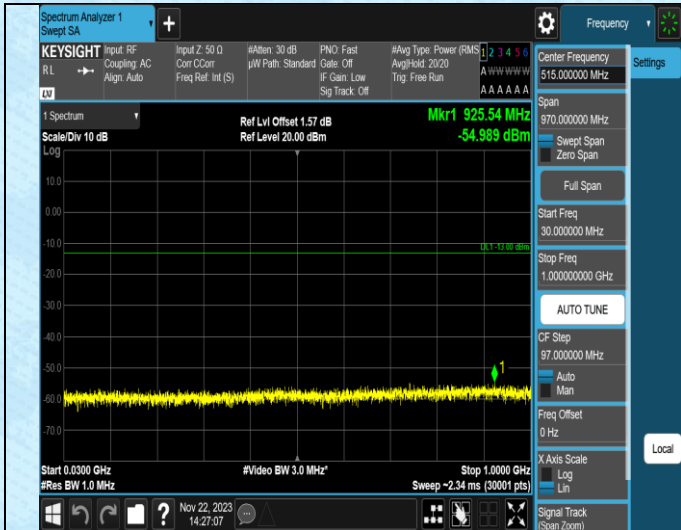




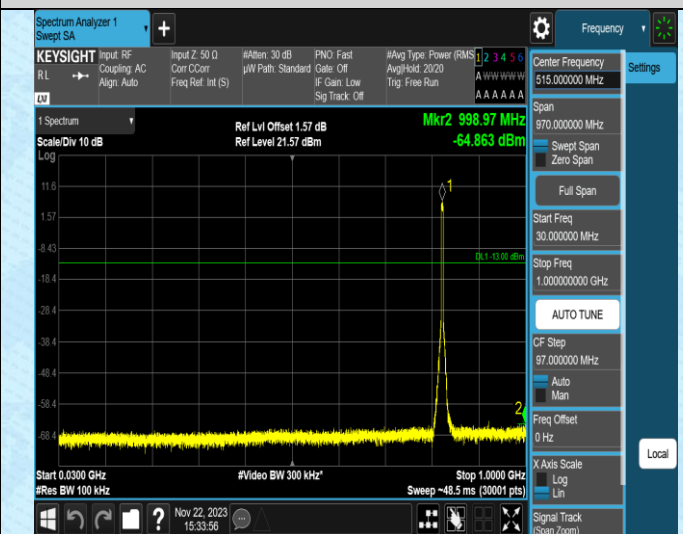
Band2-9538-3000~20000MHz



Band5-4132-30~1000MHz



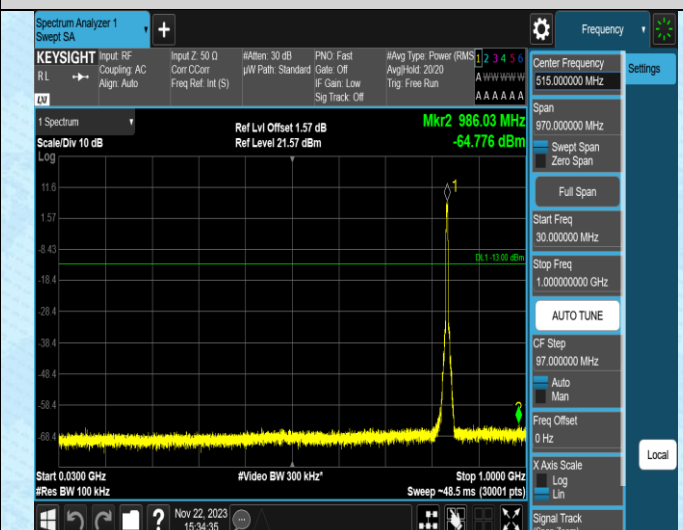
Band5-4132-1000~10000MHz



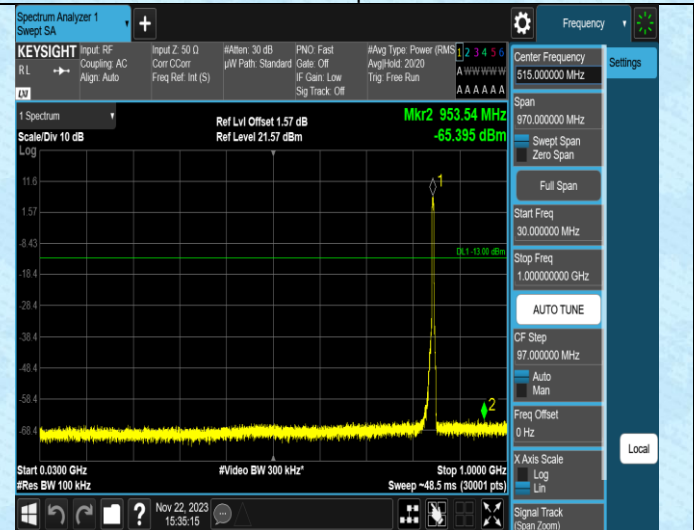
Band5-4182-30~1000MHz



Band5-4182-1000~10000MHz



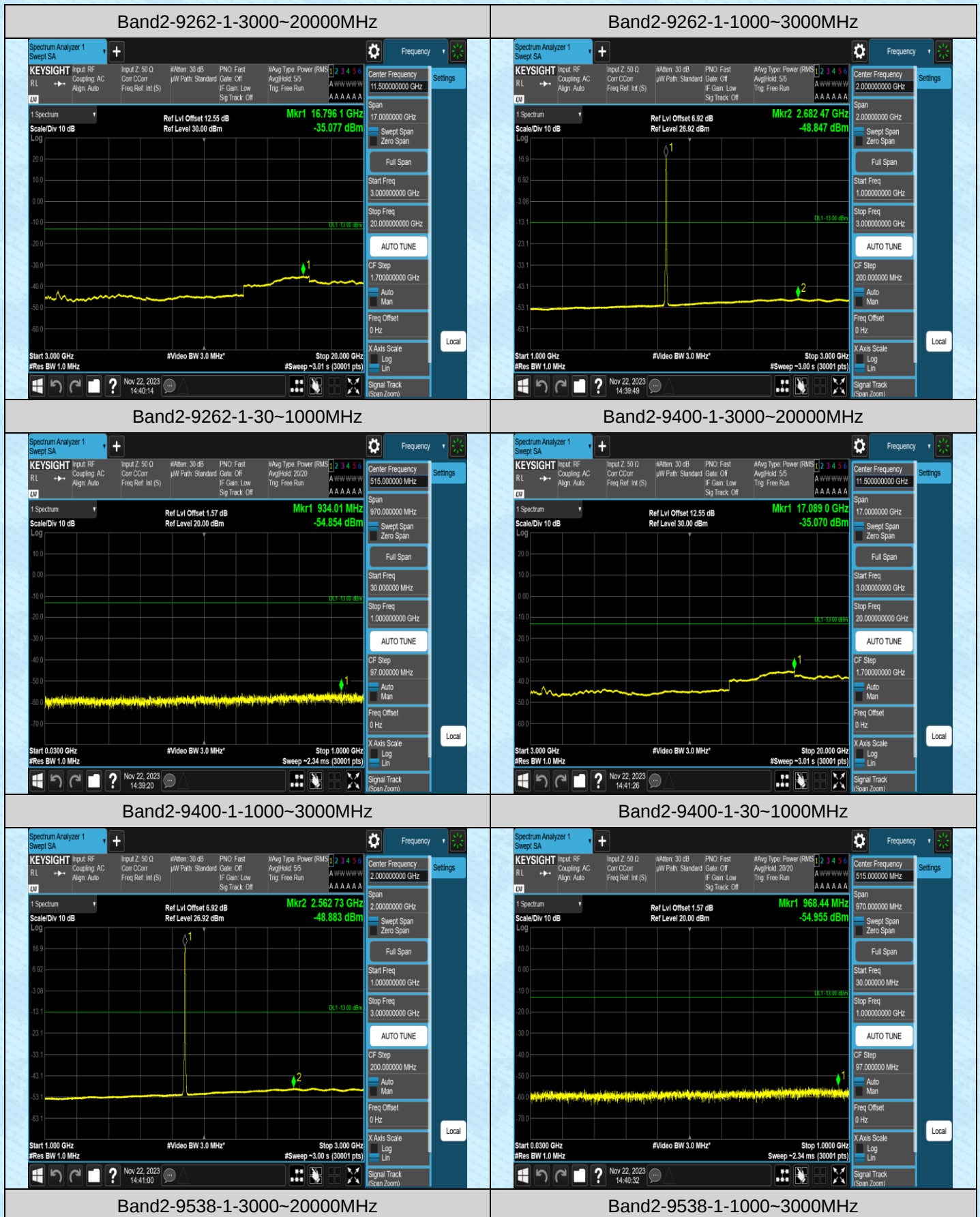
Band5-4233-30~1000MHz



Band5-4233-1000~10000MHz



Test Graphs(HSDPA)

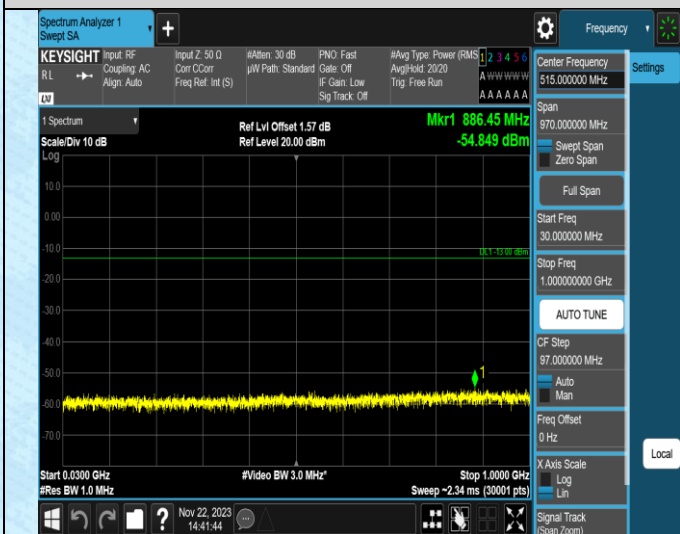




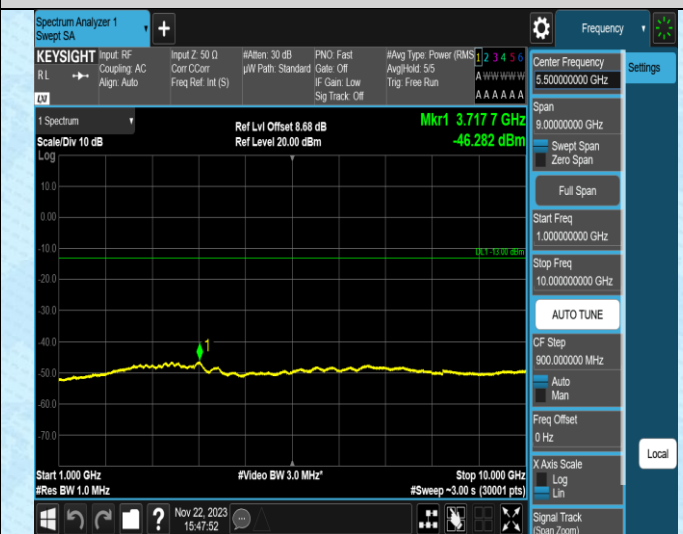
Band2-9538-1-30~1000MHz



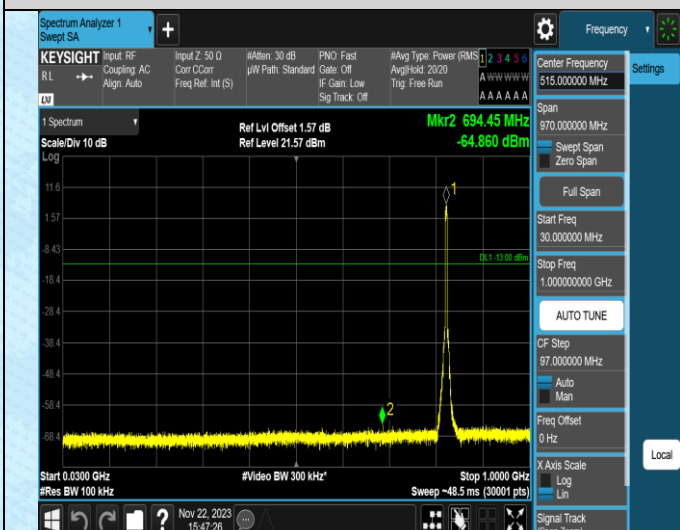
Band5-4132-1-1000~10000MHz



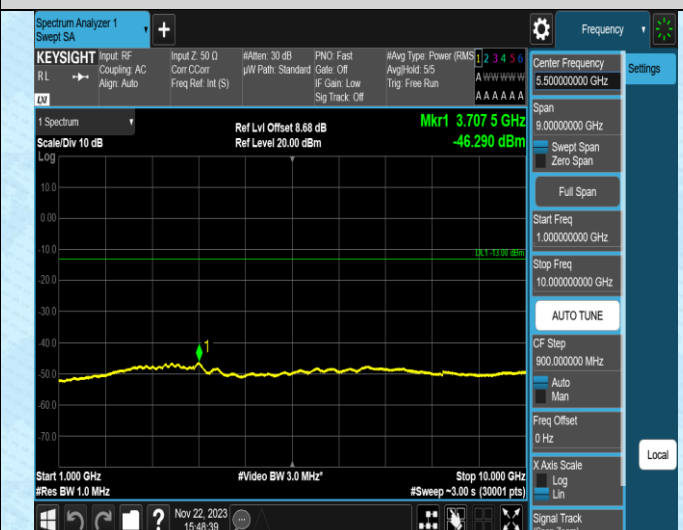
Band5-4132-1-30~1000MHz



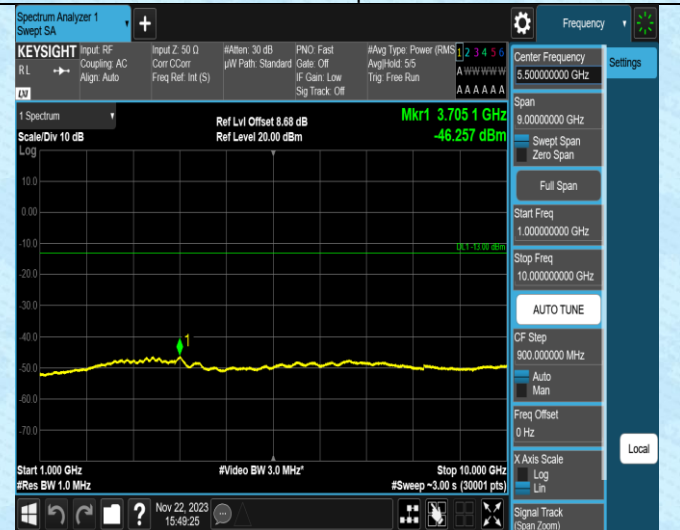
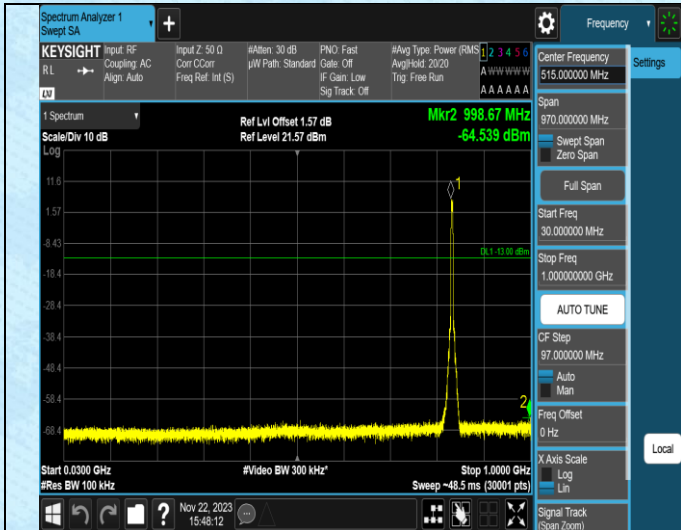
Band5-4182-1-1000~10000MHz



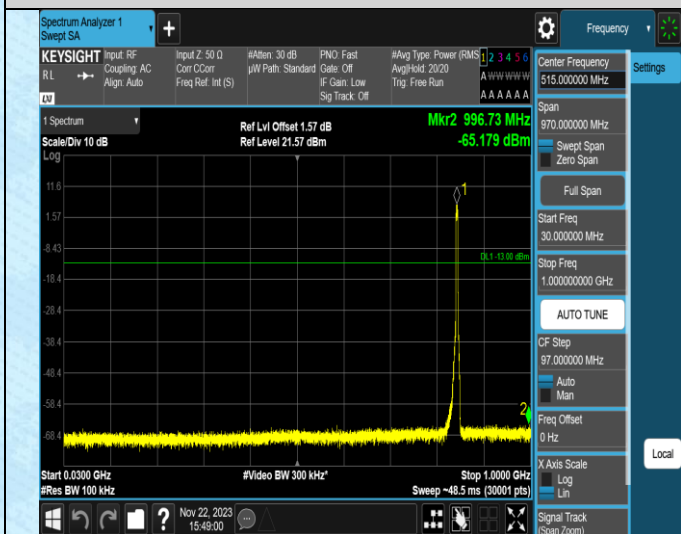
Band5-4182-1-30~1000MHz



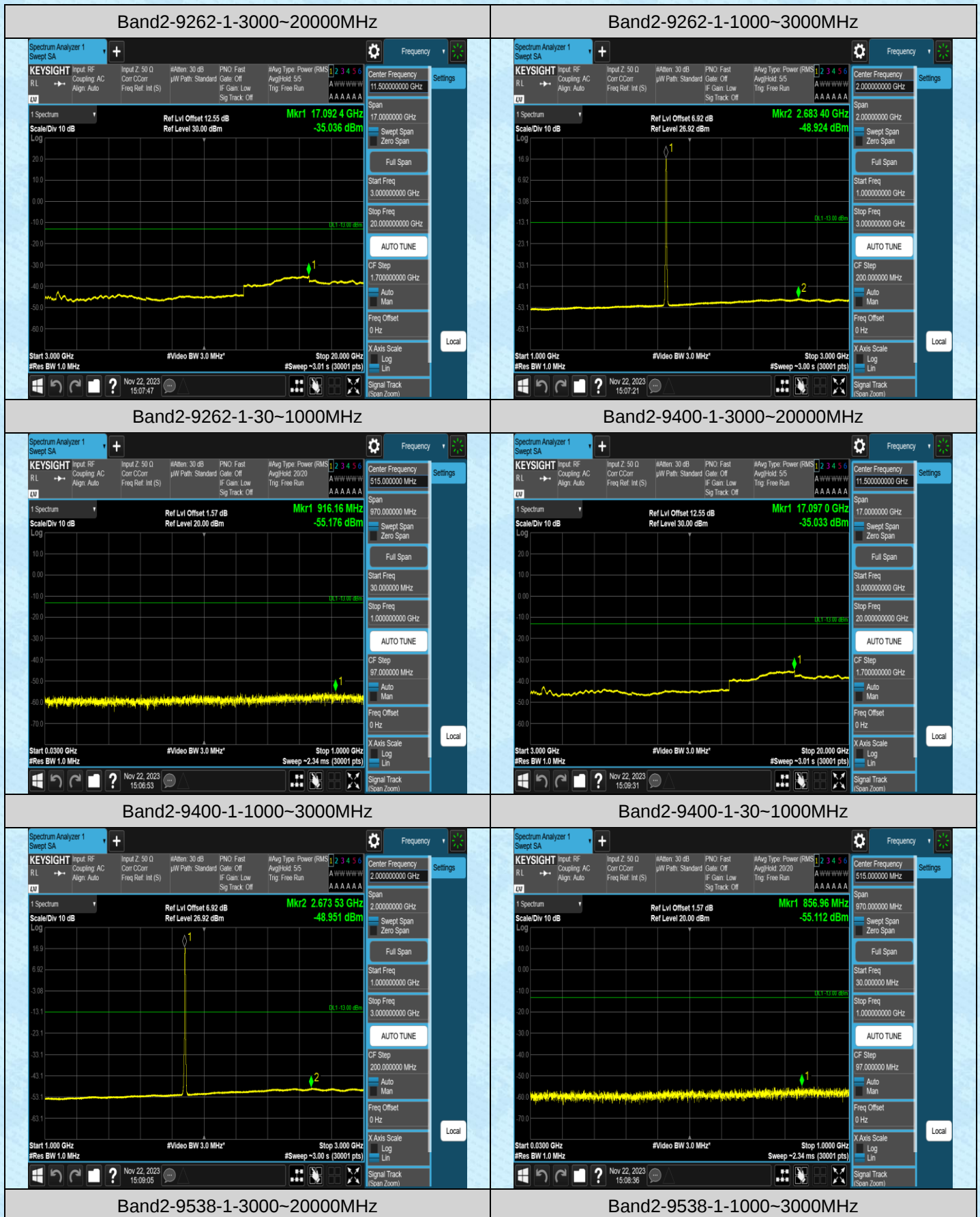
Band5-4233-1-1000~10000MHz

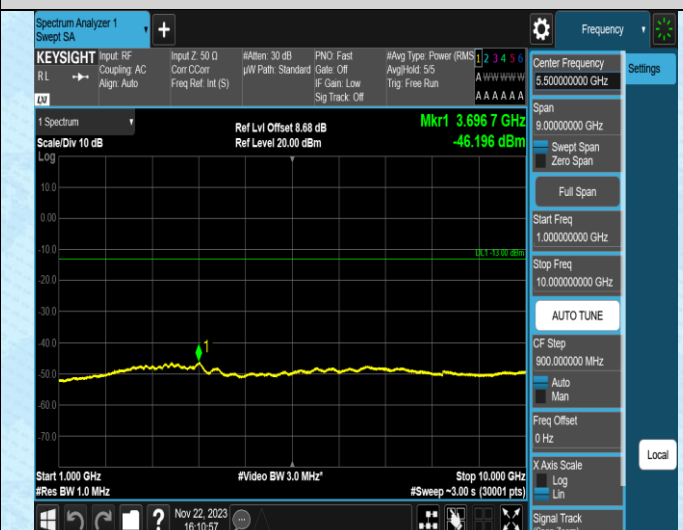
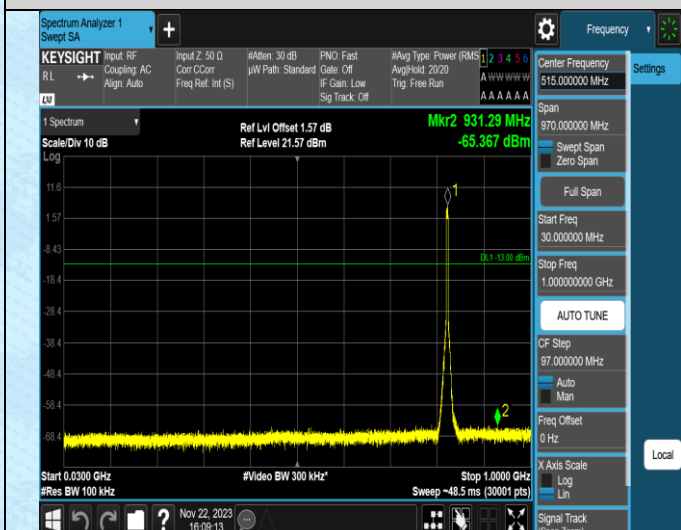
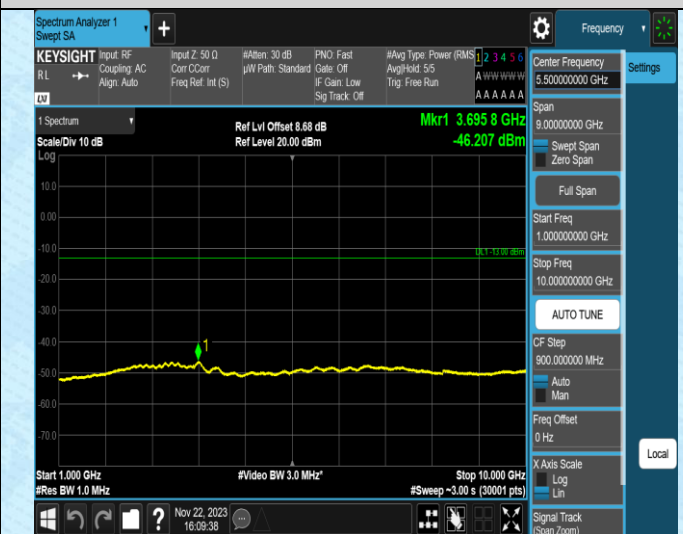
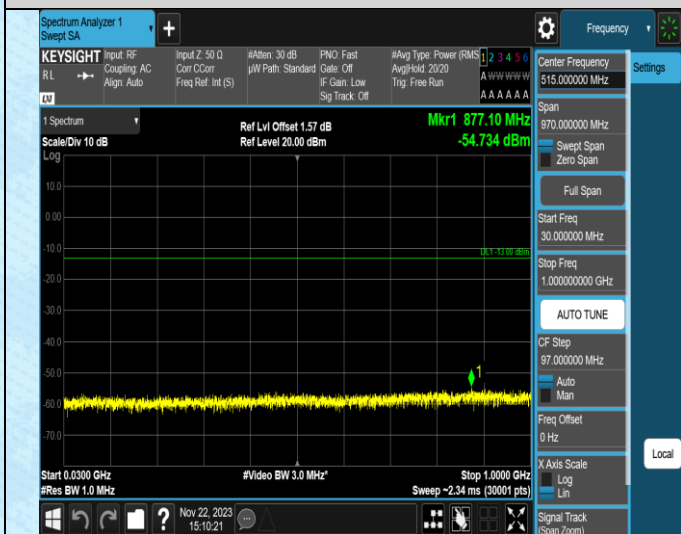


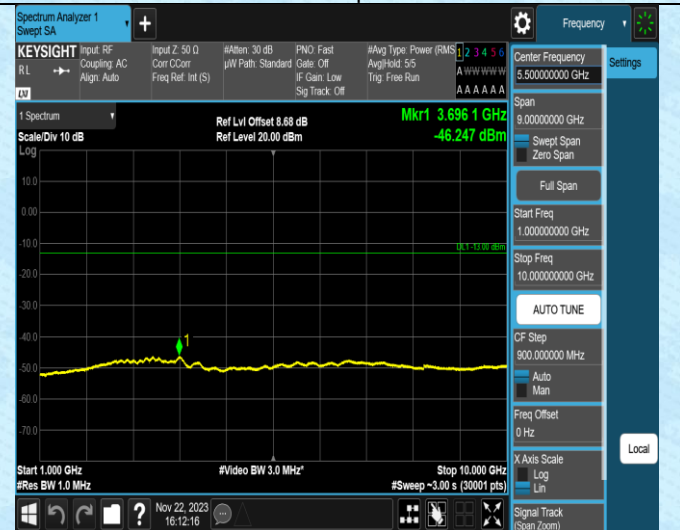
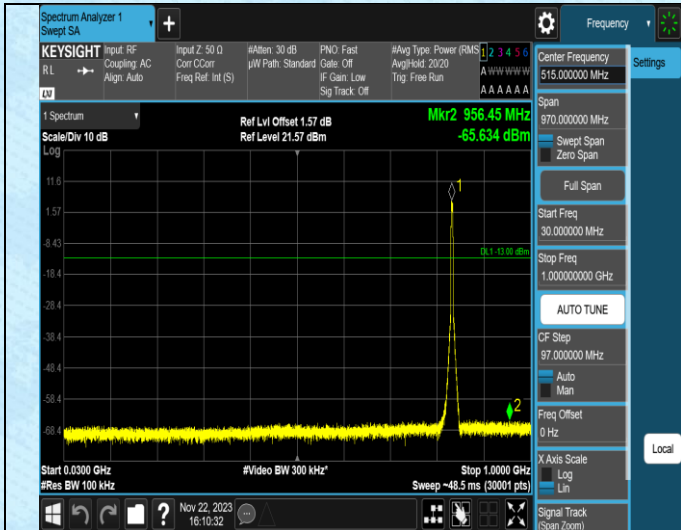
Band5-4233-1-30~1000MHz



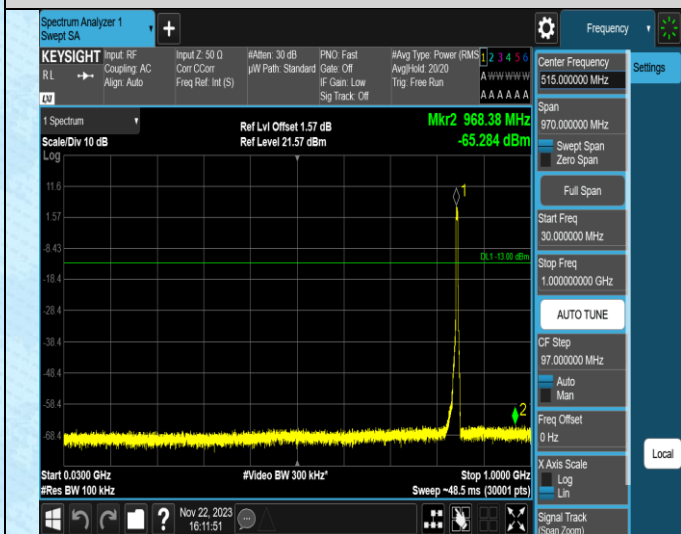
Test Graphs(HSUPA)







Band5-4233-1-30~1000MHz



Appendix F: Frequency Stability

Test Result (WCDMA)

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	VL	NT	0.39	0.000211	±2.5	PASS
Band2	9262	VN	NT	-1.05	-0.000567	±2.5	PASS
Band2	9262	VH	NT	1.19	0.000642	±2.5	PASS
Band2	9400	VL	NT	-1.22	-0.000649	±2.5	PASS
Band2	9400	VN	NT	-1.28	-0.000681	±2.5	PASS
Band2	9400	VH	NT	-0.77	-0.000410	±2.5	PASS
Band2	9538	VL	NT	-2.10	-0.001101	±2.5	PASS
Band2	9538	VN	NT	-1.81	-0.000949	±2.5	PASS
Band2	9538	VH	NT	-1.67	-0.000875	±2.5	PASS
Band5	4132	VL	NT	-0.79	-0.000956	±2.5	PASS
Band5	4132	VN	NT	-1.98	-0.002396	±2.5	PASS
Band5	4132	VH	NT	-0.12	-0.000145	±2.5	PASS
Band5	4182	VL	NT	-0.19	-0.000227	±2.5	PASS
Band5	4182	VN	NT	-0.14	-0.000167	±2.5	PASS
Band5	4182	VH	NT	-0.06	-0.000072	±2.5	PASS
Band5	4233	VL	NT	-1.14	-0.001347	±2.5	PASS
Band5	4233	VN	NT	-1.19	-0.001406	±2.5	PASS
Band5	4233	VH	NT	-1.04	-0.001228	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	NV	-30	1.78	0.000961	±2.5	PASS
Band2	9262	NV	-20	1.75	0.000945	±2.5	PASS
Band2	9262	NV	-10	1.95	0.001053	±2.5	PASS
Band2	9262	NV	0	1.72	0.000929	±2.5	PASS
Band2	9262	NV	10	1.59	0.000858	±2.5	PASS
Band2	9262	NV	20	1.67	0.000902	±2.5	PASS
Band2	9262	NV	30	1.47	0.000794	±2.5	PASS
Band2	9262	NV	40	1.33	0.000718	±2.5	PASS
Band2	9262	NV	50	1.26	0.000680	±2.5	PASS
Band2	9400	NV	-30	-0.59	-0.000314	±2.5	PASS
Band2	9400	NV	-20	-0.94	-0.000500	±2.5	PASS
Band2	9400	NV	-10	-0.49	-0.000261	±2.5	PASS

Band2	9400	NV	0	-0.64	-0.000340	±2.5	PASS
Band2	9400	NV	10	-0.98	-0.000521	±2.5	PASS
Band2	9400	NV	20	-0.79	-0.000420	±2.5	PASS
Band2	9400	NV	30	-0.47	-0.000250	±2.5	PASS
Band2	9400	NV	40	-0.49	-0.000261	±2.5	PASS
Band2	9400	NV	50	-0.75	-0.000399	±2.5	PASS
Band2	9538	NV	-30	-1.77	-0.000928	±2.5	PASS
Band2	9538	NV	-20	-2.10	-0.001101	±2.5	PASS
Band2	9538	NV	-10	-2.24	-0.001174	±2.5	PASS
Band2	9538	NV	0	-2.50	-0.001311	±2.5	PASS
Band2	9538	NV	10	-2.45	-0.001284	±2.5	PASS
Band2	9538	NV	20	-2.13	-0.001117	±2.5	PASS
Band2	9538	NV	30	-2.32	-0.001216	±2.5	PASS
Band2	9538	NV	40	-2.17	-0.001138	±2.5	PASS
Band2	9538	NV	50	-2.25	-0.001179	±2.5	PASS
Band5	4132	NV	-30	0.26	0.000315	±2.5	PASS
Band5	4132	NV	-20	0.54	0.000653	±2.5	PASS
Band5	4132	NV	-10	0.83	0.001004	±2.5	PASS
Band5	4132	NV	0	0.83	0.001004	±2.5	PASS
Band5	4132	NV	10	0.87	0.001053	±2.5	PASS
Band5	4132	NV	20	1.05	0.001271	±2.5	PASS
Band5	4132	NV	30	0.90	0.001089	±2.5	PASS
Band5	4132	NV	40	1.08	0.001307	±2.5	PASS
Band5	4132	NV	50	1.03	0.001246	±2.5	PASS
Band5	4182	NV	-30	-0.18	-0.000215	±2.5	PASS
Band5	4182	NV	-20	-0.10	-0.000120	±2.5	PASS
Band5	4182	NV	-10	-0.24	-0.000287	±2.5	PASS
Band5	4182	NV	0	-0.24	-0.000287	±2.5	PASS
Band5	4182	NV	10	-0.01	-0.000012	±2.5	PASS
Band5	4182	NV	20	-0.19	-0.000227	±2.5	PASS
Band5	4182	NV	30	-0.10	-0.000120	±2.5	PASS
Band5	4182	NV	40	-0.22	-0.000263	±2.5	PASS
Band5	4182	NV	50	-0.04	-0.000048	±2.5	PASS
Band5	4233	NV	-30	-1.07	-0.001264	±2.5	PASS
Band5	4233	NV	-20	-1.05	-0.001240	±2.5	PASS
Band5	4233	NV	-10	-1.09	-0.001288	±2.5	PASS
Band5	4233	NV	0	-0.99	-0.001169	±2.5	PASS
Band5	4233	NV	10	-0.95	-0.001122	±2.5	PASS

Band5	4233	NV	20	-0.92	-0.001087	±2.5	PASS
Band5	4233	NV	30	-1.00	-0.001181	±2.5	PASS
Band5	4233	NV	40	-0.99	-0.001169	±2.5	PASS
Band5	4233	NV	50	-1.05	-0.001240	±2.5	PASS

Test Result(HSDPA)

Voltage								
Band	Channel	SubT est	Voltage (Vdc)	Temperat ure (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	1	VL	NT	-1.55	-0.000837	±2.5	PASS
Band2	9262	1	VN	NT	-1.93	-0.001042	±2.5	PASS
Band2	9262	1	VH	NT	-1.91	-0.001031	±2.5	PASS
Band2	9400	1	VL	NT	-1.70	-0.000904	±2.5	PASS
Band2	9400	1	VN	NT	-1.45	-0.000771	±2.5	PASS
Band2	9400	1	VH	NT	-1.81	-0.000963	±2.5	PASS
Band2	9538	1	VL	NT	-2.37	-0.001242	±2.5	PASS
Band2	9538	1	VN	NT	-2.30	-0.001206	±2.5	PASS
Band2	9538	1	VH	NT	-1.85	-0.000970	±2.5	PASS
Band5	4132	1	VL	NT	-0.70	-0.000847	±2.5	PASS
Band5	4132	1	VN	NT	-0.77	-0.000932	±2.5	PASS
Band5	4132	1	VH	NT	-0.90	-0.001089	±2.5	PASS
Band5	4182	1	VL	NT	-0.64	-0.000765	±2.5	PASS
Band5	4182	1	VN	NT	-0.92	-0.001100	±2.5	PASS
Band5	4182	1	VH	NT	-1.01	-0.001208	±2.5	PASS
Band5	4233	1	VL	NT	-0.94	-0.001110	±2.5	PASS
Band5	4233	1	VN	NT	-0.67	-0.000791	±2.5	PASS
Band5	4233	1	VH	NT	-1.09	-0.001288	±2.5	PASS

Temperature								
Band	Channel	SubT est	Voltage (Vdc)	Temperat ure (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	1	NV	-30	-1.89	-0.001020	±2.5	PASS
Band2	9262	1	NV	-20	-1.63	-0.000880	±2.5	PASS
Band2	9262	1	NV	-10	-1.97	-0.001063	±2.5	PASS
Band2	9262	1	NV	0	-2.37	-0.001279	±2.5	PASS
Band2	9262	1	NV	10	-1.51	-0.000815	±2.5	PASS
Band2	9262	1	NV	20	-2.19	-0.001182	±2.5	PASS
Band2	9262	1	NV	30	-1.68	-0.000907	±2.5	PASS
Band2	9262	1	NV	40	-2.22	-0.001198	±2.5	PASS

Band2	9262	1	NV	50	-2.18	-0.001177	±2.5	PASS
Band2	9400	1	NV	-30	-2.19	-0.001165	±2.5	PASS
Band2	9400	1	NV	-20	-2.61	-0.001388	±2.5	PASS
Band2	9400	1	NV	-10	-2.68	-0.001426	±2.5	PASS
Band2	9400	1	NV	0	-1.92	-0.001021	±2.5	PASS
Band2	9400	1	NV	10	-2.01	-0.001069	±2.5	PASS
Band2	9400	1	NV	20	-1.85	-0.000984	±2.5	PASS
Band2	9400	1	NV	30	-3.11	-0.001654	±2.5	PASS
Band2	9400	1	NV	40	-2.49	-0.001324	±2.5	PASS
Band2	9400	1	NV	50	-2.55	-0.001356	±2.5	PASS
Band2	9538	1	NV	-30	-1.58	-0.000828	±2.5	PASS
Band2	9538	1	NV	-20	-1.55	-0.000813	±2.5	PASS
Band2	9538	1	NV	-10	-1.27	-0.000666	±2.5	PASS
Band2	9538	1	NV	0	-2.23	-0.001169	±2.5	PASS
Band2	9538	1	NV	10	-1.75	-0.000917	±2.5	PASS
Band2	9538	1	NV	20	-2.27	-0.001190	±2.5	PASS
Band2	9538	1	NV	30	-2.34	-0.001227	±2.5	PASS
Band2	9538	1	NV	40	-1.88	-0.000986	±2.5	PASS
Band2	9538	1	NV	50	-1.60	-0.000839	±2.5	PASS
Band5	4132	1	NV	-30	-1.00	-0.001210	±2.5	PASS
Band5	4132	1	NV	-20	-0.91	-0.001101	±2.5	PASS
Band5	4132	1	NV	-10	-1.20	-0.001452	±2.5	PASS
Band5	4132	1	NV	0	-0.94	-0.001137	±2.5	PASS
Band5	4132	1	NV	10	-0.94	-0.001137	±2.5	PASS
Band5	4132	1	NV	20	-0.89	-0.001077	±2.5	PASS
Band5	4132	1	NV	30	-0.72	-0.000871	±2.5	PASS
Band5	4132	1	NV	40	-0.94	-0.001137	±2.5	PASS
Band5	4132	1	NV	50	-0.94	-0.001137	±2.5	PASS
Band5	4182	1	NV	-30	-1.11	-0.001327	±2.5	PASS
Band5	4182	1	NV	-20	-0.77	-0.000921	±2.5	PASS
Band5	4182	1	NV	-10	-0.64	-0.000765	±2.5	PASS
Band5	4182	1	NV	0	-0.80	-0.000956	±2.5	PASS
Band5	4182	1	NV	10	-0.95	-0.001136	±2.5	PASS
Band5	4182	1	NV	20	-1.05	-0.001255	±2.5	PASS
Band5	4182	1	NV	30	-1.16	-0.001387	±2.5	PASS
Band5	4182	1	NV	40	-0.72	-0.000861	±2.5	PASS
Band5	4182	1	NV	50	-0.76	-0.000909	±2.5	PASS
Band5	4233	1	NV	-30	-0.90	-0.001063	±2.5	PASS

Band5	4233	1	NV	-20	-1.01	-0.001193	±2.5	PASS
Band5	4233	1	NV	-10	-0.98	-0.001158	±2.5	PASS
Band5	4233	1	NV	0	-0.82	-0.000969	±2.5	PASS
Band5	4233	1	NV	10	-0.80	-0.000945	±2.5	PASS
Band5	4233	1	NV	20	-0.97	-0.001146	±2.5	PASS
Band5	4233	1	NV	30	-0.93	-0.001099	±2.5	PASS
Band5	4233	1	NV	40	-1.07	-0.001264	±2.5	PASS
Band5	4233	1	NV	50	-1.27	-0.001500	±2.5	PASS

Test Result(HSUPA)

Voltage								
Band	Channel	SubT est	Voltage (Vdc)	Temperat ure (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	1	VL	NT	1.88	0.001015	±2.5	PASS
Band2	9262	1	VN	NT	1.10	0.000594	±2.5	PASS
Band2	9262	1	VH	NT	2.09	0.001128	±2.5	PASS
Band2	9400	1	VL	NT	2.15	0.001144	±2.5	PASS
Band2	9400	1	VN	NT	2.81	0.001495	±2.5	PASS
Band2	9400	1	VH	NT	2.04	0.001085	±2.5	PASS
Band2	9538	1	VL	NT	2.48	0.001300	±2.5	PASS
Band2	9538	1	VN	NT	2.87	0.001505	±2.5	PASS
Band2	9538	1	VH	NT	1.80	0.000944	±2.5	PASS
Band5	4132	1	VL	NT	0.84	0.001016	±2.5	PASS
Band5	4132	1	VN	NT	0.32	0.000387	±2.5	PASS
Band5	4132	1	VH	NT	0.96	0.001162	±2.5	PASS
Band5	4182	1	VL	NT	1.38	0.001650	±2.5	PASS
Band5	4182	1	VN	NT	1.20	0.001435	±2.5	PASS
Band5	4182	1	VH	NT	1.35	0.001614	±2.5	PASS
Band5	4233	1	VL	NT	1.42	0.001677	±2.5	PASS
Band5	4233	1	VN	NT	1.41	0.001665	±2.5	PASS
Band5	4233	1	VH	NT	1.09	0.001288	±2.5	PASS

Temperature								
Band	Channel	SubT est	Voltage (Vdc)	Temperat ure (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	1	NV	-30	2.25	0.001215	±2.5	PASS
Band2	9262	1	NV	-20	2.13	0.001150	±2.5	PASS
Band2	9262	1	NV	-10	2.32	0.001252	±2.5	PASS
Band2	9262	1	NV	0	2.09	0.001128	±2.5	PASS

Band2	9262	1	NV	10	2.01	0.001085	±2.5	PASS
Band2	9262	1	NV	20	1.98	0.001069	±2.5	PASS
Band2	9262	1	NV	30	1.92	0.001036	±2.5	PASS
Band2	9262	1	NV	40	1.97	0.001063	±2.5	PASS
Band2	9262	1	NV	50	1.86	0.001004	±2.5	PASS
Band2	9400	1	NV	-30	2.03	0.001080	±2.5	PASS
Band2	9400	1	NV	-20	2.14	0.001138	±2.5	PASS
Band2	9400	1	NV	-10	1.65	0.000878	±2.5	PASS
Band2	9400	1	NV	0	2.25	0.001197	±2.5	PASS
Band2	9400	1	NV	10	1.22	0.000649	±2.5	PASS
Band2	9400	1	NV	20	1.67	0.000888	±2.5	PASS
Band2	9400	1	NV	30	1.60	0.000851	±2.5	PASS
Band2	9400	1	NV	40	1.29	0.000686	±2.5	PASS
Band2	9400	1	NV	50	1.42	0.000755	±2.5	PASS
Band2	9538	1	NV	-30	1.94	0.001017	±2.5	PASS
Band2	9538	1	NV	-20	1.47	0.000771	±2.5	PASS
Band2	9538	1	NV	-10	1.60	0.000839	±2.5	PASS
Band2	9538	1	NV	0	1.52	0.000797	±2.5	PASS
Band2	9538	1	NV	10	1.43	0.000750	±2.5	PASS
Band2	9538	1	NV	20	1.29	0.000676	±2.5	PASS
Band2	9538	1	NV	30	1.19	0.000624	±2.5	PASS
Band2	9538	1	NV	40	1.30	0.000681	±2.5	PASS
Band2	9538	1	NV	50	1.16	0.000608	±2.5	PASS
Band5	4132	1	NV	-30	1.34	0.001621	±2.5	PASS
Band5	4132	1	NV	-20	1.11	0.001343	±2.5	PASS
Band5	4132	1	NV	-10	1.18	0.001428	±2.5	PASS
Band5	4132	1	NV	0	1.19	0.001440	±2.5	PASS
Band5	4132	1	NV	10	1.32	0.001597	±2.5	PASS
Band5	4132	1	NV	20	1.17	0.001416	±2.5	PASS
Band5	4132	1	NV	30	1.17	0.001416	±2.5	PASS
Band5	4132	1	NV	40	1.14	0.001379	±2.5	PASS
Band5	4132	1	NV	50	1.06	0.001283	±2.5	PASS
Band5	4182	1	NV	-30	1.24	0.001483	±2.5	PASS
Band5	4182	1	NV	-20	1.08	0.001291	±2.5	PASS
Band5	4182	1	NV	-10	1.24	0.001483	±2.5	PASS
Band5	4182	1	NV	0	1.09	0.001303	±2.5	PASS
Band5	4182	1	NV	10	1.17	0.001399	±2.5	PASS
Band5	4182	1	NV	20	1.05	0.001255	±2.5	PASS

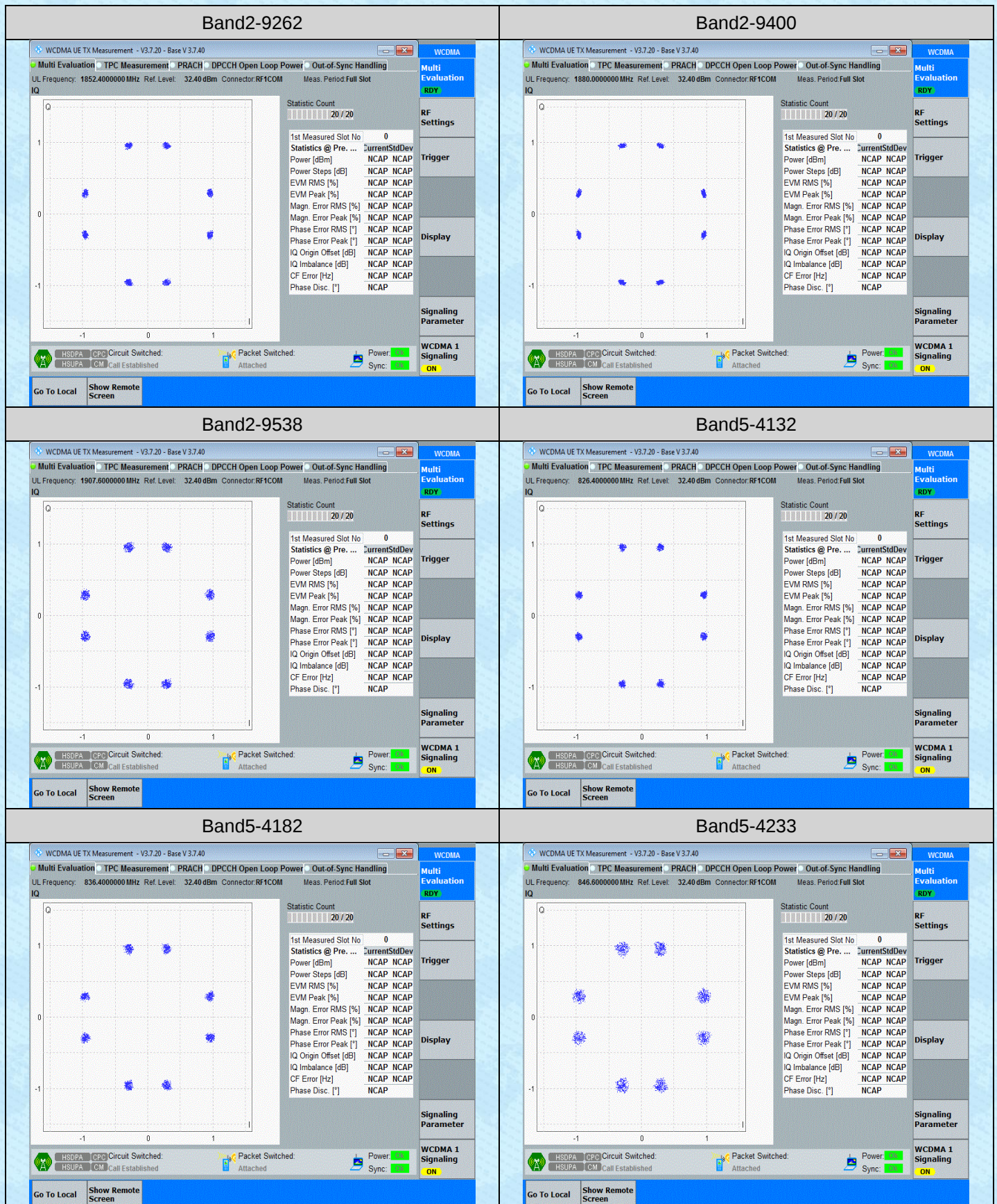
Band5	4182	1	NV	30	1.02	0.001220	±2.5	PASS
Band5	4182	1	NV	40	0.89	0.001064	±2.5	PASS
Band5	4182	1	NV	50	0.97	0.001160	±2.5	PASS
Band5	4233	1	NV	-30	1.07	0.001264	±2.5	PASS
Band5	4233	1	NV	-20	1.17	0.001382	±2.5	PASS
Band5	4233	1	NV	-10	1.12	0.001323	±2.5	PASS
Band5	4233	1	NV	0	0.87	0.001028	±2.5	PASS
Band5	4233	1	NV	10	0.94	0.001110	±2.5	PASS
Band5	4233	1	NV	20	0.89	0.001051	±2.5	PASS
Band5	4233	1	NV	30	0.80	0.000945	±2.5	PASS
Band5	4233	1	NV	40	0.98	0.001158	±2.5	PASS
Band5	4233	1	NV	50	0.81	0.000957	±2.5	PASS

AppendixG: Modulationcharacteristics

Test Result(WCDMA)

Band	Channel	Result	Limit	Verdict
Band2	9262	PASS	---	PASS
Band2	9400	PASS	---	PASS
Band2	9538	PASS	---	PASS
Band5	4132	PASS	---	PASS
Band5	4182	PASS	---	PASS
Band5	4233	PASS	---	PASS

Test Graphs(WCDMA)



-----End-----