

APPENDIX REPORT

Project No.	SHT2106117003EW	Radio Specification	WCDMA
Test sample No.	YPHT21061170022	Model No.	C6200
Start test date	2021/10/20	Finish date	2021/10/20
Temperature	25.1℃	Humidity	41%
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
G	ERP and EIRP	PASS

8.1 Appendix A: Conducted Output Power

Test Result

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band II	9262	21.08	33	PASS
Band II	9400	21.14	33	PASS
Band II	9538	21.08	33	PASS
Band V	4132	22.20	38.5	PASS
Band V	4182	22.80	38.5	PASS
Band V	4233	22.73	38.5	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band II	9262	HSDPA_Sub1	20.08	33	PASS
Band II	9262	HSDPA_Sub2	19.60	33	PASS
Band II	9262	HSDPA_Sub3	19.60	33	PASS
Band II	9262	HSDPA_Sub4	19.63	33	PASS
Band II	9400	HSDPA_Sub1	20.18	33	PASS
Band II	9400	HSDPA_Sub2	19.62	33	PASS
Band II	9400	HSDPA_Sub3	19.65	33	PASS
Band II	9400	HSDPA_Sub4	19.66	33	PASS
Band II	9538	HSDPA_Sub1	20.15	33	PASS
Band II	9538	HSDPA_Sub2	19.62	33	PASS
Band II	9538	HSDPA_Sub3	19.68	33	PASS
Band II	9538	HSDPA_Sub4	19.65	33	PASS
Band V	4132	HSDPA_Sub1	21.16	38.5	PASS
Band V	4132	HSDPA_Sub2	20.65	38.5	PASS
Band V	4132	HSDPA_Sub3	20.70	38.5	PASS
Band V	4132	HSDPA_Sub4	20.65	38.5	PASS
Band V	4182	HSDPA_Sub1	21.70	38.5	PASS
Band V	4182	HSDPA_Sub2	21.19	38.5	PASS
Band V	4182	HSDPA_Sub3	21.25	38.5	PASS
Band V	4182	HSDPA_Sub4	21.21	38.5	PASS
Band V	4233	HSDPA_Sub1	21.67	38.5	PASS
Band V	4233	HSDPA_Sub2	21.19	38.5	PASS
Band V	4233	HSDPA_Sub3	21.20	38.5	PASS
Band V	4233	HSDPA_Sub4	21.19	38.5	PASS

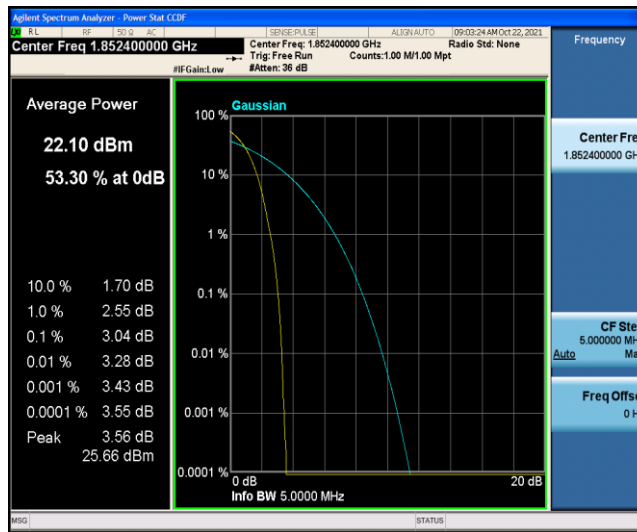
Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band II	9262	HSUPA_Sub1	18.02	33	PASS
Band II	9262	HSUPA_Sub2	18.54	33	PASS
Band II	9262	HSUPA_Sub3	19.07	33	PASS
Band II	9262	HSUPA_Sub4	18.12	33	PASS
Band II	9262	HSUPA_Sub5	20.12	33	PASS
Band II	9400	HSUPA_Sub1	18.16	33	PASS
Band II	9400	HSUPA_Sub2	18.70	33	PASS
Band II	9400	HSUPA_Sub3	19.21	33	PASS
Band II	9400	HSUPA_Sub4	18.16	33	PASS
Band II	9400	HSUPA_Sub5	20.17	33	PASS
Band II	9538	HSUPA_Sub1	18.10	33	PASS
Band II	9538	HSUPA_Sub2	18.60	33	PASS
Band II	9538	HSUPA_Sub3	19.18	33	PASS
Band II	9538	HSUPA_Sub4	18.16	33	PASS
Band II	9538	HSUPA_Sub5	20.14	33	PASS
Band V	4132	HSUPA_Sub1	19.19	38.5	PASS
Band V	4132	HSUPA_Sub2	19.69	38.5	PASS
Band V	4132	HSUPA_Sub3	20.19	38.5	PASS
Band V	4132	HSUPA_Sub4	19.20	38.5	PASS
Band V	4132	HSUPA_Sub5	21.20	38.5	PASS
Band V	4182	HSUPA_Sub1	19.70	38.5	PASS
Band V	4182	HSUPA_Sub2	20.16	38.5	PASS
Band V	4182	HSUPA_Sub3	20.69	38.5	PASS
Band V	4182	HSUPA_Sub4	19.76	38.5	PASS
Band V	4182	HSUPA_Sub5	21.71	38.5	PASS
Band V	4233	HSUPA_Sub1	19.68	38.5	PASS
Band V	4233	HSUPA_Sub2	20.12	38.5	PASS
Band V	4233	HSUPA_Sub3	20.69	38.5	PASS
Band V	4233	HSUPA_Sub4	19.71	38.5	PASS
Band V	4233	HSUPA_Sub5	21.70	38.5	PASS

8.2 Appendix B: Peak-to-Average Ratio

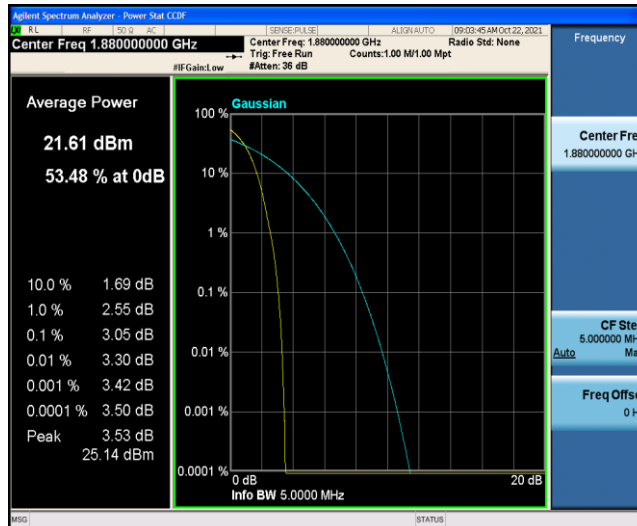
Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band II	9262	3.04	13	PASS
Band II	9400	3.05	13	PASS
Band II	9538	3.03	13	PASS
Band V	4132	3.02	13	PASS
Band V	4182	3.04	13	PASS
Band V	4233	2.93	13	PASS

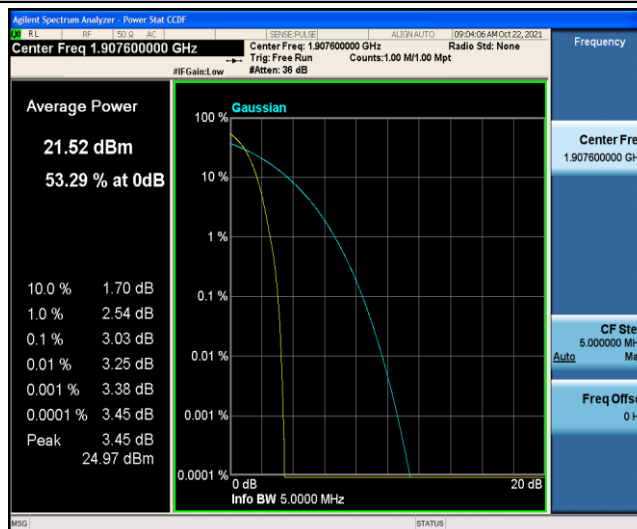
Test Graphs



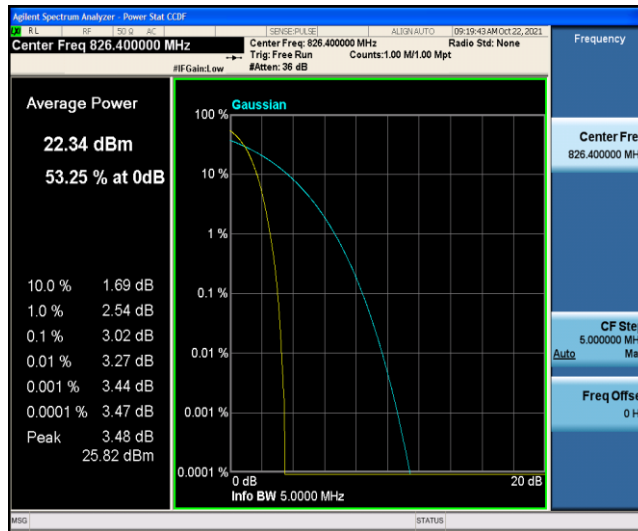
Band II_9262



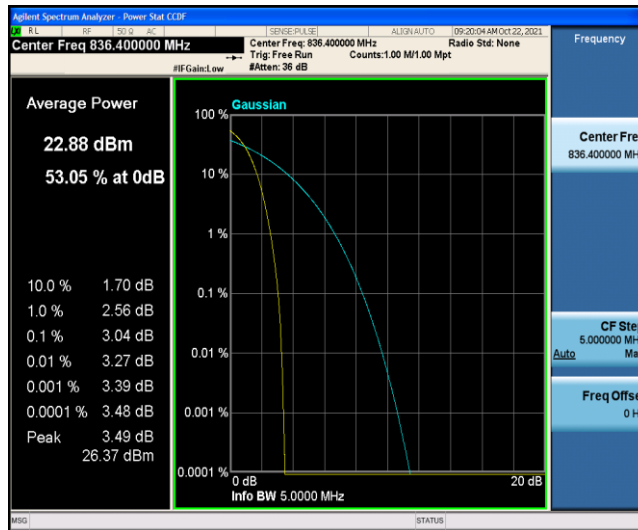
Band II_9400



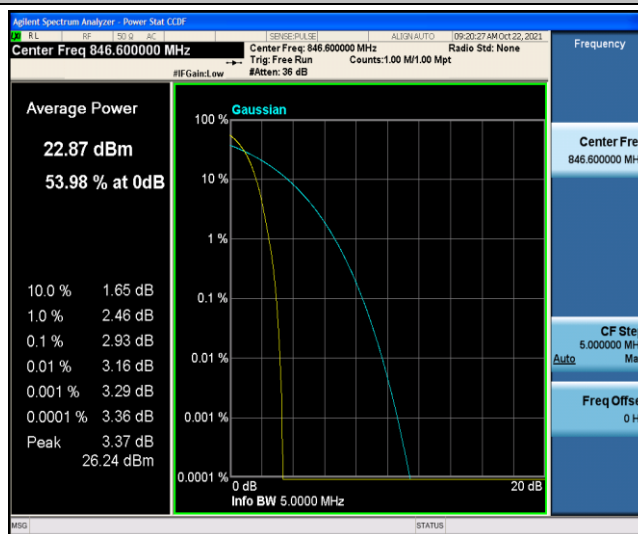
Band II_9538



Band V_4132



Band V_4182



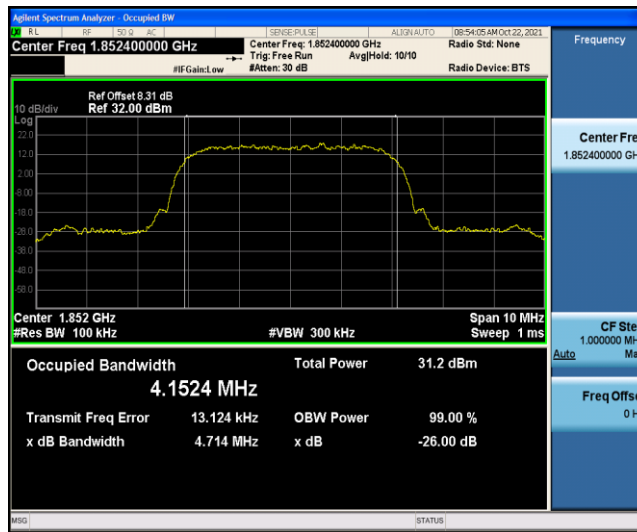
Band V_4233

8.3 Appendix C: 26dB Bandwidth and Occupied Bandwidth

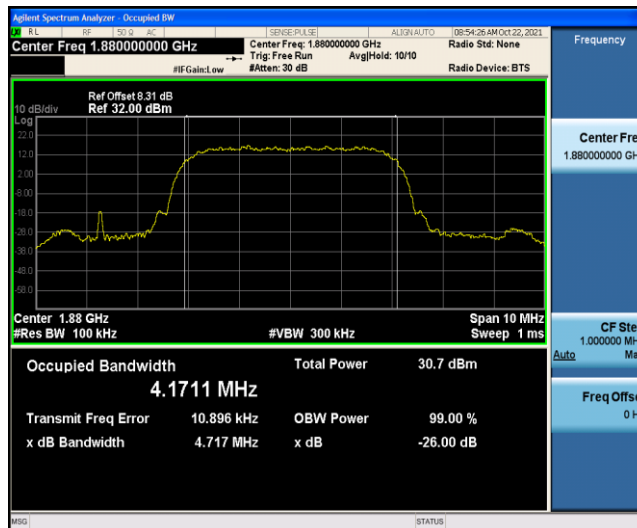
Test Result

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band II	9262	4152.4	4714	---	PASS
Band II	9400	4171.1	4717	---	PASS
Band II	9538	4177.6	4739	---	PASS
Band V	4132	4170.4	4714	---	PASS
Band V	4182	4176.8	4705	---	PASS
Band V	4233	4172.1	4728	---	PASS

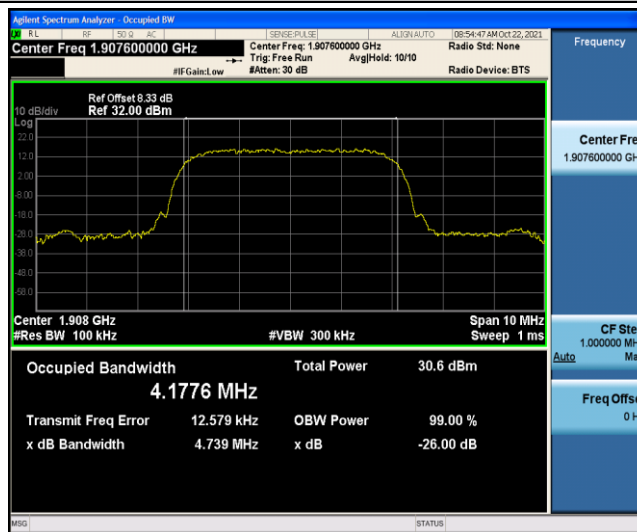
Test Graphs



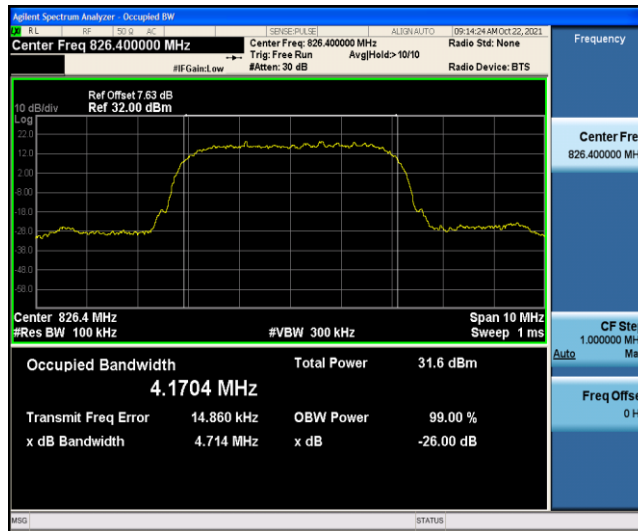
Band II_9262



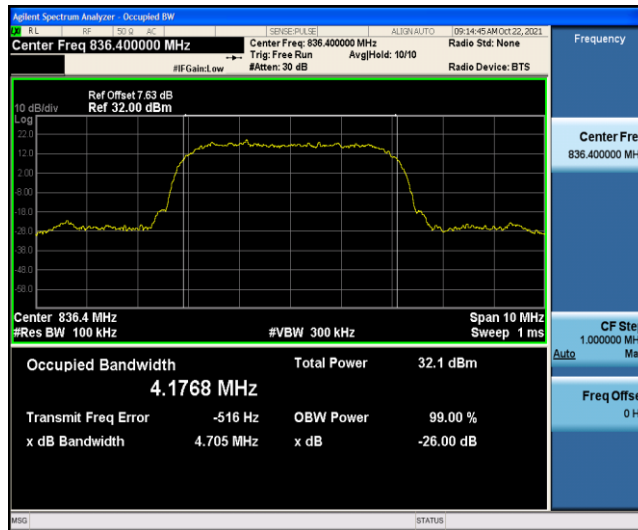
Band II_9400



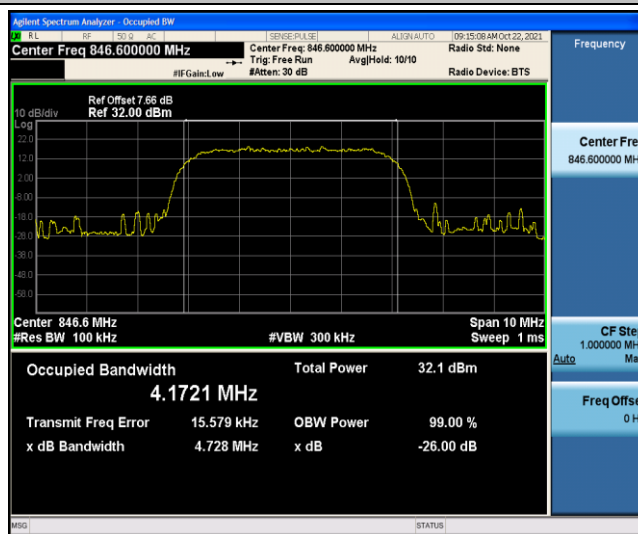
Band II_9538



Band V_4132



Band V_4182



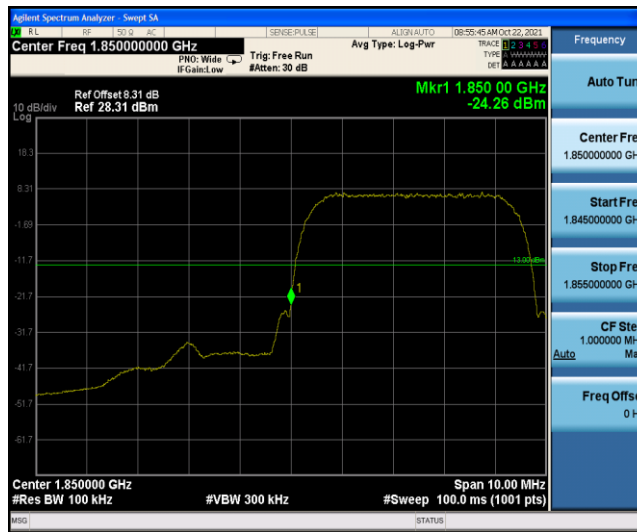
Band V_4233

8.4 Appendix D: Band Edge

Test Result

Band	Channel	Value(dBm)	Limit(dBm)	Verdict
Band II	9262	-24.26	-13	PASS
Band II	9538	-24.15	-13	PASS
Band V	4132	-24.10	-13	PASS
Band V	4233	-21.68	-13	PASS

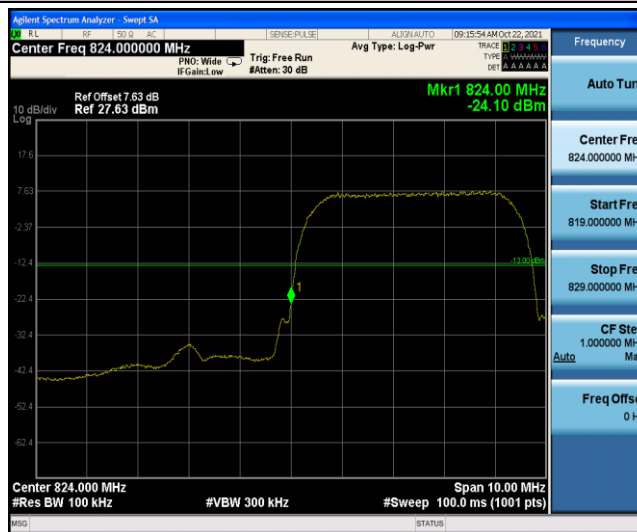
Test Graphs



Band II_9262



Band II_9538



Band V_4132



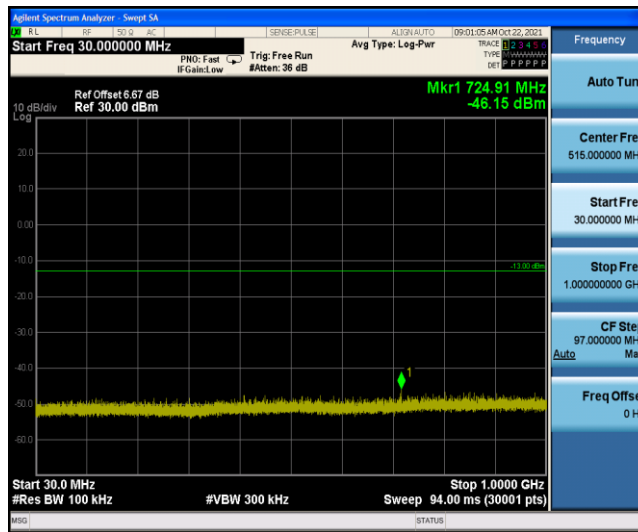
Band V_4233

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	-25.79	-13	PASS
Band II	9400	30~1000	-46.18	-13	PASS
Band II	9400	1000~20000	-26.45	-13	PASS
Band II	9538	30~1000	-47.00	-13	PASS
Band II	9538	1000~20000	-26.02	-13	PASS
Band V	4132	30~1000	-46.29	-13	PASS
Band V	4132	1000~10000	-31.98	-13	PASS
Band V	4182	30~1000	-46.42	-13	PASS
Band V	4182	1000~10000	-32.74	-13	PASS
Band V	4233	30~1000	-46.89	-13	PASS
Band V	4233	1000~10000	-32.69	-13	PASS

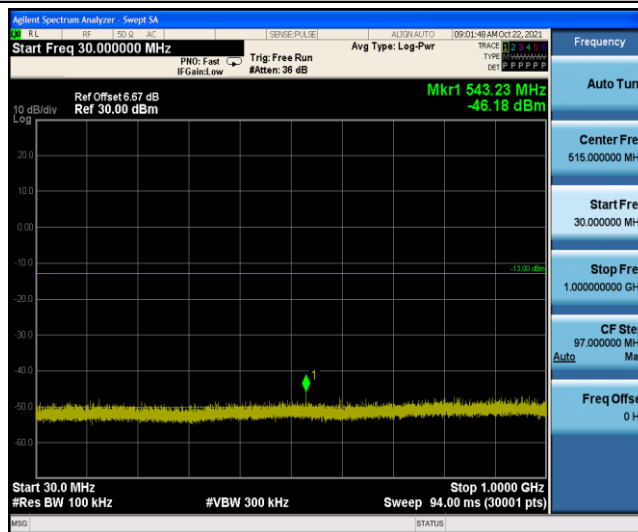
Test Graphs



Band II_9262



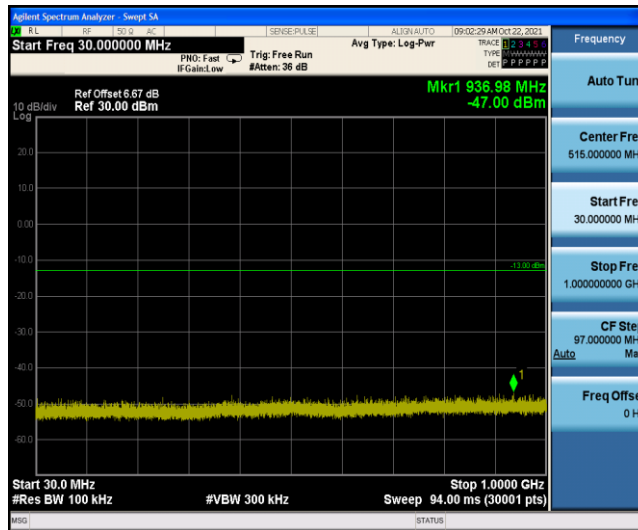
Band II_9262



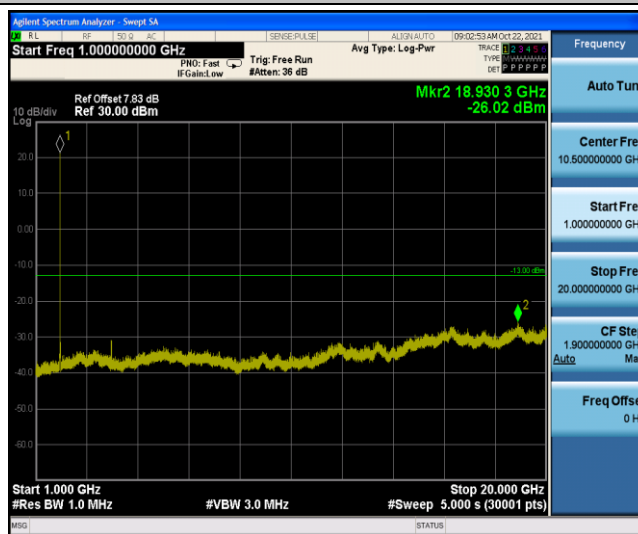
Band II_9400



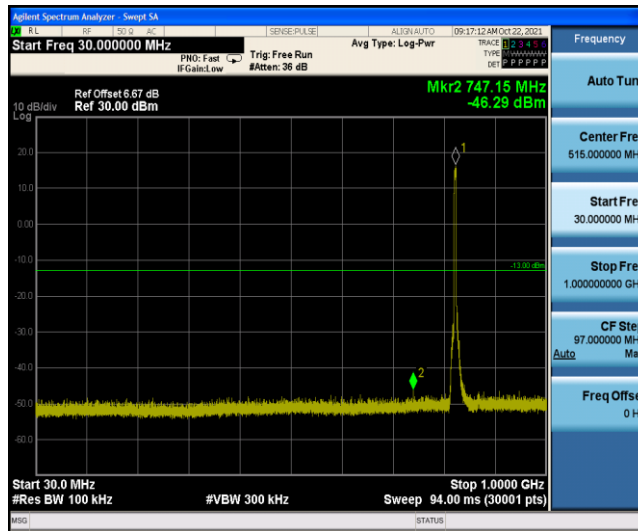
Band II_9400



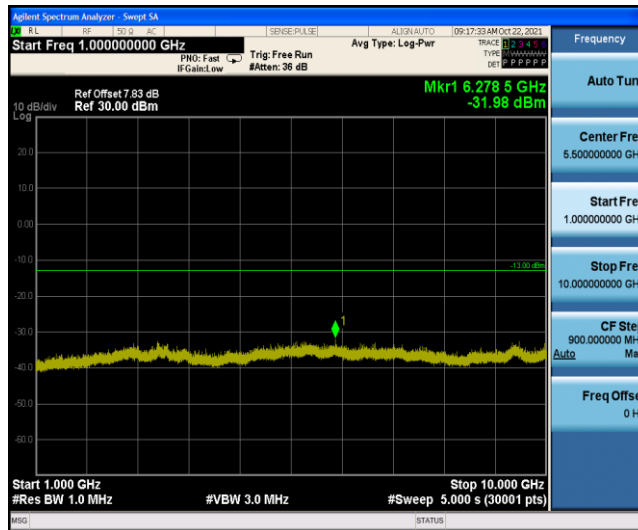
Band II_9538



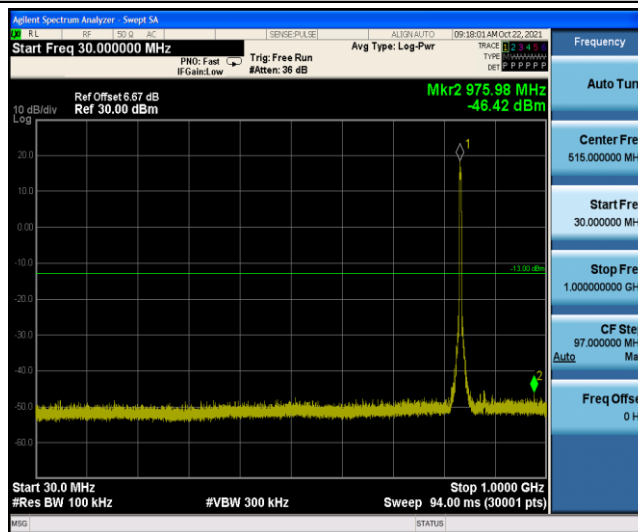
Band II_9538



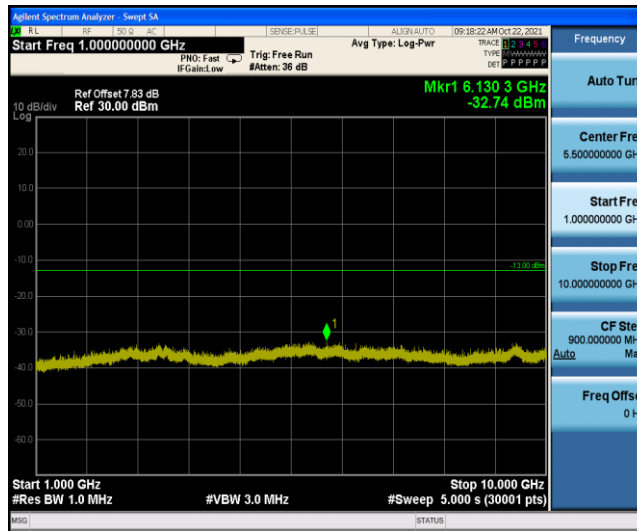
Band V_4132



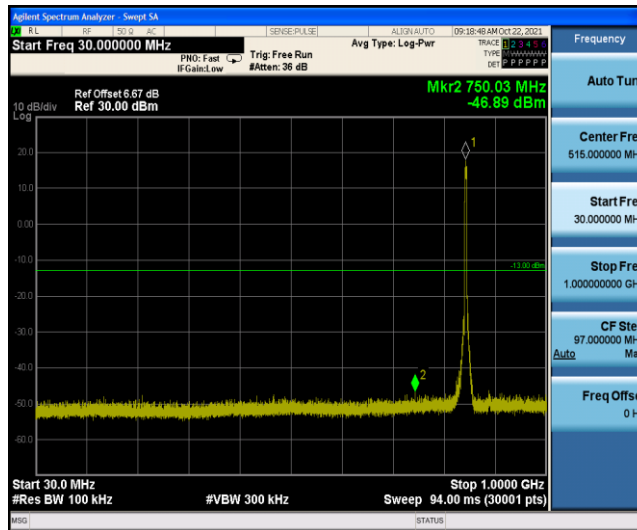
Band V_4132



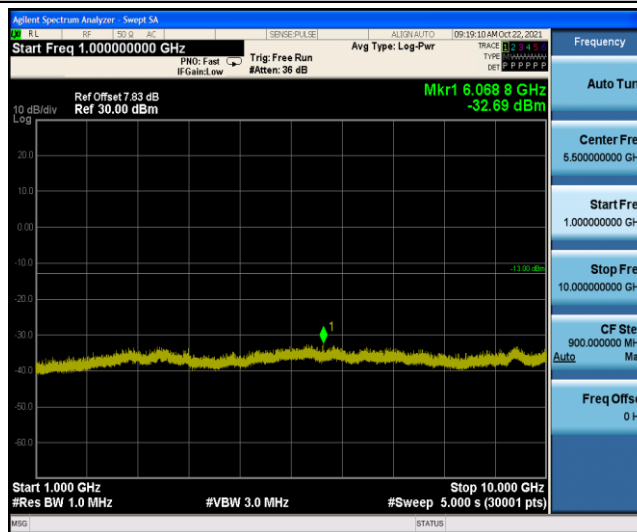
Band V_4182



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	-11.79	-0.006365	2.5	PASS
Band II	9262	VN	TN	-14.12	-0.007623	2.5	PASS
Band II	9262	VH	TN	-11.44	-0.006176	2.5	PASS
Band II	9400	VL	TN	-14.26	-0.007585	2.5	PASS
Band II	9400	VN	TN	-15.24	-0.008106	2.5	PASS
Band II	9400	VH	TN	-14.01	-0.007452	2.5	PASS
Band II	9538	VL	TN	-9.09	-0.004765	2.5	PASS
Band II	9538	VN	TN	-12.86	-0.006741	2.5	PASS
Band II	9538	VH	TN	-16.57	-0.008686	2.5	PASS
Band V	4132	VL	TN	-7.46	-0.009027	2.5	PASS
Band V	4132	VN	TN	-9.79	-0.011847	2.5	PASS
Band V	4132	VH	TN	-10.75	-0.013008	2.5	PASS
Band V	4182	VL	TN	-4.56	-0.005452	2.5	PASS
Band V	4182	VN	TN	-7.31	-0.008740	2.5	PASS
Band V	4182	VH	TN	-8.88	-0.010617	2.5	PASS
Band V	4233	VL	TN	-10.19	-0.012036	2.5	PASS
Band V	4233	VN	TN	-10.35	-0.012225	2.5	PASS
Band V	4233	VH	TN	-6.81	-0.008044	2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band II	9262	VN	-30	-11.56	-0.006241	2.5	PASS
Band II	9262	VN	-20	-12.50	-0.006748	2.5	PASS
Band II	9262	VN	-10	-7.17	-0.003871	2.5	PASS
Band II	9262	VN	0	-8.75	-0.004724	2.5	PASS
Band II	9262	VN	10	-7.69	-0.004151	2.5	PASS
Band II	9262	VN	20	-9.52	-0.005139	2.5	PASS
Band II	9262	VN	30	-10.46	-0.005647	2.5	PASS
Band II	9262	VN	40	-9.70	-0.005236	2.5	PASS
Band II	9262	VN	50	-14.66	-0.007914	2.5	PASS
Band II	9400	VN	-30	-19.01	-0.010112	2.5	PASS
Band II	9400	VN	-20	-11.83	-0.006293	2.5	PASS
Band II	9400	VN	-10	-9.52	-0.005064	2.5	PASS
Band II	9400	VN	0	-16.44	-0.008745	2.5	PASS
Band II	9400	VN	10	-12.19	-0.006484	2.5	PASS
Band II	9400	VN	20	-14.65	-0.007793	2.5	PASS
Band II	9400	VN	30	-12.60	-0.006702	2.5	PASS
Band II	9400	VN	40	-13.82	-0.007351	2.5	PASS
Band II	9400	VN	50	-12.60	-0.006702	2.5	PASS
Band II	9538	VN	-30	-7.02	-0.003680	2.5	PASS
Band II	9538	VN	-20	-12.34	-0.006469	2.5	PASS
Band II	9538	VN	-10	-16.01	-0.008393	2.5	PASS
Band II	9538	VN	0	-12.07	-0.006327	2.5	PASS
Band II	9538	VN	10	-13.33	-0.006988	2.5	PASS
Band II	9538	VN	20	-9.70	-0.005085	2.5	PASS
Band II	9538	VN	30	-16.70	-0.008754	2.5	PASS
Band II	9538	VN	40	-11.46	-0.006008	2.5	PASS
Band II	9538	VN	50	-10.67	-0.005593	2.5	PASS
Band V	4132	VN	-30	-9.81	-0.011871	2.5	PASS
Band V	4132	VN	-20	-10.95	-0.013250	2.5	PASS
Band V	4132	VN	-10	-14.56	-0.017619	2.5	PASS
Band V	4132	VN	0	-9.97	-0.012064	2.5	PASS
Band V	4132	VN	10	-10.36	-0.012536	2.5	PASS
Band V	4132	VN	20	-8.66	-0.010479	2.5	PASS
Band V	4132	VN	30	-11.07	-0.013395	2.5	PASS
Band V	4132	VN	40	-5.94	-0.007188	2.5	PASS
Band V	4132	VN	50	-11.31	-0.013686	2.5	PASS
Band V	4182	VN	-30	-8.22	-0.009828	2.5	PASS
Band V	4182	VN	-20	-10.50	-0.012554	2.5	PASS
Band V	4182	VN	-10	-13.46	-0.016093	2.5	PASS
Band V	4182	VN	0	-10.66	-0.012745	2.5	PASS
Band V	4182	VN	10	-9.41	-0.011251	2.5	PASS
Band V	4182	VN	20	-12.35	-0.014766	2.5	PASS
Band V	4182	VN	30	-10.67	-0.012757	2.5	PASS
Band V	4182	VN	40	-9.83	-0.011753	2.5	PASS
Band V	4182	VN	50	-5.52	-0.006600	2.5	PASS
Band V	4233	VN	-30	-9.99	-0.011800	2.5	PASS

Band V	4233	VN	-20	-6.38	-0.007536	2.5	PASS
Band V	4233	VN	-10	-9.84	-0.011623	2.5	PASS
Band V	4233	VN	0	-6.61	-0.007808	2.5	PASS
Band V	4233	VN	10	-11.37	-0.013430	2.5	PASS
Band V	4233	VN	20	-7.23	-0.008540	2.5	PASS
Band V	4233	VN	30	-11.52	-0.013607	2.5	PASS
Band V	4233	VN	40	-8.97	-0.010595	2.5	PASS
Band V	4233	VN	50	-11.12	-0.013135	2.5	PASS

8.7 Appendix G: ERP and EIRP

Test Result

FCC

Band	Mode	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP		Limit (W)	Verdict
				(dBm)	(W)		
Band II	WCMDA	21.14	-0.50	20.64	0.1159	2	PASS
	HSDPA	20.18	-0.50	19.68	0.0929	2	PASS
	HSUPA	20.17	-0.50	19.67	0.0927	2	PASS

Band	Mode	Conducted Power (dBm)	Antenna Gain (dBi)	ERP		Limit (W)	Verdict
				(dBm)	(W)		
Band V	WCMDA	22.80	-1.00	19.65	0.0923	7	PASS
	HSDPA	21.70	-1.00	18.55	0.0716	7	PASS
	HSUPA	21.71	-1.00	18.56	0.0718	7	PASS

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