

APPENDIX REPORT

Project No.	SHT2203104801EW	Radio Specification	WCDMA
Test sample No.	YPHT22031048004	Model No.	G60
Start test date	2022/3/31	Finish date	2022/3/31
Temperature	23.7°C	Humidity	37%
Test Engineer	Tiancheng.Huang	Auditor	<i>Xiaodong Zhe</i>

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	23.45	33	PASS
Band II	9400	24.09	33	PASS
Band II	9538	23.52	33	PASS
Band V	4132	24.97	38.5	PASS
Band V	4182	25.28	38.5	PASS
Band V	4233	25.45	38.5	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band II	9262	HSDPA_Sub1	22.79	33	PASS
Band II	9262	HSDPA_Sub2	22.66	33	PASS
Band II	9262	HSDPA_Sub3	22.34	33	PASS
Band II	9262	HSDPA_Sub4	22.16	33	PASS
Band II	9400	HSDPA_Sub1	23.89	33	PASS
Band II	9400	HSDPA_Sub2	23.52	33	PASS
Band II	9400	HSDPA_Sub3	23.17	33	PASS
Band II	9400	HSDPA_Sub4	23.01	33	PASS
Band II	9538	HSDPA_Sub1	23.11	33	PASS
Band II	9538	HSDPA_Sub2	22.75	33	PASS
Band II	9538	HSDPA_Sub3	22.44	33	PASS
Band II	9538	HSDPA_Sub4	22.33	33	PASS
Band V	4132	HSDPA_Sub1	22.68	38.5	PASS
Band V	4132	HSDPA_Sub2	22.98	38.5	PASS
Band V	4132	HSDPA_Sub3	22.27	38.5	PASS
Band V	4132	HSDPA_Sub4	22.33	38.5	PASS
Band V	4182	HSDPA_Sub1	22.79	38.5	PASS
Band V	4182	HSDPA_Sub2	23.10	38.5	PASS
Band V	4182	HSDPA_Sub3	22.32	38.5	PASS
Band V	4182	HSDPA_Sub4	22.36	38.5	PASS
Band V	4233	HSDPA_Sub1	22.88	38.5	PASS
Band V	4233	HSDPA_Sub2	23.15	38.5	PASS
Band V	4233	HSDPA_Sub3	22.36	38.5	PASS
Band V	4233	HSDPA_Sub4	22.44	38.5	PASS

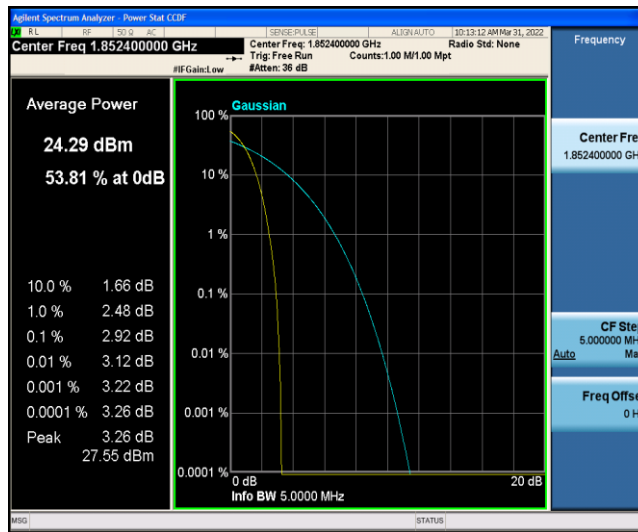
Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band II	9262	HSUPA_Sub1	20.29	33	PASS
Band II	9262	HSUPA_Sub2	20.40	33	PASS
Band II	9262	HSUPA_Sub3	20.17	33	PASS
Band II	9262	HSUPA_Sub4	20.48	33	PASS
Band II	9262	HSUPA_Sub5	23.42	33	PASS
Band II	9400	HSUPA_Sub1	20.71	33	PASS
Band II	9400	HSUPA_Sub2	20.82	33	PASS
Band II	9400	HSUPA_Sub3	20.53	33	PASS
Band II	9400	HSUPA_Sub4	20.87	33	PASS
Band II	9400	HSUPA_Sub5	23.98	33	PASS
Band II	9538	HSUPA_Sub1	20.28	33	PASS
Band II	9538	HSUPA_Sub2	20.45	33	PASS
Band II	9538	HSUPA_Sub3	20.17	33	PASS
Band II	9538	HSUPA_Sub4	20.52	33	PASS
Band II	9538	HSUPA_Sub5	23.34	33	PASS
Band V	4132	HSUPA_Sub1	19.48	38.5	PASS
Band V	4132	HSUPA_Sub2	19.74	38.5	PASS
Band V	4132	HSUPA_Sub3	19.91	38.5	PASS
Band V	4132	HSUPA_Sub4	19.85	38.5	PASS
Band V	4132	HSUPA_Sub5	23.29	38.5	PASS
Band V	4182	HSUPA_Sub1	19.35	38.5	PASS
Band V	4182	HSUPA_Sub2	19.61	38.5	PASS
Band V	4182	HSUPA_Sub3	19.82	38.5	PASS
Band V	4182	HSUPA_Sub4	19.65	38.5	PASS
Band V	4182	HSUPA_Sub5	23.20	38.5	PASS
Band V	4233	HSUPA_Sub1	19.56	38.5	PASS
Band V	4233	HSUPA_Sub2	19.78	38.5	PASS
Band V	4233	HSUPA_Sub3	19.95	38.5	PASS
Band V	4233	HSUPA_Sub4	19.86	38.5	PASS
Band V	4233	HSUPA_Sub5	23.45	38.5	PASS

8.2 Appendix B: Peak-to-Average Ratio

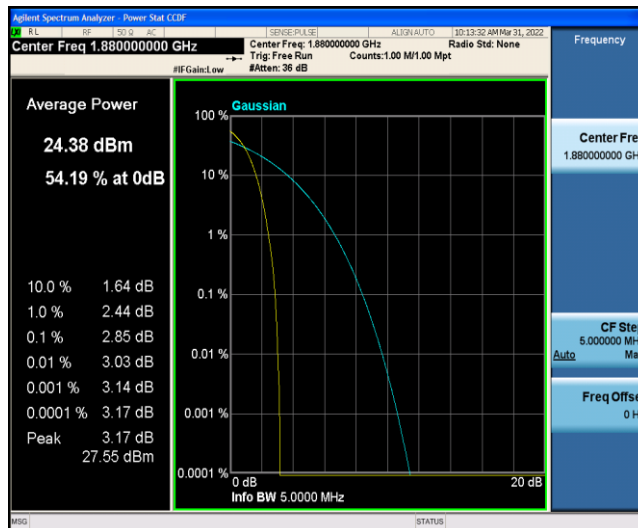
Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band II	9262	2.92	13	PASS
Band II	9400	2.85	13	PASS
Band II	9538	2.92	13	PASS
Band V	4132	3.16	13	PASS
Band V	4182	3.10	13	PASS
Band V	4233	2.95	13	PASS

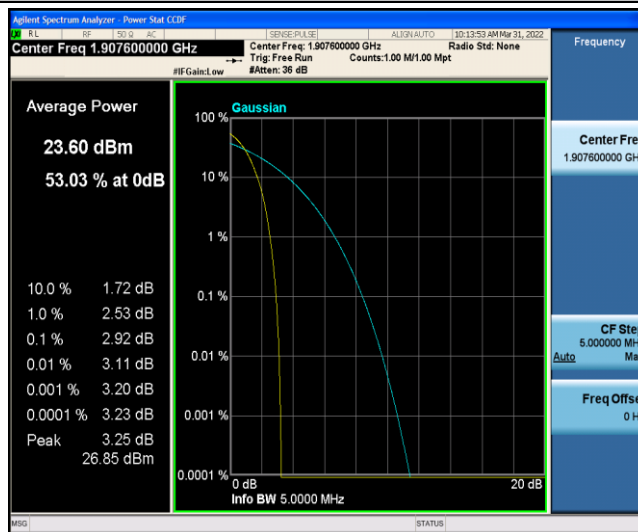
Test Graphs



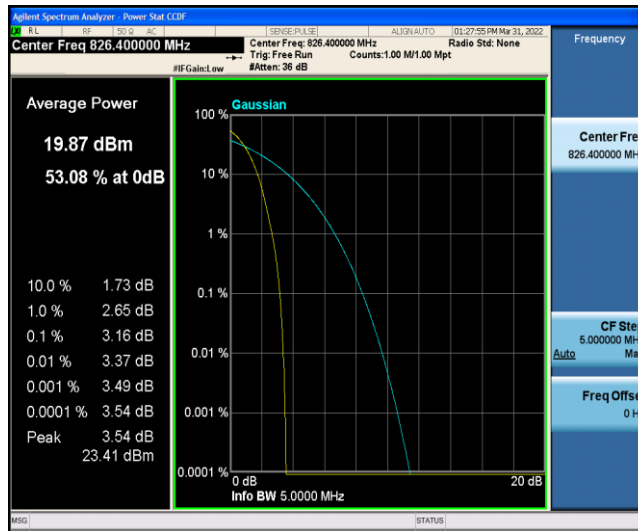
Band II_9262



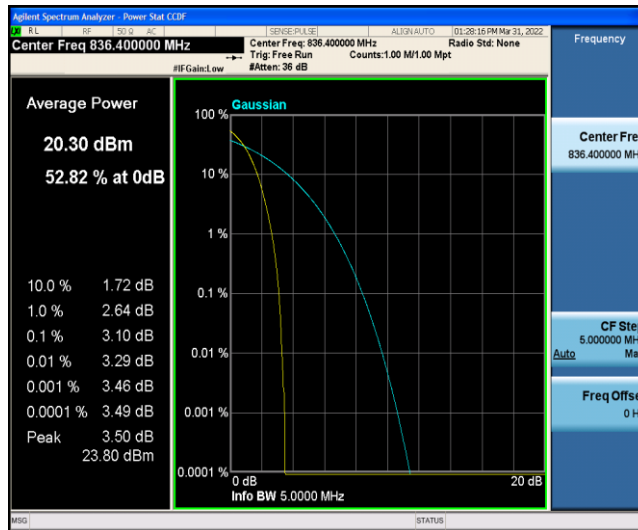
Band II_9400



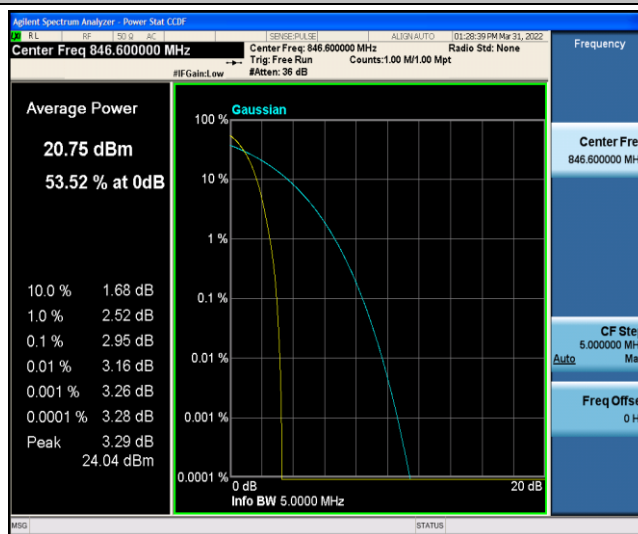
Band II_9538



Band V_4132



Band V_4182



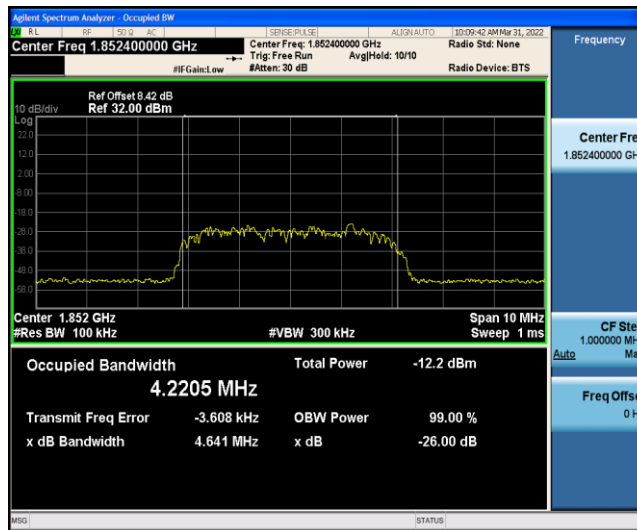
Band V_4233

8.3 Appendix C: 26dB Bandwidth and Occupied Bandwidth

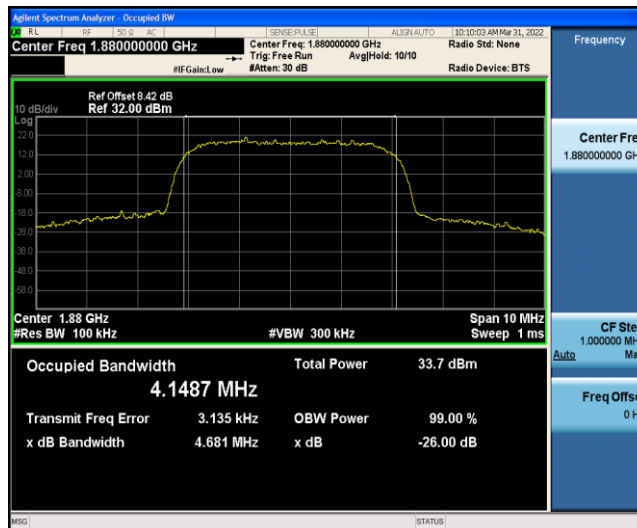
Test Result

Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band II	9262	4220.5	4641	---	PASS
Band II	9400	4148.7	4681	---	PASS
Band II	9538	4136.8	4699	---	PASS
Band V	4132	4152.5	4672	---	PASS
Band V	4182	4148.2	4672	---	PASS
Band V	4233	4142.0	4668	---	PASS

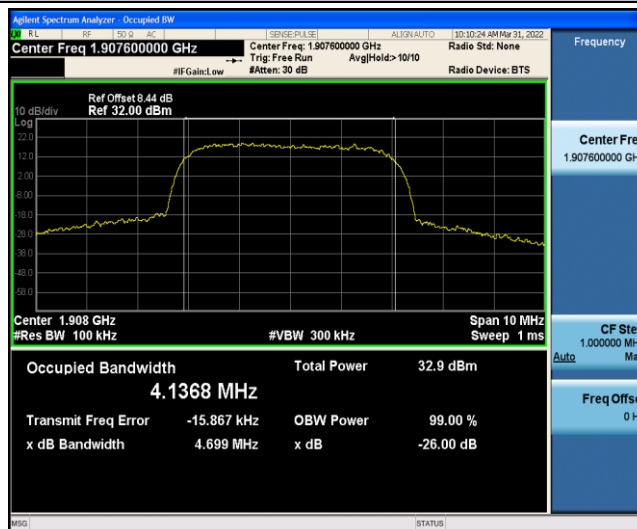
Test Graphs



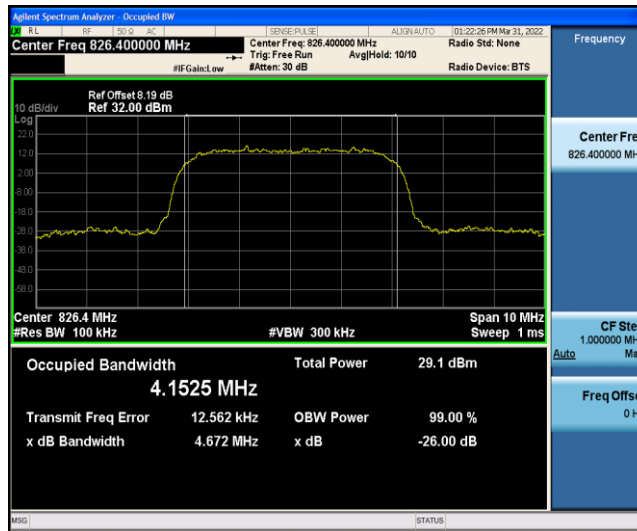
Band II_9262



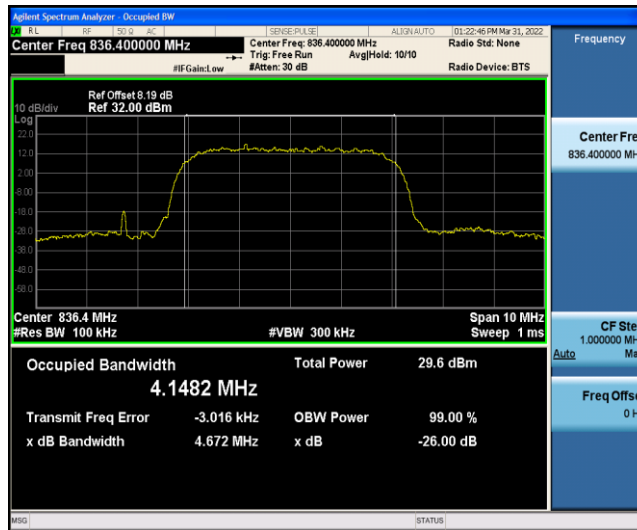
Band II_9400



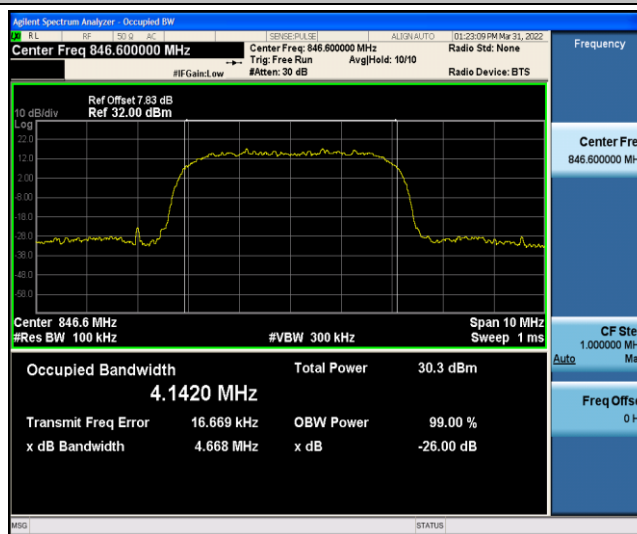
Band II_9538



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	-21.56	-13	PASS
Band II	9538	-24.71	-13	PASS
Band V	4132	-28.90	-13	PASS
Band V	4233	-28.41	-13	PASS

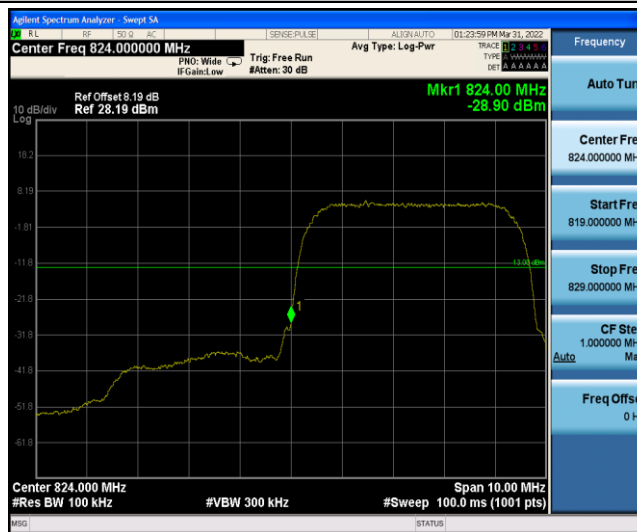
Test Graphs



Band II_9262



Band II_9538



Band V_4132



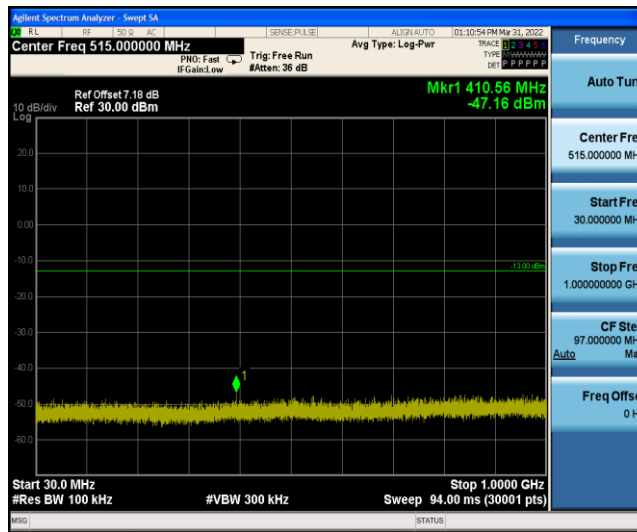
Band V_4233

8.5 Appendix E: Conducted Spurious Emission

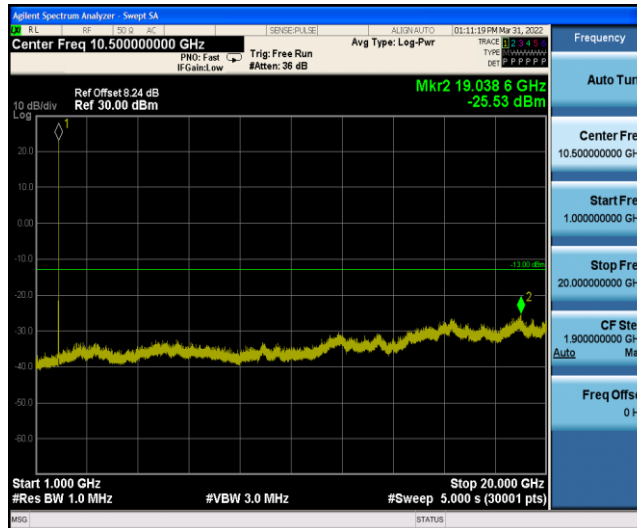
Test Result

Band	Channel	Frequency Rang(Mhz)	Value(dBm)	Limit(dBm)	Verdict
Band II	9262	30~1000	-47.16	-13	PASS
Band II	9262	1000~20000	-25.53	-13	PASS
Band II	9400	30~1000	-46.67	-13	PASS
Band II	9400	1000~20000	-26.28	-13	PASS
Band II	9538	30~1000	-46.99	-13	PASS
Band II	9538	1000~20000	-26.01	-13	PASS
Band V	4132	30~1000	-46.48	-13	PASS
Band V	4132	1000~10000	-31.68	-13	PASS
Band V	4182	30~1000	-46.88	-13	PASS
Band V	4182	1000~10000	-31.89	-13	PASS
Band V	4233	30~1000	-46.77	-13	PASS
Band V	4233	1000~10000	-32.07	-13	PASS

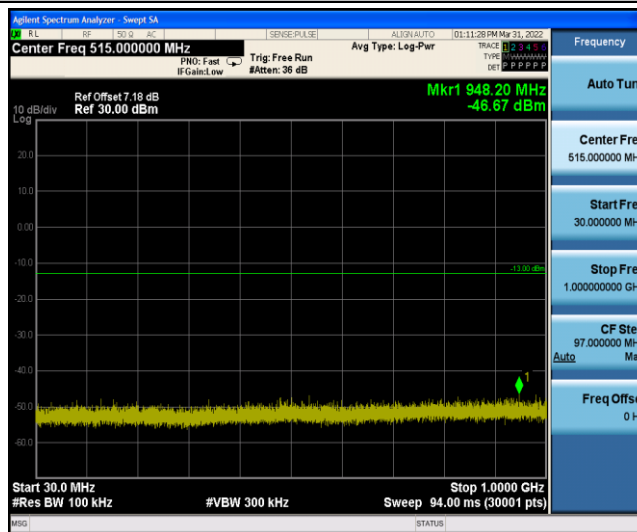
Test Graphs



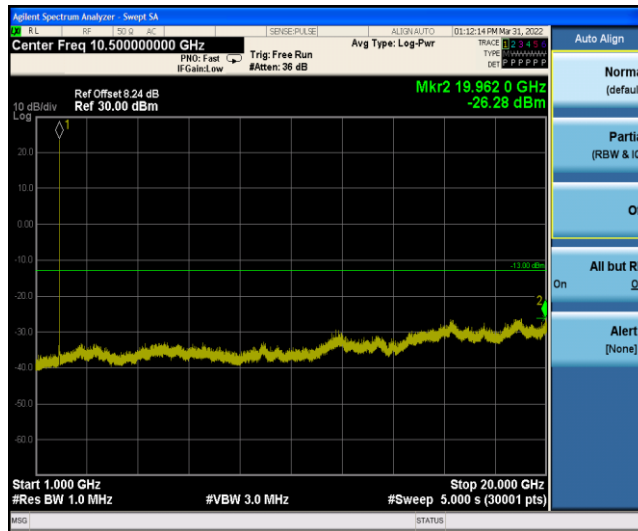
Band II_9262



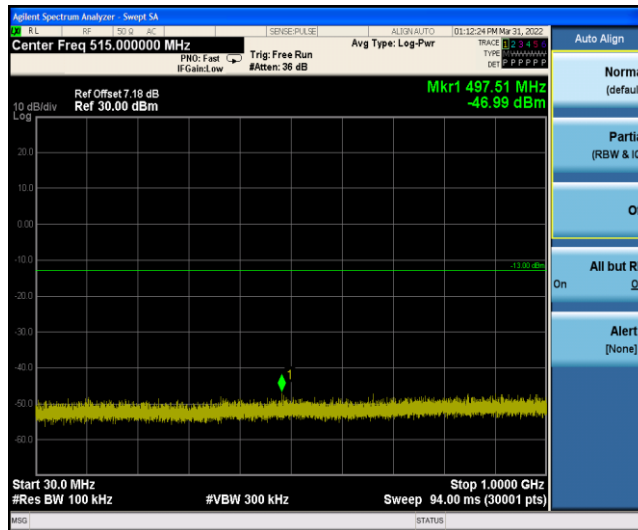
Band II_9262



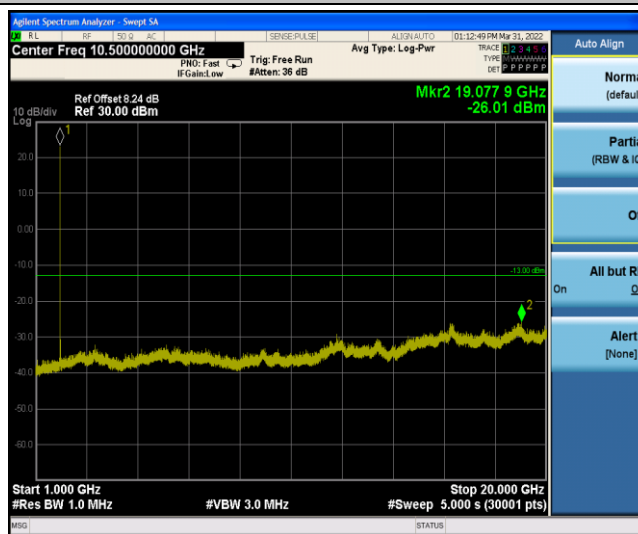
Band II_9400



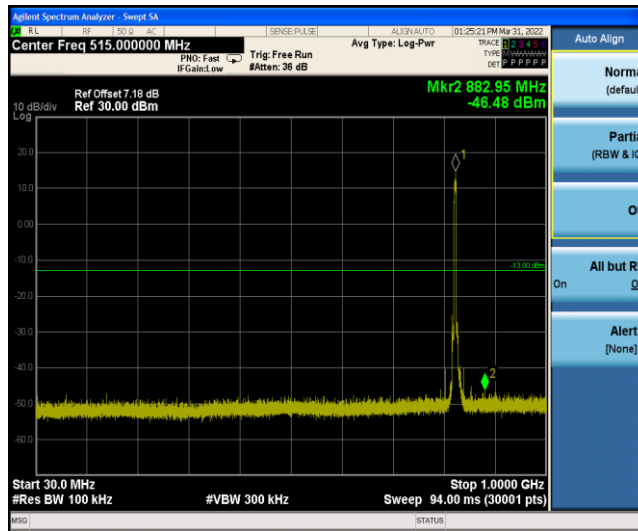
Band II_9400



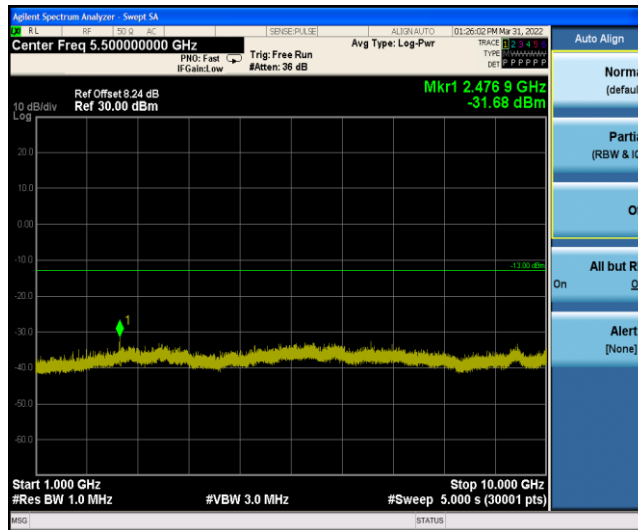
Band II_9538



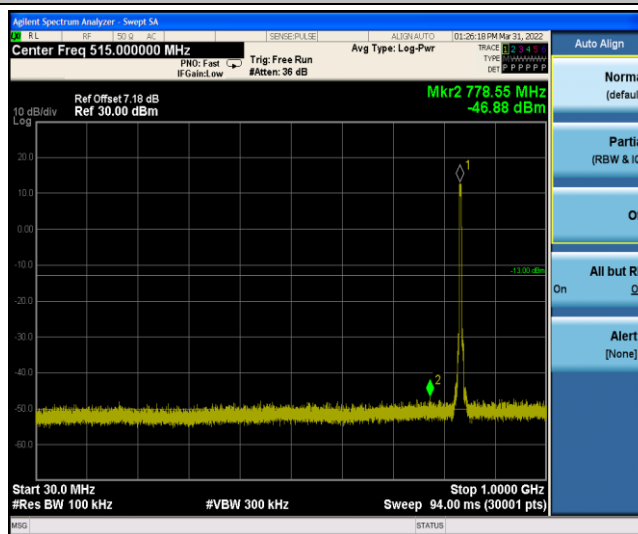
Band II_9538



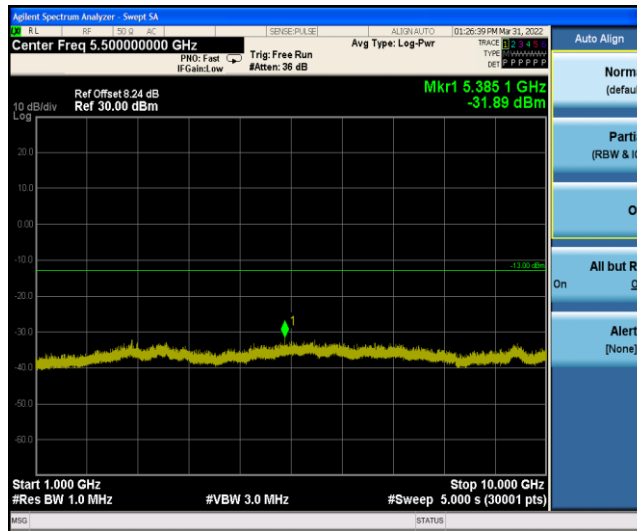
Band V_4132



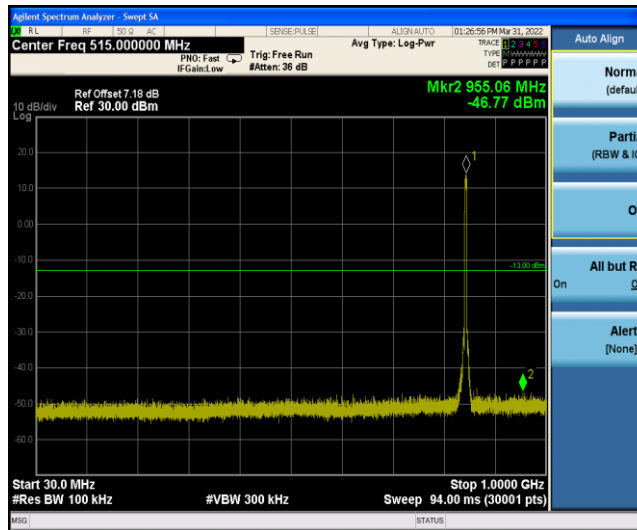
Band V_4132



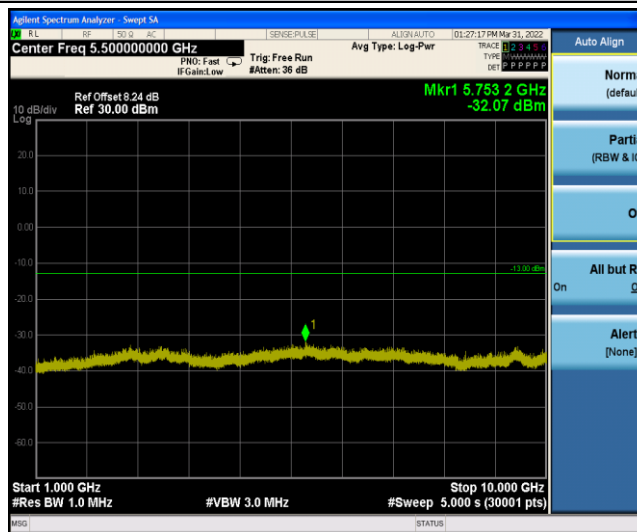
Band V_4182



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	-1.67	-0.000902	2.5	PASS
Band II	9262	VN	TN	-7.00	-0.003779	2.5	PASS
Band II	9262	VH	TN	-9.68	-0.005226	2.5	PASS
Band II	9400	VL	TN	-5.97	-0.003176	2.5	PASS
Band II	9400	VN	TN	3.65	0.001941	2.5	PASS
Band II	9400	VH	TN	-5.07	-0.002697	2.5	PASS
Band II	9538	VL	TN	-9.83	-0.005153	2.5	PASS
Band II	9538	VN	TN	-0.36	-0.000189	2.5	PASS
Band II	9538	VH	TN	2.88	0.001510	2.5	PASS
Band V	4132	VL	TN	-1.47	-0.001779	2.5	PASS
Band V	4132	VN	TN	-1.17	-0.001416	2.5	PASS
Band V	4132	VH	TN	0.92	0.001113	2.5	PASS
Band V	4182	VL	TN	-0.14	-0.000167	2.5	PASS
Band V	4182	VN	TN	-0.47	-0.000562	2.5	PASS
Band V	4182	VH	TN	1.19	0.001423	2.5	PASS
Band V	4233	VL	TN	-0.63	-0.000744	2.5	PASS
Band V	4233	VN	TN	-1.80	-0.002126	2.5	PASS
Band V	4233	VH	TN	-0.14	-0.000165	2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band II	9262	VN	-30	-9.23	-0.004983	2.5	PASS
Band II	9262	VN	-20	-1.02	-0.000551	2.5	PASS
Band II	9262	VN	-10	-3.53	-0.001906	2.5	PASS
Band II	9262	VN	0	-6.06	-0.003271	2.5	PASS
Band II	9262	VN	10	0.73	0.000394	2.5	PASS
Band II	9262	VN	20	-3.93	-0.002122	2.5	PASS
Band II	9262	VN	30	-5.13	-0.002769	2.5	PASS
Band II	9262	VN	40	-5.19	-0.002802	2.5	PASS
Band II	9262	VN	50	-6.22	-0.003358	2.5	PASS
Band II	9400	VN	-30	-0.39	-0.000207	2.5	PASS
Band II	9400	VN	-20	-1.60	-0.000851	2.5	PASS
Band II	9400	VN	-10	-1.34	-0.000713	2.5	PASS
Band II	9400	VN	0	2.89	0.001537	2.5	PASS
Band II	9400	VN	10	-1.76	-0.000936	2.5	PASS
Band II	9400	VN	20	-1.69	-0.000899	2.5	PASS
Band II	9400	VN	30	-2.13	-0.001133	2.5	PASS
Band II	9400	VN	40	-2.44	-0.001298	2.5	PASS
Band II	9400	VN	50	1.65	0.000878	2.5	PASS
Band II	9538	VN	-30	-4.19	-0.002196	2.5	PASS
Band II	9538	VN	-20	-2.45	-0.001284	2.5	PASS
Band II	9538	VN	-10	-1.70	-0.000891	2.5	PASS
Band II	9538	VN	0	-1.24	-0.000650	2.5	PASS
Band II	9538	VN	10	-1.96	-0.001027	2.5	PASS
Band II	9538	VN	20	0.92	0.000482	2.5	PASS
Band II	9538	VN	30	-0.12	-0.000063	2.5	PASS
Band II	9538	VN	40	-6.36	-0.003334	2.5	PASS
Band II	9538	VN	50	-1.89	-0.000991	2.5	PASS
Band V	4132	VN	-30	-0.59	-0.000714	2.5	PASS
Band V	4132	VN	-20	-2.83	-0.003424	2.5	PASS
Band V	4132	VN	-10	-0.85	-0.001029	2.5	PASS
Band V	4132	VN	0	-2.04	-0.002469	2.5	PASS
Band V	4132	VN	10	-3.10	-0.003751	2.5	PASS
Band V	4132	VN	20	-0.07	-0.000085	2.5	PASS
Band V	4132	VN	30	1.85	0.002239	2.5	PASS
Band V	4132	VN	40	0.41	0.000496	2.5	PASS
Band V	4132	VN	50	-0.52	-0.000629	2.5	PASS
Band V	4182	VN	-30	1.93	0.002308	2.5	PASS
Band V	4182	VN	-20	-0.04	-0.000048	2.5	PASS
Band V	4182	VN	-10	1.07	0.001279	2.5	PASS
Band V	4182	VN	0	-0.71	-0.000849	2.5	PASS
Band V	4182	VN	10	1.08	0.001291	2.5	PASS
Band V	4182	VN	20	0.78	0.000933	2.5	PASS
Band V	4182	VN	30	1.65	0.001973	2.5	PASS
Band V	4182	VN	40	0.24	0.000287	2.5	PASS
Band V	4182	VN	50	-0.92	-0.001100	2.5	PASS
Band V	4233	VN	-30	4.01	0.004737	2.5	PASS

Band V	4233	VN	-20	-0.97	-0.001146	2.5	PASS
Band V	4233	VN	-10	-1.54	-0.001819	2.5	PASS
Band V	4233	VN	0	-0.06	-0.000071	2.5	PASS
Band V	4233	VN	10	1.31	0.001547	2.5	PASS
Band V	4233	VN	20	-0.12	-0.000142	2.5	PASS
Band V	4233	VN	30	1.27	0.001500	2.5	PASS
Band V	4233	VN	40	0.97	0.001146	2.5	PASS
Band V	4233	VN	50	-0.89	-0.001051	2.5	PASS

8.7 Appendix G: ERP and EIRP

Test Result

Band	Mode	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP		Limit (W)	Verdict
				(dBm)	(W)		
Band II	WCMDA	24.09	1.10	25.19	0.3304	2	PASS
	HSDPA	23.89	1.10	24.99	0.3155	2	PASS
	HSUPA	23.98	1.10	25.08	0.3221	2	PASS

Band	Mode	Conducted Power (dBm)	Antenna Gain (dBi)	ERP		Limit (W)	Verdict
				(dBm)	(W)		
Band V	WCMDA	25.45	0.20	23.50	0.2239	7	PASS
	HSDPA	23.15	0.20	21.20	0.1318	7	PASS
	HSUPA	23.45	0.20	21.50	0.1413	7	PASS

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