

APPENDIX REPORT

Project No.	SHT2107001001EW	Radio Specification	WCDMA
Test sample No.	YPHT21070010027	Model No.	E485
Start test date	2021/7/9	Finish date	2021/7/9
Temperature	26.2°C	Humidity	32%
Test Engineer	Jiongsheng.Feng	Auditor	Xiaodong Zhu

Appendix clause	Test item	Result
A	Conducted Output Power	PASS
B	Peak-to-Average Ratio	PASS
C	26 dB Bandwidth and Occupied Bandwidth	PASS
D	Band edge	PASS
E	Conducted Spurious Emission	PASS
F	Frequency Stability	PASS

8.1 Appendix A: Conducted Output Power

Test Result

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band II	9262	22.52	33	PASS
Band II	9400	22.28	33	PASS
Band II	9538	22.13	33	PASS
Band V	4132	22.30	38.5	PASS
Band V	4182	22.35	38.5	PASS
Band V	4233	22.26	38.5	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band II	9262	HSDPA_Sub1	22.21	33	PASS
Band II	9262	HSDPA_Sub2	21.82	33	PASS
Band II	9262	HSDPA_Sub3	21.52	33	PASS
Band II	9262	HSDPA_Sub4	21.35	33	PASS
Band II	9400	HSDPA_Sub1	21.87	33	PASS
Band II	9400	HSDPA_Sub2	21.44	33	PASS
Band II	9400	HSDPA_Sub3	21.05	33	PASS
Band II	9400	HSDPA_Sub4	20.92	33	PASS
Band II	9538	HSDPA_Sub1	21.60	33	PASS
Band II	9538	HSDPA_Sub2	21.16	33	PASS
Band II	9538	HSDPA_Sub3	20.86	33	PASS
Band II	9538	HSDPA_Sub4	20.67	33	PASS
Band V	4132	HSDPA_Sub1	21.44	38.5	PASS
Band V	4132	HSDPA_Sub2	21.70	38.5	PASS
Band V	4132	HSDPA_Sub3	20.92	38.5	PASS
Band V	4132	HSDPA_Sub4	20.75	38.5	PASS
Band V	4182	HSDPA_Sub1	21.56	38.5	PASS
Band V	4182	HSDPA_Sub2	21.77	38.5	PASS
Band V	4182	HSDPA_Sub3	20.91	38.5	PASS
Band V	4182	HSDPA_Sub4	20.97	38.5	PASS
Band V	4233	HSDPA_Sub1	21.58	38.5	PASS
Band V	4233	HSDPA_Sub2	21.83	38.5	PASS
Band V	4233	HSDPA_Sub3	21.00	38.5	PASS
Band V	4233	HSDPA_Sub4	21.08	38.5	PASS

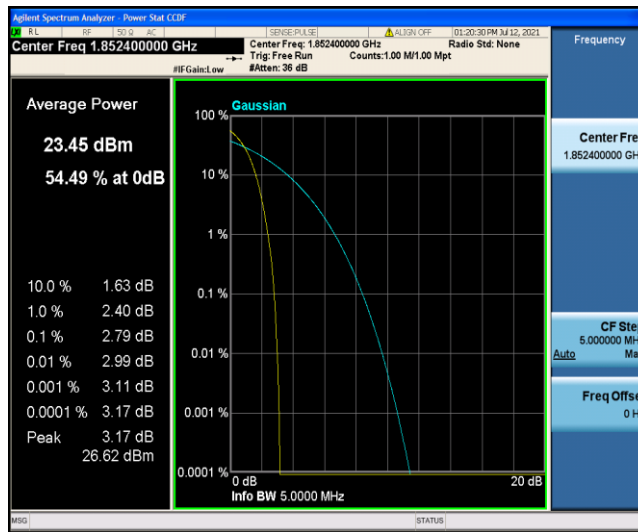
Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band II	9262	HSUPA_Sub1	19.28	33	PASS
Band II	9262	HSUPA_Sub2	19.45	33	PASS
Band II	9262	HSUPA_Sub3	19.16	33	PASS
Band II	9262	HSUPA_Sub4	19.55	33	PASS
Band II	9262	HSUPA_Sub5	22.46	33	PASS
Band II	9400	HSUPA_Sub1	19.05	33	PASS
Band II	9400	HSUPA_Sub2	19.27	33	PASS
Band II	9400	HSUPA_Sub3	18.99	33	PASS
Band II	9400	HSUPA_Sub4	19.33	33	PASS
Band II	9400	HSUPA_Sub5	22.22	33	PASS
Band II	9538	HSUPA_Sub1	18.73	33	PASS
Band II	9538	HSUPA_Sub2	18.96	33	PASS
Band II	9538	HSUPA_Sub3	18.75	33	PASS
Band II	9538	HSUPA_Sub4	19.06	33	PASS
Band II	9538	HSUPA_Sub5	22.00	33	PASS
Band V	4132	HSUPA_Sub1	17.94	38.5	PASS
Band V	4132	HSUPA_Sub2	18.08	38.5	PASS
Band V	4132	HSUPA_Sub3	18.33	38.5	PASS
Band V	4132	HSUPA_Sub4	18.24	38.5	PASS
Band V	4132	HSUPA_Sub5	21.93	38.5	PASS
Band V	4182	HSUPA_Sub1	18.32	38.5	PASS
Band V	4182	HSUPA_Sub2	18.41	38.5	PASS
Band V	4182	HSUPA_Sub3	18.68	38.5	PASS
Band V	4182	HSUPA_Sub4	18.58	38.5	PASS
Band V	4182	HSUPA_Sub5	22.15	38.5	PASS
Band V	4233	HSUPA_Sub1	18.22	38.5	PASS
Band V	4233	HSUPA_Sub2	18.33	38.5	PASS
Band V	4233	HSUPA_Sub3	18.61	38.5	PASS
Band V	4233	HSUPA_Sub4	18.46	38.5	PASS
Band V	4233	HSUPA_Sub5	22.18	38.5	PASS

8.2 Appendix B: Peak-to-Average Ratio

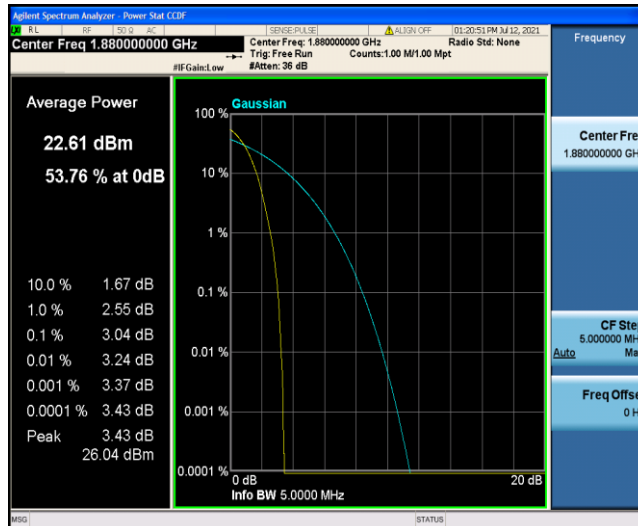
Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band II	9262	2.79	13	PASS
Band II	9400	3.04	13	PASS
Band II	9538	2.91	13	PASS
Band V	4132	3.01	13	PASS
Band V	4182	2.87	13	PASS
Band V	4233	2.99	13	PASS

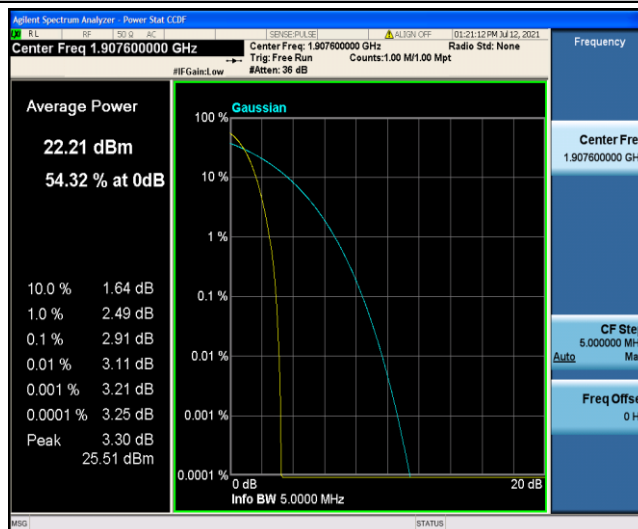
Test Graphs



Band II_9262



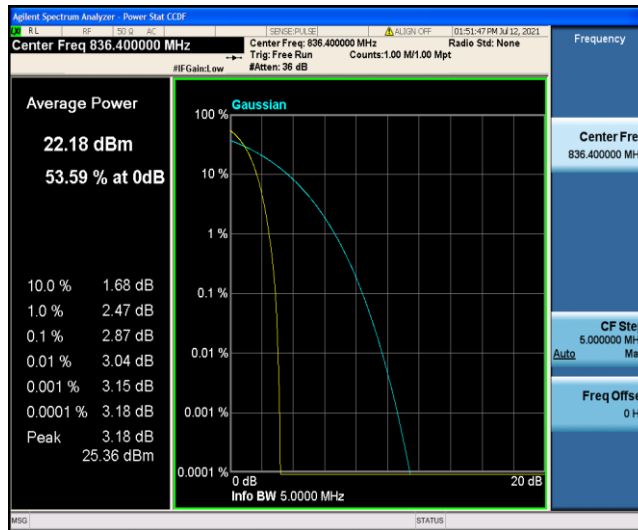
Band II_9400



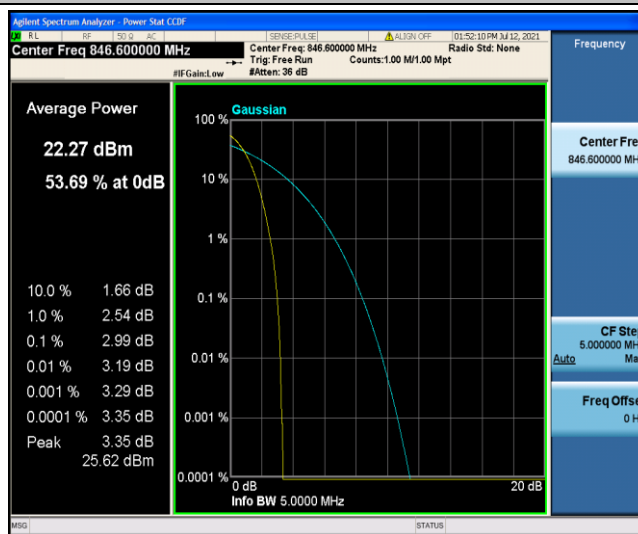
Band II_9538



Band V_4132



Band V_4182



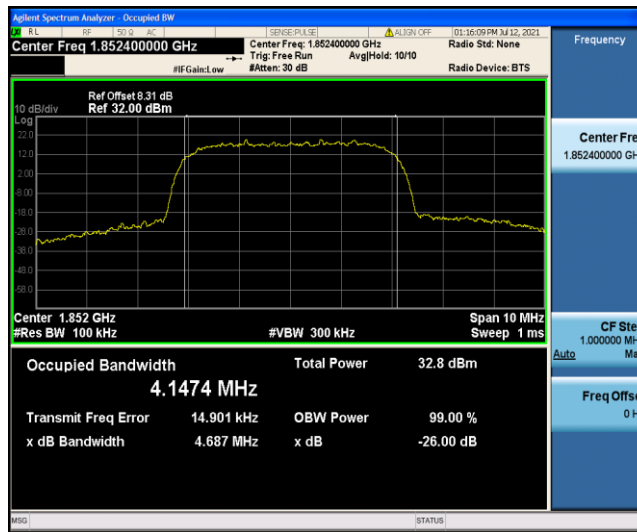
Band V_4233

8.3 Appendix C: 26dB Bandwidth and Occupied Bandwidth

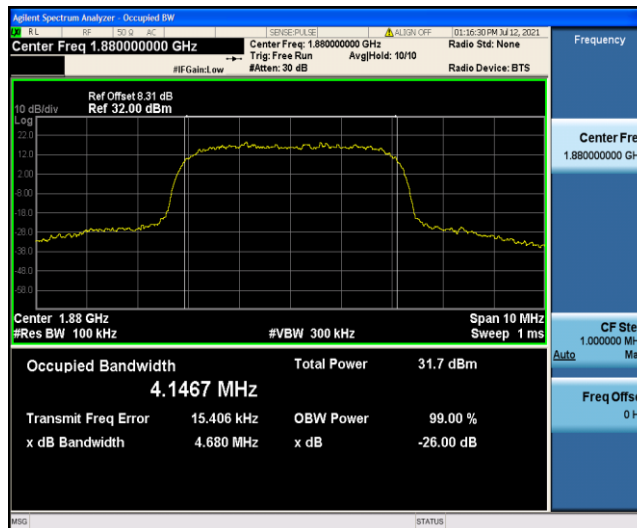
Test Result

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band II	9262	4147.4	4687	---	PASS
Band II	9400	4146.7	4680	---	PASS
Band II	9538	4134.8	4688	---	PASS
Band V	4132	4148.8	4680	---	PASS
Band V	4182	4153.7	4697	---	PASS
Band V	4233	4145.6	4674	---	PASS

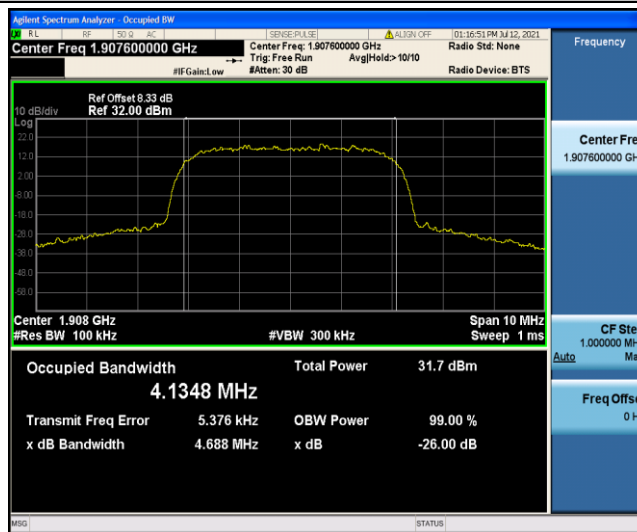
Test Graphs



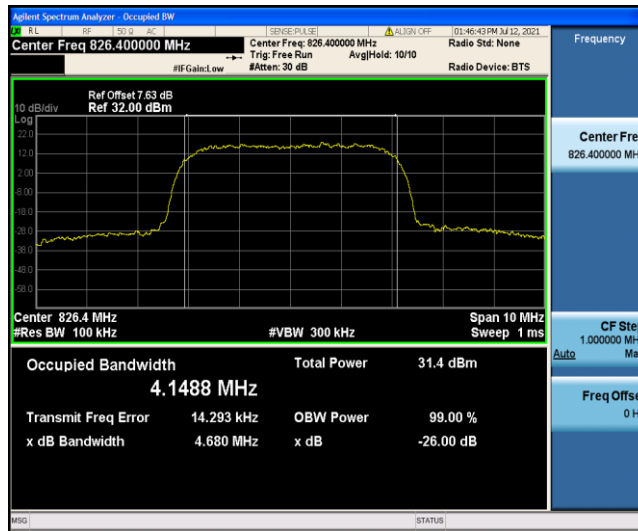
Band II_9262



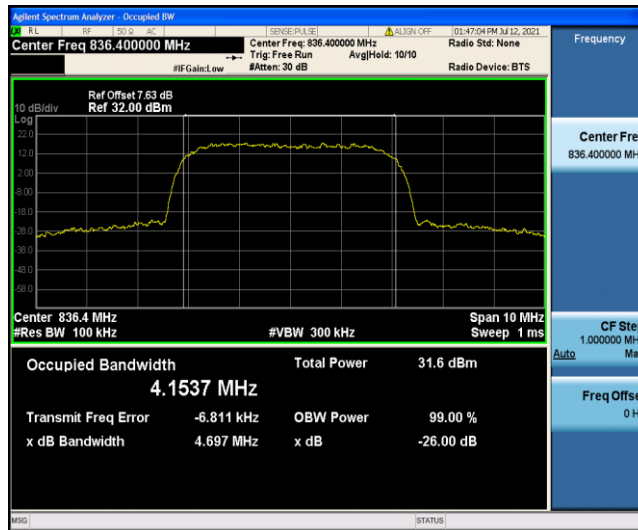
Band II_9400



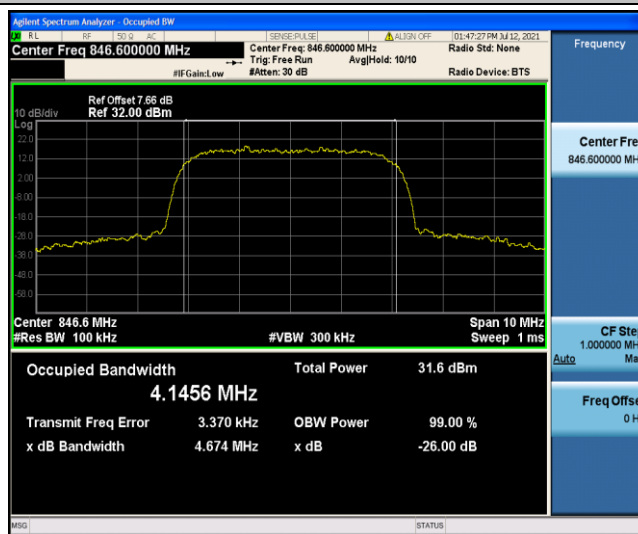
Band II_9538



Band V_4132



Band V_4182



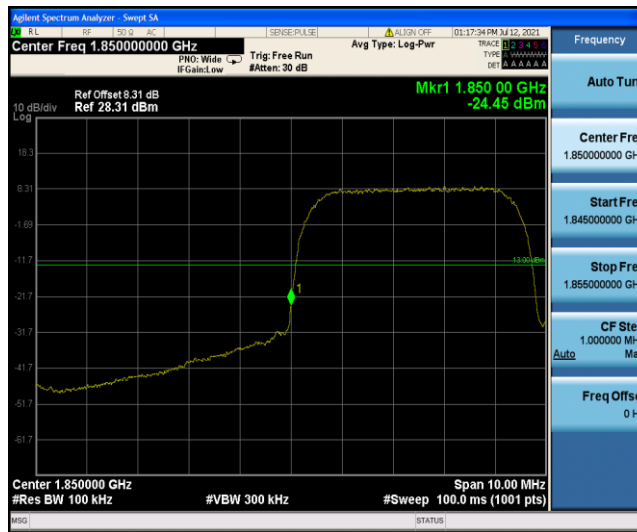
Band V_4233

8.4 Appendix D: Band Edge

Test Result

Band	Channel	Value(dBm)	Limit(dBm)	Verdict
Band II	9262	-24.45	-13	PASS
Band II	9538	-25.77	-13	PASS
Band V	4132	-27.01	-13	PASS
Band V	4233	-27.42	-13	PASS

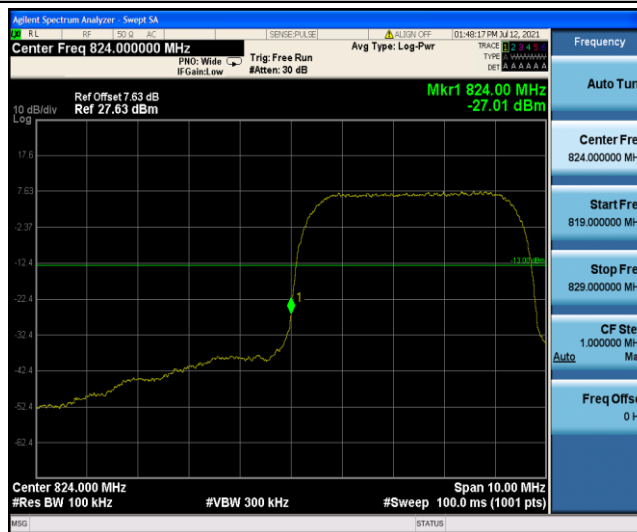
Test Graphs



Band II_9262



Band II_9538



Band V_4132



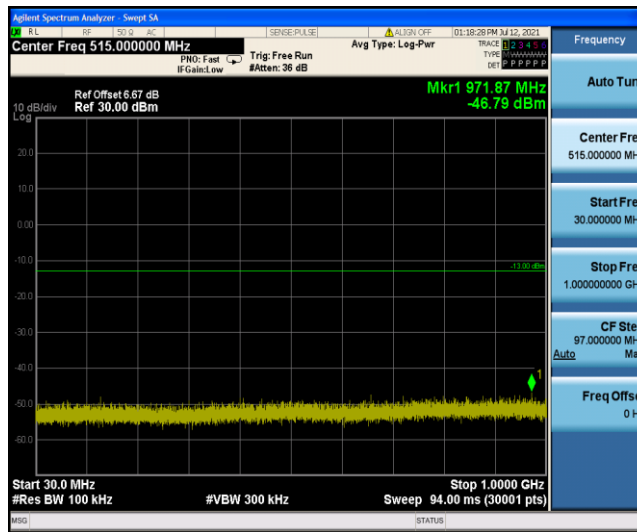
Band V_4233

8.5 Appendix E: Conducted Spurious Emission

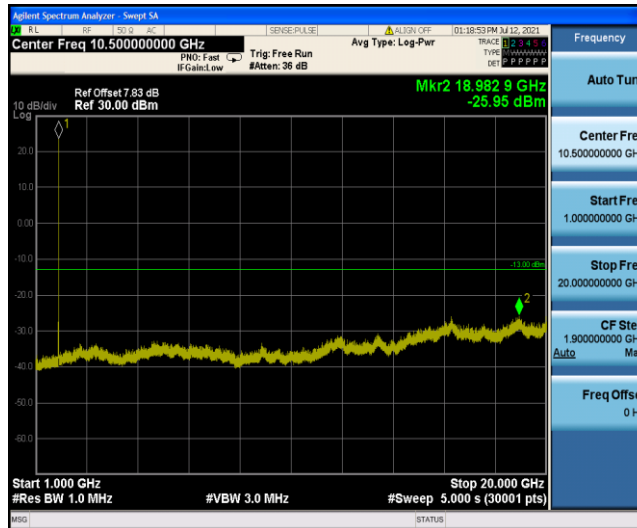
Test Result

Band	Channel	Frequency Rang(Mhz)	Value(dBm)	Limit(dBm)	Verdict
Band II	9262	30~1000	-46.79	-13	PASS
Band II	9262	1000~20000	-25.95	-13	PASS
Band II	9400	30~1000	-47.02	-13	PASS
Band II	9400	1000~20000	-26.23	-13	PASS
Band II	9538	30~1000	-47.65	-13	PASS
Band II	9538	1000~20000	-25.65	-13	PASS
Band V	4132	30~1000	-45.47	-13	PASS
Band V	4132	1000~10000	-32.58	-13	PASS
Band V	4182	30~1000	-46.81	-13	PASS
Band V	4182	1000~10000	-32.06	-13	PASS
Band V	4233	30~1000	-47.17	-13	PASS
Band V	4233	1000~10000	-32.55	-13	PASS

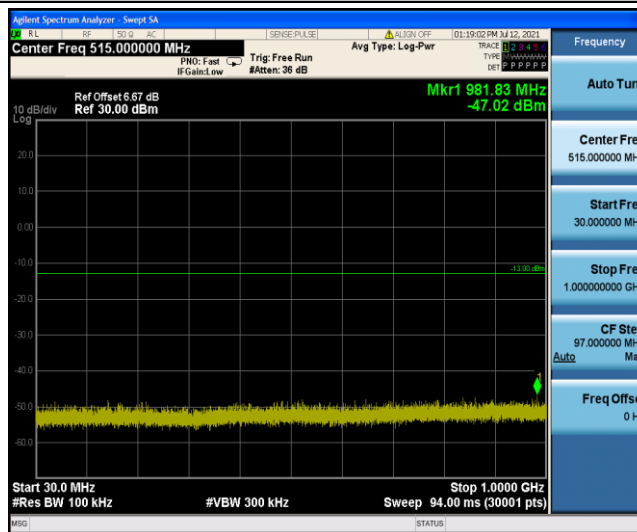
Test Graphs



Band II_9262



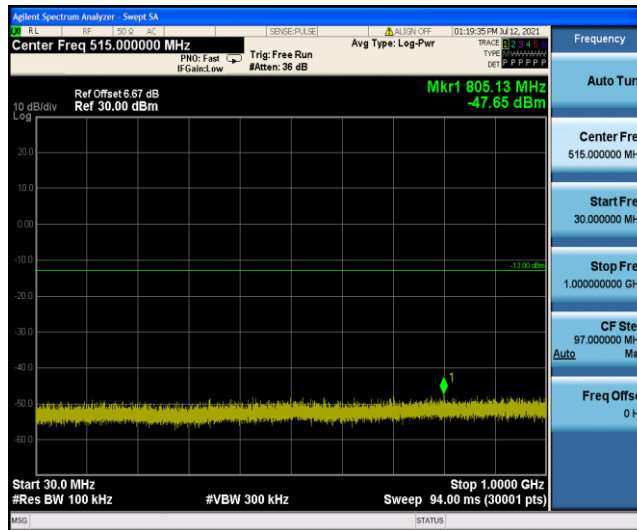
Band II_9262



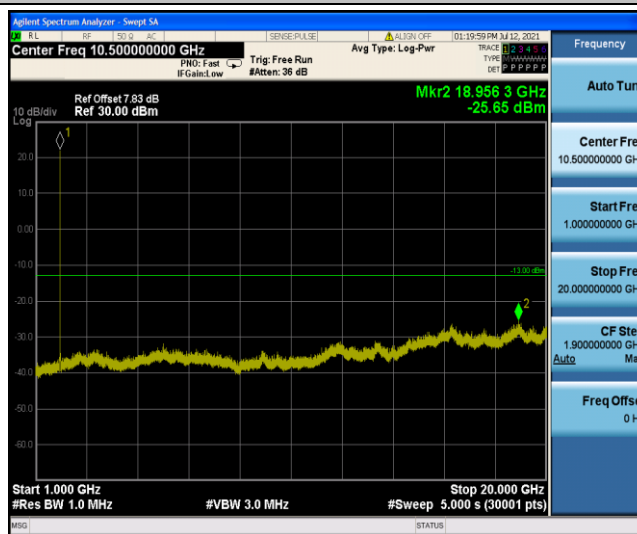
Band II_9400



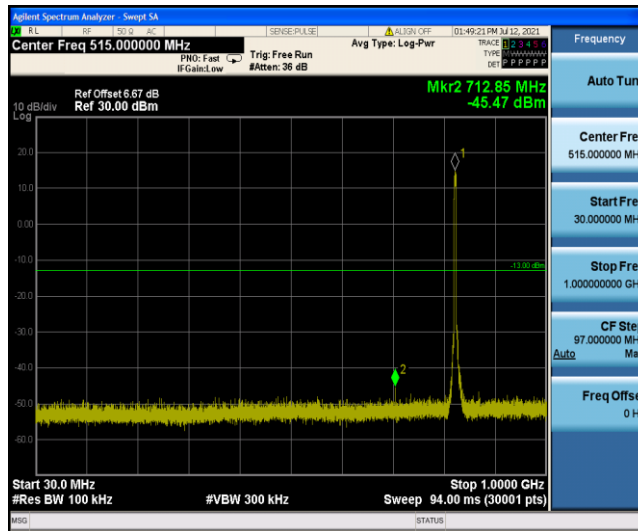
Band II_9400



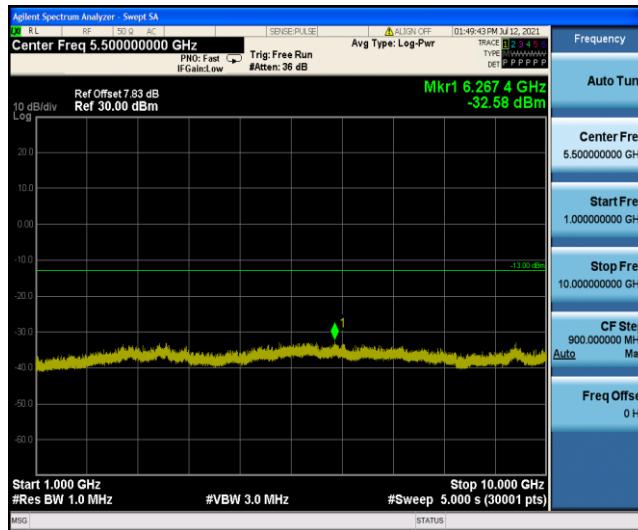
Band II_9538



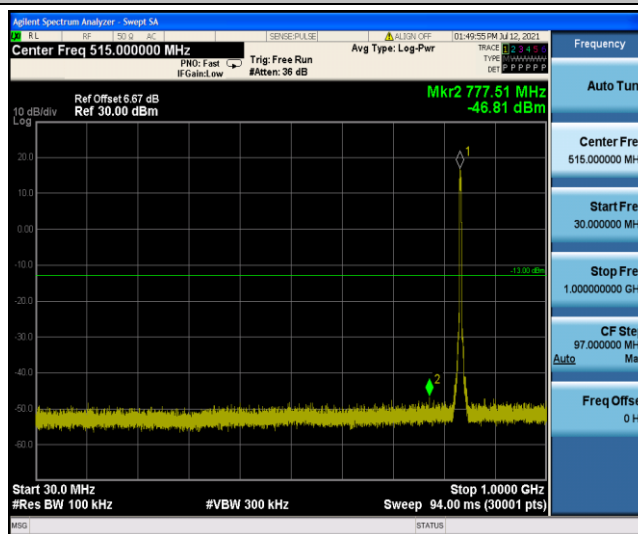
Band II_9538



Band V_4132



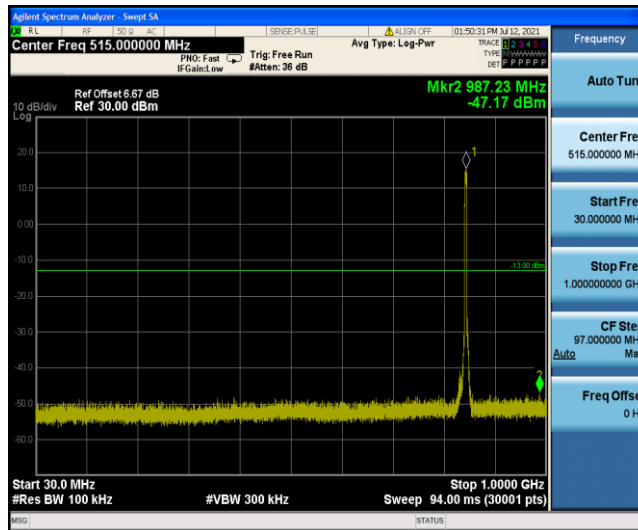
Band V_4132



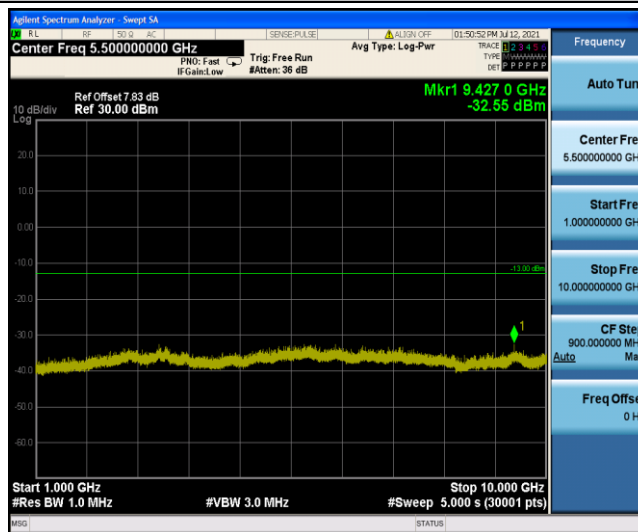
Band V_4182



Band V_4182



Band V_4233



Band V_4233

8.6 Appendix F: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band II	9262	VL	TN	-2.21	-0.001193	2.5	PASS
Band II	9262	VN	TN	-0.49	-0.000265	2.5	PASS
Band II	9262	VH	TN	0.76	0.000410	2.5	PASS
Band II	9400	VL	TN	-2.33	-0.001239	2.5	PASS
Band II	9400	VN	TN	-0.04	-0.000021	2.5	PASS
Band II	9400	VH	TN	0.46	0.000245	2.5	PASS
Band II	9538	VL	TN	0.24	0.000126	2.5	PASS
Band II	9538	VN	TN	-1.16	-0.000608	2.5	PASS
Band II	9538	VH	TN	0.94	0.000493	2.5	PASS
Band V	4132	VL	TN	5.20	0.006292	2.5	PASS
Band V	4132	VN	TN	7.24	0.008761	2.5	PASS
Band V	4132	VH	TN	4.23	0.005119	2.5	PASS
Band V	4182	VL	TN	0.11	0.000132	2.5	PASS
Band V	4182	VN	TN	1.98	0.002367	2.5	PASS
Band V	4182	VH	TN	-0.44	-0.000526	2.5	PASS
Band V	4233	VL	TN	-2.27	-0.002681	2.5	PASS
Band V	4233	VN	TN	0.77	0.000910	2.5	PASS
Band V	4233	VH	TN	0.04	0.000047	2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band II	9262	VN	-30	-2.50	-0.001350	2.5	PASS
Band II	9262	VN	-20	-0.77	-0.000416	2.5	PASS
Band II	9262	VN	-10	-3.59	-0.001938	2.5	PASS
Band II	9262	VN	0	1.08	0.000583	2.5	PASS
Band II	9262	VN	10	4.18	0.002257	2.5	PASS
Band II	9262	VN	20	1.21	0.000653	2.5	PASS
Band II	9262	VN	30	-1.29	-0.000696	2.5	PASS
Band II	9262	VN	40	2.46	0.001328	2.5	PASS
Band II	9262	VN	50	1.88	0.001015	2.5	PASS
Band II	9400	VN	-30	-1.58	-0.000840	2.5	PASS
Band II	9400	VN	-20	1.35	0.000718	2.5	PASS
Band II	9400	VN	-10	4.12	0.002191	2.5	PASS
Band II	9400	VN	0	2.61	0.001388	2.5	PASS
Band II	9400	VN	10	-1.24	-0.000660	2.5	PASS
Band II	9400	VN	20	-1.67	-0.000888	2.5	PASS
Band II	9400	VN	30	-0.54	-0.000287	2.5	PASS
Band II	9400	VN	40	-1.73	-0.000920	2.5	PASS
Band II	9400	VN	50	1.27	0.000676	2.5	PASS
Band II	9538	VN	-30	-1.65	-0.000865	2.5	PASS
Band II	9538	VN	-20	0.92	0.000482	2.5	PASS
Band II	9538	VN	-10	0.65	0.000341	2.5	PASS
Band II	9538	VN	0	-3.13	-0.001641	2.5	PASS
Band II	9538	VN	10	7.07	0.003706	2.5	PASS
Band II	9538	VN	20	-0.49	-0.000257	2.5	PASS
Band II	9538	VN	30	3.18	0.001667	2.5	PASS
Band II	9538	VN	40	0.81	0.000425	2.5	PASS
Band II	9538	VN	50	-1.85	-0.000970	2.5	PASS
Band V	4132	VN	-30	1.39	0.001682	2.5	PASS
Band V	4132	VN	-20	0.90	0.001089	2.5	PASS
Band V	4132	VN	-10	-1.77	-0.002142	2.5	PASS
Band V	4132	VN	0	0.39	0.000472	2.5	PASS
Band V	4132	VN	10	0.01	0.000012	2.5	PASS
Band V	4132	VN	20	2.53	0.003061	2.5	PASS
Band V	4132	VN	30	0.89	0.001077	2.5	PASS
Band V	4132	VN	40	1.57	0.001900	2.5	PASS
Band V	4132	VN	50	2.91	0.003521	2.5	PASS
Band V	4182	VN	-30	2.19	0.002618	2.5	PASS
Band V	4182	VN	-20	7.57	0.009051	2.5	PASS
Band V	4182	VN	-10	1.25	0.001495	2.5	PASS
Band V	4182	VN	0	0.74	0.000885	2.5	PASS
Band V	4182	VN	10	1.19	0.001423	2.5	PASS
Band V	4182	VN	20	0.17	0.000203	2.5	PASS
Band V	4182	VN	30	0.53	0.000634	2.5	PASS
Band V	4182	VN	40	1.89	0.002260	2.5	PASS
Band V	4182	VN	50	0.39	0.000466	2.5	PASS
Band V	4233	VN	-30	3.83	0.004524	2.5	PASS

Band V	4233	VN	-20	-1.86	-0.002197	2.5	PASS
Band V	4233	VN	-10	2.06	0.002433	2.5	PASS
Band V	4233	VN	0	0.56	0.000661	2.5	PASS
Band V	4233	VN	10	1.24	0.001465	2.5	PASS
Band V	4233	VN	20	-0.77	-0.000910	2.5	PASS
Band V	4233	VN	30	-4.84	-0.005717	2.5	PASS
Band V	4233	VN	40	-1.01	-0.001193	2.5	PASS
Band V	4233	VN	50	-1.92	-0.002268	2.5	PASS

-----End of the Report -----