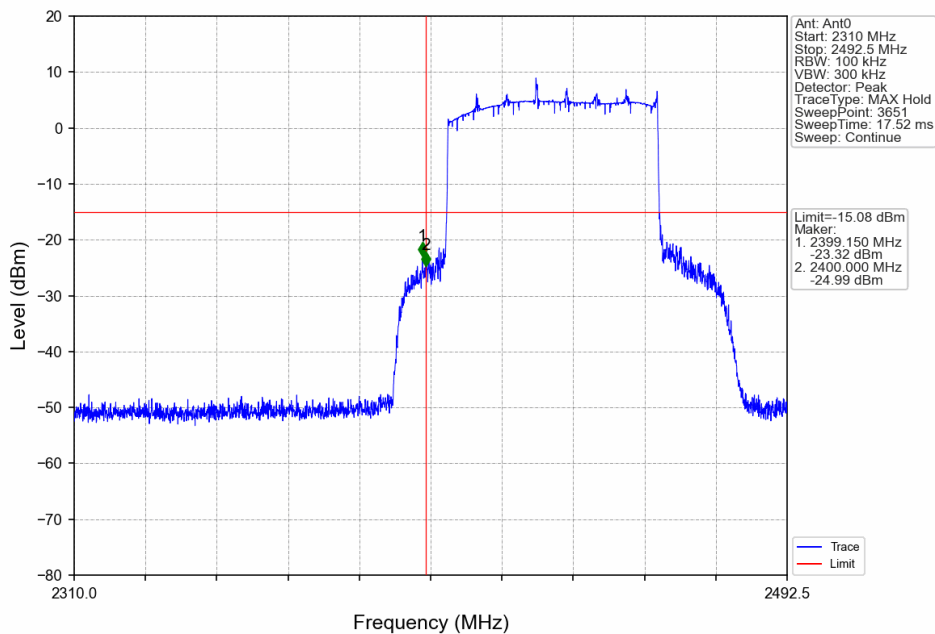
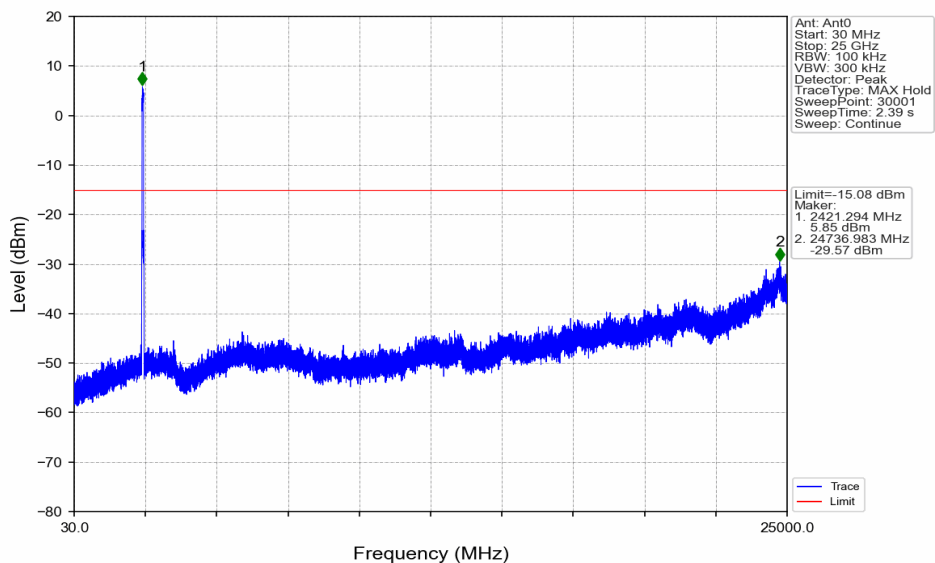


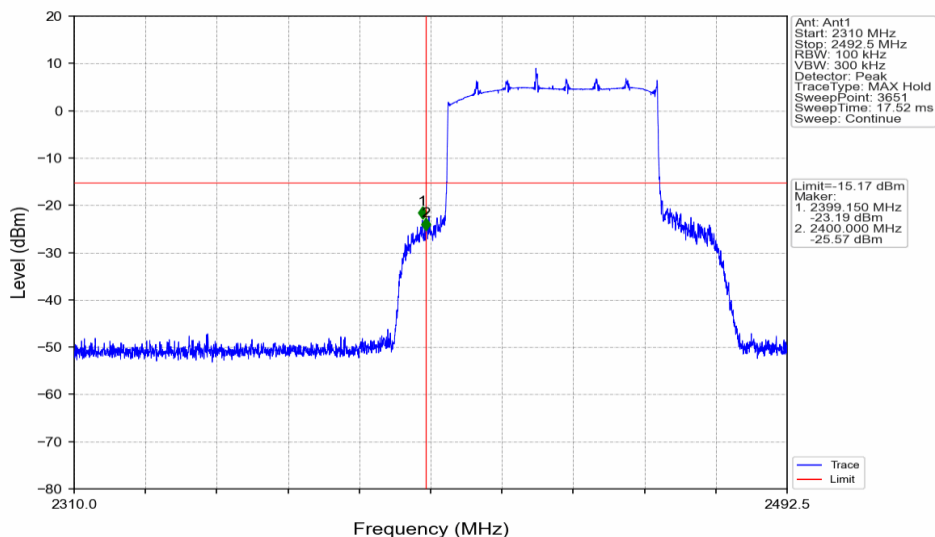
60M_LCH_2432.5MHz_Ant0_NTNV



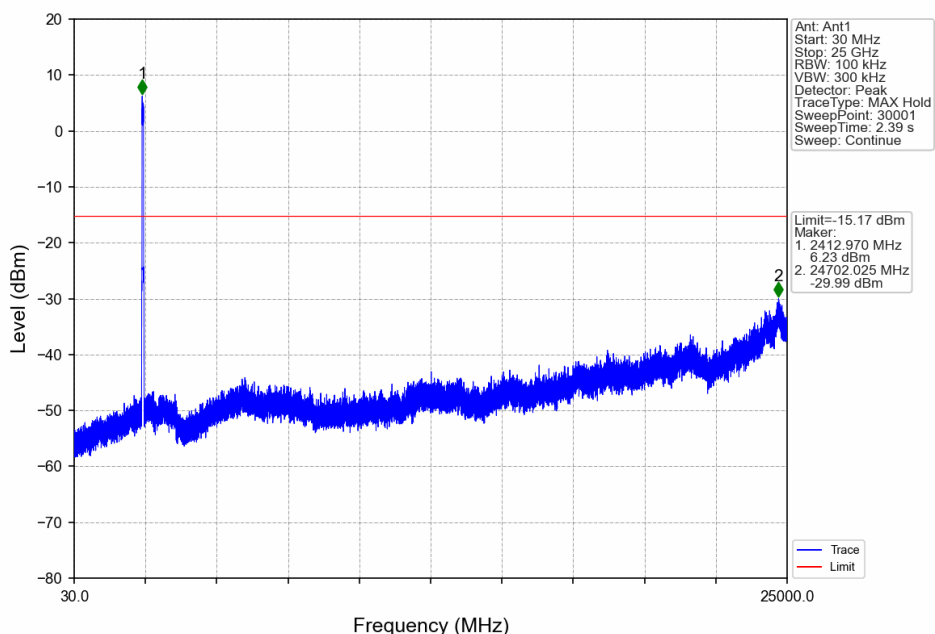
60M_LCH_2432.5MHz_Ant0_NTNV



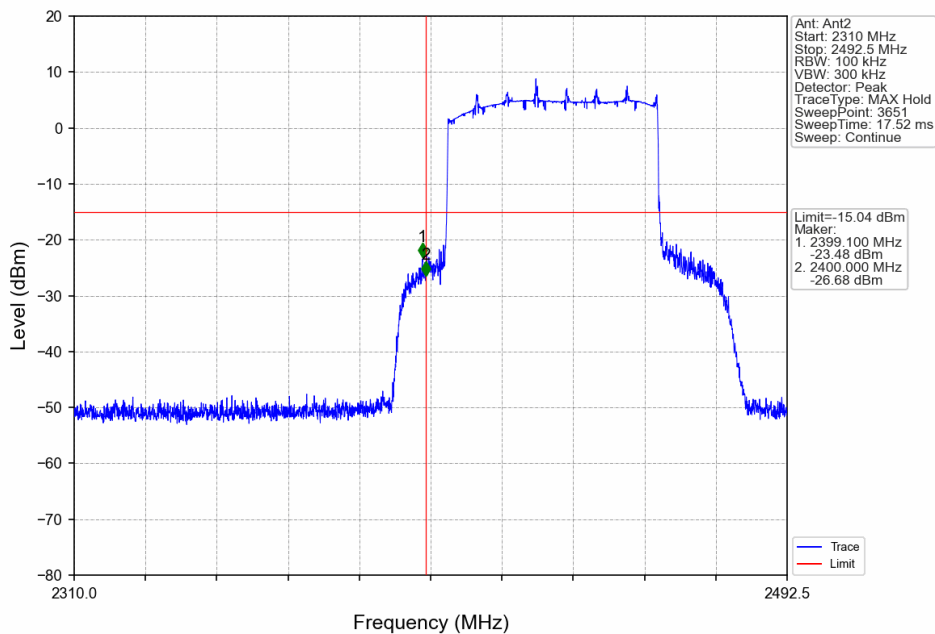
60M_LCH_2432.5MHz_Ant1_NTNV



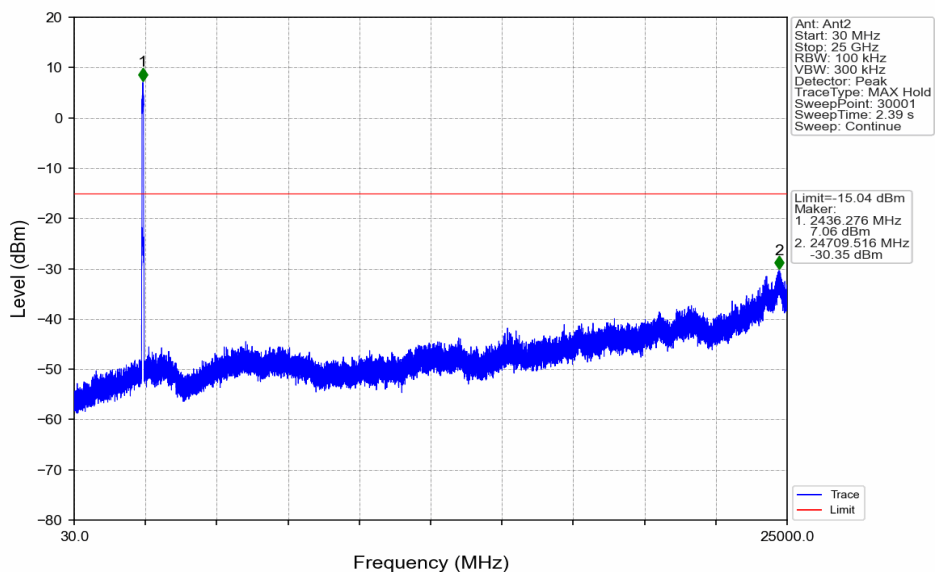
60M_LCH_2432.5MHz_Ant1_NTNV



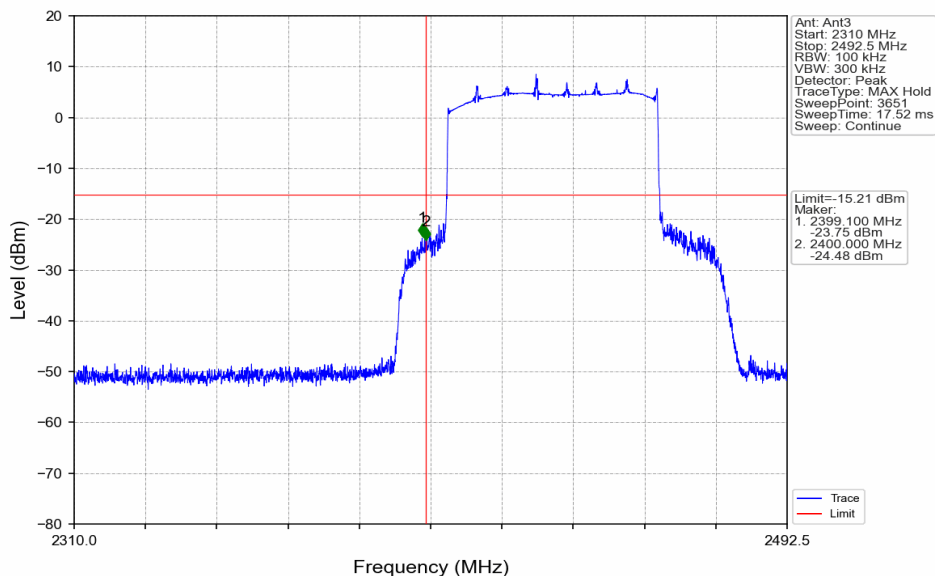
60M_LCH_2432.5MHz_Ant2_NTNV



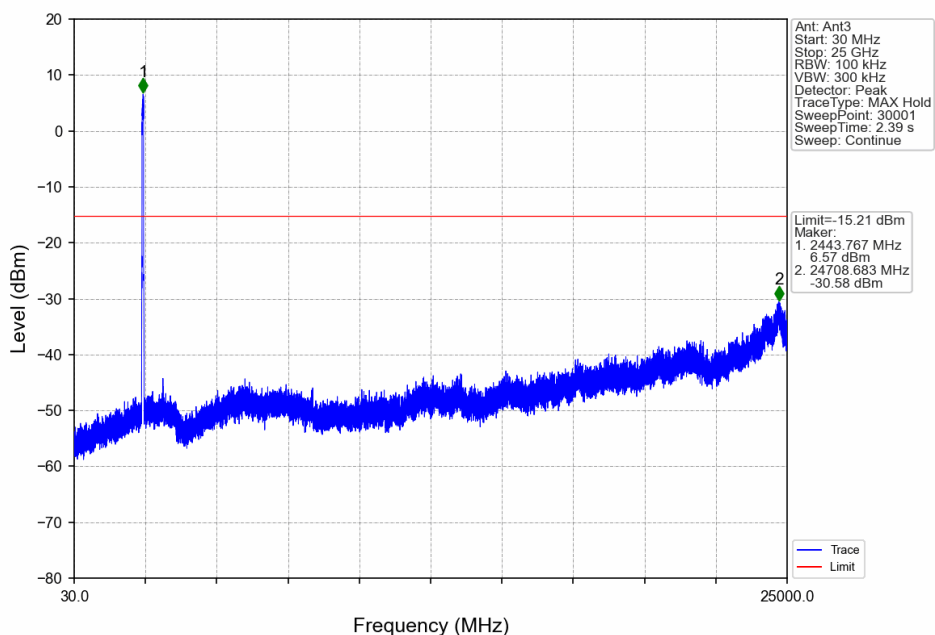
60M_LCH_2432.5MHz_Ant2_NTNV



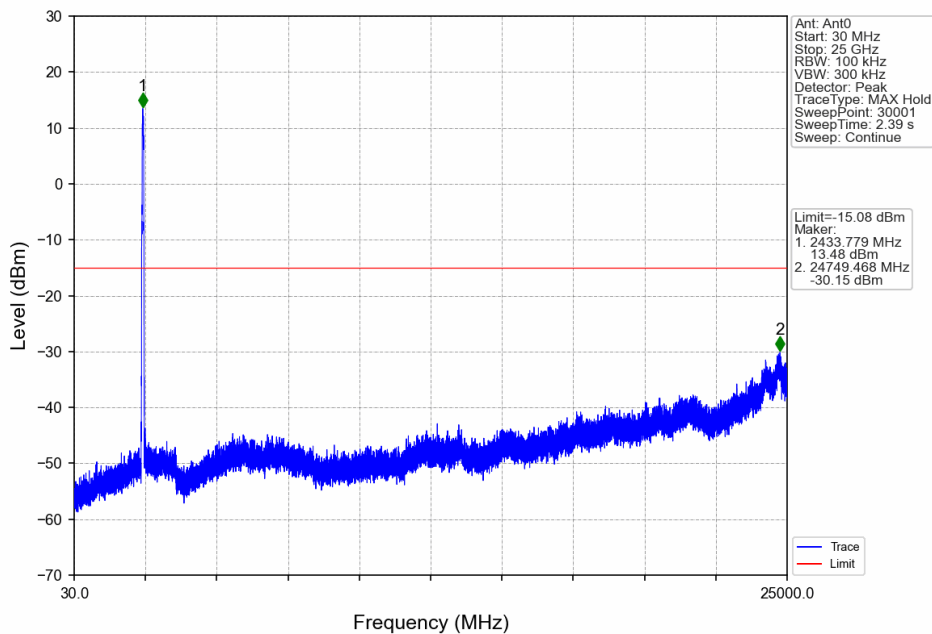
60M_LCH_2432.5MHz_Ant3_NTNV



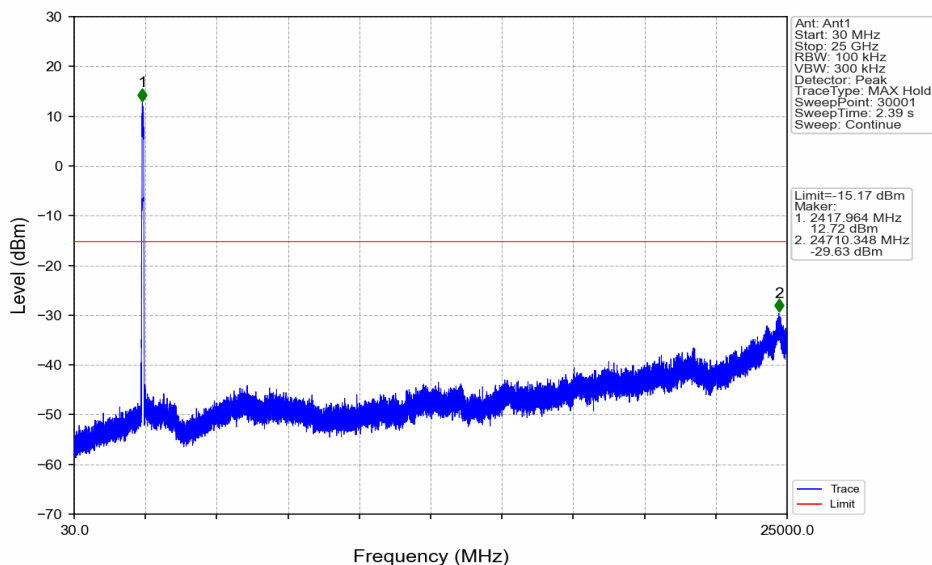
60M_LCH_2432.5MHz_Ant3_NTNV



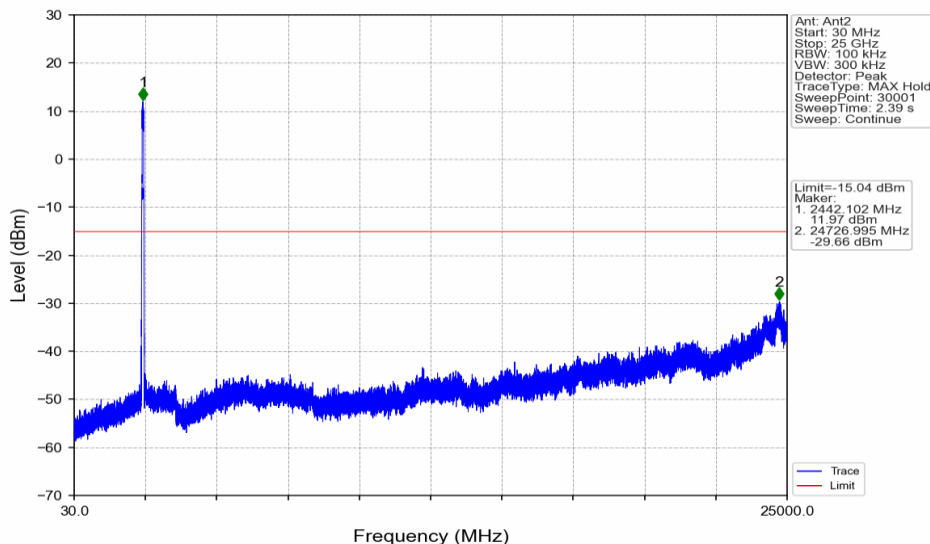
60M_MCH_2437.5MHz_Ant0_NTNV



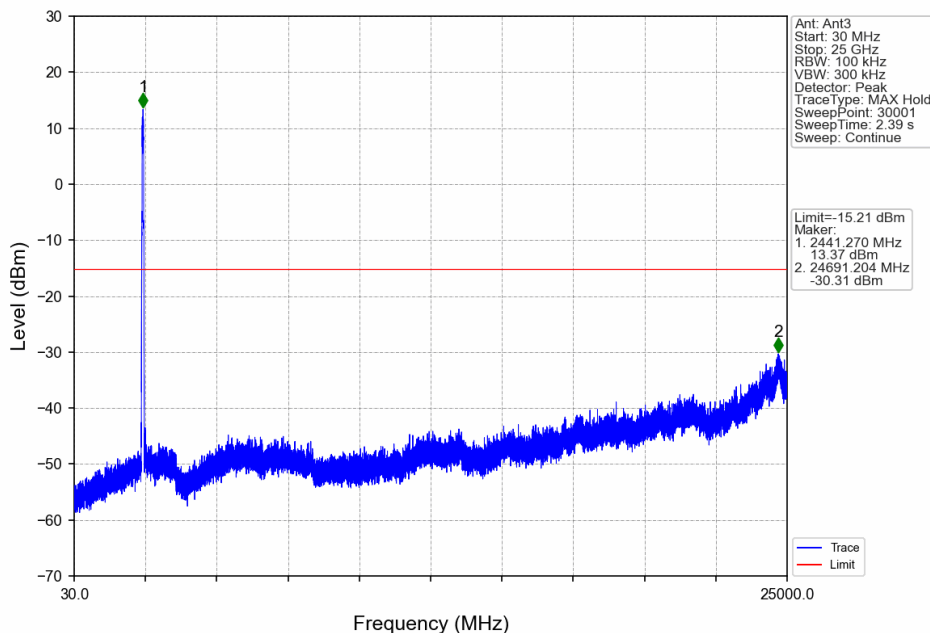
60M_MCH_2437.5MHz_Ant1_NTNV



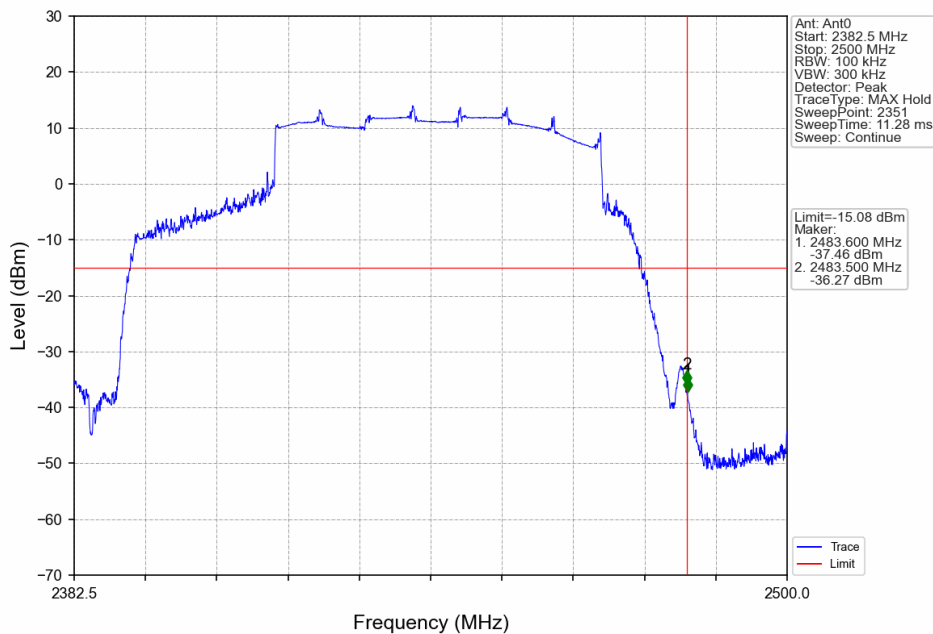
60M_MCH_2437.5MHz_Ant2_NTNV



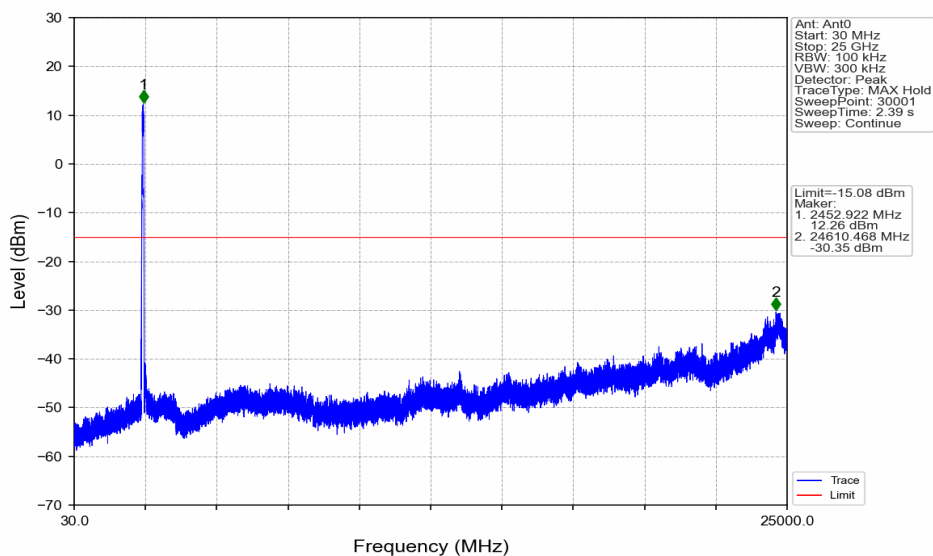
60M_MCH_2437.5MHz_Ant3_NTNV



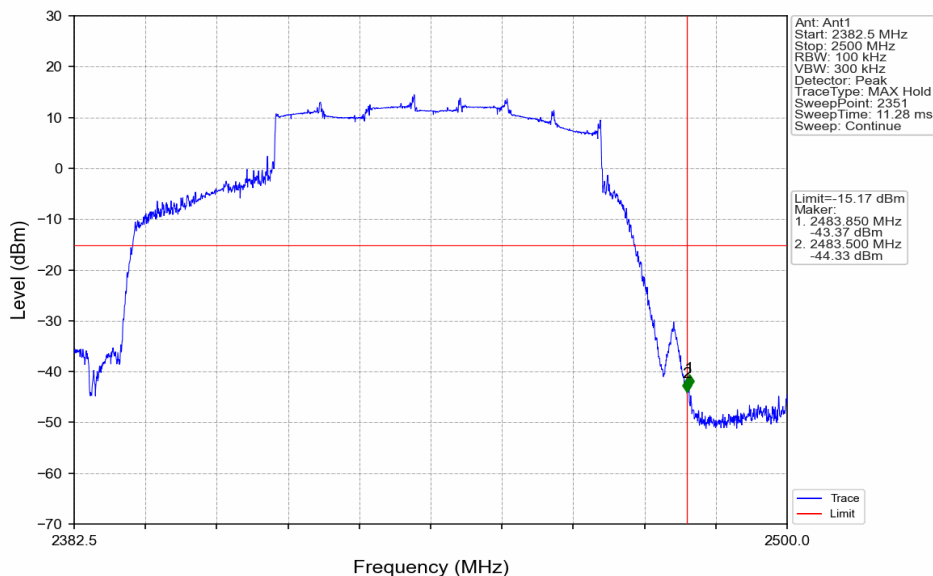
60M_HCH_2442.5MHz_Ant0_NTNV



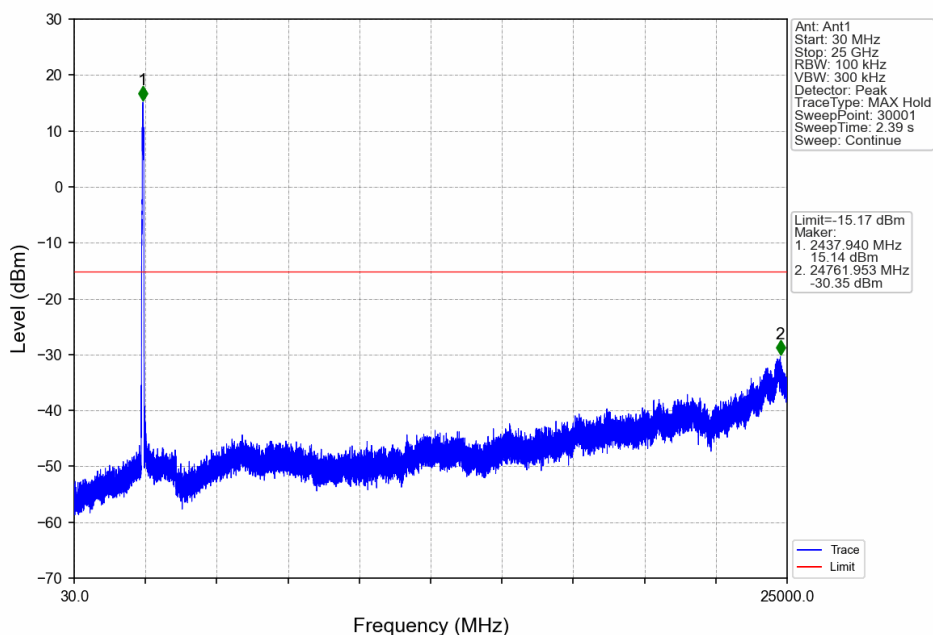
60M_HCH_2442.5MHz_Ant0_NTNV



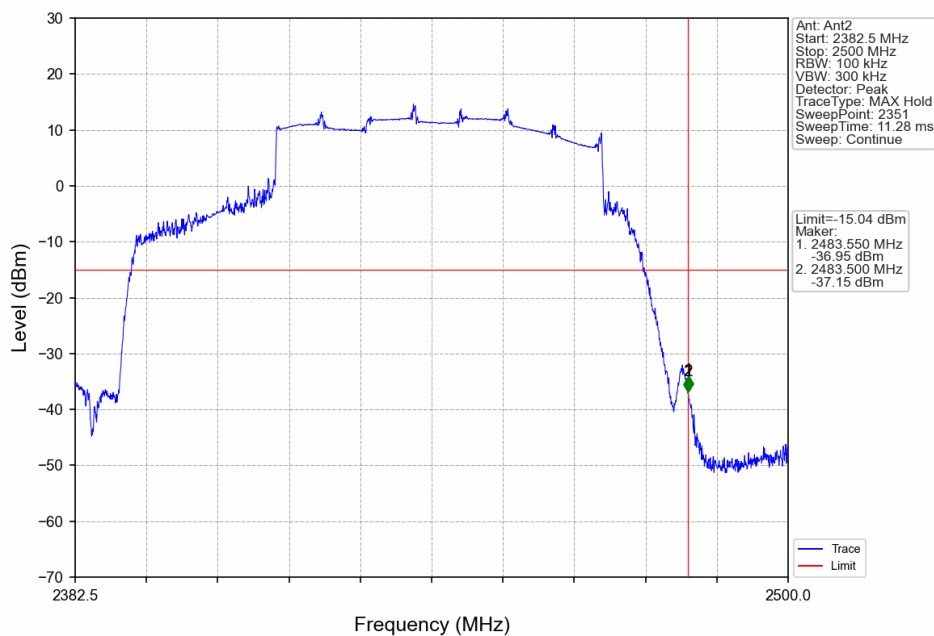
60M_HCH_2442.5MHz_Ant1_NTNV



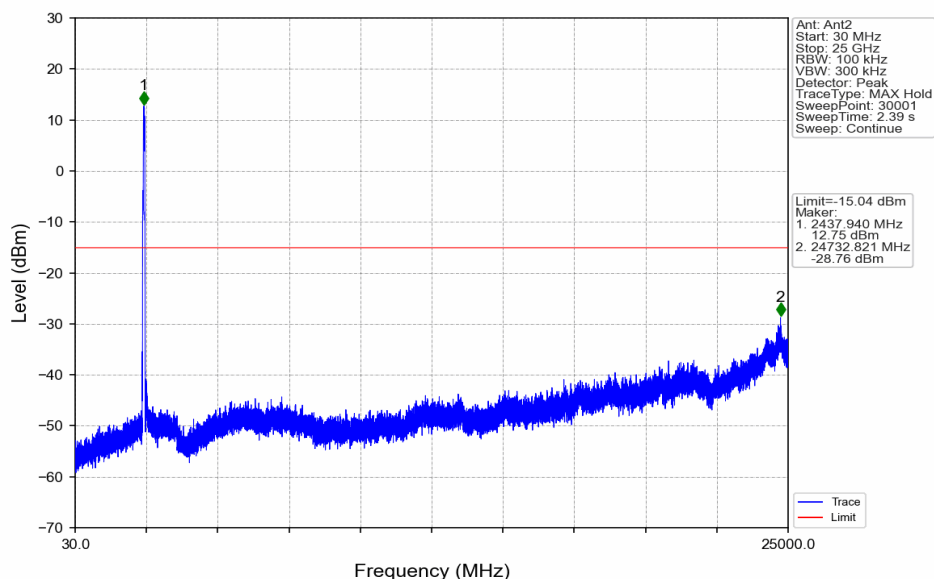
60M_HCH_2442.5MHz_Ant1_NTNV



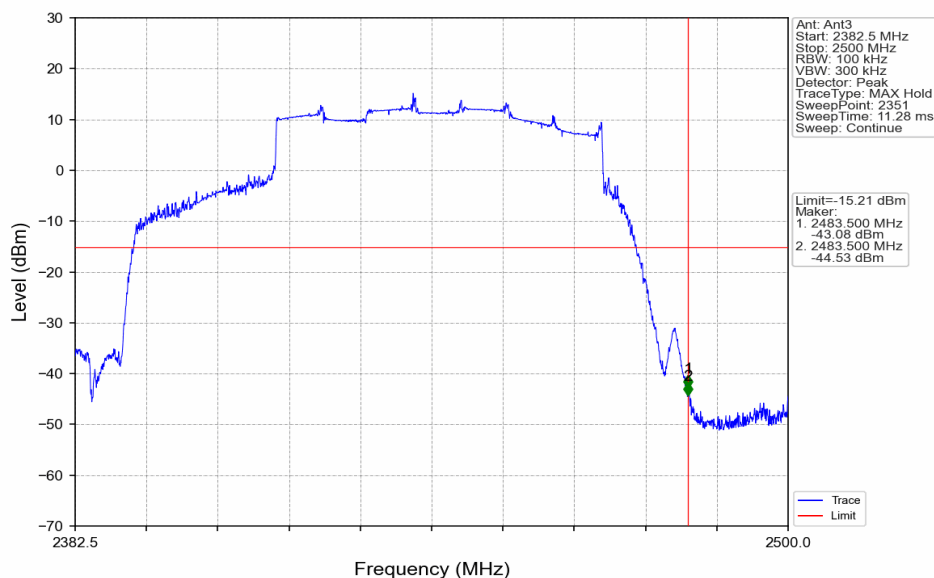
60M_HCH_2442.5MHz_Ant2_NTNV



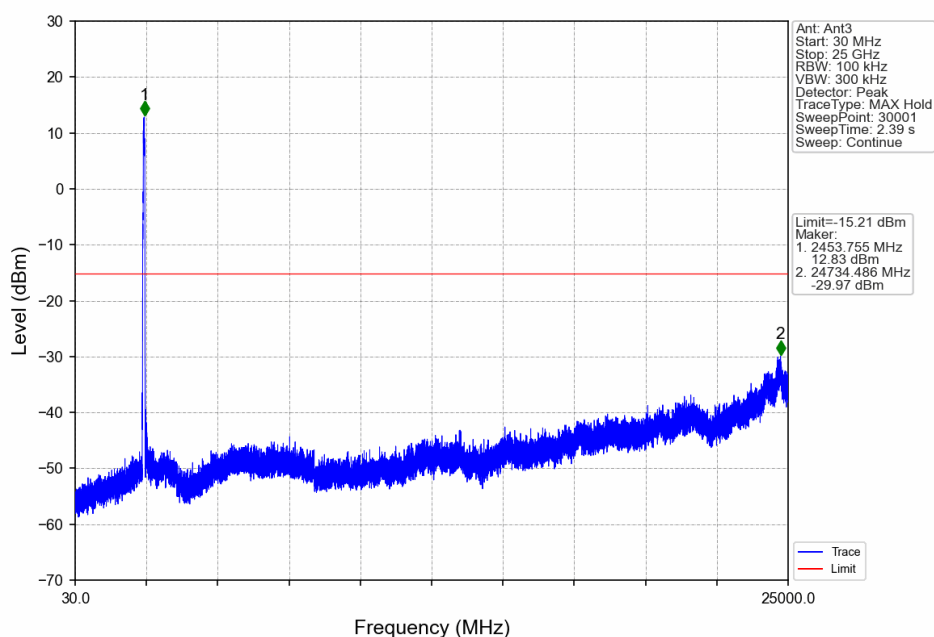
60M_HCH_2442.5MHz_Ant2_NTNV



60M_HCH_2442.5MHz_Ant3_NTNV



60M_HCH_2442.5MHz_Ant3_NTNV



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

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

Report No.: SZCR230400100905

Page: 308 of 437

MIMO Mode (ANT1 combined ANT2 is the worse-case, only the worse-case test data were reported)

1. Duty Cycle

1.1 Ant1

1.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	T _{on} (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1.4M	MIMO	2403.5	100.000	100.000	100.00	0.00	0.00
		2437.5	100.000	100.000	100.00	0.00	0.00
		2469.12	100.000	100.000	100.00	0.00	0.00
3M	MIMO	2405.5	100.000	100.000	100.00	0.00	0.00
		2437.88	100.000	100.000	100.00	0.00	0.00
		2468.2	100.000	100.000	100.00	0.00	0.00
5M	MIMO	2404.5	100.000	100.000	100.00	0.00	0.00
		2437.74	100.000	100.000	100.00	0.00	0.00
		2469.5	100.000	100.000	100.00	0.00	0.00
10M	MIMO	2407.5	100.000	100.000	100.00	0.00	0.00
		2437.5	100.000	100.000	100.00	0.00	0.00
		2467.5	100.000	100.000	100.00	0.00	0.00
20M	MIMO	2412.5	100.000	100.000	100.00	0.00	0.00
		2437.5	100.000	100.000	100.00	0.00	0.00
		2462.5	100.000	100.000	100.00	0.00	0.00
40M	MIMO	2422.5	100.000	100.000	100.00	0.00	0.00
		2437.5	100.000	100.000	100.00	0.00	0.00
		2452.5	100.000	100.000	100.00	0.00	0.00
60M	MIMO	2432.5	100.000	100.000	100.00	0.00	0.00
		2437.5	100.000	100.000	100.00	0.00	0.00
		2442.5	100.000	100.000	100.00	0.00	0.00

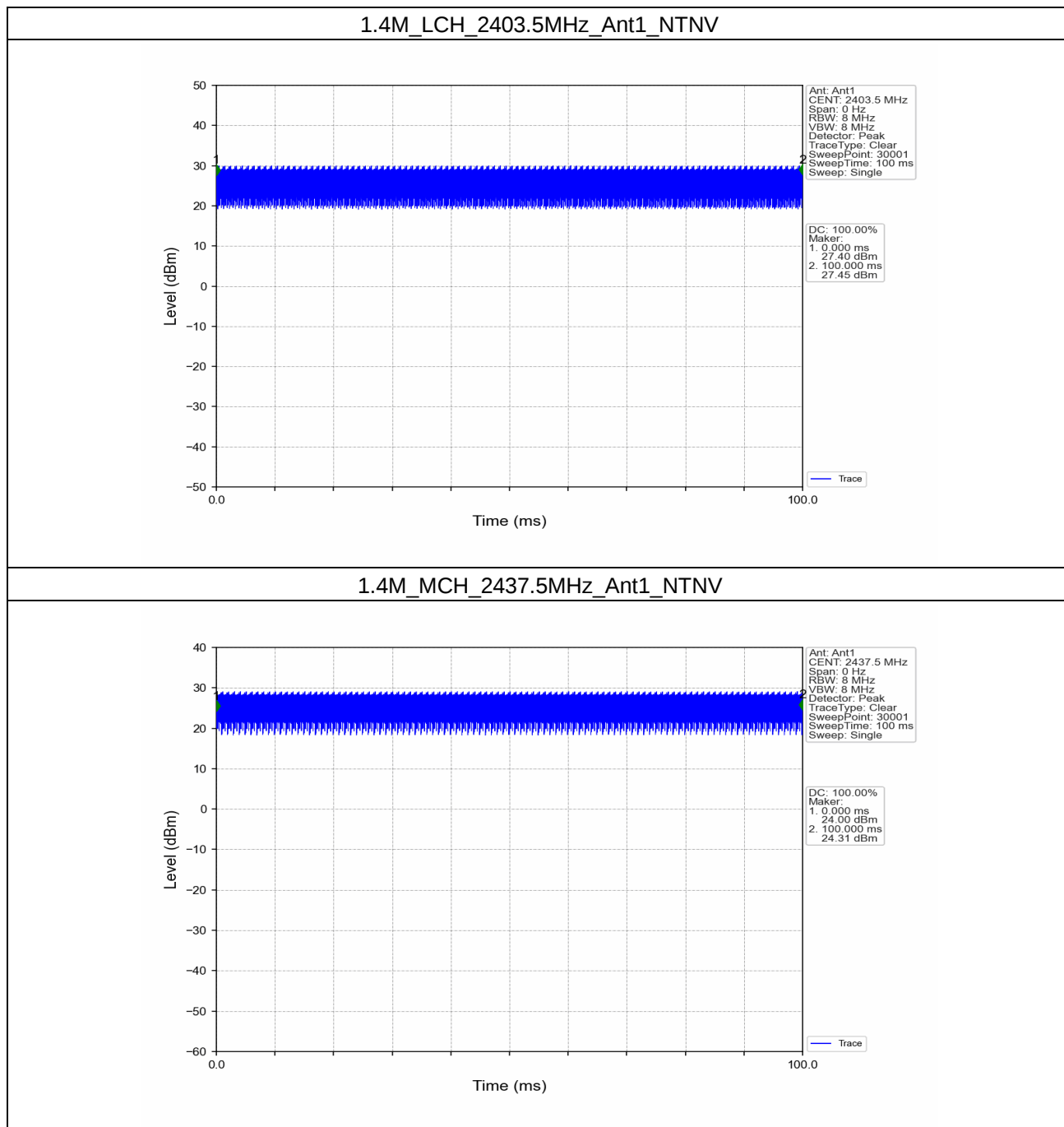


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

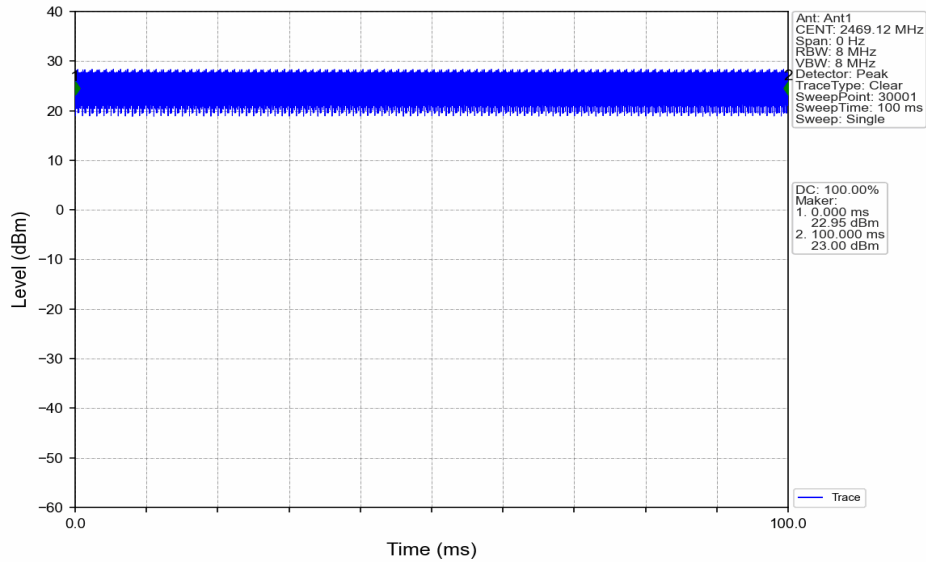
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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

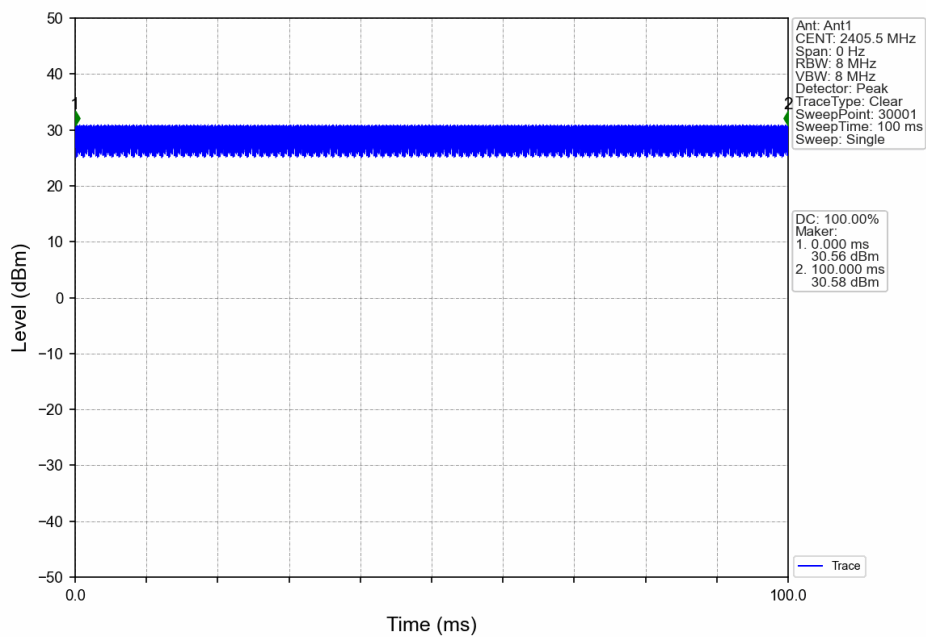
1.1.2 Test Graph



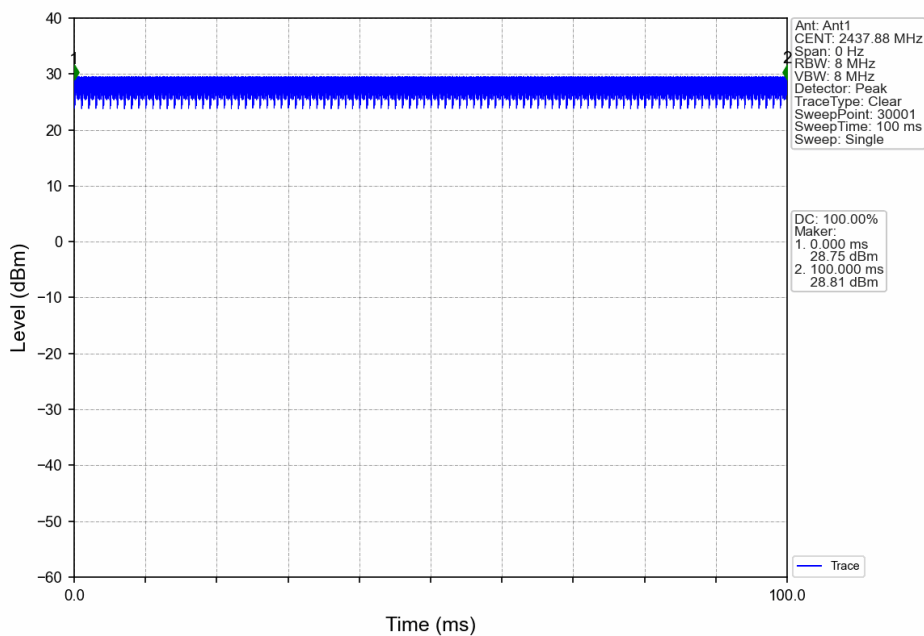
1.4M_HCH_2469.12MHz_Ant1_NTNV



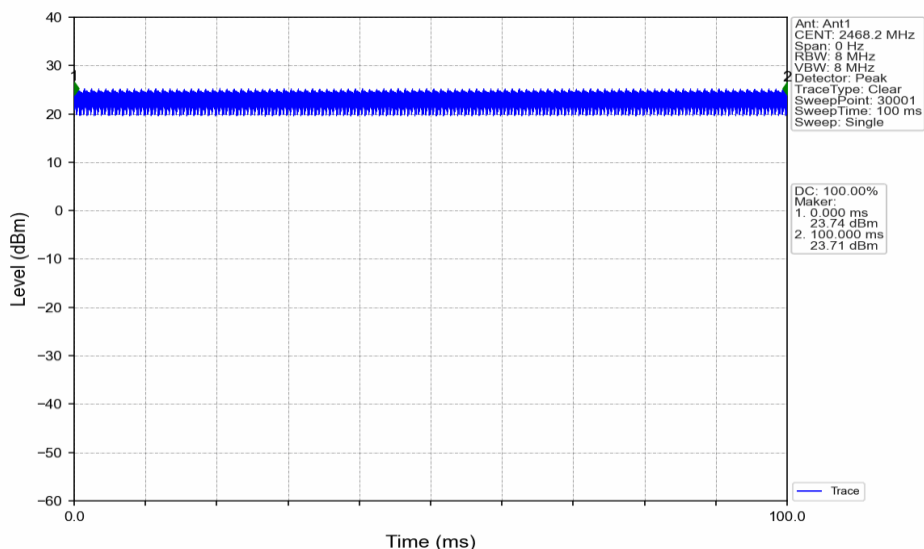
3M_LCH_2405.5MHz_Ant1_NTNV



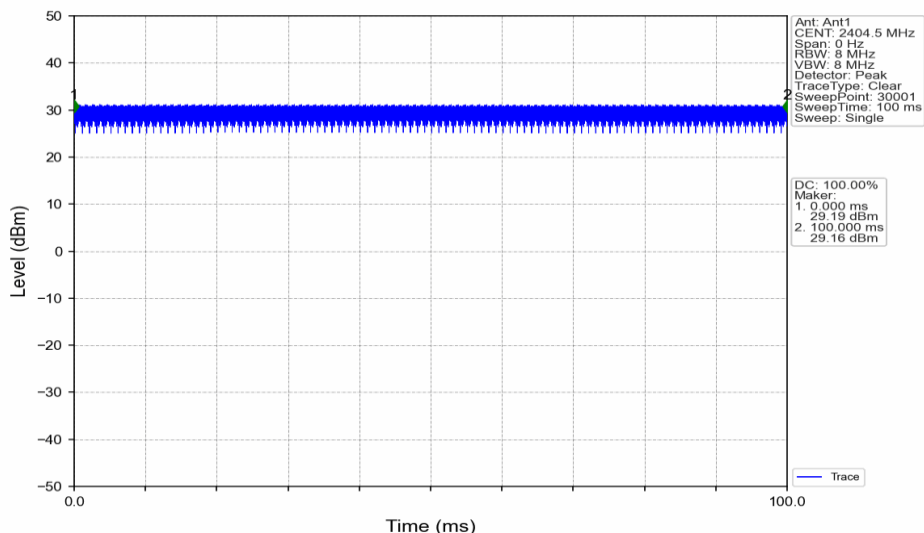
3M_MCH_2437.88MHz_Ant1_NTNV



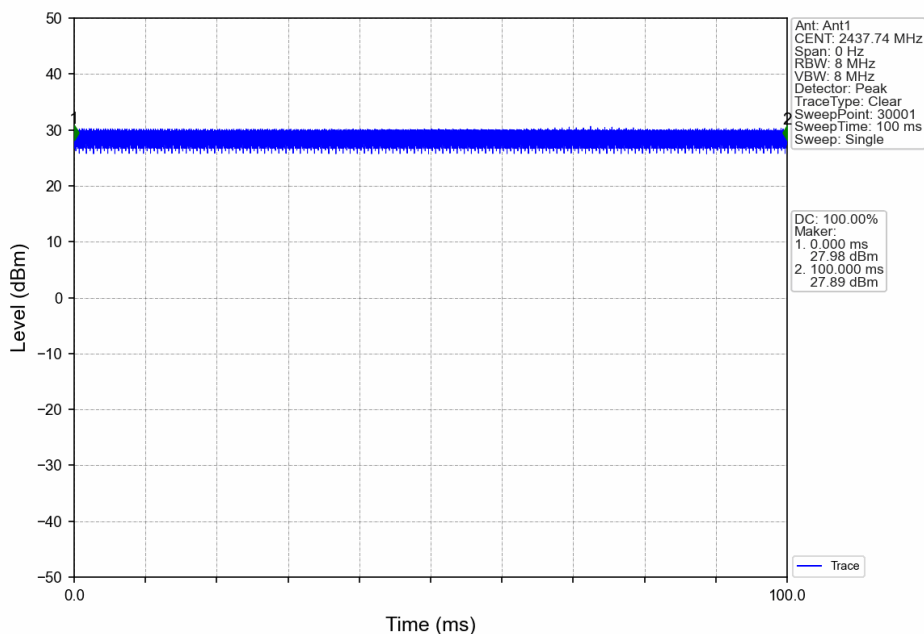
3M_HCH_2468.2MHz_Ant1_NTNV



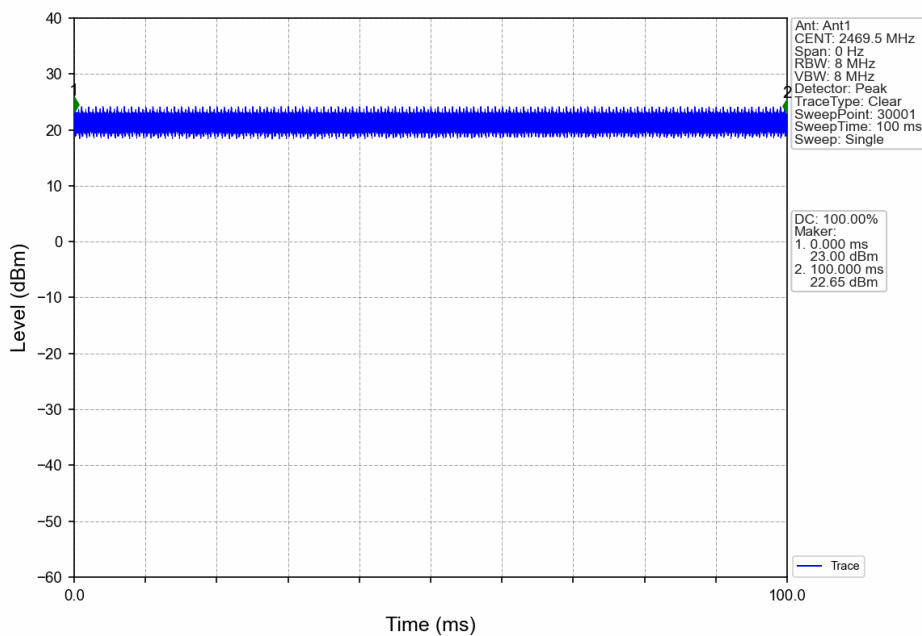
5M_LCH_2404.5MHz_Ant1_NTNV



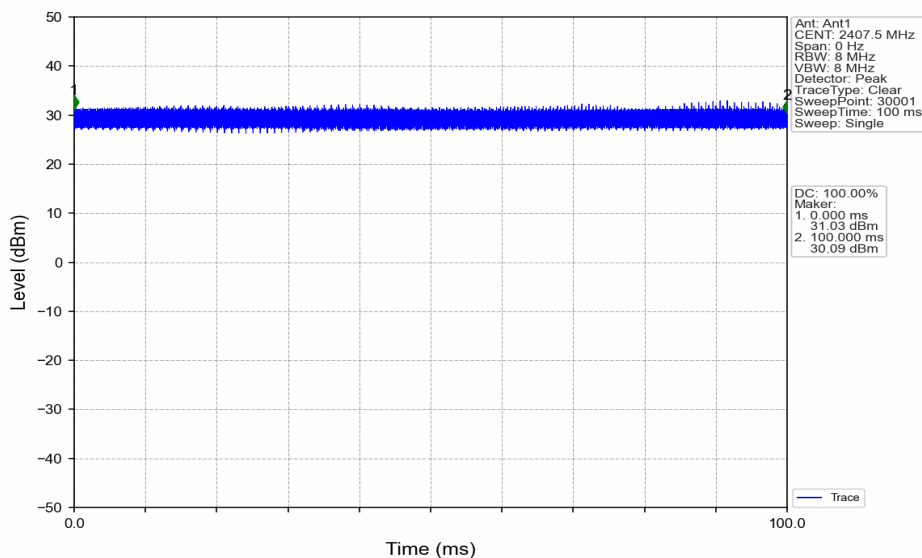
5M_MCH_2437.74MHz_Ant1_NTNV



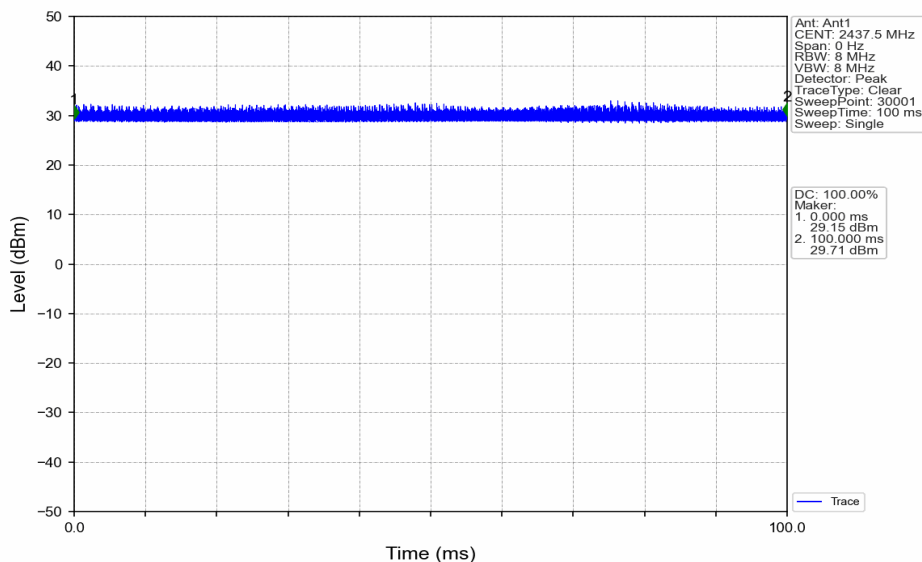
5M_HCH_2469.5MHz_Ant1_NTNV



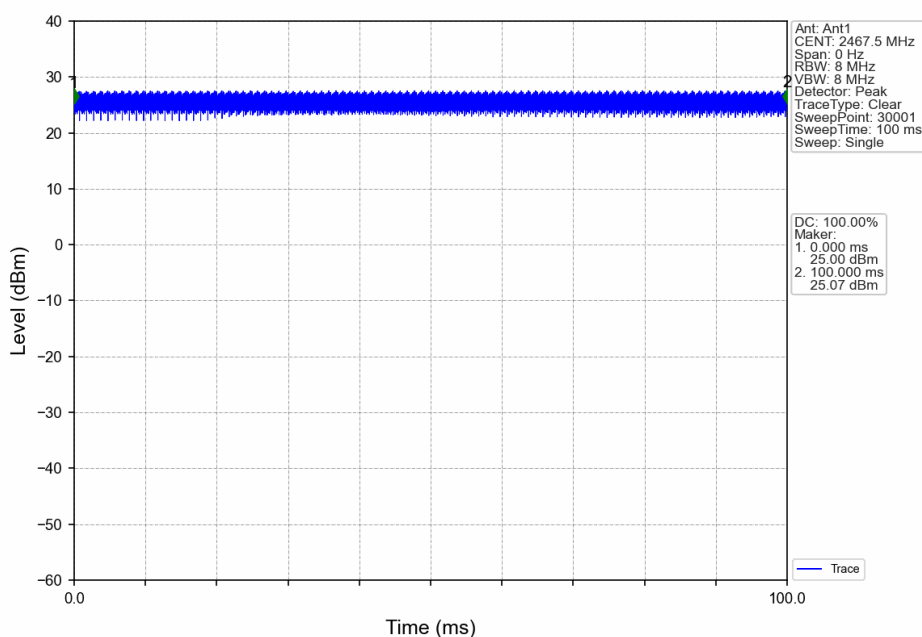
10M_LCH_2407.5MHz_Ant1_NTNV



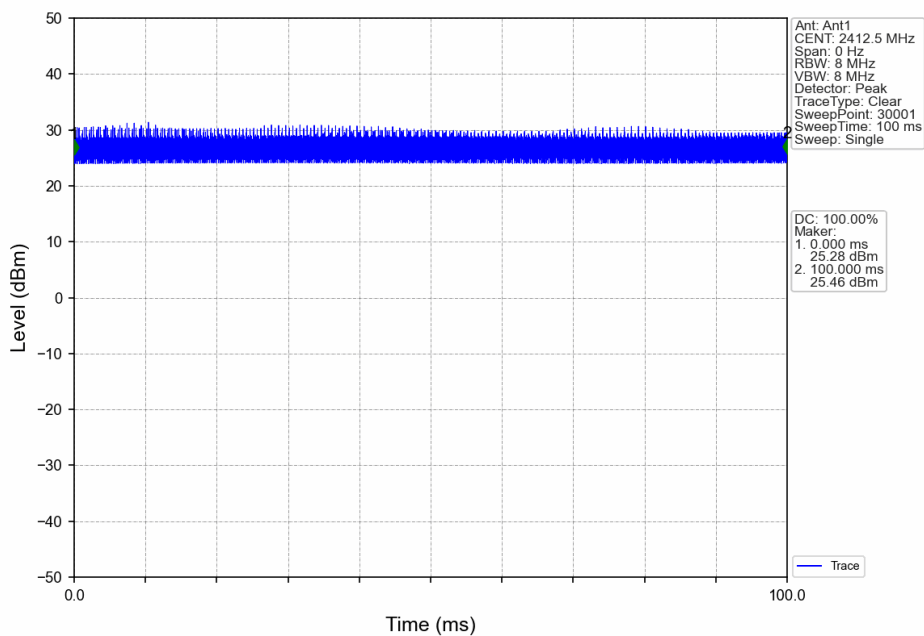
10M_MCH_2437.5MHz_Ant1_NTNV



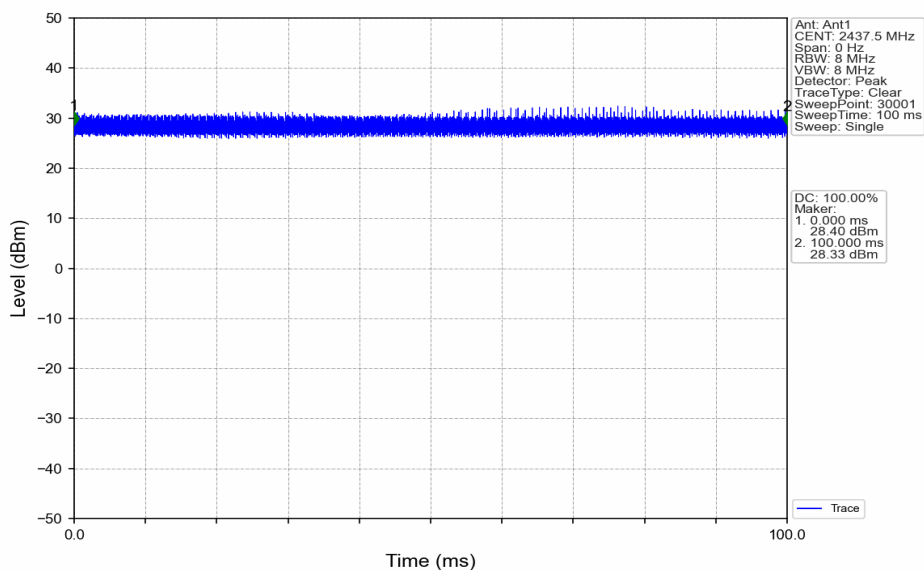
10M_HCH_2467.5MHz_Ant1_NTNV



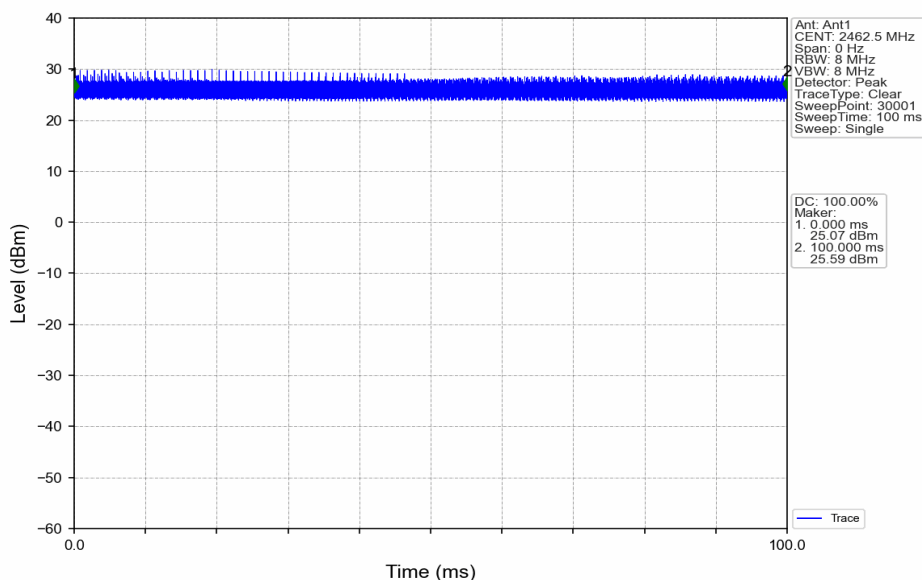
20M_LCH_2412.5MHz_Ant1_NTNV



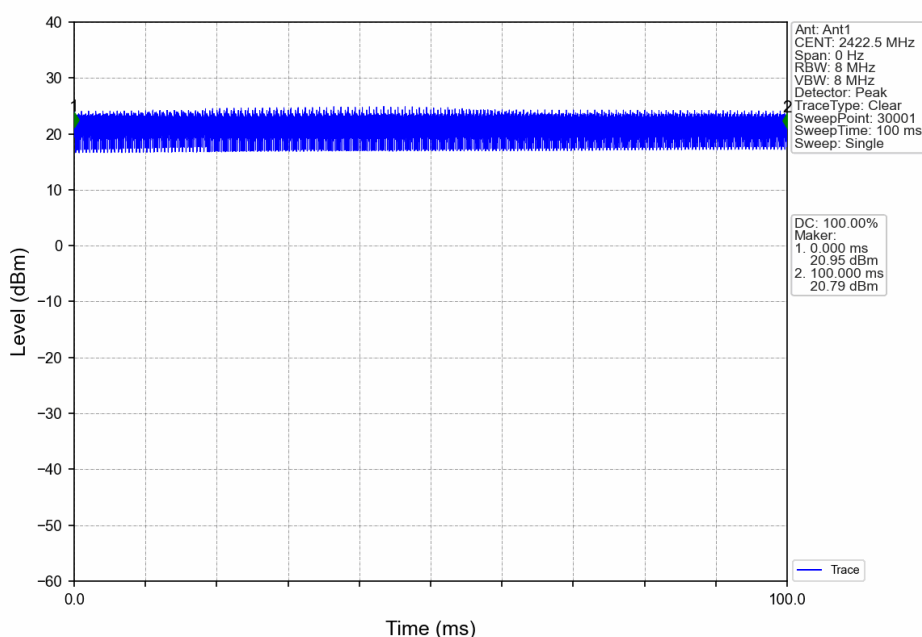
20M_MCH_2437.5MHz_Ant1_NTNV



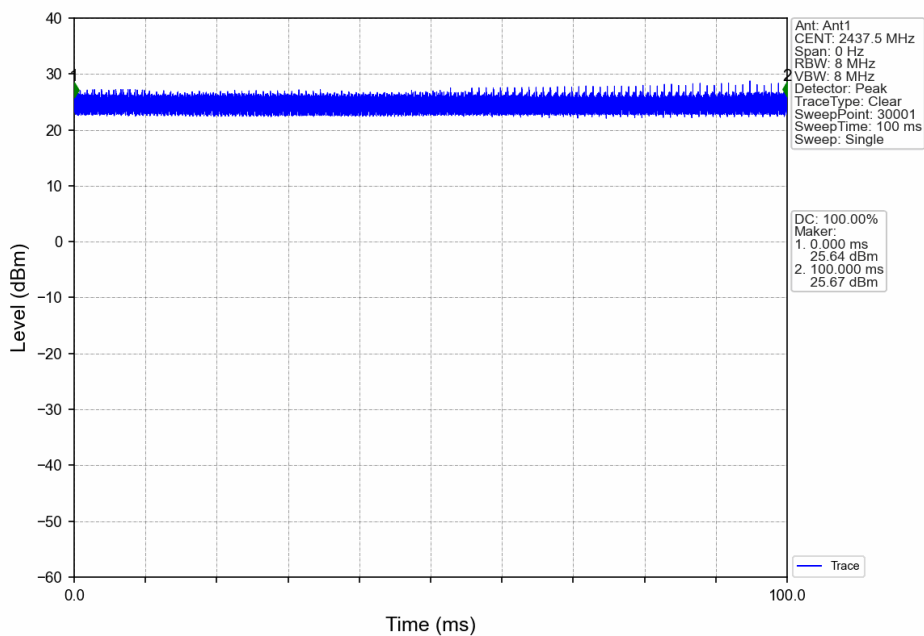
20M_HCH_2462.5MHz_Ant1_NTNV



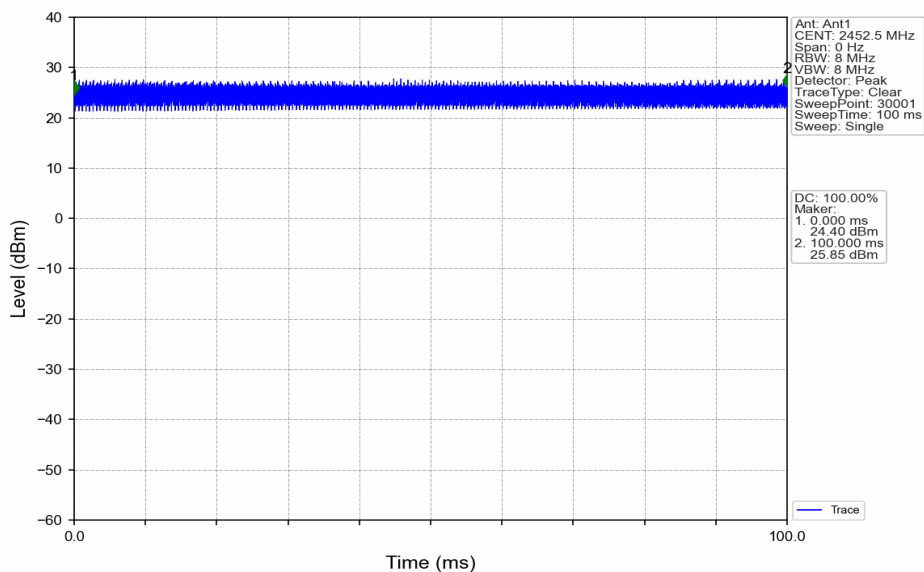
40M_LCH_2422.5MHz_Ant1_NTNV



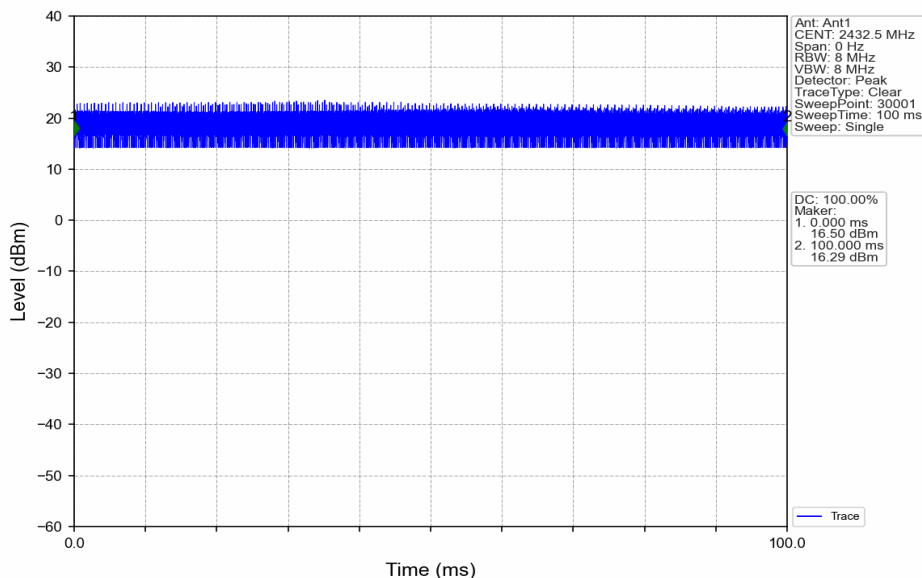
40M_MCH_2437.5MHz_Ant1_NTNV



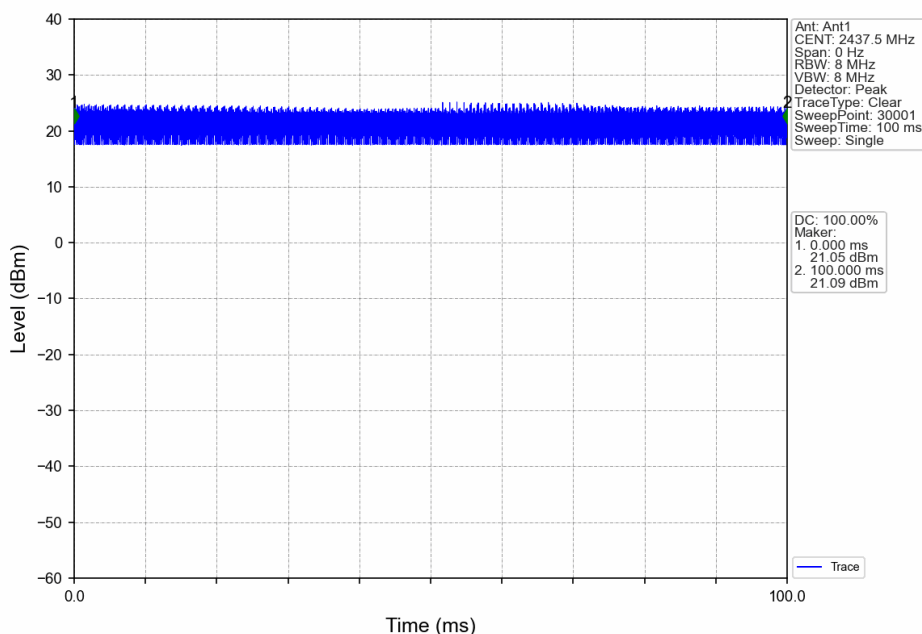
40M_HCH_2452.5MHz_Ant1_NTNV

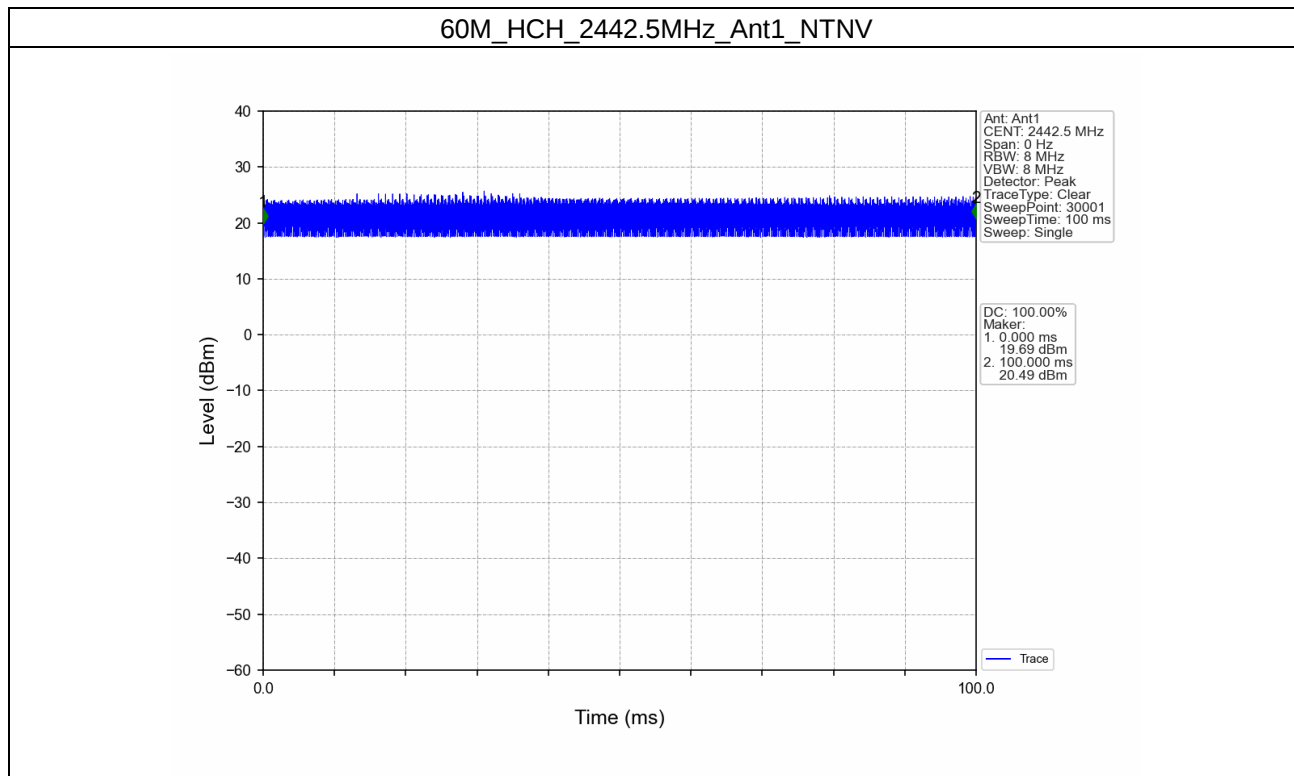


60M_LCH_2432.5MHz_Ant1_NTNV



60M_MCH_2437.5MHz_Ant1_NTNV





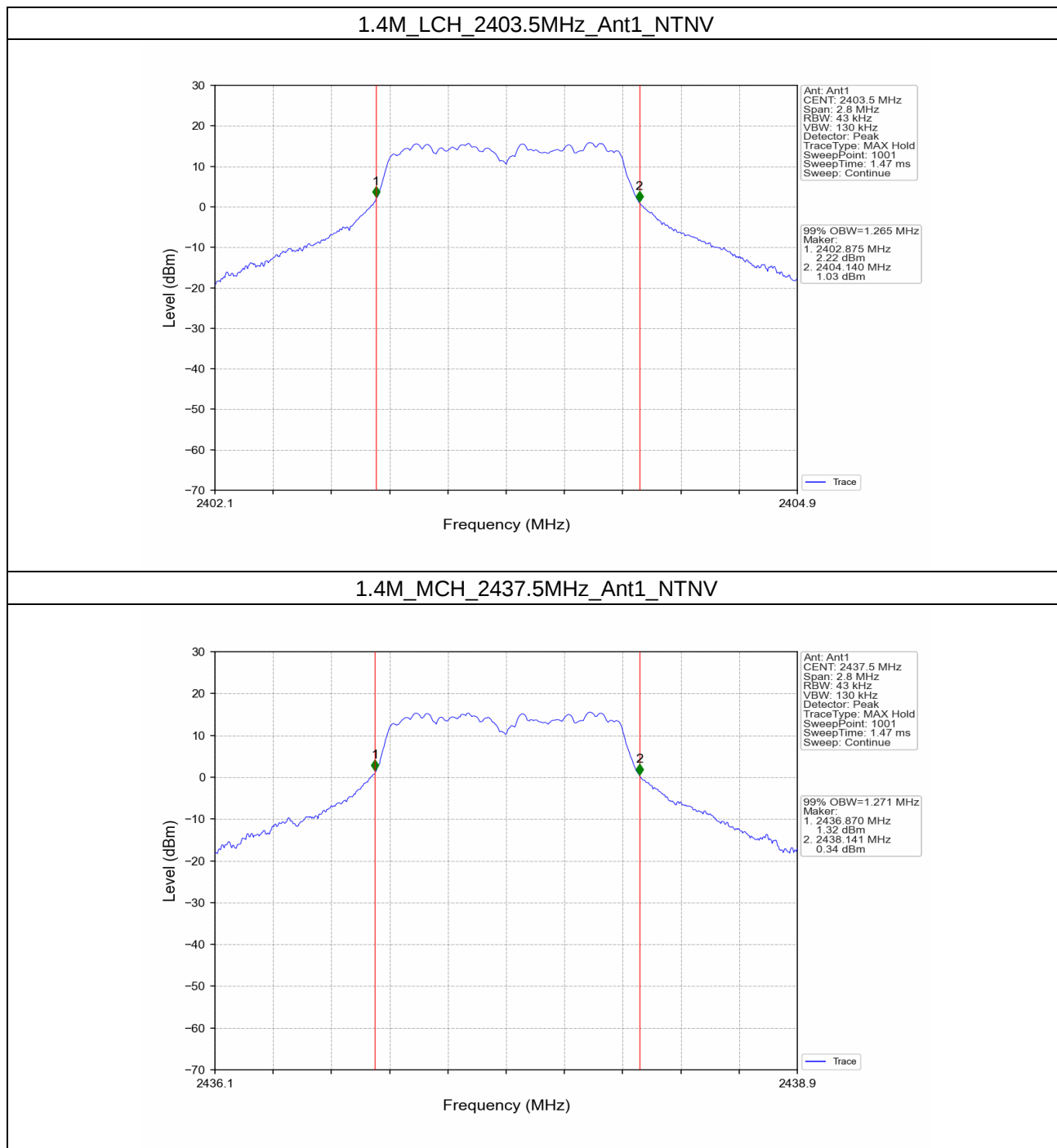
2. Bandwidth

2.1 OBW

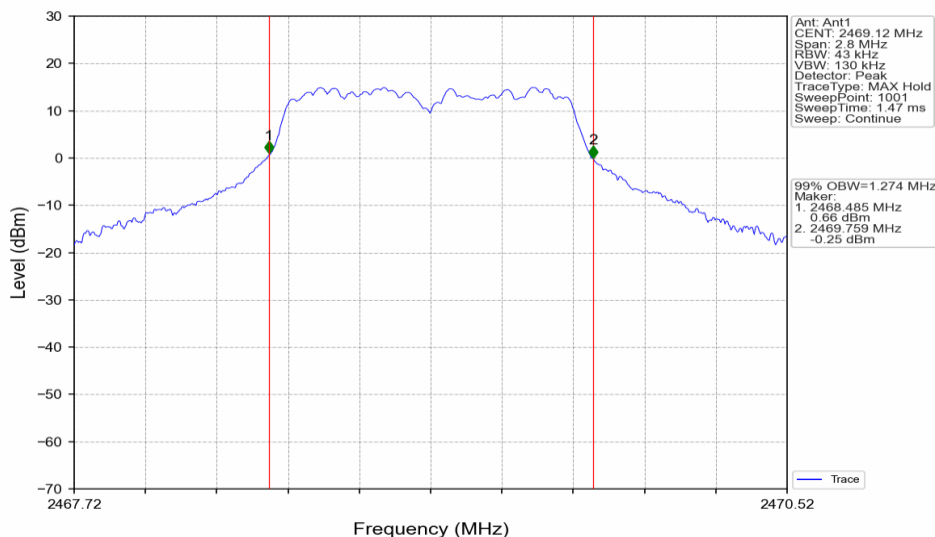
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
1.4M	MIMO	2403.5	1	1.265	Pass
		2437.5	1	1.271	Pass
		2469.12	1	1.274	Pass
3M	MIMO	2405.5	1	2.331	Pass
		2437.88	1	2.401	Pass
		2468.2	1	2.927	Pass
5M	MIMO	2404.5	1	4.512	Pass
		2437.74	1	4.588	Pass
		2469.5	1	6.587	Pass
10M	MIMO	2407.5	1	9.227	Pass
		2437.5	1	12.250	Pass
		2467.5	1	11.407	Pass
20M	MIMO	2412.5	1	18.281	Pass
		2437.5	1	23.348	Pass
		2462.5	1	20.378	Pass
40M	MIMO	2422.5	1	36.331	Pass
		2437.5	1	54.027	Pass
		2452.5	1	45.550	Pass
60M	MIMO	2432.5	1	53.842	Pass
		2437.5	1	54.427	Pass
		2442.5	1	54.530	Pass

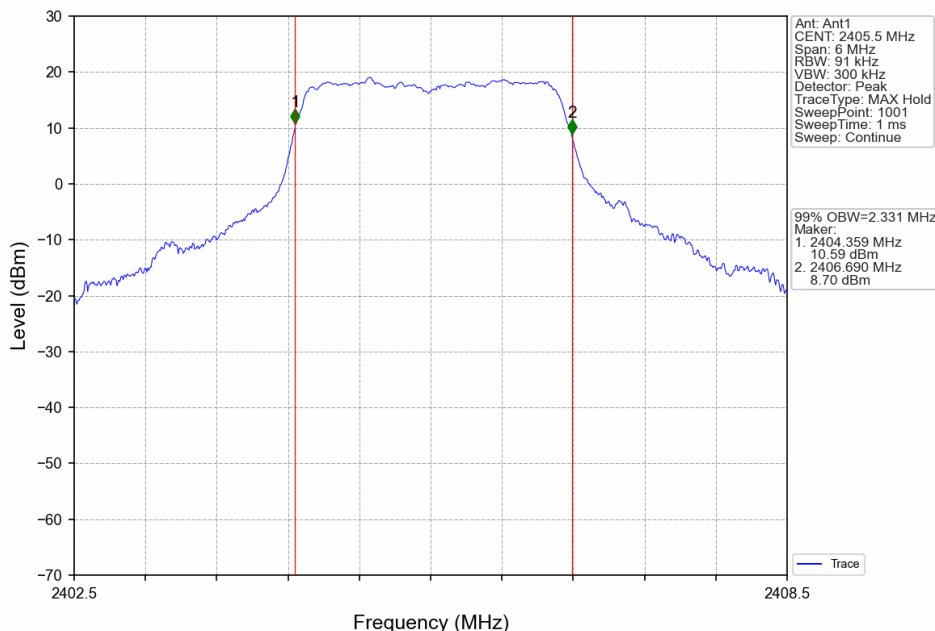
2.1.2 Test Graph



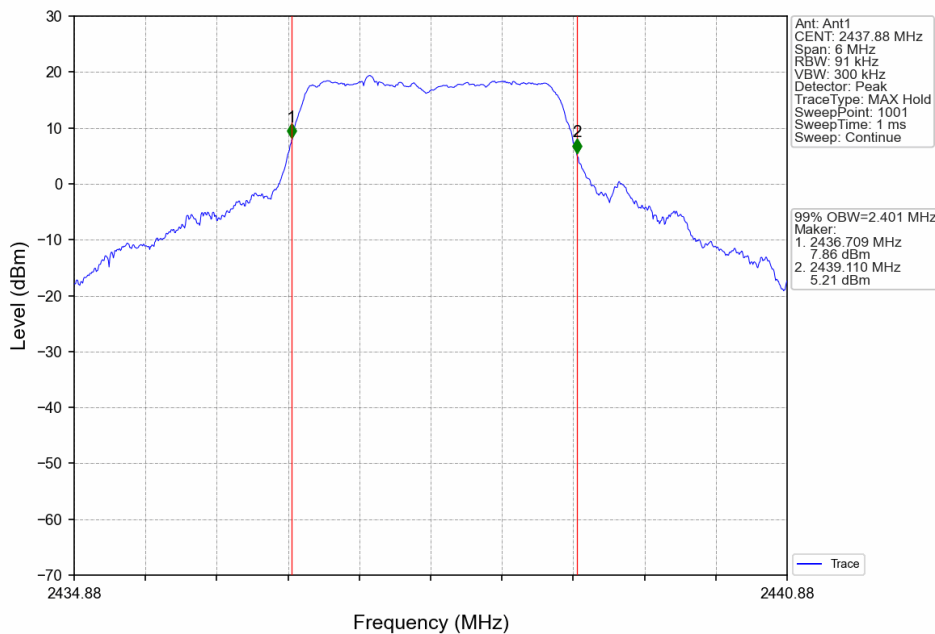
1.4M_HCH_2469.12MHz_Ant1_NTNV



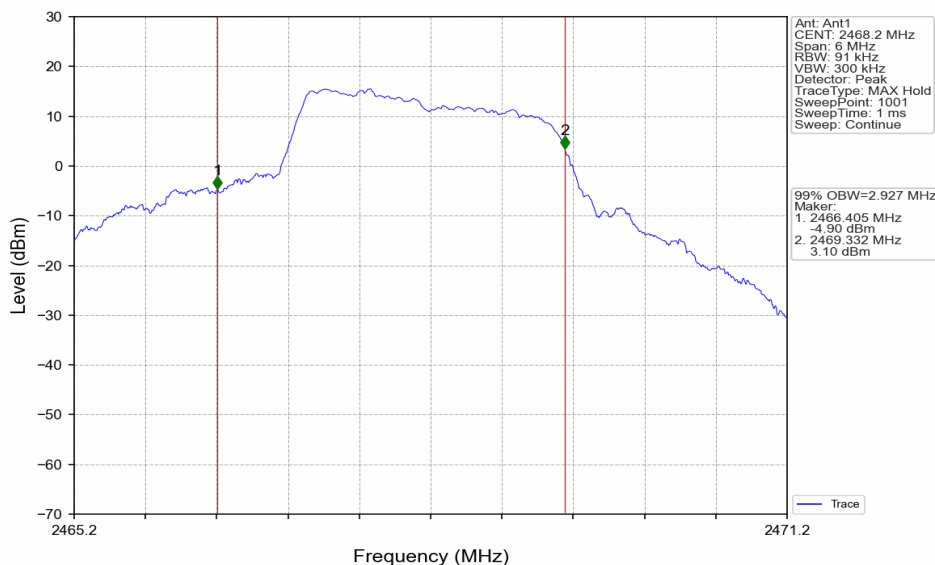
3M_LCH_2405.5MHz_Ant1_NTNV



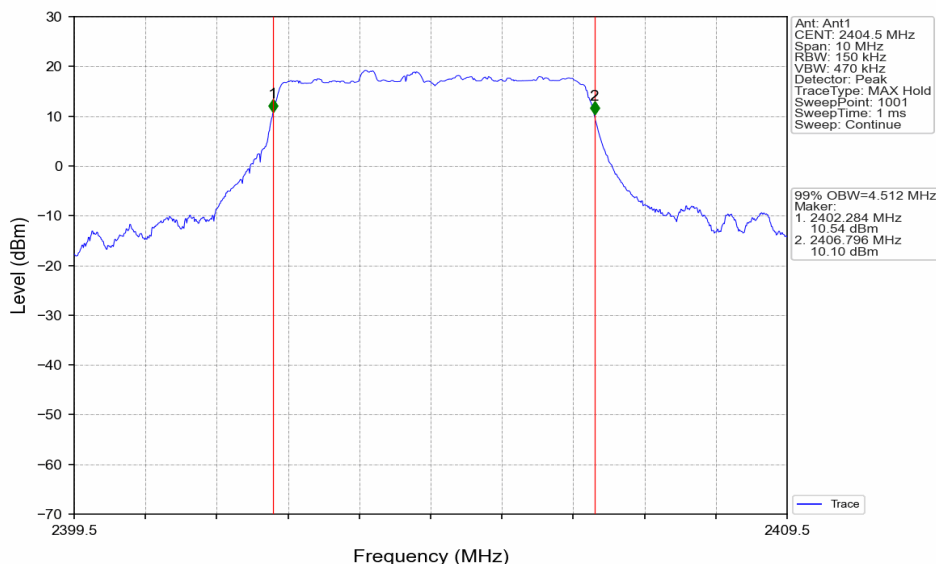
3M_MCH_2437.88MHz_Ant1_NTNV



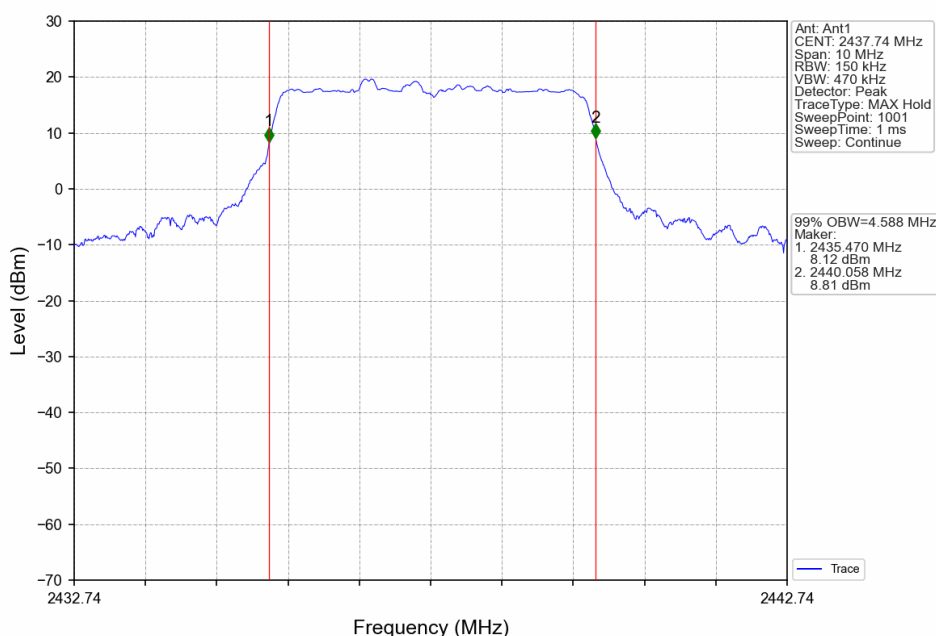
3M_HCH_2468.2MHz_Ant1_NTNV



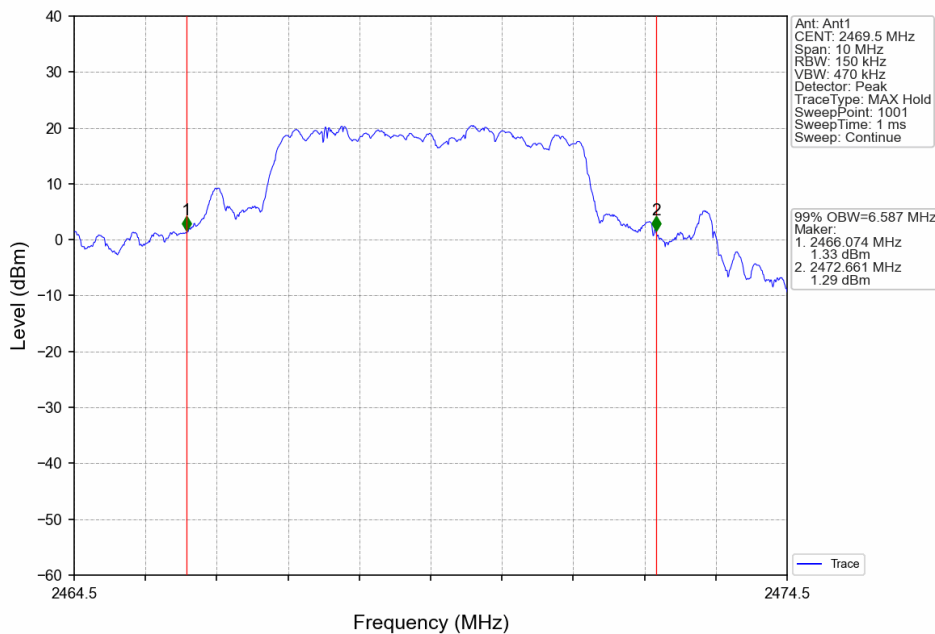
5M_LCH_2404.5MHz_Ant1_NTNV



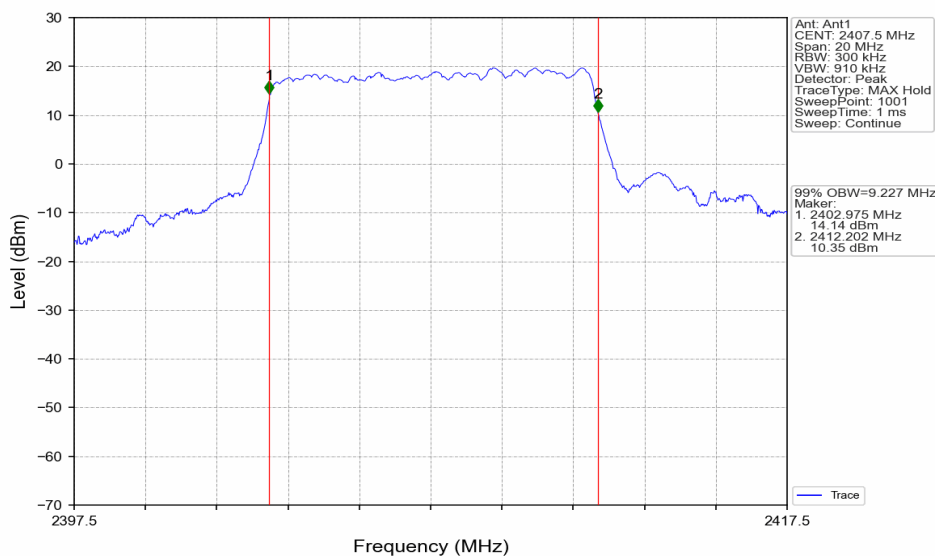
5M_MCH_2437.74MHz_Ant1_NTNV



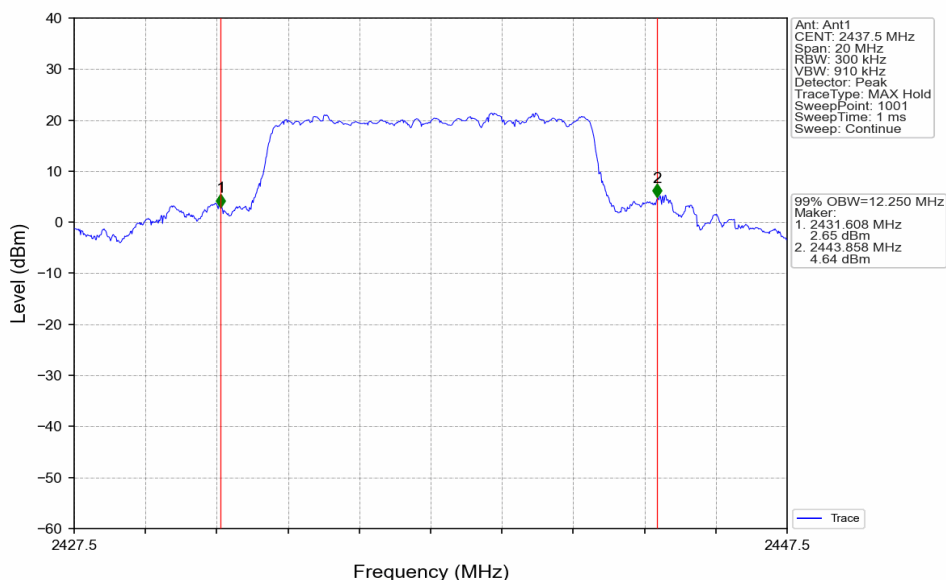
5M_HCH_2469.5MHz_Ant1_NTNV



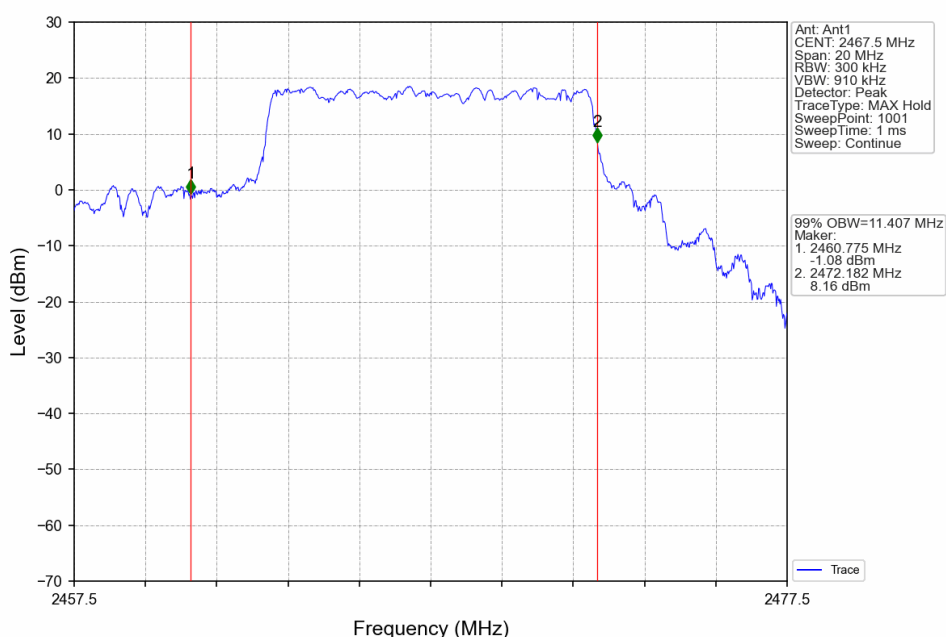
10M_LCH_2407.5MHz_Ant1_NTNV



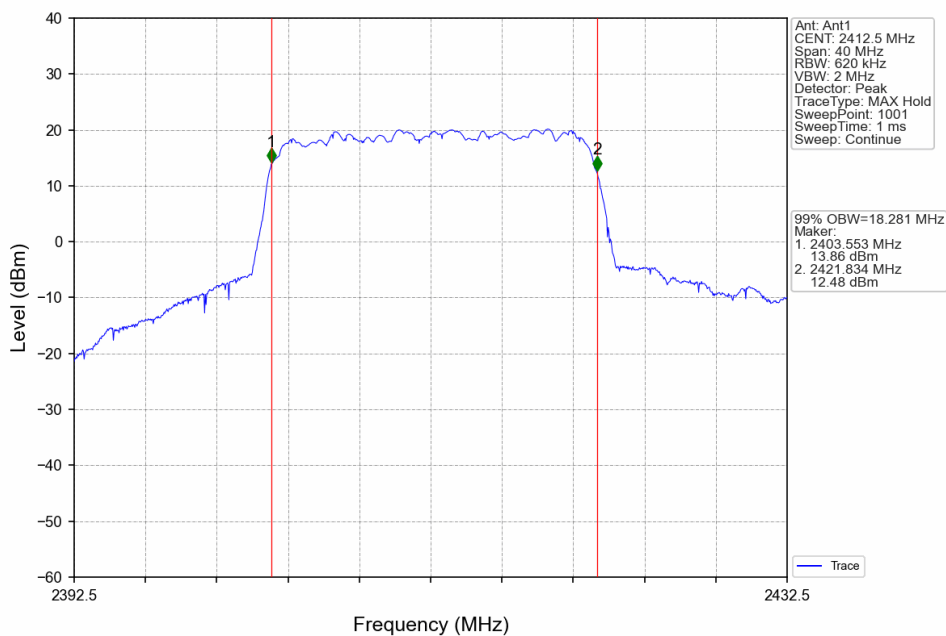
10M_MCH_2437.5MHz_Ant1_NTNV



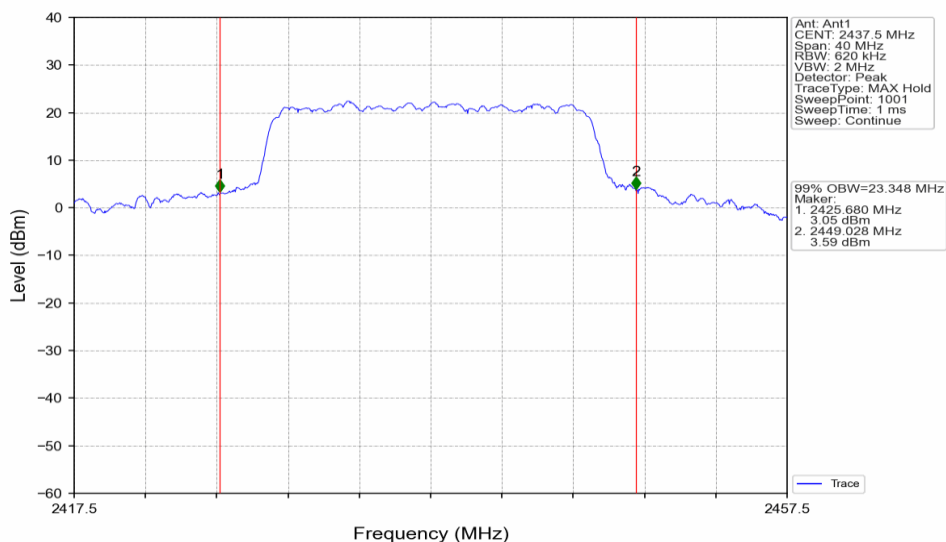
10M_HCH_2467.5MHz_Ant1_NTNV



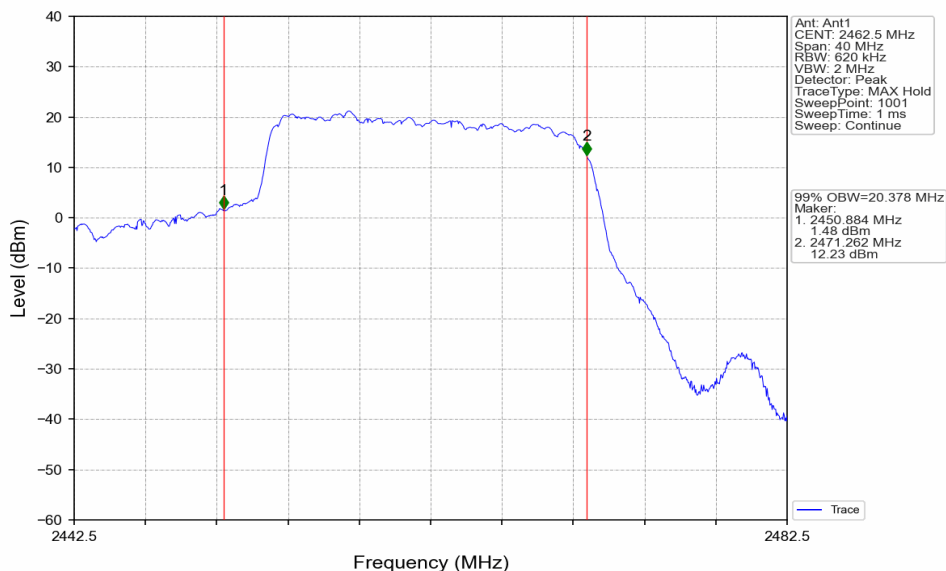
20M_LCH_2412.5MHz_Ant1_NTNV



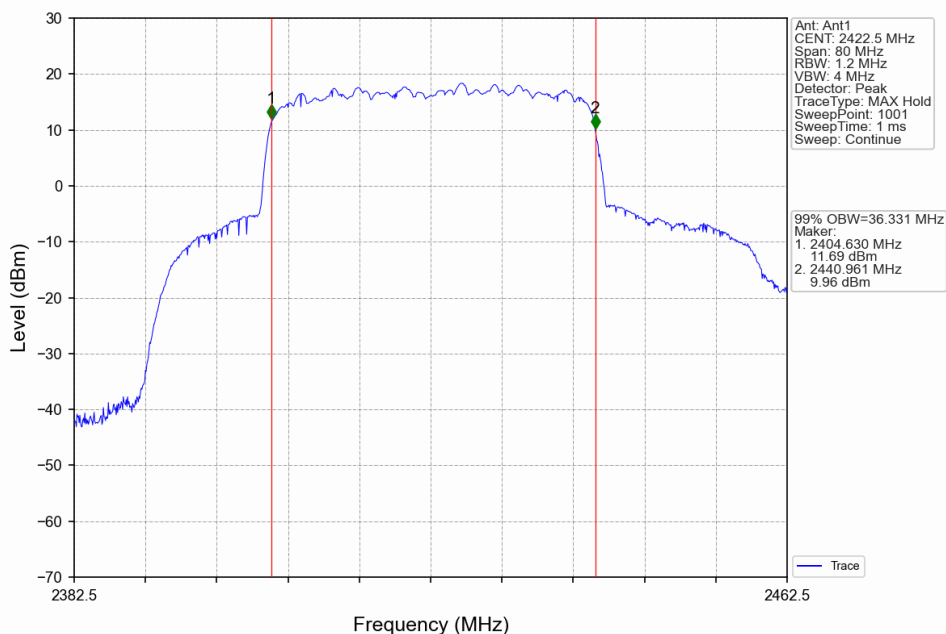
20M_MCH_2437.5MHz_Ant1_NTNV



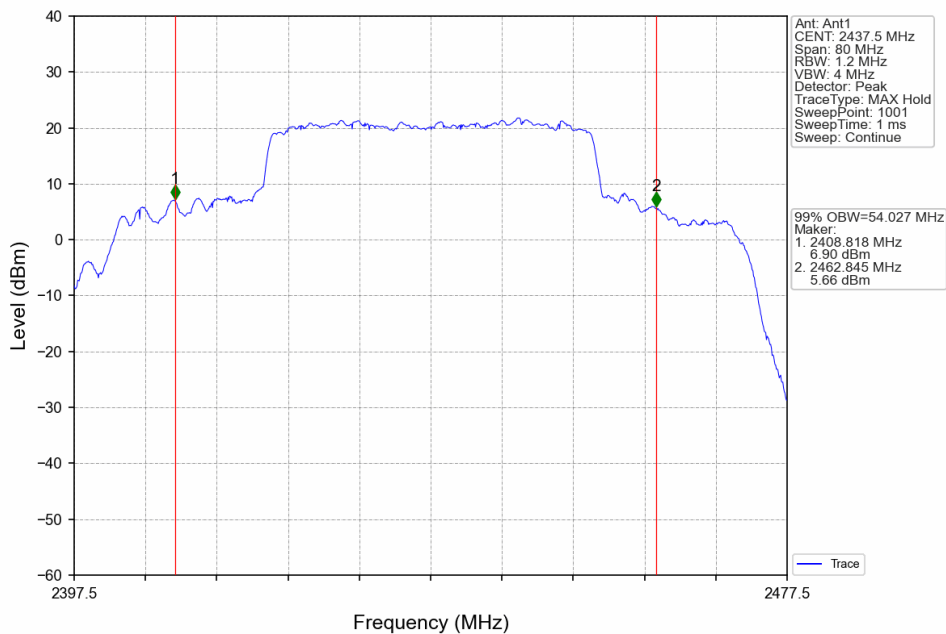
20M_HCH_2462.5MHz_Ant1_NTNV



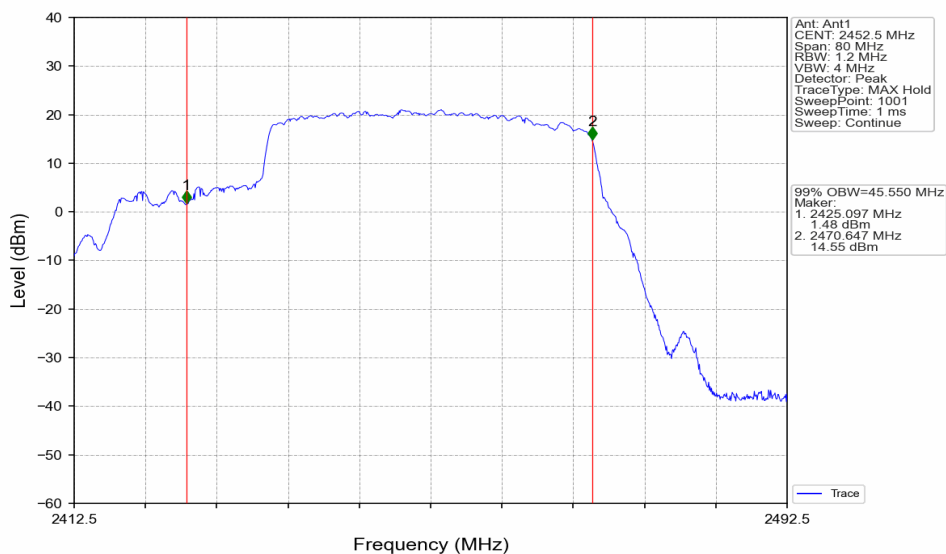
40M_LCH_2422.5MHz_Ant1_NTNV



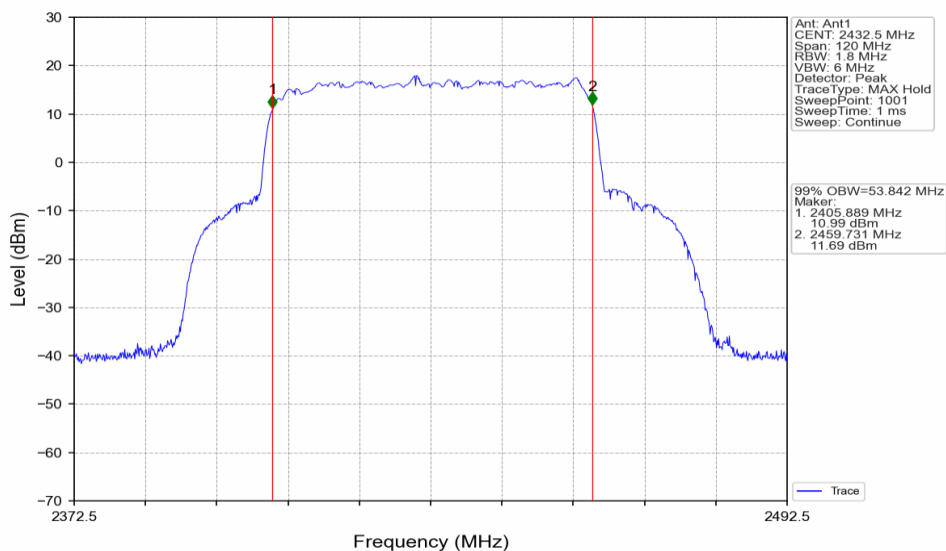
40M_MCH_2437.5MHz_Ant1_NTNV



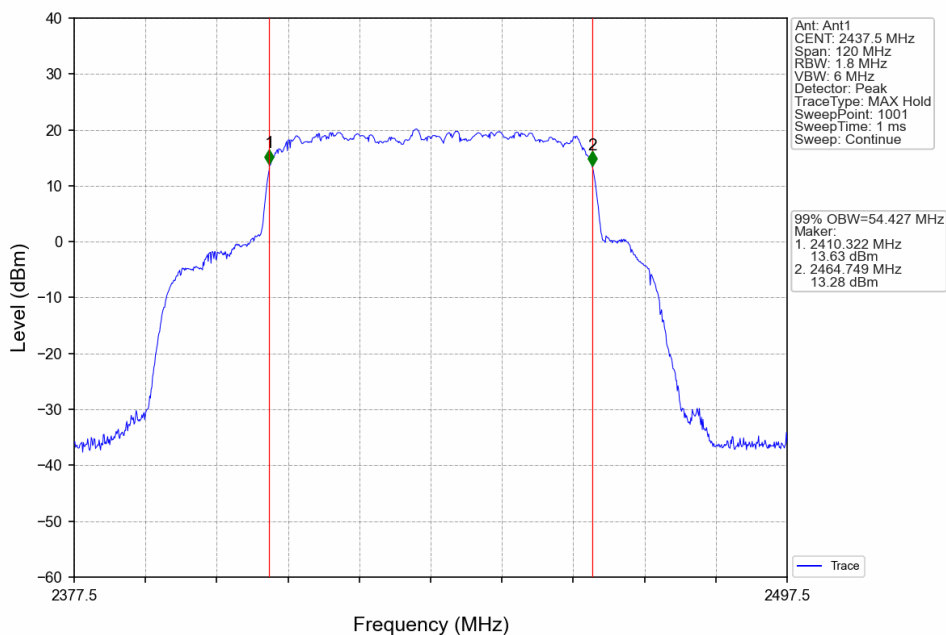
40M_HCH_2452.5MHz_Ant1_NTNV

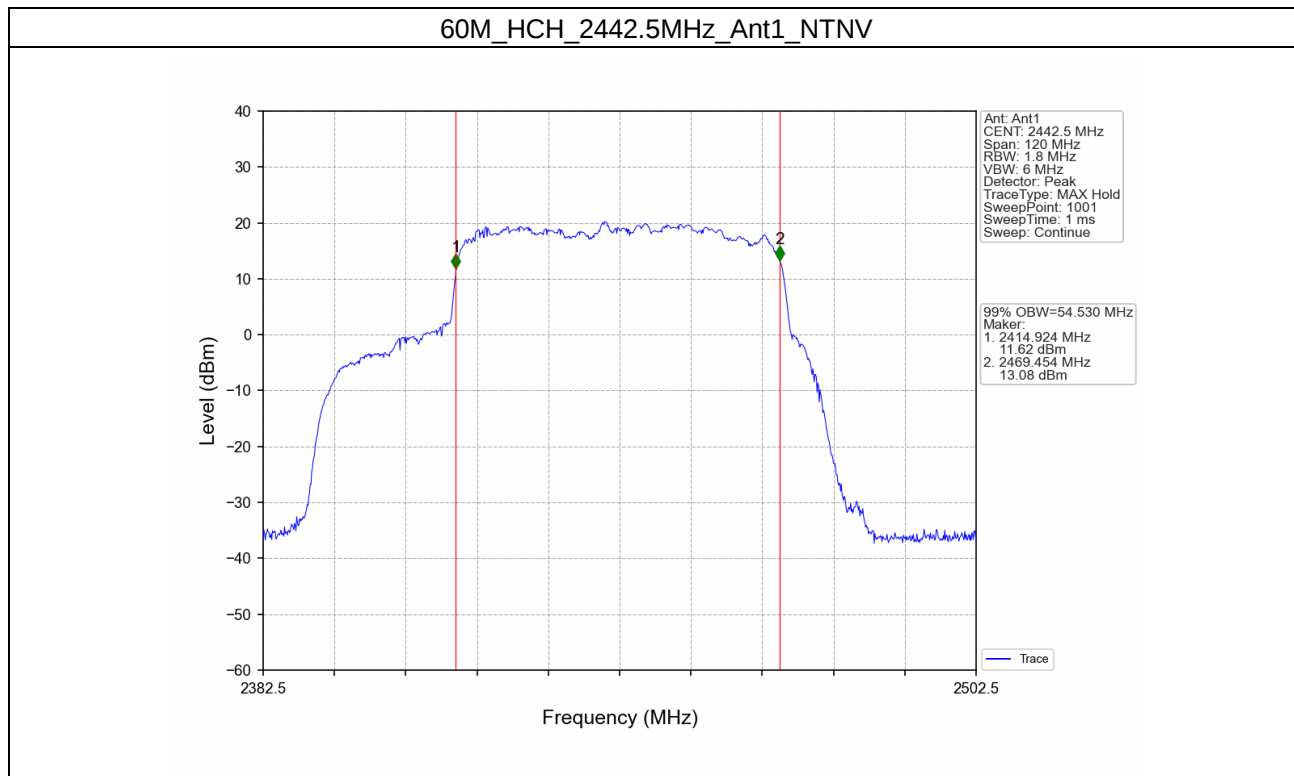


60M_LCH_2432.5MHz_Ant1_NTNV



60M_MCH_2437.5MHz_Ant1_NTNV





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

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

SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Center EEC Laboratory.

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

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

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

Report No.: SZCR230400100905

Page: 332 of 437

2.2 6dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1.4M	MIMO	2403.5	1	1.191	≥ 0.5	Pass
		2437.5	1	1.186	≥ 0.5	Pass
		2469.12	1	1.183	≥ 0.5	Pass
3M	MIMO	2405.5	1	2.220	≥ 0.5	Pass
		2437.88	1	2.220	≥ 0.5	Pass
		2468.2	1	2.048	≥ 0.5	Pass
5M	MIMO	2404.5	1	4.366	≥ 0.5	Pass
		2437.74	1	4.362	≥ 0.5	Pass
		2469.5	1	4.349	≥ 0.5	Pass
10M	MIMO	2407.5	1	9.055	≥ 0.5	Pass
		2437.5	1	9.063	≥ 0.5	Pass
		2467.5	1	9.048	≥ 0.5	Pass
20M	MIMO	2412.5	1	18.050	≥ 0.5	Pass
		2437.5	1	18.059	≥ 0.5	Pass
		2462.5	1	17.566	≥ 0.5	Pass
40M	MIMO	2422.5	1	35.977	≥ 0.5	Pass
		2437.5	1	36.004	≥ 0.5	Pass
		2452.5	1	35.814	≥ 0.5	Pass
60M	MIMO	2432.5	1	52.790	≥ 0.5	Pass
		2437.5	1	53.537	≥ 0.5	Pass
		2442.5	1	52.981	≥ 0.5	Pass



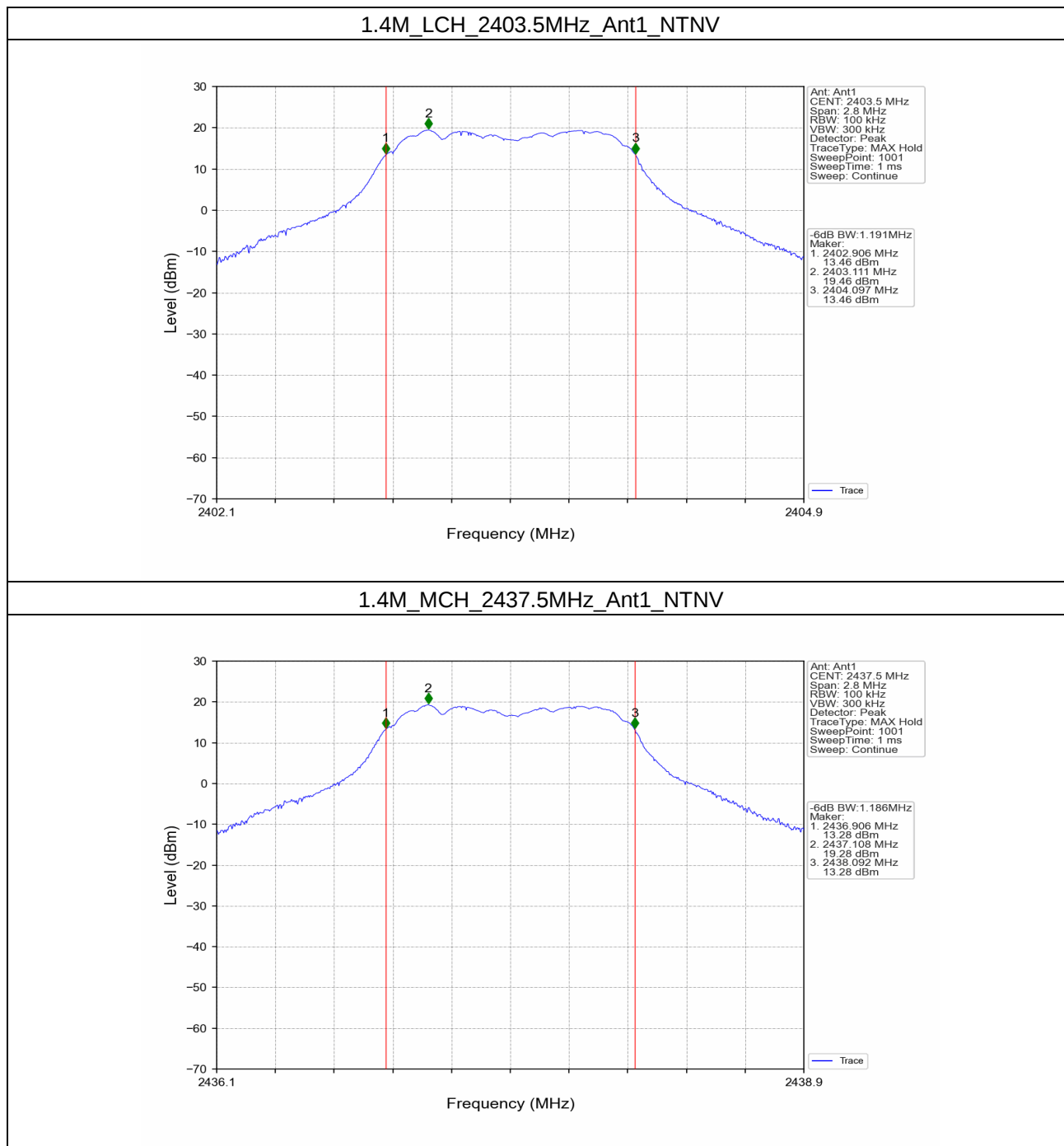
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction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

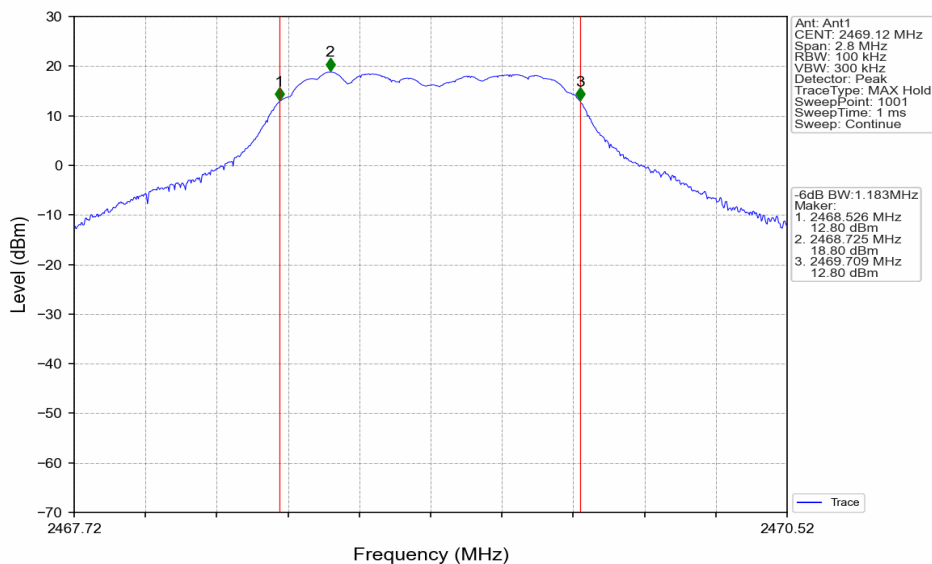
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Center EEC Laboratory.

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

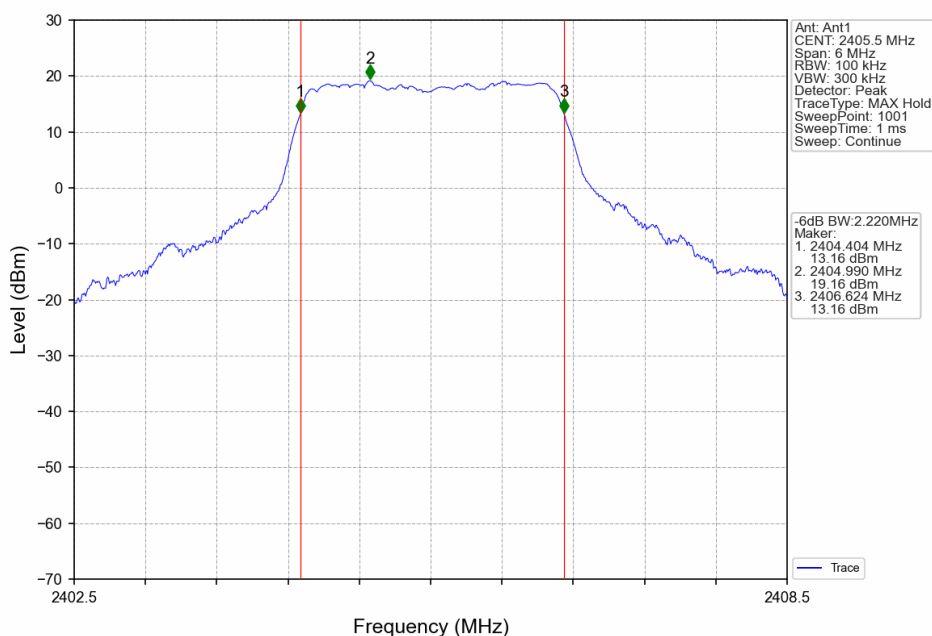
2.2.2 Test Graph



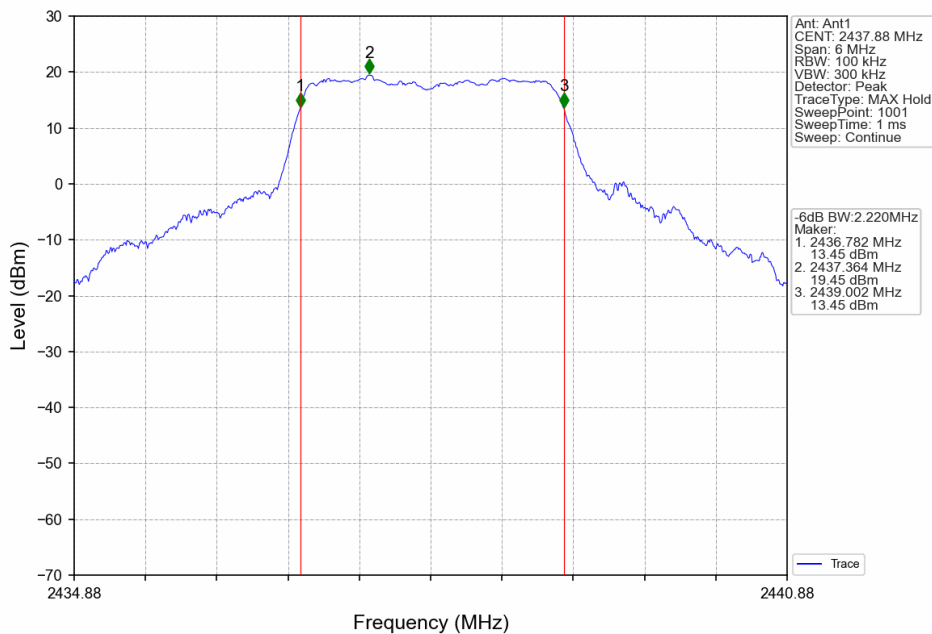
1.4M_HCH_2469.12MHz_Ant1_NTNV



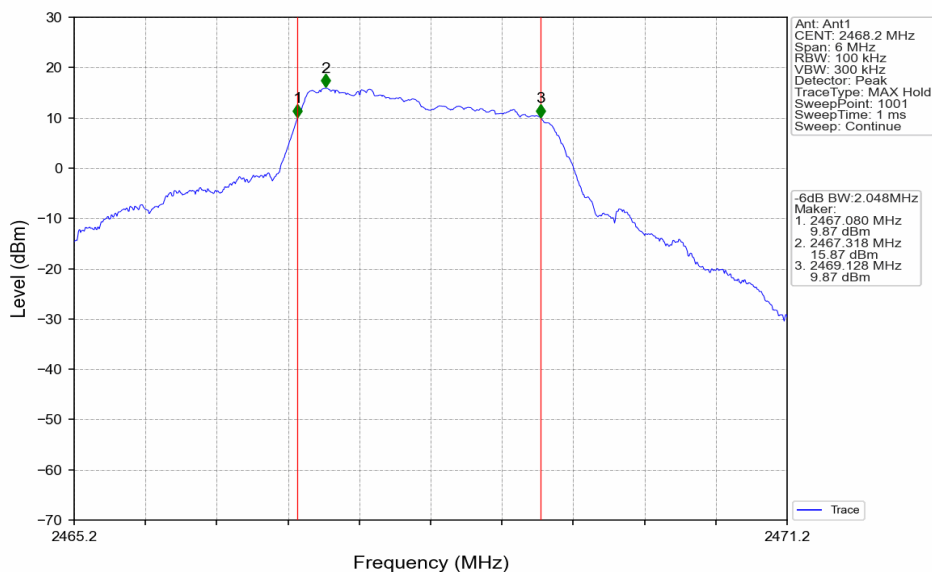
3M_LCH_2405.5MHz_Ant1_NTNV



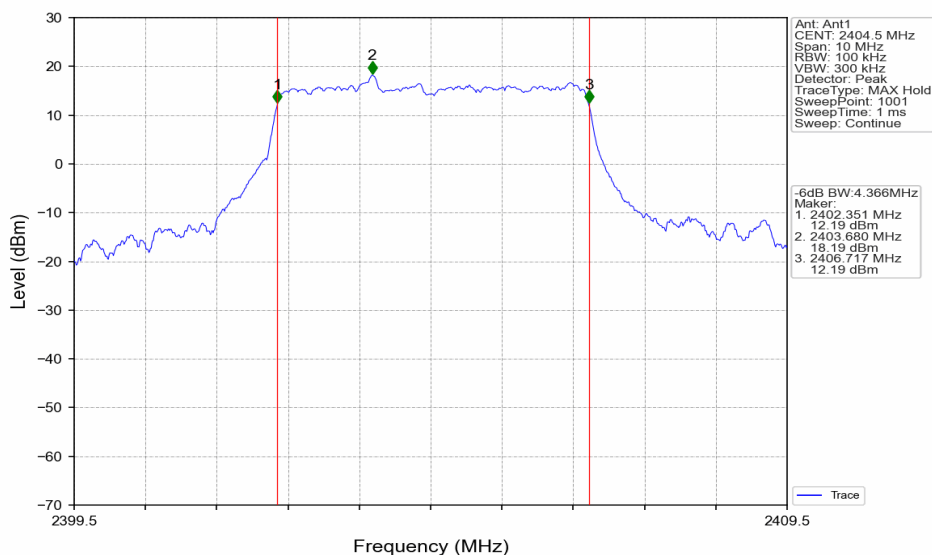
3M_MCH_2437.88MHz_Ant1_NTNV



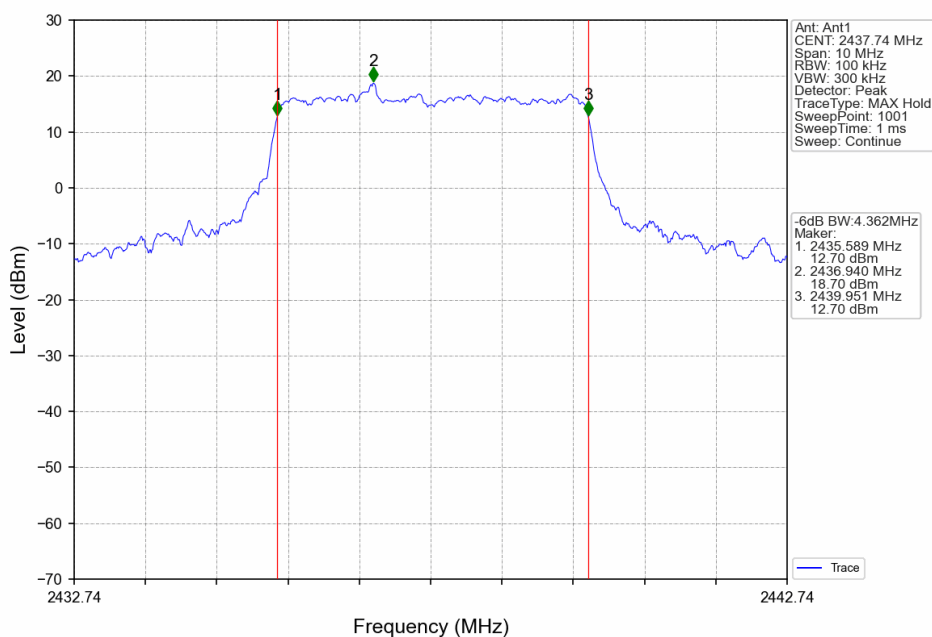
3M_HCH_2468.2MHz_Ant1_NTNV



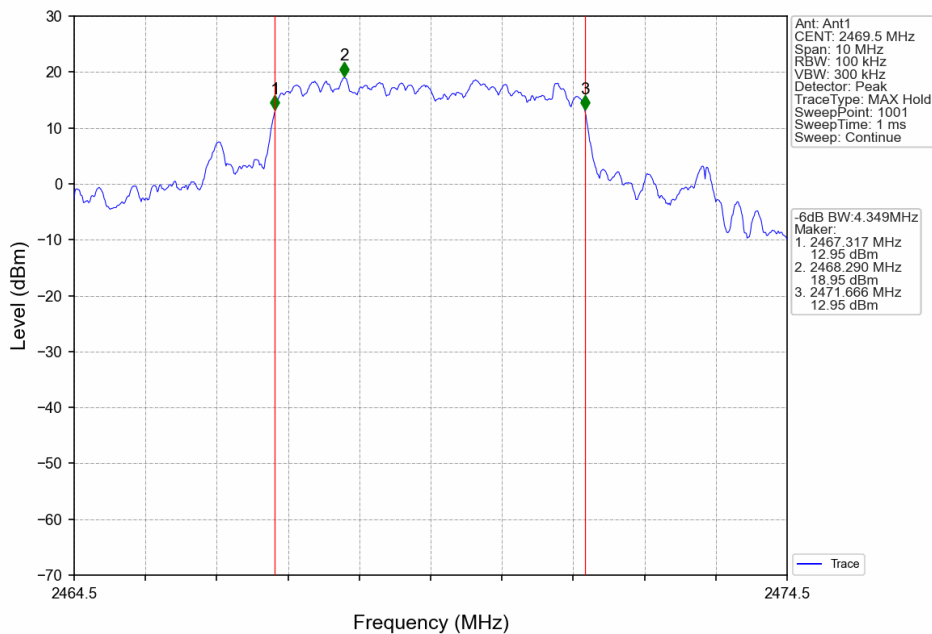
5M_LCH_2404.5MHz_Ant1_NTNV



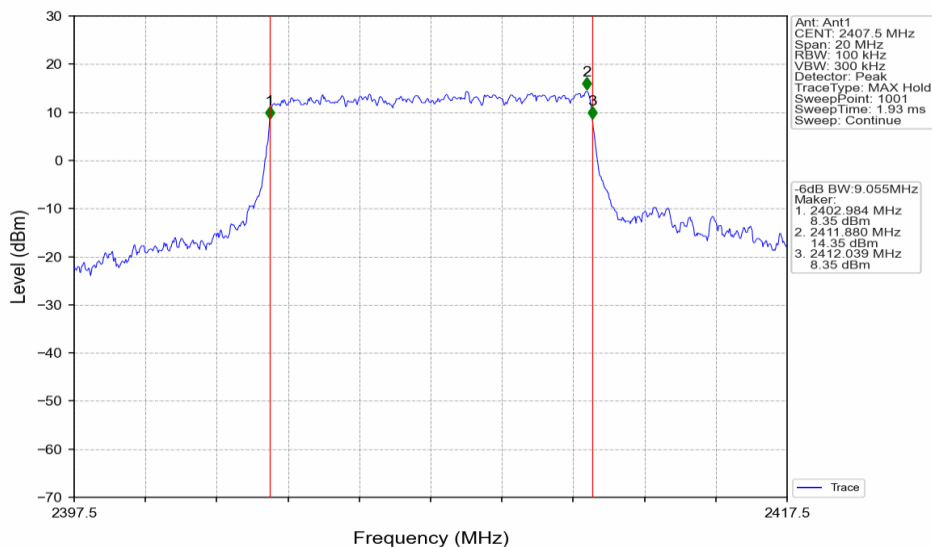
5M_MCH_2437.74MHz_Ant1_NTNV



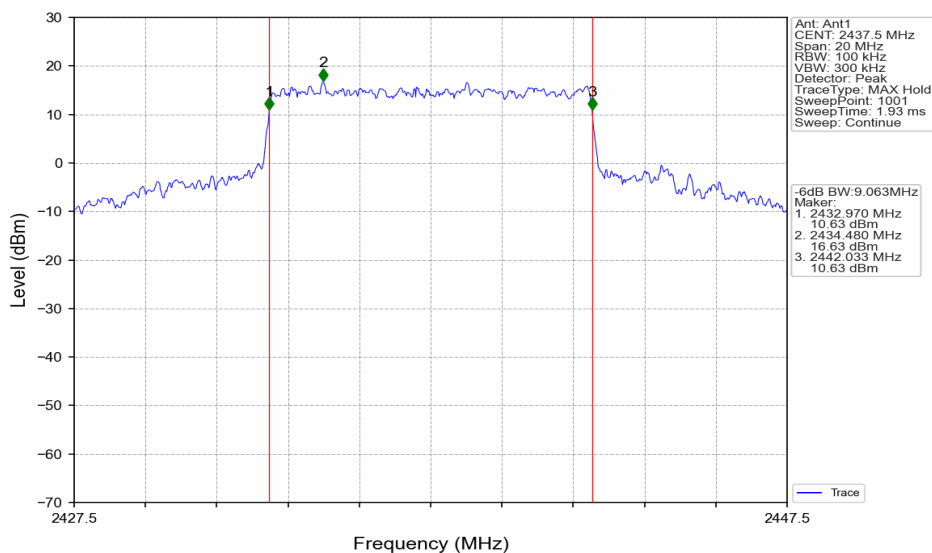
5M_HCH_2469.5MHz_Ant1_NTNV



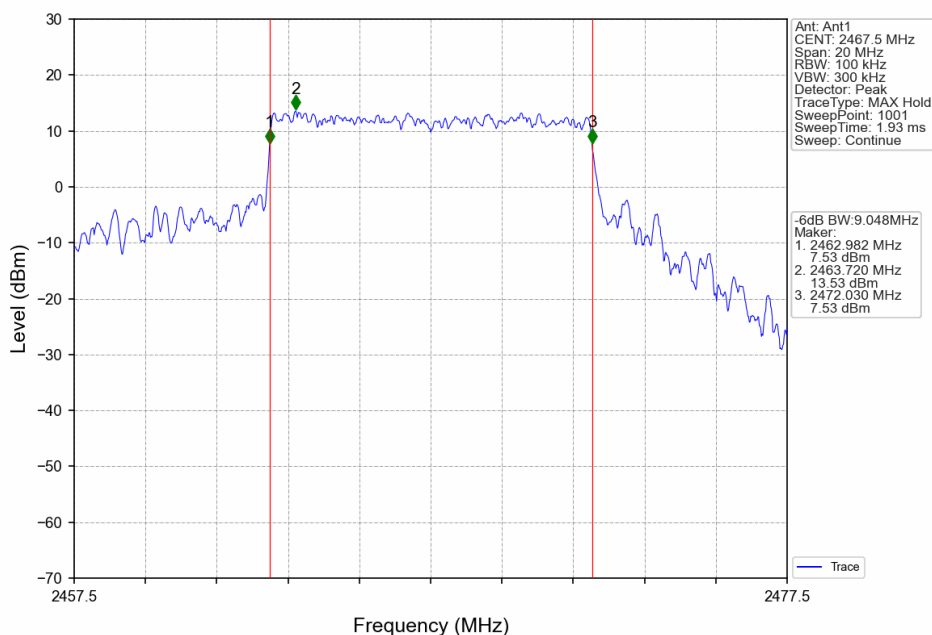
10M_LCH_2407.5MHz_Ant1_NTNV



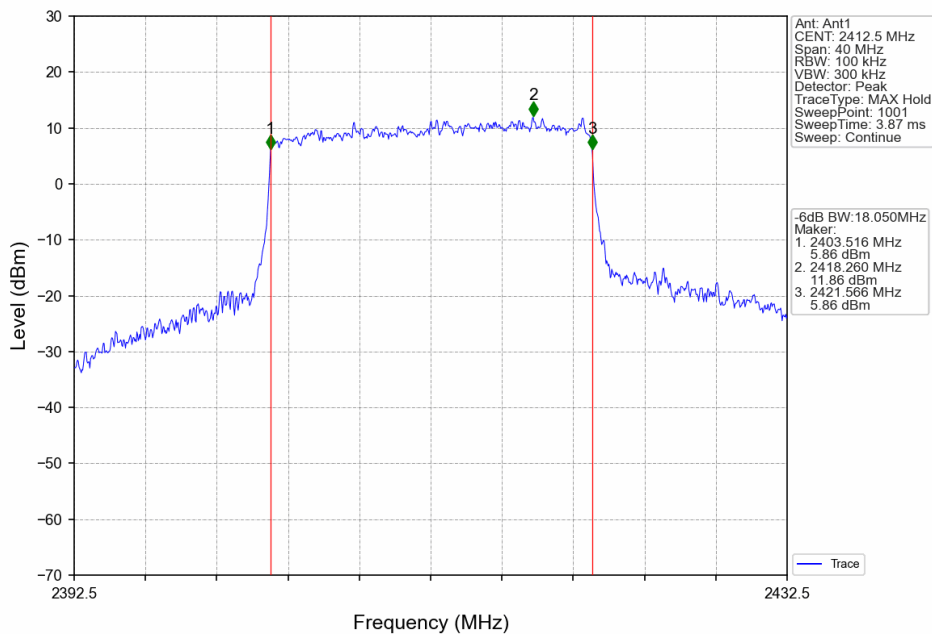
10M_MCH_2437.5MHz_Ant1_NTNV



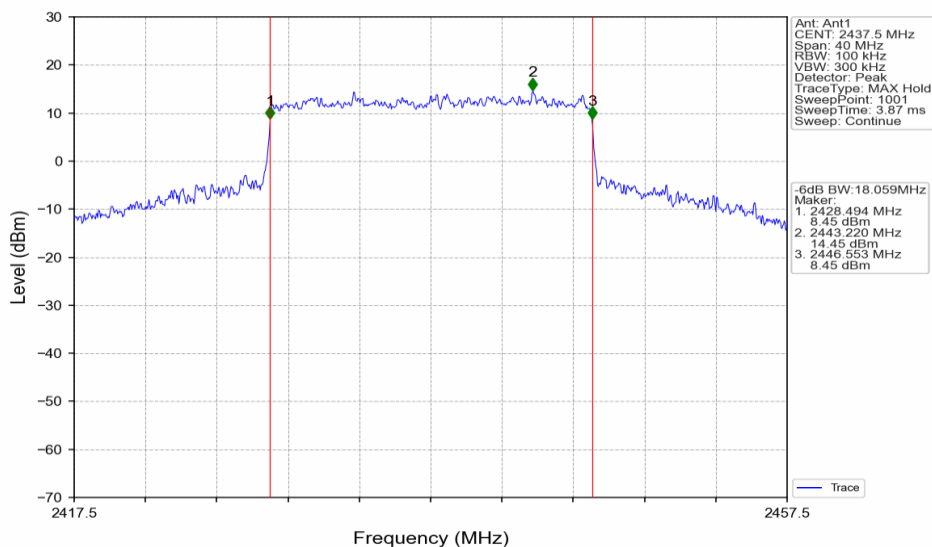
10M_HCH_2467.5MHz_Ant1_NTNV



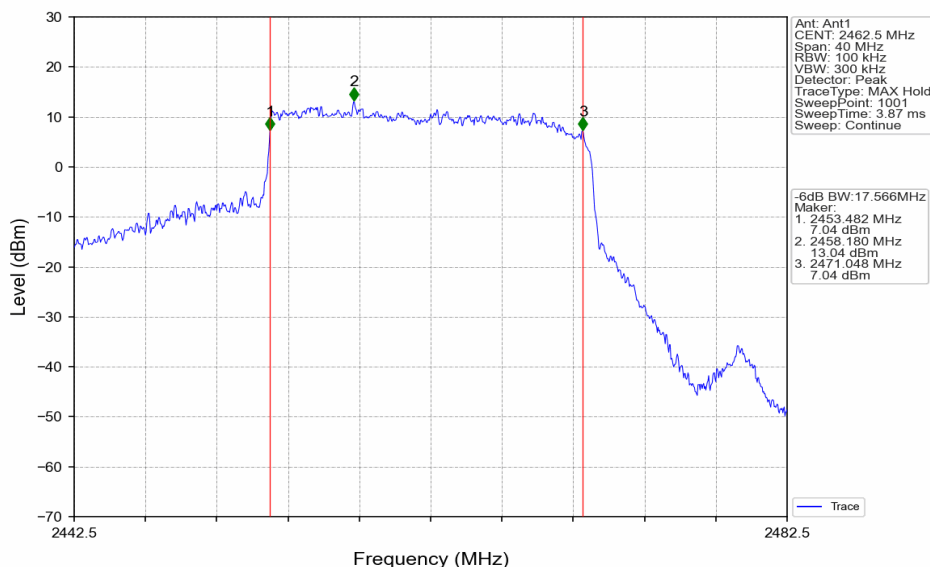
20M_LCH_2412.5MHz_Ant1_NTNV



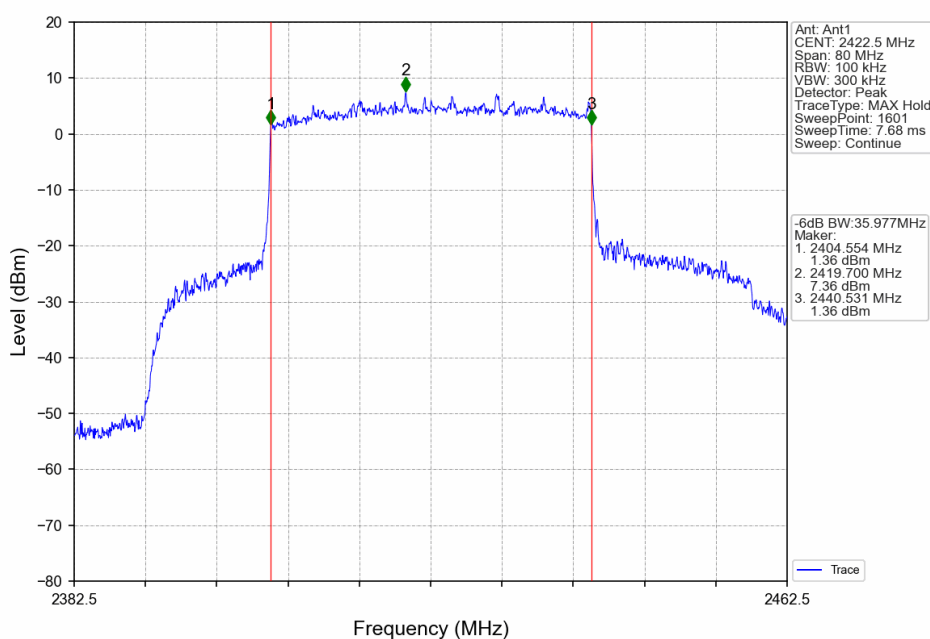
20M_MCH_2437.5MHz_Ant1_NTNV



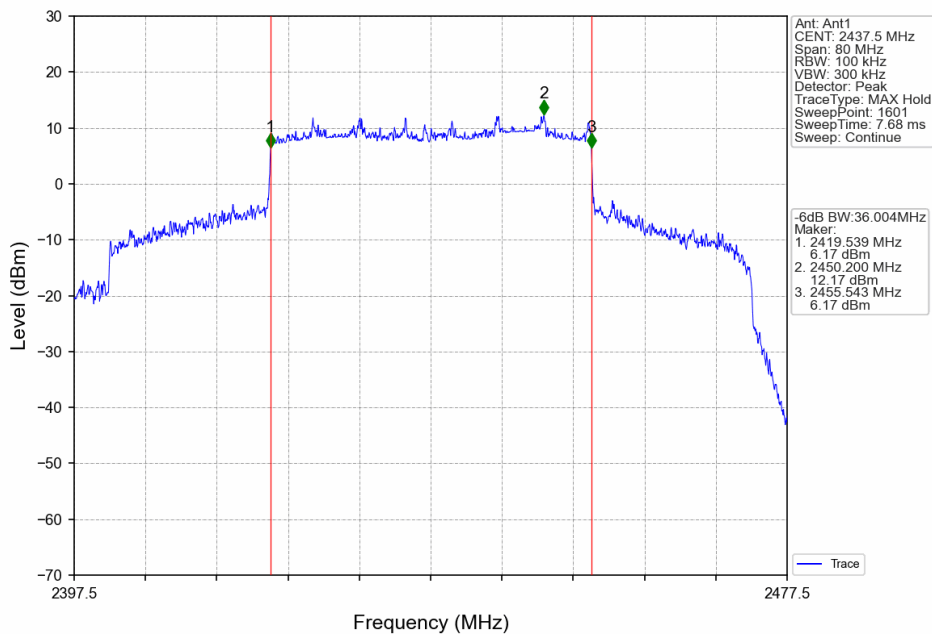
20M_HCH_2462.5MHz_Ant1_NTNV



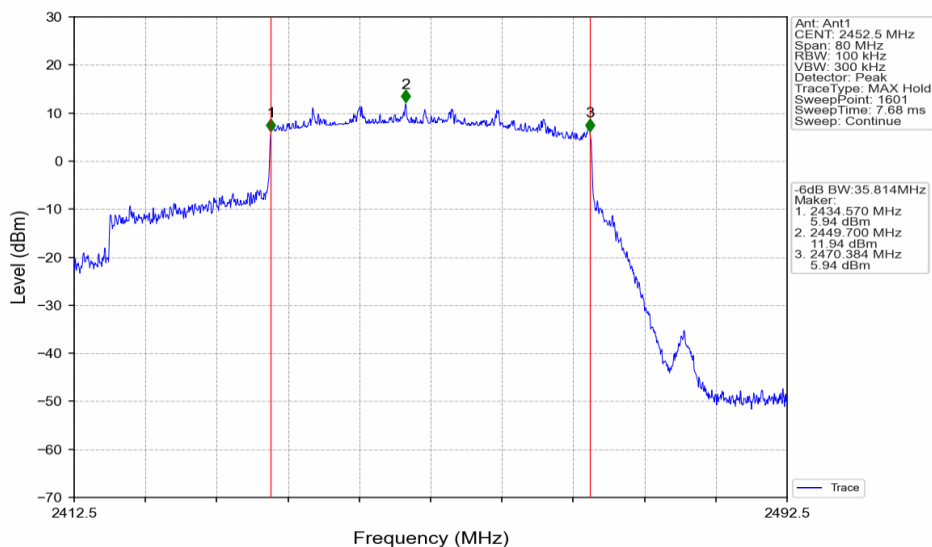
40M_LCH_2422.5MHz_Ant1_NTNV



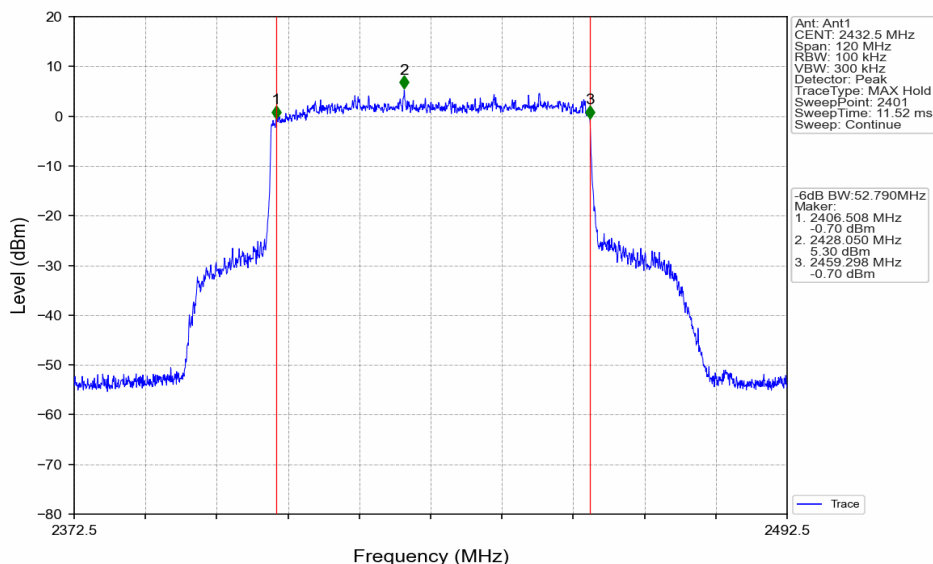
40M_MCH_2437.5MHz_Ant1_NTNV



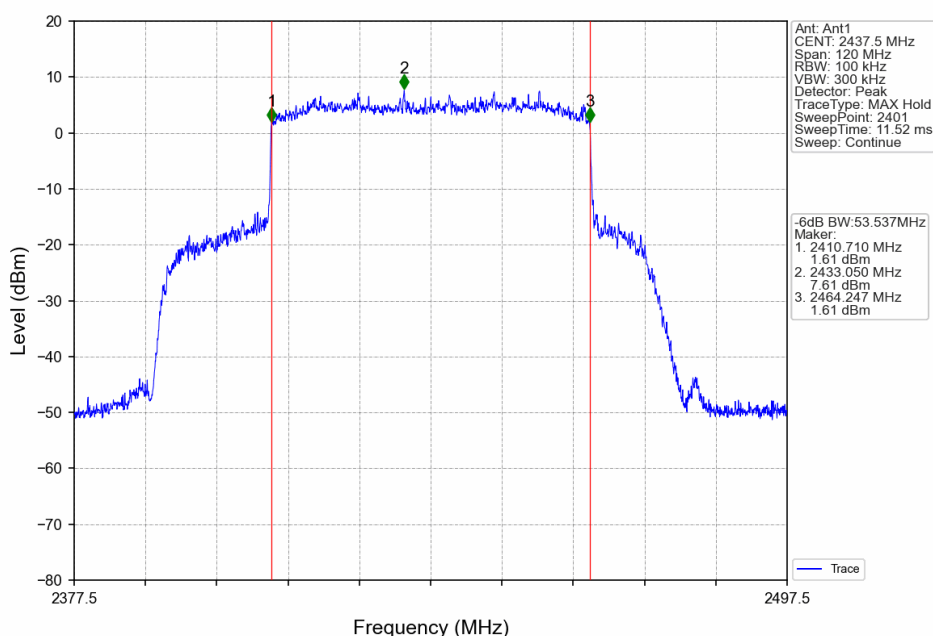
40M_HCH_2452.5MHz_Ant1_NTNV



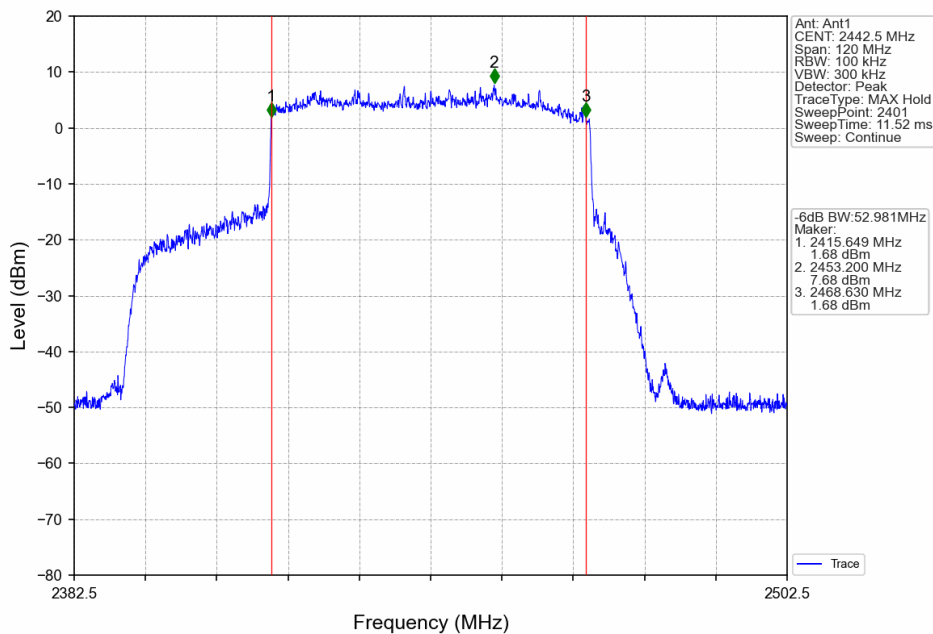
60M_LCH_2432.5MHz_Ant1_NTNV



60M_MCH_2437.5MHz_Ant1_NTNV



60M_HCH_2442.5MHz_Ant1_NTNV



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

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

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

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

3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			ANT1	ANT2	MIMO	Limit	
1.4M	MIMO	2403.5	24.69	24.56	27.64	<=30	Pass
		2437.5	24.42	24.49	27.47	<=30	Pass
		2469.12	21.23	21.45	24.35	<=30	Pass
3M	MIMO	2405.5	24.85	24.66	27.77	<=30	Pass
		2437.88	24.69	24.69	27.70	<=30	Pass
		2468.2	21.11	20.93	24.03	<=30	Pass
5M	MIMO	2404.5	24.00	24.14	27.08	<=30	Pass
		2437.74	24.37	24.67	27.53	<=30	Pass
		2469.5	21.18	21.15	24.18	<=30	Pass
10M	MIMO	2407.5	24.46	24.68	27.58	<=30	Pass
		2437.5	26.48	26.56	29.53	<=30	Pass
		2467.5	22.81	23.69	26.28	<=30	Pass
20M	MIMO	2412.5	23.99	24.24	27.13	<=30	Pass
		2437.5	26.60	26.63	29.63	<=30	Pass
		2462.5	25.00	25.55	28.29	<=30	Pass
40M	MIMO	2422.5	21.59	21.81	24.71	<=30	Pass
		2437.5	26.28	26.28	29.29	<=30	Pass
		2452.5	25.25	25.34	28.31	<=30	Pass
60M	MIMO	2432.5	20.93	21.07	24.01	<=30	Pass
		2437.5	23.68	23.66	26.68	<=30	Pass
		2442.5	23.54	23.58	26.57	<=30	Pass

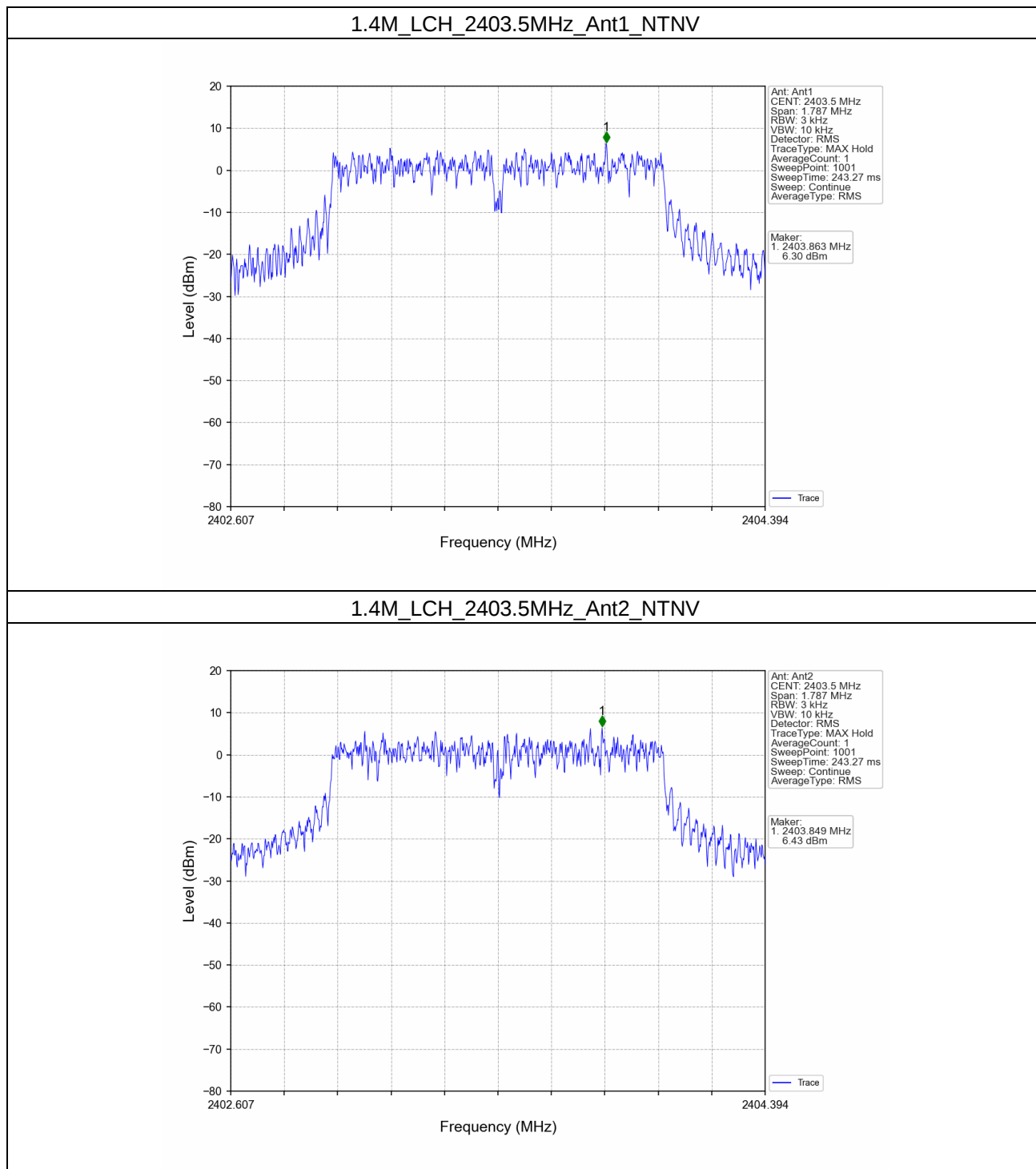
4. Maximum Power Spectral Density

4.1 PSD

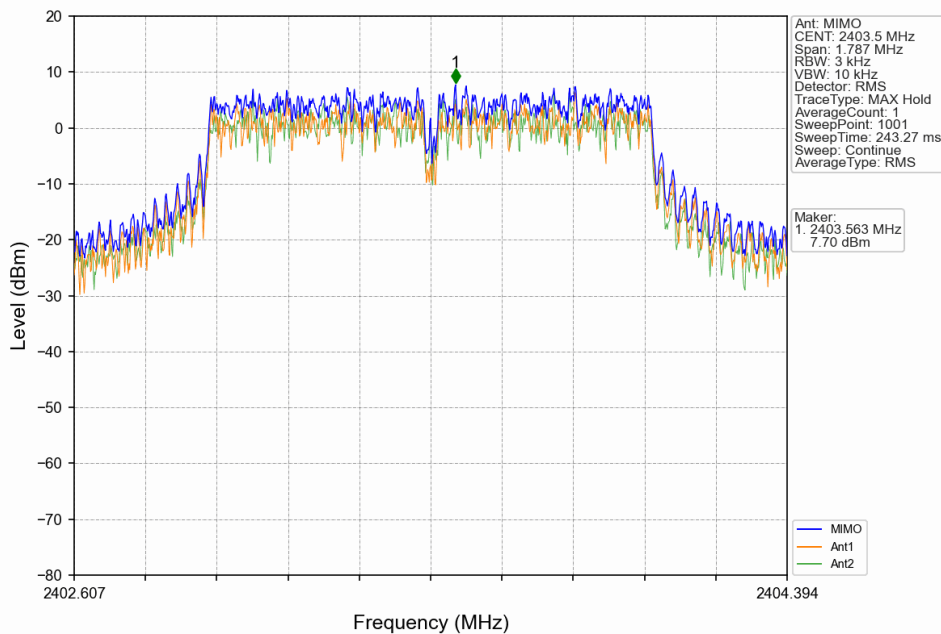
4.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/3kHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
1.4M	MIMO	2403.5	6.30	6.43	7.70	<=8	Pass
		2437.5	5.09	5.94	7.50	<=8	Pass
		2469.12	1.48	4.22	4.87	<=8	Pass
3M	MIMO	2405.5	5.57	5.35	6.73	<=8	Pass
		2437.88	5.23	5.68	7.09	<=8	Pass
		2468.2	-0.77	2.24	2.47	<=8	Pass
5M	MIMO	2404.5	2.79	3.85	5.28	<=8	Pass
		2437.74	3.21	4.05	5.40	<=8	Pass
		2469.5	1.90	1.28	4.07	<=8	Pass
10M	MIMO	2407.5	-0.60	-0.25	2.30	<=8	Pass
		2437.5	2.47	2.38	5.44	<=8	Pass
		2467.5	-0.50	0.41	2.81	<=8	Pass
20M	MIMO	2412.5	-0.66	-2.85	1.10	<=8	Pass
		2437.5	2.76	-0.62	4.40	<=8	Pass
		2462.5	-1.82	-1.12	0.71	<=8	Pass
40M	MIMO	2422.5	-8.47	-6.10	-5.41	<=8	Pass
		2437.5	-4.04	-2.27	-0.70	<=8	Pass
		2452.5	-4.45	-4.78	-2.44	<=8	Pass
60M	MIMO	2432.5	-10.47	-4.97	-3.95	<=8	Pass
		2437.5	-3.30	-3.77	-0.52	<=8	Pass
		2442.5	-4.25	-1.84	0.13	<=8	Pass

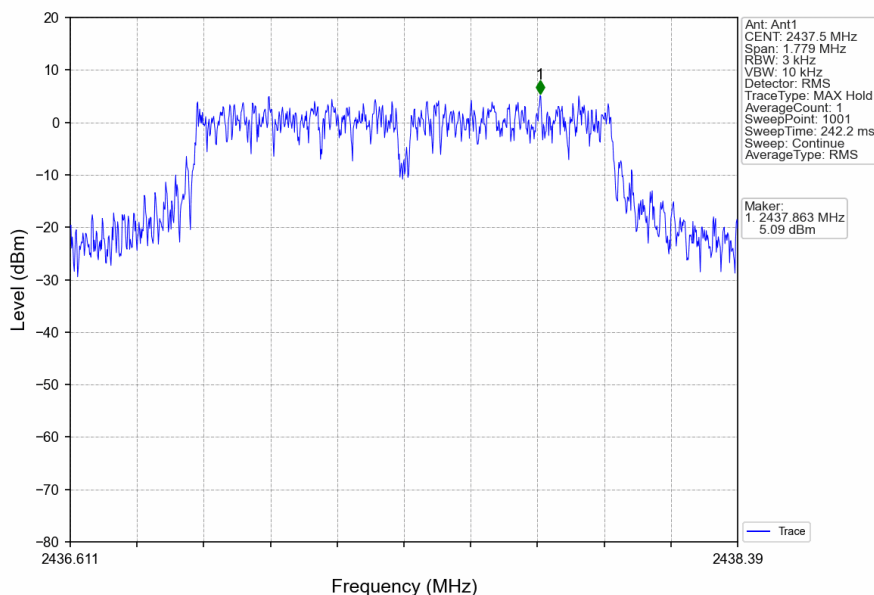
4.1.2 Test Graph



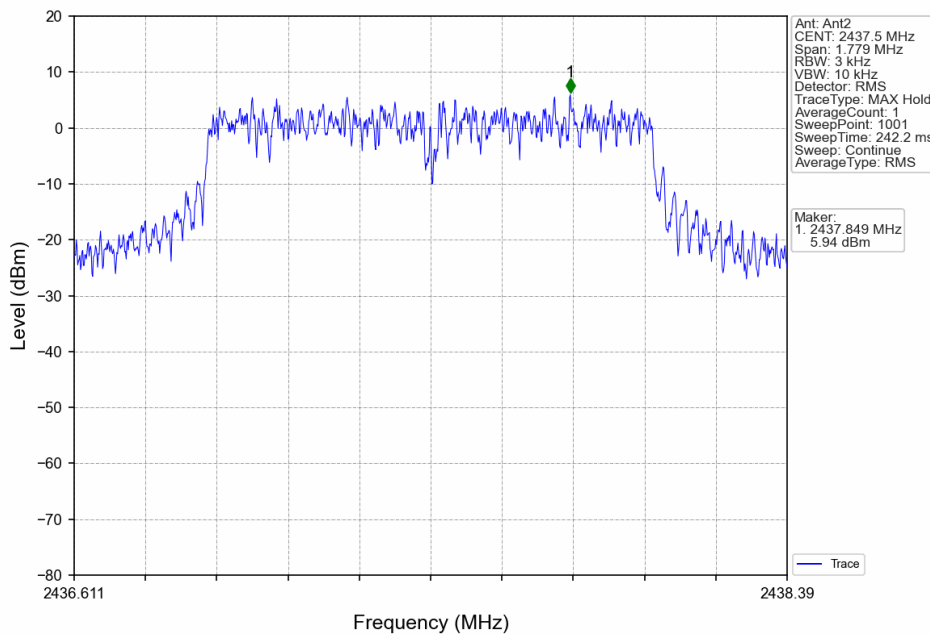
1.4M_LCH_2403.5MHz_MIMO_NTNV



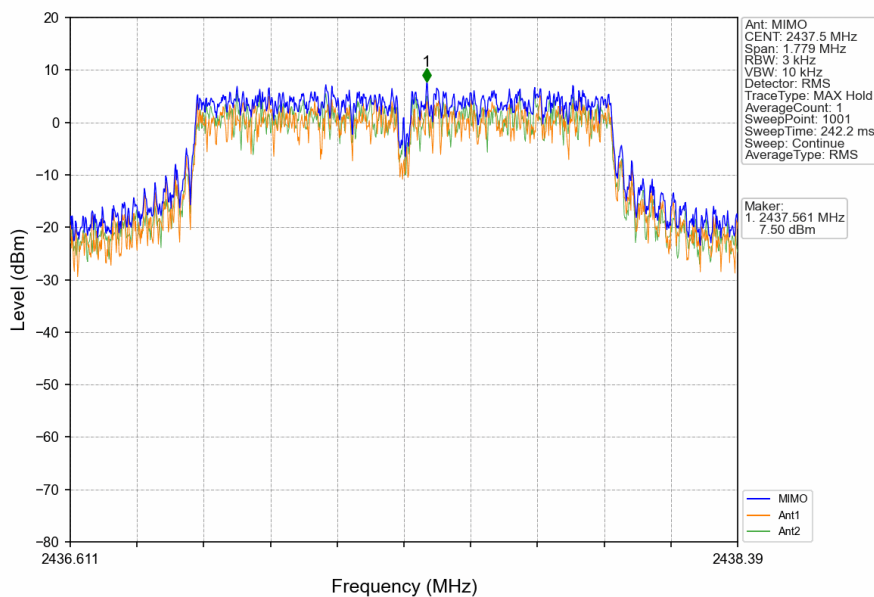
1.4M_MCH_2437.5MHz_Ant1_NTNV



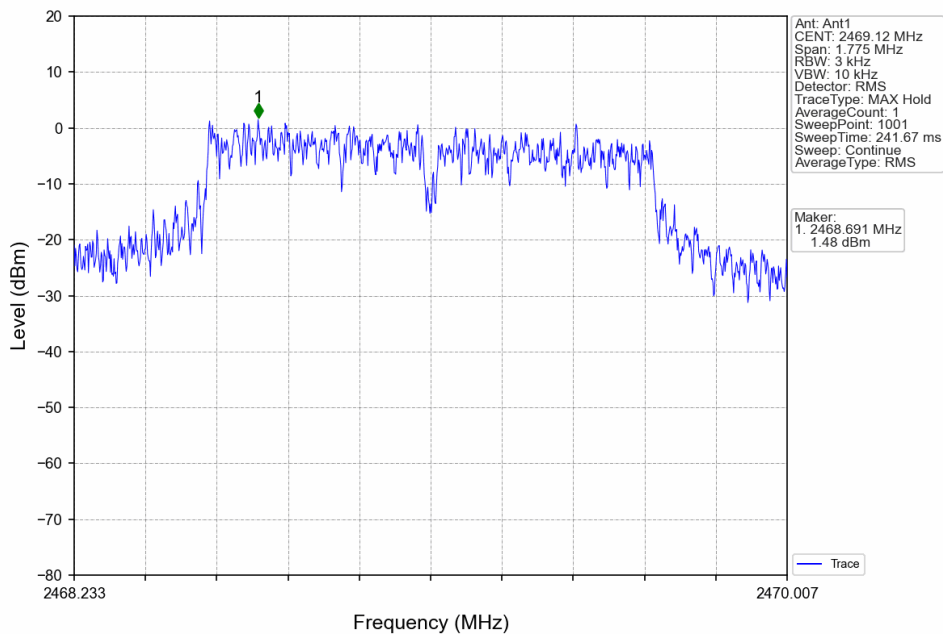
1.4M_MCH_2437.5MHz_Ant2_NTNV



1.4M_MCH_2437.5MHz_MIMO_NTNV



1.4M_HCH_2469.12MHz_Ant1_NTNV



1.4M_HCH_2469.12MHz_Ant2_NTNV

