

Appendix Test Data

Report No.:	1814C40047812502	Test Sample No.:	1-2-2
Start Test Date:	2024.9.7	Finish Test Date:	2024.10.14
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	24.3℃	Relative Humidity:	49%
Pressure:	101kPa		

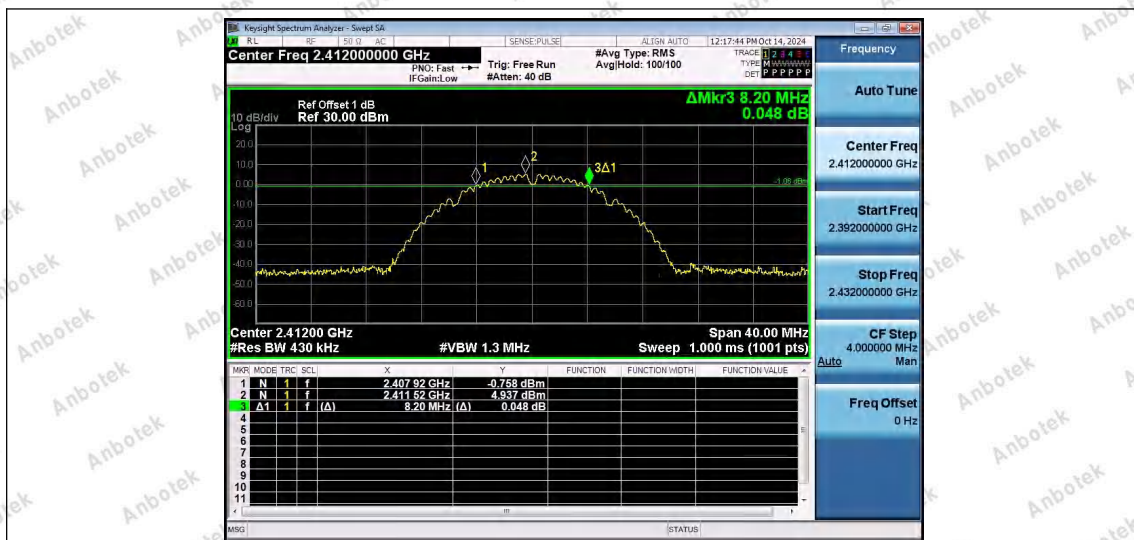
Appendix A: 6dB Bandwidth

Test Result

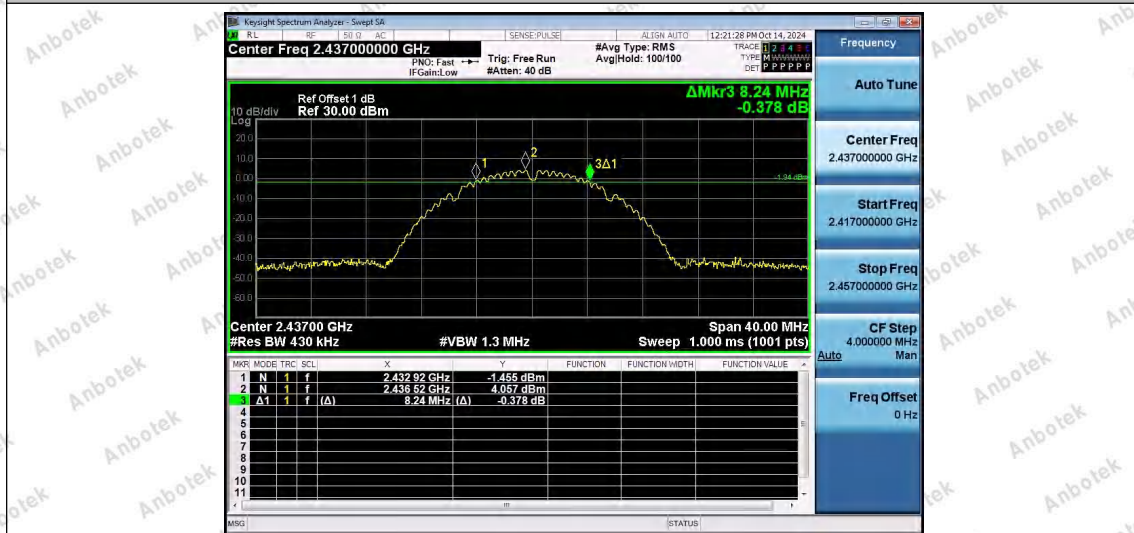
TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.200	2407.920	2416.120	0.5	PASS
11B	Ant1	2437	8.240	2432.920	2441.160	0.5	PASS
11B	Ant1	2462	8.240	2457.920	2466.160	0.5	PASS
11G	Ant1	2412	16.120	2404.040	2420.160	0.5	PASS
11G	Ant1	2437	16.160	2428.920	2445.080	0.5	PASS
11G	Ant1	2462	16.200	2453.960	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.120	2403.360	2420.480	0.5	PASS
11N20SISO	Ant1	2437	17.440	2428.280	2445.720	0.5	PASS
11N20SISO	Ant1	2462	17.080	2453.440	2470.520	0.5	PASS



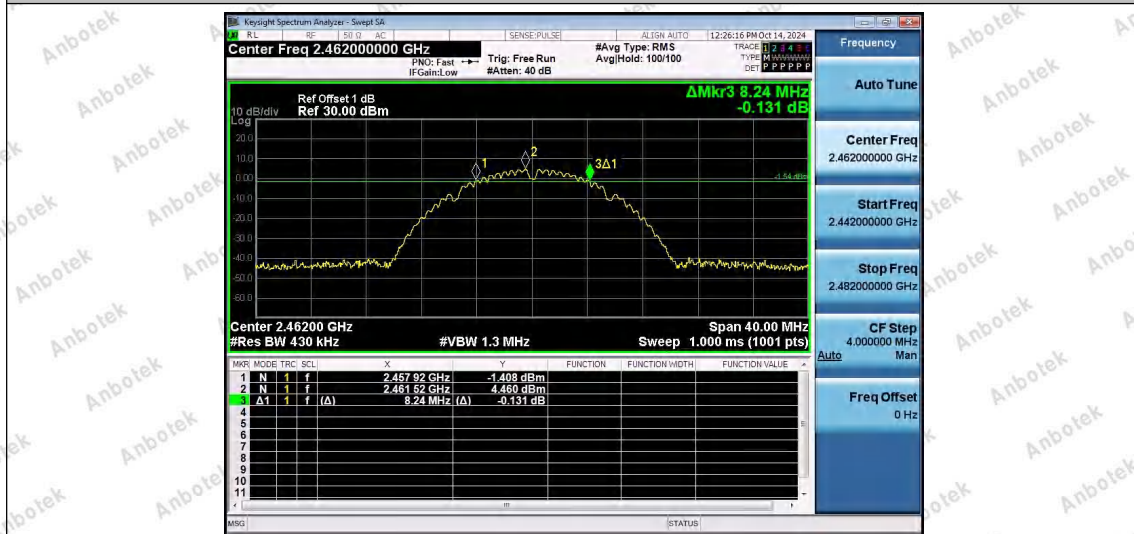
Test Graphs



11B-Ant1-2412-PASS



11B-Ant1-2437-PASS



11B-Ant1-2462-PASS

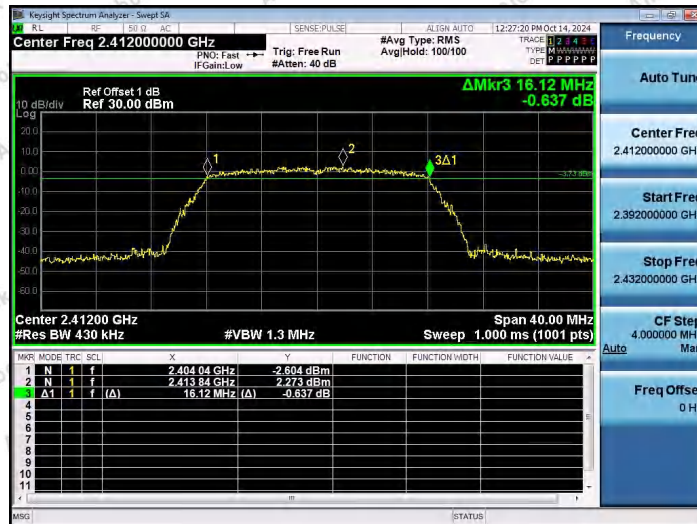
Shenzhen Anbotech Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hahgcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
Tel: (86) 0755-26066440 Email: service@anbotech.com



Hotline
400-003-0500
www.anbotech.com

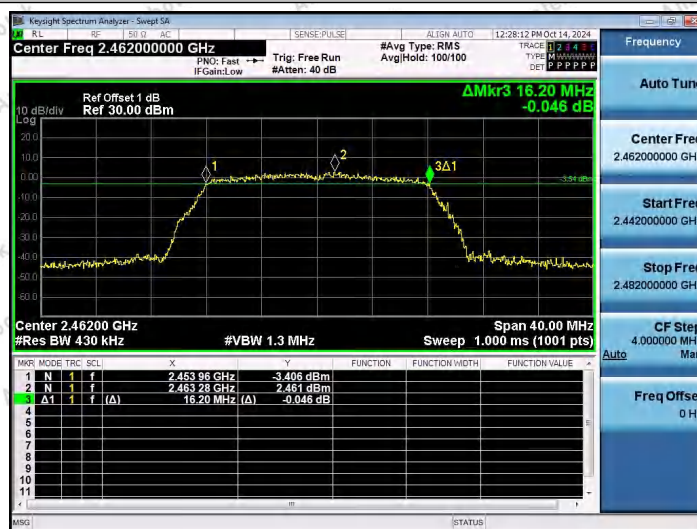




11G-Ant1-2412-PASS

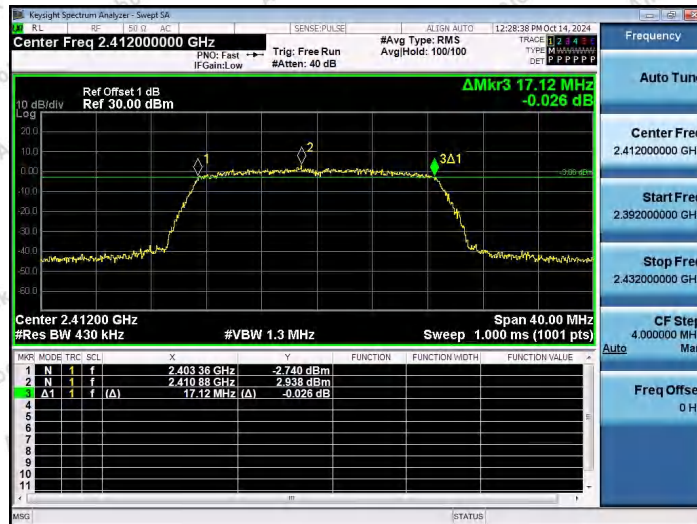


11G-Ant1-2437-PASS



11G-Ant1-2462-PASS

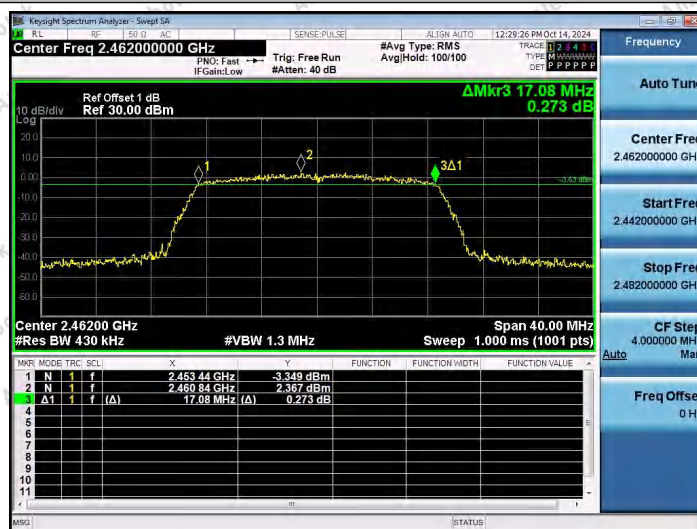




11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS

Shenzhen Anbotech Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hahqcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
Tel: (86)0755-26066440 Email: service@anbotech.com



Hotline
400-003-0500
www.anbotech.com



Appendix B: 99% Occupied Bandwidth

Test Result

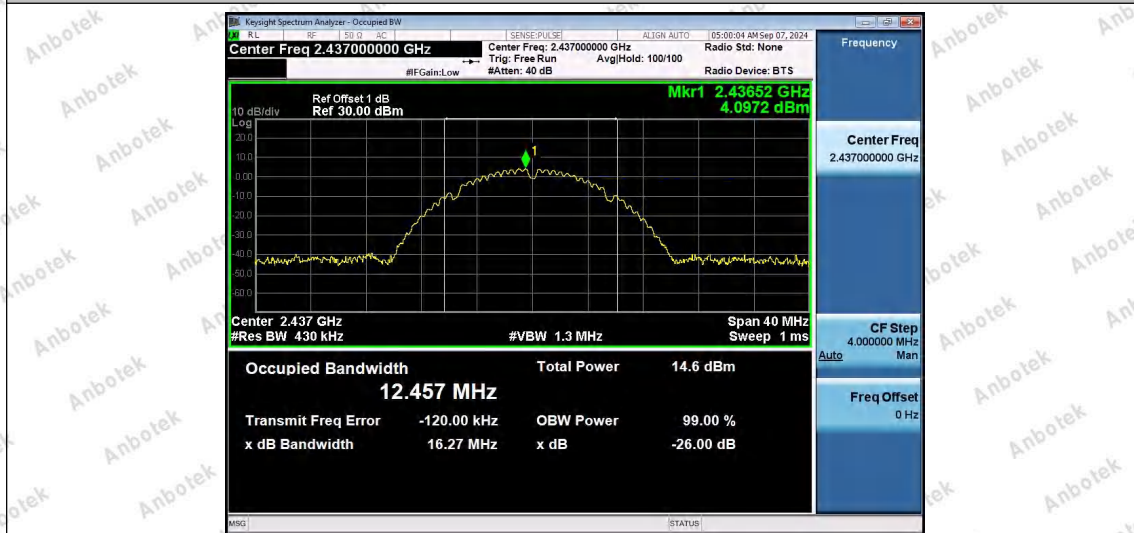
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.654	2405.6877	2418.3417	---	---
11B	Ant1	2437	12.457	2430.6515	2443.1085	---	---
11B	Ant1	2462	12.859	2455.5783	2468.4373	---	---
11G	Ant1	2412	16.706	2403.6870	2420.3930	---	---
11G	Ant1	2437	16.735	2428.5751	2445.3101	---	---
11G	Ant1	2462	16.875	2453.5400	2470.4150	---	---
11N20SISO	Ant1	2412	17.790	2403.1695	2420.9595	---	---
11N20SISO	Ant1	2437	17.706	2428.0823	2445.7883	---	---
11N20SISO	Ant1	2462	17.833	2453.1006	2470.9336	---	---



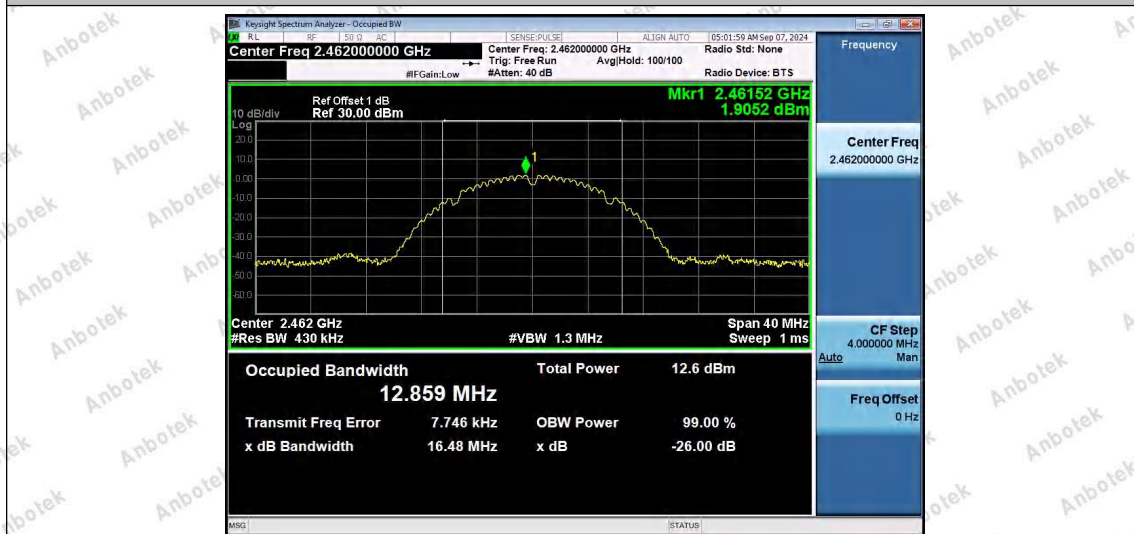
Test Graphs



11B-Ant1-2412



11B-Ant1-2437



11B-Ant1-2462

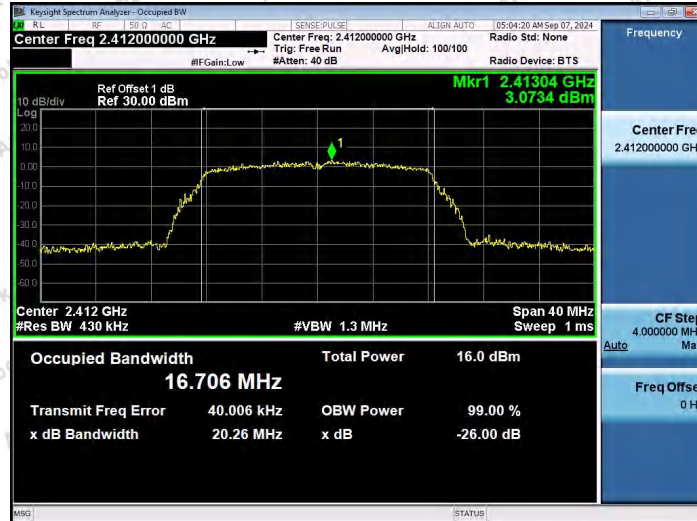
Shenzhen Anbotech Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hahqcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
Tel: (86) 0755-26066440 Email: service@anbotech.com

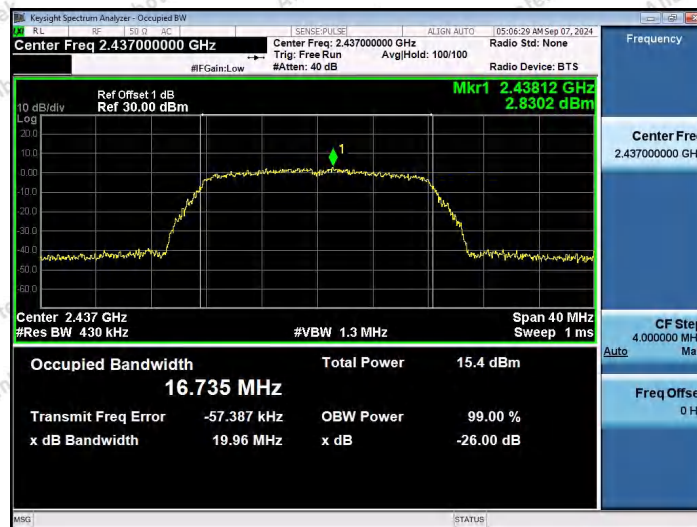


Hotline
400-003-0500
www.anbotech.com





11G-Ant1-2412



11G-Ant1-2437



11G-Ant1-2462

Shenzhen Anbotech Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hahqcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
Tel: (86) 0755-26066440 Email: service@anbotech.com

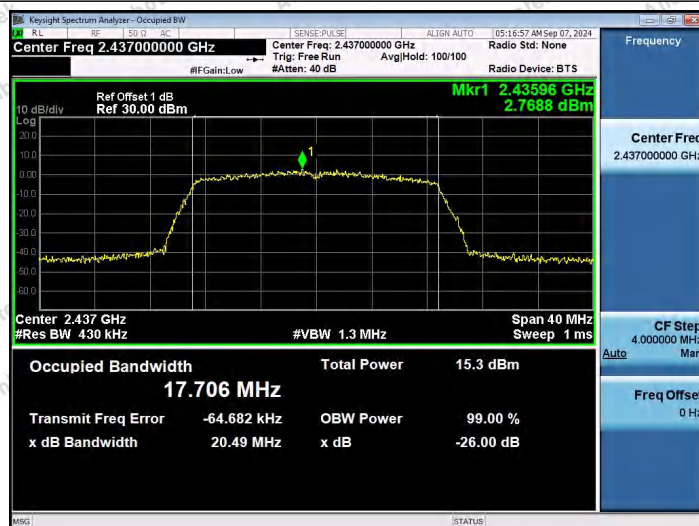


Hotline
400-003-0500
www.anbotech.com

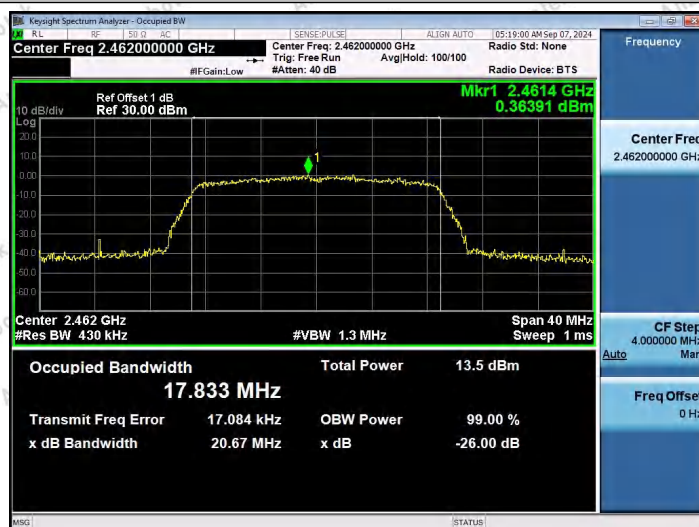




11N20SISO-Ant1-2412



11N20SISO-Ant1-2437



11N20SISO-Ant1-2462

Shenzhen Anbotech Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahqcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
Tel: (86) 0755-26066440 Email: service@anbotech.com



Hotline
400-003-0500
www.anbotech.com



Appendix C: Maximum conducted output power

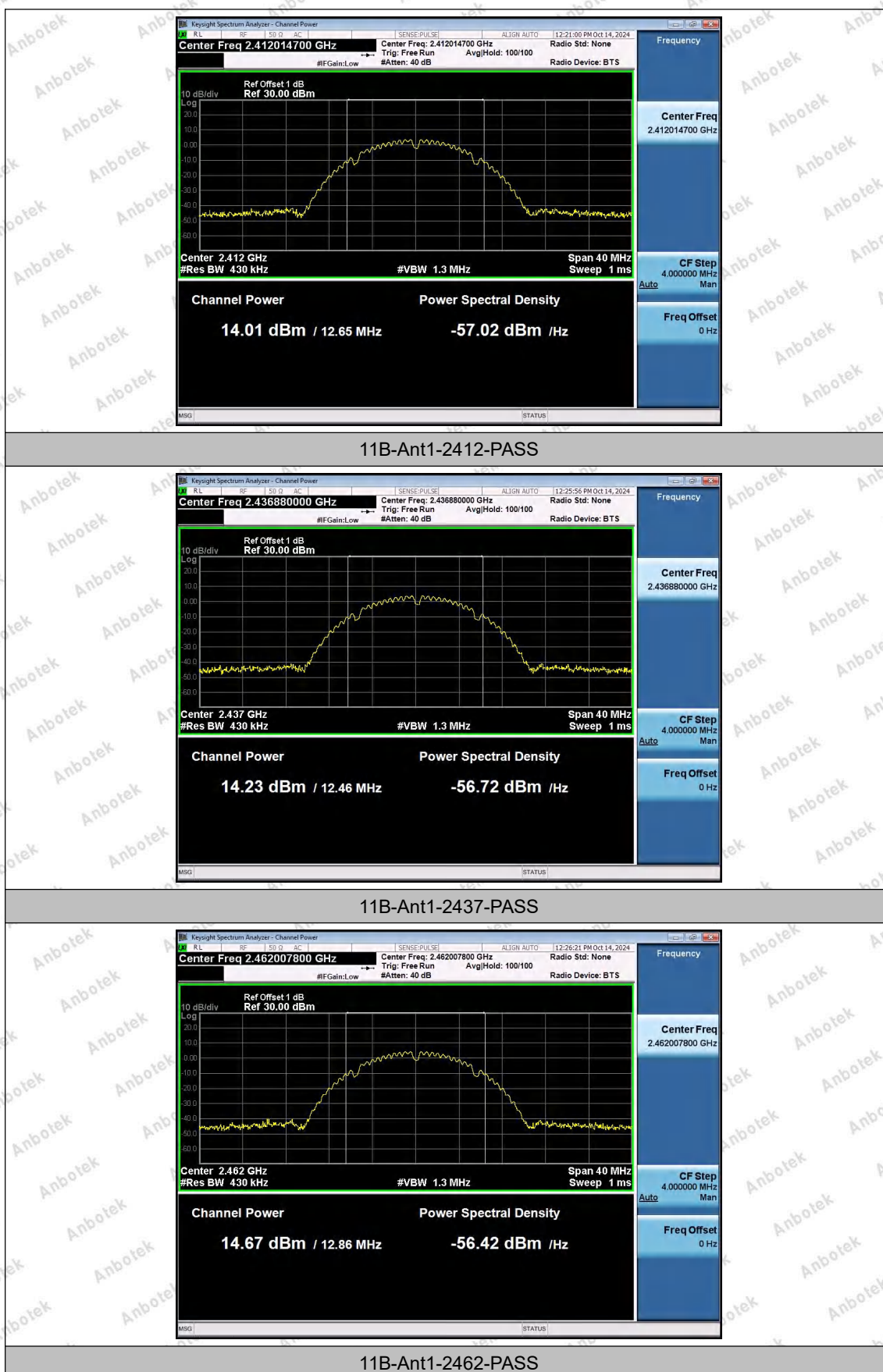
Test Result Average

Test Mode	Antenna	Frequency [MHz]	Set Power	Average power [dBm]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	---	14.01	100.00	0.00	14.01	≤30.00	PASS
11B	Ant1	2437	---	14.23	100.00	0.00	14.23	≤30.00	PASS
11B	Ant1	2462	---	14.67	100.00	0.00	14.67	≤30.00	PASS
11G	Ant1	2412	---	14.40	100.00	0.00	14.40	≤30.00	PASS
11G	Ant1	2437	---	14.58	100.00	0.00	14.58	≤30.00	PASS
11G	Ant1	2462	---	14.18	100.00	0.00	14.18	≤30.00	PASS
11N20SISO	Ant1	2412	---	14.23	100.00	0.00	14.23	≤30.00	PASS
11N20SISO	Ant1	2437	---	14.43	100.00	0.00	14.43	≤30.00	PASS
11N20SISO	Ant1	2462	---	14.19	100.00	0.00	14.19	≤30.00	PASS

Note: The Duty Cycle Factor($10 \cdot \log(1/D)$) and cable loss are compensated in the graph.



Test Graphs Average



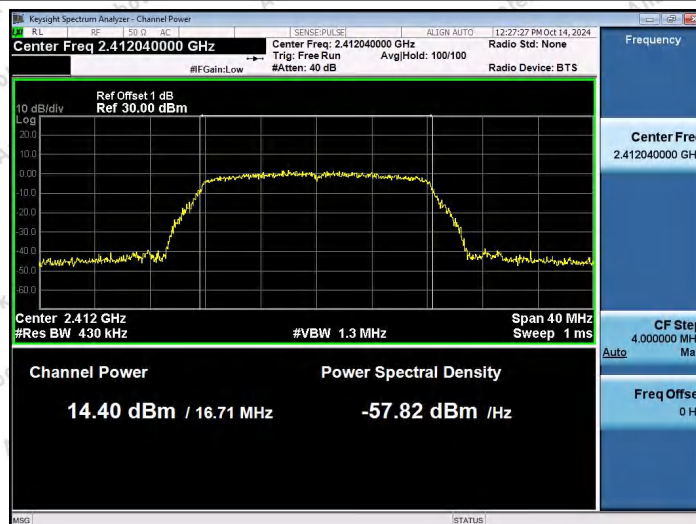
Shenzhen Anbotech Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hahqcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
Tel: (86) 0755-26066440 Email: service@anbotech.com

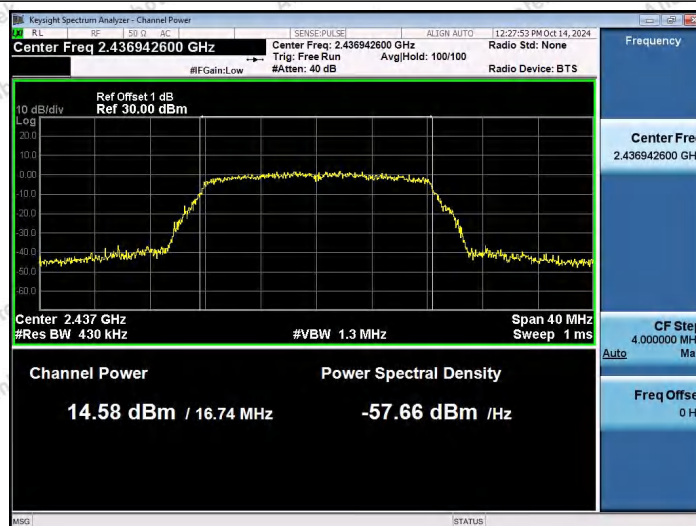


Hotline
400-003-0500
www.anbotech.com

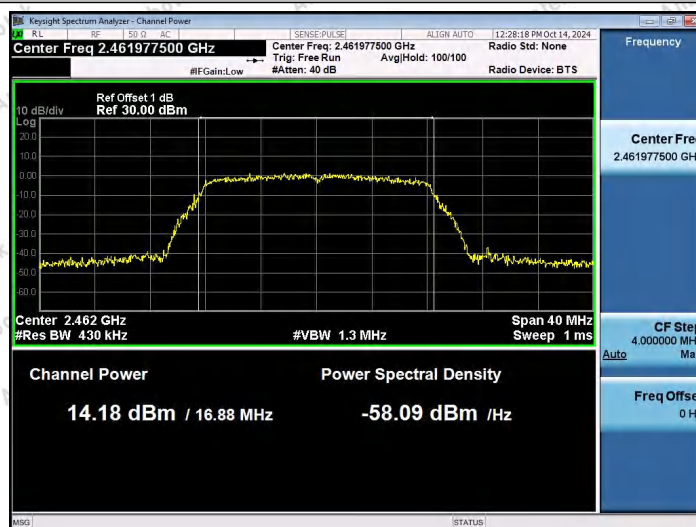




11G-Ant1-2412-PASS

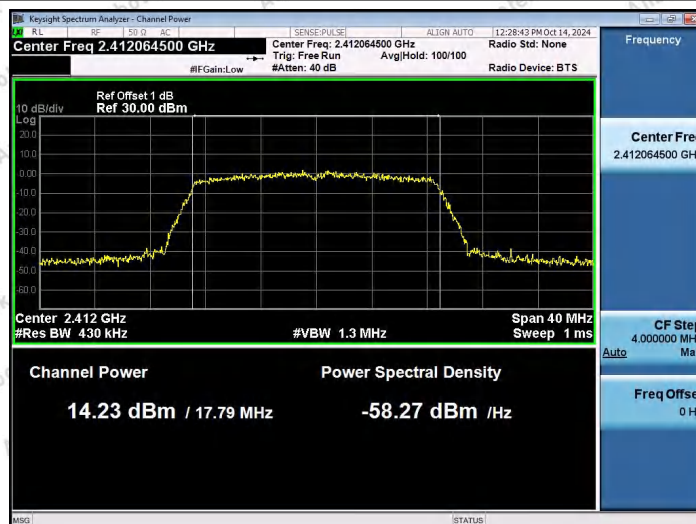


11G-Ant1-2437-PASS

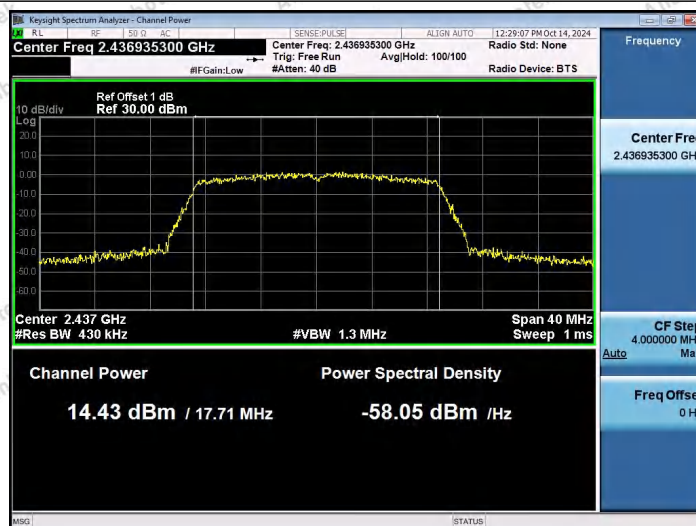


11G-Ant1-2462-PASS

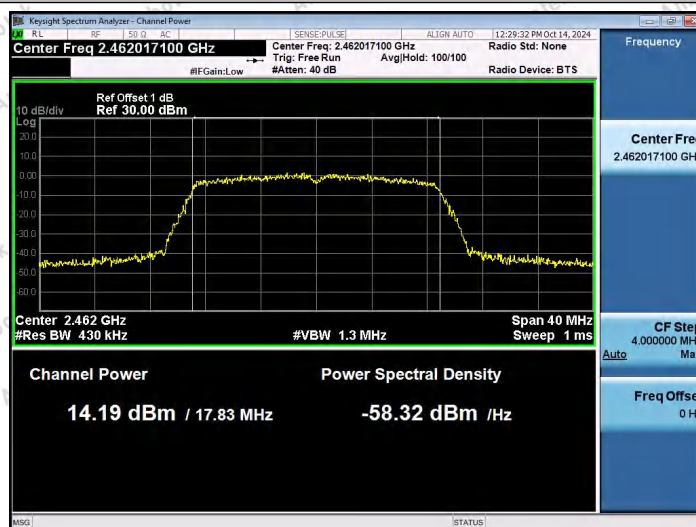




11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS



Appendix D: Maximum power spectral density

Test Result

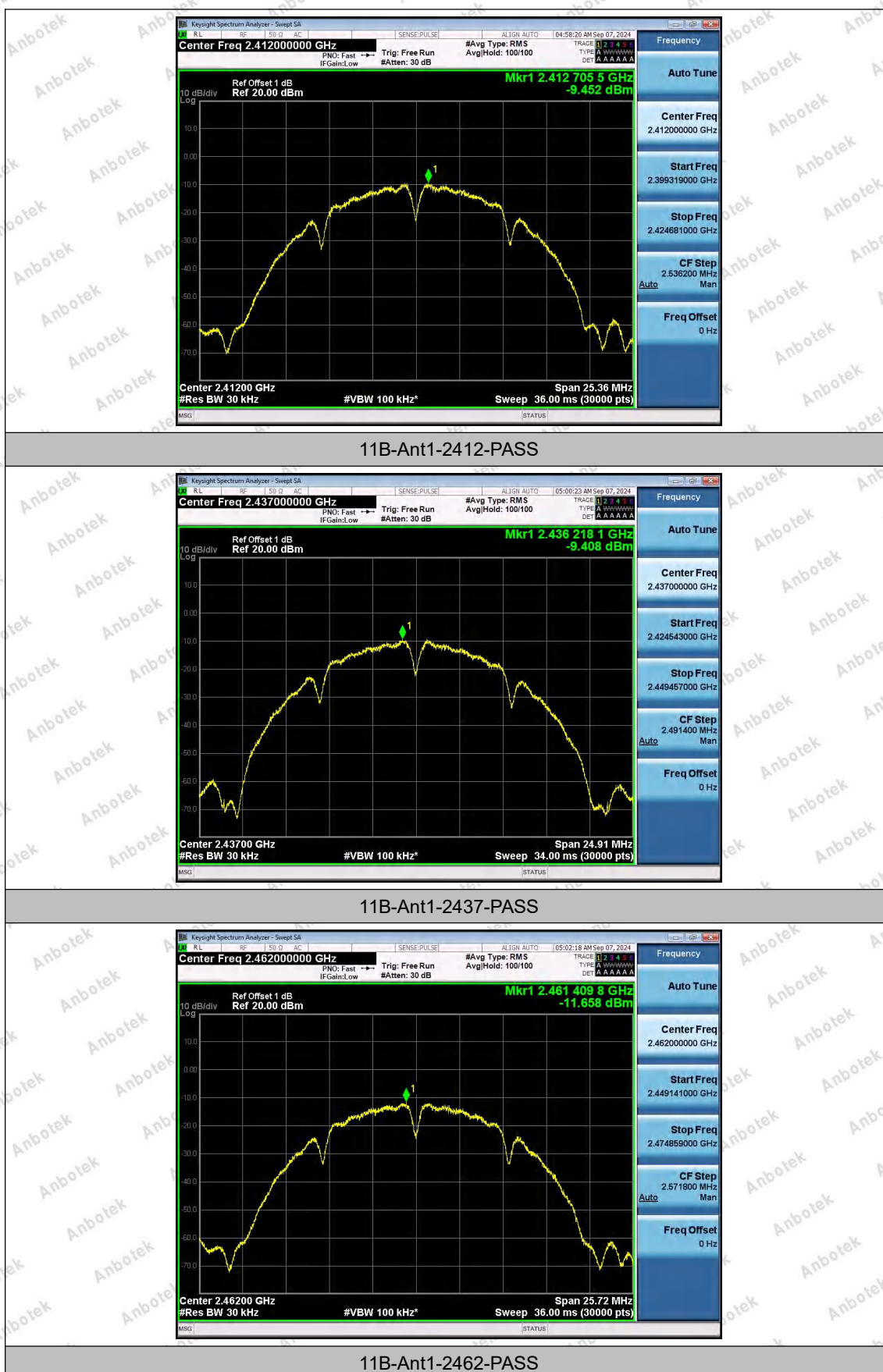
TestMode	Antenna	Frequency[MHz]	Result [dBm/30kHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-9.45	-19.45	≤8.00	PASS
11B	Ant1	2437	-9.41	-19.41	≤8.00	PASS
11B	Ant1	2462	-11.66	-21.66	≤8.00	PASS
11G	Ant1	2412	-13.71	-23.71	≤8.00	PASS
11G	Ant1	2437	-13.88	-23.88	≤8.00	PASS
11G	Ant1	2462	-14.00	-24.00	≤8.00	PASS
11N20SISO	Ant1	2412	-13.54	-23.54	≤8.00	PASS
11N20SISO	Ant1	2437	-14.35	-24.35	≤8.00	PASS
11N20SISO	Ant1	2462	-15.99	-25.99	≤8.00	PASS

Note:

1. The Duty Cycle Factor($10 \cdot \log(1/D)$) and cable loss are compensated in the graph.
2. $PSD(dBm/3kHz) = PSD(dBm/30kHz) - (10 \cdot \log(30/3))$



Test Graphs



Shenzhen Anbotech Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hahqcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
Tel: (86) 0755-26066440 Email: service@anbotech.com



Hotline
400-003-0500
www.anbotech.com

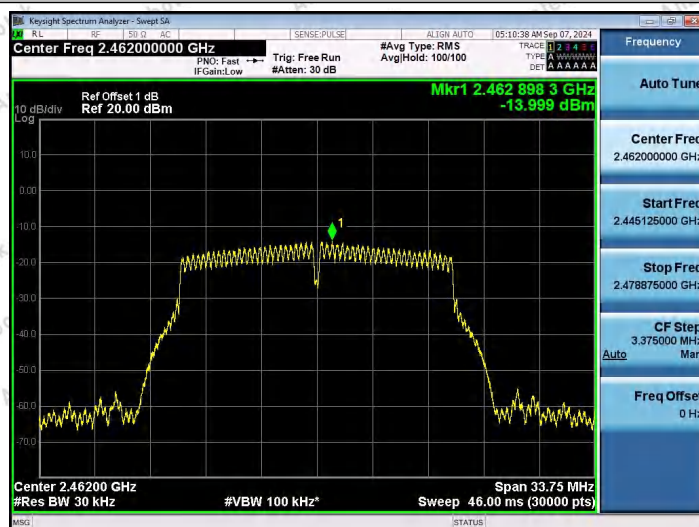




11G-Ant1-2412-PASS



11G-Ant1-2437-PASS

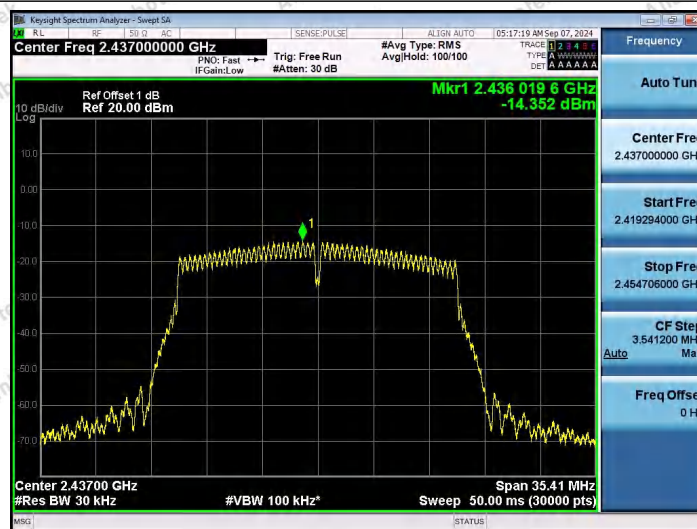


11G-Ant1-2462-PASS

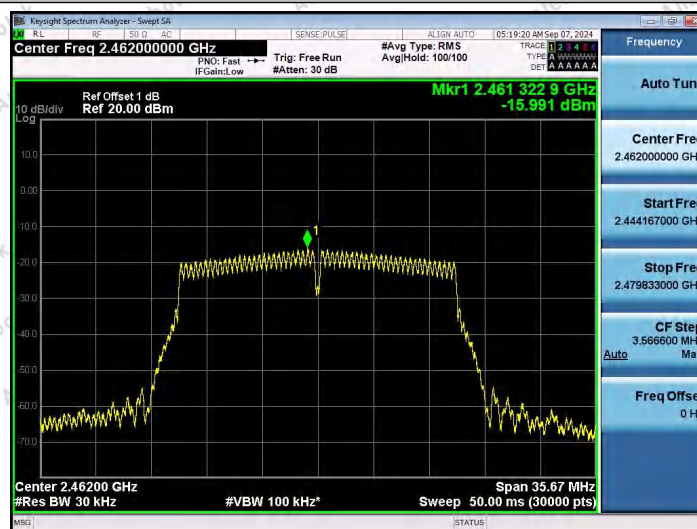




11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2437-PASS



11N20SISO-Ant1-2462-PASS

Shenzhen Anbotech Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hahgcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
Tel: (86)0755-26066440 Email: service@anbotech.com



Hotline
400-003-0500
www.anbotech.com



Appendix E: Conducted Band edge

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.14	-43.34	≤-26.86	PASS
11B	Ant1	High	2462	1.77	-56.61	≤-28.23	PASS
11G	Ant1	Low	2412	-3.37	-45.5	≤-33.37	PASS
11G	Ant1	High	2462	-4.20	-52.9	≤-34.2	PASS
11N20SISO	Ant1	Low	2412	-3.74	-44.37	≤-33.74	PASS
11N20SISO	Ant1	High	2462	-5.84	-55.31	≤-35.84	PASS



Test Graphs



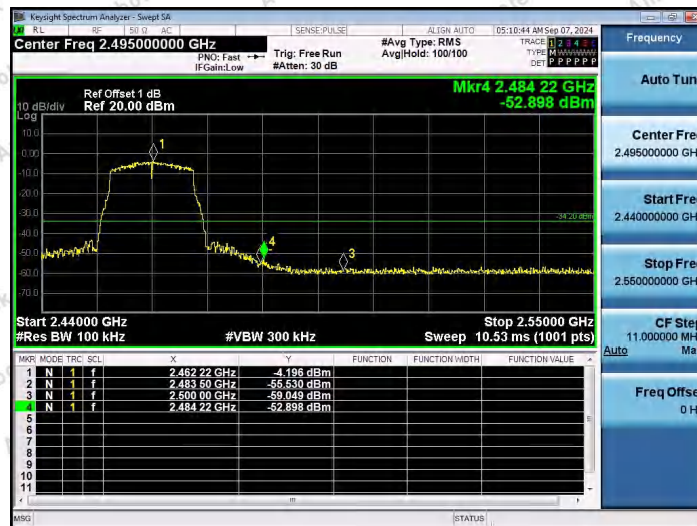
Shenzhen Anbotech Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hahgcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
Tel: (86) 0755-26066440 Email: service@anbotech.com

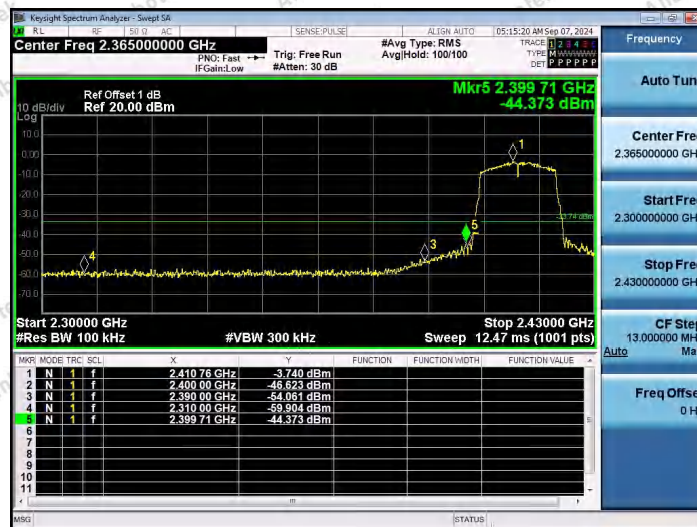


Hotline
400-003-0500
www.anbotech.com

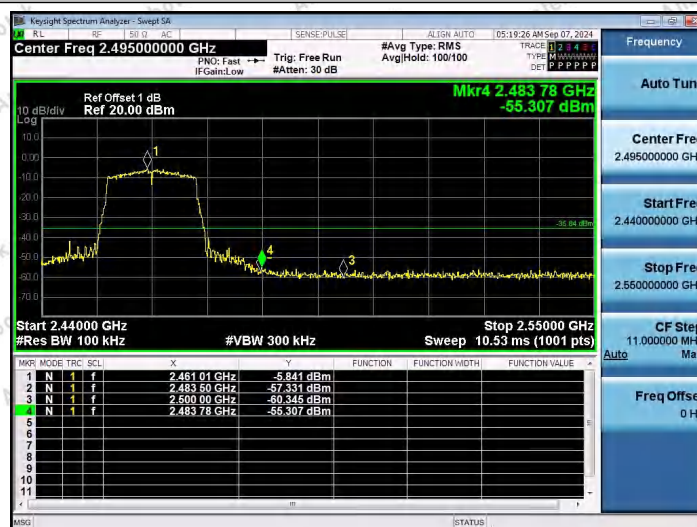




11G-Ant1-2462-PASS



11N20SISO-Ant1-2412-PASS



11N20SISO-Ant1-2462-PASS

Shenzhen Anbotech Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hahgcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
Tel: (86)0755-26066440 Email: service@anbotech.com



Hotline
400-003-0500
www.anbotech.com



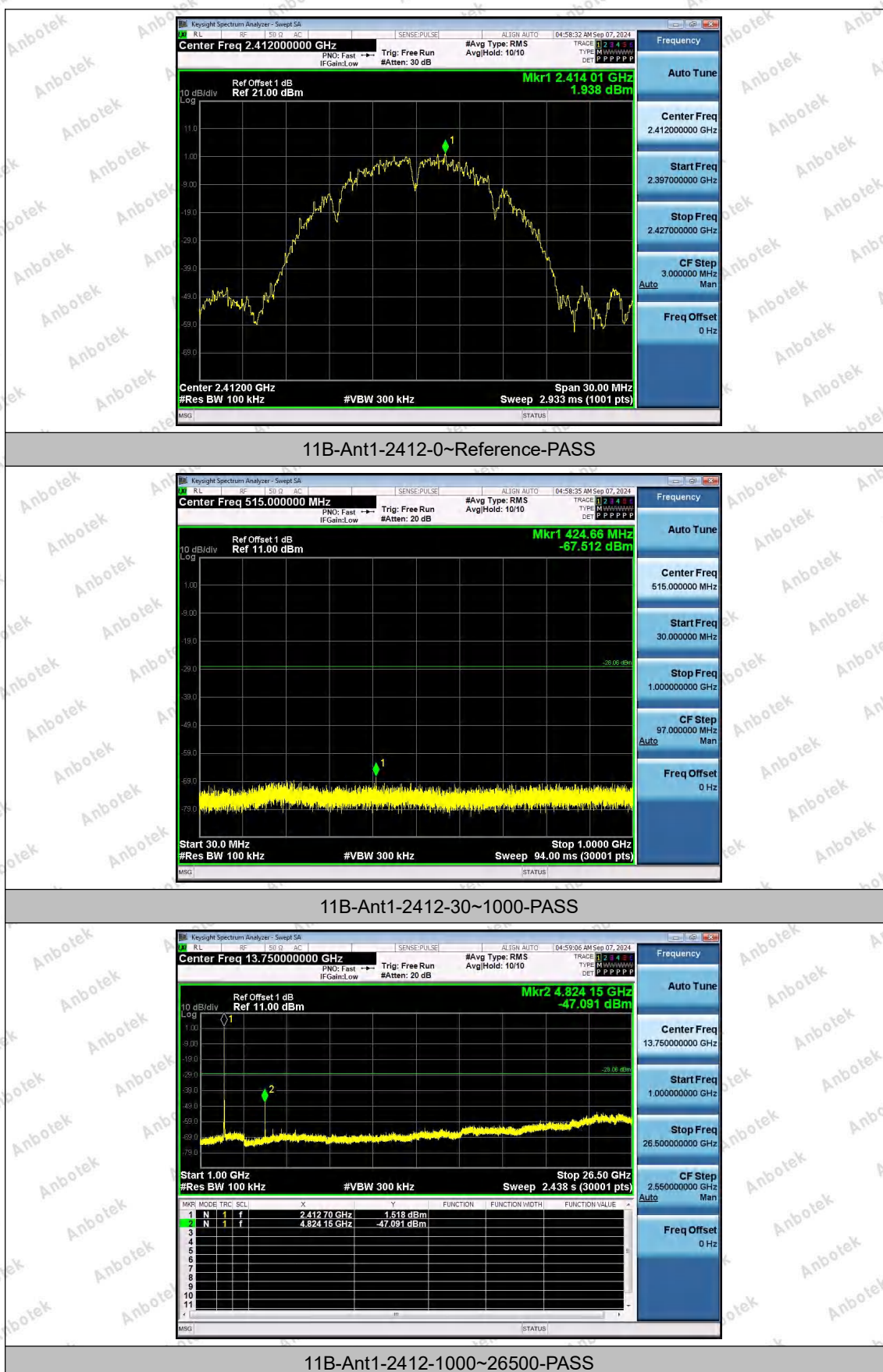
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	1.94	1.94	---	PASS
11B	Ant1	2412	30~1000	1.94	-67.51	≤-28.06	PASS
11B	Ant1	2412	1000~26500	1.94	-47.09	≤-28.06	PASS
11B	Ant1	2437	0~Reference	3.75	3.75	---	PASS
11B	Ant1	2437	30~1000	3.75	-67.74	≤-26.25	PASS
11B	Ant1	2437	1000~26500	3.75	-51.27	≤-26.25	PASS
11B	Ant1	2462	0~Reference	-0.93	-0.93	---	PASS
11B	Ant1	2462	30~1000	-0.93	-67.75	≤-30.93	PASS
11B	Ant1	2462	1000~26500	-0.93	-48.55	≤-30.93	PASS
11G	Ant1	2412	0~Reference	-3.28	-3.28	---	PASS
11G	Ant1	2412	30~1000	-3.28	-67.86	≤-33.28	PASS
11G	Ant1	2412	1000~26500	-3.28	-53.53	≤-33.28	PASS
11G	Ant1	2437	0~Reference	-4.27	-4.27	---	PASS
11G	Ant1	2437	30~1000	-4.27	-67.72	≤-34.27	PASS
11G	Ant1	2437	1000~26500	-4.27	-53.72	≤-34.27	PASS
11G	Ant1	2462	0~Reference	-4.83	-4.83	---	PASS
11G	Ant1	2462	30~1000	-4.83	-66.83	≤-34.83	PASS
11G	Ant1	2462	1000~26500	-4.83	-52.9	≤-34.83	PASS
11N20SISO	Ant1	2412	0~Reference	-4.13	-4.13	---	PASS
11N20SISO	Ant1	2412	30~1000	-4.13	-68.47	≤-34.13	PASS
11N20SISO	Ant1	2412	1000~26500	-4.13	-53.09	≤-34.13	PASS
11N20SISO	Ant1	2437	0~Reference	-4.41	-4.41	---	PASS
11N20SISO	Ant1	2437	30~1000	-4.41	-68.25	≤-34.41	PASS
11N20SISO	Ant1	2437	1000~26500	-4.41	-53.62	≤-34.41	PASS
11N20SISO	Ant1	2462	0~Reference	-6.95	-6.95	---	PASS
11N20SISO	Ant1	2462	30~1000	-6.95	-68.66	≤-36.95	PASS
11N20SISO	Ant1	2462	1000~26500	-6.95	-53.81	≤-36.95	PASS



Test Graphs



Shenzhen Anbotech Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hahqcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
Tel: (86) 0755-26066440 Email: service@anbotech.com

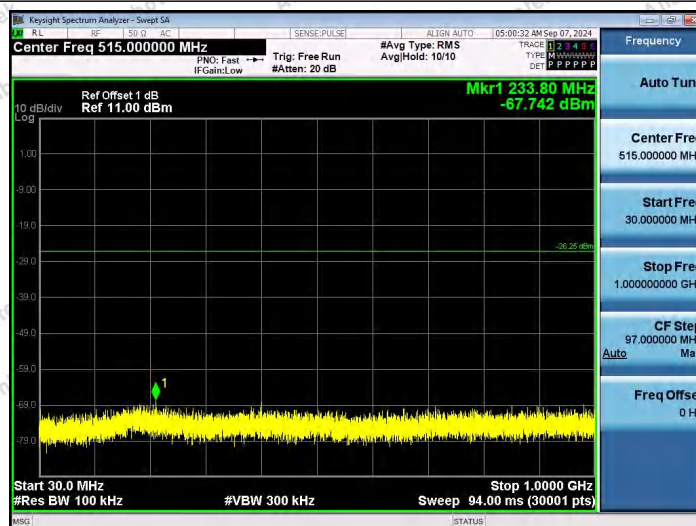


Hotline
400-003-0500
www.anbotech.com

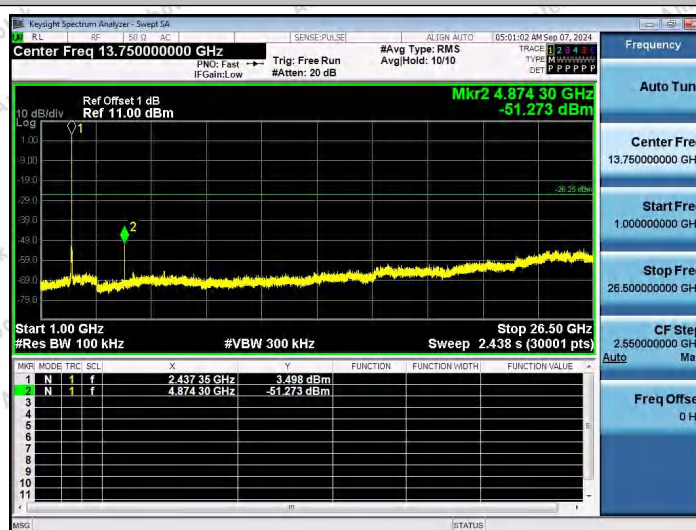




11B-Ant1-2437-0~Reference-PASS



11B-Ant1-2437-30~1000-PASS

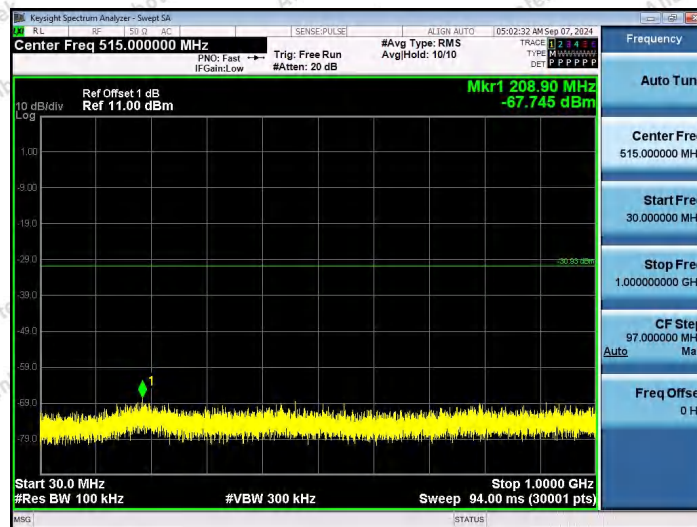


11B-Ant1-2437-1000~26500-PASS

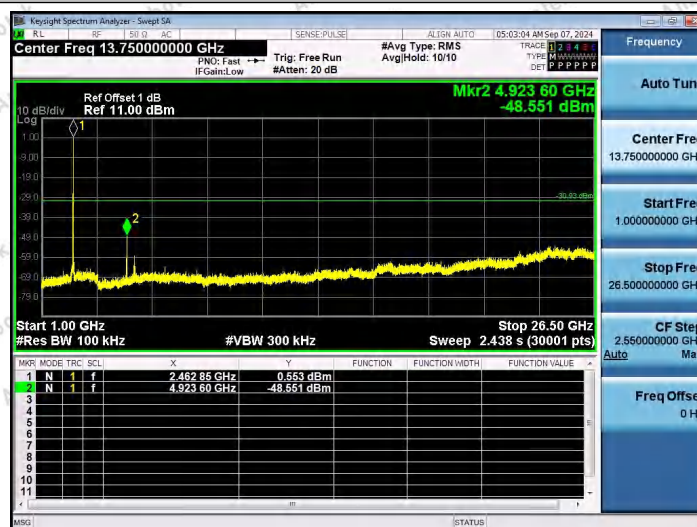




11B-Ant1-2462-0~Reference-PASS



11B-Ant1-2462-30~1000-PASS



11B-Ant1-2462-1000~26500-PASS

Shenzhen Anbotech Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hahgcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
Tel: (86)0755-26066440 Email: service@anbotech.com

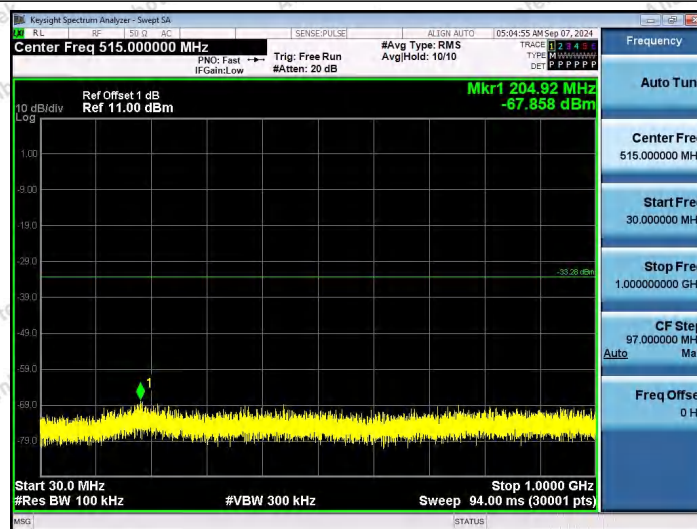


Hotline
400-003-0500
www.anbotech.com

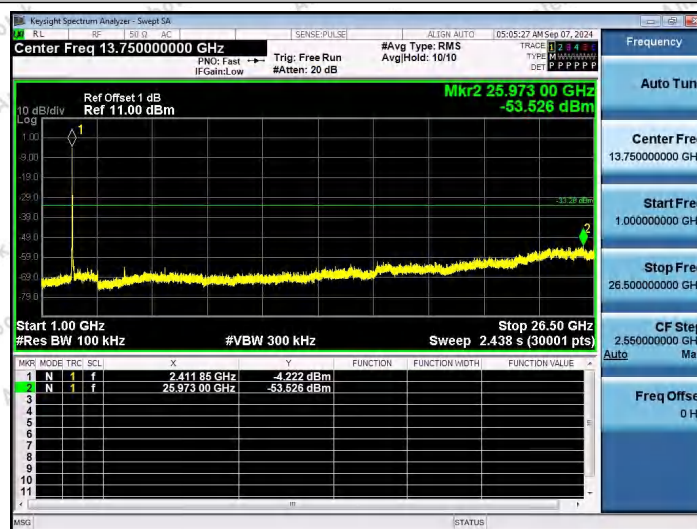




11G-Ant1-2412-0~Reference-PASS



11G-Ant1-2412-30~1000-PASS

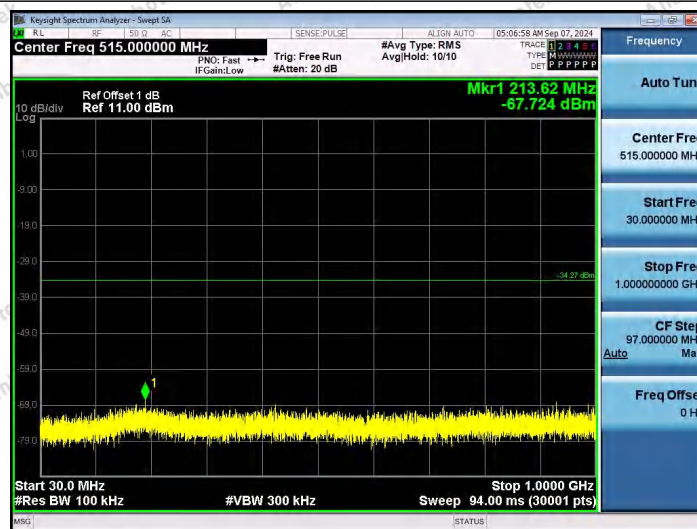


11G-Ant1-2412-1000~26500-PASS

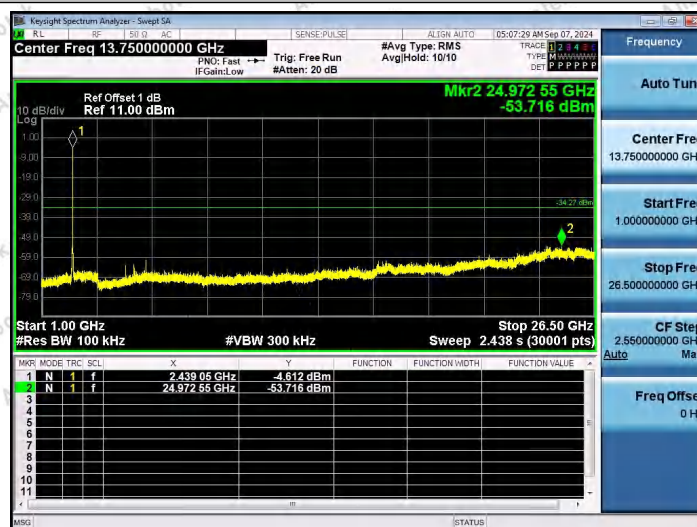




11G-Ant1-2437-0~Reference-PASS



11G-Ant1-2437-30~1000-PASS



11G-Ant1-2437-1000~26500-PASS

Shenzhen Anbotech Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hahqcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
Tel: (86)0755-26066440 Email: service@anbotech.com

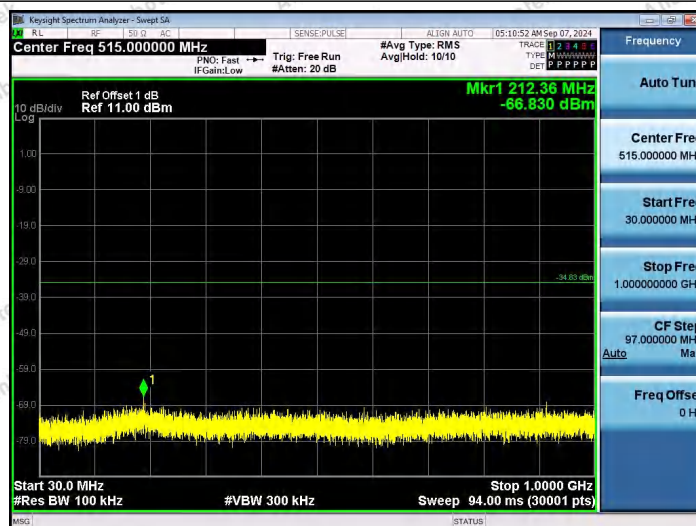


Hotline
400-003-0500
www.anbotech.com

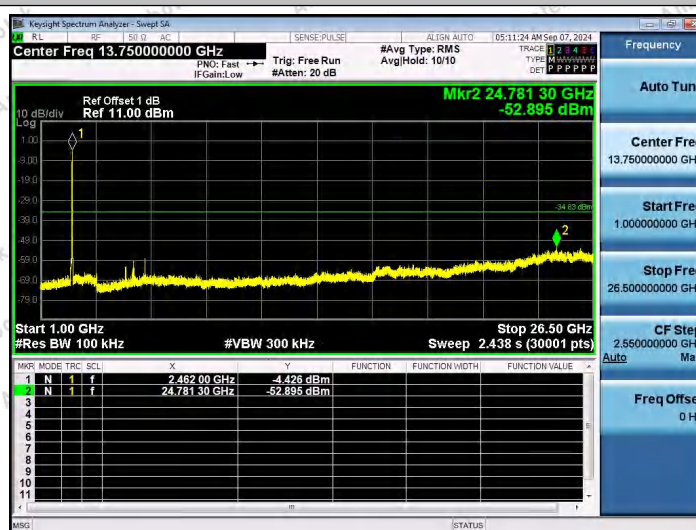




11G-Ant1-2462-0~Reference-PASS



11G-Ant1-2462-30~1000-PASS

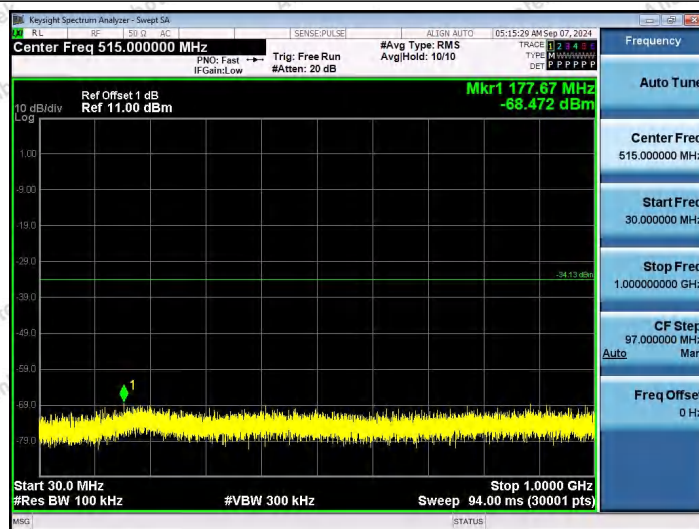


11G-Ant1-2462-1000~26500-PASS

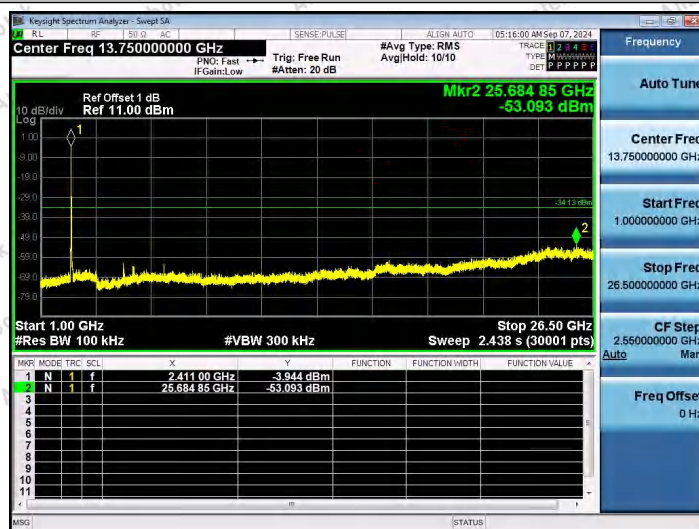




11N20SISO-Ant1-2412-0~Reference-PASS



11N20SISO-Ant1-2412-30~1000-PASS



11N20SISO-Ant1-2412-1000~26500-PASS

Shenzhen Anbotech Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hahqcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
Tel: (86)0755-26066440 Email: service@anbotech.com

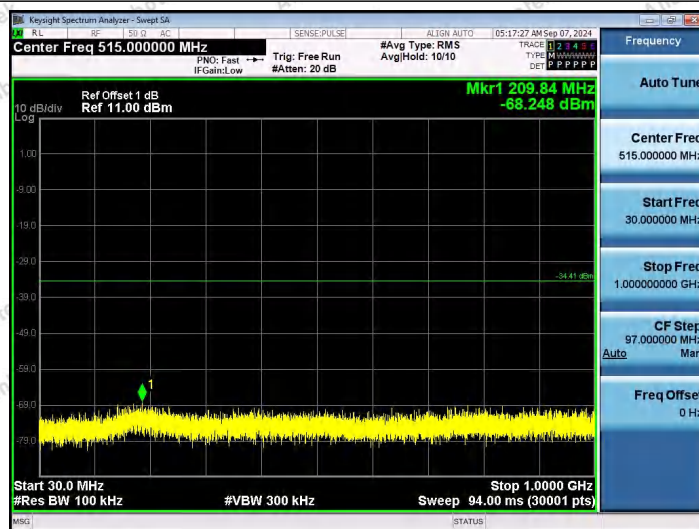


Hotline
400-003-0500
www.anbotech.com

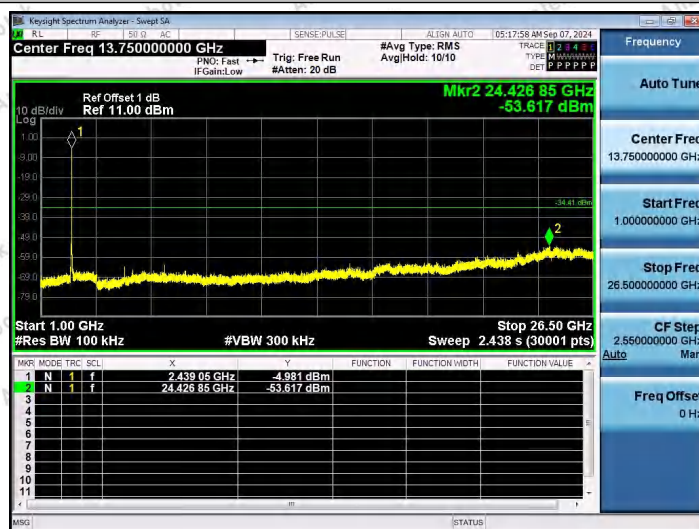




11N20SISO-Ant1-2437-0~Reference-PASS



11N20SISO-Ant1-2437-30~1000-PASS



11N20SISO-Ant1-2437-1000~26500-PASS

Shenzhen Anbotech Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hahqcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
Tel: (86)0755-26066440 Email: service@anbotech.com

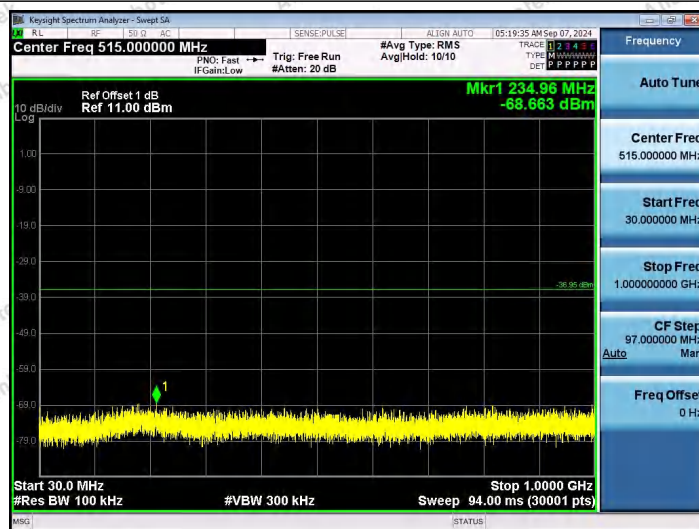


Hotline
400-003-0500
www.anbotech.com

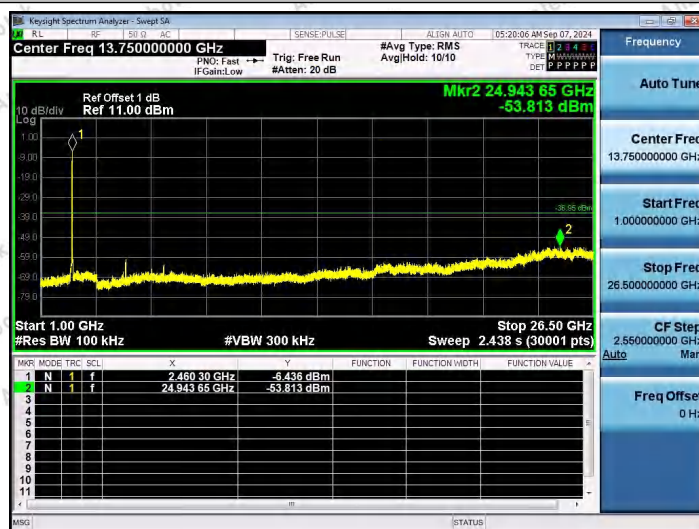




11N20SISO-Ant1-2462-0~Reference-PASS



11N20SISO-Ant1-2462-30~1000-PASS



11N20SISO-Ant1-2462-1000~26500-PASS

Shenzhen Anbotech Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park, Sanwei Community, Hahgcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
Tel: (86)0755-26066440 Email: service@anbotech.com



Hotline
400-003-0500
www.anbotech.com



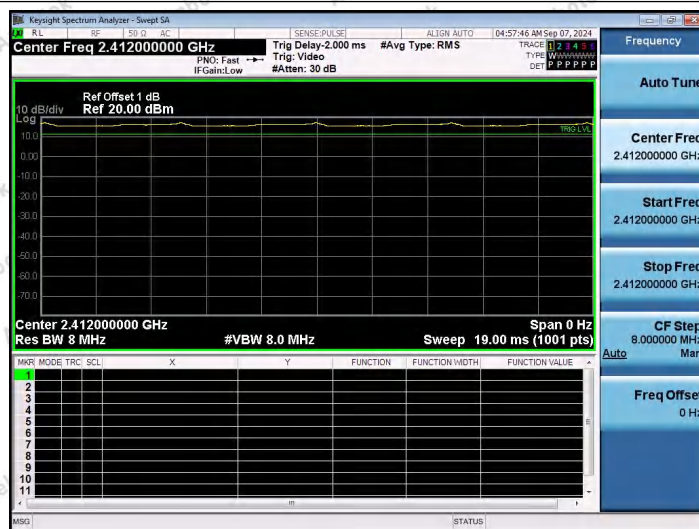
Appendix G: Duty Cycle

Test Result

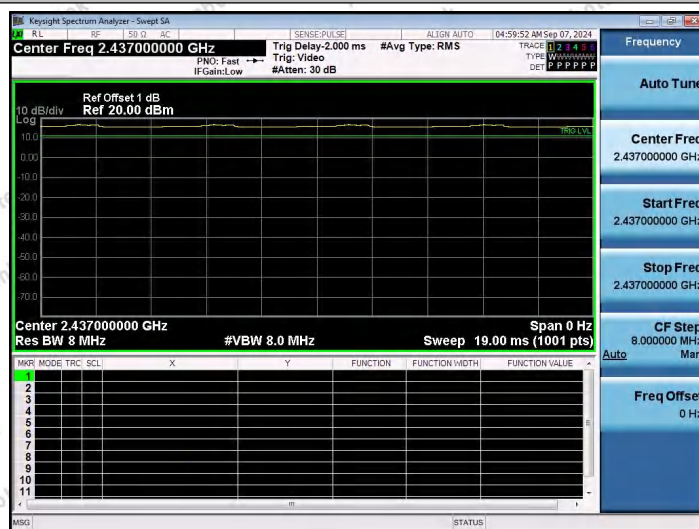
TestMode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Factor
11B	Ant1	2412	19.00	19.00	100.00	0.00
11B	Ant1	2437	19.00	19.00	100.00	0.00
11B	Ant1	2462	19.00	19.00	100.00	0.00
11G	Ant1	2412	19.00	19.00	100.00	0.00
11G	Ant1	2437	19.00	19.00	100.00	0.00
11G	Ant1	2462	19.00	19.00	100.00	0.00
11N20SISO	Ant1	2412	19.00	19.00	100.00	0.00
11N20SISO	Ant1	2437	19.00	19.00	100.00	0.00
11N20SISO	Ant1	2462	19.00	19.00	100.00	0.00



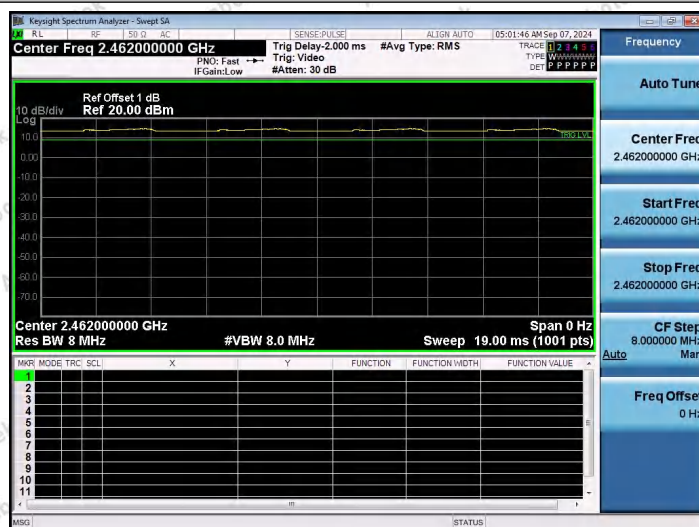
Test Graphs



NTNV-11B-Ant1-2412



NTNV-11B-Ant1-2437



Shenzhen Anbotech Compliance Laboratory Limited

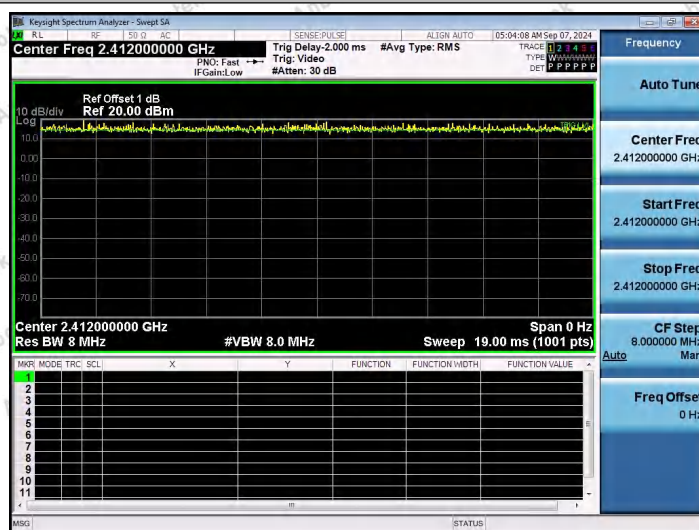
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hahqcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
Tel: (86) 0755-26066440 Email: service@anbotech.com



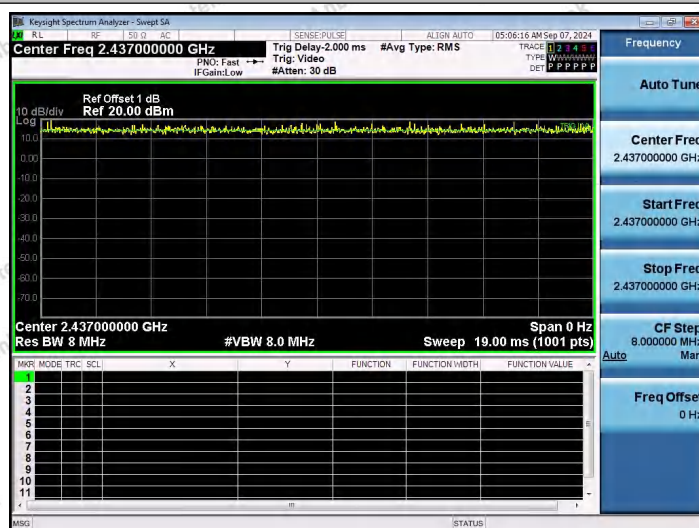
Hotline
400-003-0500
www.anbotech.com



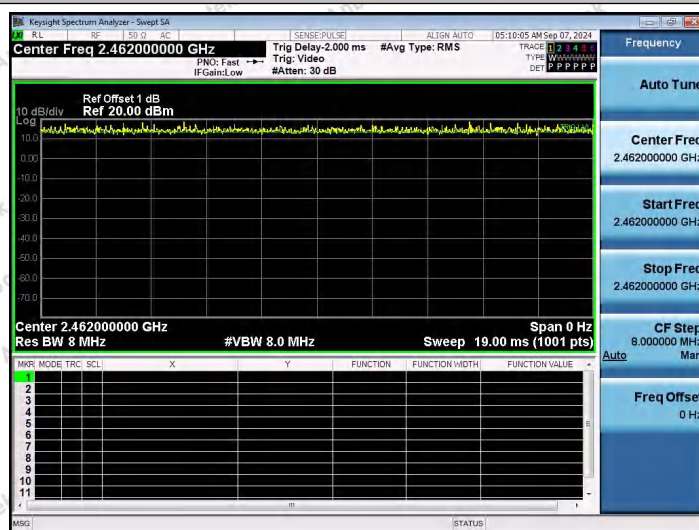
NTNV-11B-Ant1-2462



NTNV-11G-Ant1-2412



NTNV-11G-Ant1-2437



NTNV-11G-Ant1-2462

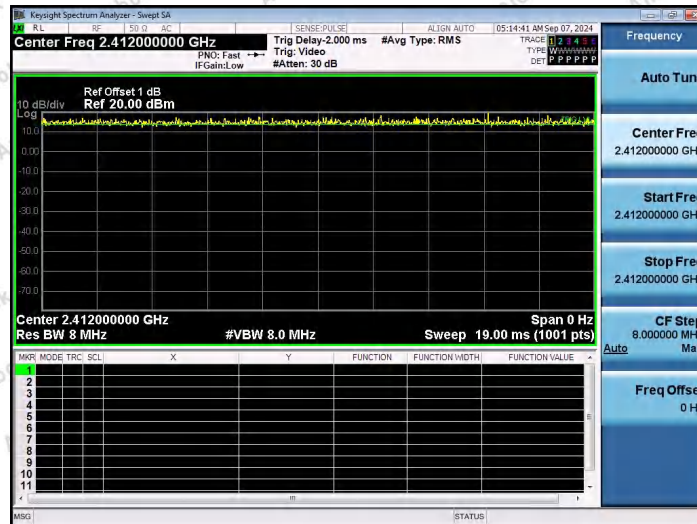
Shenzhen Anbotech Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hahqcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
Tel: (86) 0755-26066440 Email: service@anbotech.com

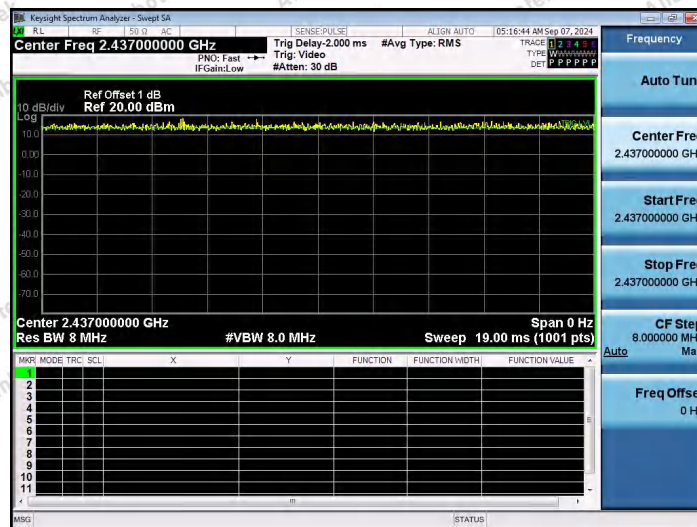


Hotline
400-003-0500
www.anbotech.com

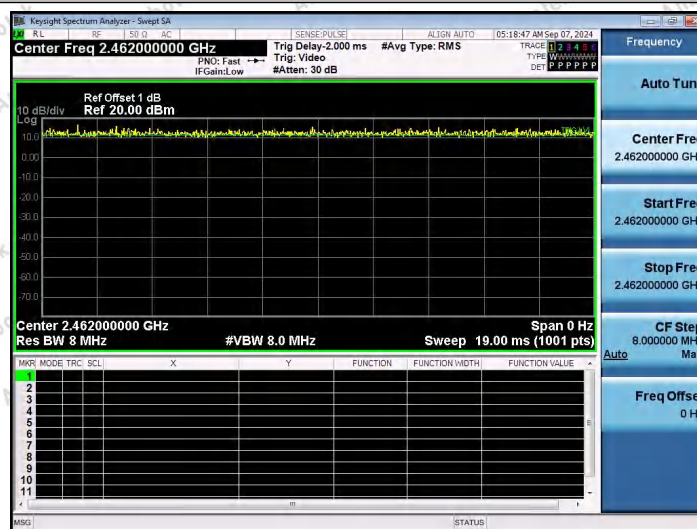




NTNV-11N20SISO-Ant1-2412



NTNV-11N20SISO-Ant1-2437



NTNV-11N20SISO-Ant1-2462

---End---

Shenzhen Anbotech Compliance Laboratory Limited

Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hahgcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China,
Tel: (86)0755-26066440 Email: service@anbotech.com



Hotline
400-003-0500
www.anbotech.com

