

Appendix Test Data

Report No.:	18220WC10264305	Test Sample No.:	1-2-2
Start Test Date:	2021.12.1	Finish Test Date:	2021.12.14
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	57 %
Pressure:	1012 hPa		

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band5	4132	23.87	38.5	PASS
Band5	4182	23.83	38.5	PASS
Band5	4233	23.86	38.5	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band5	4132	1	23.87	38.5	PASS
Band5	4132	2	23.46	38.5	PASS
Band5	4132	3	23.31	38.5	PASS
Band5	4132	4	23.29	38.5	PASS
Band5	4182	1	24.00	38.5	PASS
Band5	4182	2	23.57	38.5	PASS
Band5	4182	3	23.45	38.5	PASS
Band5	4182	4	23.42	38.5	PASS

Shenzhen Anbotech Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com



Hotline

400-003-0500

www.anbotech.com

Band5	4233	1	24.00	38.5	PASS
Band5	4233	2	23.60	38.5	PASS
Band5	4233	3	23.46	38.5	PASS
Band5	4233	4	23.44	38.5	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band5	4132	1	21.86	38.5	PASS
Band5	4132	2	22.34	38.5	PASS
Band5	4132	3	22.77	38.5	PASS
Band5	4132	4	21.87	38.5	PASS
Band5	4132	5	23.89	38.5	PASS
Band5	4182	1	21.96	38.5	PASS
Band5	4182	2	22.48	38.5	PASS
Band5	4182	3	22.89	38.5	PASS
Band5	4182	4	22.02	38.5	PASS
Band5	4182	5	23.99	38.5	PASS
Band5	4233	1	22.00	38.5	PASS
Band5	4233	2	22.52	38.5	PASS
Band5	4233	3	22.90	38.5	PASS
Band5	4233	4	22.04	38.5	PASS
Band5	4233	5	24.01	38.5	PASS

Shenzhen Anbotech Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com



Hotline

400-003-0500

www.anbotech.com

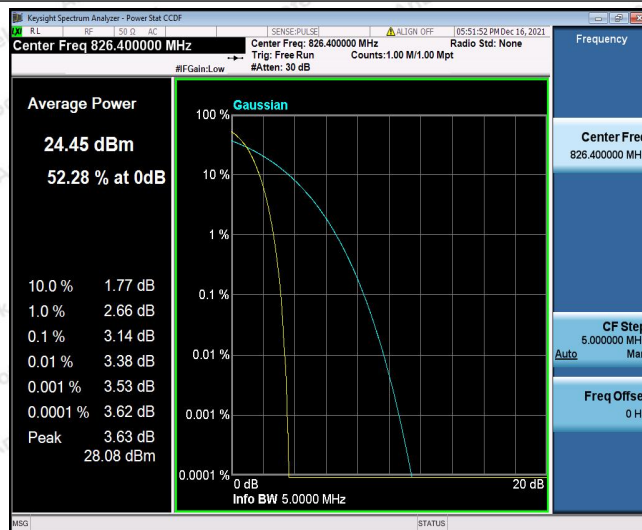
Appendix B: Peak-to-Average Ratio

Test Result

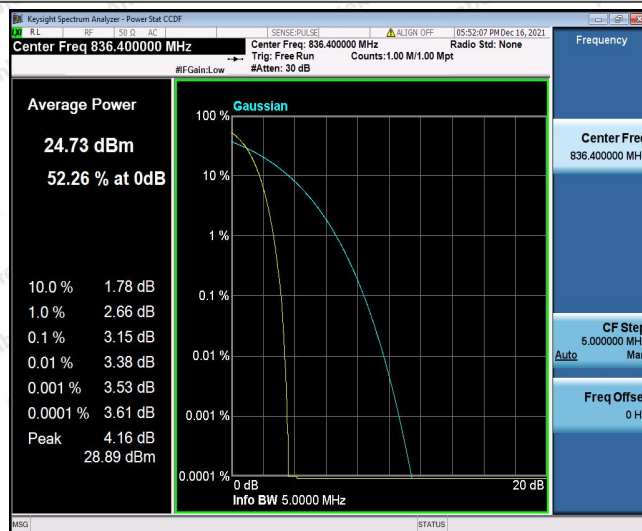
Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
Band5	4132	3.14	13	PASS
Band5	4182	3.15	13	PASS
Band5	4233	3.05	13	PASS

Test Graphs

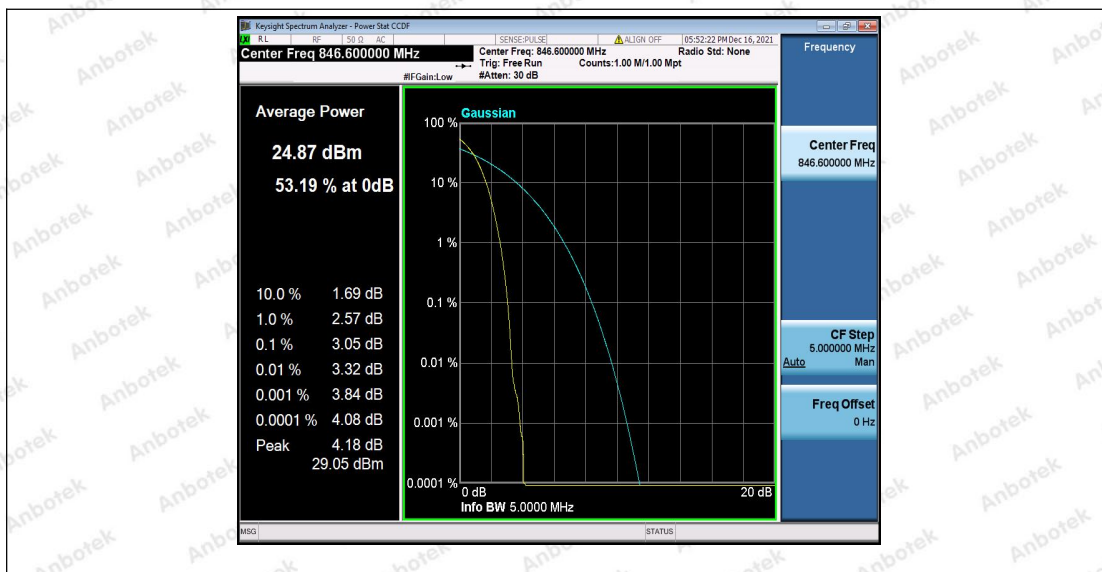
Band5-4132



Band5-4182



Band5-4233



Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com

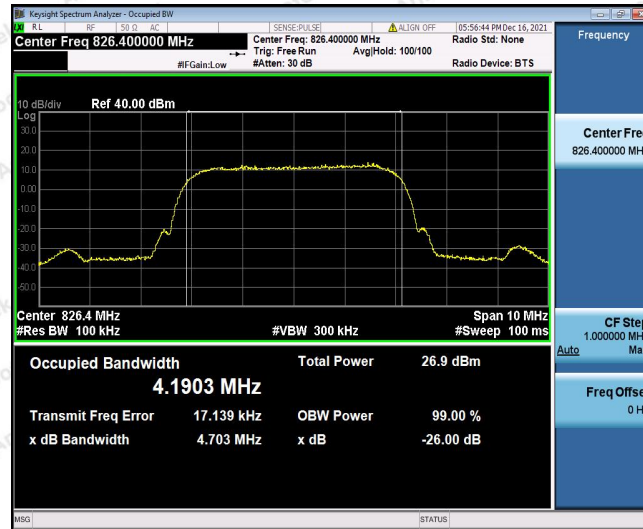
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

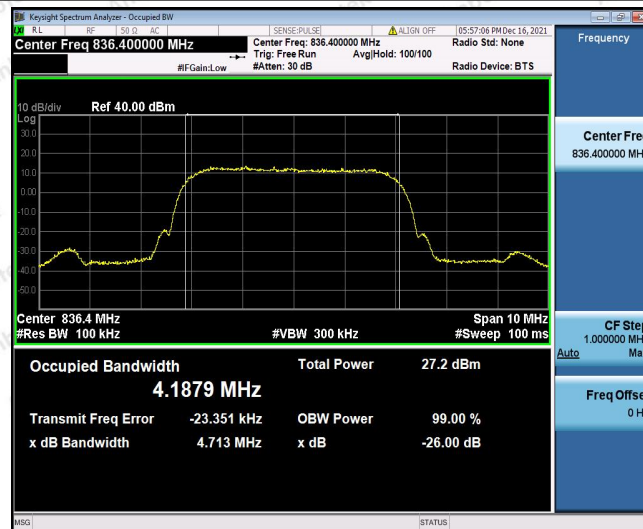
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band5	4132	4.1903	4.703	---	PASS
Band5	4182	4.1879	4.713	---	PASS
Band5	4233	4.1641	4.699	---	PASS

Test Graphs

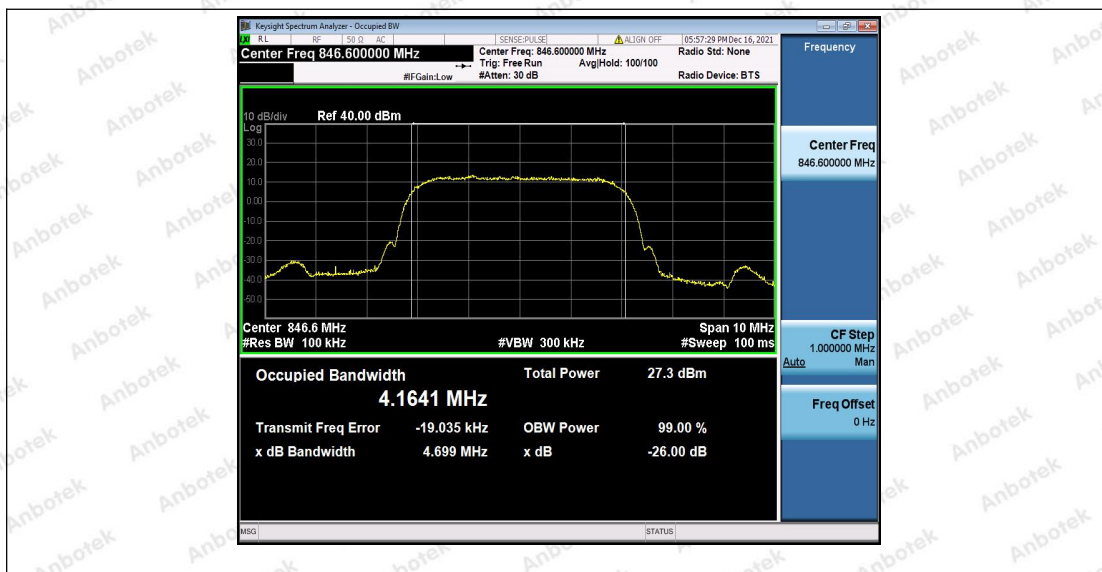
Band5-4132-4.703



Band5-4182-4.713



Band5-4233-4.699



Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com

Appendix D: Band Edge

Test Result

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	823.86	-22.61	-13	PASS
Band5	4233	849.13	-25.43	-13	PASS

Test Graphs

Band5-4132



Band5-4233



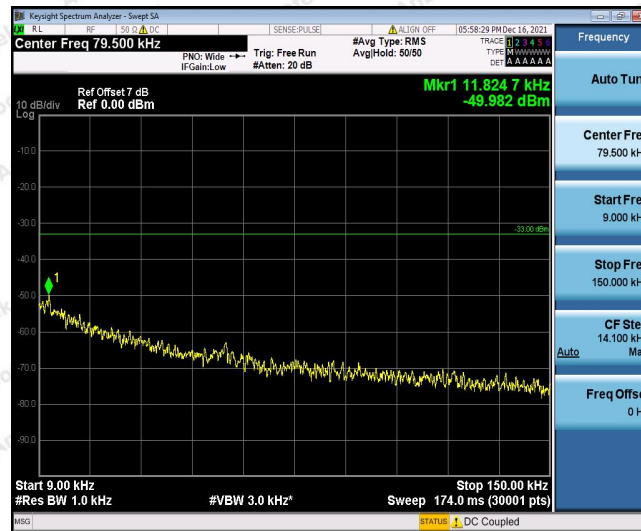
Appendix E: Conducted Spurious Emission

Test Result

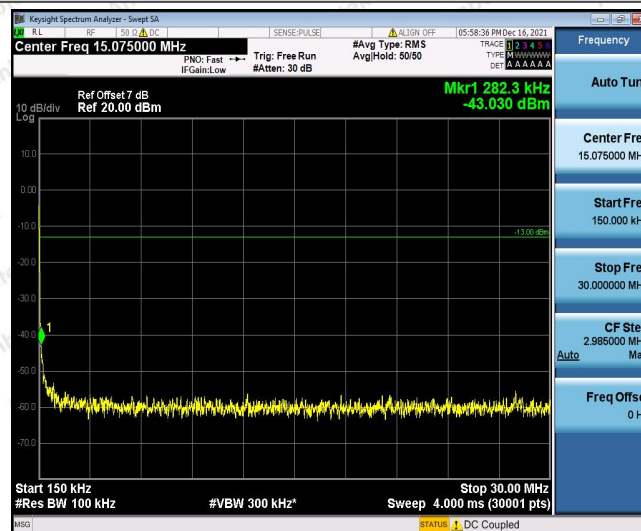
Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band5	4132	0.009~0.15MHz	0.01	-49.98	-33	PASS
Band5	4132	0.15~30MHz	0.28	-43.03	-13	PASS
Band5	4132	30~1000MHz	982.93	-37.16	-13	PASS
Band5	4132	1000~3000MHz	2651.07	-44.49	-13	PASS
Band5	4132	3000~10000MHz	3308.7	-60.66	-13	PASS
Band5	4132	10000~18000MHz	17097.33	-56.05	-13	PASS
Band5	4182	0.009~0.15MHz	0.01	-49.8	-33	PASS
Band5	4182	0.15~30MHz	0.28	-41.87	-13	PASS
Band5	4182	30~1000MHz	192.6	-37.58	-13	PASS
Band5	4182	1000~3000MHz	1671.27	-41.15	-13	PASS
Band5	4182	3000~10000MHz	3142.8	-60.75	-13	PASS
Band5	4182	10000~18000MHz	17046.67	-56.22	-13	PASS
Band5	4233	0.009~0.15MHz	0.02	-51.14	-33	PASS
Band5	4233	0.15~30MHz	0.28	-43.01	-13	PASS
Band5	4233	30~1000MHz	172.62	-38.01	-13	PASS
Band5	4233	1000~3000MHz	1695.4	-42.38	-13	PASS
Band5	4233	3000~10000MHz	3147	-60.78	-13	PASS
Band5	4233	10000~18000MHz	16943.73	-56.01	-13	PASS

Test Graphs

Band5-4132-0.009~0.15MHz



Band5-4132-0.15~30MHz



Band5-4132-30~1000MHz

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

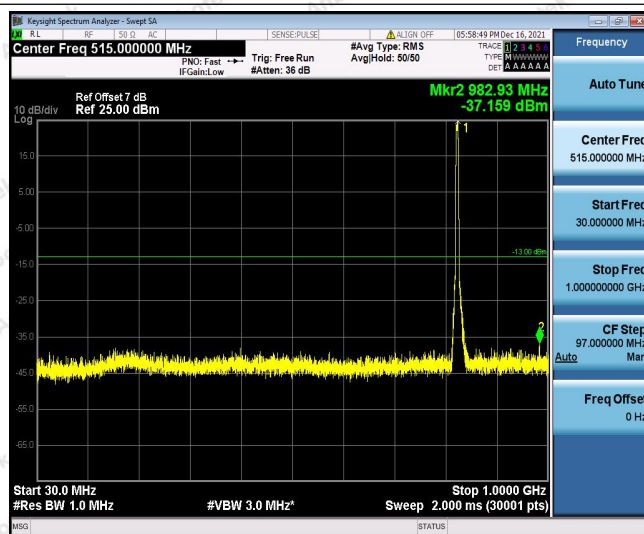
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com



Hotline

400-003-0500

www.anbotek.com



Band5-4132-1000~3000MHz



Band5-4132-3000~10000MHz



Band5-4132-10000~18000MHz



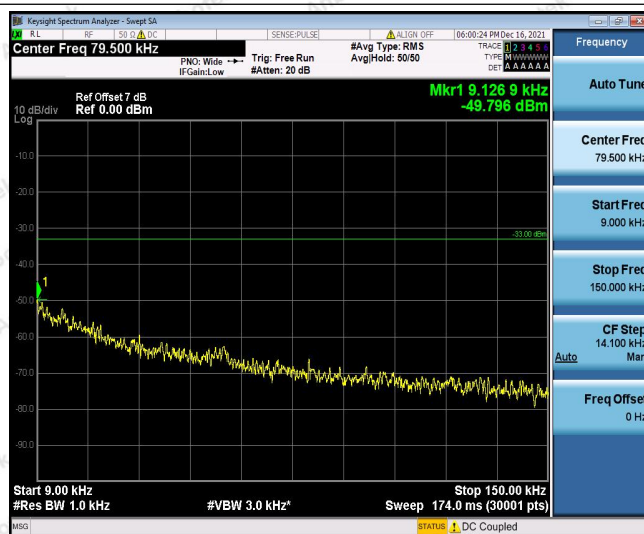
Band5-4182-0.009~0.15MHz

Shenzhen Anbotek Compliance Laboratory Limited

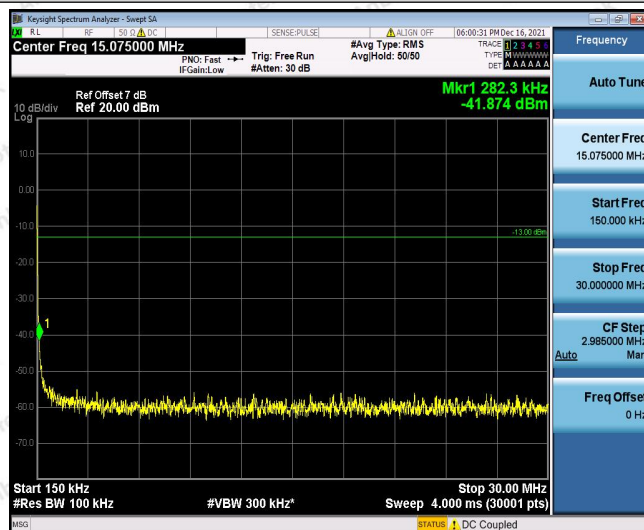
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

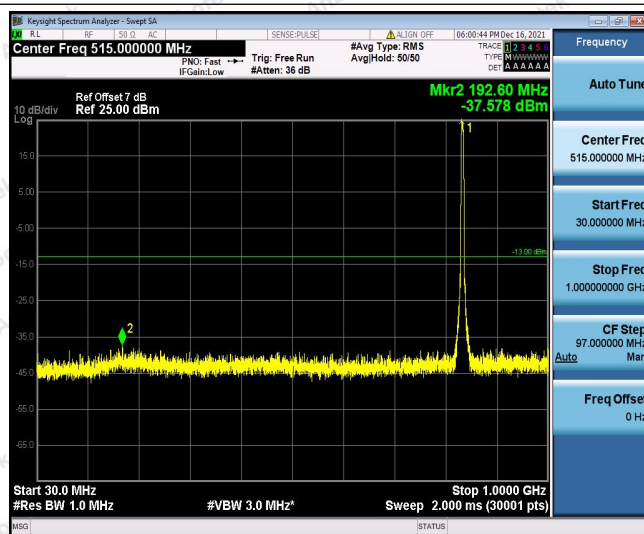
Hotline
400-003-0500
www.anbotek.com



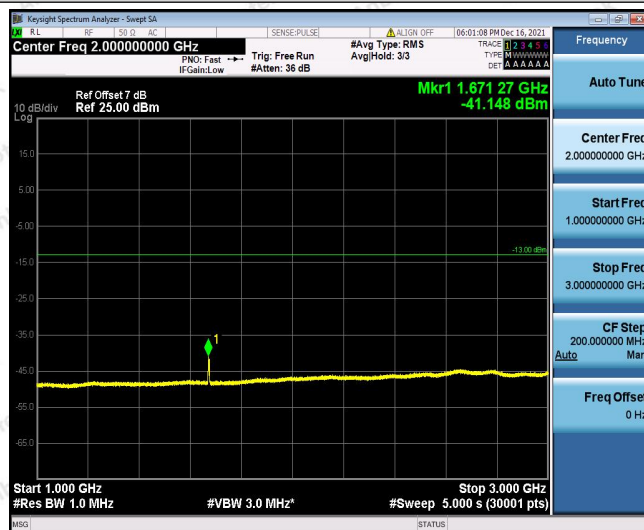
Band5-4182-0.15~30MHz



Band5-4182-30~1000MHz



Band5-4182-1000~3000MHz



Band5-4182-3000~10000MHz



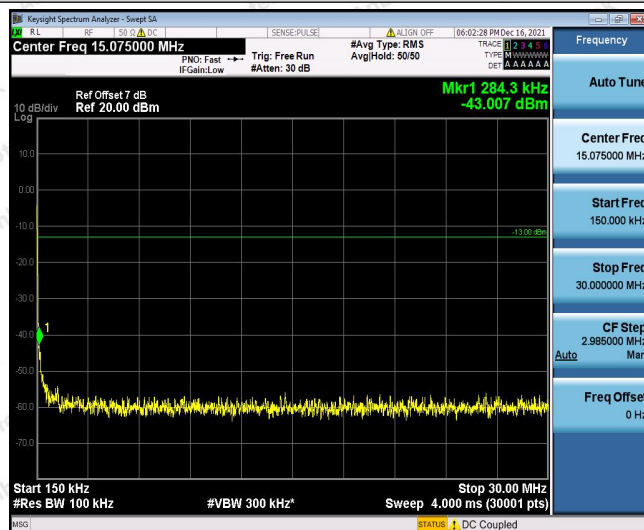
Band5-4182-10000~18000MHz



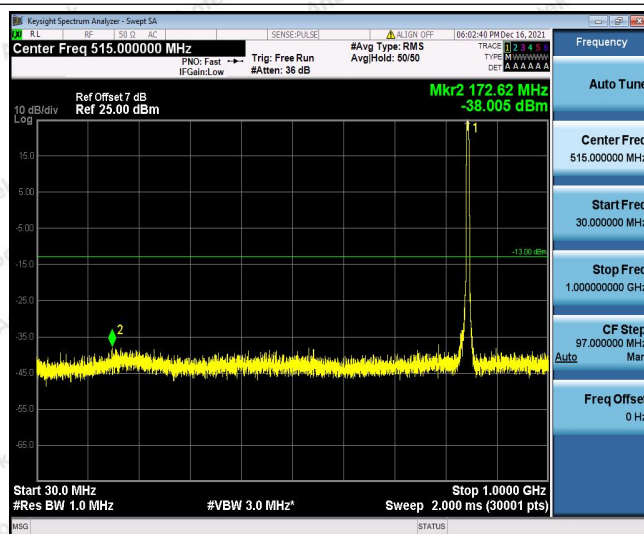
Band5-4233-0.009~0.15MHz



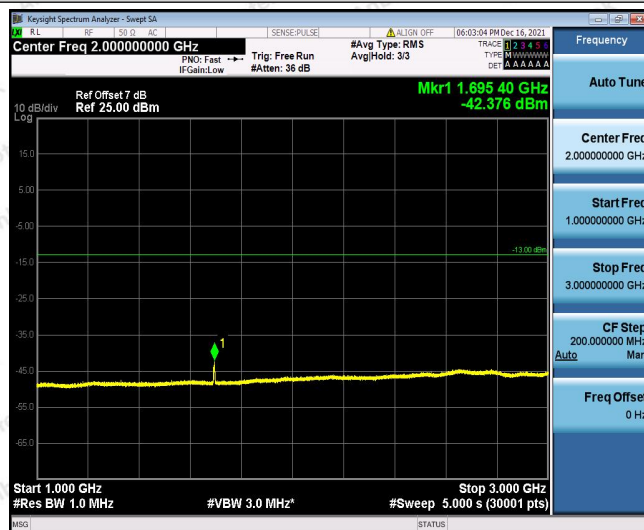
Band5-4233-0.15~30MHz



Band5-4233-30~1000MHz



Band5-4233-1000~3000MHz



Band5-4233-3000~10000MHz



Band5-4233-10000~18000MHz



Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com

Appendix F: Frequency Stability VS Voltage

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	VL	NT	-10.60	-0.012827	±2.5	PASS
Band5	4132	VN	NT	-5.76	-0.006970	±2.5	PASS
Band5	4132	VH	NT	-5.99	-0.007248	±2.5	PASS
Band5	4182	VL	NT	-11.30	-0.013510	±2.5	PASS
Band5	4182	VN	NT	-8.82	-0.010545	±2.5	PASS
Band5	4182	VH	NT	-3.13	-0.003742	±2.5	PASS
Band5	4233	VL	NT	-7.33	-0.008658	±2.5	PASS
Band5	4233	VN	NT	-5.61	-0.006627	±2.5	PASS
Band5	4233	VH	NT	-8.99	-0.010619	±2.5	PASS

Appendix G: Frequency Stability VS Temperature

Test Result

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	NV	-30	-9.77	-0.011822	±2.5	PASS
Band5	4132	NV	-20	-7.75	-0.009378	±2.5	PASS
Band5	4132	NV	0	-12.52	-0.015150	±2.5	PASS
Band5	4132	NV	10	-8.49	-0.010273	±2.5	PASS
Band5	4132	NV	20	-12.36	-0.014956	±2.5	PASS
Band5	4132	NV	30	-7.10	-0.008591	±2.5	PASS
Band5	4132	NV	40	-12.09	-0.014630	±2.5	PASS
Band5	4132	NV	50	-6.81	-0.008241	±2.5	PASS
Band5	4182	NV	-30	-5.11	-0.006110	±2.5	PASS
Band5	4182	NV	-20	-6.88	-0.008226	±2.5	PASS
Band5	4182	NV	0	-8.16	-0.009756	±2.5	PASS
Band5	4182	NV	10	-9.39	-0.011227	±2.5	PASS
Band5	4182	NV	20	-10.43	-0.012470	±2.5	PASS
Band5	4182	NV	30	-5.10	-0.006098	±2.5	PASS
Band5	4182	NV	40	-5.43	-0.006492	±2.5	PASS
Band5	4182	NV	50	-6.82	-0.008154	±2.5	PASS
Band5	4233	NV	-30	-10.24	-0.012095	±2.5	PASS

Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.

Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotek.com



Hotline
400-003-0500

www.anbotek.com

Band5	4233	NV	-20	-12.32	-0.014552	±2.5	PASS
Band5	4233	NV	0	-4.18	-0.004937	±2.5	PASS
Band5	4233	NV	10	-6.43	-0.007595	±2.5	PASS
Band5	4233	NV	20	-7.79	-0.009202	±2.5	PASS
Band5	4233	NV	30	-9.26	-0.010938	±2.5	PASS
Band5	4233	NV	40	-11.47	-0.013548	±2.5	PASS
Band5	4233	NV	50	-5.86	-0.006922	±2.5	PASS

---End---