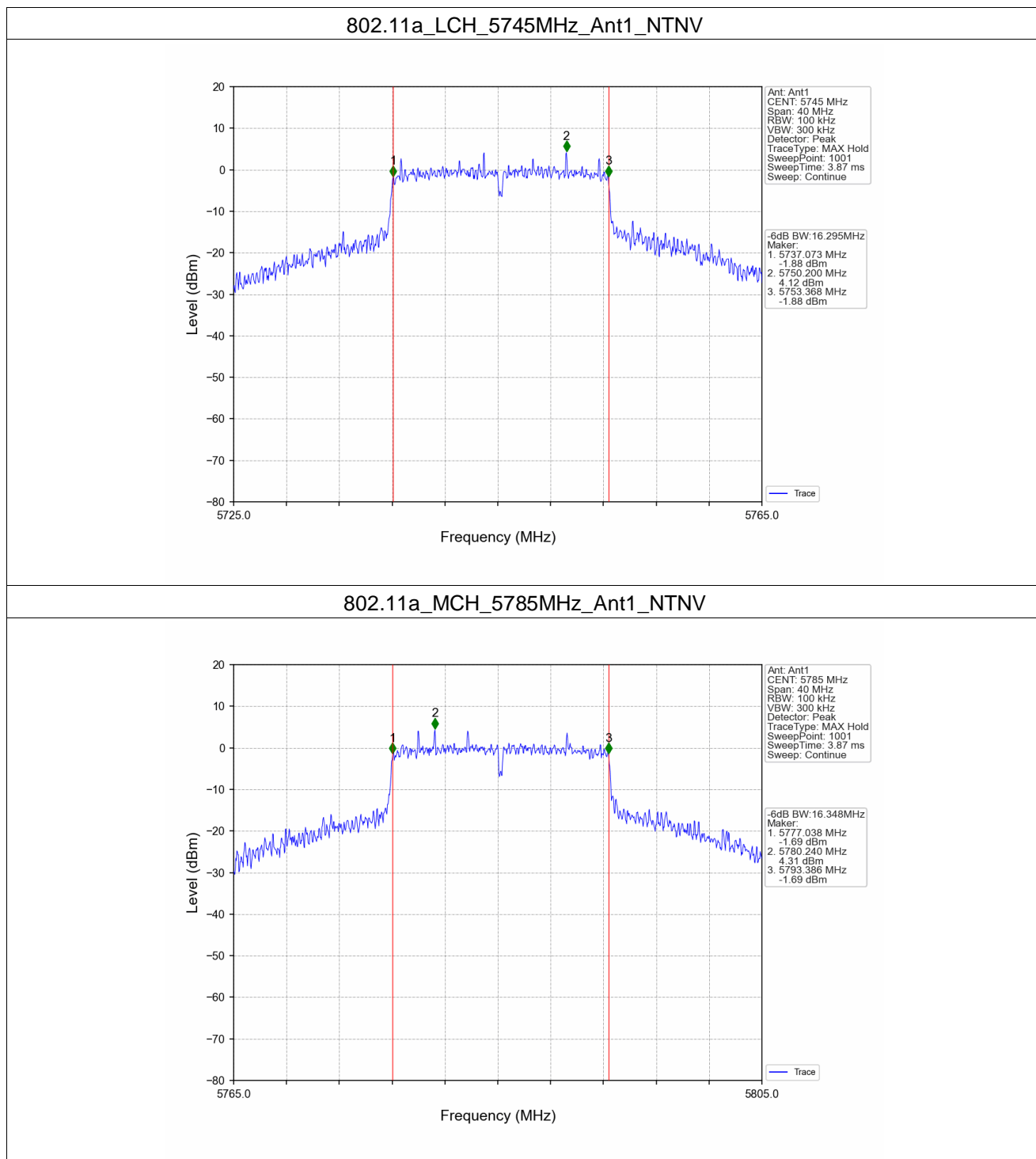


2.2.2 6dB BW



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.

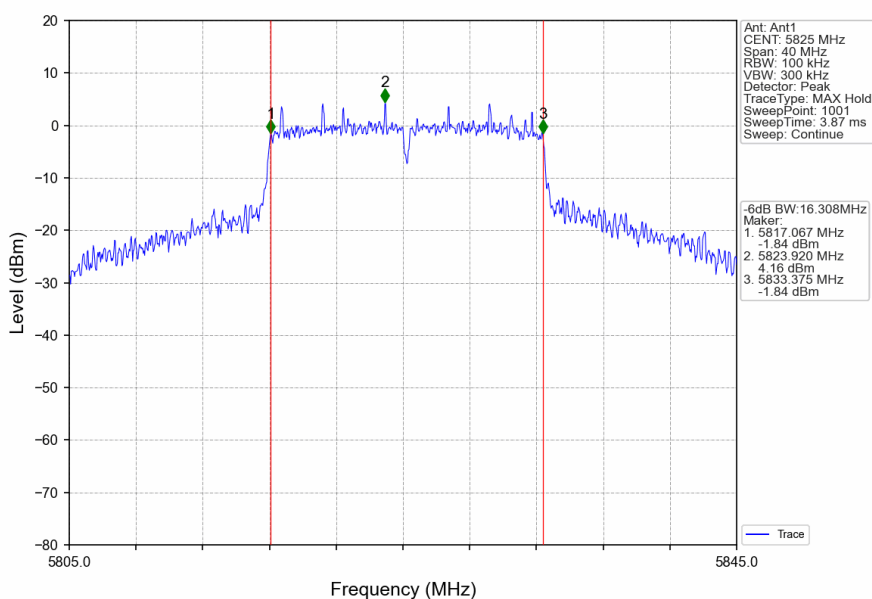
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch (CMAA, CNAS, EEC Laboratory)

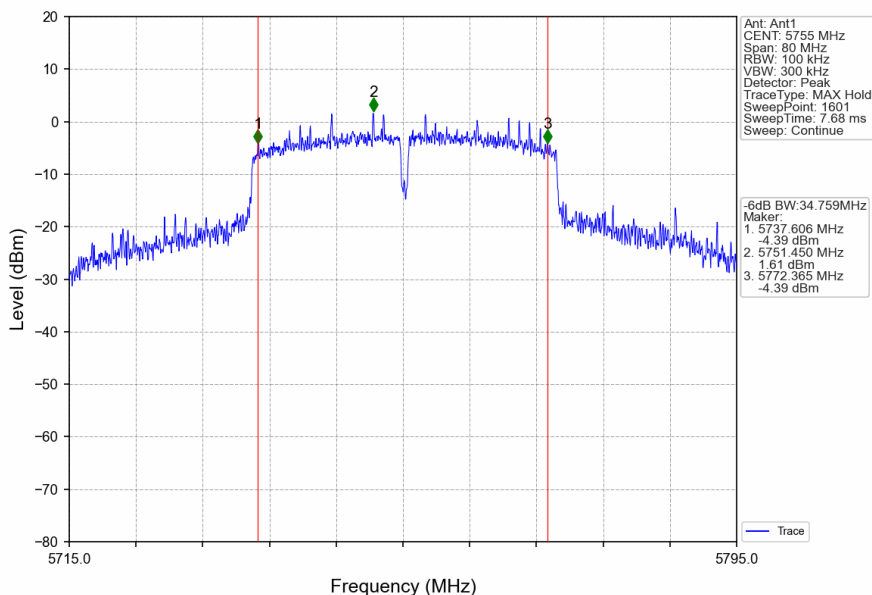
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

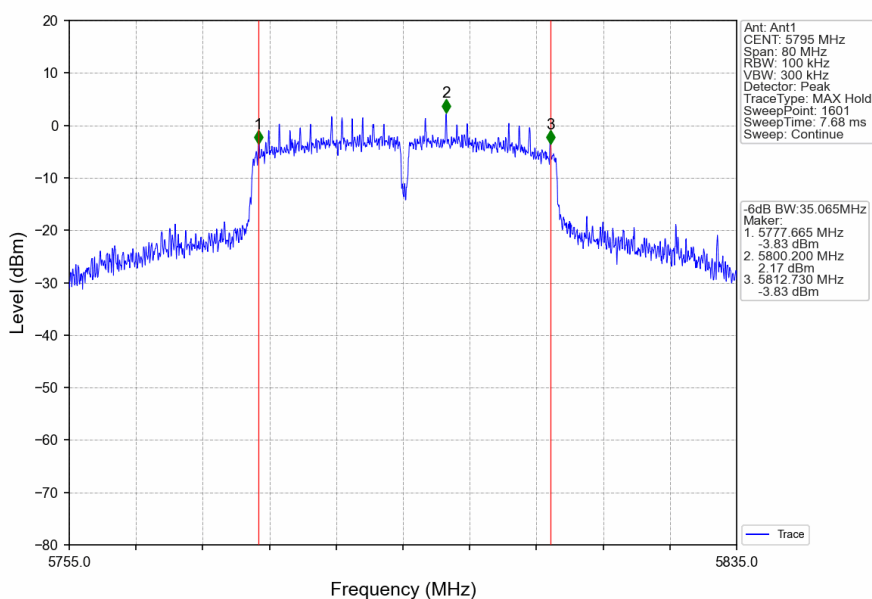
802.11a_HCH_5825MHz_Ant1_NTNV



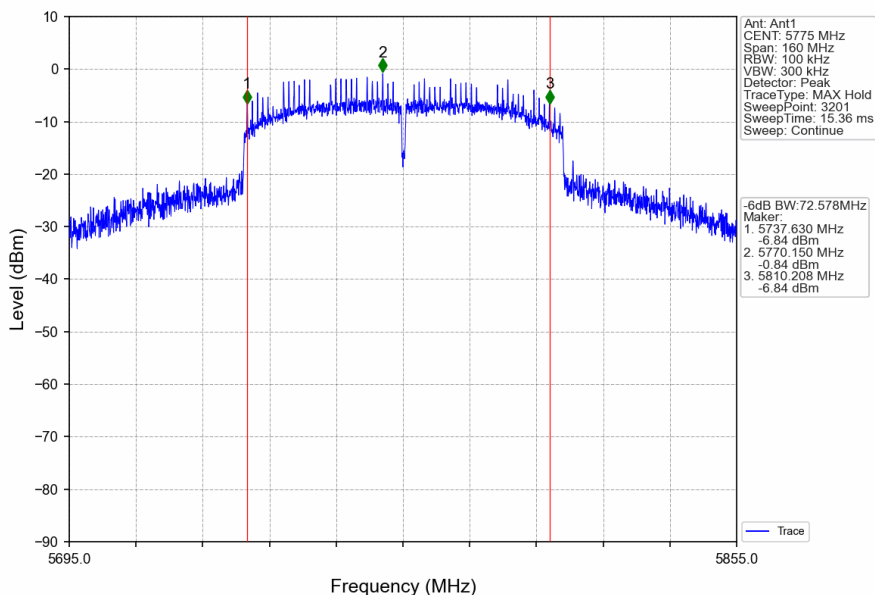
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



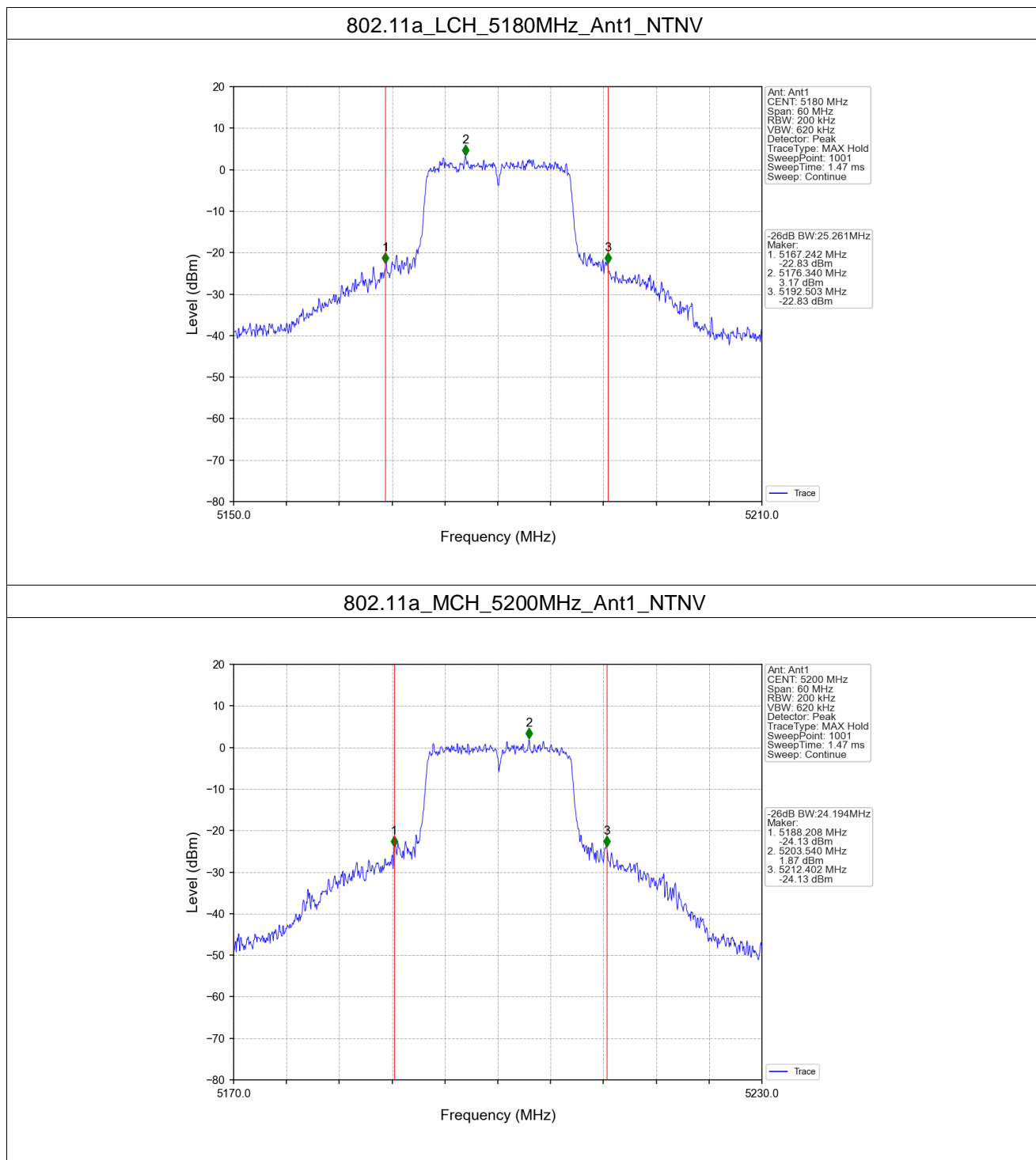
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



2.2.3 26dB BW



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.

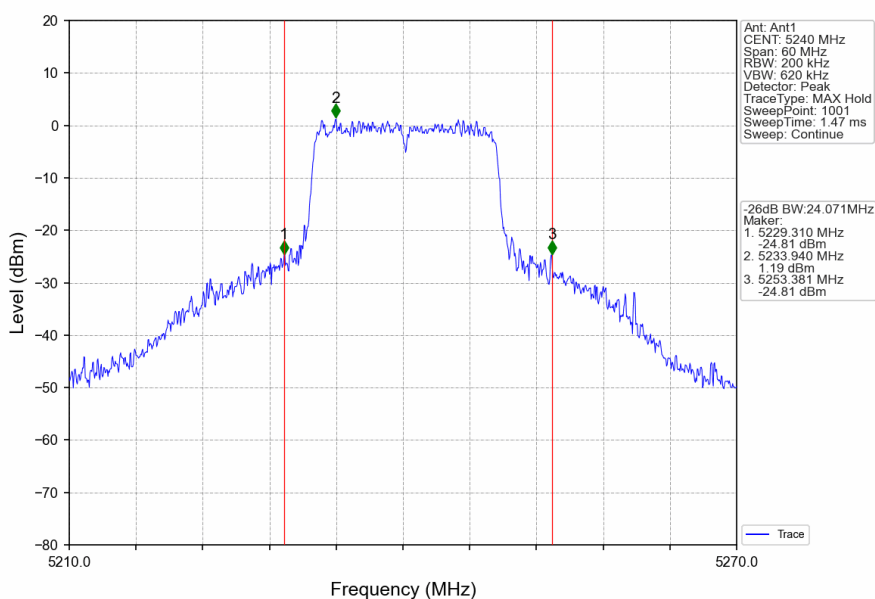
Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch (CMAA, CNAS, EEC Laboratory)

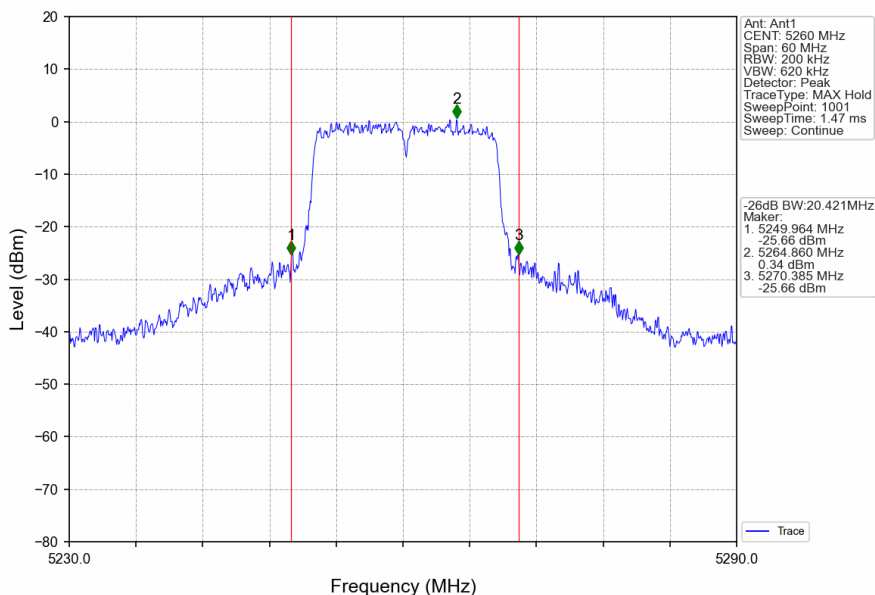
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

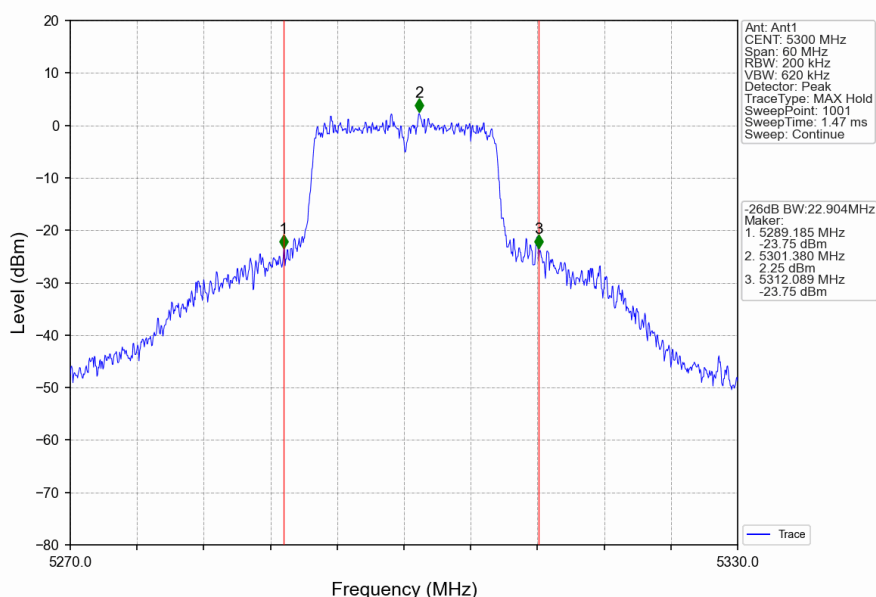
802.11a_HCH_5240MHz_Ant1_NTNV



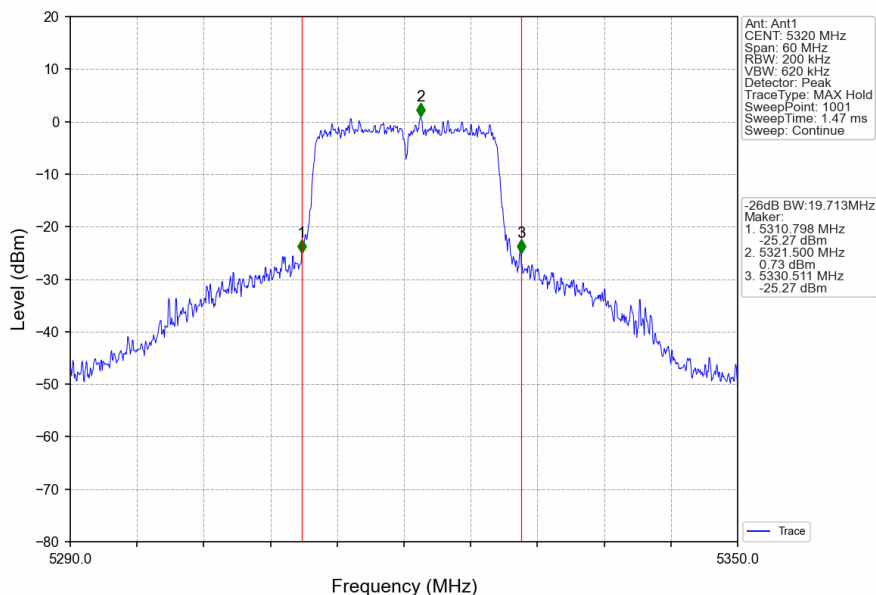
802.11a_LCH_5260MHz_Ant1_NTNV



802.11a_MCH_5300MHz_Ant1_NTNV



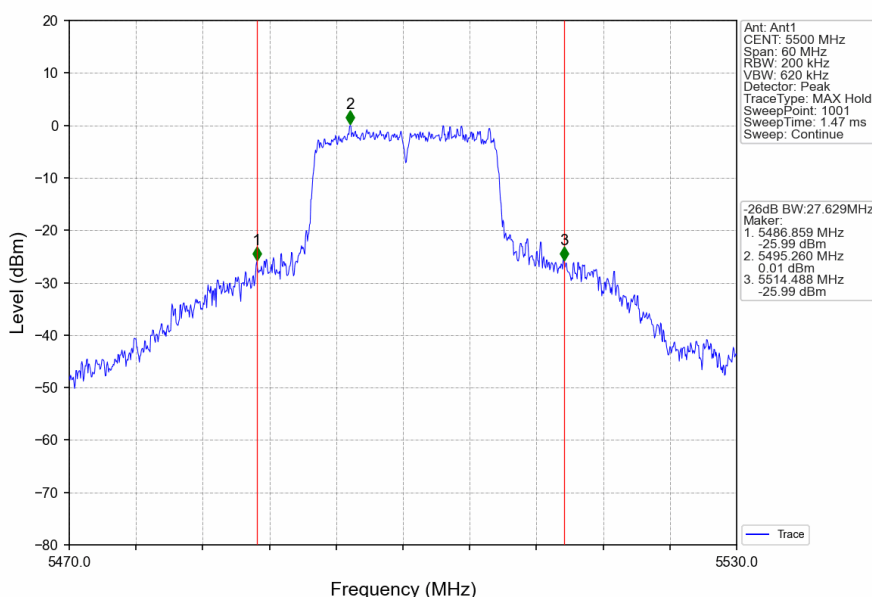
802.11a_HCH_5320MHz_Ant1_NTNV



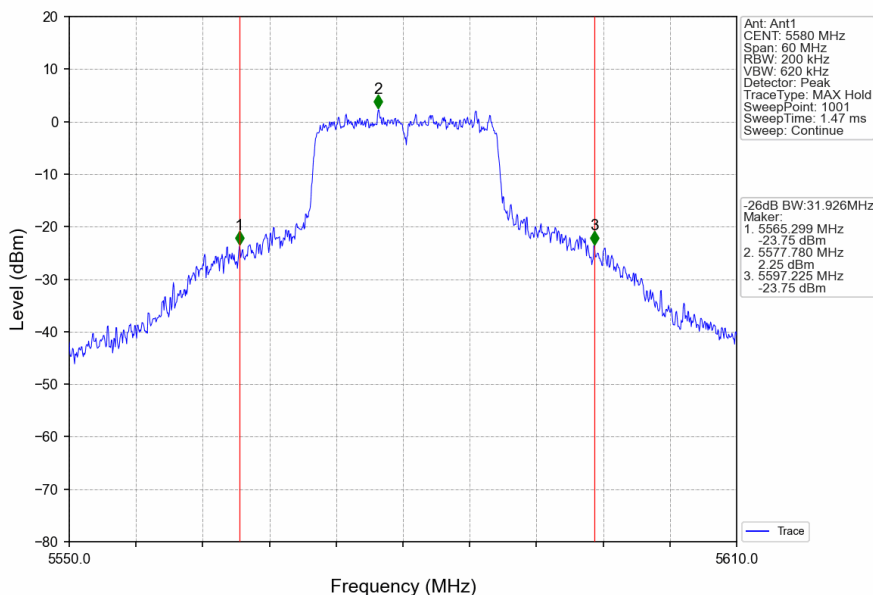
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

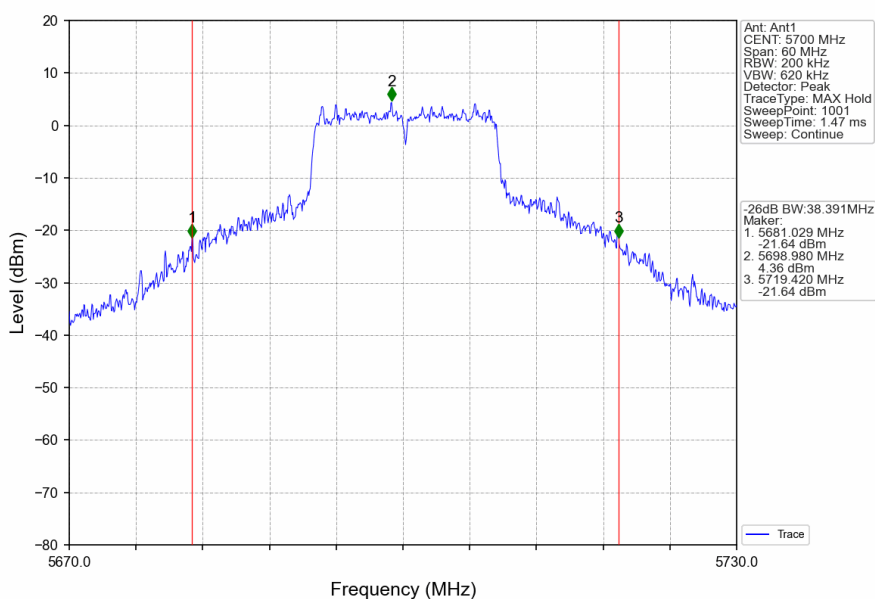
802.11a_LCH_5500MHz_Ant1_NTNV



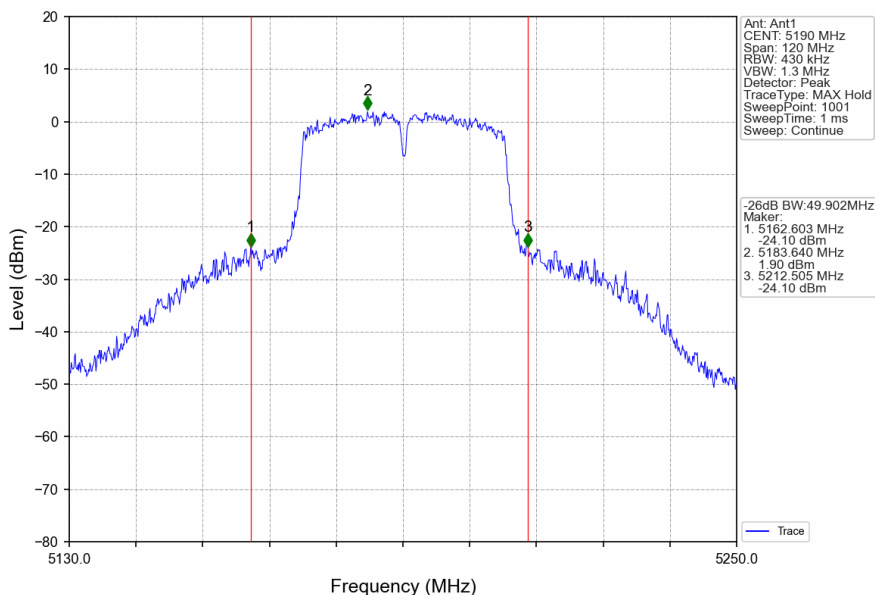
802.11a_MCH_5580MHz_Ant1_NTNV



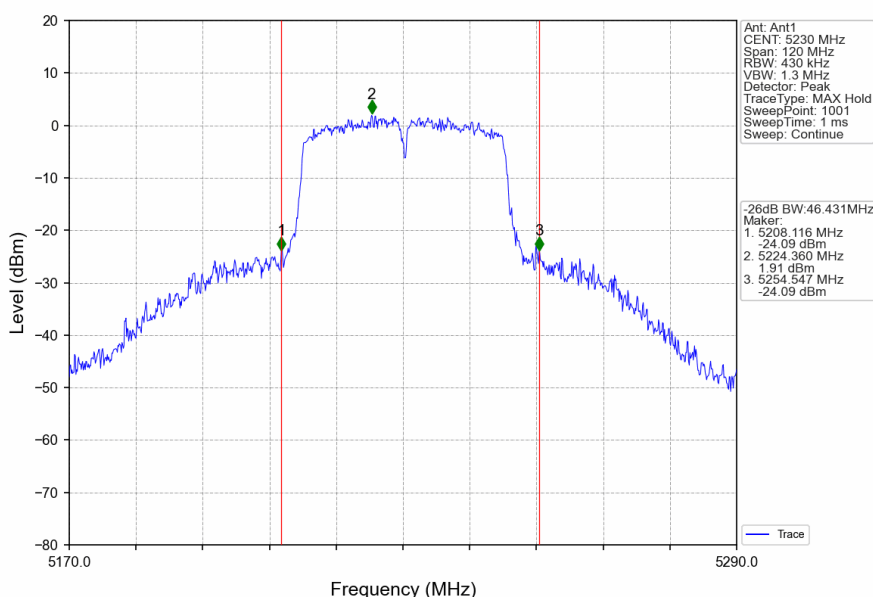
802.11a_HCH_5700MHz_Ant1_NTNV



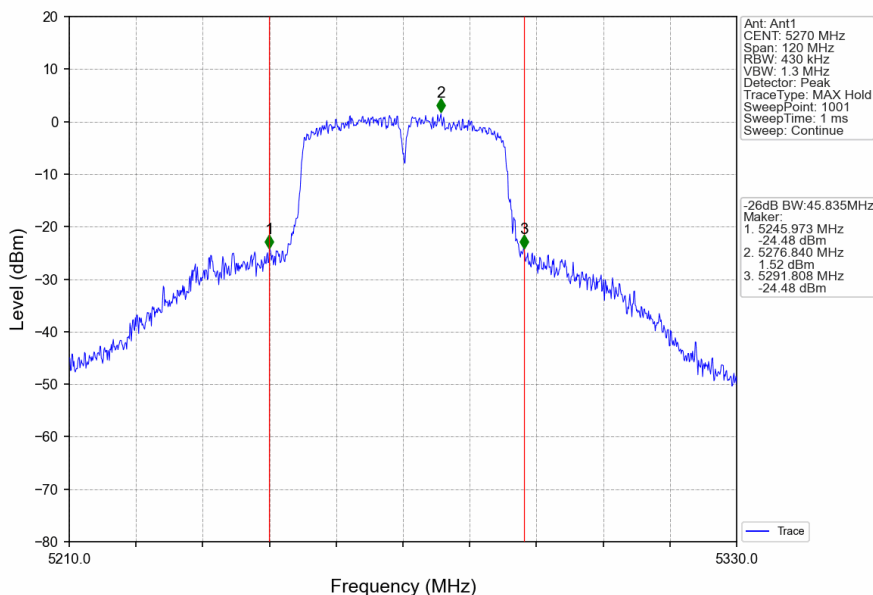
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



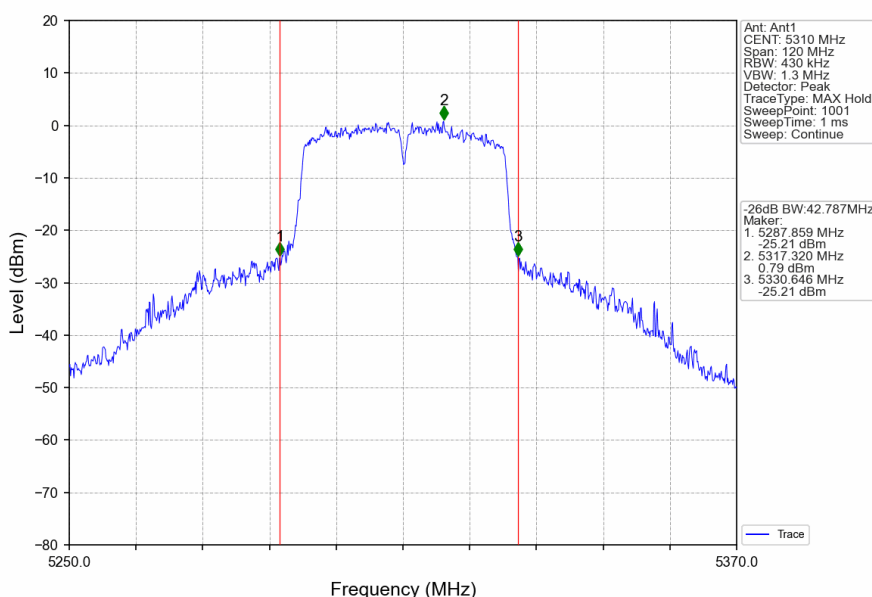
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



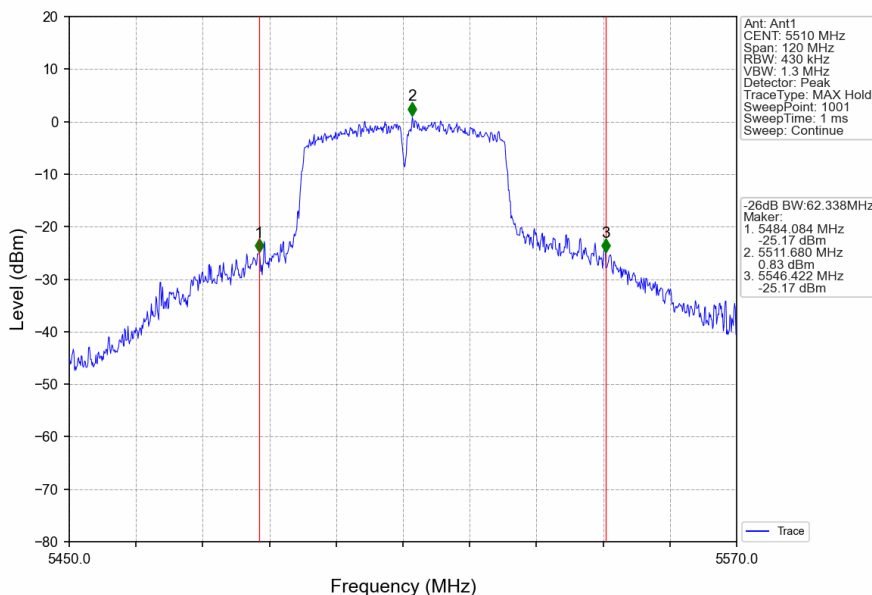
802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



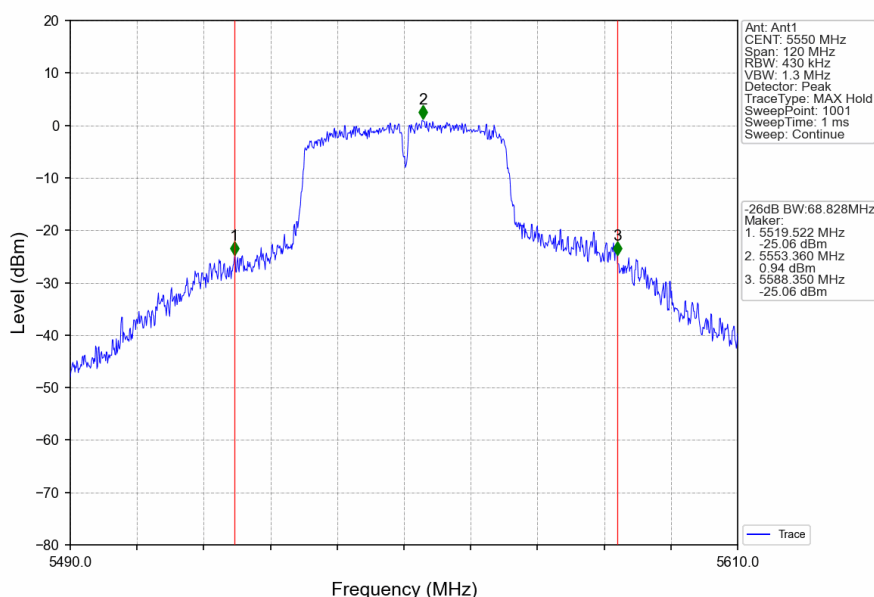
802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



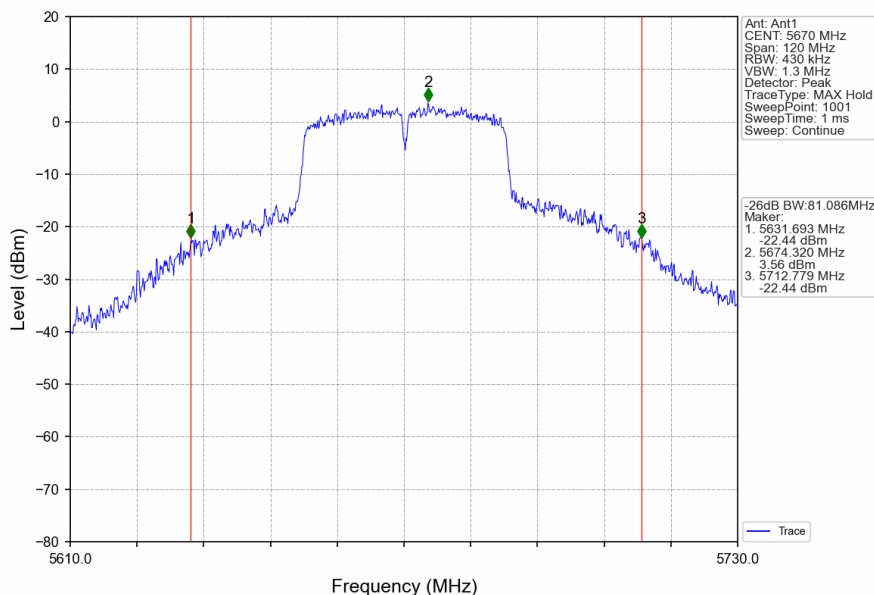
802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



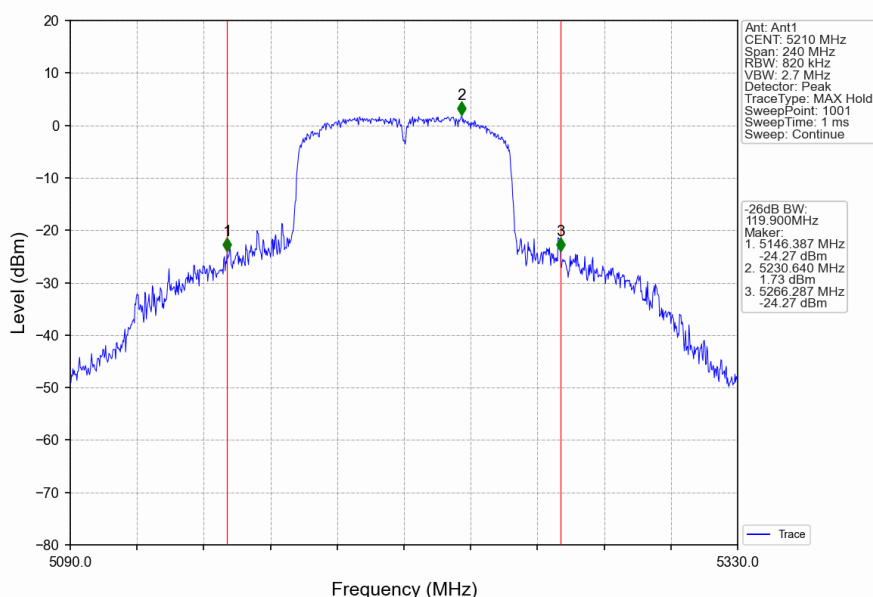
802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



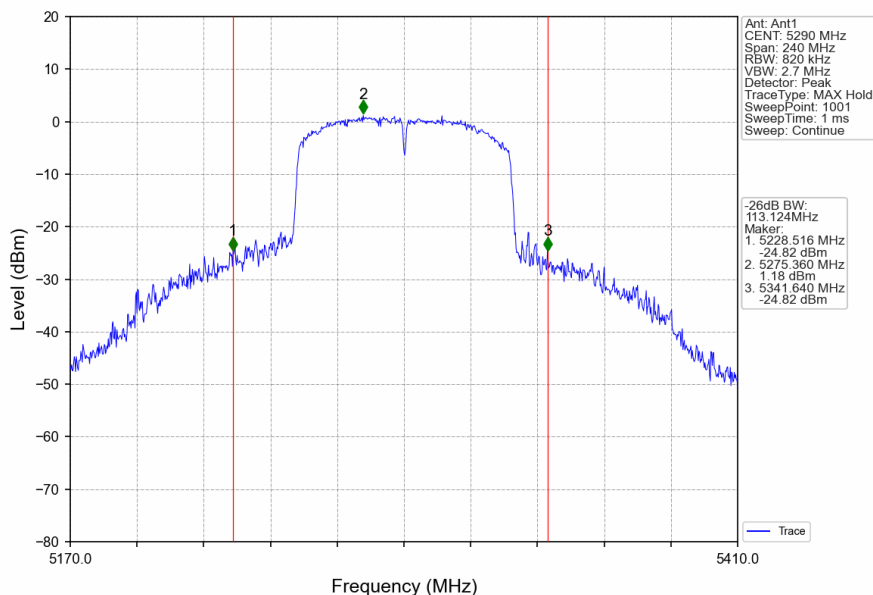
802.11n(HT40)_HCH_5670MHz_Ant1_NTNV



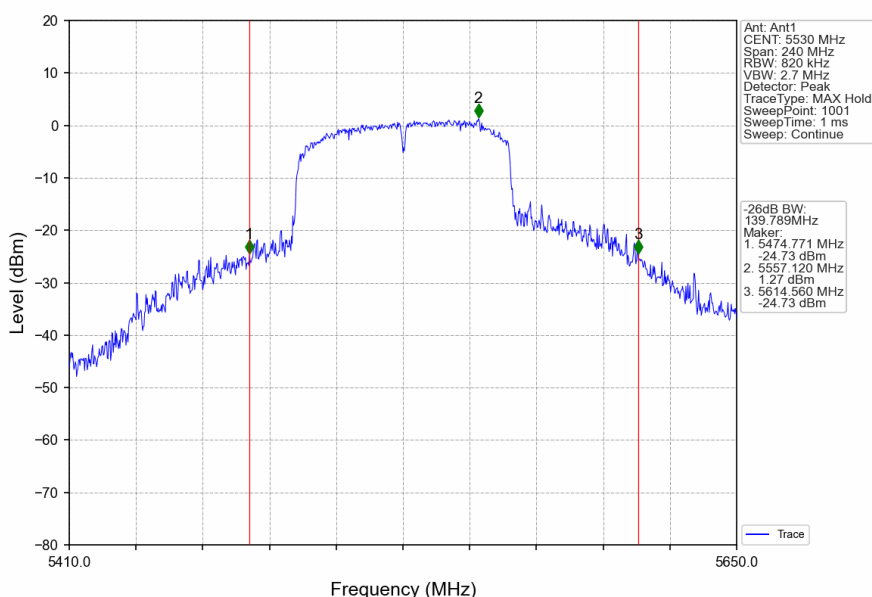
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



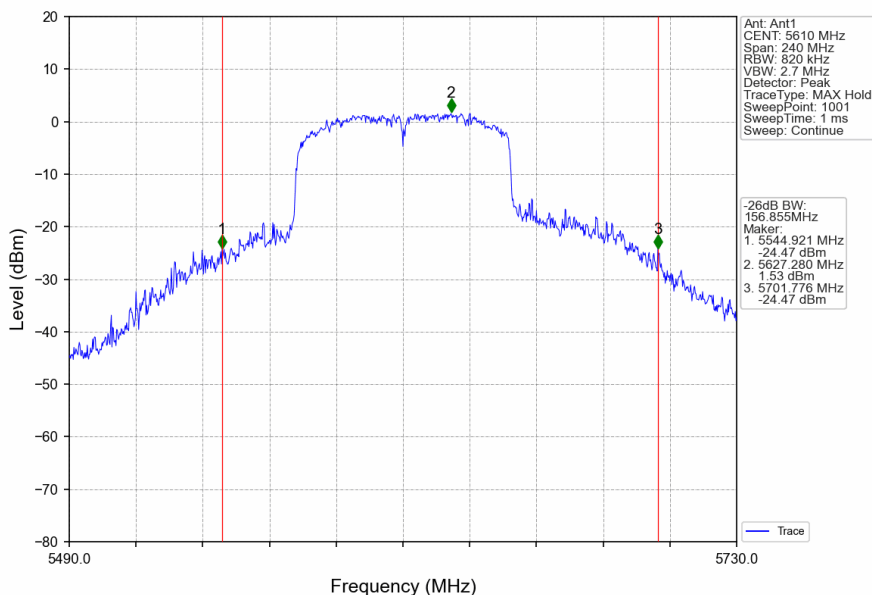
802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

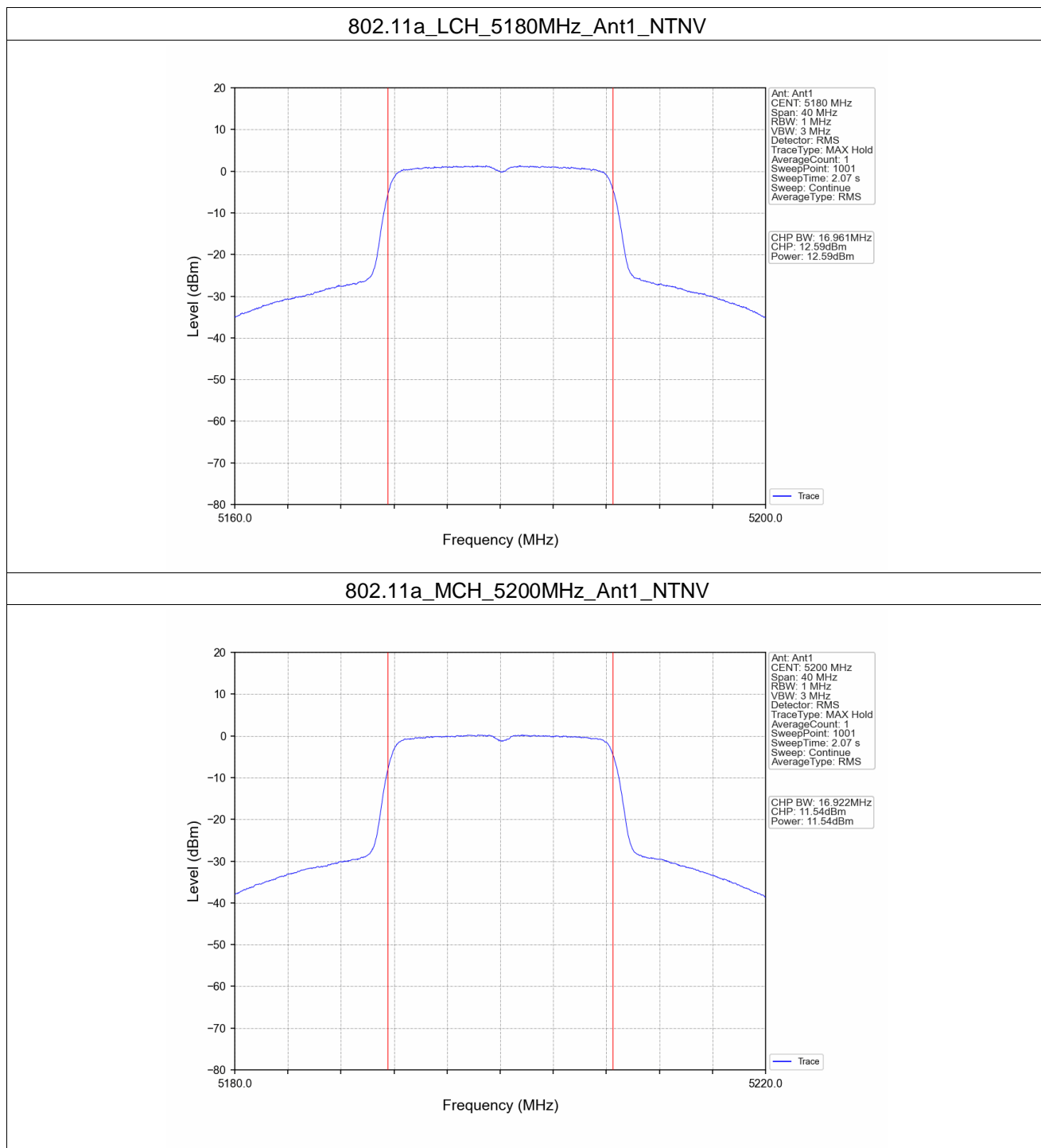
3.1.1 Power

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5180	12.59	/	/	<=23.98	Pass
		5200	11.54	/	/	<=23.98	Pass
		5240	11.41	/	/	<=23.98	Pass
		5260	10.75	/	/	<=23.98	Pass
		5300	11.88	/	/	<=23.98	Pass
		5320	10.50	/	/	<=23.95	Pass
		5500	9.96	/	/	<=23.98	Pass
		5580	12.28	/	/	<=23.98	Pass
		5700	14.59	/	/	<=23.98	Pass
		5745	14.87	/	/	<=30	Pass
		5785	15.29	/	/	<=30	Pass
		5825	15.04	/	/	<=30	Pass
802.11n (HT40)	SISO	5190	12.50	/	/	<=23.97	Pass
		5230	12.16	/	/	<=23.97	Pass
		5270	11.63	/	/	<=23.97	Pass
		5310	10.66	/	/	<=23.97	Pass
		5510	10.52	/	/	<=23.97	Pass
		5550	11.80	/	/	<=23.97	Pass
		5670	13.93	/	/	<=23.97	Pass
		5755	15.16	/	/	<=29.99	Pass
		5795	15.28	/	/	<=29.99	Pass
802.11ac (VHT80)	SISO	5210	11.66	/	/	<=23.97	Pass
		5290	10.66	/	/	<=23.97	Pass
		5530	11.38	/	/	<=23.97	Pass
		5610	12.38	/	/	<=23.97	Pass
		5775	15.10	/	/	<=29.99	Pass

Note1: Antenna Gain: 2.84 dBi

3.2 Test Graph

3.2.1 Power



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.

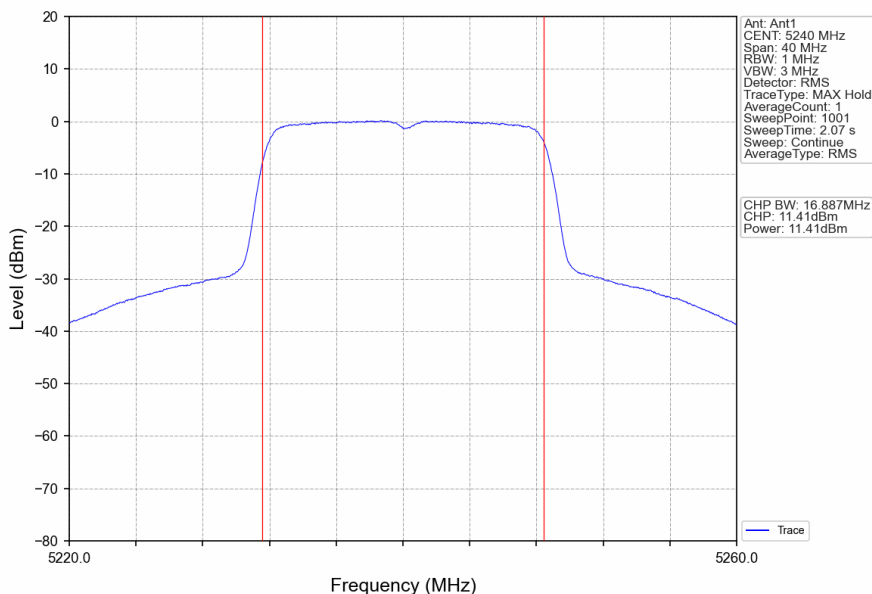
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

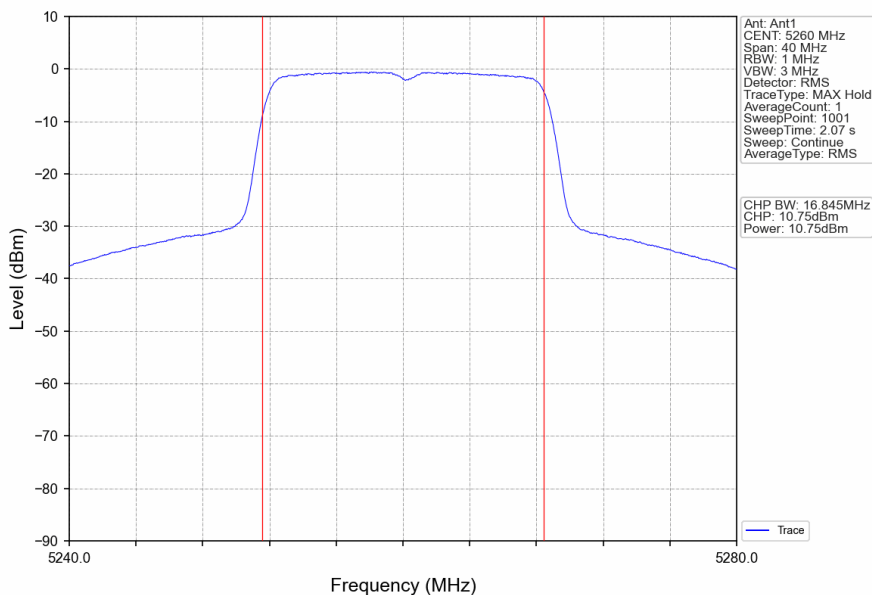
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

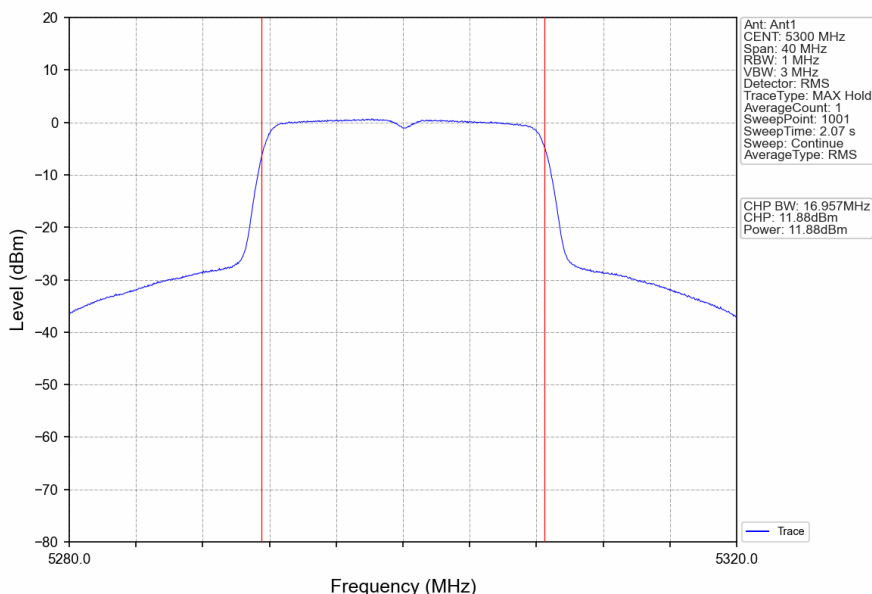
802.11a_HCH_5240MHz_Ant1_NTNV



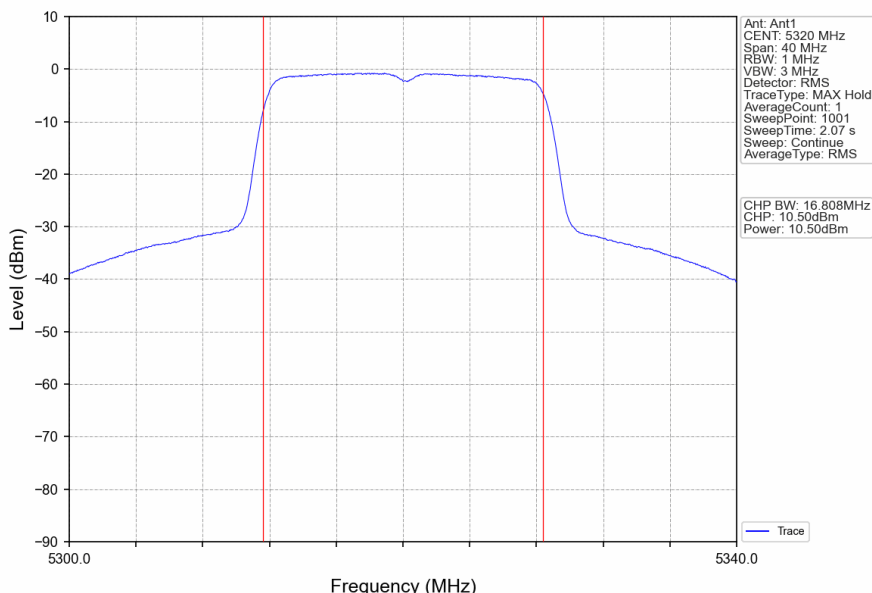
802.11a_LCH_5260MHz_Ant1_NTNV



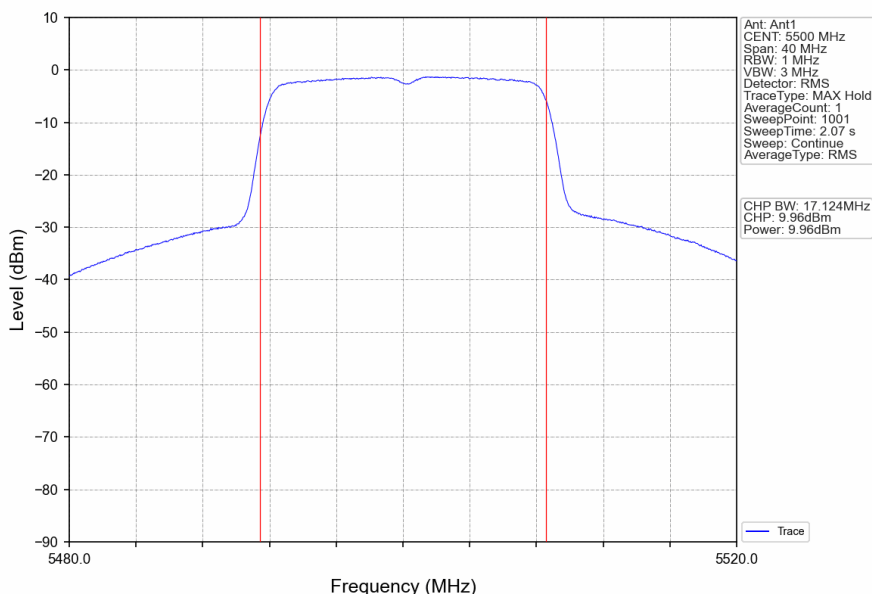
802.11a_MCH_5300MHz_Ant1_NTNV



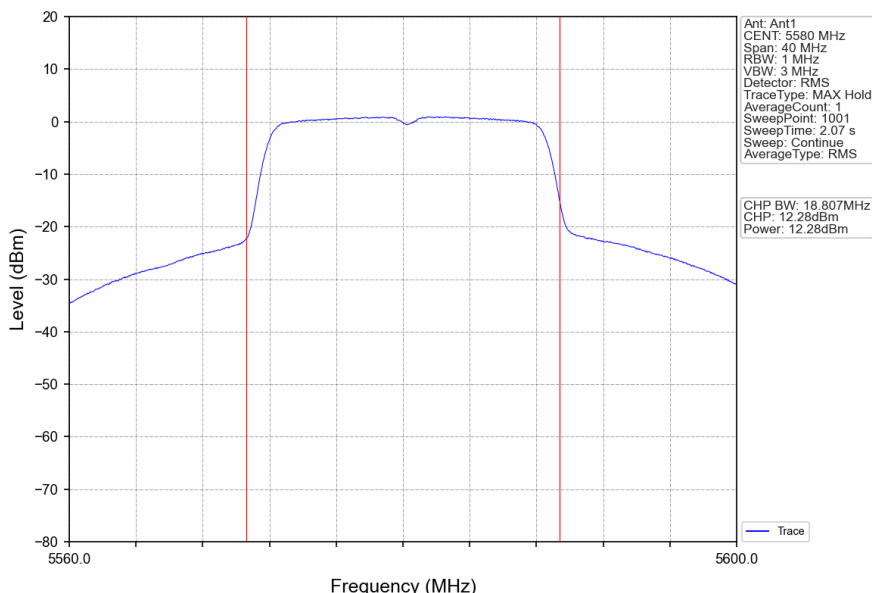
802.11a_HCH_5320MHz_Ant1_NTNV



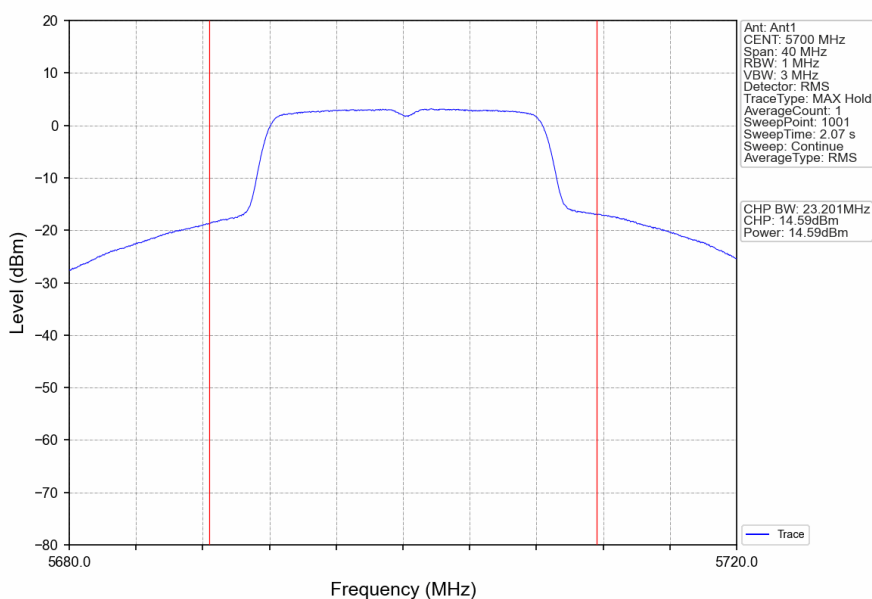
802.11a_LCH_5500MHz_Ant1_NTNV



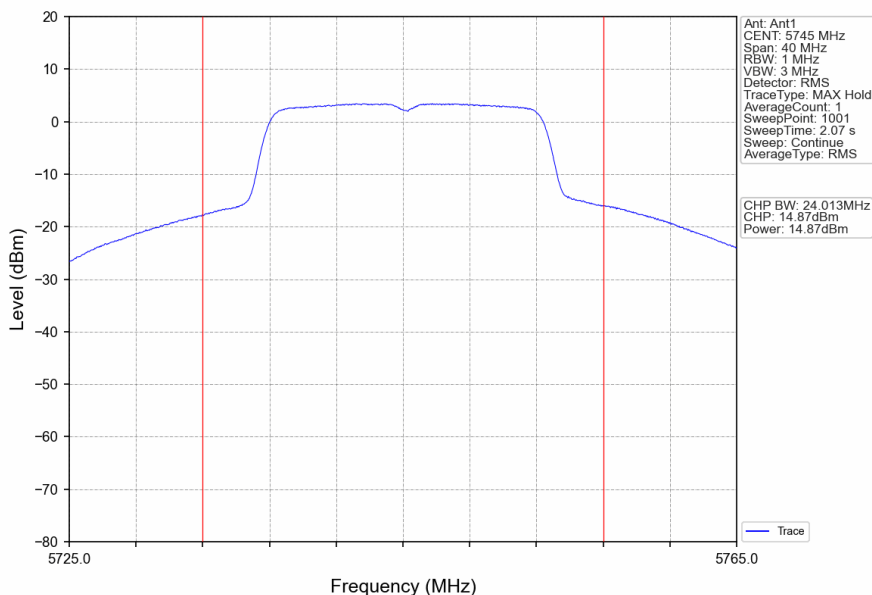
802.11a_MCH_5580MHz_Ant1_NTNV



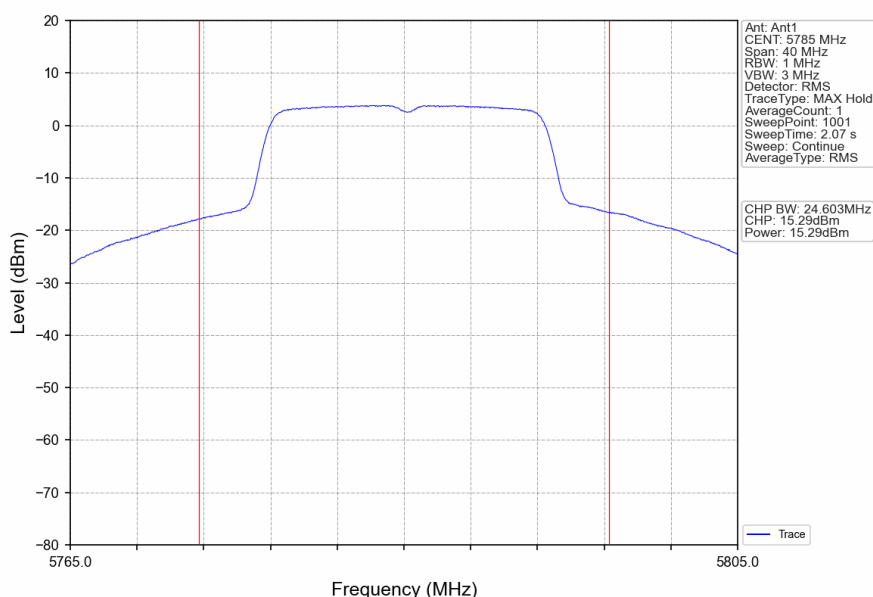
802.11a_HCH_5700MHz_Ant1_NTNV



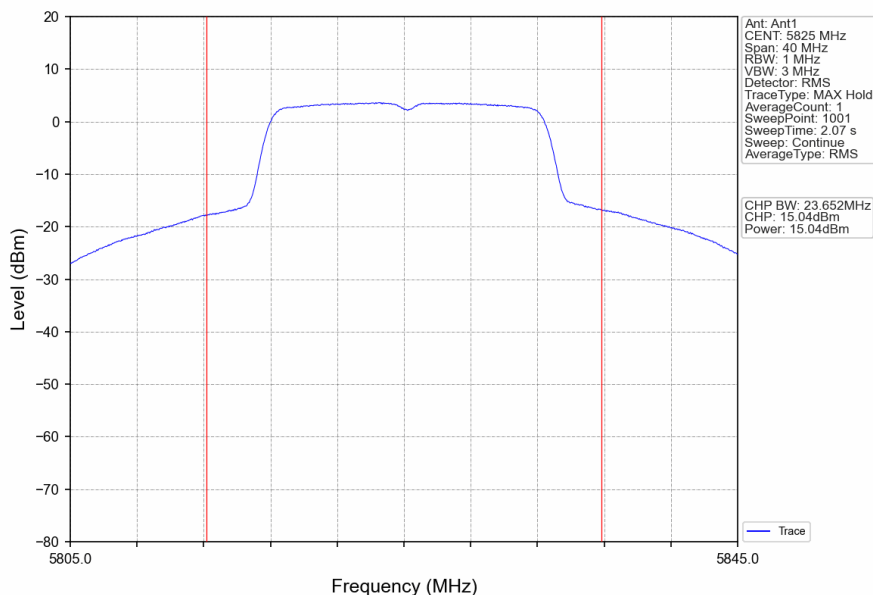
802.11a_LCH_5745MHz_Ant1_NTNV



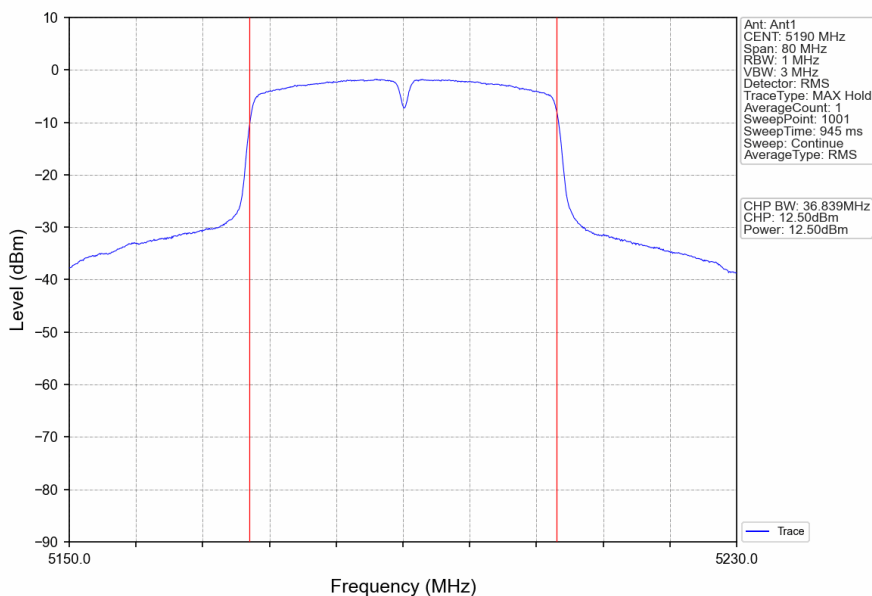
802.11a_MCH_5785MHz_Ant1_NTNV



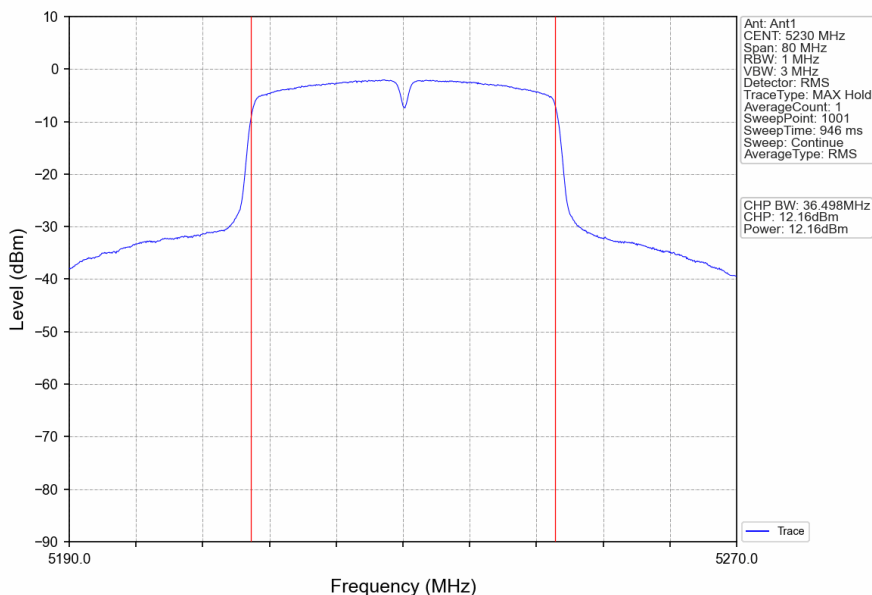
802.11a_HCH_5825MHz_Ant1_NTNV



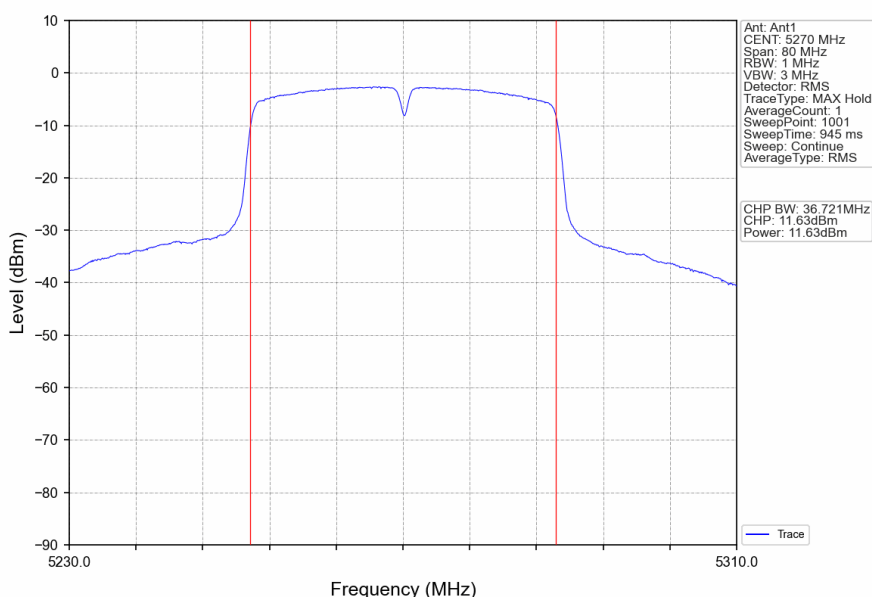
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



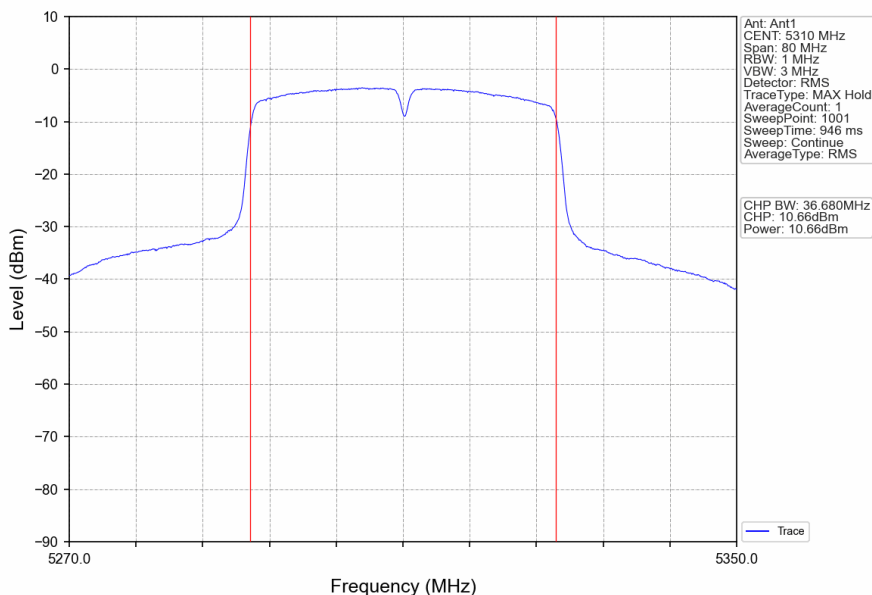
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



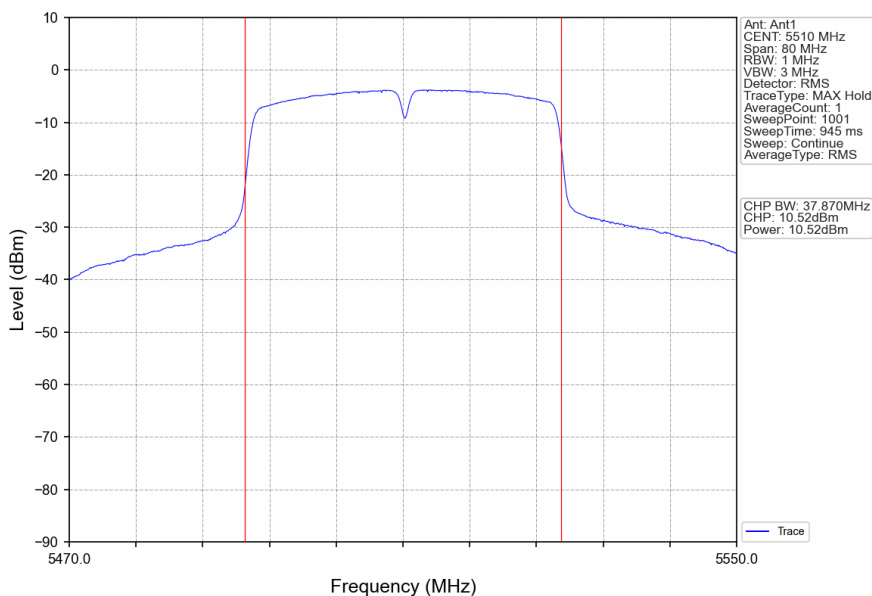
802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



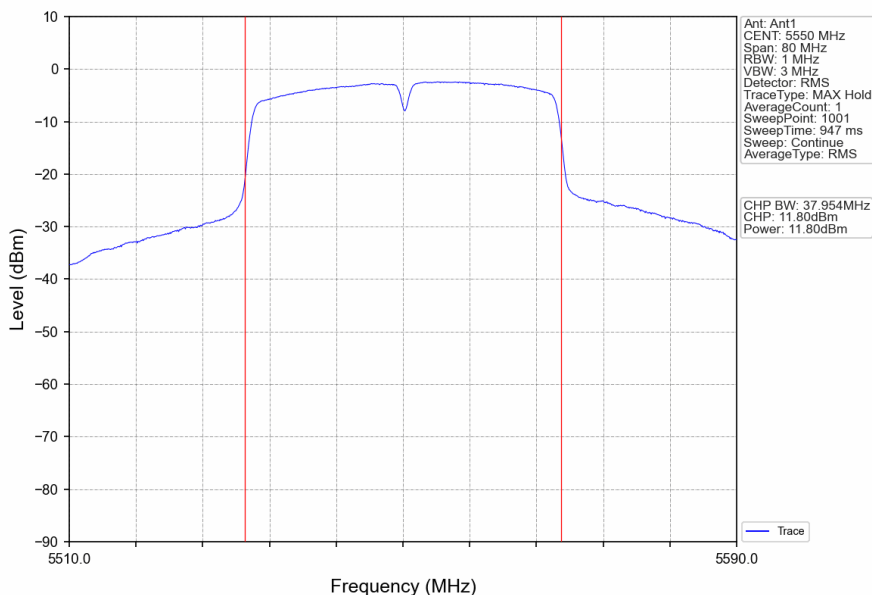
802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



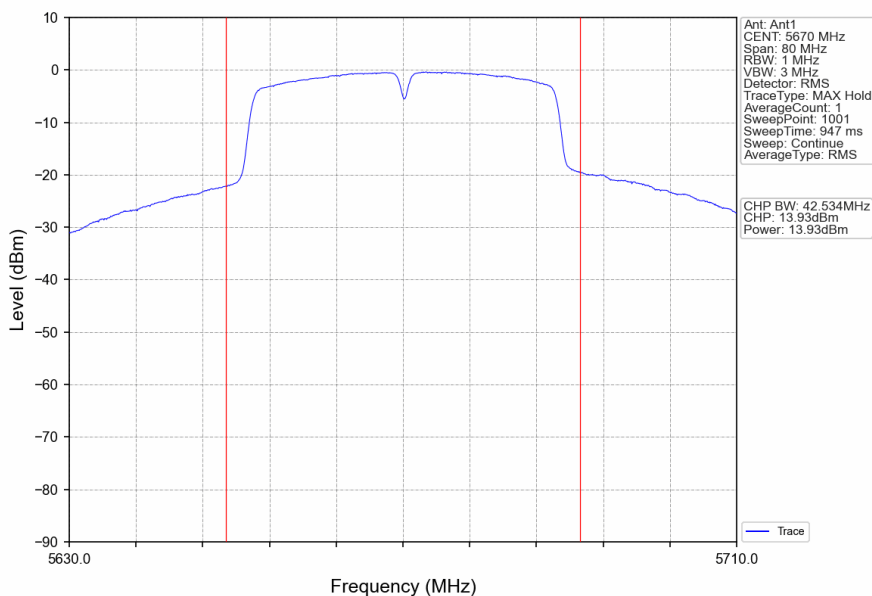
802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



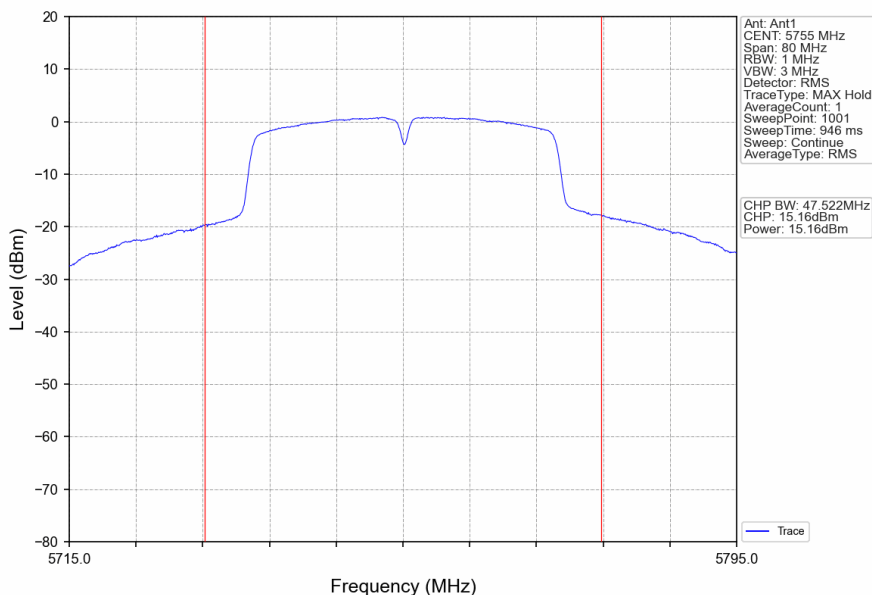
802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



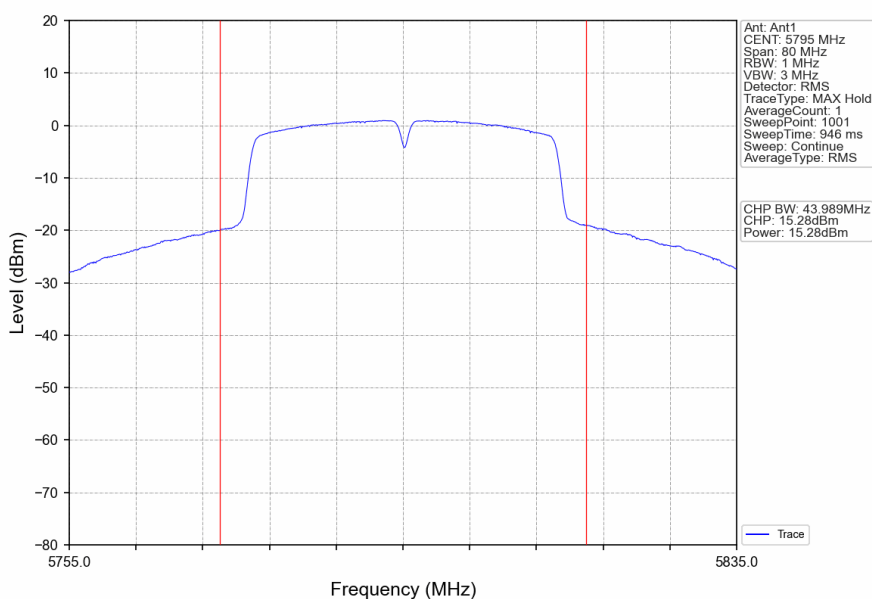
802.11n(HT40)_HCH_5670MHz_Ant1_NTNV



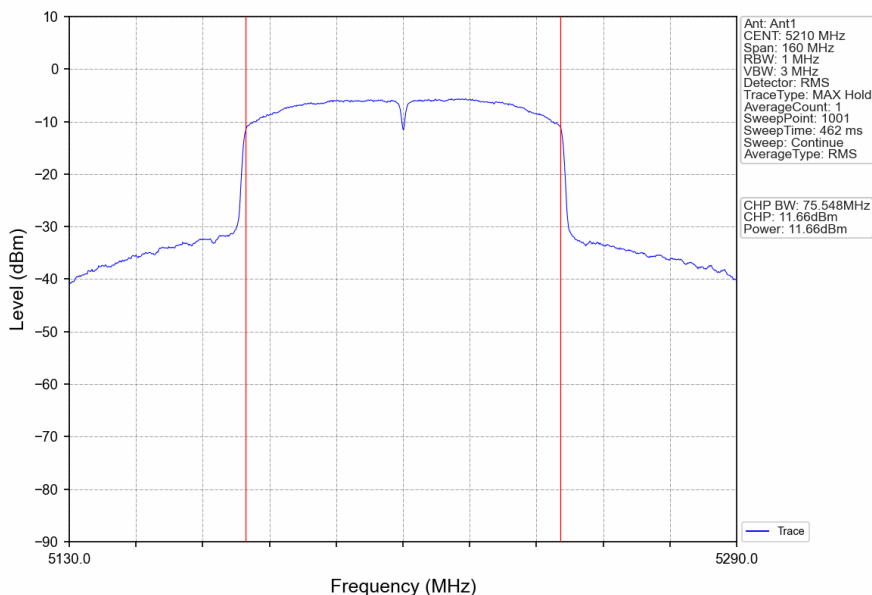
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



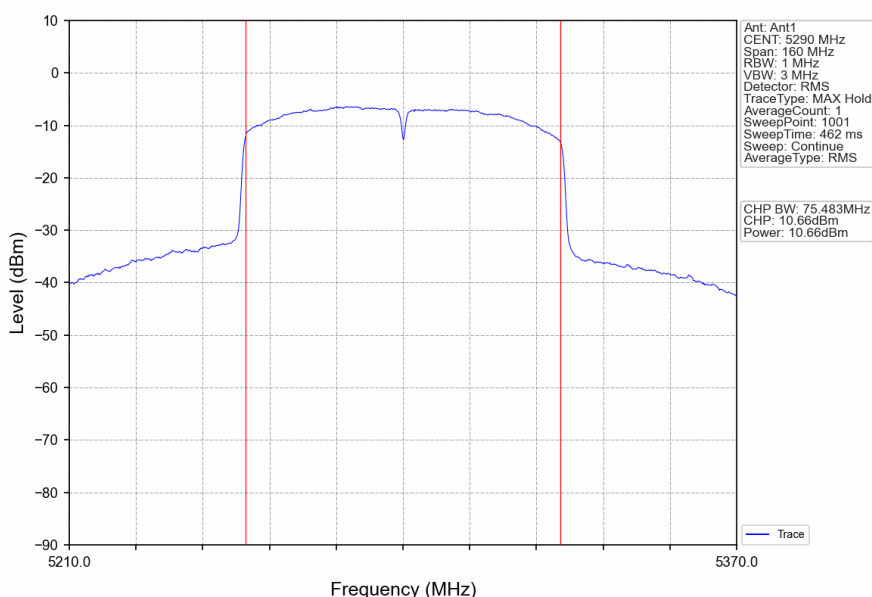
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



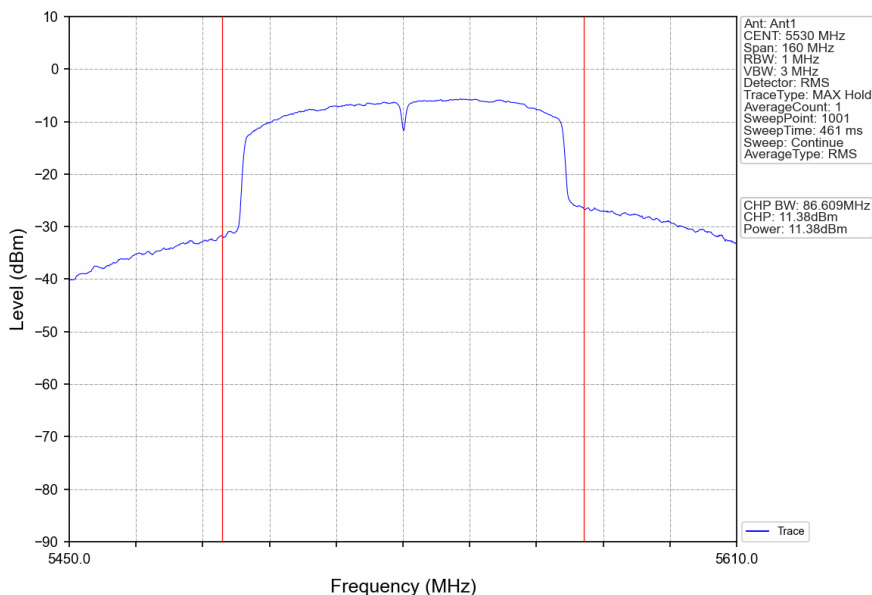
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



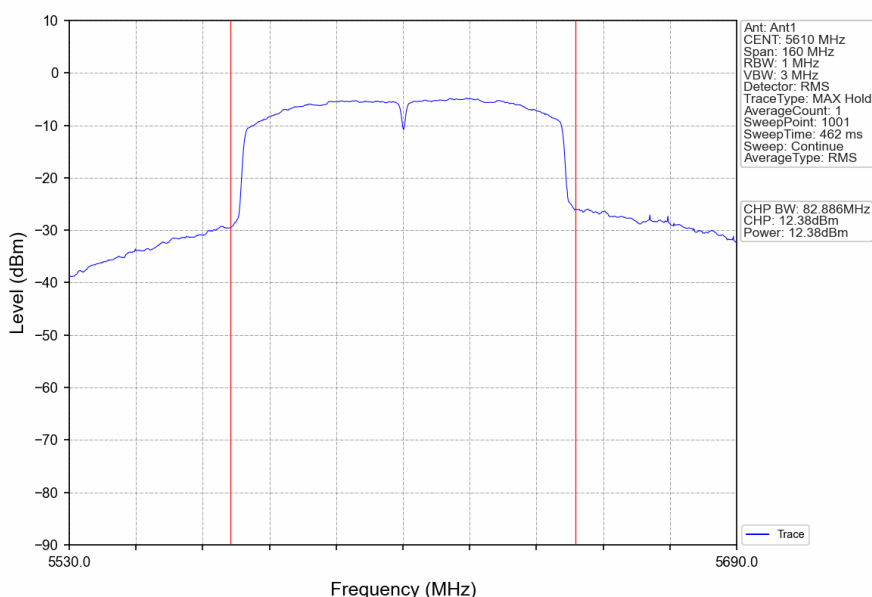
802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



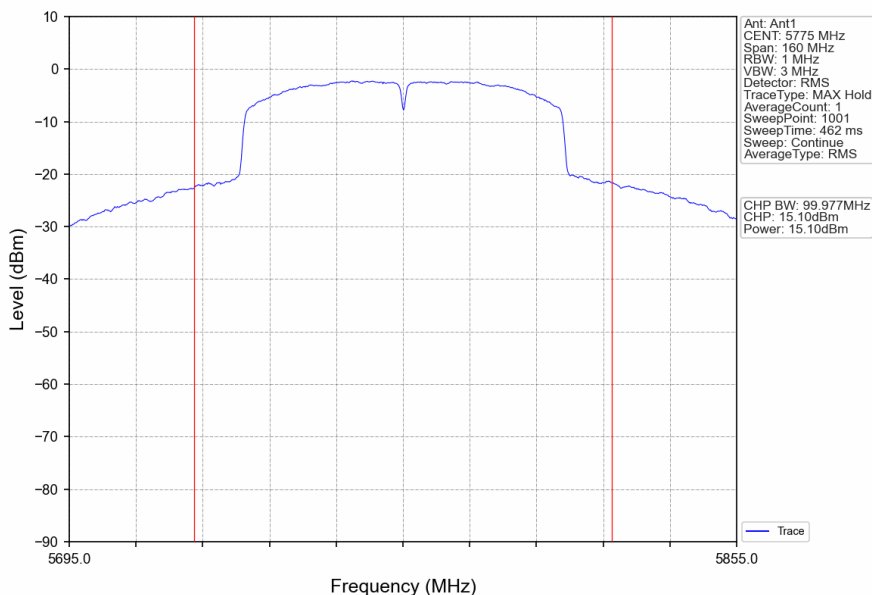
802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5180	0.99	/	/	<=11	Pass
		5200	0.17	/	/	<=11	Pass
		5240	0.08	/	/	<=11	Pass
		5260	-0.59	/	/	<=11	Pass
		5300	0.29	/	/	<=11	Pass
		5320	-0.83	/	/	<=11	Pass
		5500	-1.39	/	/	<=11	Pass
		5580	0.91	/	/	<=11	Pass
802.11n (HT40)	SISO	5700	3.16	/	/	<=11	Pass
		5190	-1.87	/	/	<=10.99	Pass
		5230	-2.08	/	/	<=10.99	Pass
		5270	-2.67	/	/	<=10.99	Pass
		5310	-3.60	/	/	<=10.99	Pass
		5510	-3.84	/	/	<=10.99	Pass
		5550	-2.45	/	/	<=10.99	Pass
802.11ac (VHT80)	SISO	5670	-0.36	/	/	<=10.99	Pass
		5210	-5.79	/	/	<=10.99	Pass
		5290	-6.50	/	/	<=10.99	Pass
		5530	-5.74	/	/	<=10.99	Pass
		5610	-4.84	/	/	<=10.99	Pass

Note1: Antenna Gain: Ant: 2.84dBi

4.1.2 PSD-Band3

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
802.11a	SISO	5745	0.43	-2.04	/	<=30	Pass
		5785	0.84	-1.30	/	<=30	Pass
		5825	0.63	-1.79	/	<=30	Pass
802.11n (HT40)	SISO	5755	-1.78	-4.25	0.17	<=29.99	Pass
		5795	-1.92	-4.12	0.09	<=29.99	Pass
802.11ac (VHT80)	SISO	5775	-5.01	-7.67	-3.16	<=29.99	Pass

Note1: Antenna Gain: Ant: 2.84dBi



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

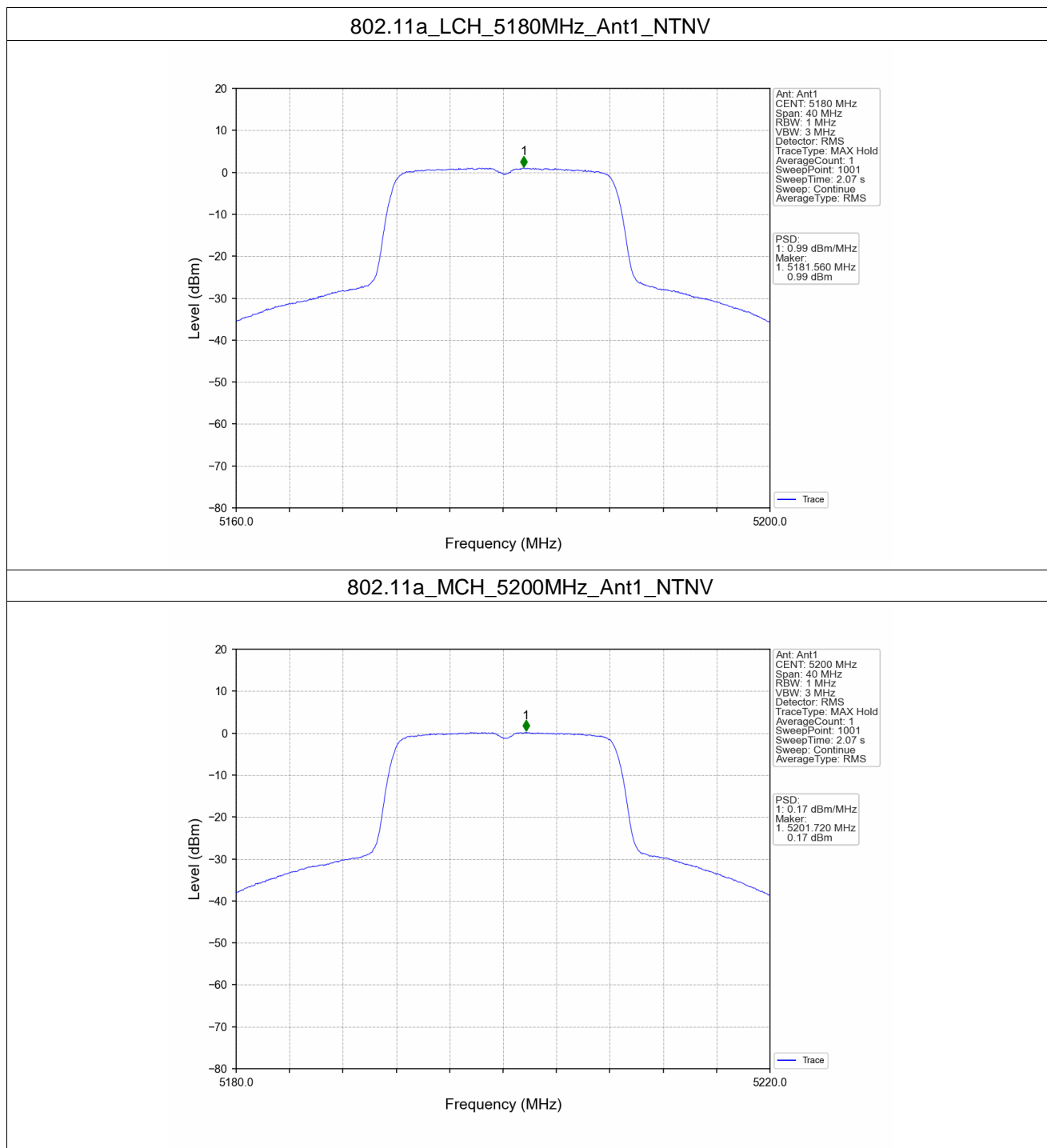
SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch, EMC Laboratory

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

4.2 Test Graph

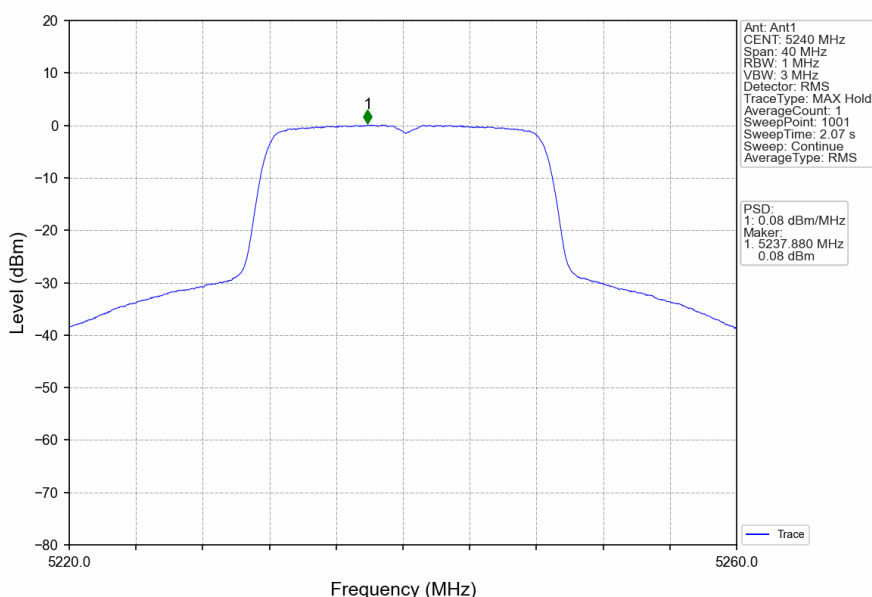
4.2.1 PSD



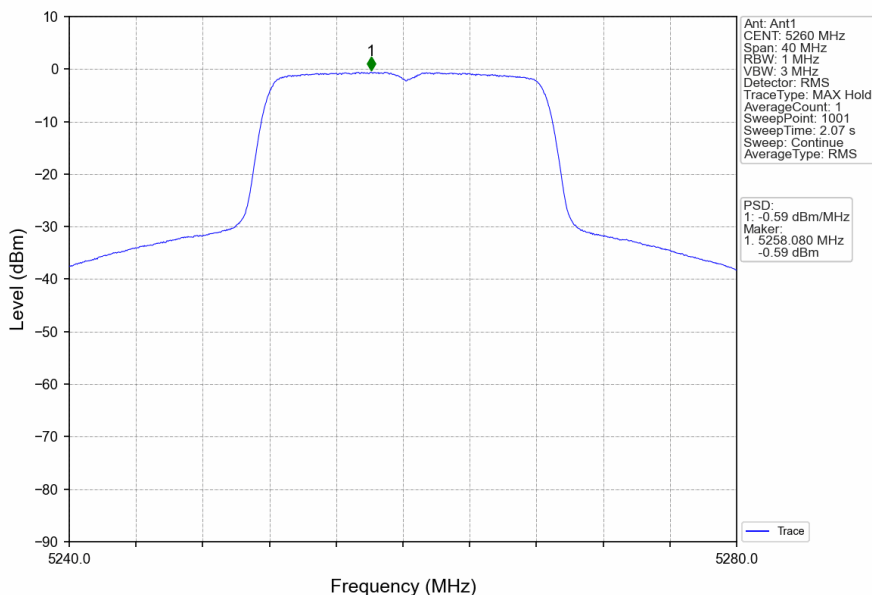
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

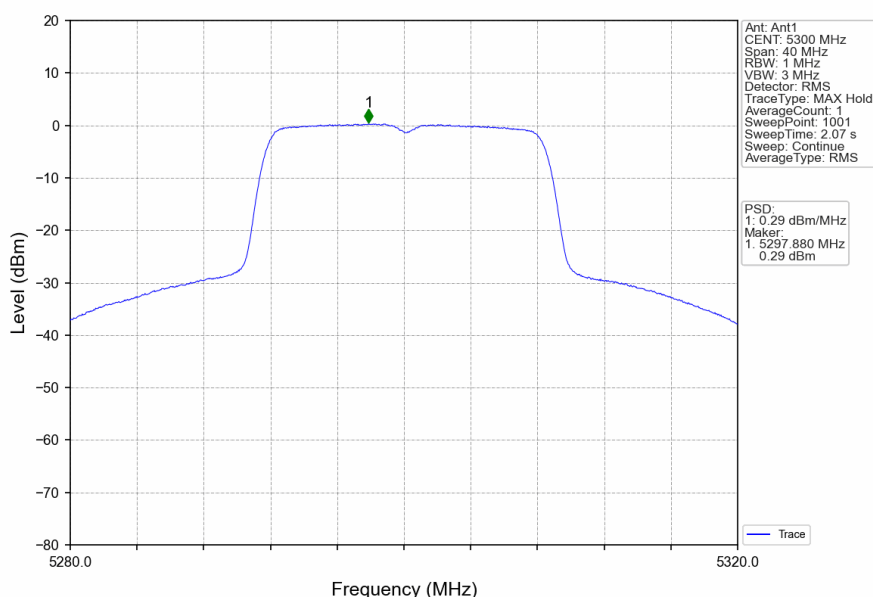
802.11a_HCH_5240MHz_Ant1_NTNV



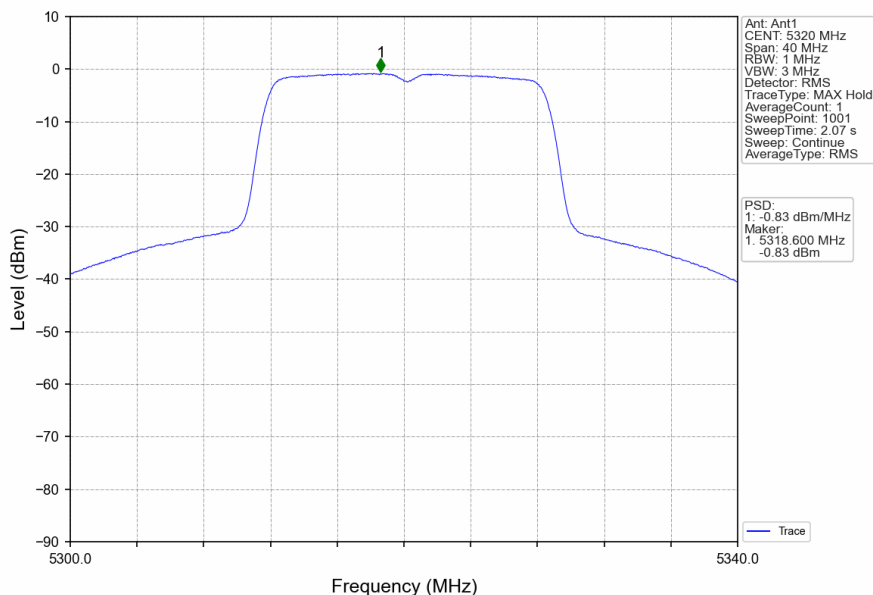
802.11a_LCH_5260MHz_Ant1_NTNV



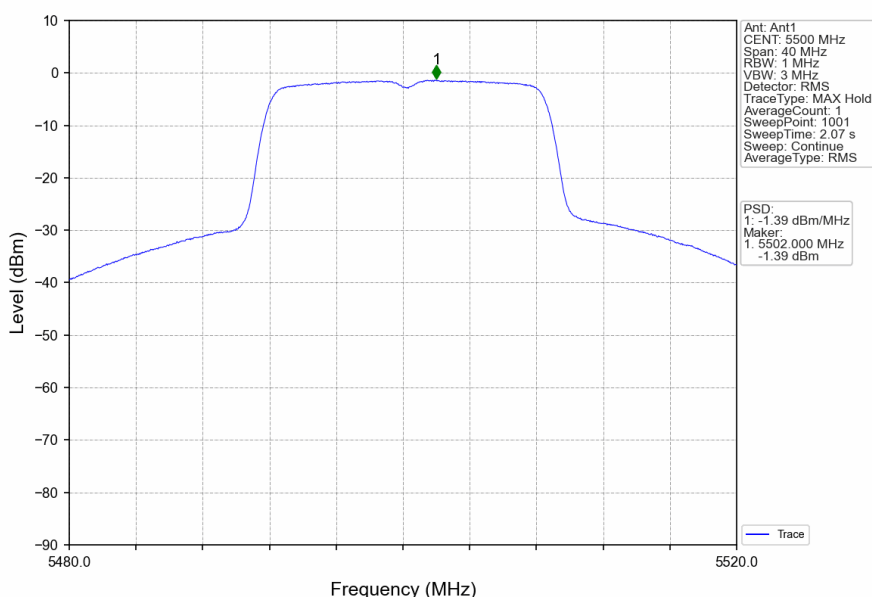
802.11a_MCH_5300MHz_Ant1_NTNV



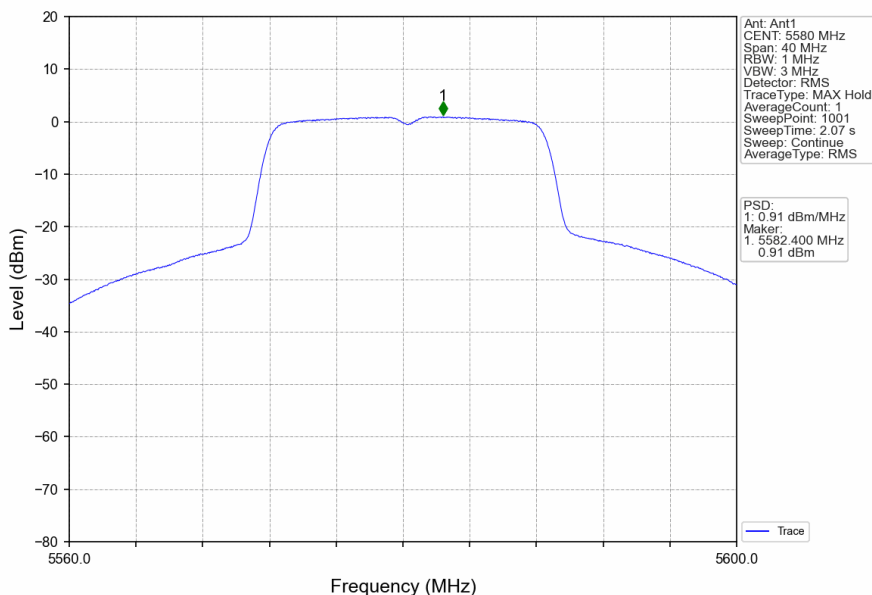
802.11a_HCH_5320MHz_Ant1_NTNV



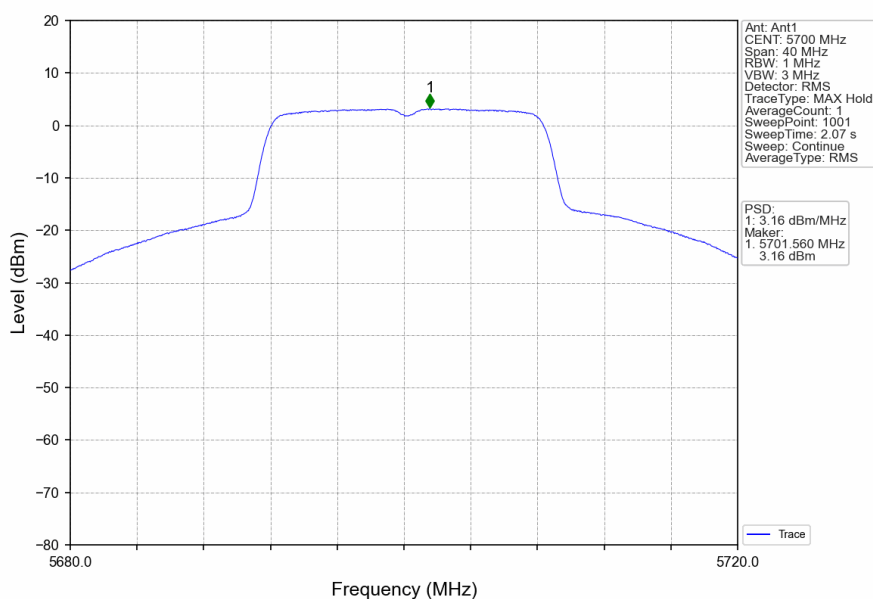
802.11a_LCH_5500MHz_Ant1_NTNV



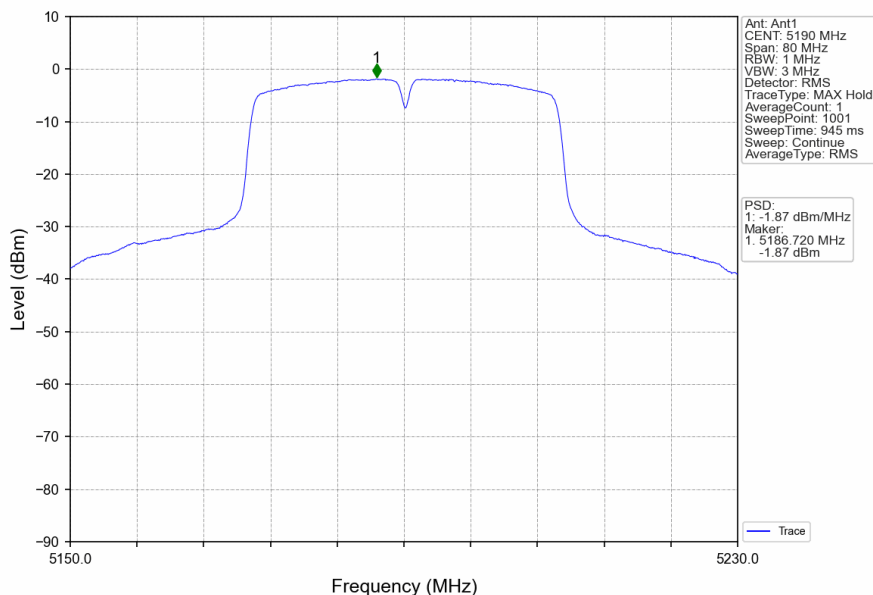
802.11a_MCH_5580MHz_Ant1_NTNV



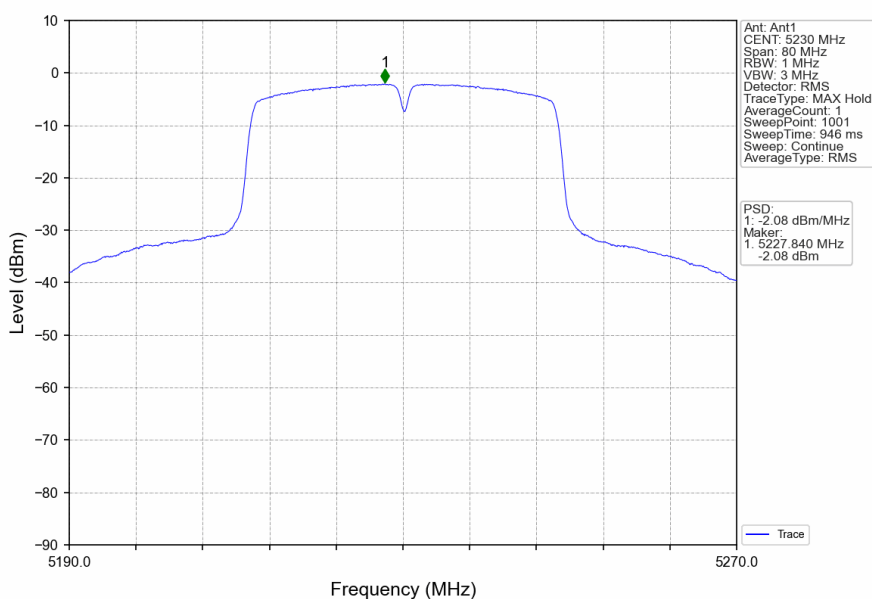
802.11a_HCH_5700MHz_Ant1_NTNV



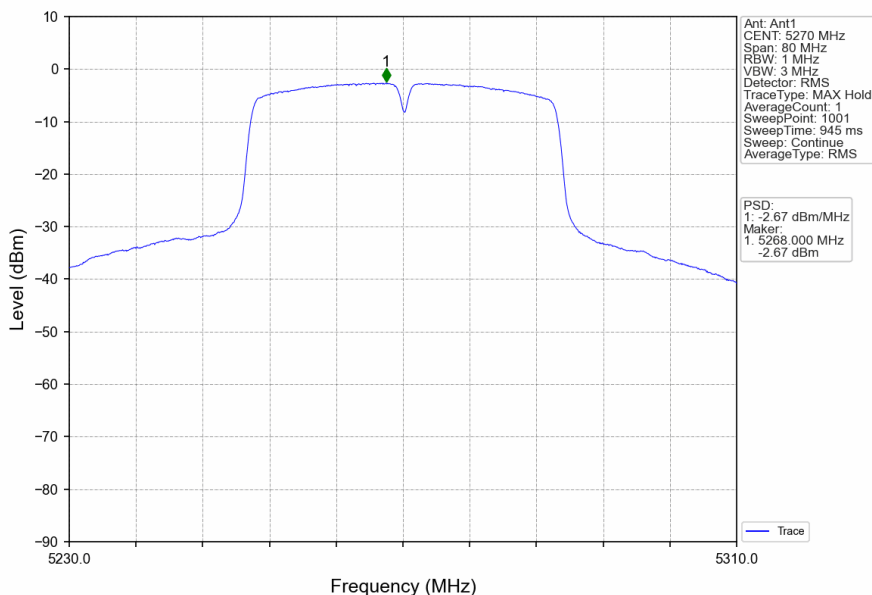
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



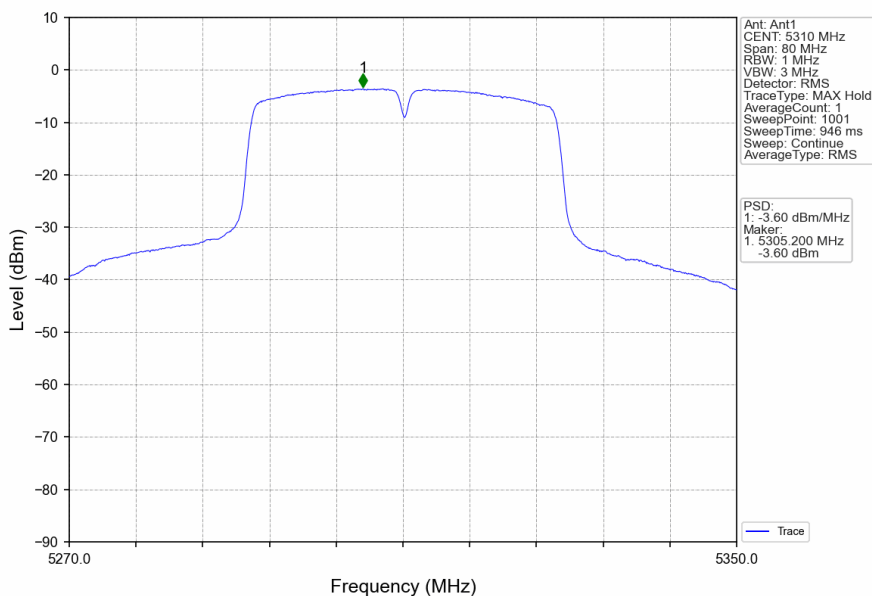
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



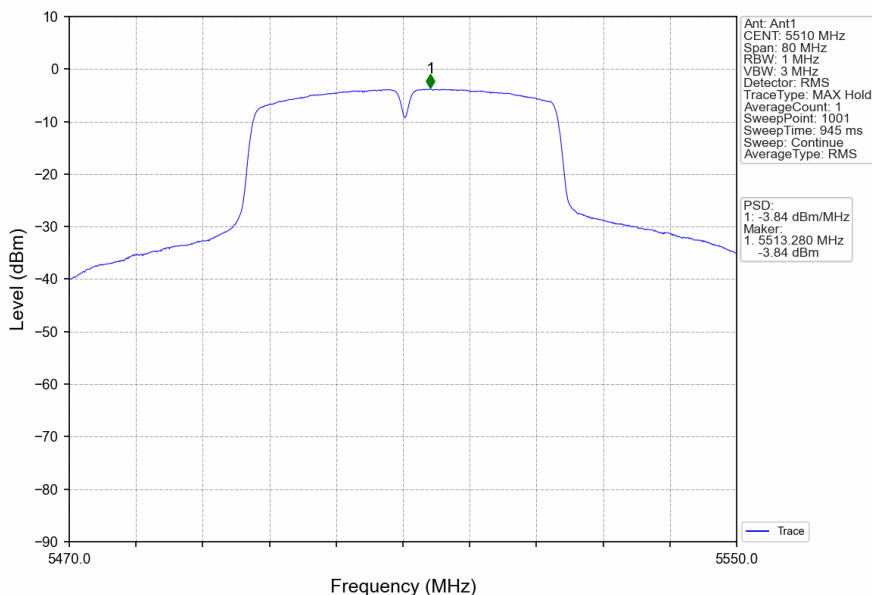
802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



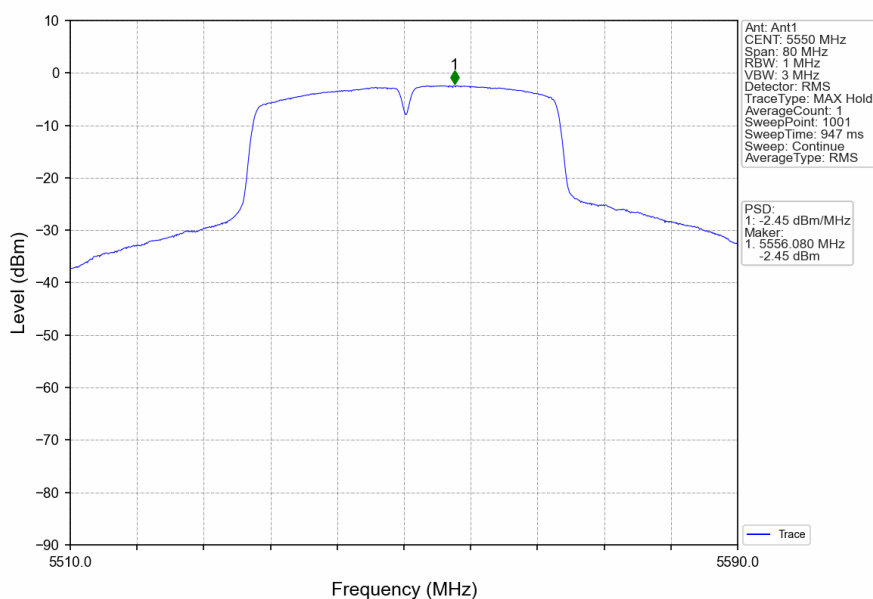
802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



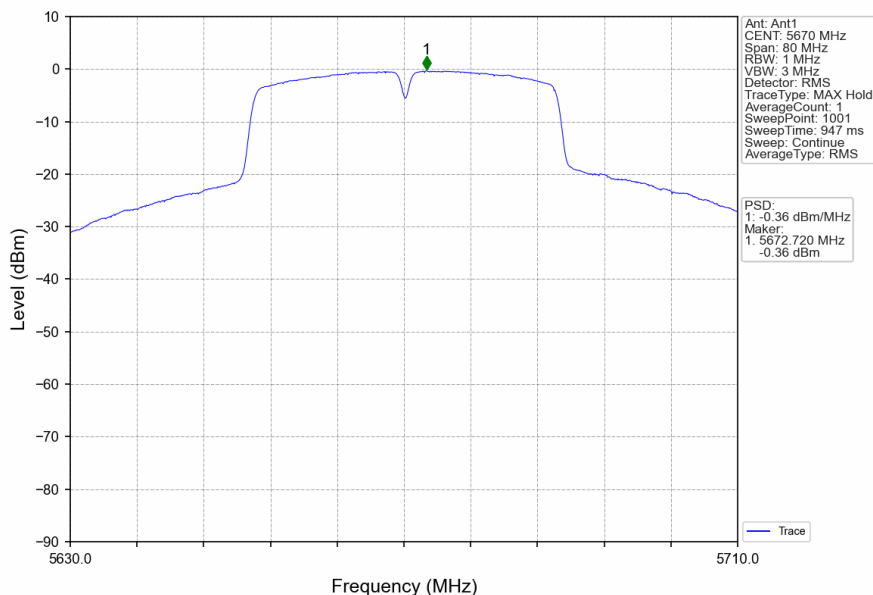
802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



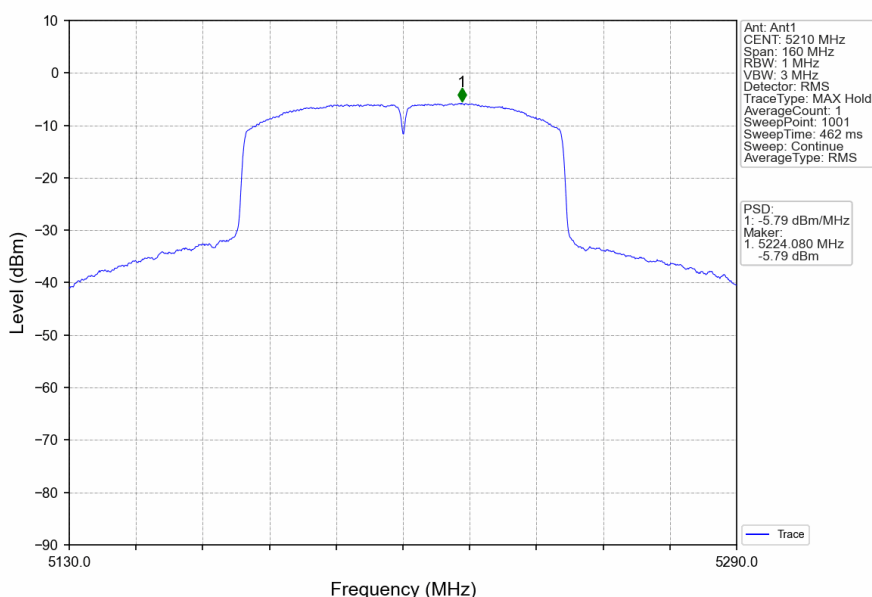
802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



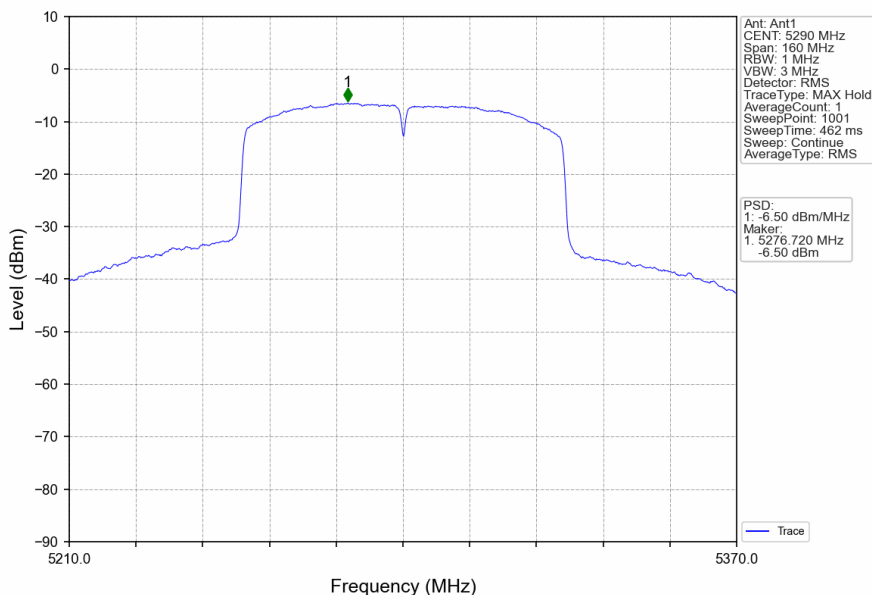
802.11n(HT40)_HCH_5670MHz_Ant1_NTNV



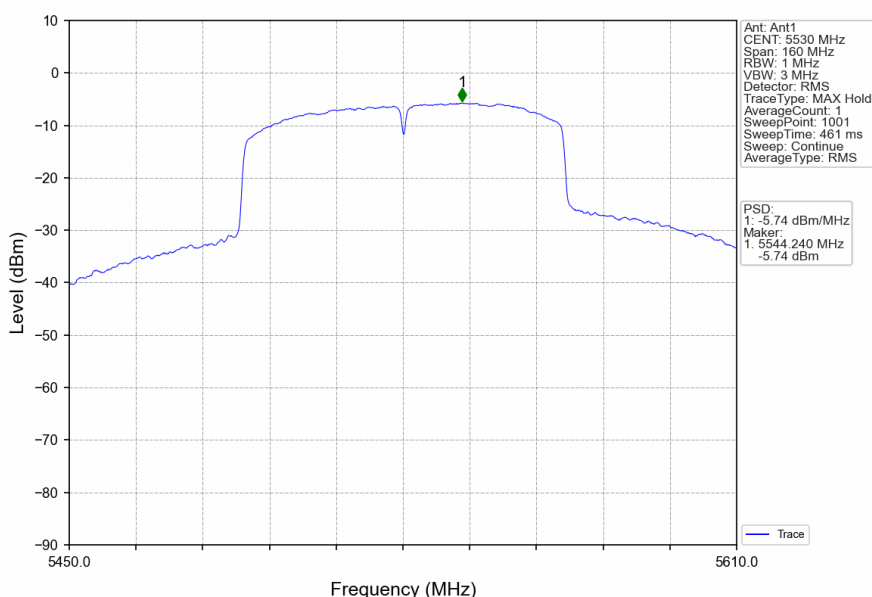
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



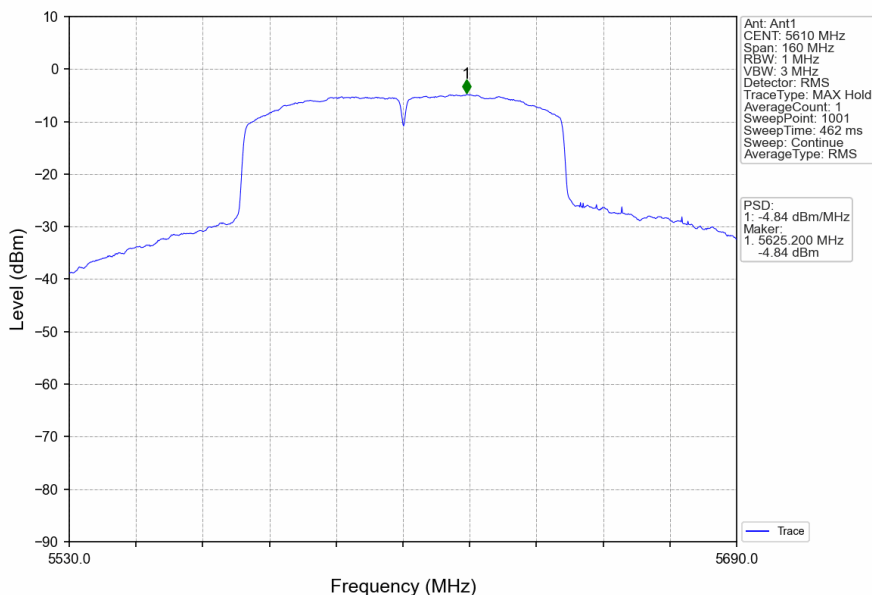
802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV

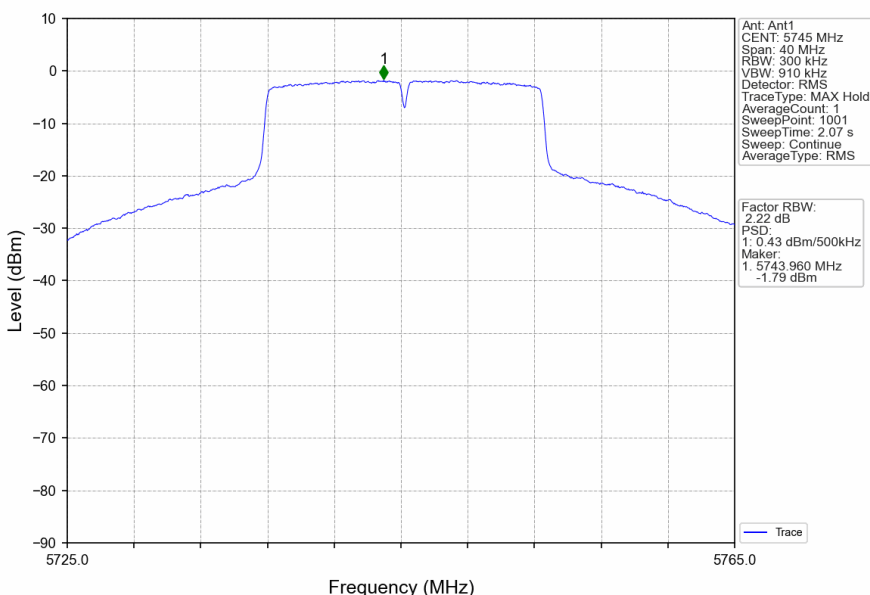


802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV

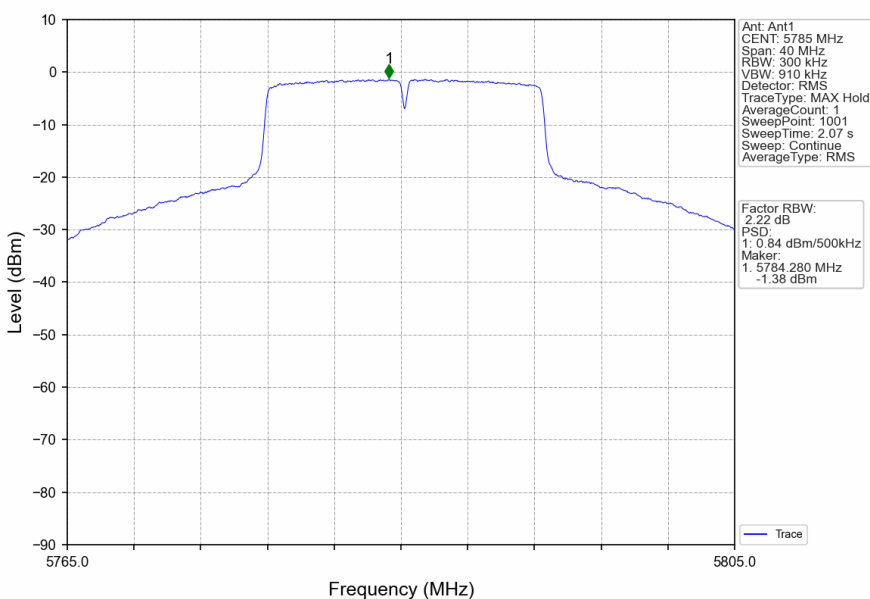


4.2.2 PSD-Band3

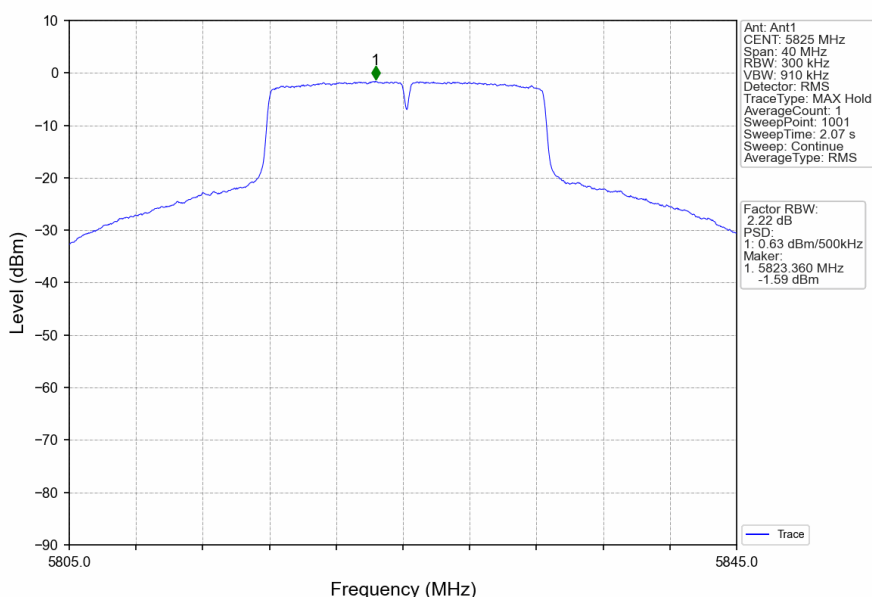
802.11a_LCH_5745MHz_Ant1_NTNV



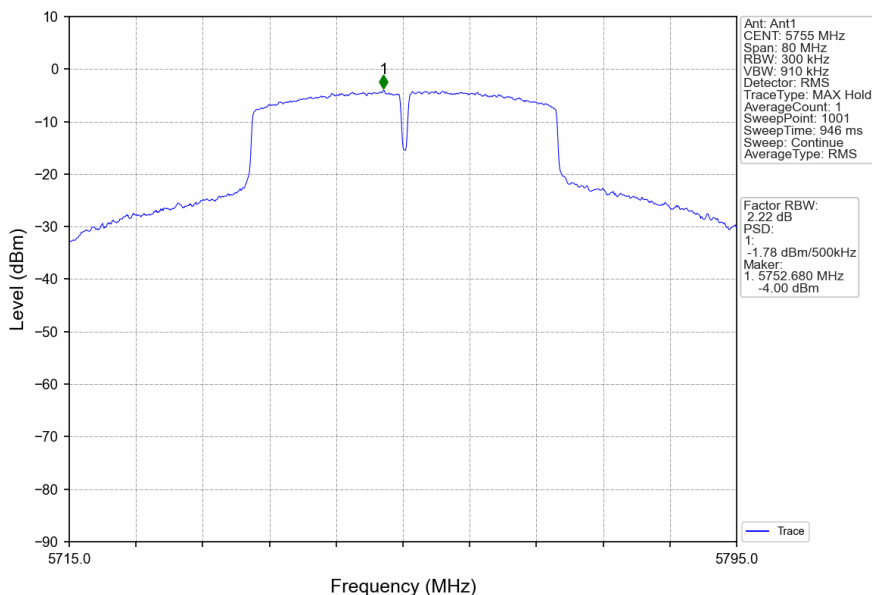
802.11a_MCH_5785MHz_Ant1_NTNV



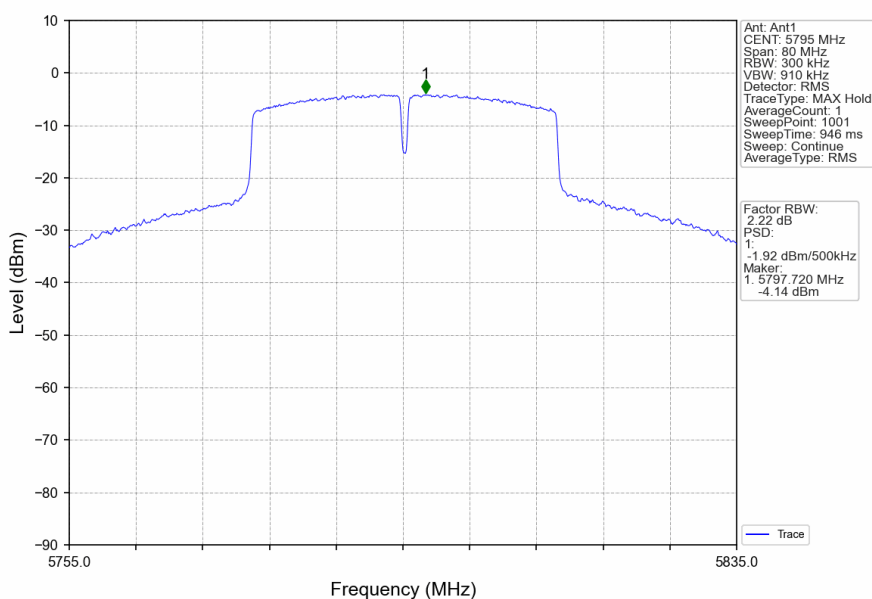
802.11a_HCH_5825MHz_Ant1_NTNV



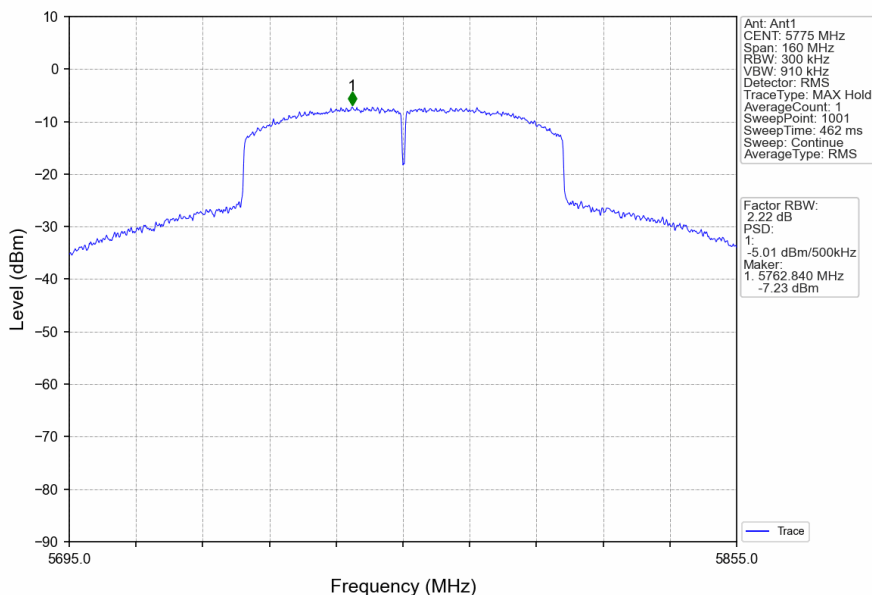
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



5. Frequency Stability

5.1 Test Result

5.1.1 Ant1

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5180	20	102	5180.120	5150 to 5250	Pass
				120	5180.140	5150 to 5250	Pass
				138	5180.100	5150 to 5250	Pass
			-10	120	5180.120	5150 to 5250	Pass
				120	5180.180	5150 to 5250	Pass
				120	5180.160	5150 to 5250	Pass
			30	120	5180.160	5150 to 5250	Pass
				120	5180.140	5150 to 5250	Pass
				120	5180.120	5150 to 5250	Pass
		5200	20	102	5200.180	5150 to 5250	Pass
				120	5200.200	5150 to 5250	Pass
				138	5200.260	5150 to 5250	Pass
			-10	120	5200.220	5150 to 5250	Pass
				120	5200.180	5150 to 5250	Pass
				120	5200.220	5150 to 5250	Pass
			30	120	5200.260	5150 to 5250	Pass
				120	5200.180	5150 to 5250	Pass
				120	5200.220	5150 to 5250	Pass
		5240	20	102	5240.220	5150 to 5250	Pass
				120	5240.200	5150 to 5250	Pass
				138	5240.200	5150 to 5250	Pass
			-10	120	5240.300	5150 to 5250	Pass
				120	5240.240	5150 to 5250	Pass
				120	5240.200	5150 to 5250	Pass
			30	120	5240.220	5150 to 5250	Pass
				120	5240.180	5150 to 5250	Pass
				120	5240.260	5150 to 5250	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 <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.
Guangzhou Branch (EMC) EEC Laboratory

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5260	20	102	5260.320	5250 to 5350	Pass
				120	5260.240	5250 to 5350	Pass
				138	5260.300	5250 to 5350	Pass
			-10	120	5260.300	5250 to 5350	Pass
			0	120	5260.260	5250 to 5350	Pass
			10	120	5260.260	5250 to 5350	Pass
			30	120	5260.300	5250 to 5350	Pass
			40	120	5260.260	5250 to 5350	Pass
			50	120	5260.300	5250 to 5350	Pass
		5300	20	102	5300.200	5250 to 5350	Pass
				120	5300.140	5250 to 5350	Pass
				138	5300.160	5250 to 5350	Pass
			-10	120	5300.220	5250 to 5350	Pass
			0	120	5300.180	5250 to 5350	Pass
			10	120	5300.160	5250 to 5350	Pass
			30	120	5300.220	5250 to 5350	Pass
			40	120	5300.200	5250 to 5350	Pass
			50	120	5300.220	5250 to 5350	Pass
		5320	20	102	5320.180	5250 to 5350	Pass
				120	5320.240	5250 to 5350	Pass
				138	5320.180	5250 to 5350	Pass
			-10	120	5320.240	5250 to 5350	Pass
			0	120	5320.260	5250 to 5350	Pass
			10	120	5320.220	5250 to 5350	Pass
			30	120	5320.180	5250 to 5350	Pass
			40	120	5320.180	5250 to 5350	Pass
			50	120	5320.220	5250 to 5350	Pass
		5500	20	102	5500.360	5470 to 5725	Pass
				120	5500.320	5470 to 5725	Pass
				138	5500.280	5470 to 5725	Pass
			-10	120	5500.300	5470 to 5725	Pass
			0	120	5500.260	5470 to 5725	Pass
			10	120	5500.340	5470 to 5725	Pass
			30	120	5500.360	5470 to 5725	Pass
			40	120	5500.320	5470 to 5725	Pass
			50	120	5500.320	5470 to 5725	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 <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.
Guangzhou Branch (EMC Lab) EEC Laboratory

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5580	20	102	5580.320	5470 to 5725	Pass
				120	5580.320	5470 to 5725	Pass
				138	5580.340	5470 to 5725	Pass
			-10	120	5580.300	5470 to 5725	Pass
			0	120	5580.320	5470 to 5725	Pass
			10	120	5580.340	5470 to 5725	Pass
			30	120	5580.320	5470 to 5725	Pass
			40	120	5580.300	5470 to 5725	Pass
			50	120	5580.260	5470 to 5725	Pass
		5700	20	102	5700.280	5470 to 5725	Pass
				120	5700.200	5470 to 5725	Pass
				138	5700.180	5470 to 5725	Pass
			-10	120	5700.200	5470 to 5725	Pass
			0	120	5700.220	5470 to 5725	Pass
			10	120	5700.280	5470 to 5725	Pass
			30	120	5700.320	5470 to 5725	Pass
			40	120	5700.220	5470 to 5725	Pass
			50	120	5700.220	5470 to 5725	Pass
		5745	20	102	5745.260	5725 to 5850	Pass
				120	5745.240	5725 to 5850	Pass
				138	5745.220	5725 to 5850	Pass
			-10	120	5745.200	5725 to 5850	Pass
			0	120	5745.240	5725 to 5850	Pass
			10	120	5745.220	5725 to 5850	Pass
			30	120	5745.180	5725 to 5850	Pass
			40	120	5745.260	5725 to 5850	Pass
			50	120	5745.220	5725 to 5850	Pass
		5785	20	102	5785.280	5725 to 5850	Pass
				120	5785.220	5725 to 5850	Pass
				138	5785.260	5725 to 5850	Pass
			-10	120	5785.260	5725 to 5850	Pass
			0	120	5785.280	5725 to 5850	Pass
			10	120	5785.260	5725 to 5850	Pass
			30	120	5785.220	5725 to 5850	Pass
			40	120	5785.240	5725 to 5850	Pass
			50	120	5785.180	5725 to 5850	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 <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.
Guangzhou Branch, EMC Laboratory

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5825	20	102	5825.220	5725 to 5850	Pass
				120	5825.220	5725 to 5850	Pass
				138	5825.240	5725 to 5850	Pass
			-10	120	5825.240	5725 to 5850	Pass
			0	120	5825.240	5725 to 5850	Pass
			10	120	5825.240	5725 to 5850	Pass
			30	120	5825.200	5725 to 5850	Pass
			40	120	5825.220	5725 to 5850	Pass
			50	120	5825.240	5725 to 5850	Pass
802.11n (HT40)	SISO	5190	20	102	5190.240	5150 to 5250	Pass
				120	5190.280	5150 to 5250	Pass
				138	5190.280	5150 to 5250	Pass
			-10	120	5190.240	5150 to 5250	Pass
			0	120	5190.200	5150 to 5250	Pass
			10	120	5190.200	5150 to 5250	Pass
			30	120	5190.200	5150 to 5250	Pass
			40	120	5190.200	5150 to 5250	Pass
			50	120	5190.200	5150 to 5250	Pass
		5230	20	102	5230.240	5150 to 5250	Pass
				120	5230.160	5150 to 5250	Pass
				138	5230.200	5150 to 5250	Pass
			-10	120	5230.240	5150 to 5250	Pass
			0	120	5230.280	5150 to 5250	Pass
			10	120	5230.240	5150 to 5250	Pass
			30	120	5230.240	5150 to 5250	Pass
			40	120	5230.240	5150 to 5250	Pass
			50	120	5230.160	5150 to 5250	Pass
		5270	20	102	5270.200	5250 to 5350	Pass
				120	5270.320	5250 to 5350	Pass
				138	5270.280	5250 to 5350	Pass
			-10	120	5270.240	5250 to 5350	Pass
			0	120	5270.160	5250 to 5350	Pass
			10	120	5270.240	5250 to 5350	Pass
			30	120	5270.240	5250 to 5350	Pass
			40	120	5270.200	5250 to 5350	Pass
			50	120	5270.200	5250 to 5350	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 <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.
Guangzhou Branch (EMC) EEC Laboratory

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11n (HT40)	SISO	5310	20	102	5310.200	5250 to 5350	Pass
				120	5310.120	5250 to 5350	Pass
				138	5310.240	5250 to 5350	Pass
			-10	120	5310.200	5250 to 5350	Pass
				120	5310.240	5250 to 5350	Pass
				120	5310.200	5250 to 5350	Pass
			0	120	5310.200	5250 to 5350	Pass
				120	5310.240	5250 to 5350	Pass
				120	5310.200	5250 to 5350	Pass
		5510	20	102	5510.400	5470 to 5725	Pass
				120	5510.320	5470 to 5725	Pass
				138	5510.200	5470 to 5725	Pass
			-10	120	5510.320	5470 to 5725	Pass
				120	5510.320	5470 to 5725	Pass
				120	5510.280	5470 to 5725	Pass
			0	120	5510.360	5470 to 5725	Pass
				120	5510.240	5470 to 5725	Pass
				120	5510.280	5470 to 5725	Pass
		5550	20	102	5550.240	5470 to 5725	Pass
				120	5550.280	5470 to 5725	Pass
				138	5550.320	5470 to 5725	Pass
			-10	120	5550.280	5470 to 5725	Pass
				120	5550.320	5470 to 5725	Pass
				120	5550.320	5470 to 5725	Pass
			0	120	5550.280	5470 to 5725	Pass
				120	5550.320	5470 to 5725	Pass
				120	5550.280	5470 to 5725	Pass
		5670	20	102	5670.240	5470 to 5725	Pass
				120	5670.240	5470 to 5725	Pass
				138	5670.280	5470 to 5725	Pass
			-10	120	5670.240	5470 to 5725	Pass
				120	5670.320	5470 to 5725	Pass
				120	5670.160	5470 to 5725	Pass
			0	120	5670.280	5470 to 5725	Pass
				120	5670.200	5470 to 5725	Pass
				120	5670.160	5470 to 5725	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 <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.
Guangzhou Branch, EMC Laboratory

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11n (HT40)	SISO	5755	20	102	5755.200	5725 to 5850	Pass
				120	5755.240	5725 to 5850	Pass
				138	5755.240	5725 to 5850	Pass
			-10	120	5755.200	5725 to 5850	Pass
			0	120	5755.320	5725 to 5850	Pass
			10	120	5755.160	5725 to 5850	Pass
			30	120	5755.320	5725 to 5850	Pass
			40	120	5755.160	5725 to 5850	Pass
			50	120	5755.280	5725 to 5850	Pass
		5795	20	102	5795.280	5725 to 5850	Pass
				120	5795.200	5725 to 5850	Pass
				138	5795.280	5725 to 5850	Pass
			-10	120	5795.240	5725 to 5850	Pass
			0	120	5795.240	5725 to 5850	Pass
			10	120	5795.240	5725 to 5850	Pass
			30	120	5795.280	5725 to 5850	Pass
			40	120	5795.240	5725 to 5850	Pass
			50	120	5795.200	5725 to 5850	Pass
802.11ac (VHT80)	MIMO	5210	20	102	5210.000	5150 to 5250	Pass
				120	5210.150	5150 to 5250	Pass
				138	5210.075	5150 to 5250	Pass
			-10	120	5210.150	5150 to 5250	Pass
			0	120	5210.075	5150 to 5250	Pass
			10	120	5210.075	5150 to 5250	Pass
			30	120	5210.150	5150 to 5250	Pass
			40	120	5210.000	5150 to 5250	Pass
			50	120	5210.000	5150 to 5250	Pass
		5290	20	102	5290.075	5250 to 5350	Pass
				120	5290.075	5250 to 5350	Pass
				138	5290.000	5250 to 5350	Pass
			-10	120	5290.000	5250 to 5350	Pass
			0	120	5290.075	5250 to 5350	Pass
			10	120	5290.150	5250 to 5350	Pass
			30	120	5290.075	5250 to 5350	Pass
			40	120	5290.075	5250 to 5350	Pass
			50	120	5290.150	5250 to 5350	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 <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.
Guangzhou Branch (EMC) EEC Laboratory

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11ac (VHT80)	MIMO	5530	20	102	5530.450	5470 to 5725	Pass
				120	5530.450	5470 to 5725	Pass
				138	5530.600	5470 to 5725	Pass
			-10	120	5530.600	5470 to 5725	Pass
			0	120	5530.300	5470 to 5725	Pass
			10	120	5530.225	5470 to 5725	Pass
			30	120	5530.450	5470 to 5725	Pass
			40	120	5530.300	5470 to 5725	Pass
			50	120	5530.525	5470 to 5725	Pass
		5610	20	102	5610.225	5470 to 5725	Pass
				120	5610.300	5470 to 5725	Pass
				138	5610.300	5470 to 5725	Pass
			-10	120	5610.225	5470 to 5725	Pass
			0	120	5610.225	5470 to 5725	Pass
			10	120	5610.150	5470 to 5725	Pass
			30	120	5610.150	5470 to 5725	Pass
			40	120	5610.150	5470 to 5725	Pass
			50	120	5610.225	5470 to 5725	Pass
		5775	20	102	5775.150	5725 to 5850	Pass
				120	5775.150	5725 to 5850	Pass
				138	5775.150	5725 to 5850	Pass
			-10	120	5775.300	5725 to 5850	Pass
			0	120	5775.150	5725 to 5850	Pass
			10	120	5775.300	5725 to 5850	Pass
			30	120	5775.225	5725 to 5850	Pass
			40	120	5775.225	5725 to 5850	Pass
			50	120	5775.150	5725 to 5850	Pass

- End of the Report -



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

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

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

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgsgroup.com.cn
t (86-20) 82155555 sgs.china@sgs.com