

APPENDIX REPORT

Project No.	SHT2107001003EW	Radio Specification	WCDMA
Test sample No.	YPHT21070010040	Model No.	E506
Start test date	2021/7/9	Finish date	2021/7/9
Temperature	25.9°C	Humidity	29%
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	22.53	33	PASS
Band II	9400	22.20	33	PASS
Band II	9538	22.22	33	PASS
Band V	4132	22.74	38.5	PASS
Band V	4182	23.28	38.5	PASS
Band V	4233	22.59	38.5	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band II	9262	HSDPA_Sub1	21.93	33	PASS
Band II	9262	HSDPA_Sub2	21.52	33	PASS
Band II	9262	HSDPA_Sub3	21.19	33	PASS
Band II	9262	HSDPA_Sub4	21.01	33	PASS
Band II	9400	HSDPA_Sub1	21.67	33	PASS
Band II	9400	HSDPA_Sub2	21.23	33	PASS
Band II	9400	HSDPA_Sub3	20.89	33	PASS
Band II	9400	HSDPA_Sub4	20.73	33	PASS
Band II	9538	HSDPA_Sub1	21.59	33	PASS
Band II	9538	HSDPA_Sub2	21.24	33	PASS
Band II	9538	HSDPA_Sub3	20.90	33	PASS
Band II	9538	HSDPA_Sub4	20.81	33	PASS
Band V	4132	HSDPA_Sub1	21.93	38.5	PASS
Band V	4132	HSDPA_Sub2	22.17	38.5	PASS
Band V	4132	HSDPA_Sub3	21.35	38.5	PASS
Band V	4132	HSDPA_Sub4	21.37	38.5	PASS
Band V	4182	HSDPA_Sub1	22.62	38.5	PASS
Band V	4182	HSDPA_Sub2	22.74	38.5	PASS
Band V	4182	HSDPA_Sub3	21.98	38.5	PASS
Band V	4182	HSDPA_Sub4	22.02	38.5	PASS
Band V	4233	HSDPA_Sub1	21.87	38.5	PASS
Band V	4233	HSDPA_Sub2	22.12	38.5	PASS
Band V	4233	HSDPA_Sub3	21.25	38.5	PASS
Band V	4233	HSDPA_Sub4	21.29	38.5	PASS

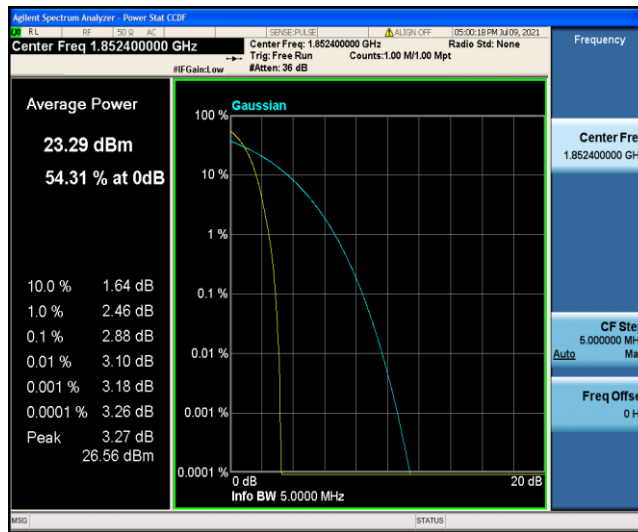
Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band II	9262	HSUPA_Sub1	19.43	33	PASS
Band II	9262	HSUPA_Sub2	19.45	33	PASS
Band II	9262	HSUPA_Sub3	19.30	33	PASS
Band II	9262	HSUPA_Sub4	19.49	33	PASS
Band II	9262	HSUPA_Sub5	22.53	33	PASS
Band II	9400	HSUPA_Sub1	19.05	33	PASS
Band II	9400	HSUPA_Sub2	19.24	33	PASS
Band II	9400	HSUPA_Sub3	18.94	33	PASS
Band II	9400	HSUPA_Sub4	19.27	33	PASS
Band II	9400	HSUPA_Sub5	22.44	33	PASS
Band II	9538	HSUPA_Sub1	19.13	33	PASS
Band II	9538	HSUPA_Sub2	19.31	33	PASS
Band II	9538	HSUPA_Sub3	19.06	33	PASS
Band II	9538	HSUPA_Sub4	19.42	33	PASS
Band II	9538	HSUPA_Sub5	22.39	33	PASS
Band V	4132	HSUPA_Sub1	18.78	38.5	PASS
Band V	4132	HSUPA_Sub2	18.84	38.5	PASS
Band V	4132	HSUPA_Sub3	19.03	38.5	PASS
Band V	4132	HSUPA_Sub4	18.99	38.5	PASS
Band V	4132	HSUPA_Sub5	22.53	38.5	PASS
Band V	4182	HSUPA_Sub1	19.30	38.5	PASS
Band V	4182	HSUPA_Sub2	19.55	38.5	PASS
Band V	4182	HSUPA_Sub3	19.69	38.5	PASS
Band V	4182	HSUPA_Sub4	19.62	38.5	PASS
Band V	4182	HSUPA_Sub5	23.05	38.5	PASS
Band V	4233	HSUPA_Sub1	18.76	38.5	PASS
Band V	4233	HSUPA_Sub2	18.93	38.5	PASS
Band V	4233	HSUPA_Sub3	19.02	38.5	PASS
Band V	4233	HSUPA_Sub4	19.01	38.5	PASS
Band V	4233	HSUPA_Sub5	22.53	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	2.88	13	PASS
Band II	9400	2.95	13	PASS
Band II	9538	2.90	13	PASS
Band V	4132	3.16	13	PASS
Band V	4182	2.89	13	PASS
Band V	4233	3.14	13	PASS

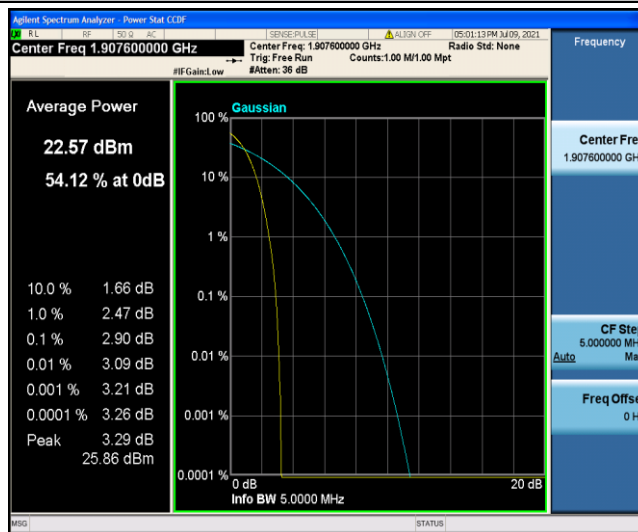
Test Graphs



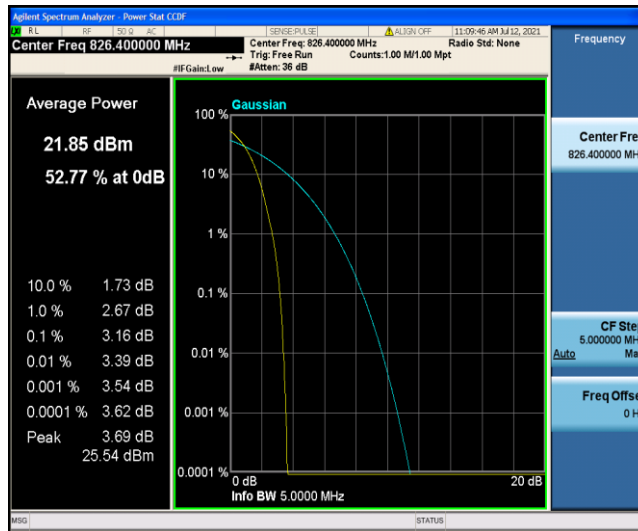
Band II_9262



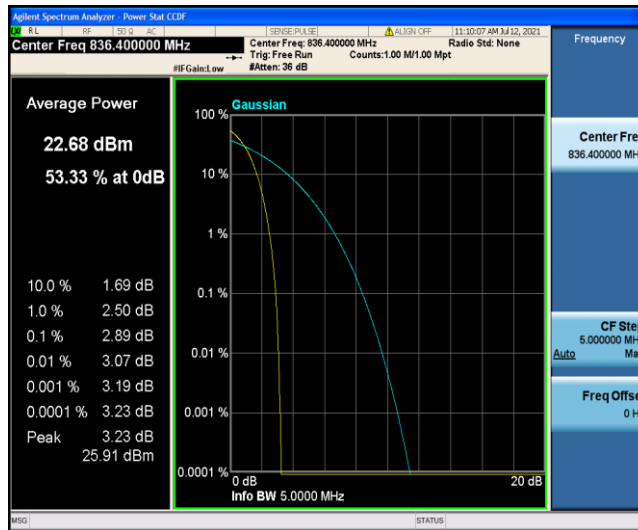
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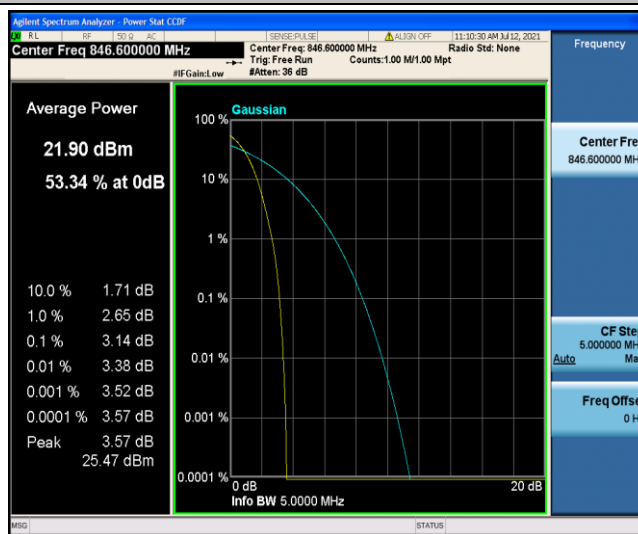
Band II_9538



Band V_4132



Band V_4182



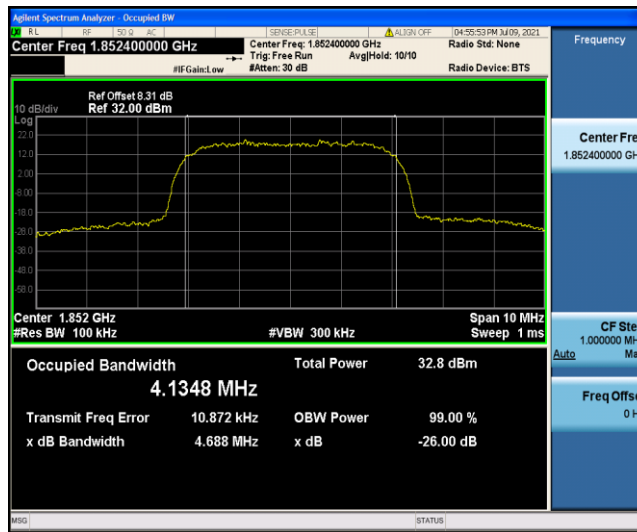
Band V_4233

8.3 Appendix C: 26dB Bandwidth and Occupied Bandwidth

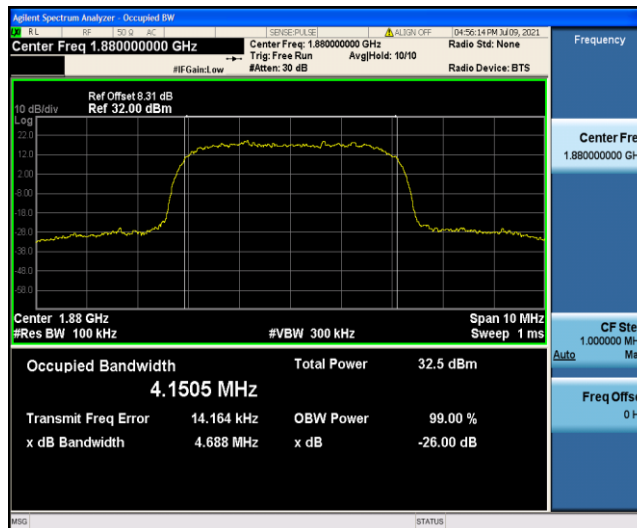
Test Result

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band II	9262	4134.8	4688	---	PASS
Band II	9400	4150.5	4688	---	PASS
Band II	9538	4145.1	4667	---	PASS
Band V	4132	4141.3	4669	---	PASS
Band V	4182	4141.5	4689	---	PASS
Band V	4233	4147.3	4678	---	PASS

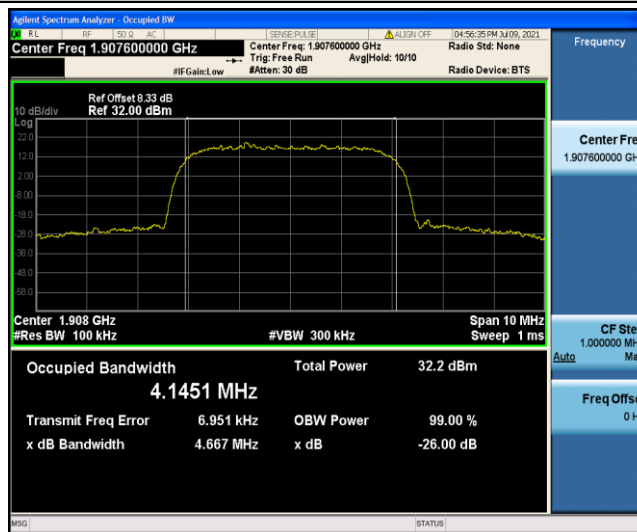
Test Graphs



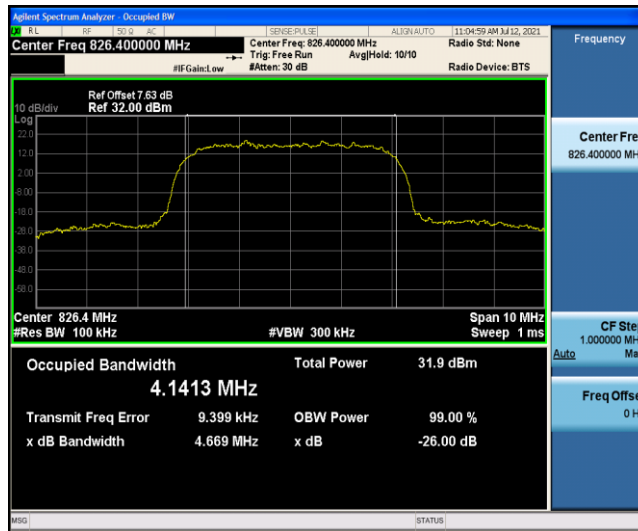
Band II_9262



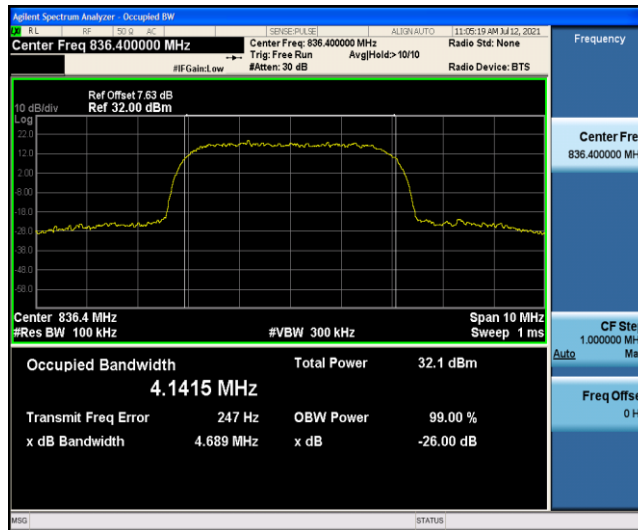
Band II_9400



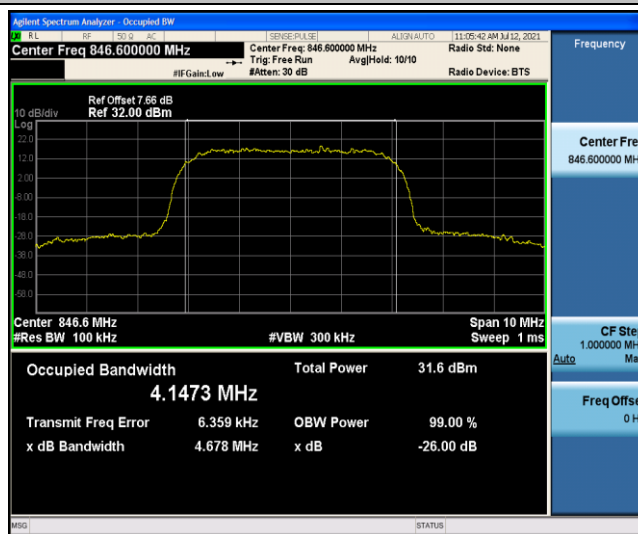
Band II_9538



Band V_4132



Band V_4182



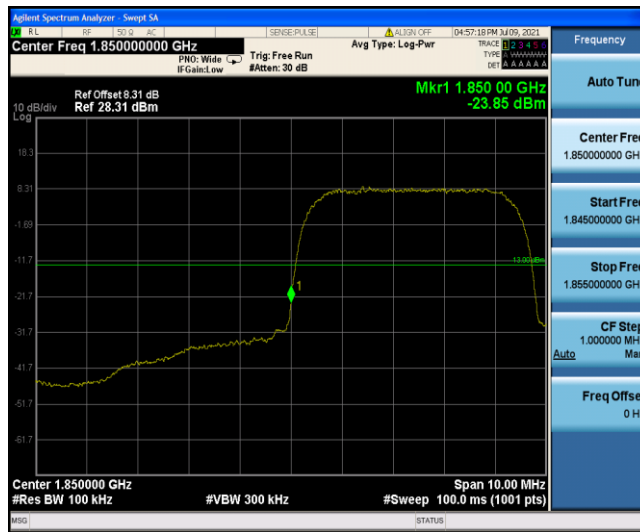
Band V_4233

8.4 Appendix D: Band Edge

Test Result

Band	Channel	Value(dBm)	Limit(dBm)	Verdict
Band II	9262	-23.85	-13	PASS
Band II	9538	-26.84	-13	PASS
Band V	4132	-26.37	-13	PASS
Band V	4233	-27.12	-13	PASS

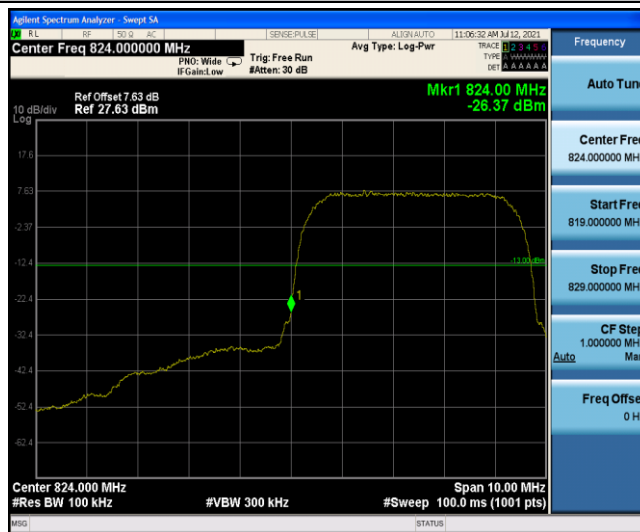
Test Graphs



Band II_9262



Band II_9538



Band V_4132



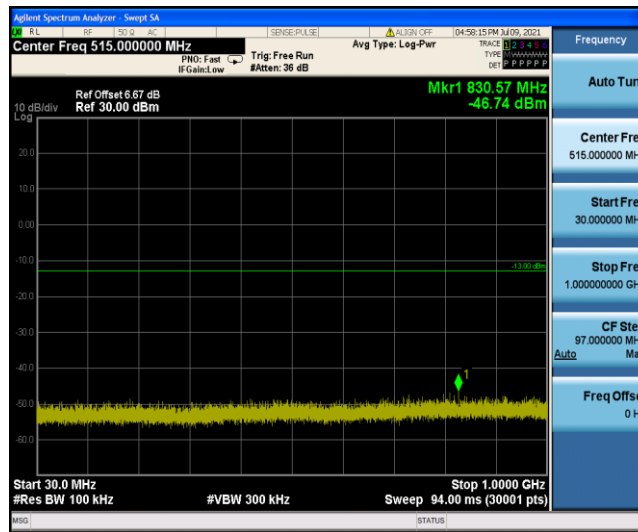
Band V_4233

8.5 Appendix E: Conducted Spurious Emission

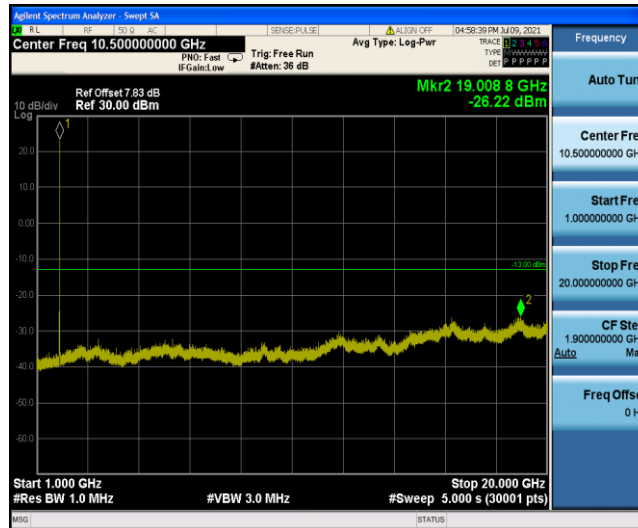
Test Result

Band	Channel	Frequency Rang(Mhz)	Value(dBm)	Limit(dBm)	Verdict
Band II	9262	30~1000	-46.74	-13	PASS
Band II	9262	1000~20000	-26.22	-13	PASS
Band II	9400	30~1000	-46.85	-13	PASS
Band II	9400	1000~20000	-24.92	-13	PASS
Band II	9538	30~1000	-47.00	-13	PASS
Band II	9538	1000~20000	-26.30	-13	PASS
Band V	4132	30~1000	-46.58	-13	PASS
Band V	4132	1000~10000	-29.24	-13	PASS
Band V	4182	30~1000	-46.27	-13	PASS
Band V	4182	1000~10000	-28.42	-13	PASS
Band V	4233	30~1000	-46.93	-13	PASS
Band V	4233	1000~10000	-28.28	-13	PASS

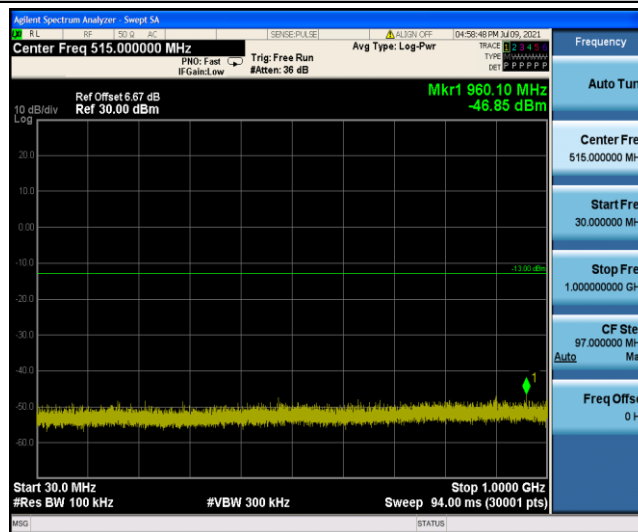
Test Graphs



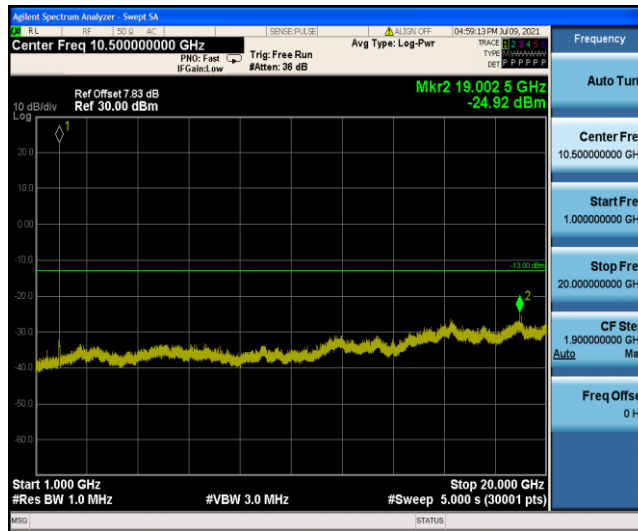
Band II_9262



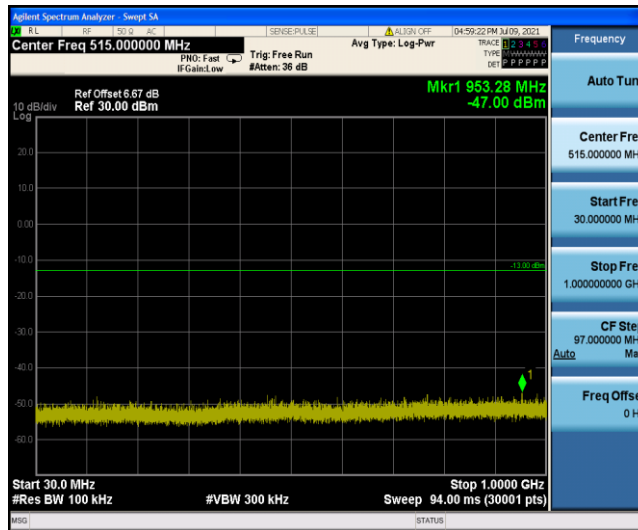
Band II_9262



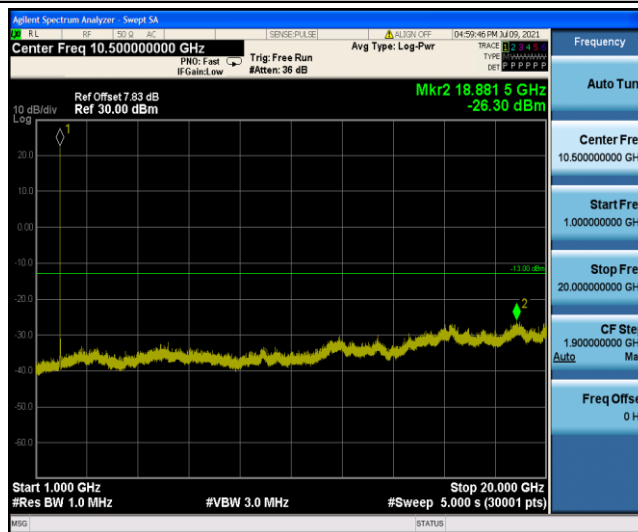
Band II_9400



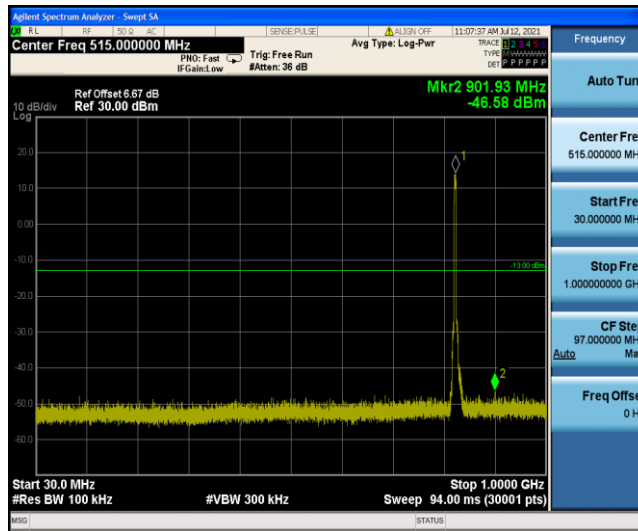
Band II_9400



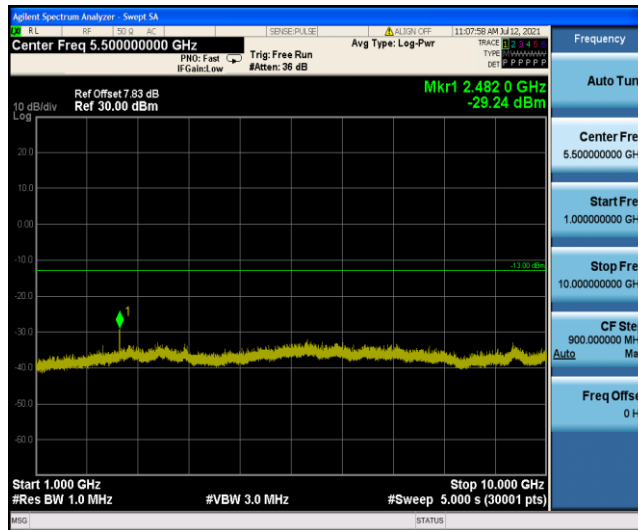
Band II_9538



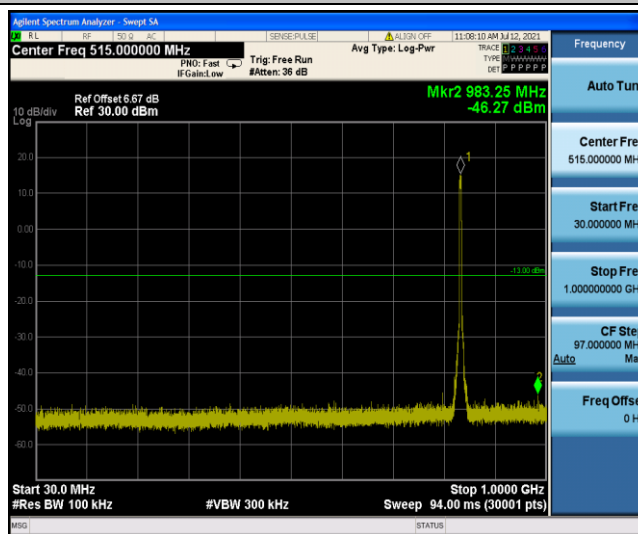
Band II_9538



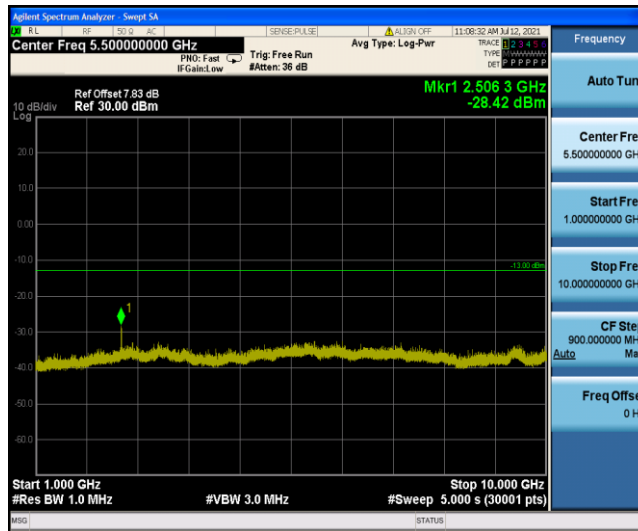
Band V_4132



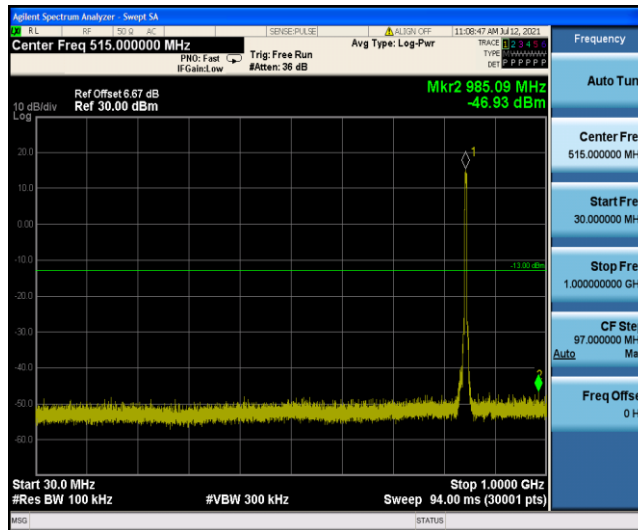
Band V_4132



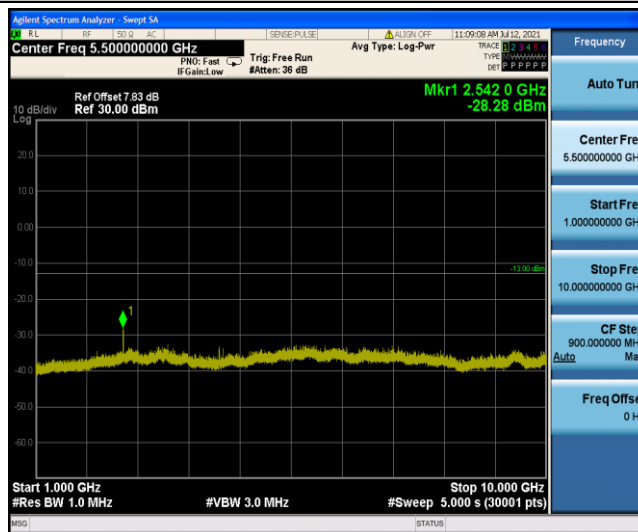
Band V_4182



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	-1.53	-0.000826	2.5	PASS
Band II	9262	VN	TN	1.08	0.000583	2.5	PASS
Band II	9262	VH	TN	-3.73	-0.002014	2.5	PASS
Band II	9400	VL	TN	-1.86	-0.000989	2.5	PASS
Band II	9400	VN	TN	-2.90	-0.001543	2.5	PASS
Band II	9400	VH	TN	-0.74	-0.000394	2.5	PASS
Band II	9538	VL	TN	4.76	0.002495	2.5	PASS
Band II	9538	VN	TN	-1.13	-0.000592	2.5	PASS
Band II	9538	VH	TN	1.52	0.000797	2.5	PASS
Band V	4132	VL	TN	-1.79	-0.002166	2.5	PASS
Band V	4132	VN	TN	-0.19	-0.000230	2.5	PASS
Band V	4132	VH	TN	-0.74	-0.000895	2.5	PASS
Band V	4182	VL	TN	0.45	0.000538	2.5	PASS
Band V	4182	VN	TN	0.20	0.000239	2.5	PASS
Band V	4182	VH	TN	0.11	0.000132	2.5	PASS
Band V	4233	VL	TN	0.76	0.000898	2.5	PASS
Band V	4233	VN	TN	0.59	0.000697	2.5	PASS
Band V	4233	VH	TN	0.03	0.000035	2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band II	9262	VN	-30	-6.86	-0.003703	2.5	PASS
Band II	9262	VN	-20	0.27	0.000146	2.5	PASS
Band II	9262	VN	-10	-7.02	-0.003790	2.5	PASS
Band II	9262	VN	0	-1.23	-0.000664	2.5	PASS
Band II	9262	VN	10	-0.20	-0.000108	2.5	PASS
Band II	9262	VN	20	0.63	0.000340	2.5	PASS
Band II	9262	VN	30	-0.92	-0.000497	2.5	PASS
Band II	9262	VN	40	1.99	0.001074	2.5	PASS
Band II	9262	VN	50	4.62	0.002494	2.5	PASS
Band II	9400	VN	-30	1.69	0.000899	2.5	PASS
Band II	9400	VN	-20	-2.61	-0.001388	2.5	PASS
Band II	9400	VN	-10	-4.19	-0.002229	2.5	PASS
Band II	9400	VN	0	-3.50	-0.001862	2.5	PASS
Band II	9400	VN	10	-1.62	-0.000862	2.5	PASS
Band II	9400	VN	20	1.47	0.000782	2.5	PASS
Band II	9400	VN	30	-1.59	-0.000846	2.5	PASS
Band II	9400	VN	40	-0.70	-0.000372	2.5	PASS
Band II	9400	VN	50	1.12	0.000596	2.5	PASS
Band II	9538	VN	-30	-1.26	-0.000661	2.5	PASS
Band II	9538	VN	-20	-1.23	-0.000645	2.5	PASS
Band II	9538	VN	-10	3.05	0.001599	2.5	PASS
Band II	9538	VN	0	-0.48	-0.000252	2.5	PASS
Band II	9538	VN	10	-0.27	-0.000142	2.5	PASS
Band II	9538	VN	20	0.36	0.000189	2.5	PASS
Band II	9538	VN	30	3.39	0.001777	2.5	PASS
Band II	9538	VN	40	-0.01	-0.000005	2.5	PASS
Band II	9538	VN	50	-0.62	-0.000325	2.5	PASS
Band V	4132	VN	-30	-3.25	-0.003933	2.5	PASS
Band V	4132	VN	-20	-2.30	-0.002783	2.5	PASS
Band V	4132	VN	-10	3.43	0.004151	2.5	PASS
Band V	4132	VN	0	2.43	0.002940	2.5	PASS
Band V	4132	VN	10	0.84	0.001016	2.5	PASS
Band V	4132	VN	20	-0.80	-0.000968	2.5	PASS
Band V	4132	VN	30	-0.94	-0.001137	2.5	PASS
Band V	4132	VN	40	-0.06	-0.000073	2.5	PASS
Band V	4132	VN	50	-0.09	-0.000109	2.5	PASS
Band V	4182	VN	-30	-0.03	-0.000036	2.5	PASS
Band V	4182	VN	-20	3.42	0.004089	2.5	PASS
Band V	4182	VN	-10	2.13	0.002547	2.5	PASS
Band V	4182	VN	0	0.25	0.000299	2.5	PASS
Band V	4182	VN	10	3.82	0.004567	2.5	PASS
Band V	4182	VN	20	-4.12	-0.004926	2.5	PASS
Band V	4182	VN	30	-1.05	-0.001255	2.5	PASS
Band V	4182	VN	40	-0.38	-0.000454	2.5	PASS
Band V	4182	VN	50	1.20	0.001435	2.5	PASS
Band V	4233	VN	-30	3.38	0.003992	2.5	PASS

Band V	4233	VN	-20	-1.22	-0.001441	2.5	PASS
Band V	4233	VN	-10	-0.54	-0.000638	2.5	PASS
Band V	4233	VN	0	1.06	0.001252	2.5	PASS
Band V	4233	VN	10	1.24	0.001465	2.5	PASS
Band V	4233	VN	20	-0.29	-0.000343	2.5	PASS
Band V	4233	VN	30	-1.62	-0.001914	2.5	PASS
Band V	4233	VN	40	0.10	0.000118	2.5	PASS
Band V	4233	VN	50	1.58	0.001866	2.5	PASS

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