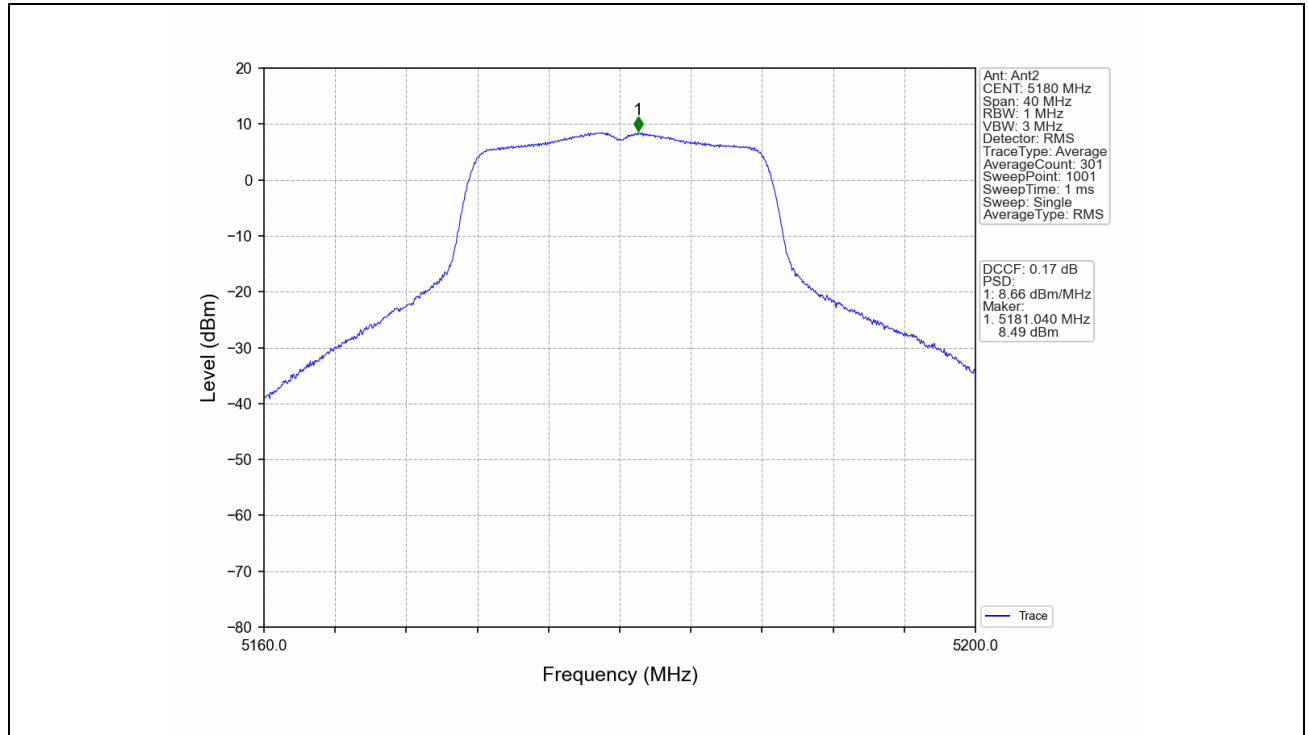


## SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230200048903

Page: 555 of 758



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

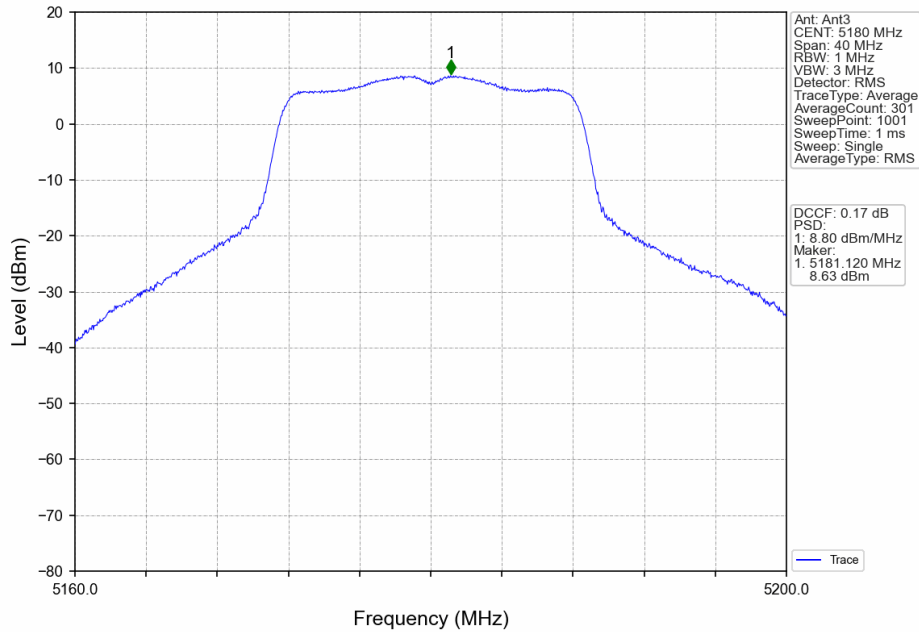
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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](mailto:CN.Doccheck@sgs.com)

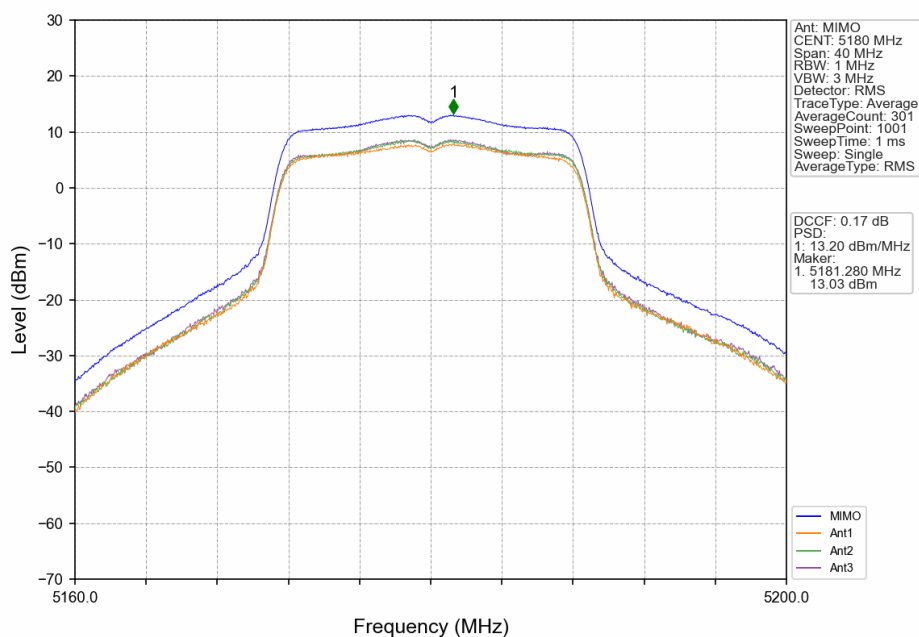
No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn  
中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com



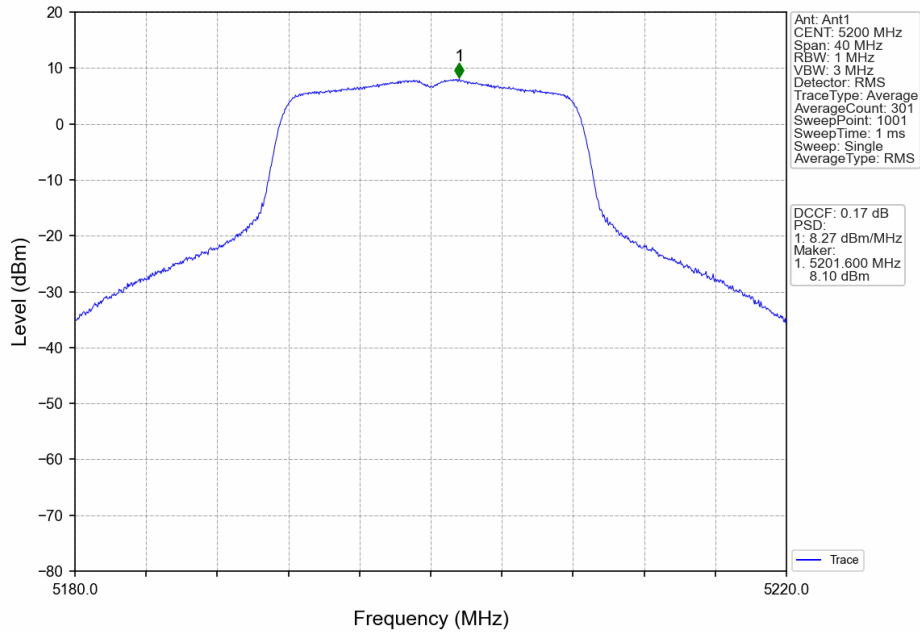
802.11a\_LCH\_5180MHz\_Ant3\_NTNV



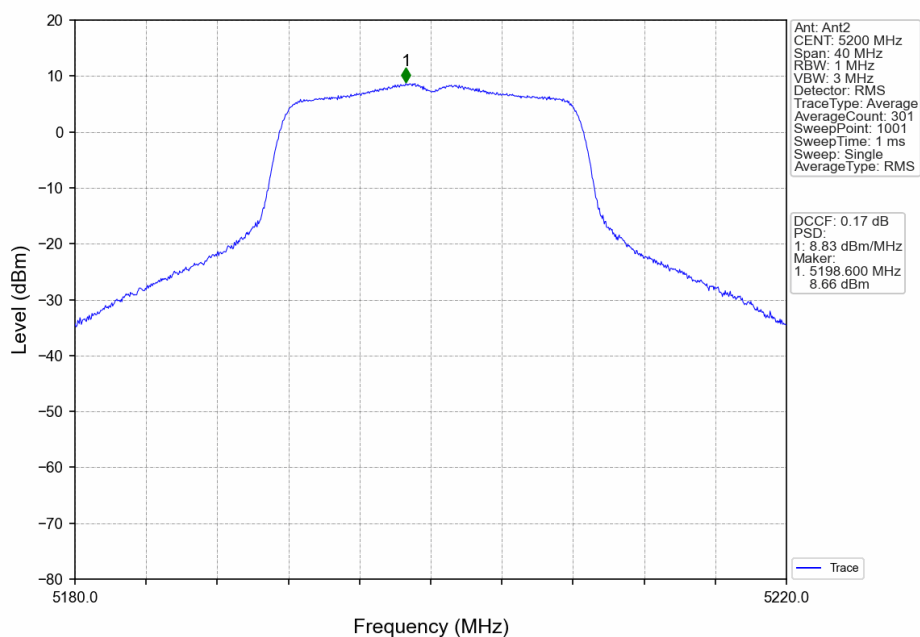
802.11a\_LCH\_5180MHz\_MIMO\_NTNV



802.11a\_MCH\_5200MHz\_Ant1\_NTNV



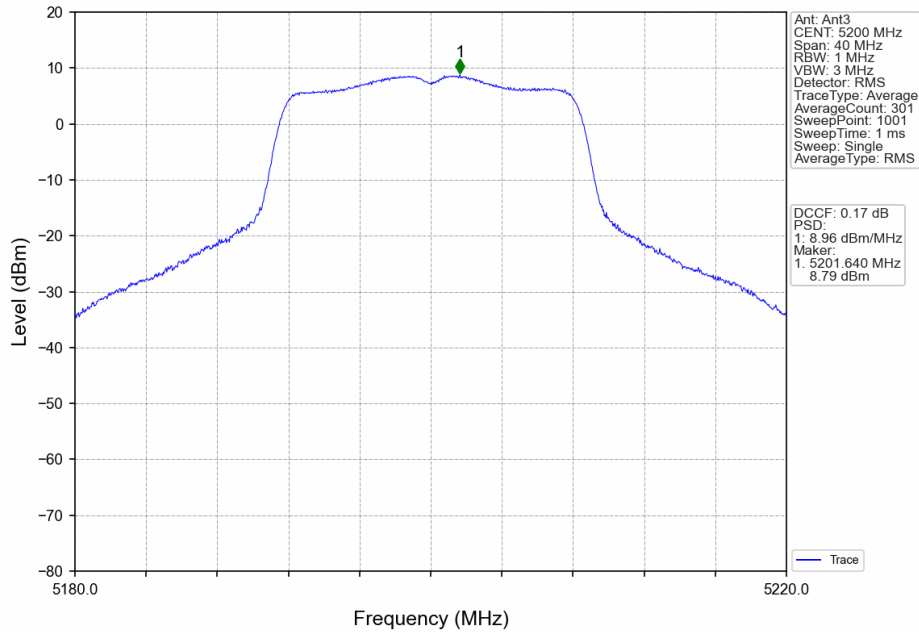
802.11a\_MCH\_5200MHz\_Ant2\_NTNV



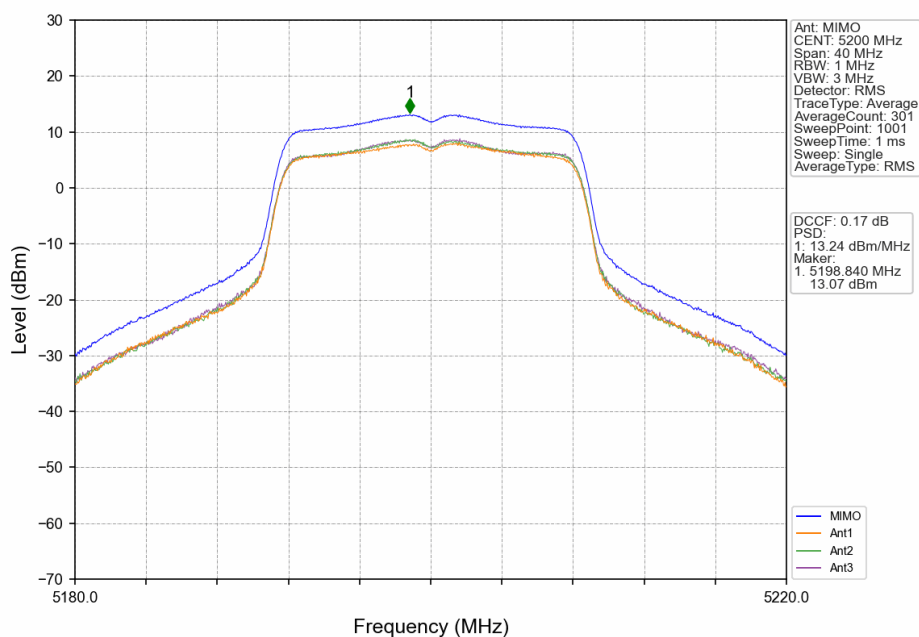
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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](mailto:CN.Doccheck@sgs.com)

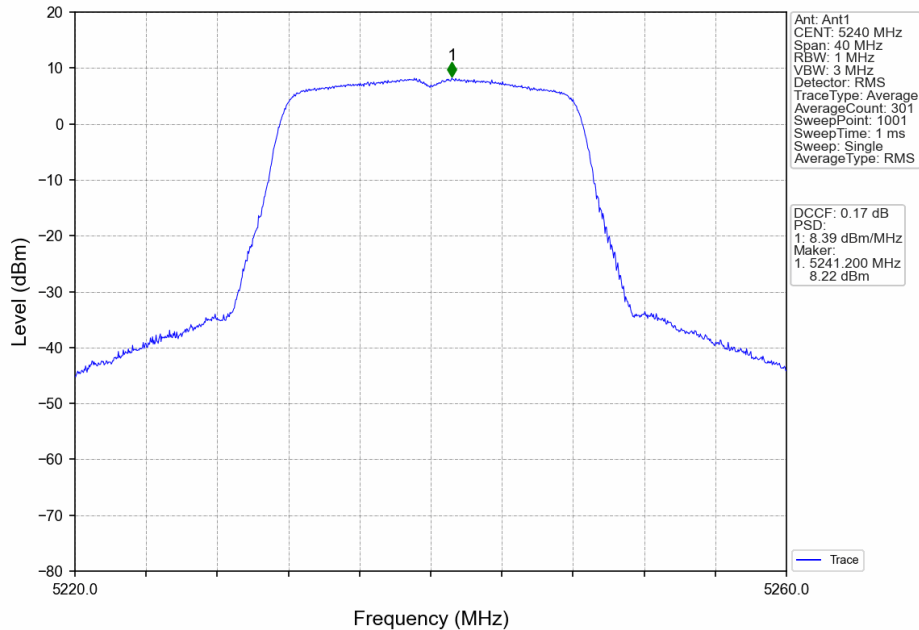
### 802.11a\_MCH\_5200MHz\_Ant3\_NTNV



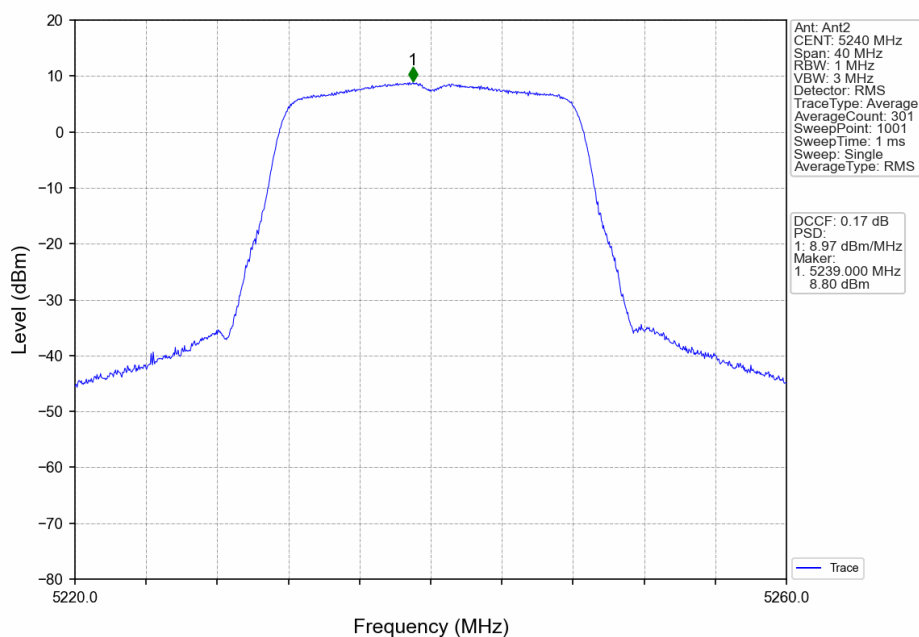
### 802.11a\_MCH\_5200MHz\_MIMO\_NTNV



### 802.11a\_HCH\_5240MHz\_Ant1\_NTNV

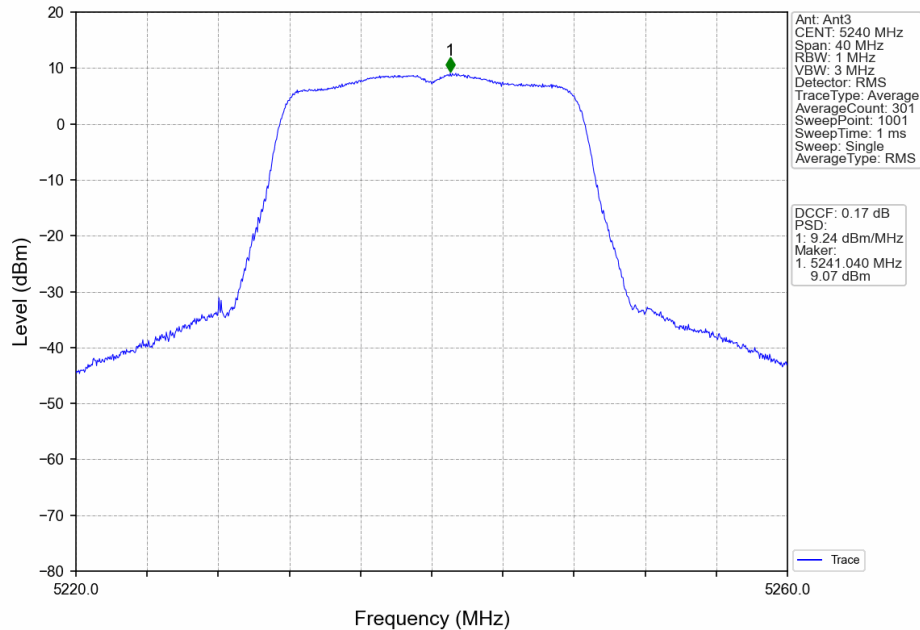


### 802.11a\_HCH\_5240MHz\_Ant2\_NTNV

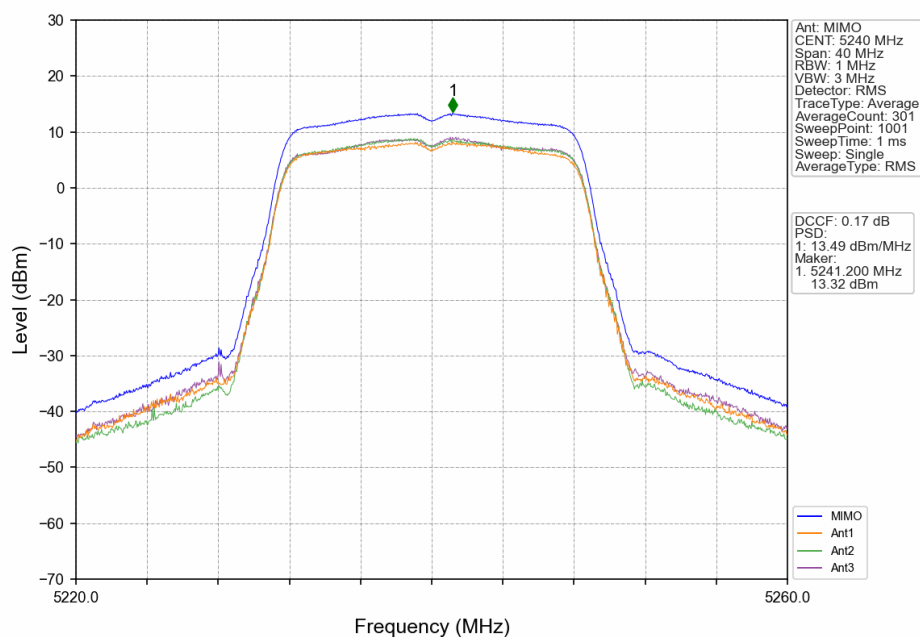




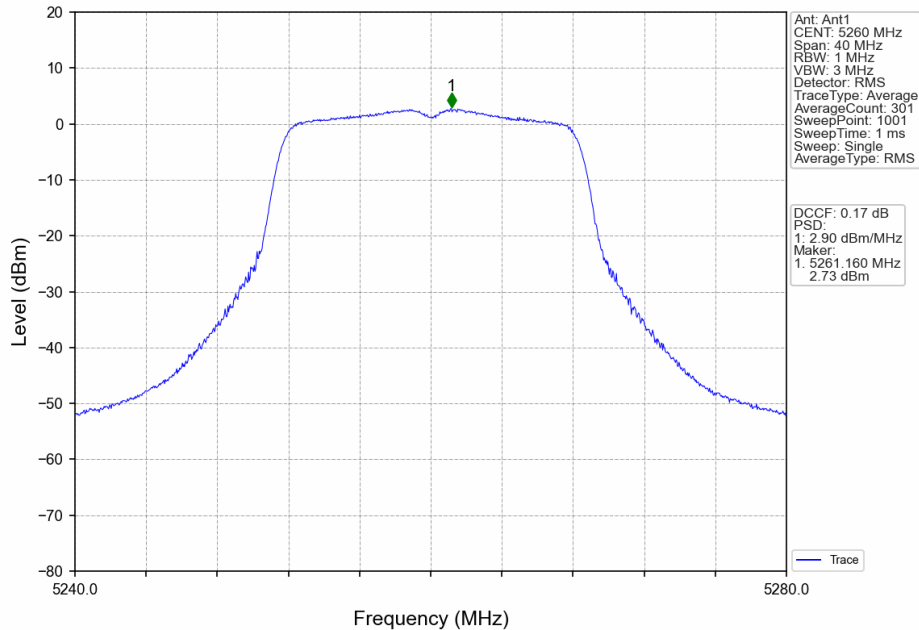
802.11a\_HCH\_5240MHz\_Ant3\_NTNV



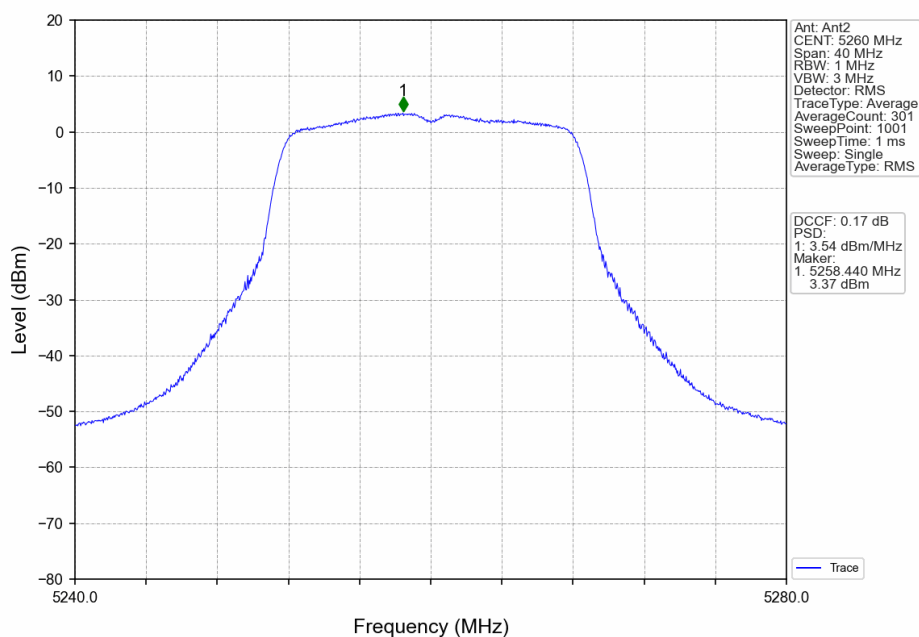
802.11a\_HCH\_5240MHz\_MIMO\_NTNV



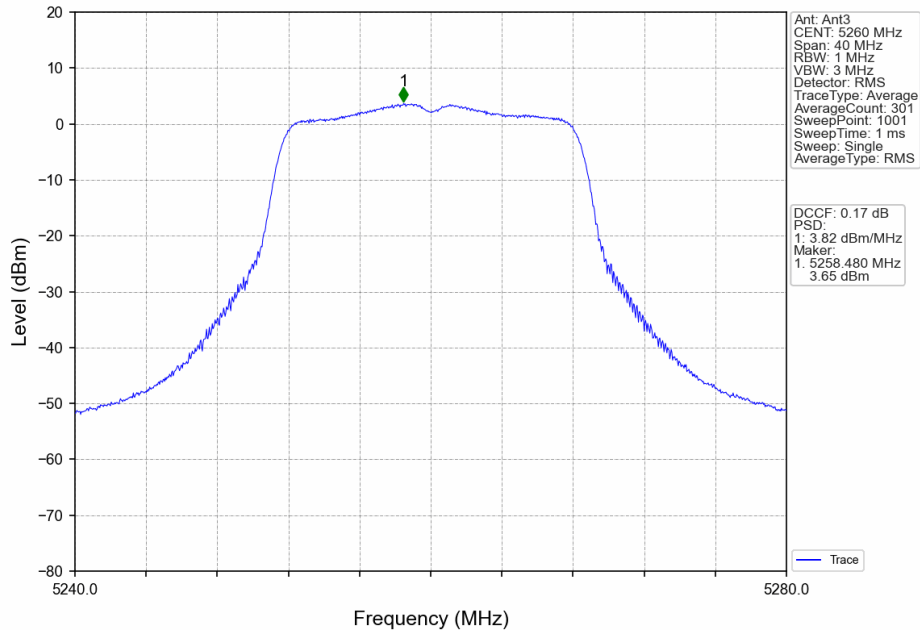
802.11a\_LCH\_5260MHz\_Ant1\_NTNV



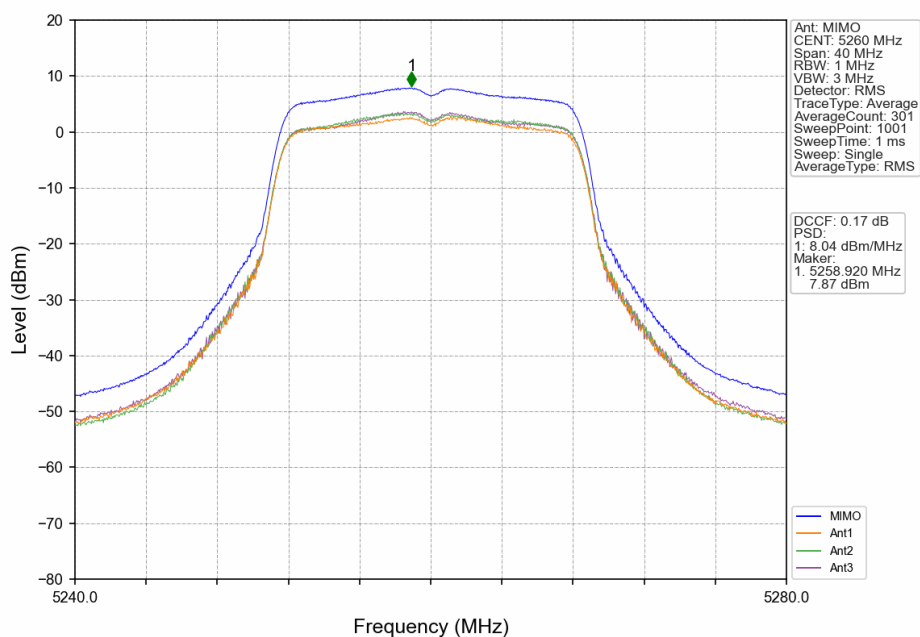
802.11a\_LCH\_5260MHz\_Ant2\_NTNV



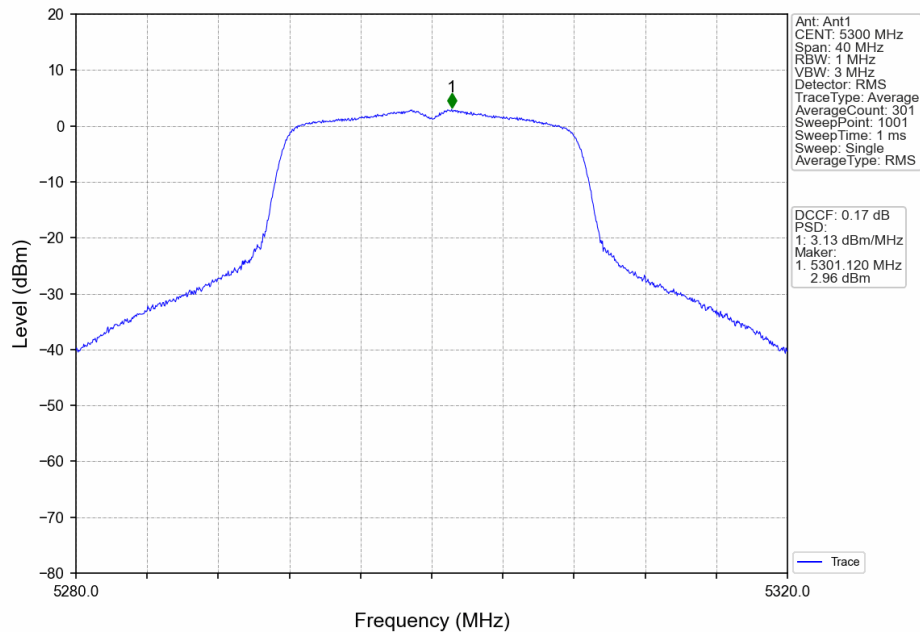
802.11a\_LCH\_5260MHz\_Ant3\_NTNV



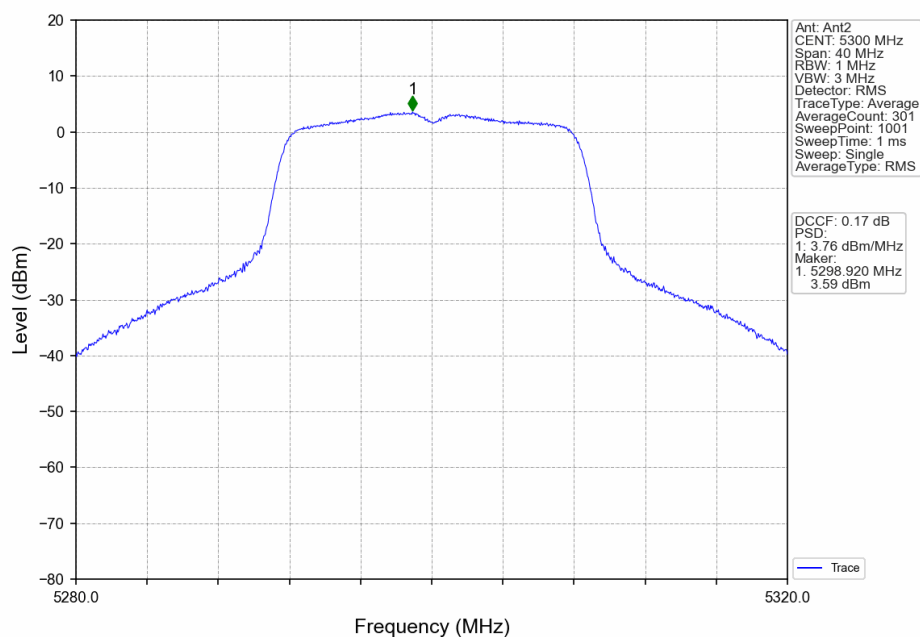
802.11a\_LCH\_5260MHz\_MIMO\_NTNV



802.11a\_MCH\_5300MHz\_Ant1\_NTNV

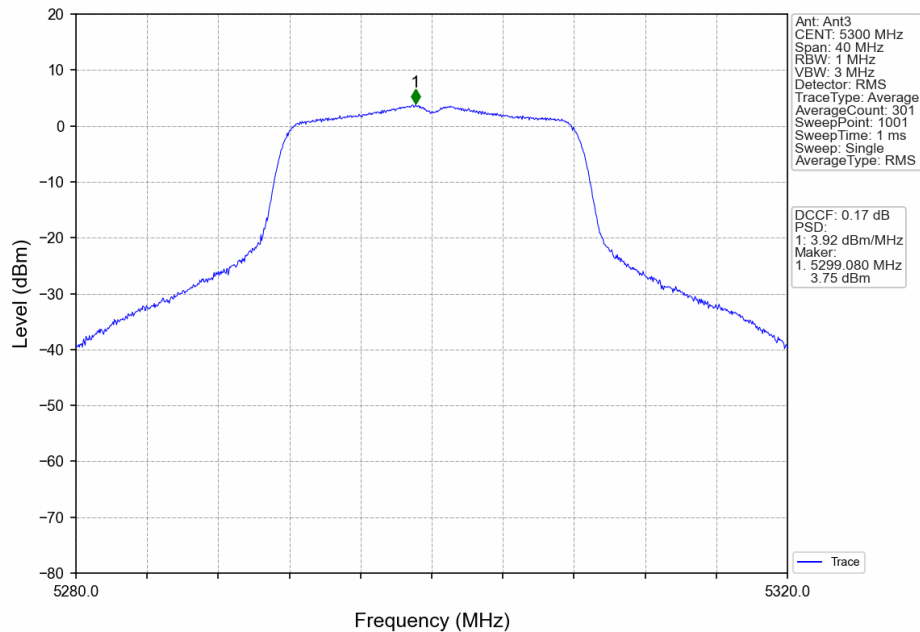


802.11a\_MCH\_5300MHz\_Ant2\_NTNV

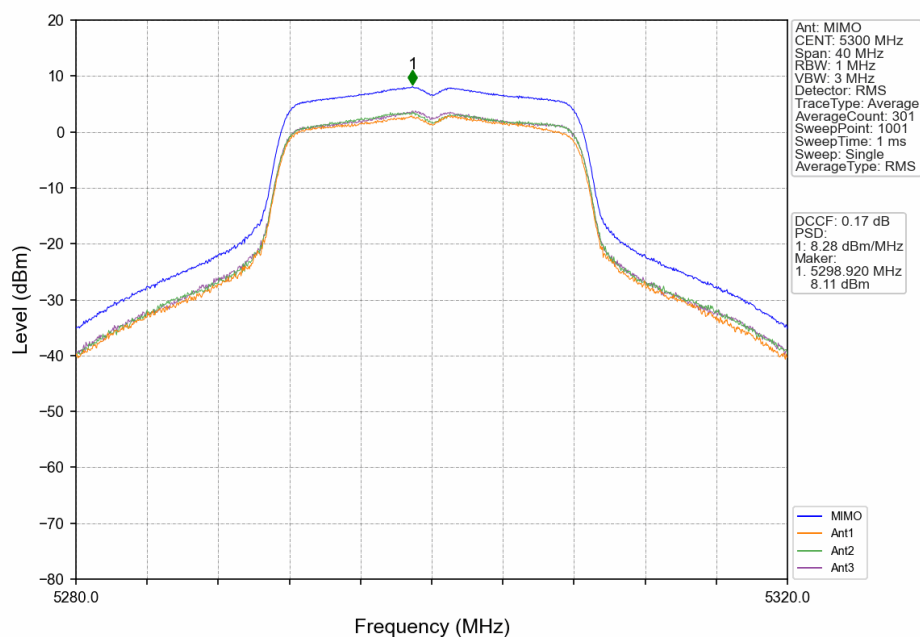




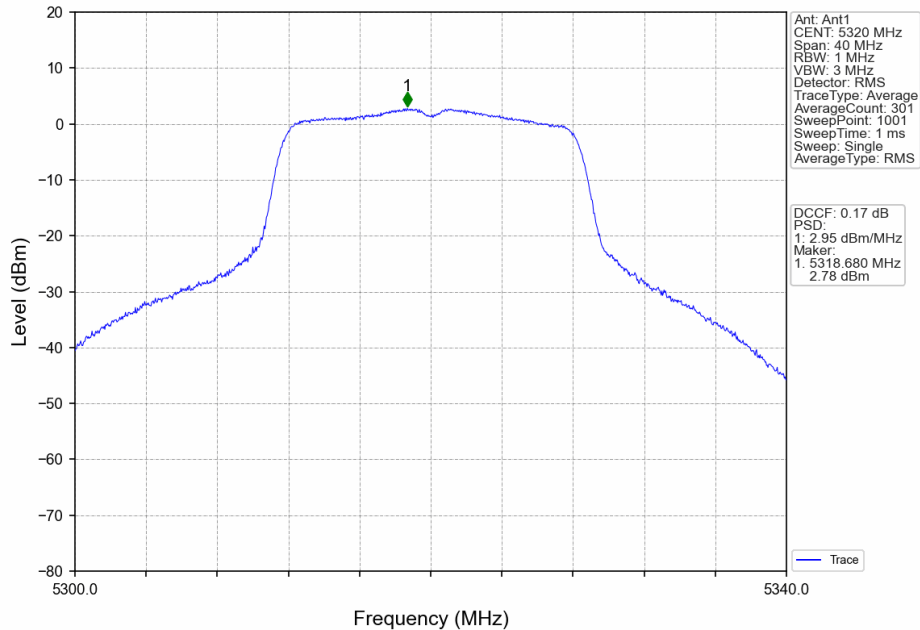
802.11a\_MCH\_5300MHz\_Ant3\_NTNV



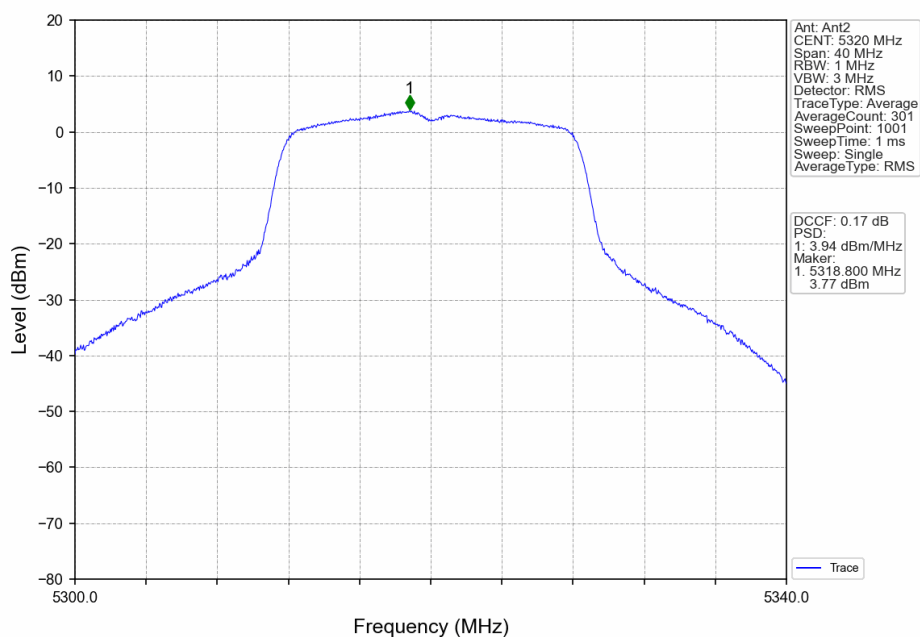
802.11a\_MCH\_5300MHz\_MIMO\_NTNV



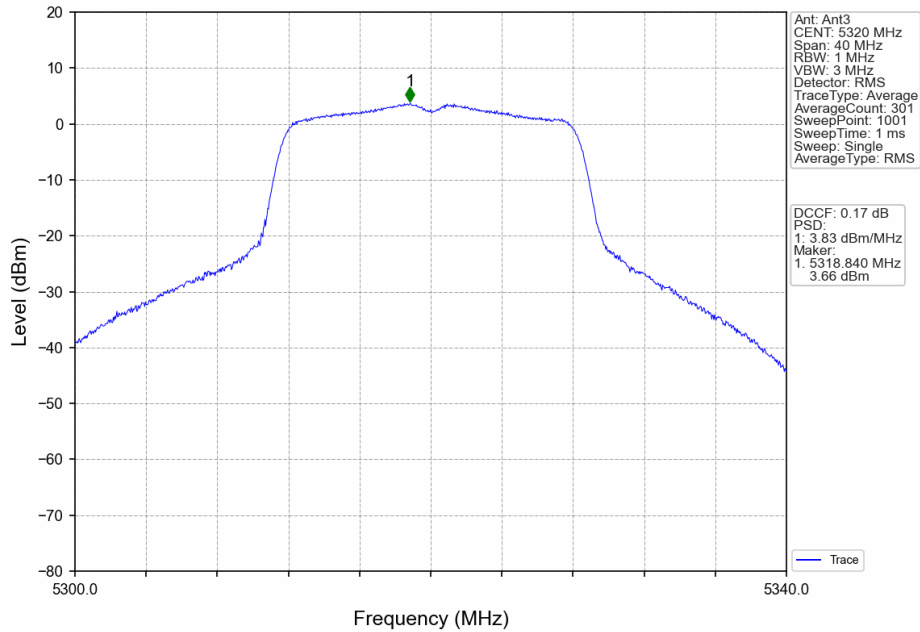
802.11a\_HCH\_5320MHz\_Ant1\_NTNV



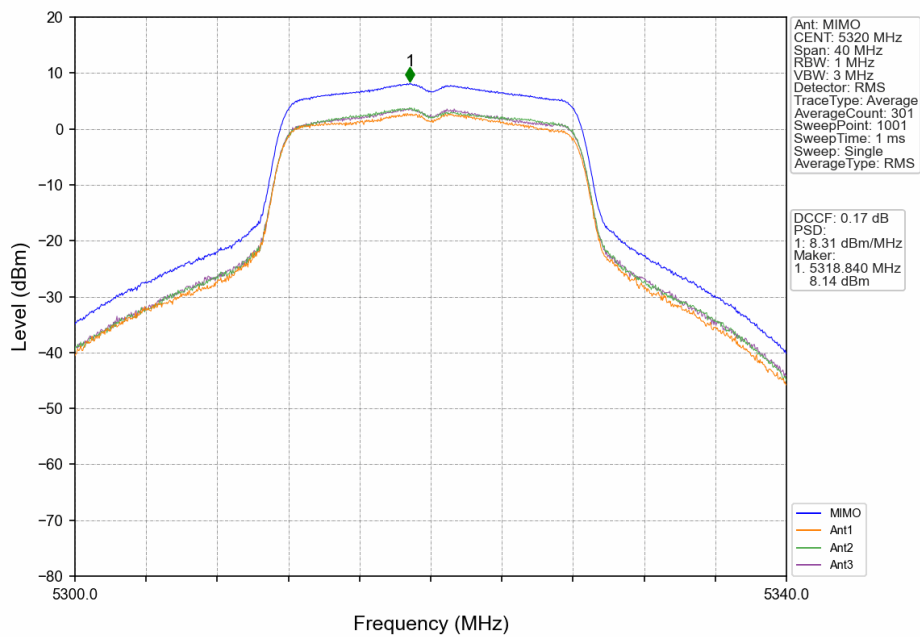
802.11a\_HCH\_5320MHz\_Ant2\_NTNV



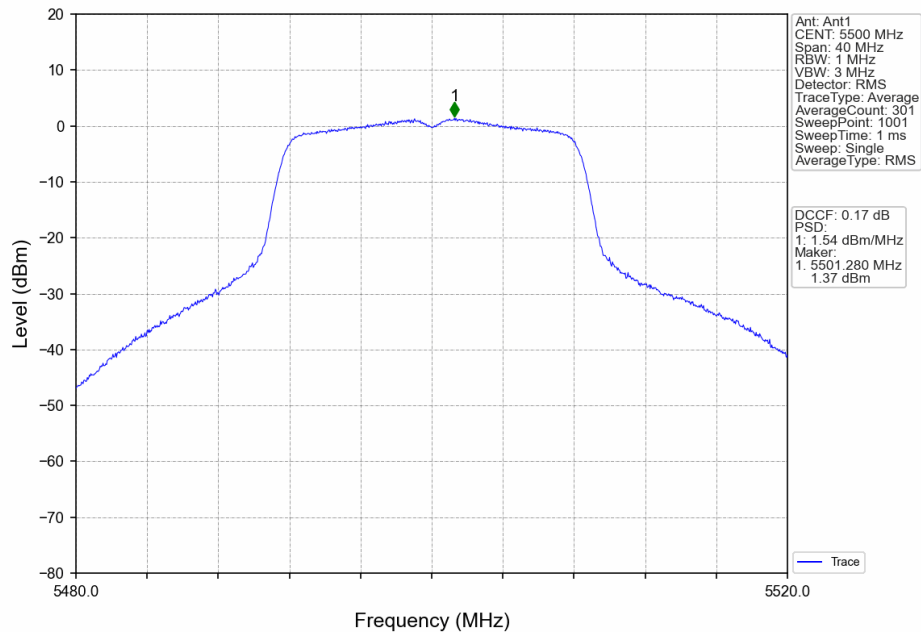
802.11a\_HCH\_5320MHz\_Ant3\_NTNV



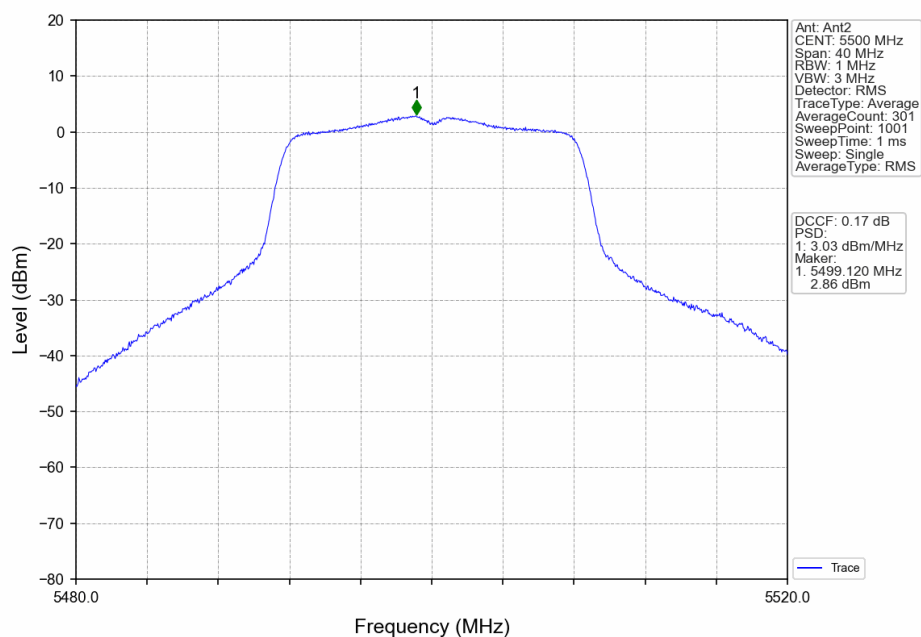
802.11a\_HCH\_5320MHz\_MIMO\_NTNV



802.11a\_LCH\_5500MHz\_Ant1\_NTNV

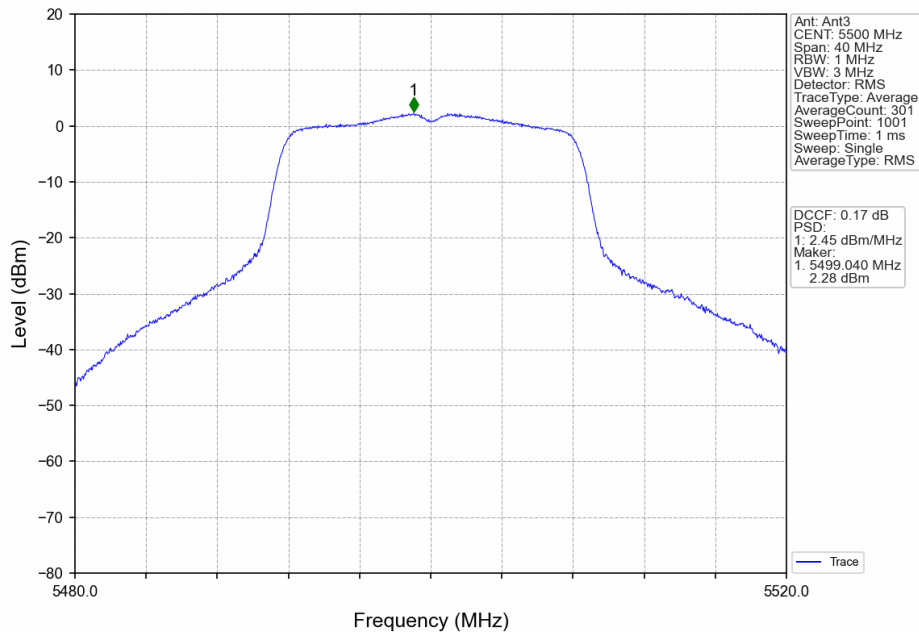


802.11a\_LCH\_5500MHz\_Ant2\_NTNV

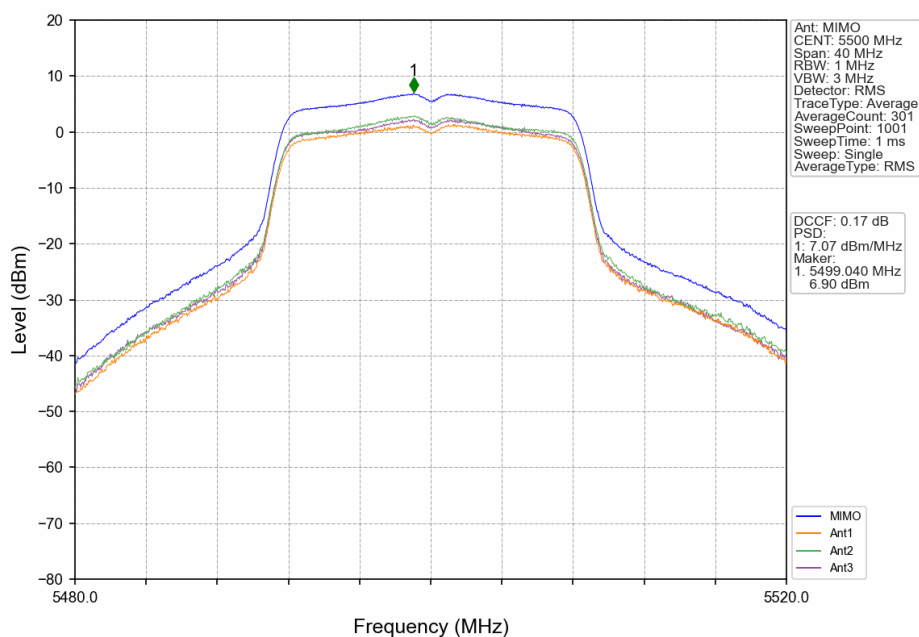




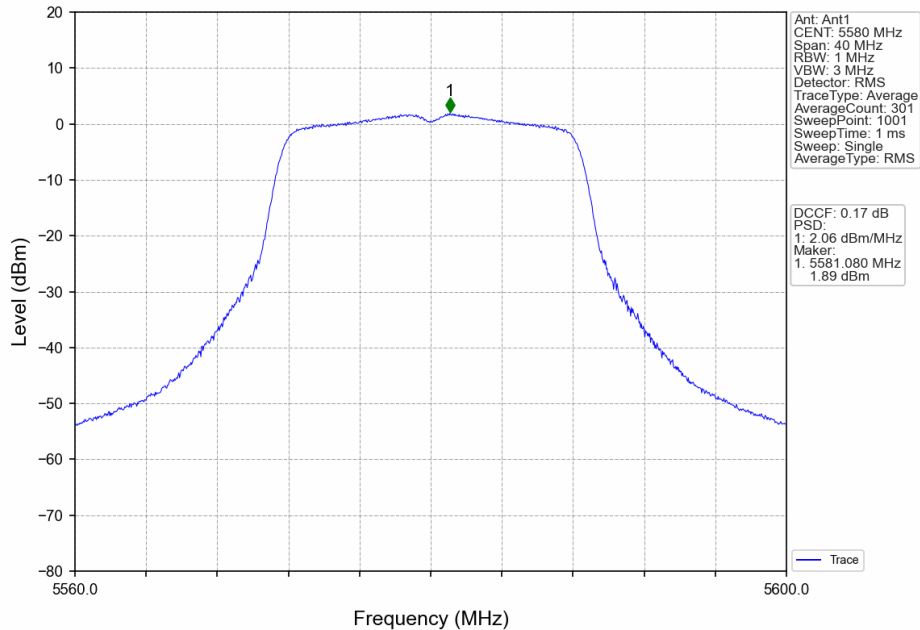
802.11a\_LCH\_5500MHz\_Ant3\_NTNV



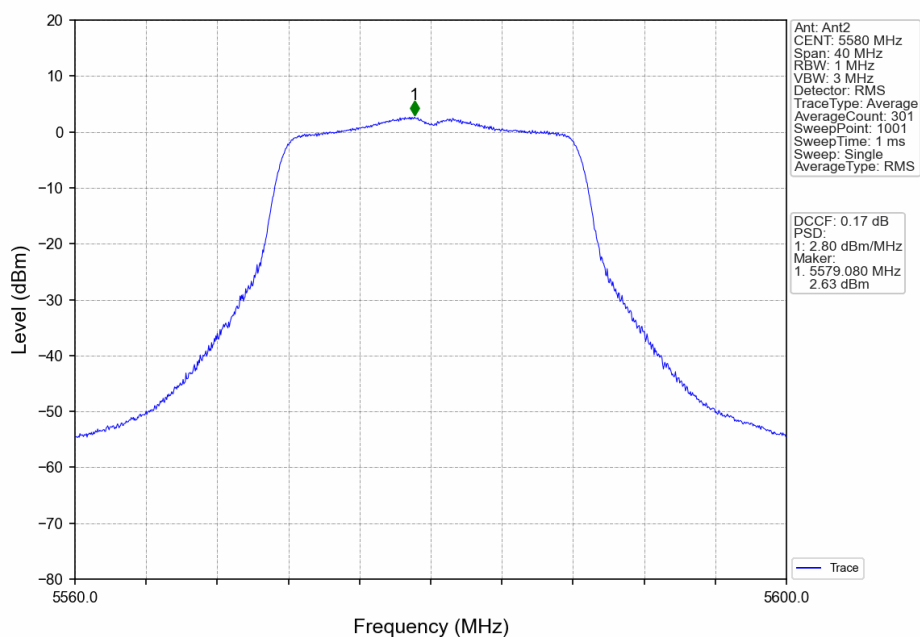
802.11a\_LCH\_5500MHz\_MIMO\_NTNV



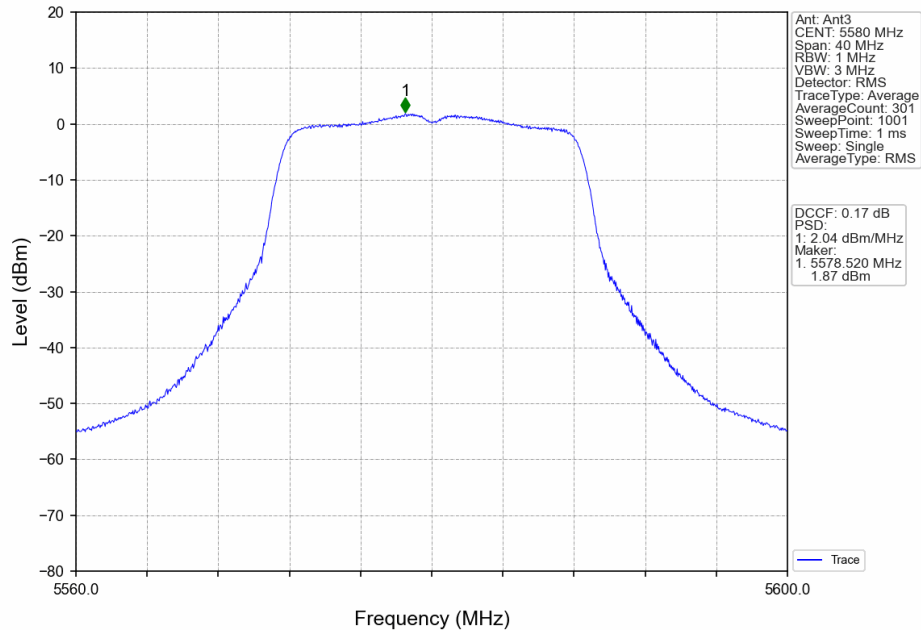
802.11a\_MCH\_5580MHz\_Ant1\_NTNV



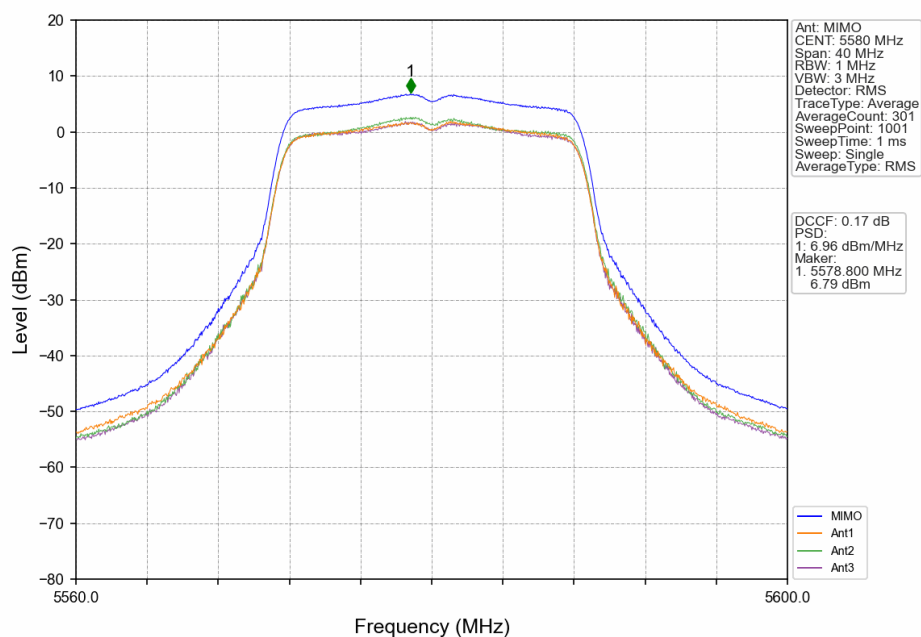
802.11a\_MCH\_5580MHz\_Ant2\_NTNV



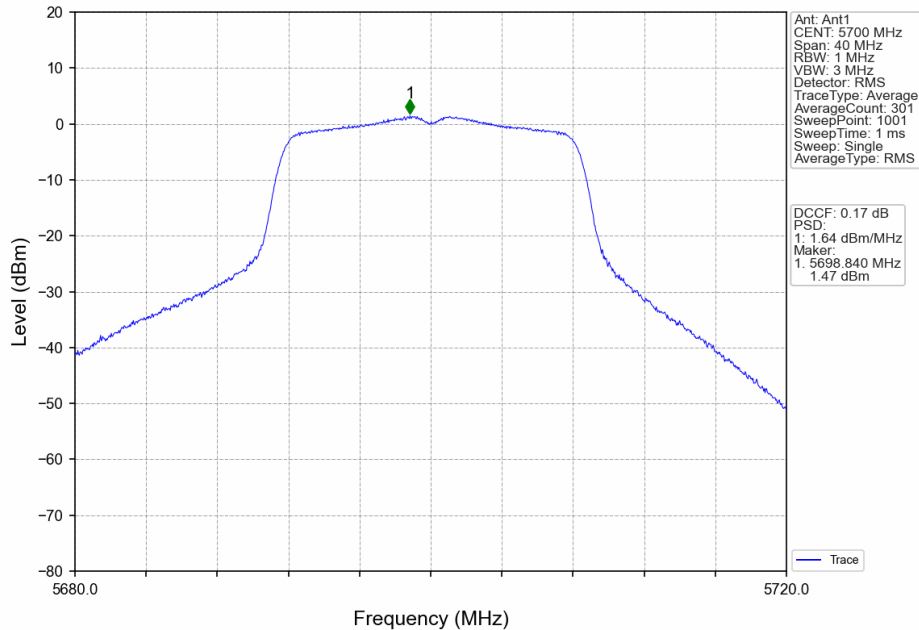
### 802.11a\_MCH\_5580MHz\_Ant3\_NTNV



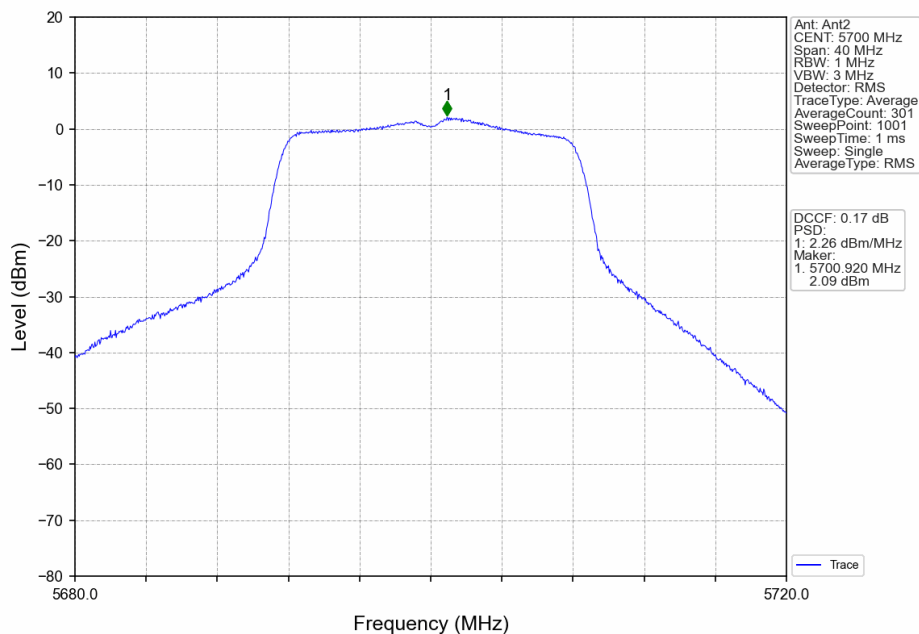
### 802.11a\_MCH\_5580MHz\_MIMO\_NTNV



802.11a\_HCH\_5700MHz\_Ant1\_NTNV

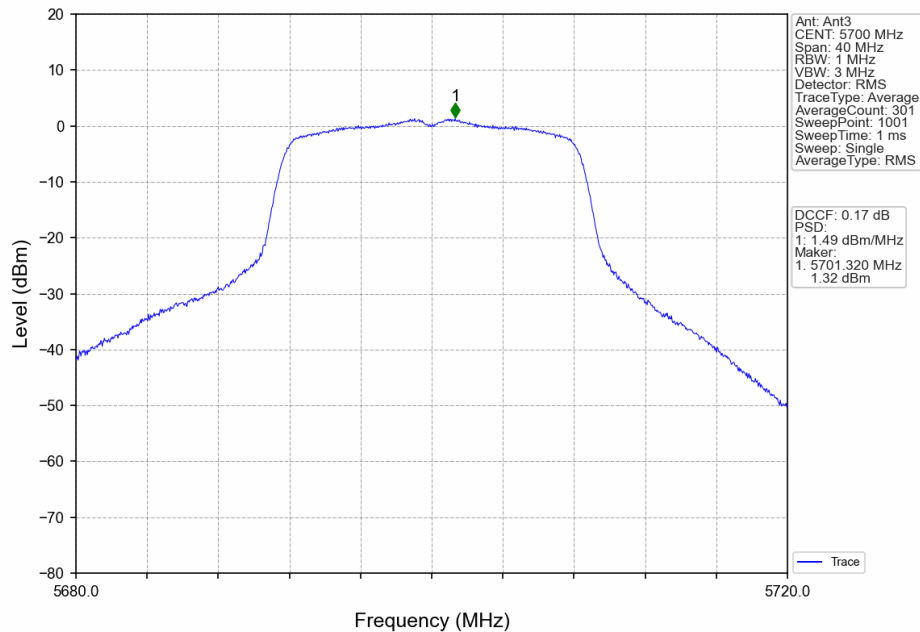


802.11a\_HCH\_5700MHz\_Ant2\_NTNV

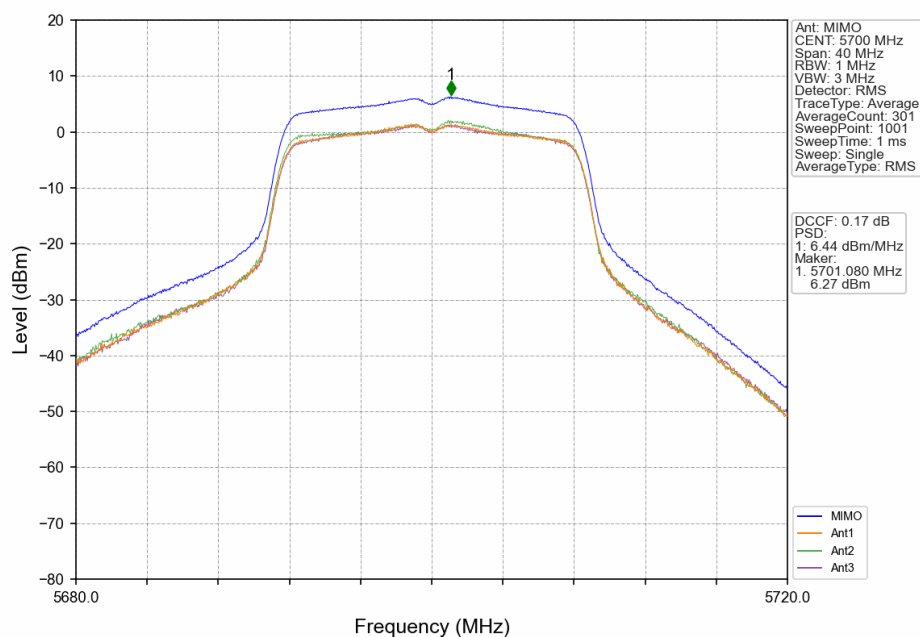




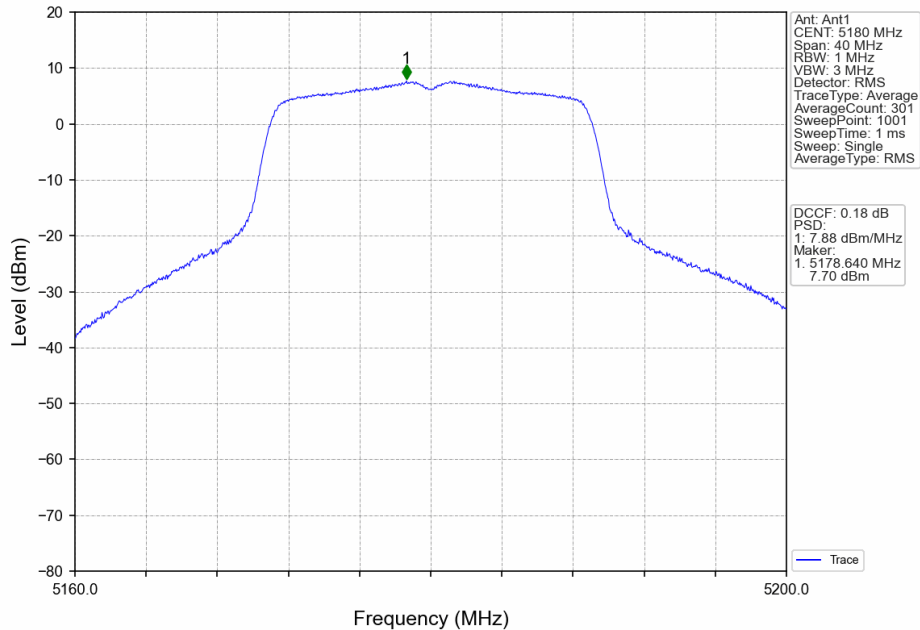
802.11a\_HCH\_5700MHz\_Ant3\_NTNV



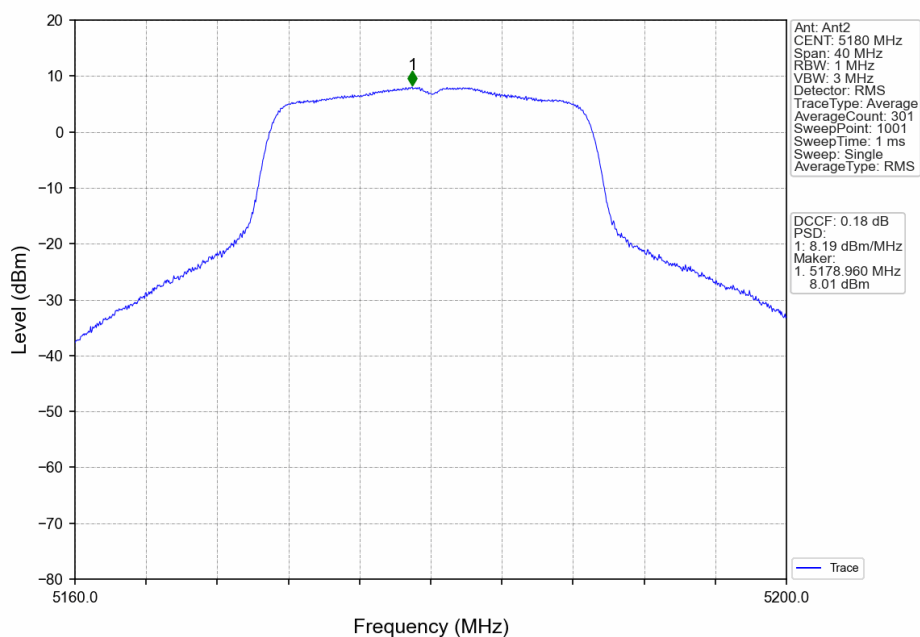
802.11a\_HCH\_5700MHz\_MIMO\_NTNV



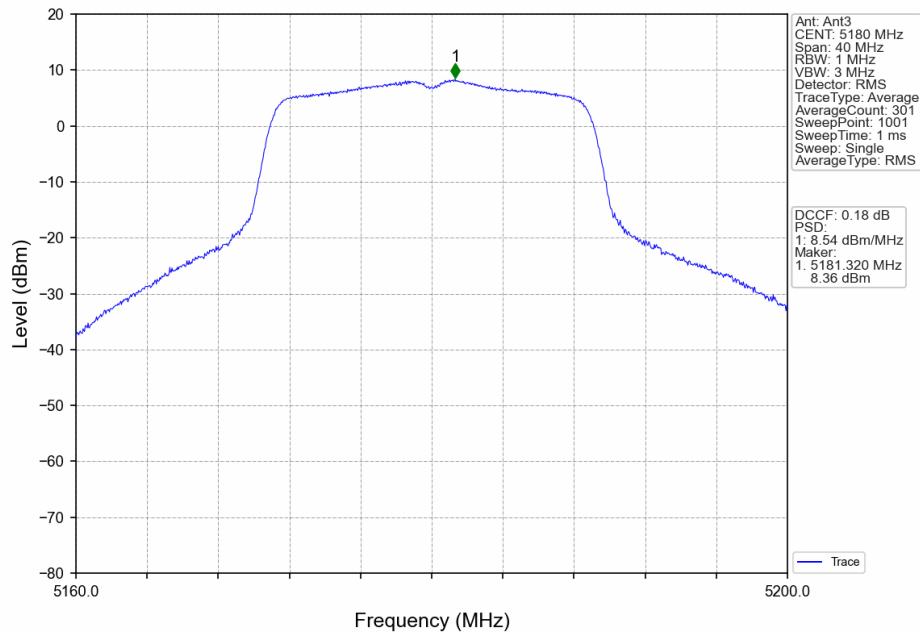
802.11n(HT20)\_LCH\_5180MHz\_Ant1\_NTNV



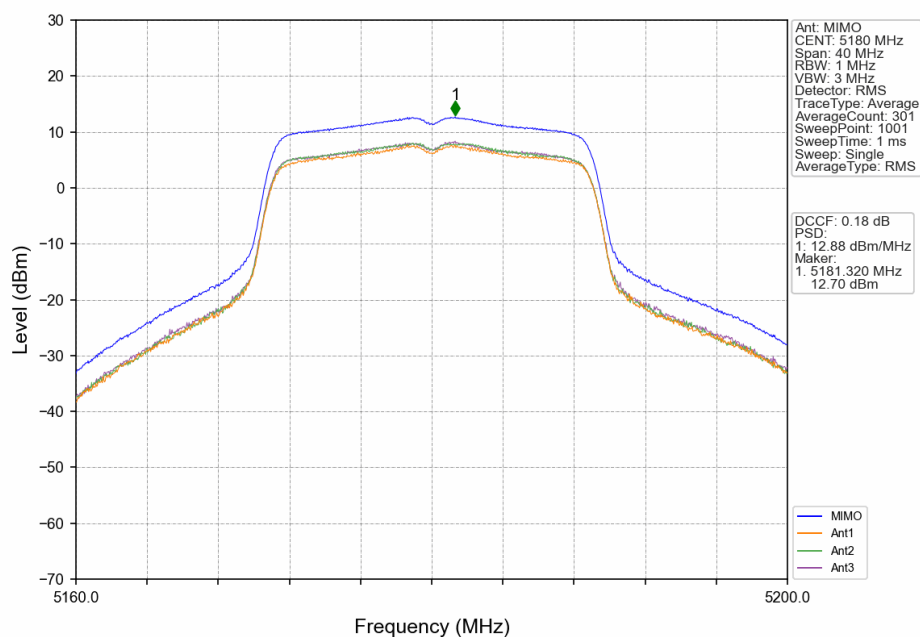
802.11n(HT20)\_LCH\_5180MHz\_Ant2\_NTNV



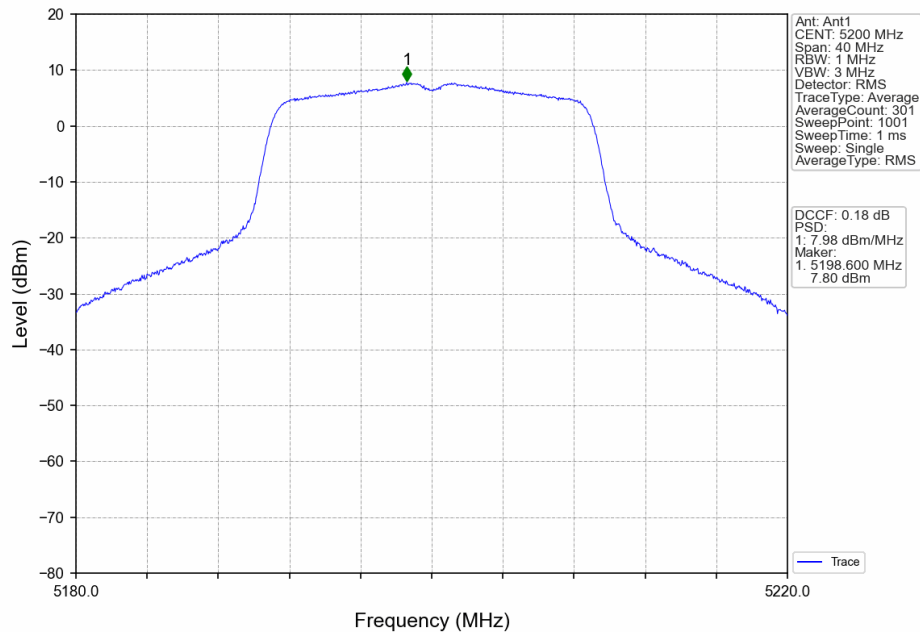
802.11n(HT20)\_LCH\_5180MHz\_Ant3\_NTNV



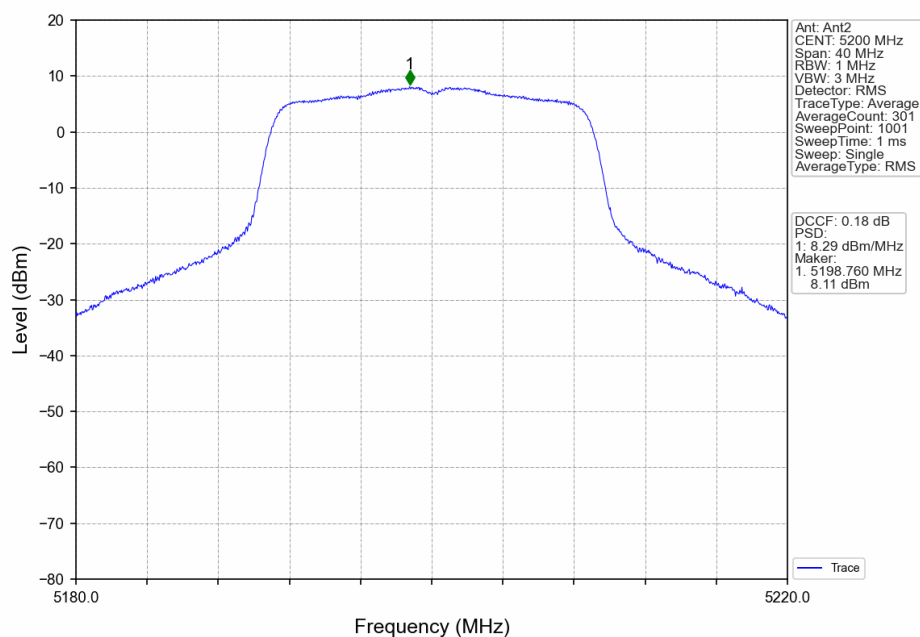
802.11n(HT20)\_LCH\_5180MHz\_MIMO\_NTNV



802.11n(HT20)\_MCH\_5200MHz\_Ant1\_NTNV

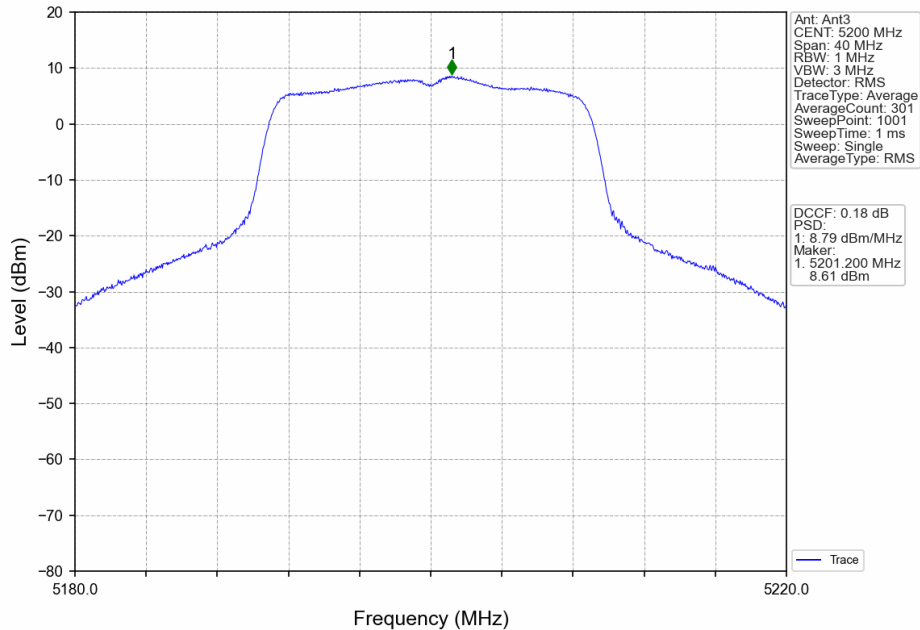


802.11n(HT20)\_MCH\_5200MHz\_Ant2\_NTNV





802.11n(HT20)\_MCH\_5200MHz\_Ant3\_NTNV



802.11n(HT20)\_MCH\_5200MHz\_MIMO\_NTNV

