

Appendix Test Data

Report No.:	18220WC30015402	Test Sample No.:	1-2-2
Start Test Date:	2023.2.14	Finish Test Date:	2023.2.20
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	57 %
Pressure:	1012 hPa		

Appendix A: Conducted Output Power

Test Result

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band5	4132	20.19	38.45	PASS
Band5	4182	23.79	38.45	PASS
Band5	4233	23.77	38.45	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band5	4132	1	23.11	38.5	PASS
Band5	4132	2	22.41	38.5	PASS
Band5	4132	3	22.40	38.5	PASS
Band5	4132	4	22.50	38.5	PASS
Band5	4182	1	22.70	38.5	PASS
Band5	4182	2	22.00	38.5	PASS
Band5	4182	3	21.96	38.5	PASS
Band5	4182	4	22.10	38.5	PASS
Band5	4233	1	22.72	38.5	PASS
Band5	4233	2	21.99	38.5	PASS
Band5	4233	3	21.95	38.5	PASS
Band5	4233	4	22.08	38.5	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band5	4132	1	23.06	38.5	PASS
Band5	4132	2	21.46	38.5	PASS
Band5	4132	3	21.06	38.5	PASS
Band5	4132	4	20.90	38.5	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) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



Hotline
 400-003-0500
 www.anbotek.com.cn



Band5	4132	5	23.08	38.5	PASS
Band5	4182	1	22.63	38.5	PASS
Band5	4182	2	21.16	38.5	PASS
Band5	4182	3	20.72	38.5	PASS
Band5	4182	4	20.50	38.5	PASS
Band5	4182	5	22.59	38.5	PASS
Band5	4233	1	22.41	38.5	PASS
Band5	4233	2	20.97	38.5	PASS
Band5	4233	3	20.70	38.5	PASS
Band5	4233	4	20.43	38.5	PASS
Band5	4233	5	22.45	38.5	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) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com.cn



Appendix B: Peak-to-Average Ratio

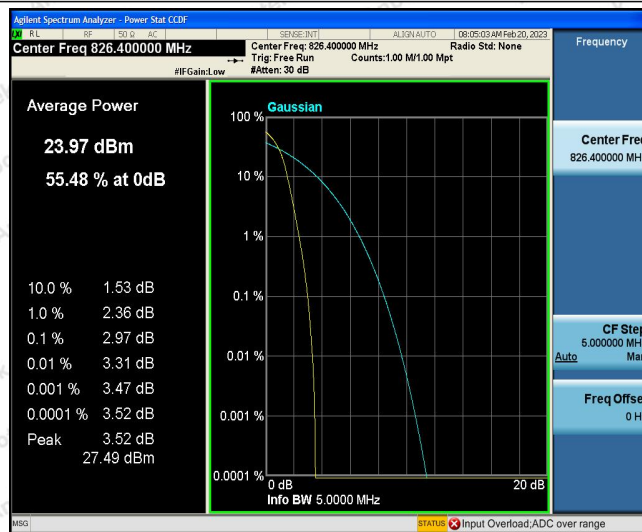
Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
Band5	4132	2.97	13	PASS
Band5	4182	3.06	13	PASS
Band5	4233	2.95	13	PASS

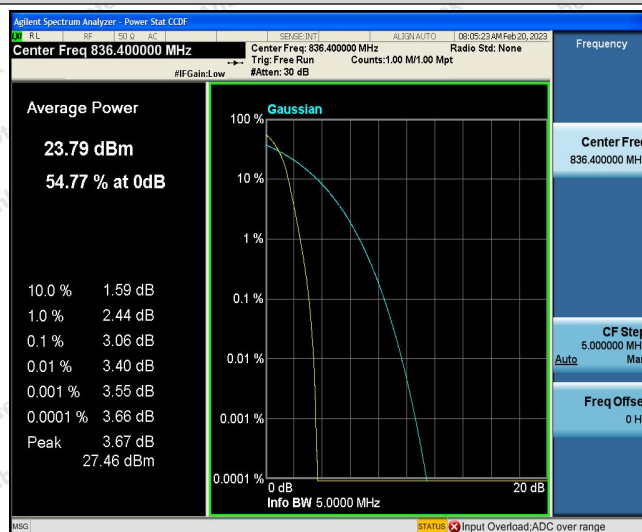


Test Graphs

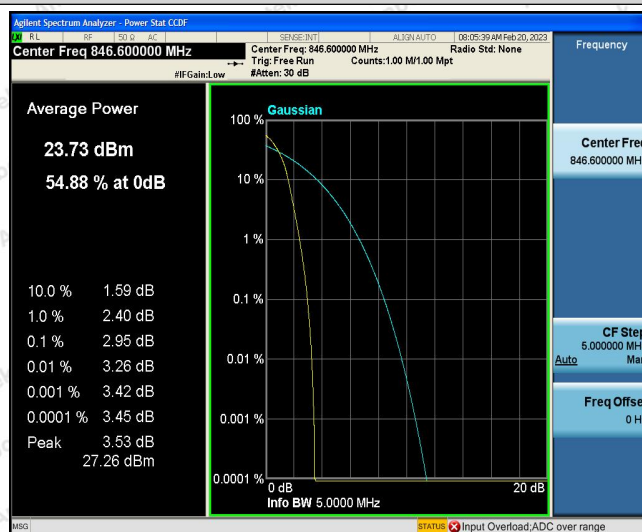
Band5-4132



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) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



Hotline
 400-003-0500
 www.anbotek.com.cn



Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band5	4132	4.1367	4.713	---	PASS
Band5	4182	4.1274	4.701	---	PASS
Band5	4233	4.1187	4.699	---	PASS

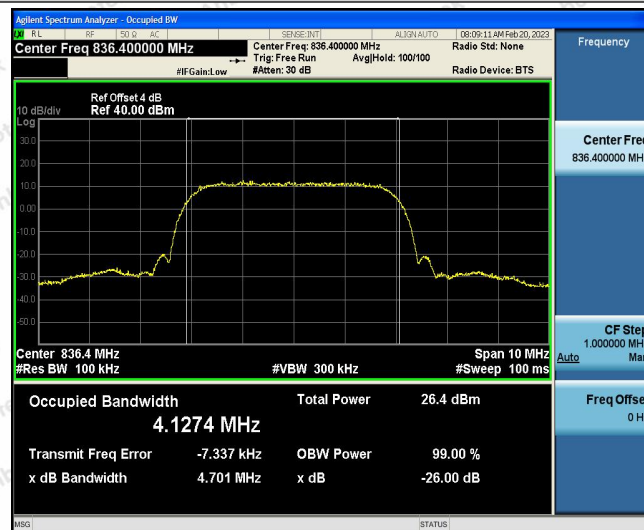


Test Graphs

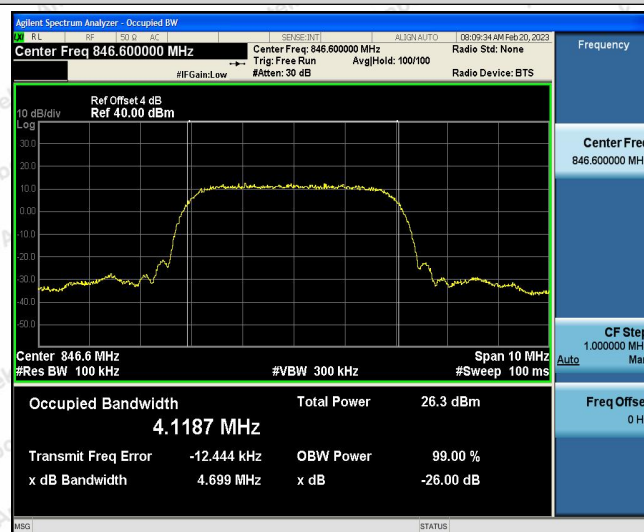
Band5-4132



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) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com.cn



Appendix D: Band Edge

Test Result

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band5	4132	823.86	-22.90	-13	PASS
Band5	4233	849.16	-25.19	-13	PASS



Test Graphs

Band5-4132



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) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com.cn



Appendix E: Conducted Spurious Emission

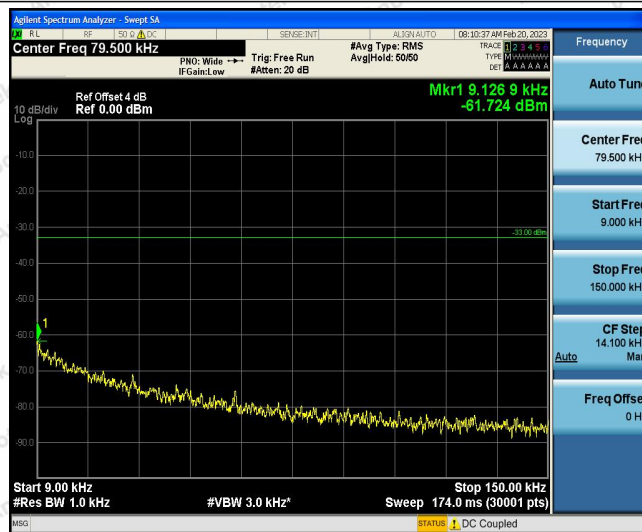
Test Result

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band5	4132	0.009~0.15MHz	0.01	-61.72	-33	PASS
Band5	4132	0.15~30MHz	0.28	-57.34	-13	PASS
Band5	4132	30~1000MHz	928.51	-51.65	-13	PASS
Band5	4132	1000~3000MHz	2656.67	-47.93	-13	PASS
Band5	4132	3000~10000MHz	5601.43	-62.89	-13	PASS
Band5	4132	10000~18000MHz	16287.73	-59.11	-13	PASS
Band5	4182	0.009~0.15MHz	0.01	-62.98	-33	PASS
Band5	4182	0.15~30MHz	0.3	-54.28	-13	PASS
Band5	4182	30~1000MHz	550.95	-50.24	-13	PASS
Band5	4182	1000~3000MHz	2661.73	-48.14	-13	PASS
Band5	4182	3000~10000MHz	5631.53	-62.78	-13	PASS
Band5	4182	10000~18000MHz	16235.47	-58.95	-13	PASS
Band5	4233	0.009~0.15MHz	0.01	-62.6	-33	PASS
Band5	4233	0.15~30MHz	0.28	-55.39	-13	PASS
Band5	4233	30~1000MHz	995.99	-51.92	-13	PASS
Band5	4233	1000~3000MHz	2655.13	-48.06	-13	PASS
Band5	4233	3000~10000MHz	5593.27	-62.72	-13	PASS
Band5	4233	10000~18000MHz	16293.33	-58.95	-13	PASS

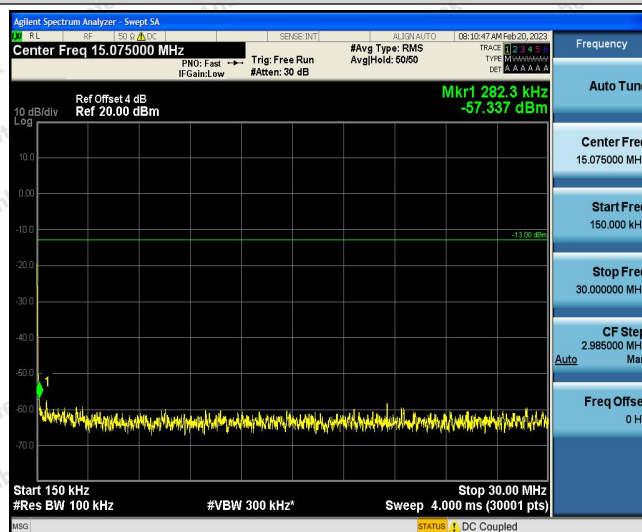


Test Graphs

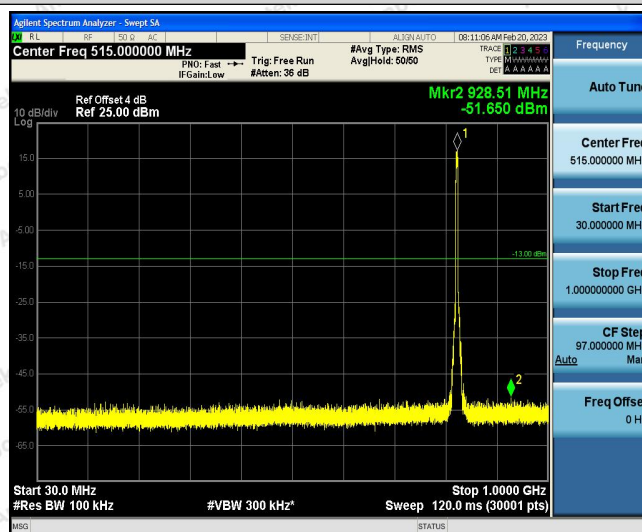
Band5-4132-0.009~0.15MHz



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) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com.cn



Band5-4132-1000~3000MHz



Band5-4132-3000~10000MHz



Band5-4132-10000~18000MHz



Band5-4182-0.009~0.15MHz

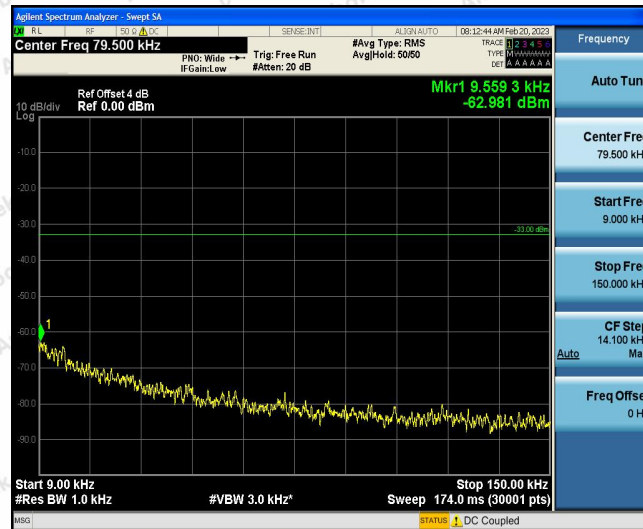
Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community,
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

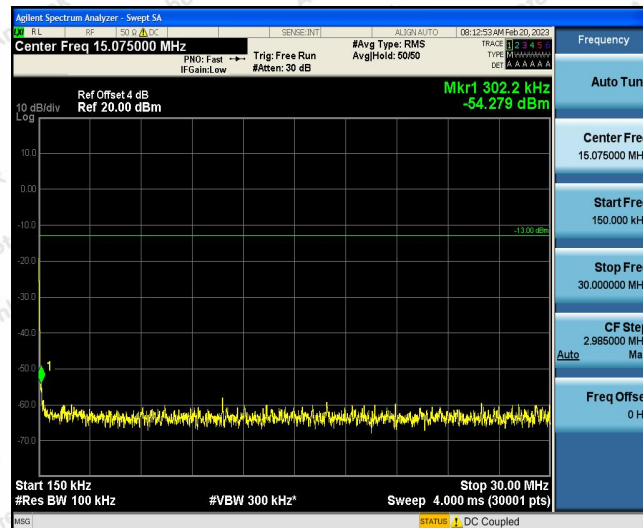


Hotline
400-003-0500
www.anbotek.com.cn

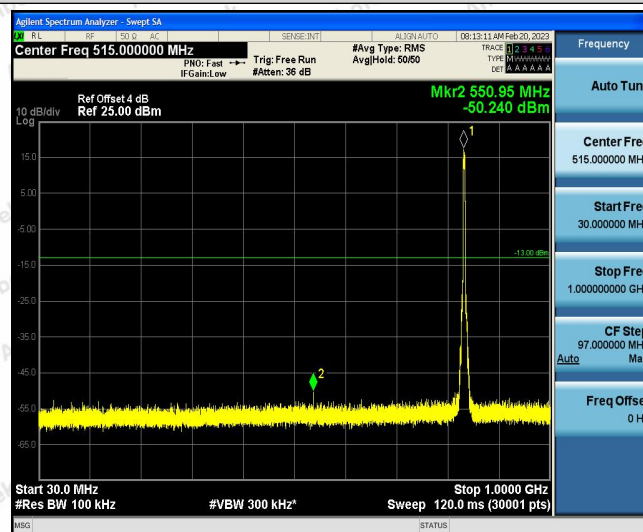




Band5-4182-0.15~30MHz



Band5-4182-30~1000MHz



Band5-4182-1000~3000MHz

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) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com.cn





Band5-4182-3000~10000MHz



Band5-4182-10000~18000MHz



Band5-4233-0.009~0.15MHz

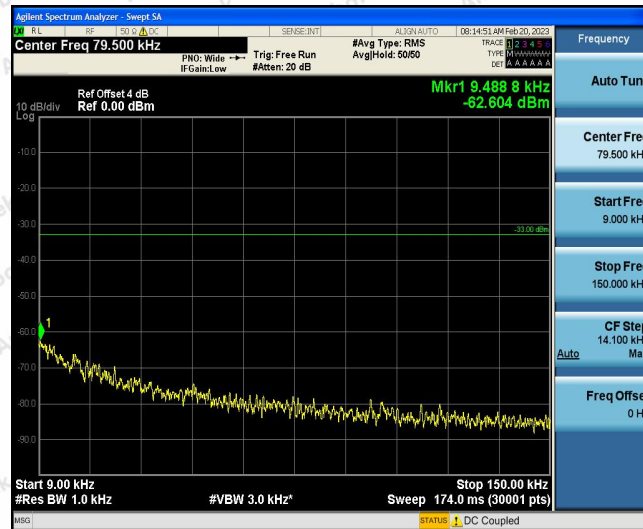
Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community,
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

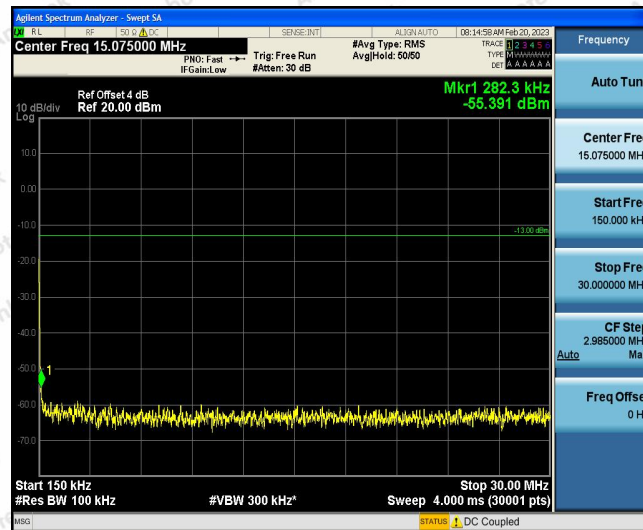


Hotline
400-003-0500
www.anbotek.com.cn

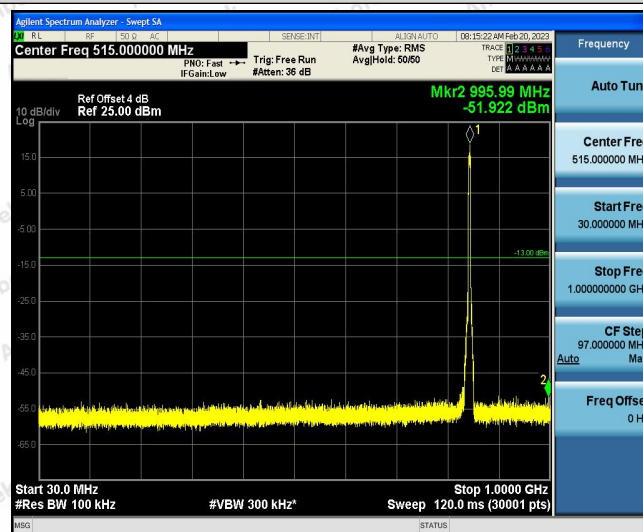




Band5-4233-0.15~30MHz



Band5-4233-30~1000MHz



Band5-4233-1000~3000MHz

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) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com.cn





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) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



Hotline
400-003-0500
www.anbotek.com.cn



Appendix F: Frequency Stability VS Voltage measurement

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	VL	NT	2.56	0.003098	±2.5	PASS
Band5	4132	VN	NT	2.30	0.002783	±2.5	PASS
Band5	4132	VH	NT	2.35	0.002844	±2.5	PASS
Band5	4182	VL	NT	-0.01	-0.000012	±2.5	PASS
Band5	4182	VN	NT	-0.05	-0.000060	±2.5	PASS
Band5	4182	VH	NT	-0.04	-0.000048	±2.5	PASS
Band5	4233	VL	NT	-2.37	-0.002799	±2.5	PASS
Band5	4233	VN	NT	-2.43	-0.002870	±2.5	PASS
Band5	4233	VH	NT	-1.94	-0.002292	±2.5	PASS



Appendix G: Frequency Stability VS Temperature

measurement

Test Result

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	NV	-30	2.37	0.002868	±2.5	PASS
Band5	4132	NV	-20	2.11	0.002553	±2.5	PASS
Band5	4132	NV	0	2.18	0.002638	±2.5	PASS
Band5	4132	NV	10	2.39	0.002892	±2.5	PASS
Band5	4132	NV	20	2.67	0.003231	±2.5	PASS
Band5	4182	NV	-30	0.04	0.000048	±2.5	PASS
Band5	4182	NV	-20	0.01	0.000012	±2.5	PASS
Band5	4182	NV	0	0.26	0.000311	±2.5	PASS
Band5	4182	NV	10	0.05	0.000060	±2.5	PASS
Band5	4182	NV	20	-0.06	-0.000072	±2.5	PASS
Band5	4233	NV	-30	-2.05	-0.002421	±2.5	PASS
Band5	4233	NV	-20	-2.08	-0.002457	±2.5	PASS
Band5	4233	NV	0	-1.64	-0.001937	±2.5	PASS
Band5	4233	NV	10	-2.22	-0.002622	±2.5	PASS
Band5	4233	NV	20	-2.25	-0.002658	±2.5	PASS

