

# APPENDIX REPORT

Project No.	SHT2107050401EW	Radio Specification	WCDMA
Test sample No.	YPHT21070504003	Model No.	C60 Ultra
Start test date	2021-07-22	Finish date	2021-07-22
Temperature	26.6°C	Humidity	39%
Test Engineer	Weiyang Xiang	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	22.95	33	PASS
Band II	9400	23.11	33	PASS
Band II	9538	23.07	33	PASS
Band V	4132	22.72	38.5	PASS
Band V	4182	22.86	38.5	PASS
Band V	4233	22.91	38.5	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band II	9262	HSDPA_Sub1	22.61	33	PASS
Band II	9262	HSDPA_Sub2	22.31	33	PASS
Band II	9262	HSDPA_Sub3	22.47	33	PASS
Band II	9262	HSDPA_Sub4	22.13	33	PASS
Band II	9400	HSDPA_Sub1	22.59	33	PASS
Band II	9400	HSDPA_Sub2	22.25	33	PASS
Band II	9400	HSDPA_Sub3	22.40	33	PASS
Band II	9400	HSDPA_Sub4	22.06	33	PASS
Band II	9538	HSDPA_Sub1	22.29	33	PASS
Band II	9538	HSDPA_Sub2	21.98	33	PASS
Band II	9538	HSDPA_Sub3	22.13	33	PASS
Band II	9538	HSDPA_Sub4	21.79	33	PASS
Band V	4132	HSDPA_Sub1	22.10	38.5	PASS
Band V	4132	HSDPA_Sub2	21.86	38.5	PASS
Band V	4132	HSDPA_Sub3	21.60	38.5	PASS
Band V	4132	HSDPA_Sub4	21.54	38.5	PASS
Band V	4182	HSDPA_Sub1	21.84	38.5	PASS
Band V	4182	HSDPA_Sub2	21.56	38.5	PASS
Band V	4182	HSDPA_Sub3	21.26	38.5	PASS
Band V	4182	HSDPA_Sub4	21.18	38.5	PASS
Band V	4233	HSDPA_Sub1	22.30	38.5	PASS
Band V	4233	HSDPA_Sub2	22.05	38.5	PASS
Band V	4233	HSDPA_Sub3	21.74	38.5	PASS
Band V	4233	HSDPA_Sub4	21.64	38.5	PASS

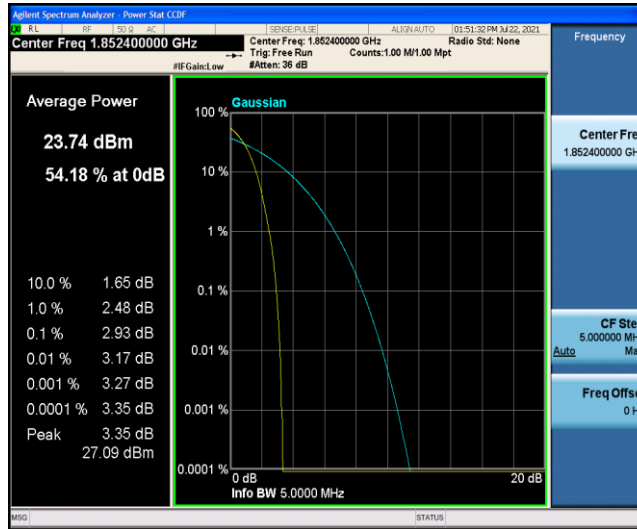
Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band II	9262	HSUPA_Sub1	20.32	33	PASS
Band II	9262	HSUPA_Sub2	20.74	33	PASS
Band II	9262	HSUPA_Sub3	20.50	33	PASS
Band II	9262	HSUPA_Sub4	20.80	33	PASS
Band II	9262	HSUPA_Sub5	22.74	33	PASS
Band II	9400	HSUPA_Sub1	20.20	33	PASS
Band II	9400	HSUPA_Sub2	20.68	33	PASS
Band II	9400	HSUPA_Sub3	20.44	33	PASS
Band II	9400	HSUPA_Sub4	20.73	33	PASS
Band II	9400	HSUPA_Sub5	22.70	33	PASS
Band II	9538	HSUPA_Sub1	20.03	33	PASS
Band II	9538	HSUPA_Sub2	20.40	33	PASS
Band II	9538	HSUPA_Sub3	20.21	33	PASS
Band II	9538	HSUPA_Sub4	20.48	33	PASS
Band II	9538	HSUPA_Sub5	22.48	33	PASS
Band V	4132	HSUPA_Sub1	20.57	38.5	PASS
Band V	4132	HSUPA_Sub2	20.65	38.5	PASS
Band V	4132	HSUPA_Sub3	20.44	38.5	PASS
Band V	4132	HSUPA_Sub4	20.34	38.5	PASS
Band V	4132	HSUPA_Sub5	22.13	38.5	PASS
Band V	4182	HSUPA_Sub1	20.38	38.5	PASS
Band V	4182	HSUPA_Sub2	20.45	38.5	PASS
Band V	4182	HSUPA_Sub3	20.25	38.5	PASS
Band V	4182	HSUPA_Sub4	20.15	38.5	PASS
Band V	4182	HSUPA_Sub5	21.83	38.5	PASS
Band V	4233	HSUPA_Sub1	20.76	38.5	PASS
Band V	4233	HSUPA_Sub2	20.80	38.5	PASS
Band V	4233	HSUPA_Sub3	20.60	38.5	PASS
Band V	4233	HSUPA_Sub4	20.50	38.5	PASS
Band V	4233	HSUPA_Sub5	22.30	38.5	PASS

## 8.2 Appendix B: Peak-to-Average Ratio

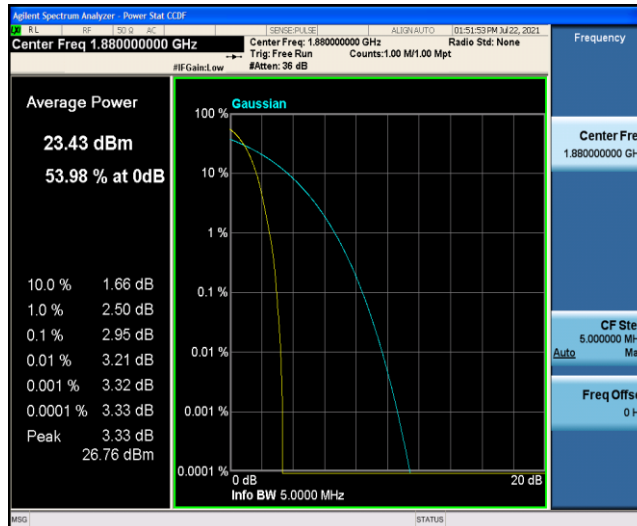
### Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band II	9262	2.93	13	PASS
Band II	9400	2.95	13	PASS
Band II	9538	2.95	13	PASS
Band V	4132	2.96	13	PASS
Band V	4182	2.98	13	PASS
Band V	4233	2.95	13	PASS

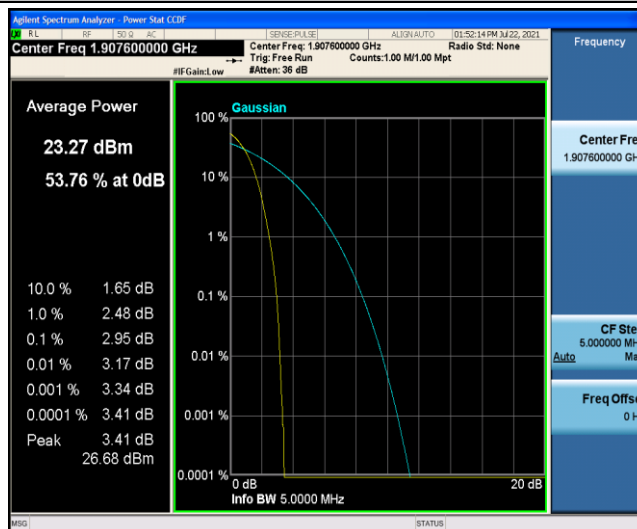
Test Graphs



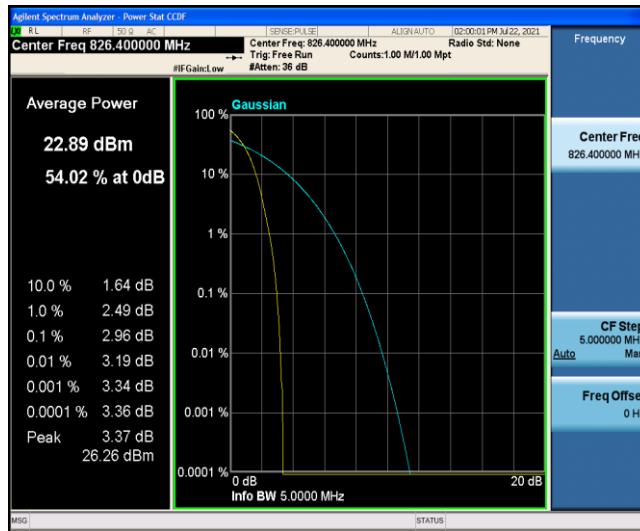
Band II\_9262



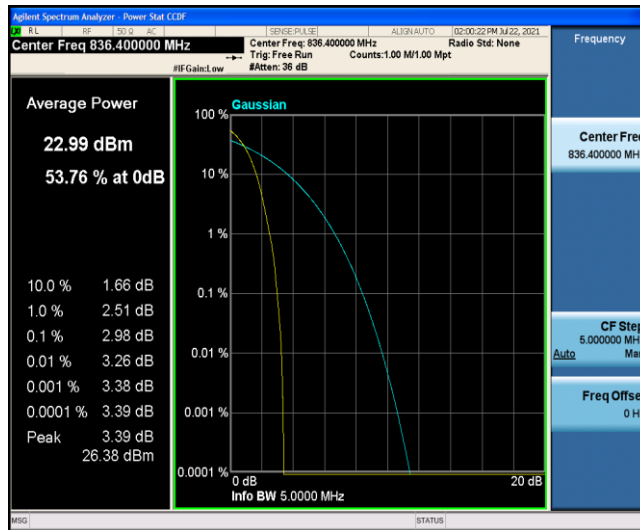
Band II\_9400



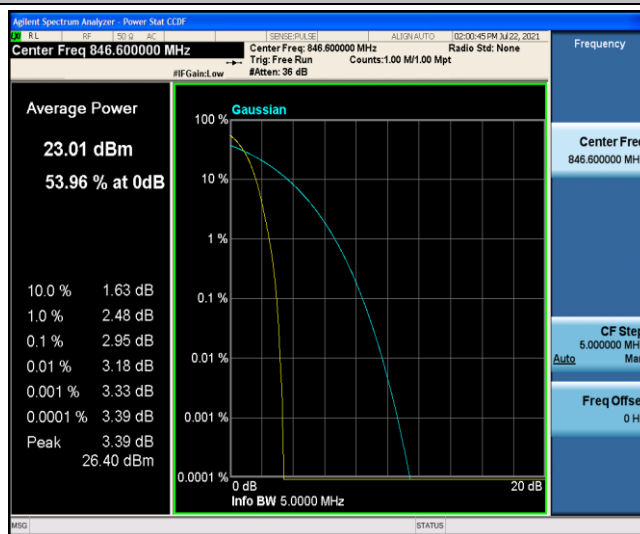
Band II\_9538



Band V\_4132



Band V\_4182



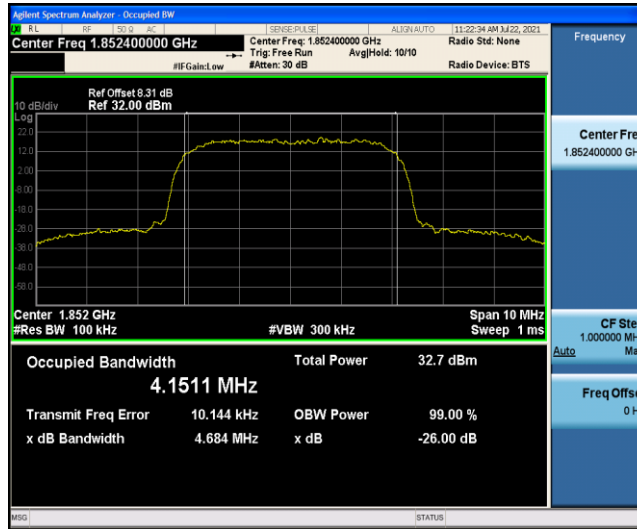
Band V\_4233

### 8.3 Appendix C: 26dB Bandwidth and Occupied Bandwidth

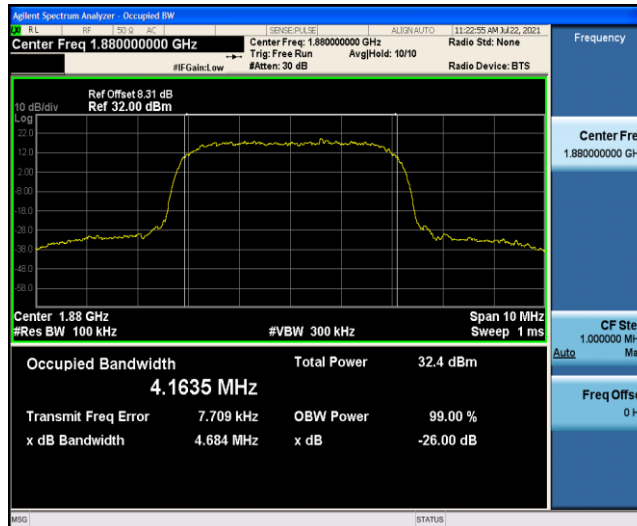
#### Test Result

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band II	9262	4151.1	4684	---	PASS
Band II	9400	4163.5	4684	---	PASS
Band II	9538	4151.1	4681	---	PASS
Band V	4132	4152.6	4688	---	PASS
Band V	4182	4151.9	4685	---	PASS
Band V	4233	4153.9	4711	---	PASS

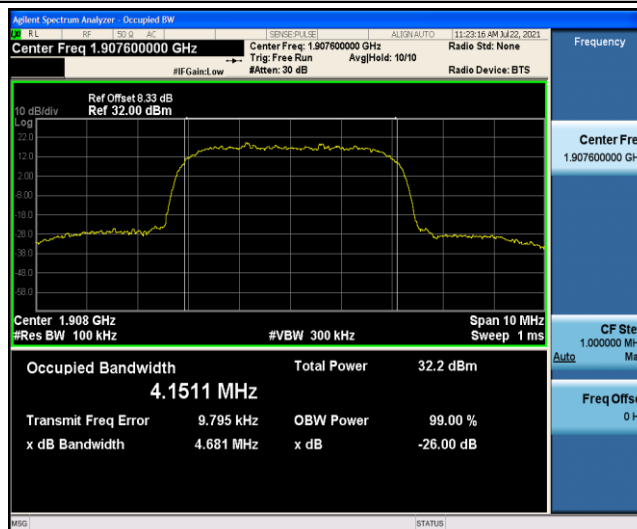
Test Graphs



Band II\_9262

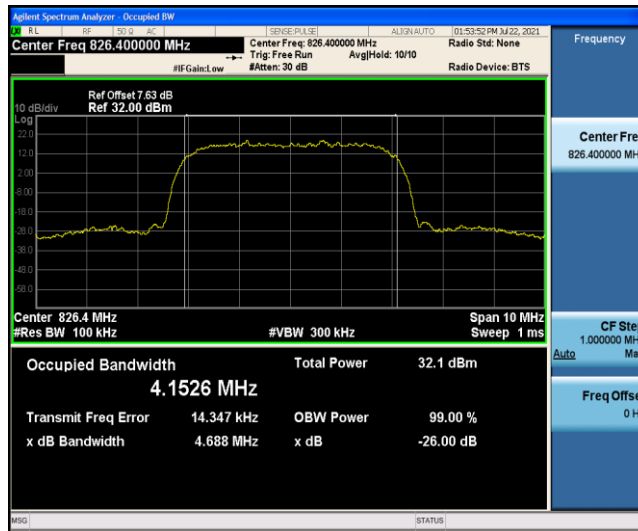


Band II\_9400

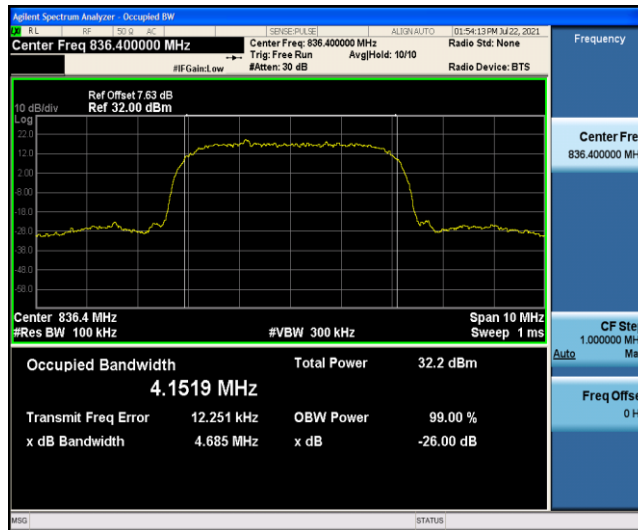


Band II\_9538

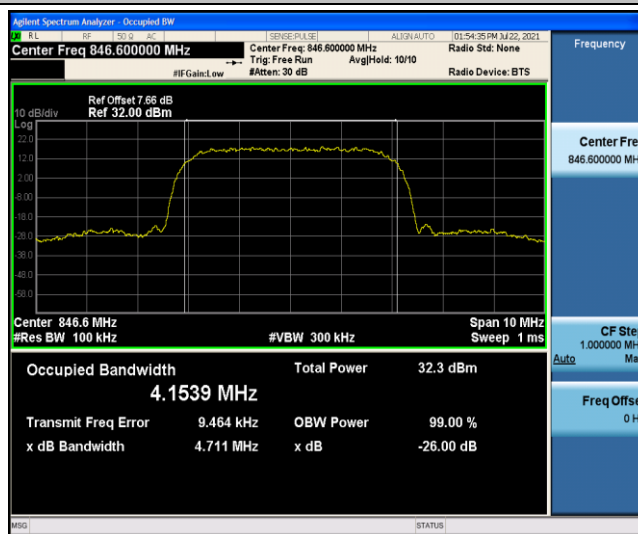




Band V\_4132



Band V\_4182



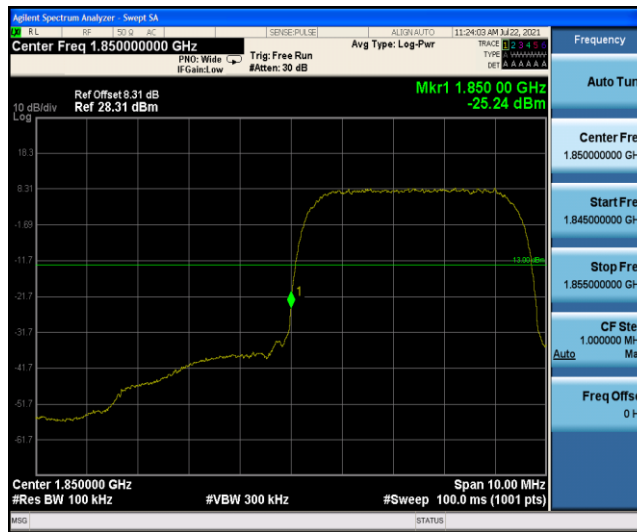
Band V\_4233

**8.4 Appendix D: Band Edge**

## Test Result

Band	Channel	Value(dBm)	Limit(dBm)	Verdict
Band II	9262	-25.24	-13	PASS
Band II	9538	-25.30	-13	PASS
Band V	4132	-25.10	-13	PASS
Band V	4233	-25.31	-13	PASS

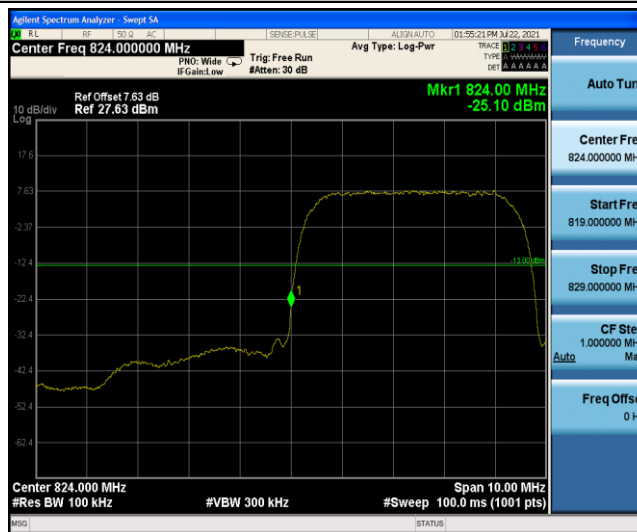
Test Graphs



Band II\_9262



Band II\_9538



Band V\_4132



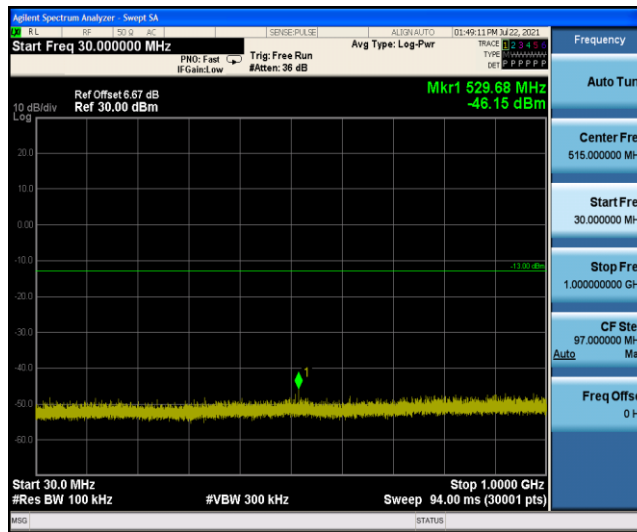
Band V\_4233

## 8.5 Appendix E: Conducted Spurious Emission

### Test Result

Band	Channel	Frequency Rang(Mhz)	Value(dBm)	Limit(dBm)	Verdict
Band II	9262	30~1000	-46.15	-13	PASS
Band II	9262	1000~20000	-25.11	-13	PASS
Band II	9400	30~1000	-47.31	-13	PASS
Band II	9400	1000~20000	-26.32	-13	PASS
Band II	9538	30~1000	-46.74	-13	PASS
Band II	9538	1000~20000	-26.22	-13	PASS
Band V	4132	30~1000	-47.02	-13	PASS
Band V	4132	1000~10000	-32.32	-13	PASS
Band V	4182	30~1000	-46.54	-13	PASS
Band V	4182	1000~10000	-31.77	-13	PASS
Band V	4233	30~1000	-46.87	-13	PASS
Band V	4233	1000~10000	-32.74	-13	PASS

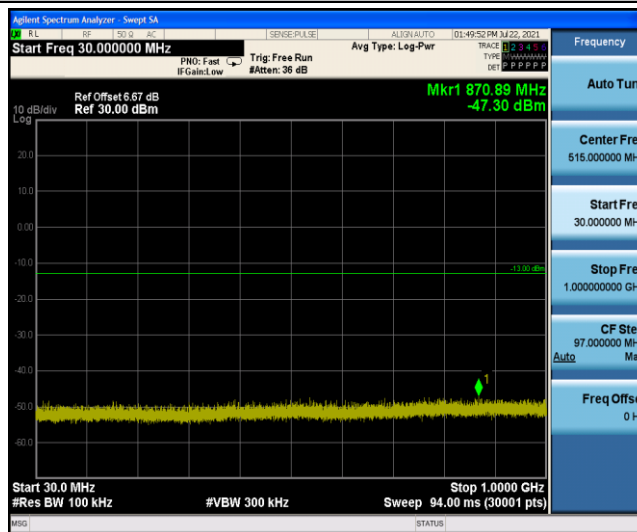
Test Graphs



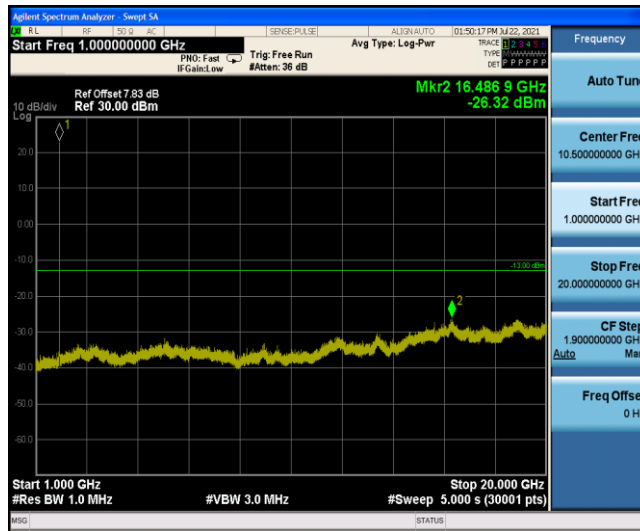
Band II\_9262



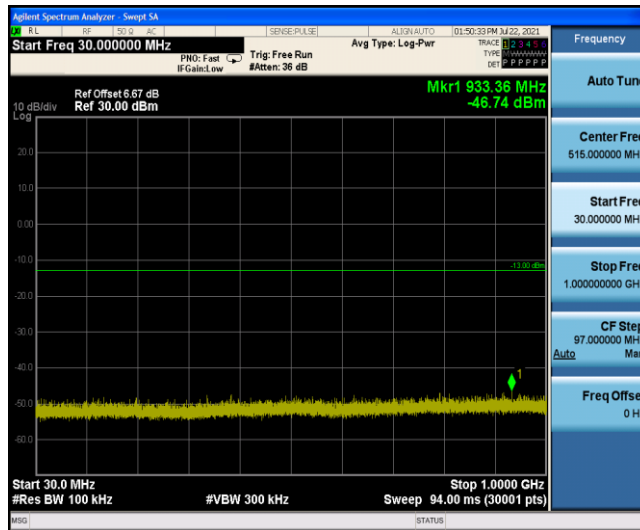
Band II\_9262



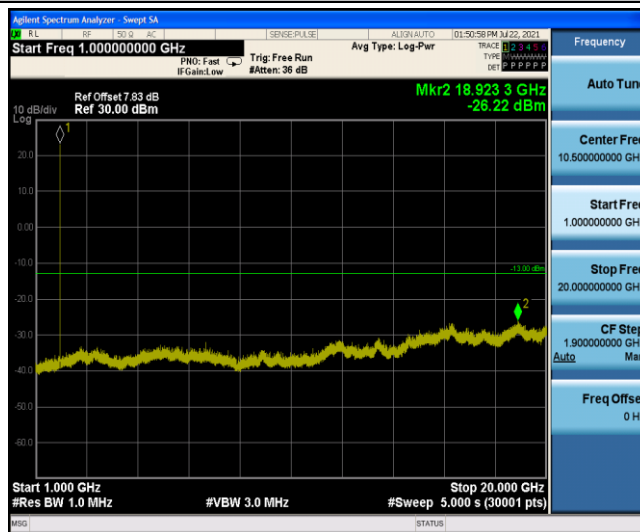
Band II\_9400



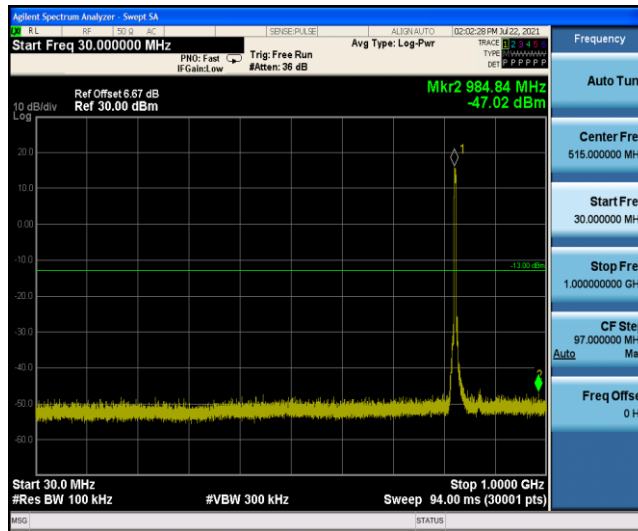
Band II\_9400



Band II\_9538



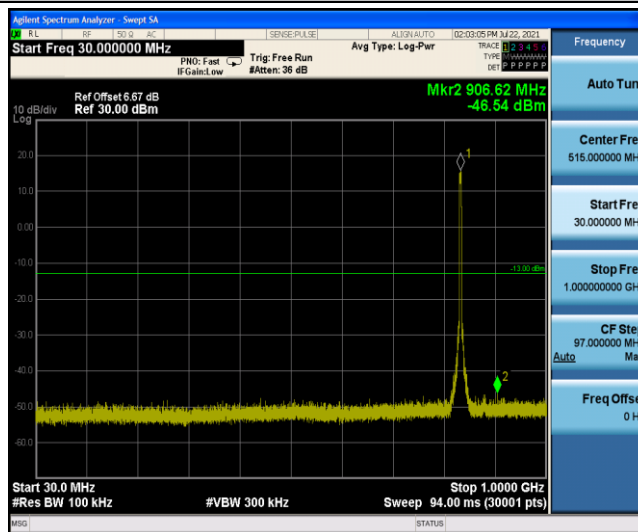
Band II\_9538



Band V\_4132

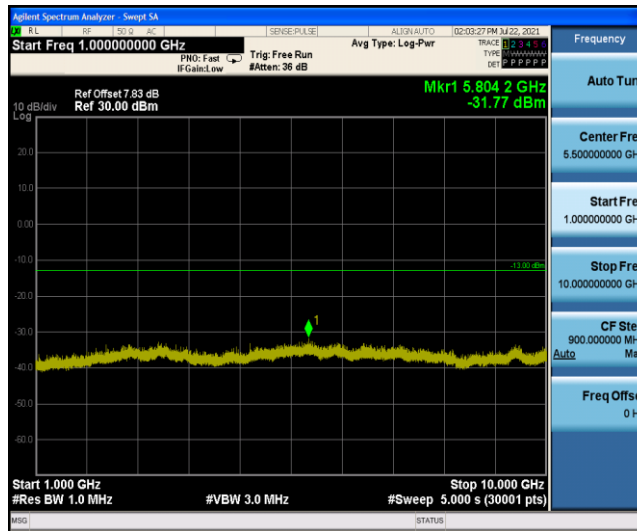


Band V\_4132

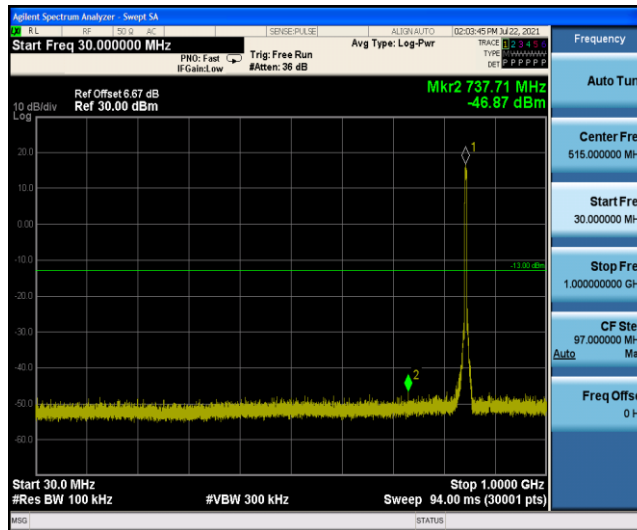


Band V\_4182

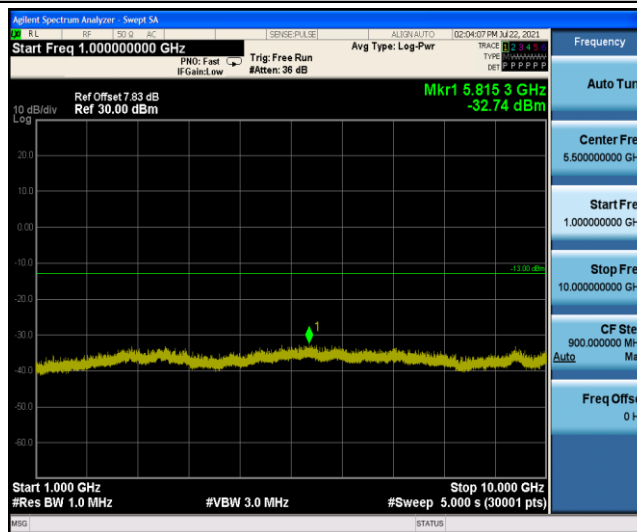




Band V\_4182



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	4.76	0.002570	2.5	PASS
Band II	9262	VN	TN	-1.22	-0.000659	2.5	PASS
Band II	9262	VH	TN	1.79	0.000966	2.5	PASS
Band II	9400	VL	TN	7.67	0.004080	2.5	PASS
Band II	9400	VN	TN	-6.02	-0.003202	2.5	PASS
Band II	9400	VH	TN	2.90	0.001543	2.5	PASS
Band II	9538	VL	TN	-6.80	-0.003565	2.5	PASS
Band II	9538	VN	TN	-2.22	-0.001164	2.5	PASS
Band II	9538	VH	TN	3.78	0.001982	2.5	PASS
Band V	4132	VL	TN	-0.35	-0.000424	2.5	PASS
Band V	4132	VN	TN	-3.90	-0.004719	2.5	PASS
Band V	4132	VH	TN	-0.25	-0.000303	2.5	PASS
Band V	4182	VL	TN	0.11	0.000132	2.5	PASS
Band V	4182	VN	TN	1.37	0.001638	2.5	PASS
Band V	4182	VH	TN	1.92	0.002296	2.5	PASS
Band V	4233	VL	TN	-4.02	-0.004748	2.5	PASS
Band V	4233	VN	TN	-4.59	-0.005422	2.5	PASS
Band V	4233	VH	TN	0.35	0.000413	2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band II	9262	VN	-30	-5.56	-0.003002	2.5	PASS
Band II	9262	VN	-20	4.08	0.002203	2.5	PASS
Band II	9262	VN	-10	5.87	0.003169	2.5	PASS
Band II	9262	VN	0	3.98	0.002149	2.5	PASS
Band II	9262	VN	10	-1.06	-0.000572	2.5	PASS
Band II	9262	VN	20	0.69	0.000372	2.5	PASS
Band II	9262	VN	30	-1.73	-0.000934	2.5	PASS
Band II	9262	VN	40	2.96	0.001598	2.5	PASS
Band II	9262	VN	50	-0.54	-0.000292	2.5	PASS
Band II	9400	VN	-30	-0.81	-0.000431	2.5	PASS
Band II	9400	VN	-20	-7.06	-0.003755	2.5	PASS
Band II	9400	VN	-10	6.47	0.003441	2.5	PASS
Band II	9400	VN	0	8.35	0.004441	2.5	PASS
Band II	9400	VN	10	4.31	0.002293	2.5	PASS
Band II	9400	VN	20	-2.10	-0.001117	2.5	PASS
Band II	9400	VN	30	-2.74	-0.001457	2.5	PASS
Band II	9400	VN	40	8.98	0.004777	2.5	PASS
Band II	9400	VN	50	-3.04	-0.001617	2.5	PASS
Band II	9538	VN	-30	6.31	0.003308	2.5	PASS
Band II	9538	VN	-20	0.41	0.000215	2.5	PASS
Band II	9538	VN	-10	1.51	0.000792	2.5	PASS
Band II	9538	VN	0	8.50	0.004456	2.5	PASS
Band II	9538	VN	10	-3.13	-0.001641	2.5	PASS
Band II	9538	VN	20	3.24	0.001698	2.5	PASS
Band II	9538	VN	30	-0.57	-0.000299	2.5	PASS
Band II	9538	VN	40	3.82	0.002003	2.5	PASS
Band II	9538	VN	50	-1.54	-0.000807	2.5	PASS
Band V	4132	VN	-30	-0.82	-0.000992	2.5	PASS
Band V	4132	VN	-20	0.31	0.000375	2.5	PASS
Band V	4132	VN	-10	-1.93	-0.002335	2.5	PASS
Band V	4132	VN	0	-0.03	-0.000036	2.5	PASS
Band V	4132	VN	10	0.05	0.000061	2.5	PASS
Band V	4132	VN	20	-0.09	-0.000109	2.5	PASS
Band V	4132	VN	30	-2.40	-0.002904	2.5	PASS
Band V	4132	VN	40	-0.57	-0.000690	2.5	PASS
Band V	4132	VN	50	-2.20	-0.002662	2.5	PASS
Band V	4182	VN	-30	-3.40	-0.004065	2.5	PASS
Band V	4182	VN	-20	0.83	0.000992	2.5	PASS
Band V	4182	VN	-10	0.37	0.000442	2.5	PASS
Band V	4182	VN	0	-2.37	-0.002834	2.5	PASS
Band V	4182	VN	10	-0.84	-0.001004	2.5	PASS
Band V	4182	VN	20	0.31	0.000371	2.5	PASS
Band V	4182	VN	30	0.76	0.000909	2.5	PASS
Band V	4182	VN	40	0.21	0.000251	2.5	PASS
Band V	4182	VN	50	0.19	0.000227	2.5	PASS
Band V	4233	VN	-30	0.97	0.001146	2.5	PASS

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Band V	4233	VN	-20	0.30	0.000354	2.5	PASS
Band V	4233	VN	-10	-3.50	-0.004134	2.5	PASS
Band V	4233	VN	0	-2.11	-0.002492	2.5	PASS
Band V	4233	VN	10	-2.90	-0.003425	2.5	PASS
Band V	4233	VN	20	-4.89	-0.005776	2.5	PASS
Band V	4233	VN	30	-1.56	-0.001843	2.5	PASS
Band V	4233	VN	40	-1.14	-0.001347	2.5	PASS
Band V	4233	VN	50	1.27	0.001500	2.5	PASS

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