
AppendixA:Peak-to-Average Ratio

Test Result

Rel99:

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	3.94	13	PASS
Band4	1413	3.70	13	PASS
Band5	4183	3.62	13	PASS

HSDPA:

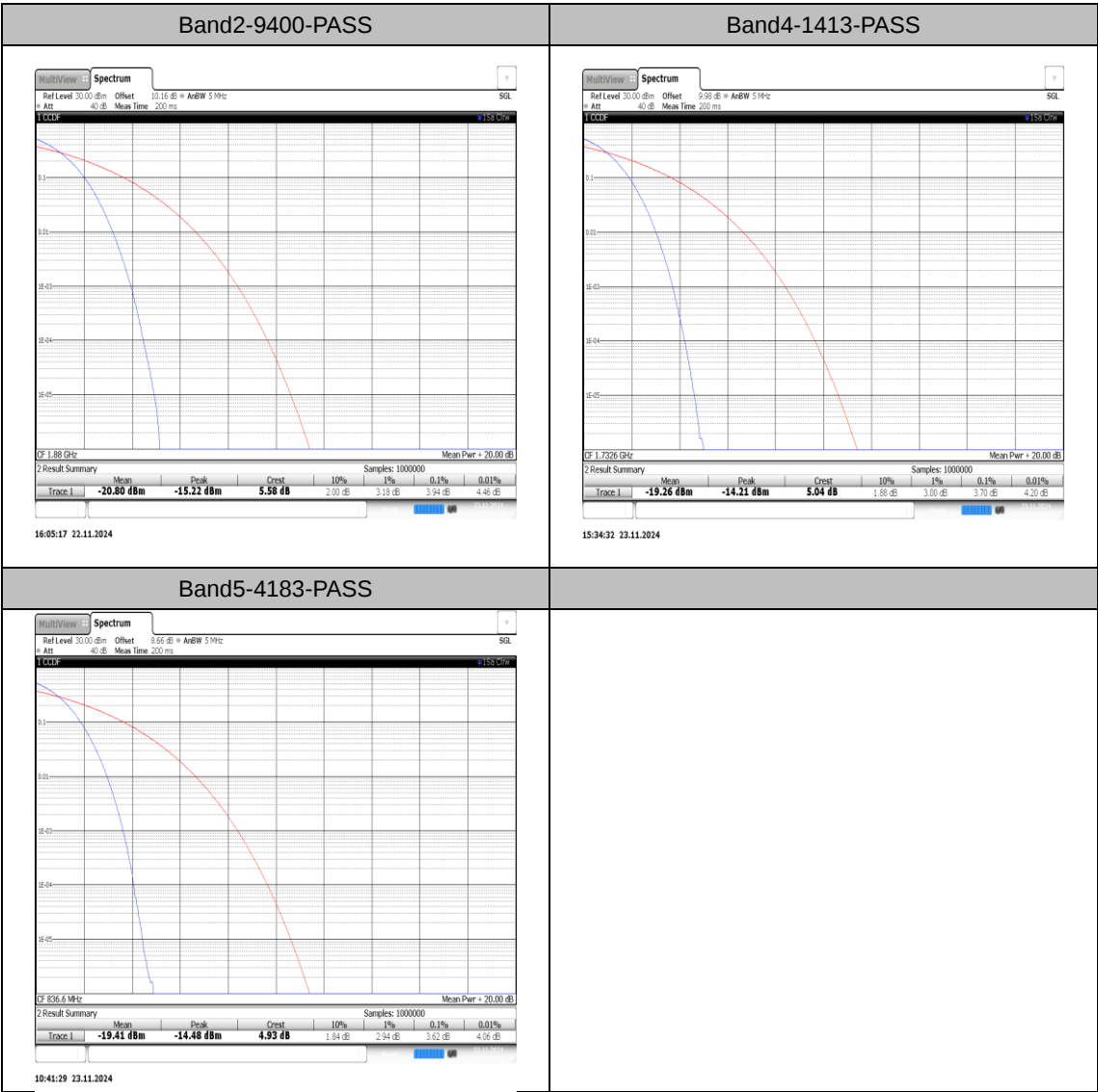
Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	4	3.9	13	PASS
Band4	1413	4	3.94	13	PASS
Band5	4183	4	3.84	13	PASS

HSUPA:

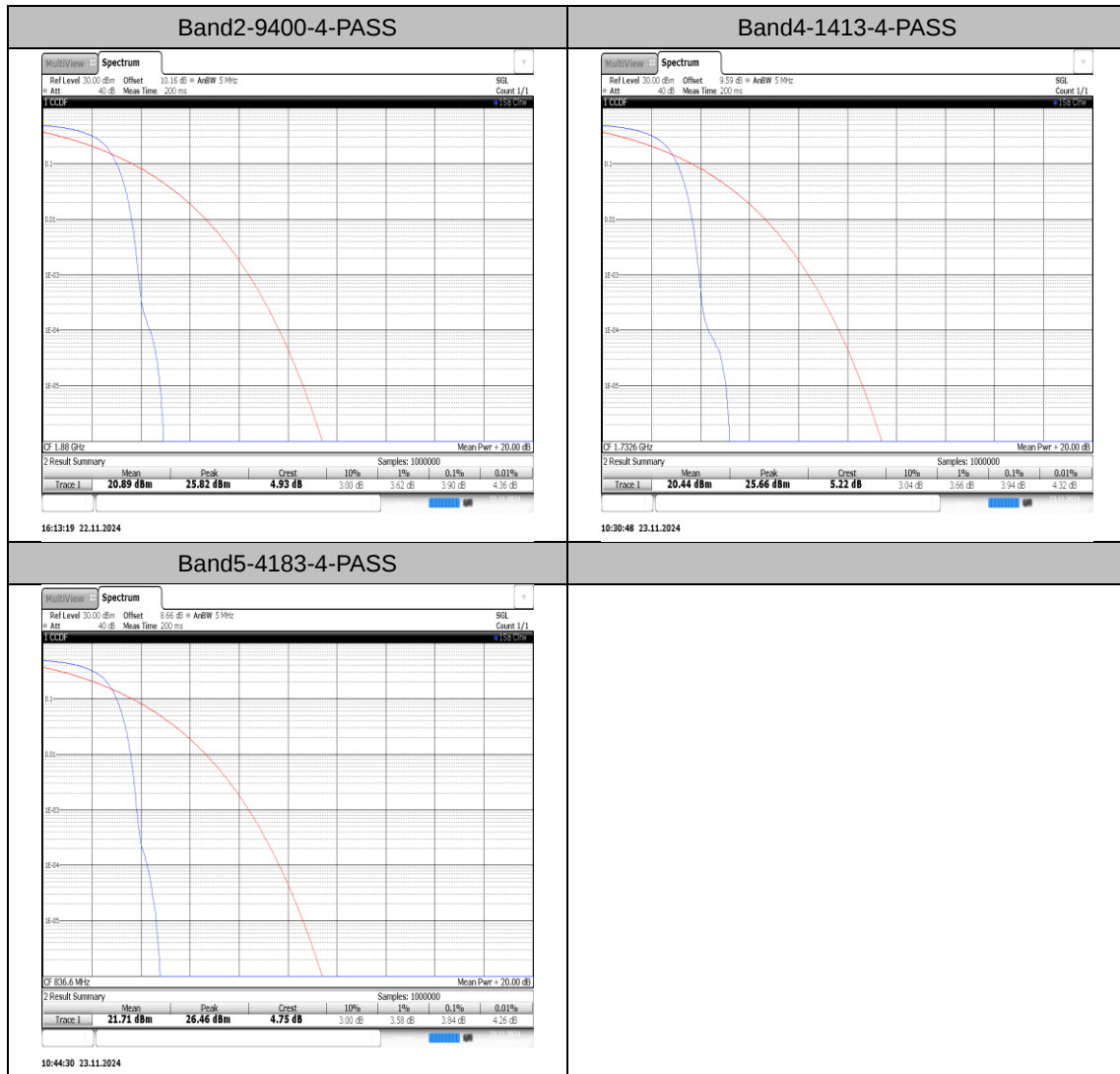
Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9400	5	3.58	13	PASS
Band4	1413	5	3.64	13	PASS
Band5	4183	5	3.5	13	PASS

Test Graphs

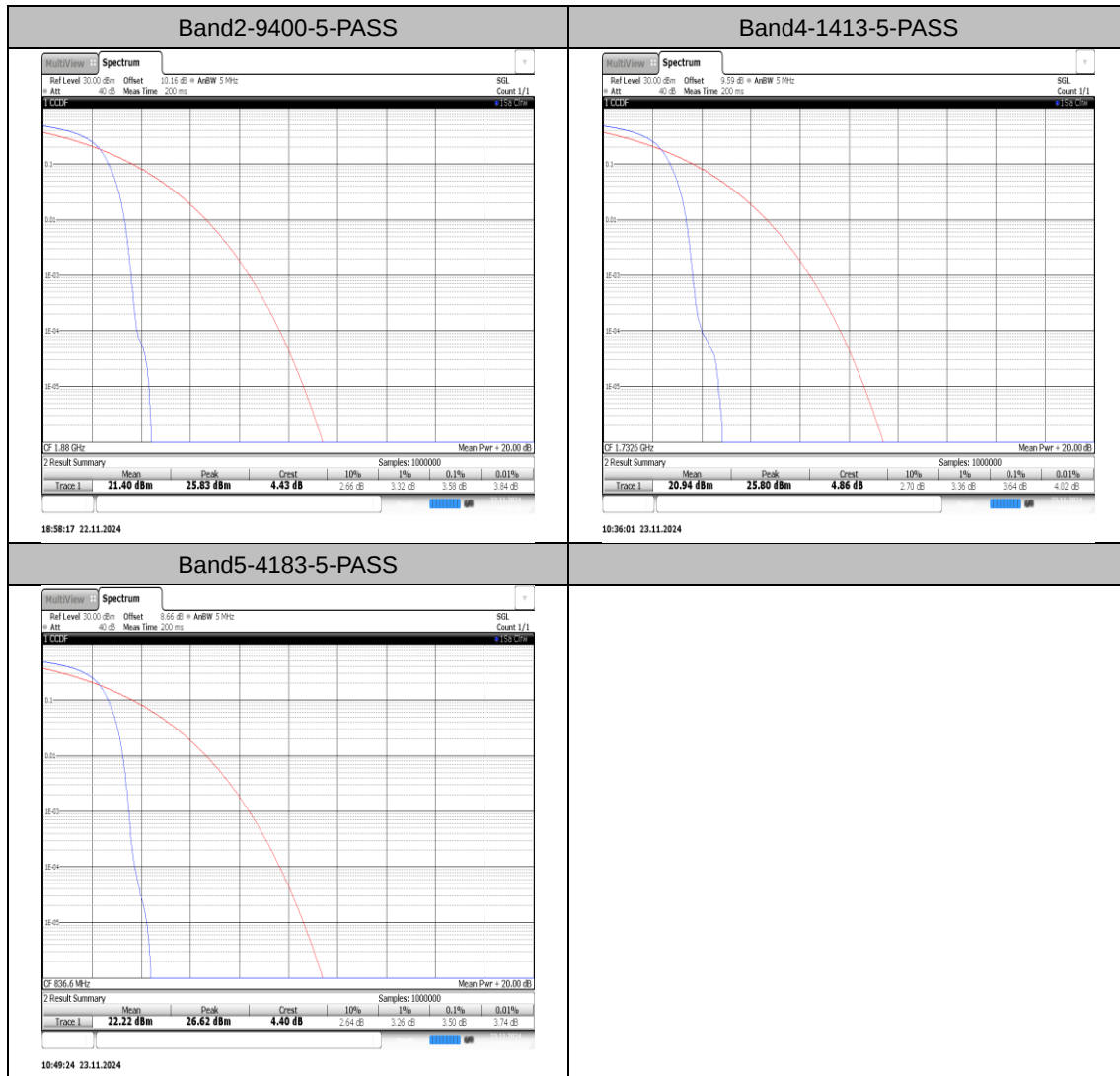
Rel99:



HSDPA:



HSUPA:



AppendixB:26dB Bandwidth andOccupied Bandwidth

Test Result

Rel99:

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band2	9400	4.149	4.71	---	PASS
Band4	1413	4.144	4.71	---	PASS
Band5	4183	4.15	4.70	---	PASS

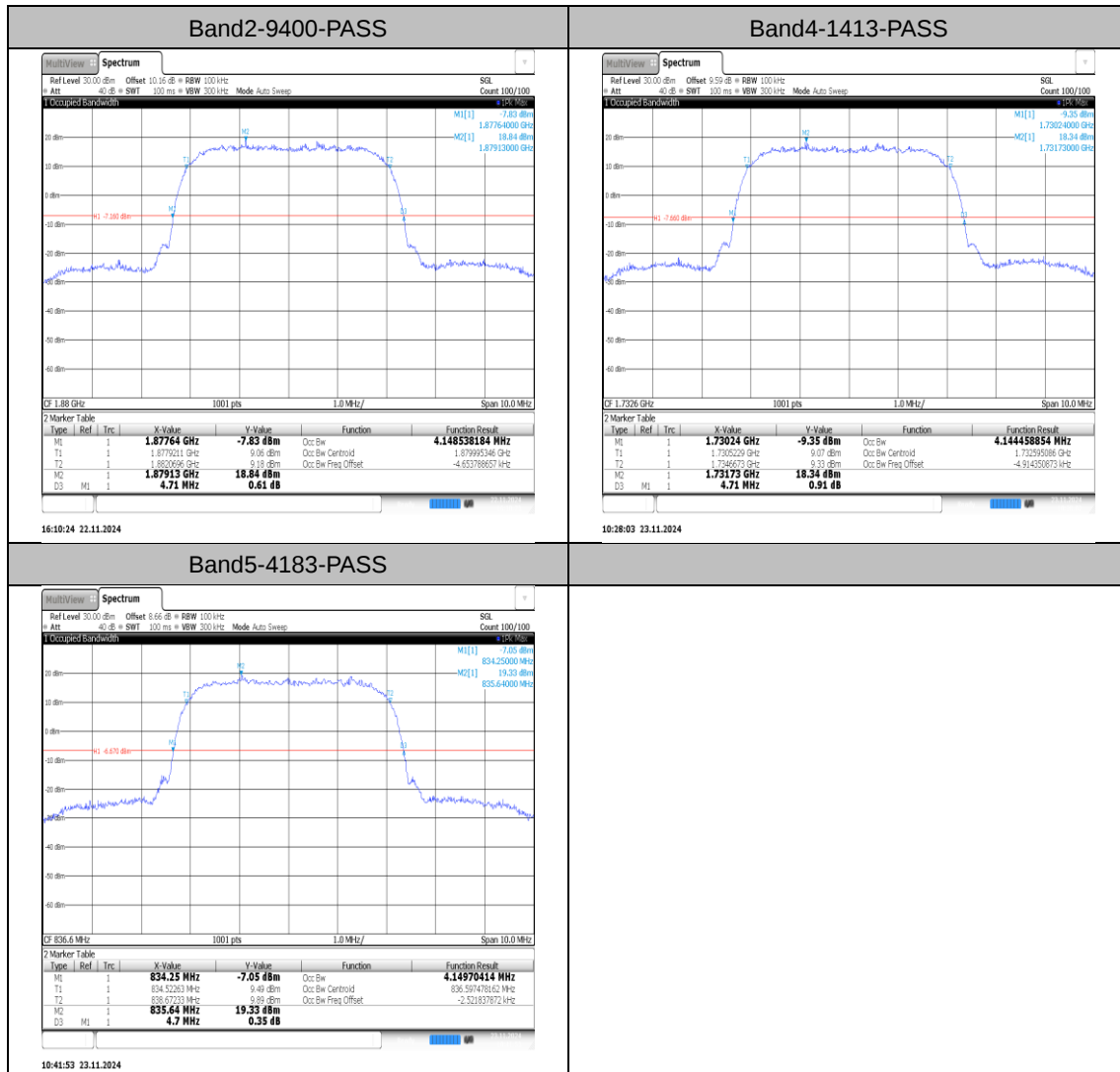
HSDPA:

Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band2	9400	4	4.154	4.72	---	PASS
Band4	1413	4	4.151	4.72	---	PASS
Band5	4183	4	4.149	4.72	---	PASS

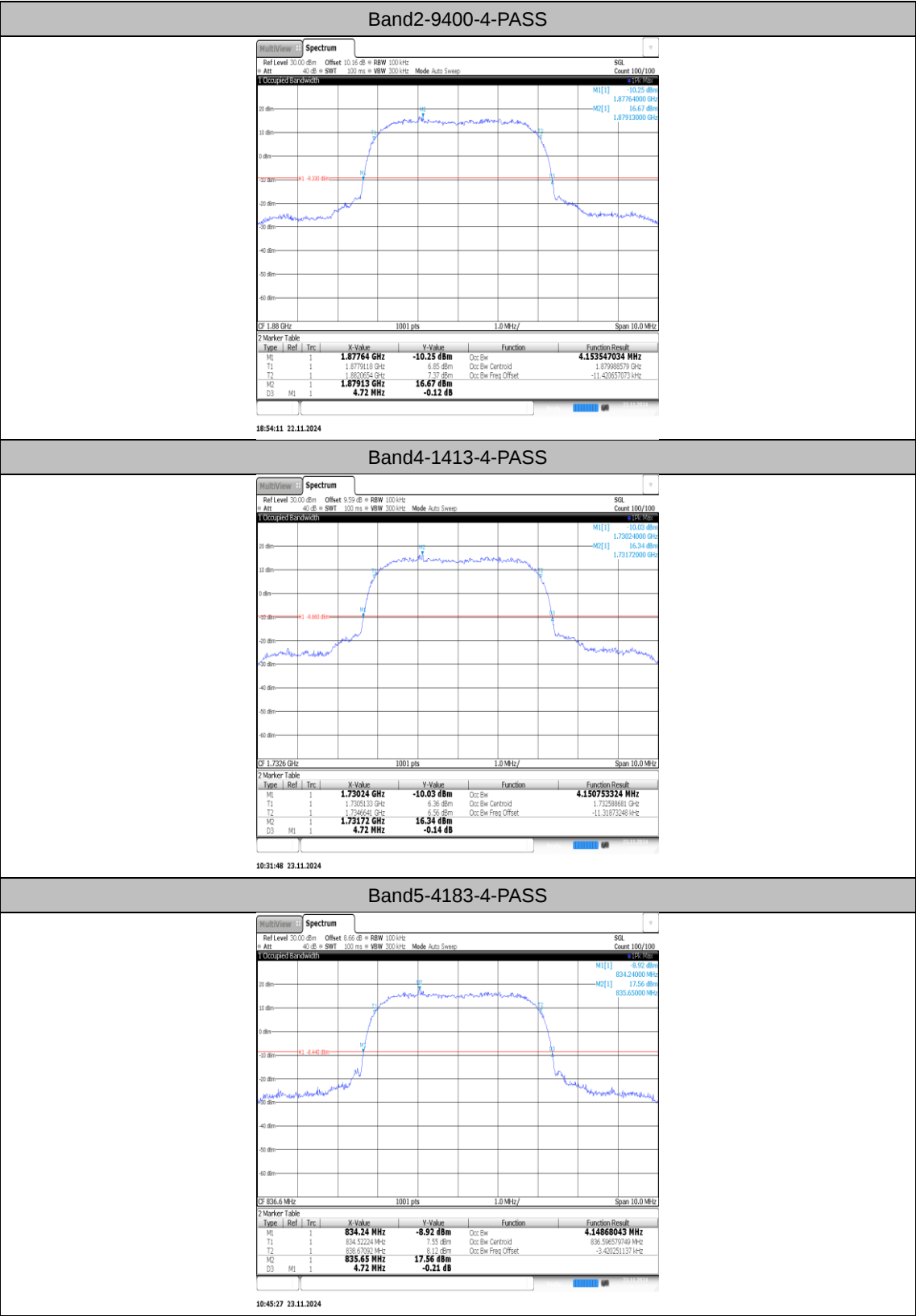
HSUPA:

Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band2	9400	5	4.157	4.71	---	PASS
Band4	1413	5	4.158	4.72	---	PASS
Band5	4183	5	4.152	4.73	---	PASS

Rel99:

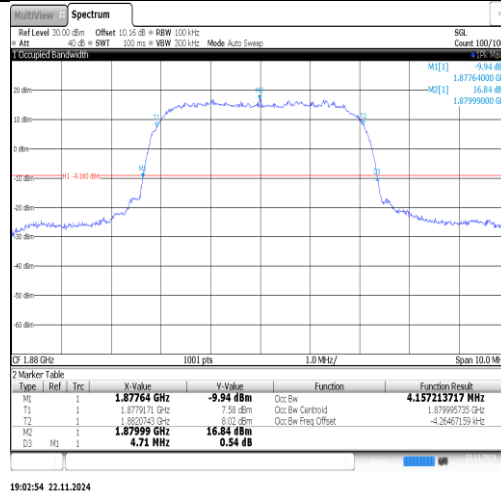


HSDPA:

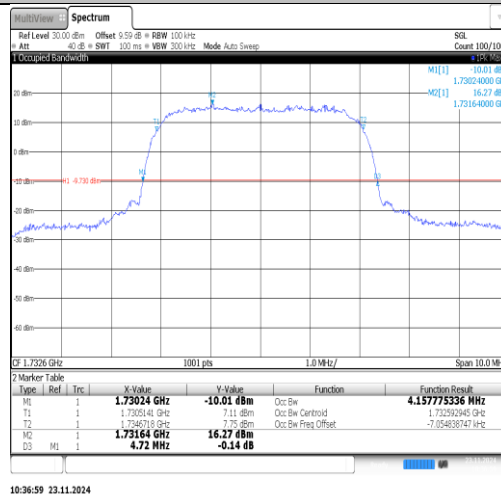


HSUPA:

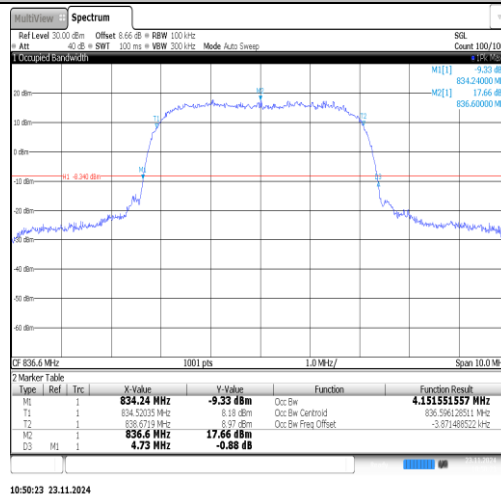
Band2-9400-5-PASS



Band4-1413-5-PASS



Band5-4183-5-PASS



AppendixC:Band Edge

Test Result

Rel99:

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1849.87	-26.91	-13	PASS
Band2	9538	1910.11	-29.55	-13	PASS
Band4	1312	1709.87	-27.69	-13	PASS
Band4	1513	1755.11	-30.26	-13	PASS
Band5	4132	824.00	-29.10	-13	PASS
Band5	4233	849.11	-28.70	-13	PASS

HSDPA:

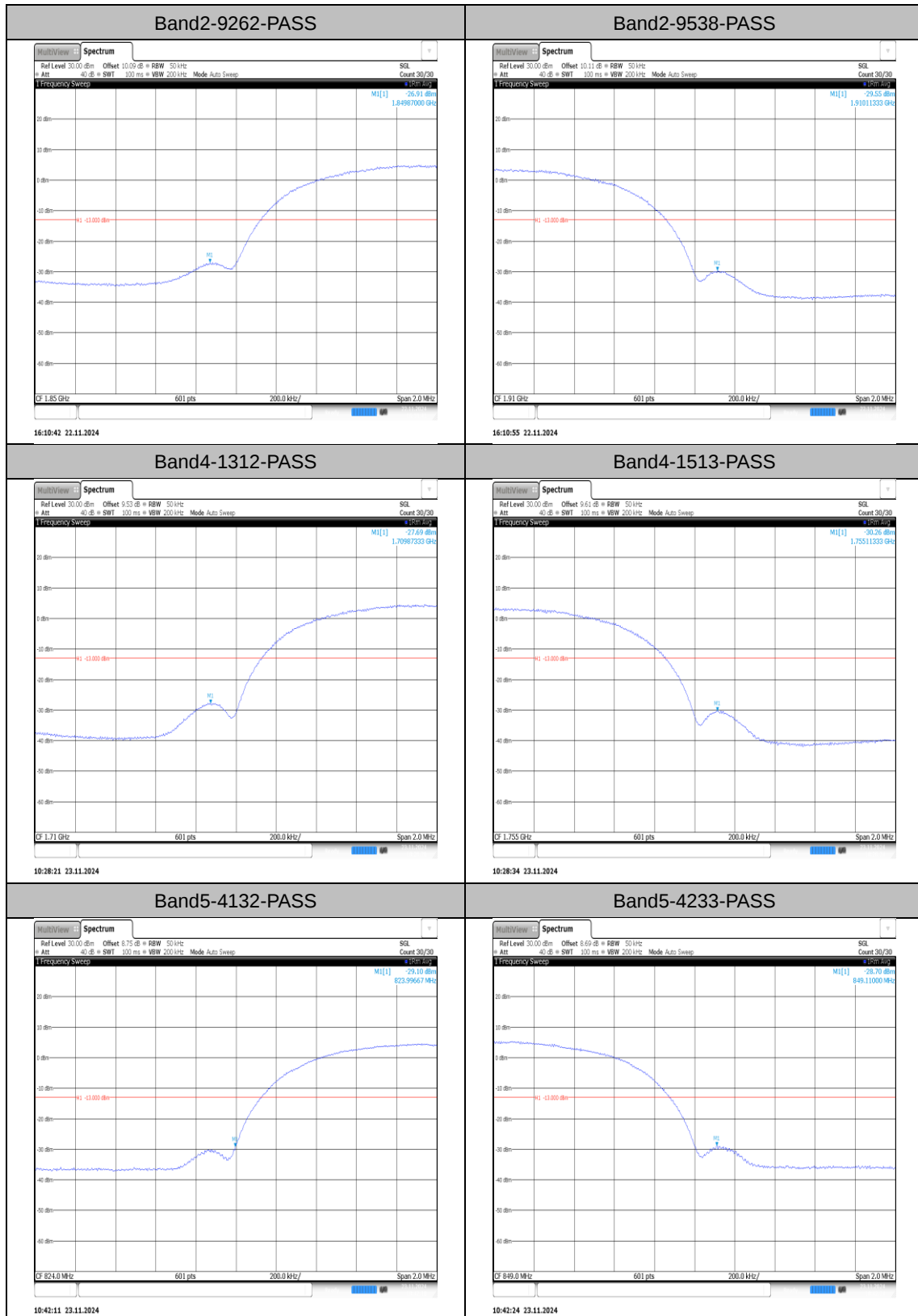
Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	4	1849.86	-25.39	-13	PASS
Band2	9538	4	1910.11	-30.04	-13	PASS
Band4	1312	4	1710.00	-28.76	-13	PASS
Band4	1513	4	1755.11	-30.67	-13	PASS
Band5	4132	4	823.89	-28.95	-13	PASS
Band5	4233	4	849.13	-29.52	-13	PASS

HSUPA:

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	5	1849.86	-25.86	-13	PASS
Band2	9538	5	1910.12	-30.13	-13	PASS
Band4	1312	5	1709.88	-28.69	-13	PASS
Band4	1513	5	1755.11	-30.75	-13	PASS
Band5	4132	5	823.86	-29.05	-13	PASS
Band5	4233	5	849.13	-28.86	-13	PASS

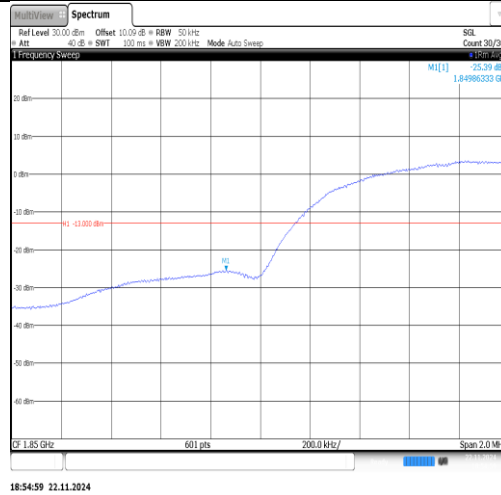
Test Graphs

Rel99:

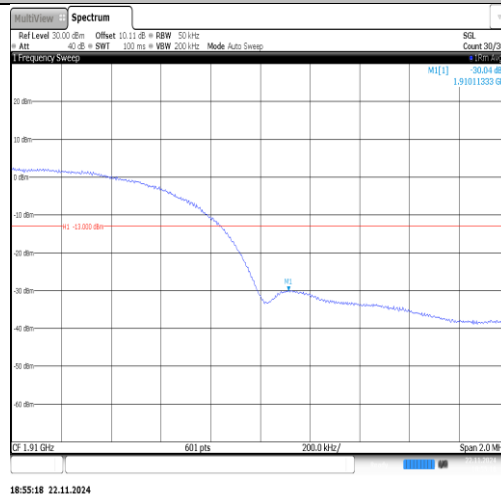


HSDPA:

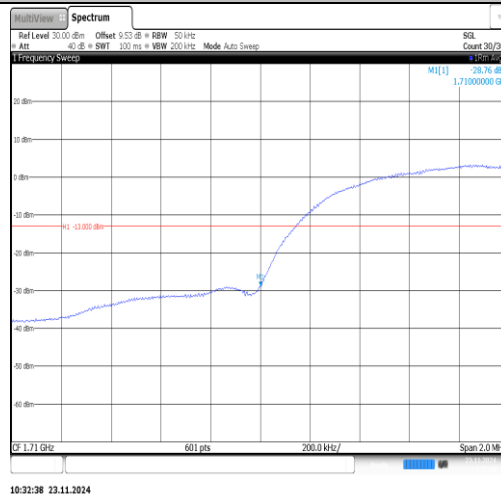
Band2-9262-4-PASS



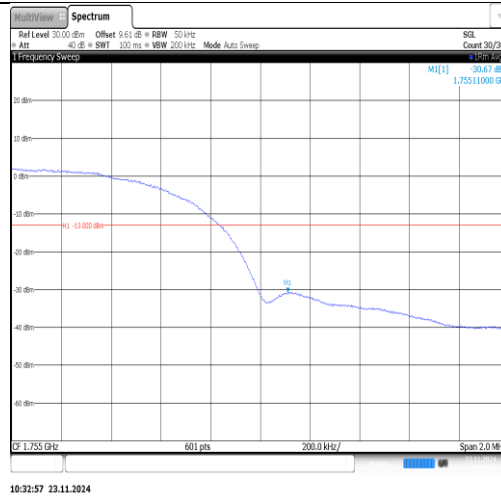
Band2-9538-4-PASS



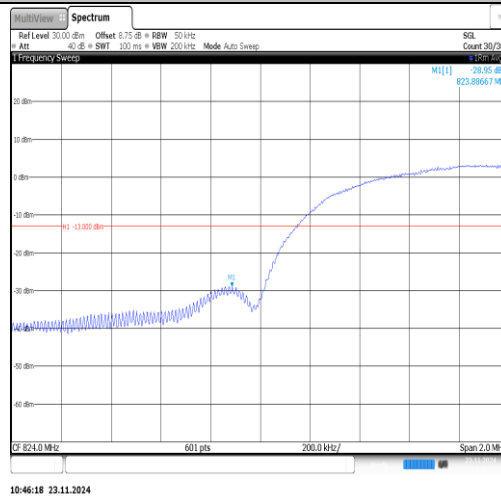
Band4-1312-4-PASS



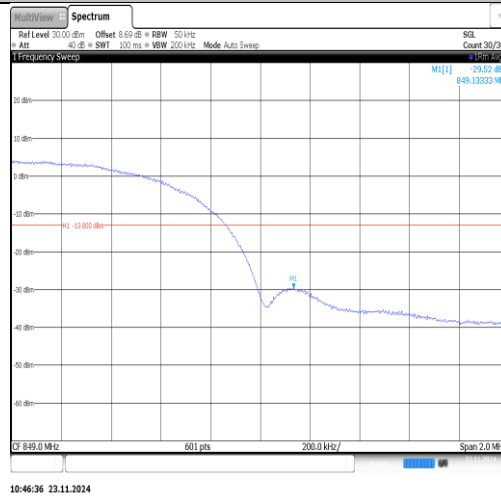
Band4-1513-4-PASS



Band5-4132-4-PASS

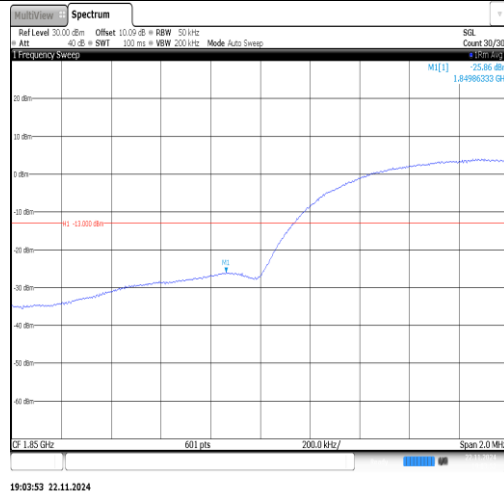


Band5-4233-4-PASS

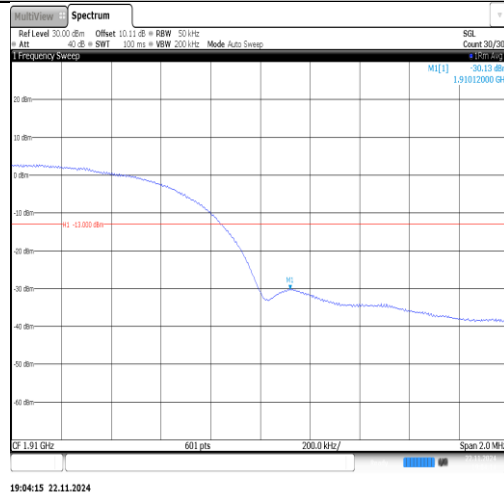


HSUPA:

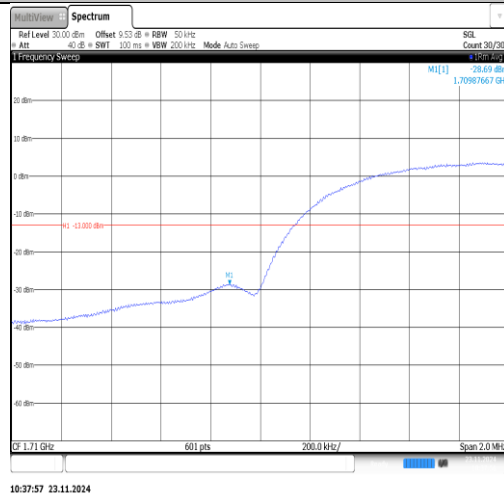
Band2-9262-5-PASS



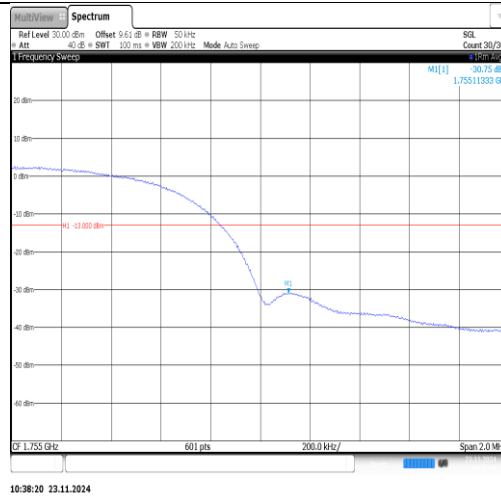
Band2-9538-5-PASS



Band4-1312-5-PASS

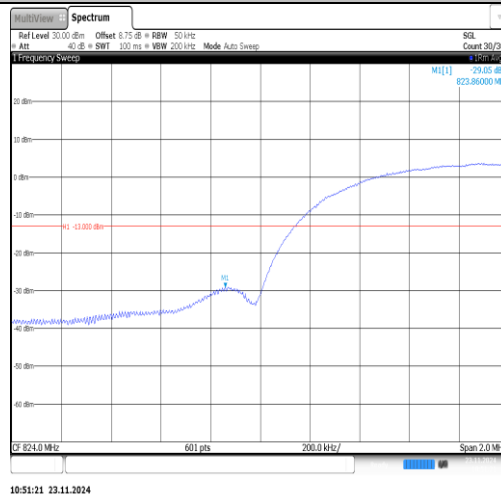


Band4-1513-5-PASS



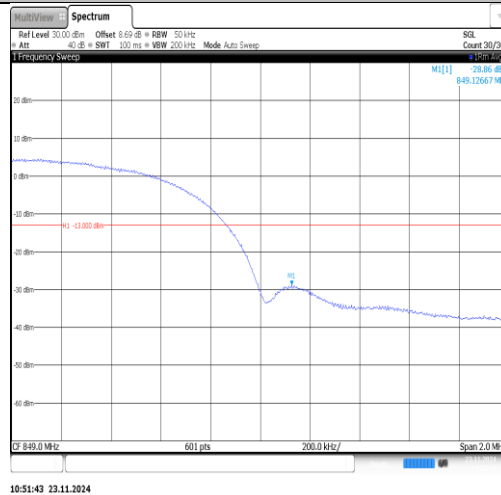
10:38:20 23.11.2024

Band5-4132-5-PASS



10:51:21 23.11.2024

Band5-4233-5-PASS



10:51:43 23.11.2024

AppendixD:Conducted SpuriousEmission

Test Result

Rel99:

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	30~1000MHz	554.27	-50.9	-13	PASS
Band2	9262	1000~20000MHz	7969.68	-43.08	-13	PASS
Band2	9400	30~1000MHz	558.14	-51.25	-13	PASS
Band2	9400	1000~20000MHz	14932.23	-43.57	-13	PASS
Band2	9538	30~1000MHz	554.27	-51.27	-13	PASS
Band2	9538	1000~20000MHz	7921.23	-43	-13	PASS
Band4	1312	30~1000MHz	554.75	-51.16	-13	PASS
Band4	1312	1000~20000MHz	7973	-43.16	-13	PASS
Band4	1413	30~1000MHz	554.27	-51.07	-13	PASS
Band4	1413	1000~20000MHz	18961.65	-43.32	-13	PASS
Band4	1513	30~1000MHz	558.14	-51.05	-13	PASS
Band4	1513	1000~20000MHz	19055.23	-43.01	-13	PASS
Band5	4132	30~1000MHz	466.5	-60.05	-13	PASS
Band5	4132	1000~10000MHz	2415.85	-42.54	-13	PASS
Band5	4183	30~1000MHz	960.72	-59.99	-13	PASS
Band5	4183	1000~10000MHz	7106.42	-43.64	-13	PASS
Band5	4233	30~1000MHz	568.84	-59.96	-13	PASS
Band5	4233	1000~10000MHz	7033.97	-43.84	-13	PASS

HSDPA:

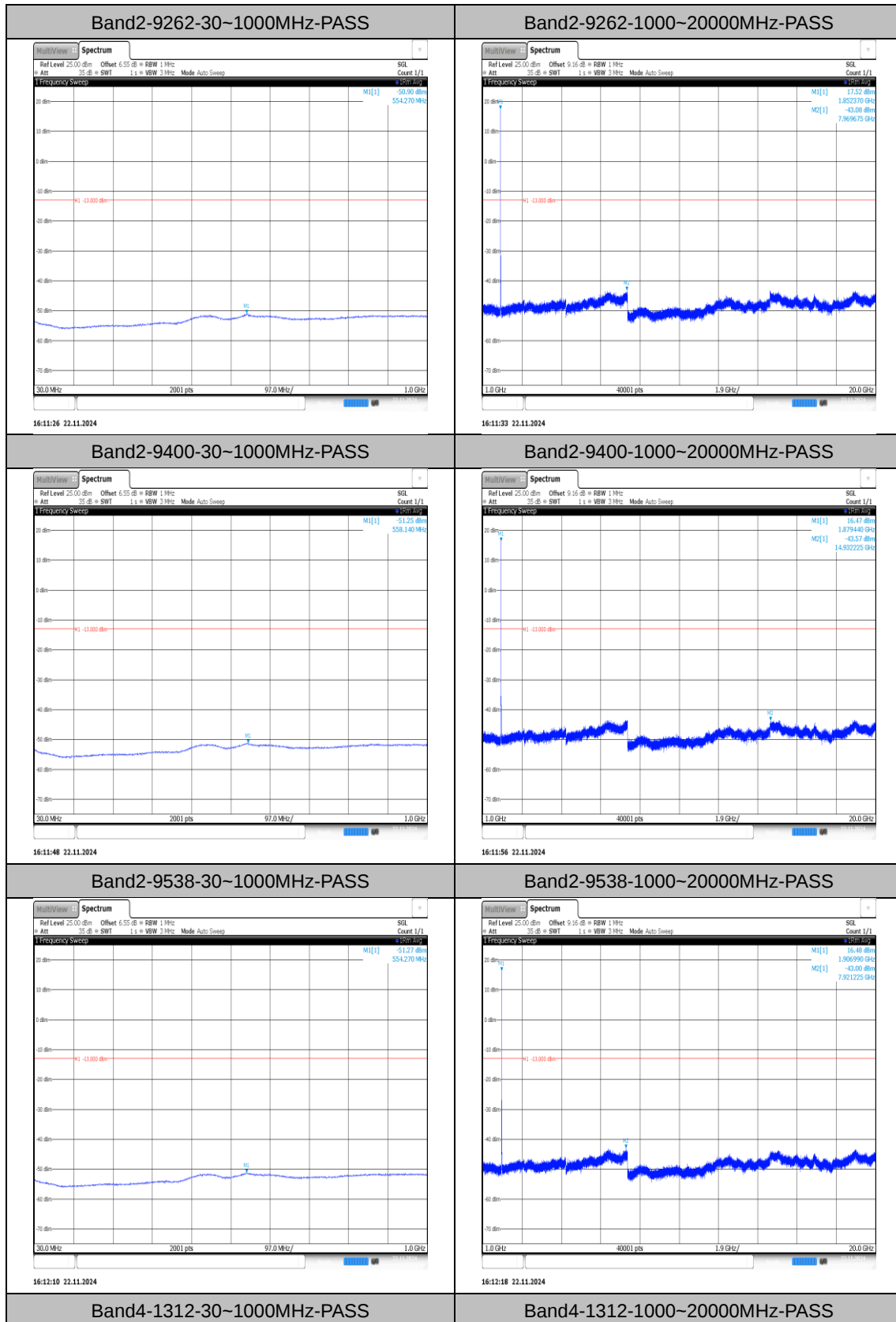
Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	4	30~1000MHz	558.14	-51.34	-13	PASS
Band2	9262	4	1000~20000MHz	15308.43	-43.15	-13	PASS
Band2	9400	4	30~1000MHz	554.75	-50.82	-13	PASS
Band2	9400	4	1000~20000MHz	7893.68	-43.18	-13	PASS
Band2	9538	4	30~1000MHz	556.2	-51.14	-13	PASS
Band2	9538	4	1000~20000MHz	18985.88	-43	-13	PASS
Band4	1312	4	30~1000MHz	560.57	-51.23	-13	PASS
Band4	1312	4	1000~20000MHz	7954.48	-43.08	-13	PASS
Band4	1413	4	30~1000MHz	557.17	-51	-13	PASS
Band4	1413	4	1000~20000MHz	7929.78	-43	-13	PASS
Band4	1513	4	30~1000MHz	558.63	-51.15	-13	PASS
Band4	1513	4	1000~20000MHz	19036.7	-43.37	-13	PASS
Band5	4132	4	30~1000MHz	555.74	-59.96	-13	PASS
Band5	4132	4	1000~10000MHz	7147.37	-43.95	-13	PASS

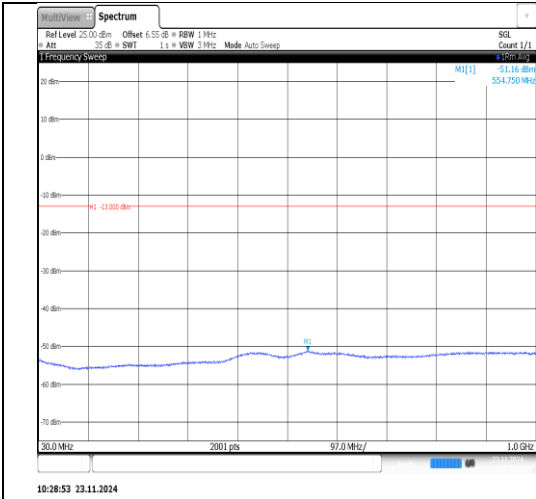
Band5	4183	4	30~1000MHz	554.77	-60.24	-13	PASS
Band5	4183	4	1000~10000MHz	7951.03	-43.98	-13	PASS
Band5	4233	4	30~1000MHz	553.32	-60.08	-13	PASS
Band5	4233	4	1000~10000MHz	7099.22	-43.57	-13	PASS

HSUPA:

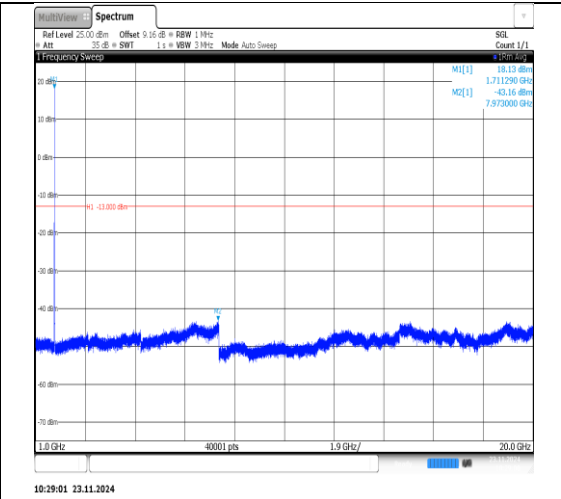
Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	5	30~1000MHz	553.3	-51.26	-13	PASS
Band2	9262	5	1000~20000MHz	7061.48	-42.85	-13	PASS
Band2	9400	5	30~1000MHz	556.2	-51.06	-13	PASS
Band2	9400	5	1000~20000MHz	19070.43	-42.81	-13	PASS
Band2	9538	5	30~1000MHz	554.75	-51.19	-13	PASS
Band2	9538	5	1000~20000MHz	7079.53	-42.92	-13	PASS
Band4	1312	5	30~1000MHz	556.69	-51.09	-13	PASS
Band4	1312	5	1000~20000MHz	7118.48	-43.27	-13	PASS
Band4	1413	5	30~1000MHz	554.75	-51.06	-13	PASS
Band4	1413	5	1000~20000MHz	7979.65	-43.47	-13	PASS
Band4	1513	5	30~1000MHz	556.2	-51.06	-13	PASS
Band4	1513	5	1000~20000MHz	18954.05	-43.47	-13	PASS
Band5	4132	5	30~1000MHz	557.68	-60.15	-13	PASS
Band5	4132	5	1000~10000MHz	7078.52	-43.66	-13	PASS
Band5	4183	5	30~1000MHz	554.77	-59.95	-13	PASS
Band5	4183	5	1000~10000MHz	7083.47	-43.7	-13	PASS
Band5	4233	5	30~1000MHz	559.62	-60.15	-13	PASS
Band5	4233	5	1000~10000MHz	7146.92	-43.42	-13	PASS

Rel99:

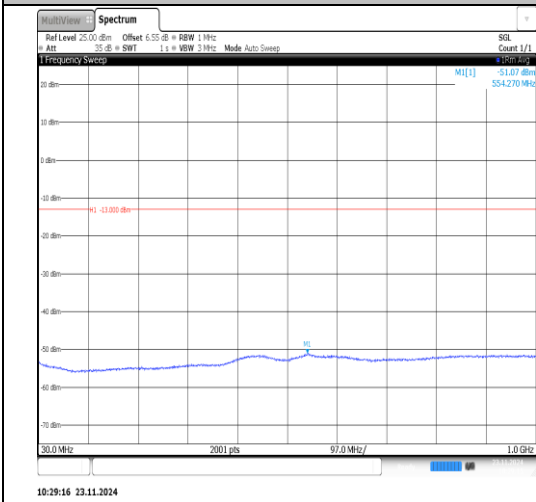




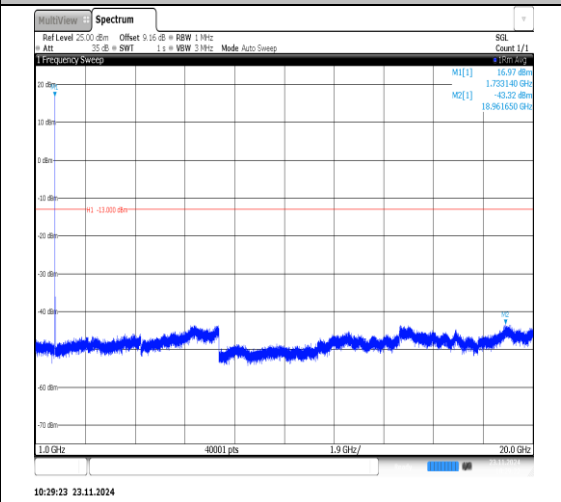
Band4-1413-30~1000MHz-PASS



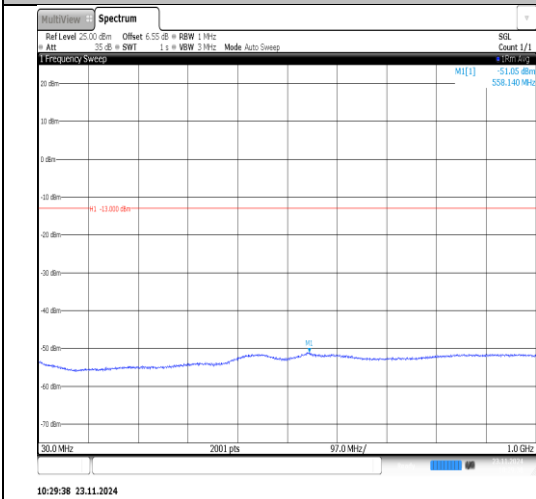
Band4-1413-1000~20000MHz-PASS



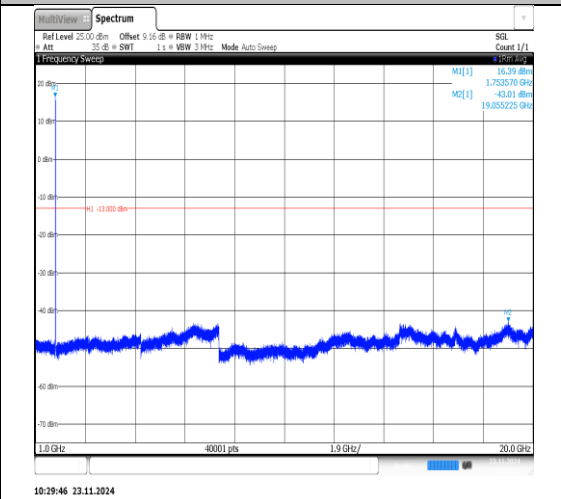
Band4-1513-30~1000MHz-PASS



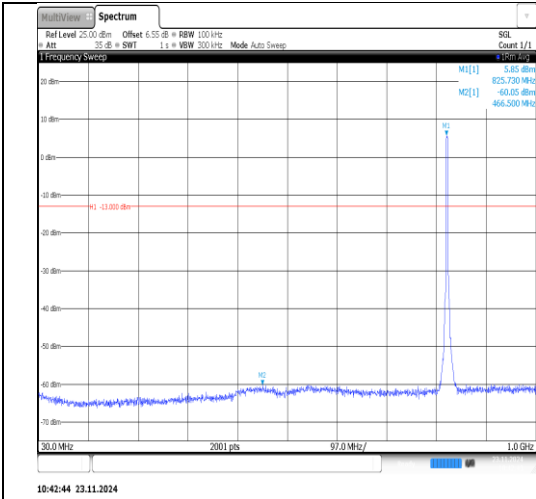
Band4-1513-1000~20000MHz-PASS



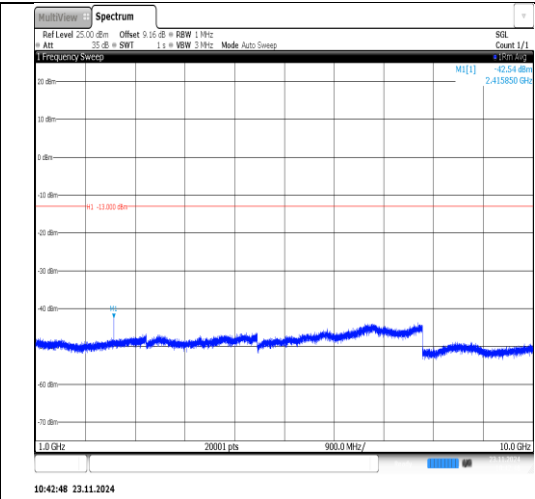
Band5-4132-30~1000MHz-PASS



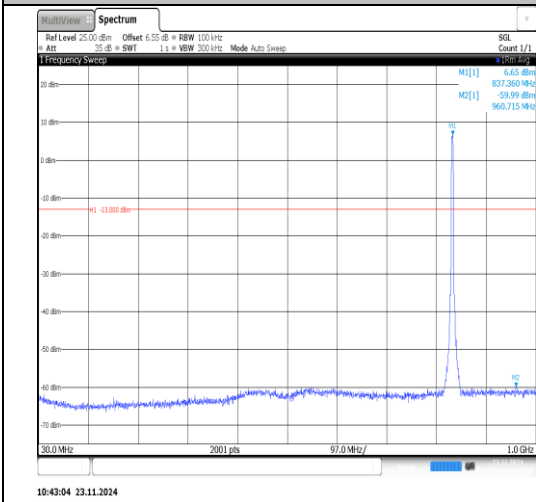
Band5-4132-1000~10000MHz-PASS



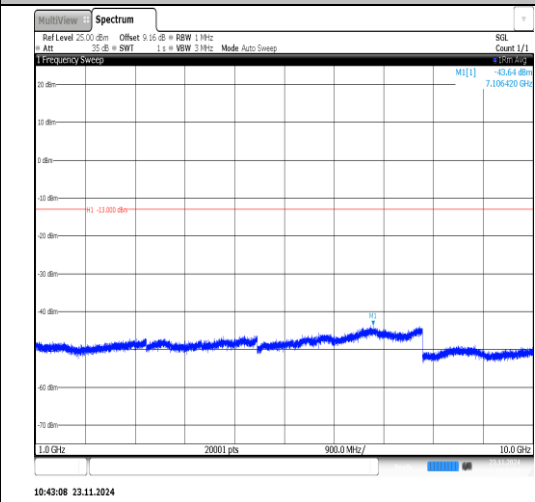
Band5-4183-30~1000MHz-PASS



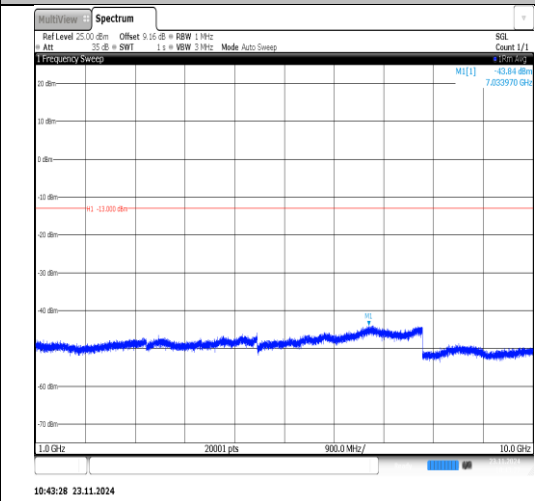
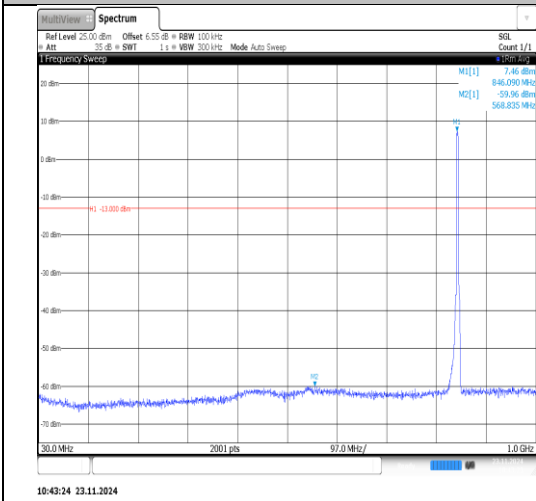
Band5-4183-1000~10000MHz-PASS



Band5-4233-30~1000MHz-PASS

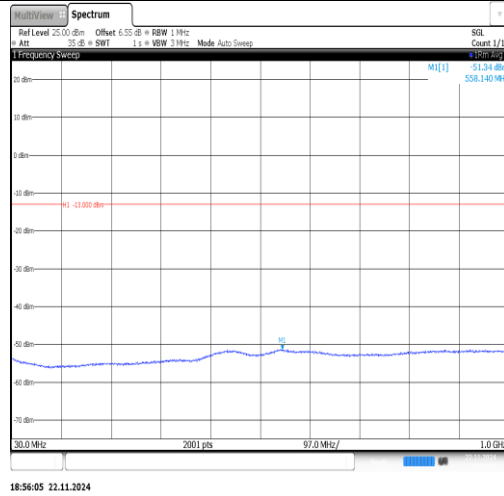


Band5-4233-1000~10000MHz-PASS

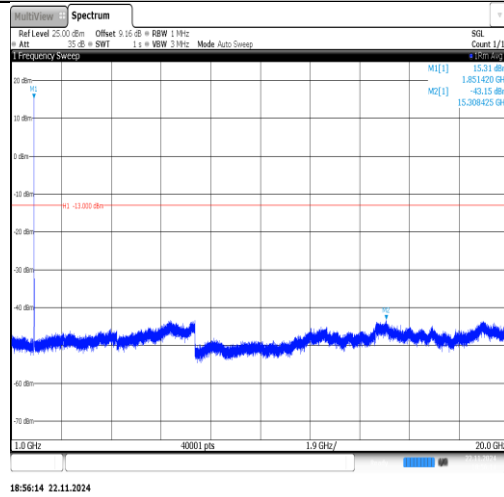


HSDPA:

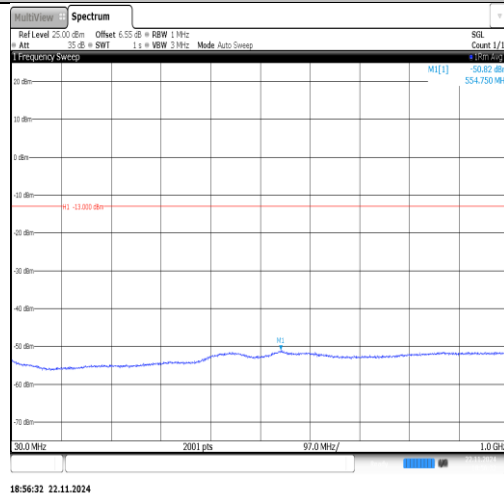
Band2-9262-4-30~1000MHz-PASS



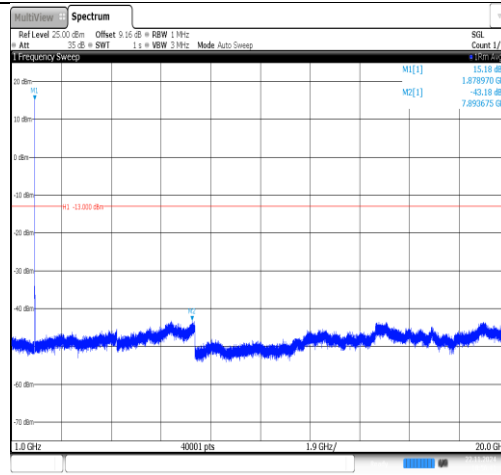
Band2-9262-4-1000~20000MHz-PASS



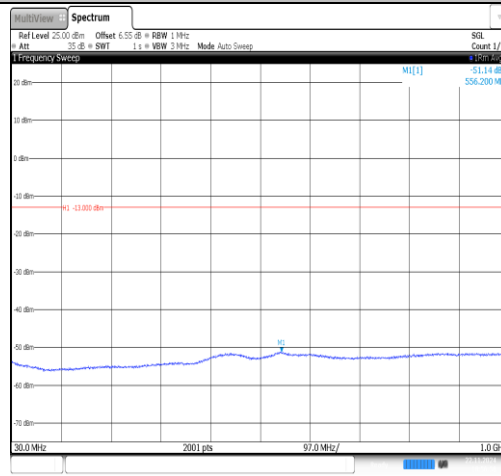
Band2-9400-4-30~1000MHz-PASS



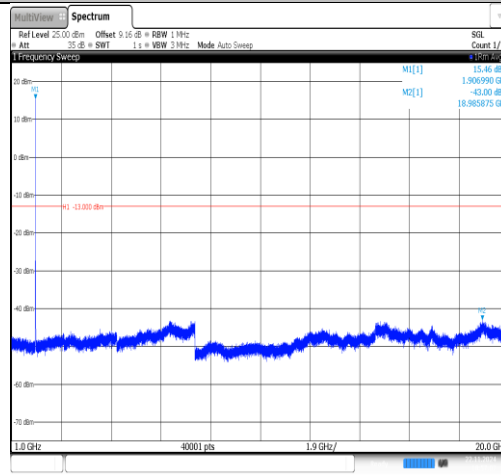
Band2-9400-4-1000~20000MHz-PASS



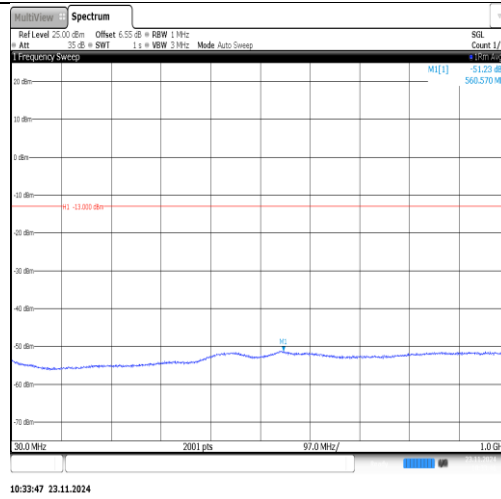
Band2-9538-4-30~1000MHz-PASS



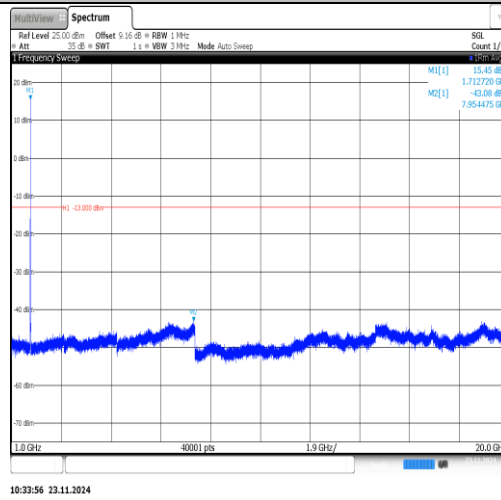
Band2-9538-4-1000~20000MHz-PASS



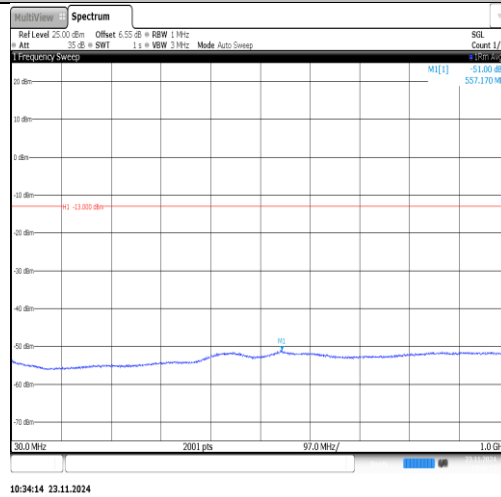
Band4-1312-4-30~1000MHz-PASS



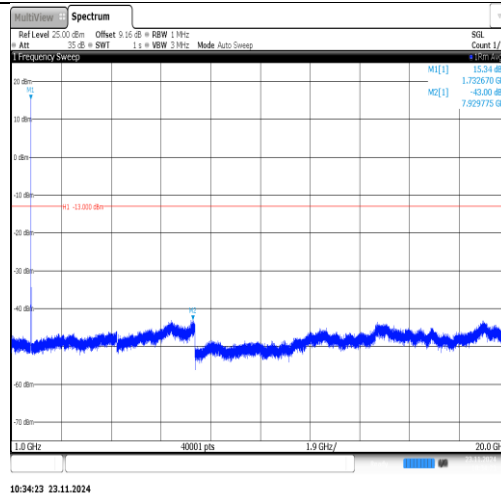
Band4-1312-4-1000~20000MHz-PASS



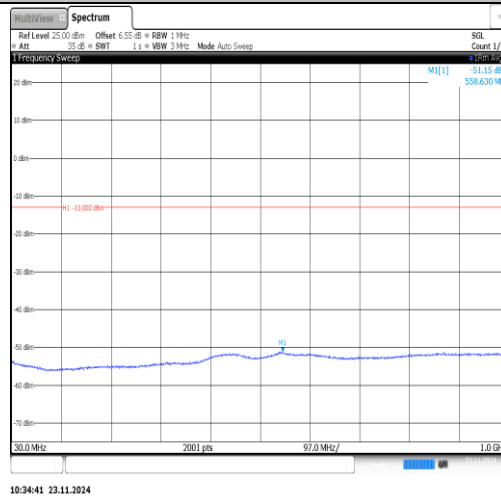
Band4-1413-4-30~1000MHz-PASS



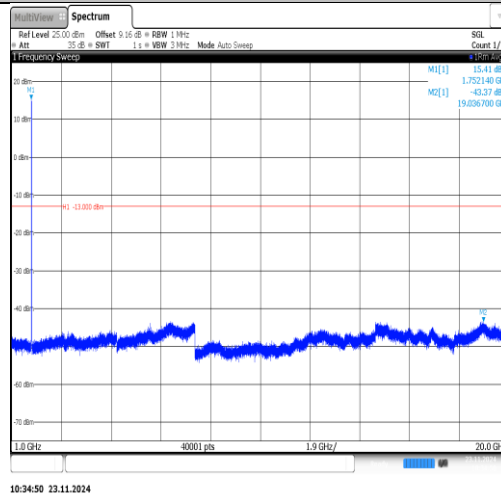
Band4-1413-4-1000~20000MHz-PASS



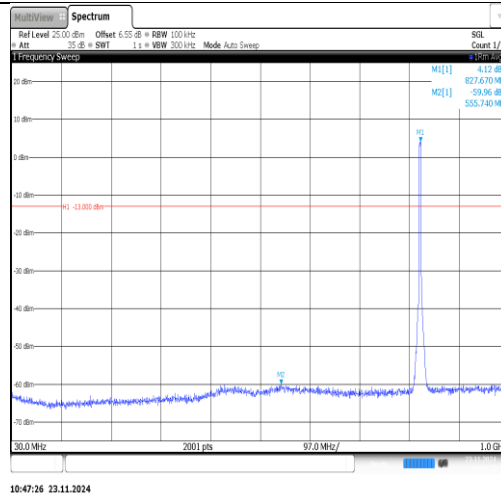
Band4-1513-4-30~1000MHz-PASS



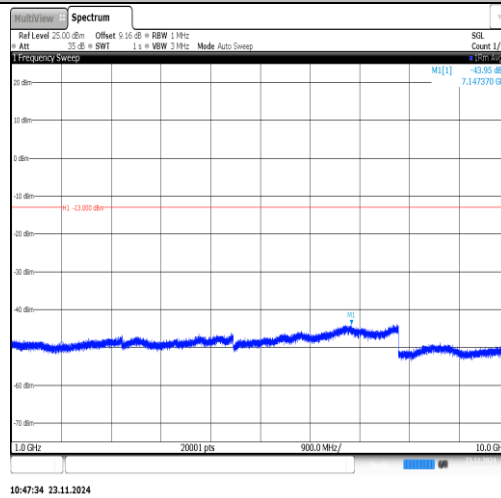
Band4-1513-4-1000~20000MHz-PASS



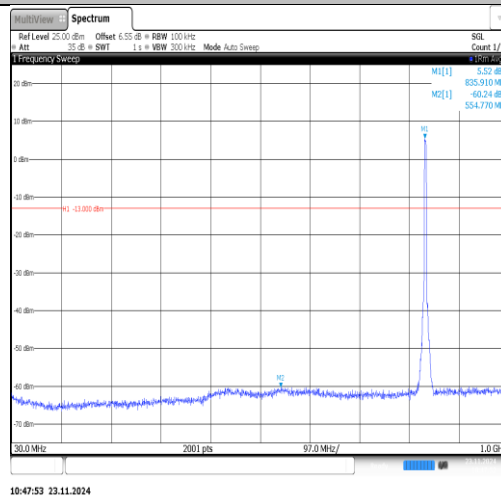
Band5-4132-4-30~1000MHz-PASS



Band5-4132-4-1000~10000MHz-PASS



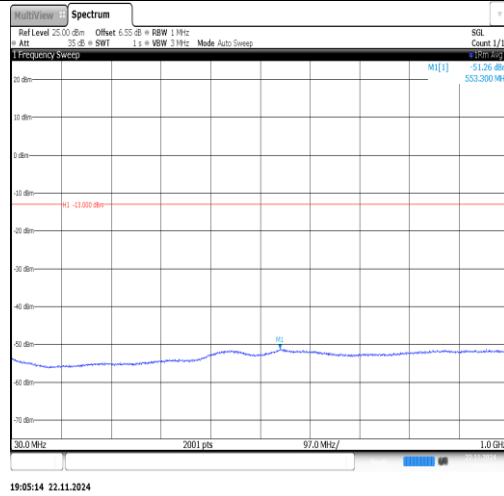
Band5-4183-4-30~1000MHz-PASS



Band5-4183-4-1000~10000MHz-PASS

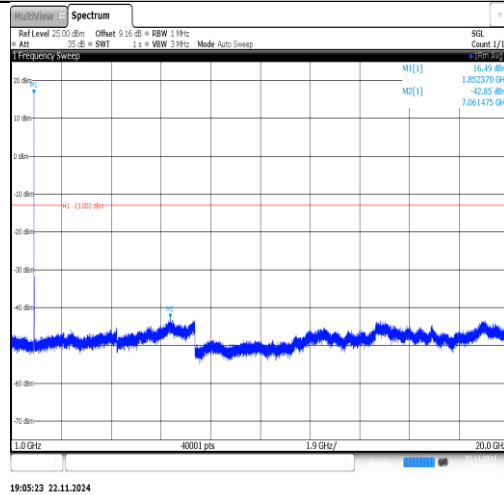
HSUPA:

Band2-9262-5-30~1000MHz-PASS



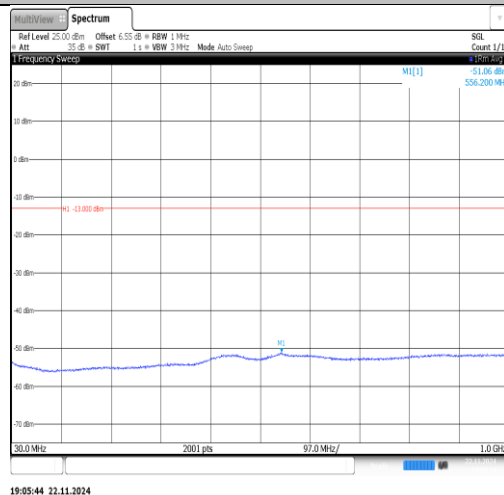
19:05:14 22.11.2024

Band2-9262-5-1000~20000MHz-PASS



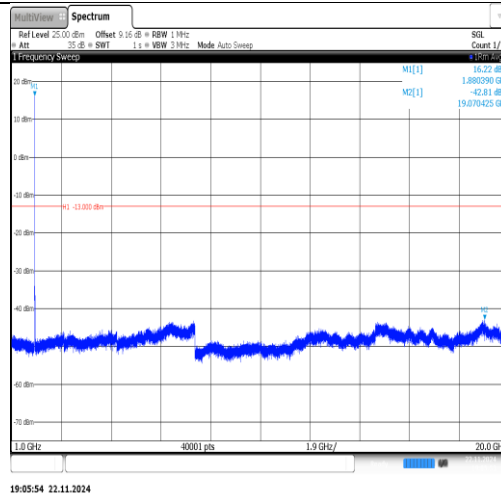
19:05:23 22.11.2024

Band2-9400-5-30~1000MHz-PASS

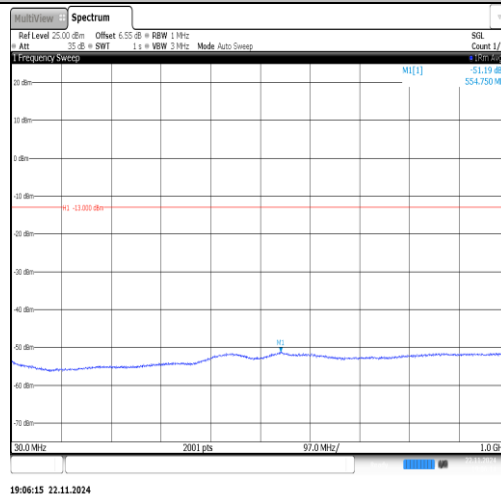


19:05:44 22.11.2024

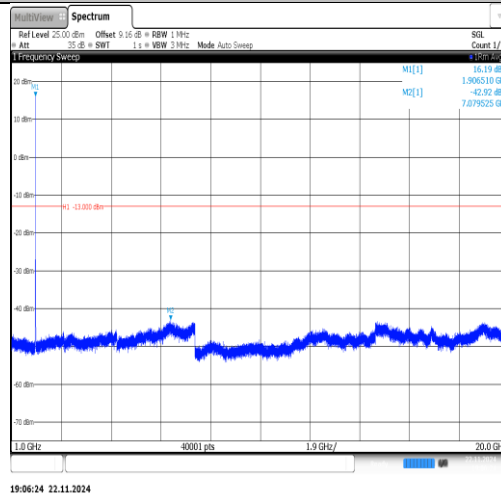
Band2-9400-5-1000~20000MHz-PASS



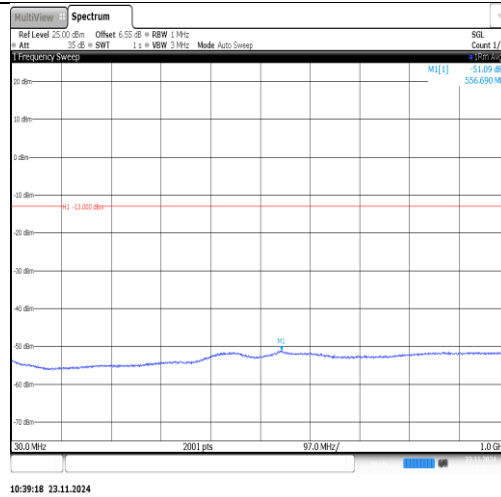
Band2-9538-5-30~1000MHz-PASS



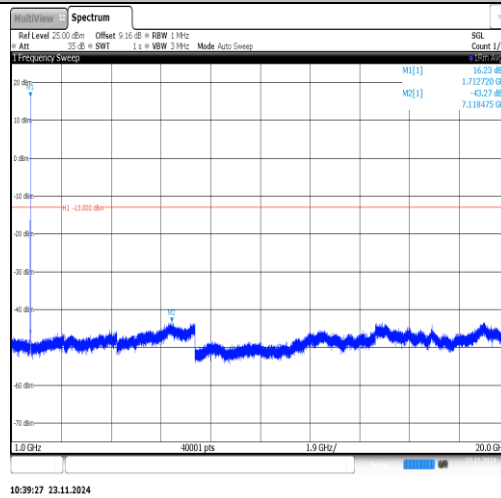
Band2-9538-5-1000~20000MHz-PASS



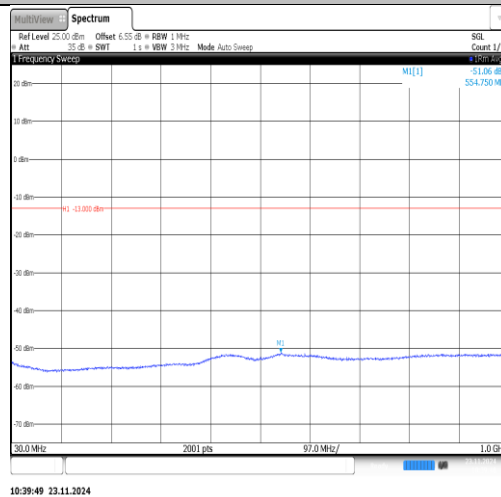
Band4-1312-5-30~1000MHz-PASS



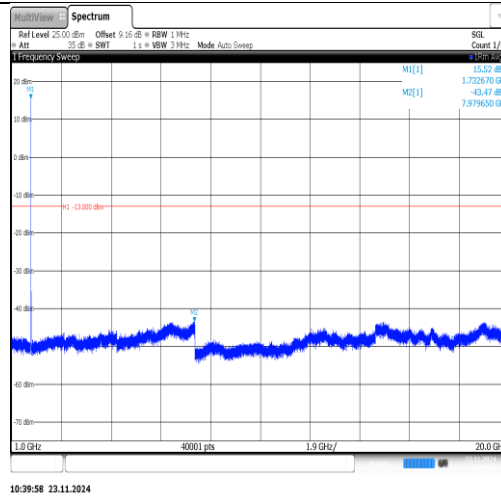
Band4-1312-5-1000~20000MHz-PASS



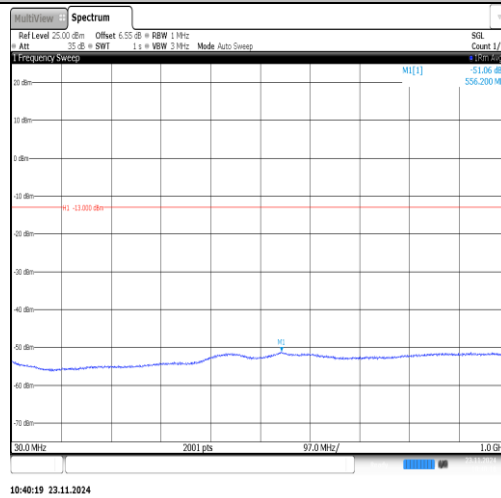
Band4-1413-5-30~1000MHz-PASS



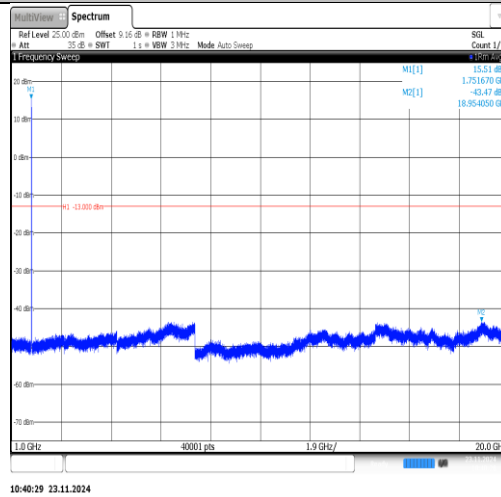
Band4-1413-5-1000~20000MHz-PASS



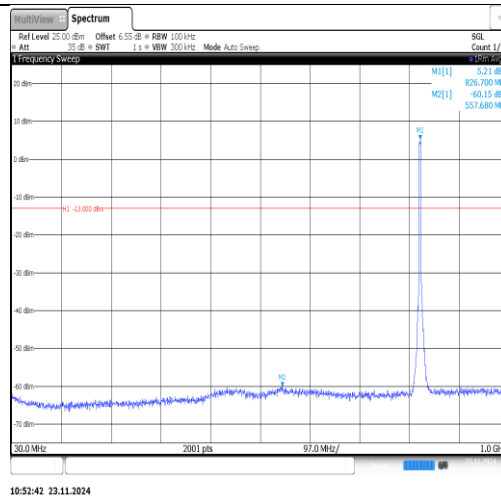
Band4-1513-5-30~1000MHz-PASS



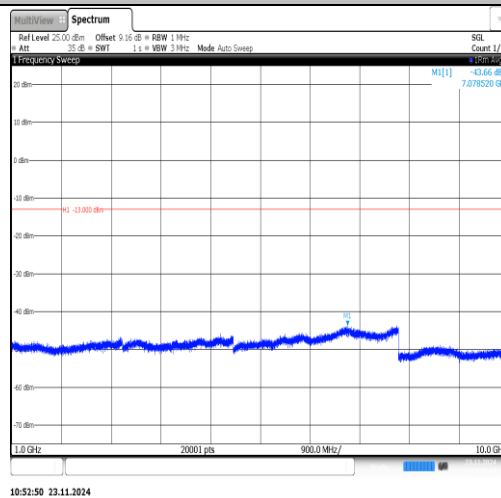
Band4-1513-5-1000~20000MHz-PASS



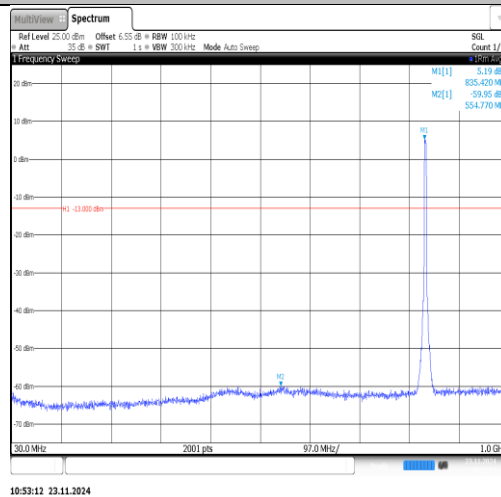
Band5-4132-5-30~1000MHz-PASS



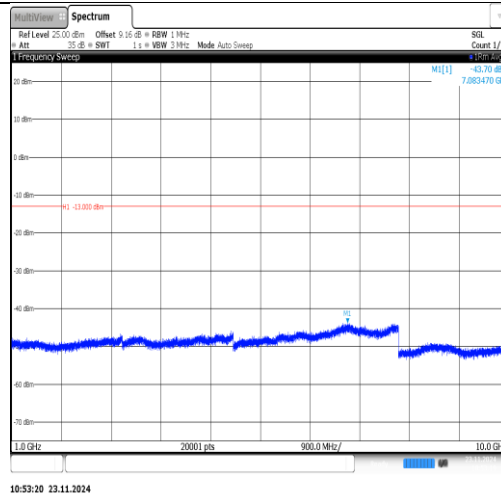
Band5-4132-5-1000~10000MHz-PASS



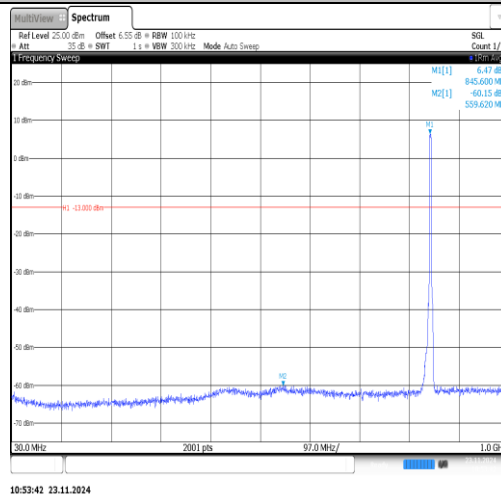
Band5-4183-5-30~1000MHz-PASS



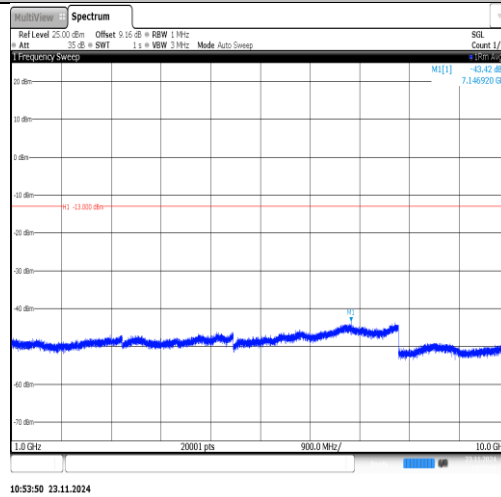
Band5-4183-5-1000~10000MHz-PASS



Band5-4233-5-30~1000MHz-PASS



Band5-4233-5-1000~10000MHz-PASS



AppendixE:Frequency Stability

Test Result

Rel99:

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9400	VN	NT	3.40	0.001809	±2.5	PASS
Band2	9400	VL	NT	3.53	0.001878	±2.5	PASS
Band2	9400	VH	NT	3.35	0.001782	±2.5	PASS
Band4	1413	VN	NT	1.71	0.000987	±2.5	PASS
Band4	1413	VL	NT	2.39	0.001379	±2.5	PASS
Band4	1413	VH	NT	1.02	0.000589	±2.5	PASS
Band5	4183	VN	NT	-0.55	-0.000657	±2.5	PASS
Band5	4183	VL	NT	-0.06	-0.000072	±2.5	PASS
Band5	4183	VH	NT	-1.21	-0.001446	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9400	NV	-30	3.57	0.001899	±2.5	PASS
Band2	9400	NV	-20	3.33	0.001771	±2.5	PASS
Band2	9400	NV	-10	3.33	0.001771	±2.5	PASS
Band2	9400	NV	0	3.70	0.001968	±2.5	PASS
Band2	9400	NV	10	3.60	0.001915	±2.5	PASS
Band2	9400	NV	20	3.55	0.001888	±2.5	PASS
Band2	9400	NV	30	3.03	0.001612	±2.5	PASS
Band2	9400	NV	40	3.11	0.001654	±2.5	PASS
Band2	9400	NV	50	3.29	0.001750	±2.5	PASS
Band4	1413	NV	-30	-0.14	-0.000081	±2.5	PASS
Band4	1413	NV	-20	0.19	0.000110	±2.5	PASS
Band4	1413	NV	-10	0.46	0.000265	±2.5	PASS
Band4	1413	NV	0	-0.38	-0.000219	±2.5	PASS
Band4	1413	NV	10	-1.01	-0.000583	±2.5	PASS
Band4	1413	NV	20	2.63	0.001518	±2.5	PASS
Band4	1413	NV	30	0.07	0.000040	±2.5	PASS
Band4	1413	NV	40	0.10	0.000058	±2.5	PASS
Band4	1413	NV	50	0.31	0.000179	±2.5	PASS
Band5	4183	NV	-30	0.16	0.000191	±2.5	PASS
Band5	4183	NV	-20	-1.81	-0.002164	±2.5	PASS
Band5	4183	NV	-10	-0.17	-0.000203	±2.5	PASS
Band5	4183	NV	0	-2.13	-0.002546	±2.5	PASS

Band5	4183	NV	10	-1.17	-0.001399	±2.5	PASS
Band5	4183	NV	20	-0.55	-0.000657	±2.5	PASS
Band5	4183	NV	30	-1.07	-0.001279	±2.5	PASS
Band5	4183	NV	40	-0.82	-0.000980	±2.5	PASS
Band5	4183	NV	50	-0.34	-0.000406	±2.5	PASS

HSDPA:

Voltage								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9400	4	VN	NT	3.90	0.002074	±2.5	PASS
Band2	9400	4	VL	NT	2.61	0.001388	±2.5	PASS
Band2	9400	4	VH	NT	0.84	0.000447	±2.5	PASS
Band4	1413	4	VN	NT	-1.88	-0.001085	±2.5	PASS
Band4	1413	4	VL	NT	1.57	0.000906	±2.5	PASS
Band4	1413	4	VH	NT	0.12	0.000069	±2.5	PASS
Band5	4183	4	VN	NT	0.34	0.000406	±2.5	PASS
Band5	4183	4	VL	NT	-1.82	-0.002175	±2.5	PASS
Band5	4183	4	VH	NT	-1.88	-0.002247	±2.5	PASS

Temperature								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9400	4	NV	-30	2.36	0.001255	±2.5	PASS
Band2	9400	4	NV	-20	1.77	0.000941	±2.5	PASS
Band2	9400	4	NV	-10	2.56	0.001362	±2.5	PASS
Band2	9400	4	NV	0	2.65	0.001410	±2.5	PASS
Band2	9400	4	NV	10	1.80	0.000957	±2.5	PASS
Band2	9400	4	NV	20	1.18	0.000628	±2.5	PASS
Band2	9400	4	NV	30	3.95	0.002101	±2.5	PASS
Band2	9400	4	NV	40	1.92	0.001021	±2.5	PASS
Band2	9400	4	NV	50	5.06	0.002691	±2.5	PASS
Band4	1413	4	NV	-30	1.05	0.000606	±2.5	PASS
Band4	1413	4	NV	-20	-1.43	-0.000825	±2.5	PASS
Band4	1413	4	NV	-10	0.38	0.000219	±2.5	PASS
Band4	1413	4	NV	0	-0.16	-0.000092	±2.5	PASS
Band4	1413	4	NV	10	-0.22	-0.000127	±2.5	PASS
Band4	1413	4	NV	20	2.05	0.001183	±2.5	PASS
Band4	1413	4	NV	30	0.49	0.000283	±2.5	PASS
Band4	1413	4	NV	40	-0.46	-0.000265	±2.5	PASS
Band4	1413	4	NV	50	-0.78	-0.000450	±2.5	PASS

Band5	4183	4	NV	-30	-1.42	-0.001697	±2.5	PASS
Band5	4183	4	NV	-20	-1.09	-0.001303	±2.5	PASS
Band5	4183	4	NV	-10	-0.67	-0.000801	±2.5	PASS
Band5	4183	4	NV	0	-2.17	-0.002594	±2.5	PASS
Band5	4183	4	NV	10	-1.03	-0.001231	±2.5	PASS
Band5	4183	4	NV	20	-0.30	-0.000359	±2.5	PASS
Band5	4183	4	NV	30	-0.19	-0.000227	±2.5	PASS
Band5	4183	4	NV	40	-0.72	-0.000861	±2.5	PASS
Band5	4183	4	NV	50	0.00	0.000000	±2.5	PASS

HSUPA:

Voltage								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9400	5	VN	NT	1.02	0.000543	±2.5	PASS
Band2	9400	5	VL	NT	0.39	0.000207	±2.5	PASS
Band2	9400	5	VH	NT	2.33	0.001239	±2.5	PASS
Band4	1413	5	VN	NT	0.64	0.000369	±2.5	PASS
Band4	1413	5	VL	NT	-0.62	-0.000358	±2.5	PASS
Band4	1413	5	VH	NT	-0.42	-0.000242	±2.5	PASS
Band5	4183	5	VN	NT	-1.21	-0.001446	±2.5	PASS
Band5	4183	5	VL	NT	-0.44	-0.000526	±2.5	PASS
Band5	4183	5	VH	NT	-1.71	-0.002044	±2.5	PASS

Temperature								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9400	5	NV	-30	2.56	0.001362	±2.5	PASS
Band2	9400	5	NV	-20	2.73	0.001452	±2.5	PASS
Band2	9400	5	NV	-10	1.29	0.000686	±2.5	PASS
Band2	9400	5	NV	0	3.37	0.001793	±2.5	PASS
Band2	9400	5	NV	10	1.68	0.000894	±2.5	PASS
Band2	9400	5	NV	20	1.12	0.000596	±2.5	PASS
Band2	9400	5	NV	30	1.27	0.000676	±2.5	PASS
Band2	9400	5	NV	40	1.70	0.000904	±2.5	PASS
Band2	9400	5	NV	50	5.84	0.003106	±2.5	PASS
Band4	1413	5	NV	-30	0.14	0.000081	±2.5	PASS
Band4	1413	5	NV	-20	-0.09	-0.000052	±2.5	PASS
Band4	1413	5	NV	-10	2.78	0.001605	±2.5	PASS
Band4	1413	5	NV	0	1.68	0.000970	±2.5	PASS
Band4	1413	5	NV	10	-0.67	-0.000387	±2.5	PASS

Band4	1413	5	NV	20	0.68	0.000392	±2.5	PASS
Band4	1413	5	NV	30	-1.23	-0.000710	±2.5	PASS
Band4	1413	5	NV	40	-1.09	-0.000629	±2.5	PASS
Band4	1413	5	NV	50	1.14	0.000658	±2.5	PASS
Band5	4183	5	NV	-30	-0.03	-0.000036	±2.5	PASS
Band5	4183	5	NV	-20	-0.82	-0.000980	±2.5	PASS
Band5	4183	5	NV	-10	-1.99	-0.002379	±2.5	PASS
Band5	4183	5	NV	0	-0.77	-0.000920	±2.5	PASS
Band5	4183	5	NV	10	0.05	0.000060	±2.5	PASS
Band5	4183	5	NV	20	-0.09	-0.000108	±2.5	PASS
Band5	4183	5	NV	30	-0.99	-0.001183	±2.5	PASS
Band5	4183	5	NV	40	0.43	0.000514	±2.5	PASS
Band5	4183	5	NV	50	-1.44	-0.001721	±2.5	PASS