Appendix Test Data

Report No.:	18220WC40054502	Test Sample No.:	1-2-2
Start Test Date:	2024.4.23	Finish Test Date:	2024.4.28
Test Engineer:	Hayman Chen	Auditor:	Justin Feng
Temperature:	24.3℃	Relative Humidity:	57 %
Pressure:	101 kPa		

AppendixA: Conducted Output Power

Test Result

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band4	1312	22.26	30.00	PASS
Band4	1413	22.31	30.00	PASS
Band4	1513	22.21	30.00	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band4	1312	1	21.48	30.00	PASS
Band4	1413	1	21.47	30.00	PASS
Band4	1513	1	21.29	30.00	PASS
Band4	1312	2	21.01	30.00	PASS
Band4	1413	2	20.94	30.00	PASS
Band4	1513	2	20.81	30.00	PASS
Band4	1312	3	20.95	30.00	PASS
Band4	1413	3	20.89	30.00	PASS
Band4	1513	3	20.85	30.00	PASS
Band4	1312	4	20.93	30.00	PASS
Band4	1413	4	20.90	30.00	PASS
Band4	1513	4	20.84	30.00	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band4	1312	1	20.81	30.00	PASS
Band4	1413	1	21.31	30.00	PASS
Band4	1513	1	20.92	30.00	PASS
Band4	1312	2	20.17	30.00	PASS
Band4	1413	2	20.39	30.00	PASS
Band4	1513	2	20.26	30.00	PASS
Band4	1312	3	20.37	30.00	PASS

Band4	1413	3	19.73	30.00	PASS
Band4	1513	3	19.90	30.00	PASS
Band4	1312	4	20.44	30.00	PASS
Band4	1413	4	20.88	30.00	PASS
Band4	1513	4	20.16	30.00	PASS
Band4	1312	5	21.33	30.00	PASS
Band4	1413	5	21.43	30.00	PASS
Band4	1513	5	21.29	30.00	PASS

AppendixB:Peak-to-Average Ratio

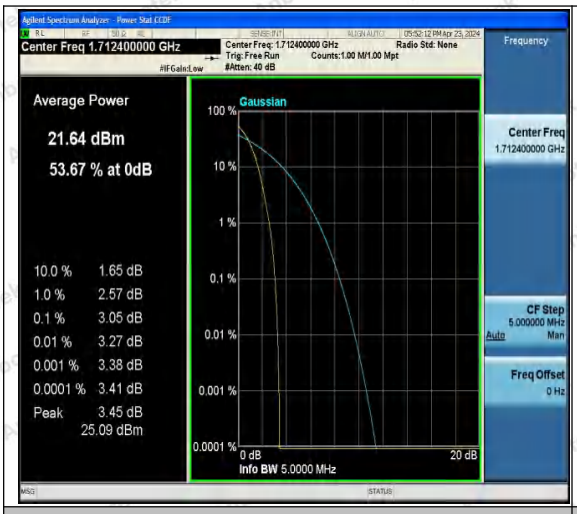
Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band4	1312	3.05	13	PASS
Band4	1413	3.14	13	PASS
Band4	1513	3.04	13	PASS

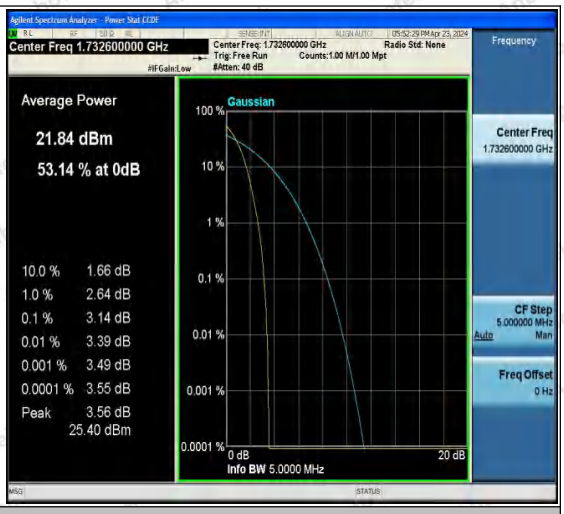
Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band4	1312	1	3.05	13	PASS
Band4	1413	1	3.15	13	PASS
Band4	1513	1	3.03	13	PASS
Band4	1312	2	3.41	13	PASS
Band4	1413	2	3.48	13	PASS
Band4	1513	2	3.38	13	PASS
Band4	1312	3	3.61	13	PASS
Band4	1413	3	3.68	13	PASS
Band4	1513	3	3.59	13	PASS
Band4	1312	4	3.66	13	PASS
Band4	1413	4	3.73	13	PASS
Band4	1513	4	3.63	13	PASS

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band4	1312	1	4.24	13	PASS
Band4	1413	1	4.53	13	PASS
Band4	1513	1	4.37	13	PASS
Band4	1312	2	4.91	13	PASS
Band4	1413	2	5.05	13	PASS
Band4	1513	2	4.89	13	PASS
Band4	1312	3	5.11	13	PASS
Band4	1413	3	5.29	13	PASS
Band4	1513	3	5.15	13	PASS
Band4	1312	4	4.75	13	PASS
Band4	1413	4	4.82	13	PASS
Band4	1513	4	4.89	13	PASS
Band4	1312	5	4.08	13	PASS
Band4	1413	5	4.25	13	PASS
Band4	1513	5	4.1	13	PASS

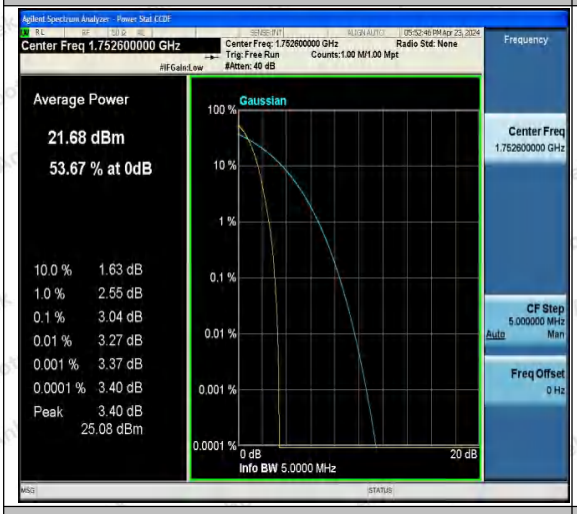
Test Graphs



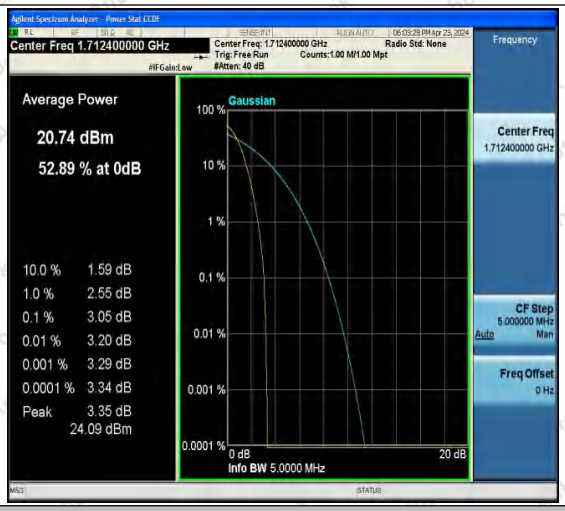
Band4-1312-PASS



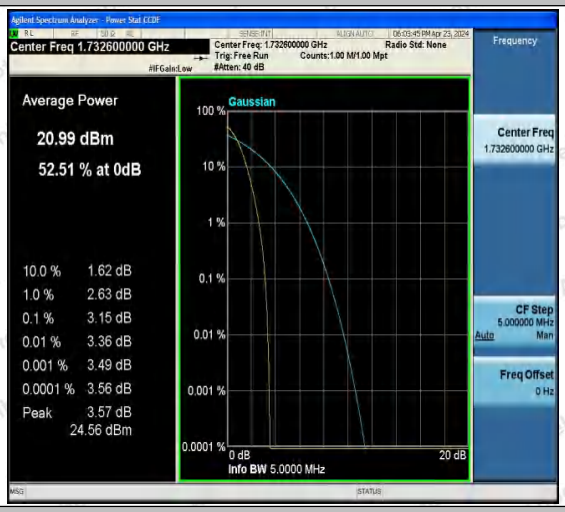
Band4-1413-PASS



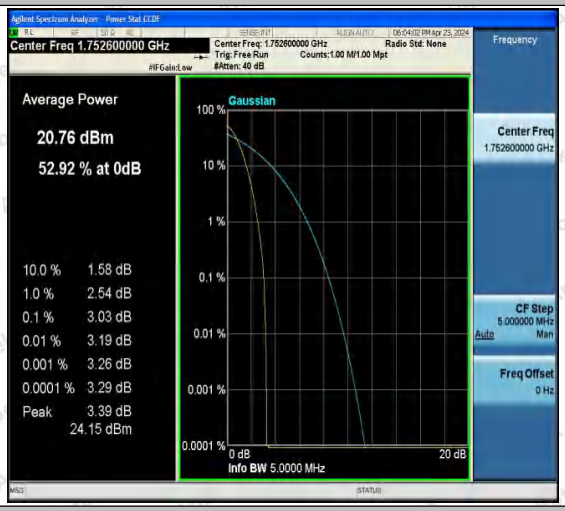
Band4-1513-PASS



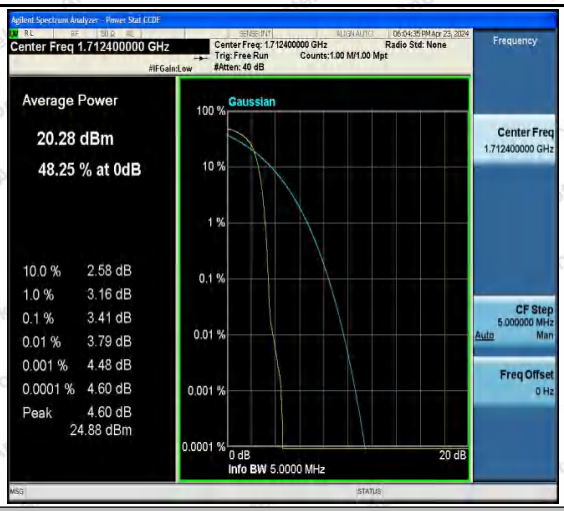
Band4-1312-1-PASS



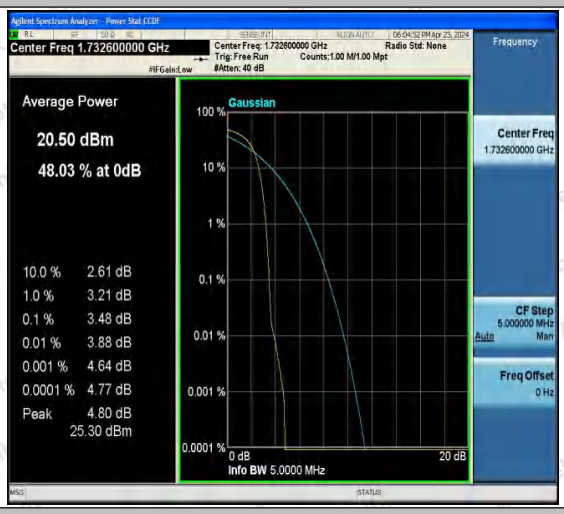
Band4-1413-1-PASS



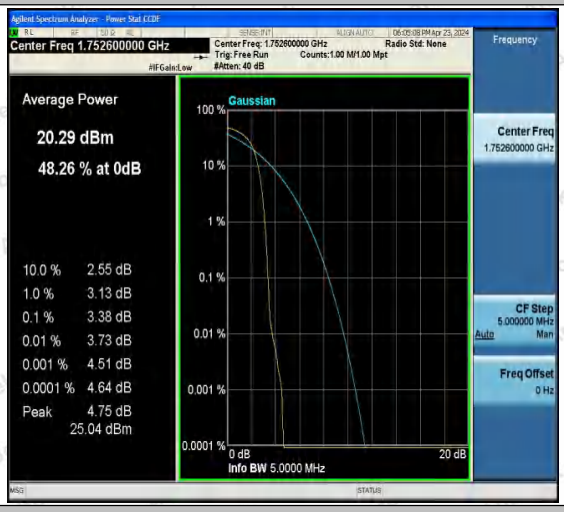
Band4-1513-1-PASS



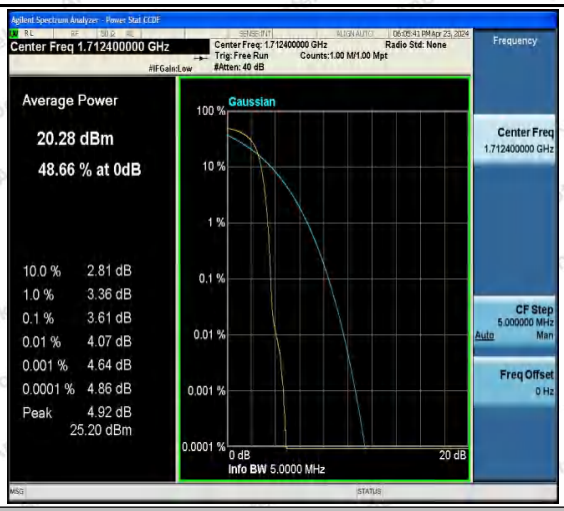
Band4-1312-2-PASS



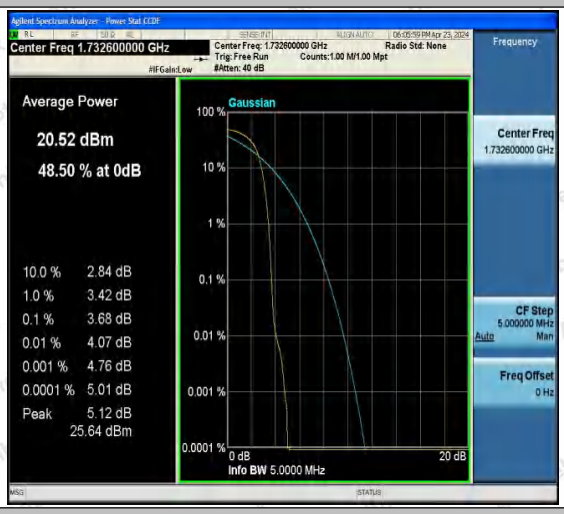
Band4-1413-2-PASS



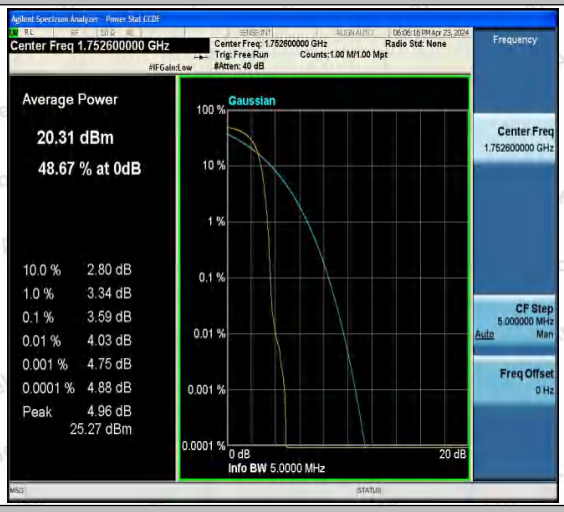
Band4-1513-2-PASS



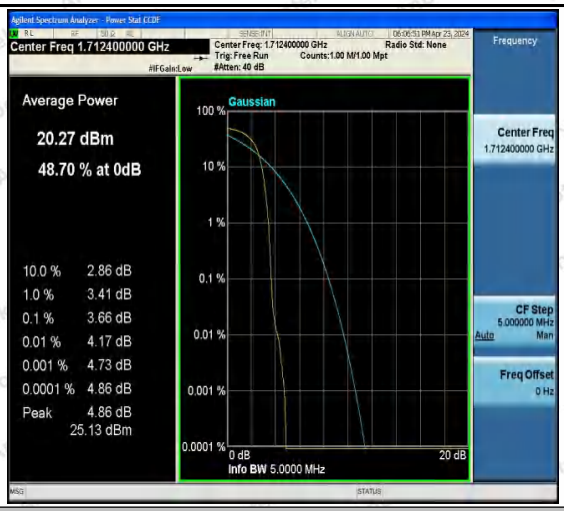
Band4-1312-3-PASS



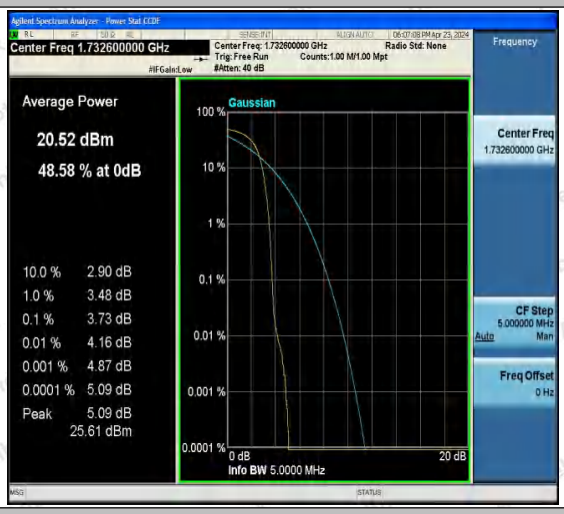
Band4-1413-3-PASS



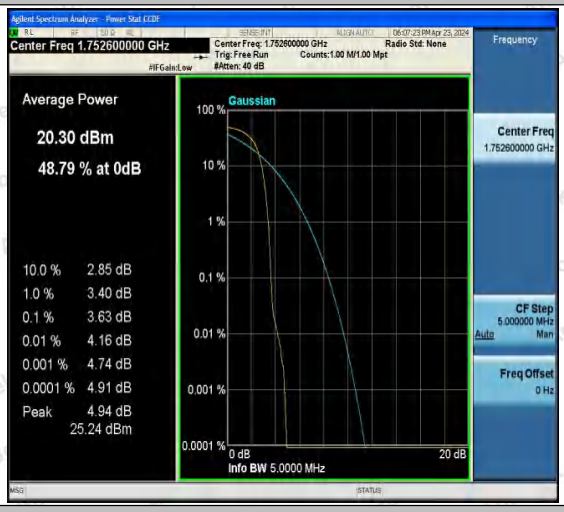
Band4-1513-3-PASS



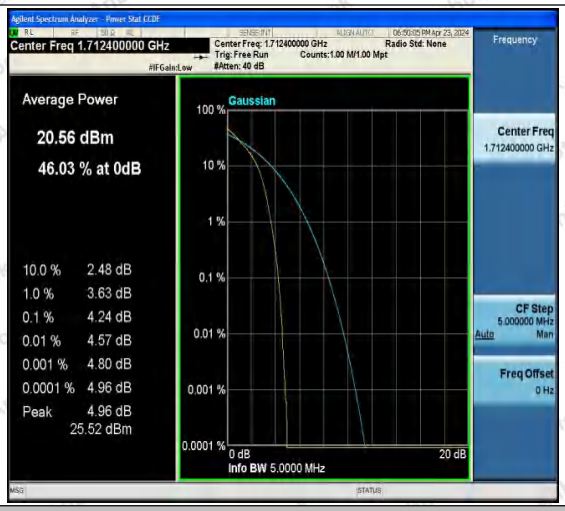
Band4-1312-4-PASS



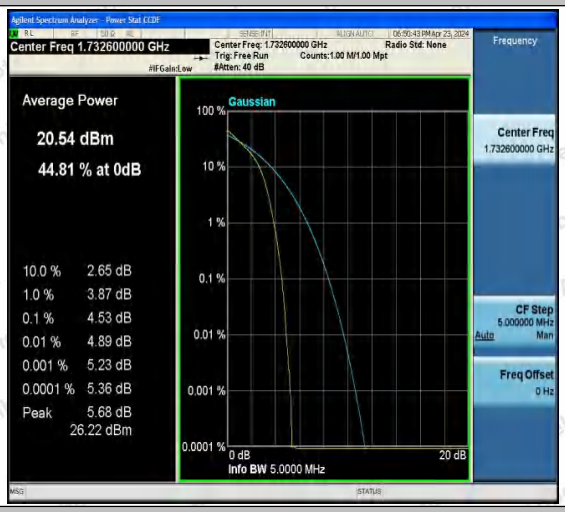
Band4-1413-4-PASS



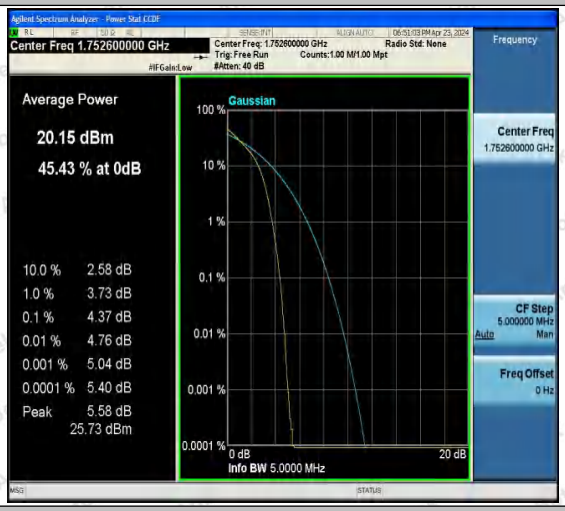
Band4-1513-4-PASS



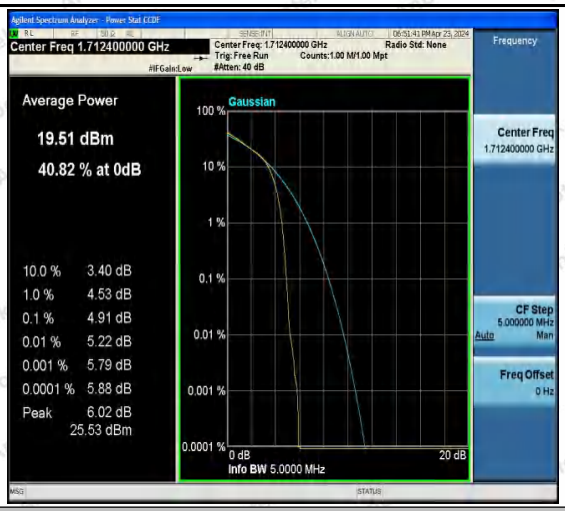
Band4-1312-1-PASS



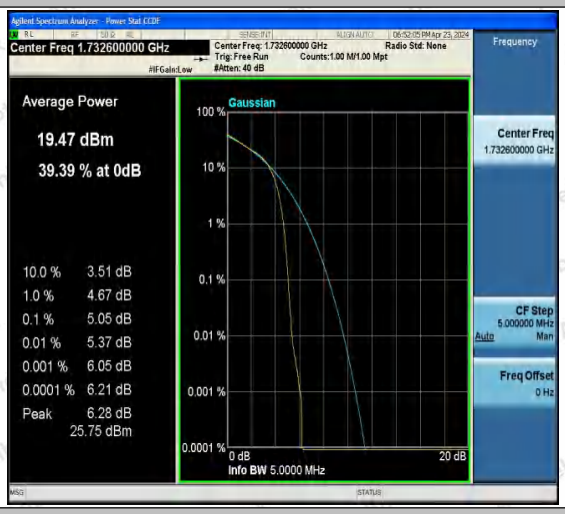
Band4-1413-1-PASS



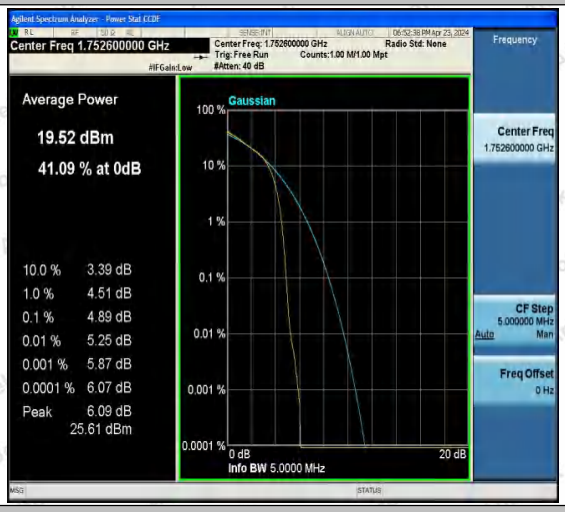
Band4-1513-1-PASS



Band4-1312-2-PASS



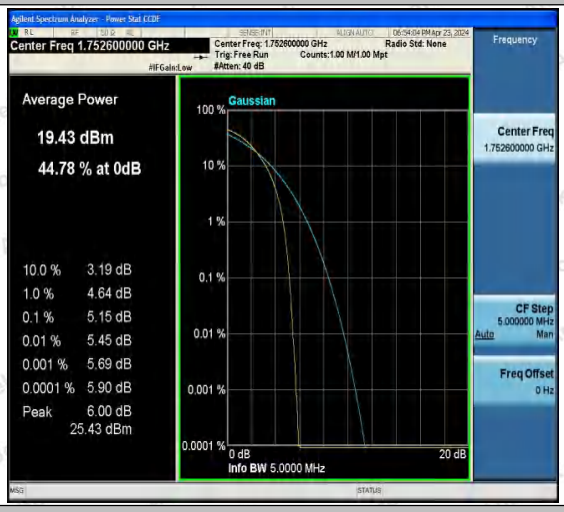
Band4-1413-2-PASS



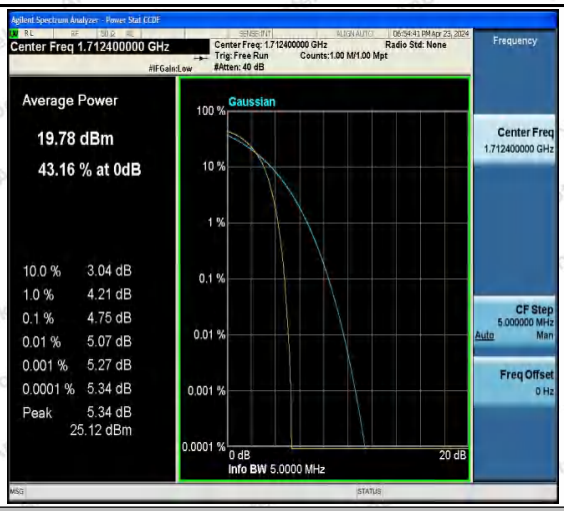
Band4-1513-2-PASS

Band4-1312-3-PASS

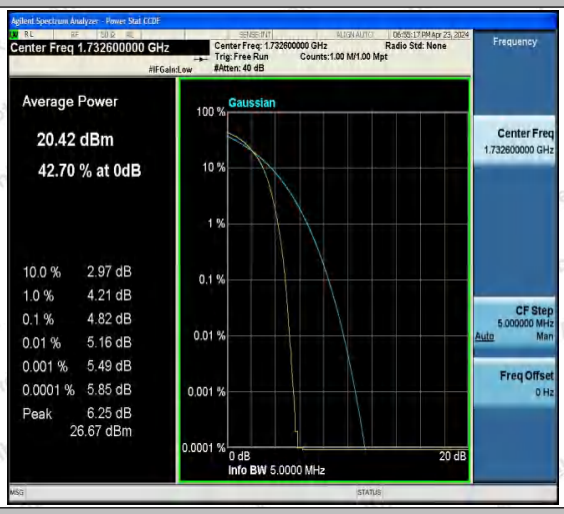
Band4-1413-3-PASS



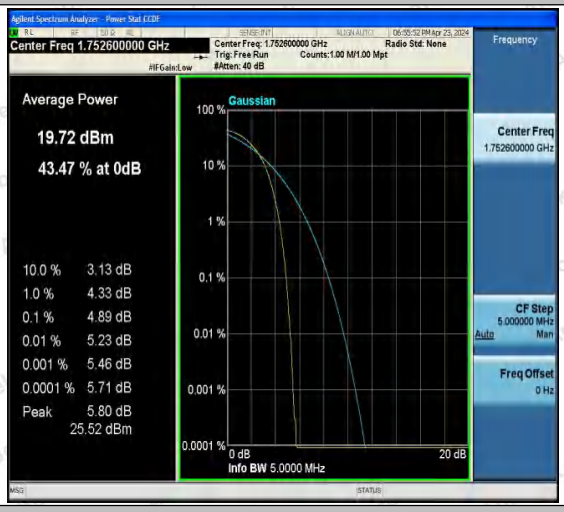
Band4-1513-3-PASS



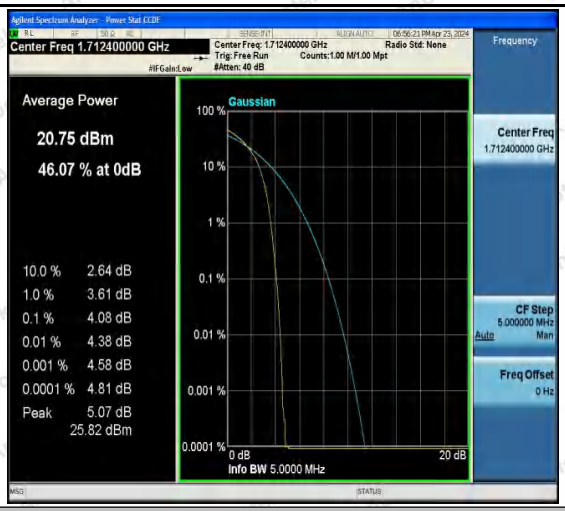
Band4-1312-4-PASS



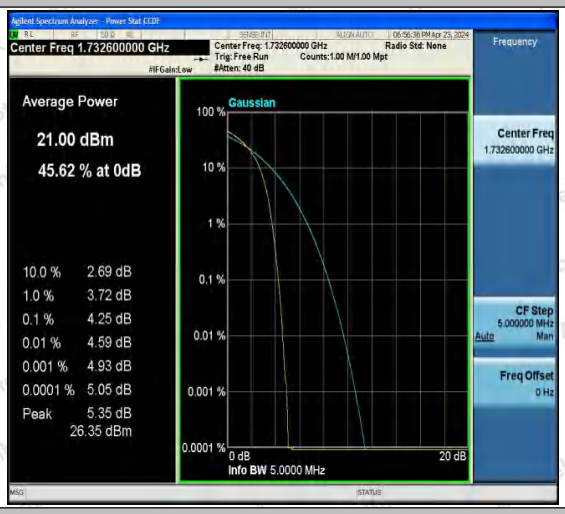
Band4-1413-4-PASS



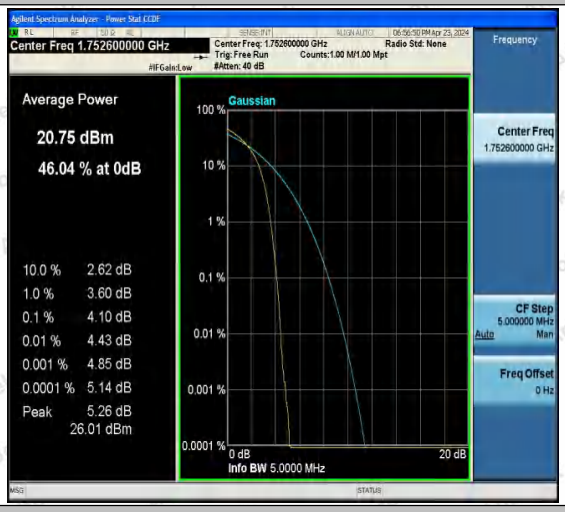
Band4-1513-4-PASS



Band4-1312-5-PASS



Band4-1413-5-PASS



Band4-1513-5-PASS

AppendixC:26dB Bandwidth and Occupied Bandwidth

Test Result

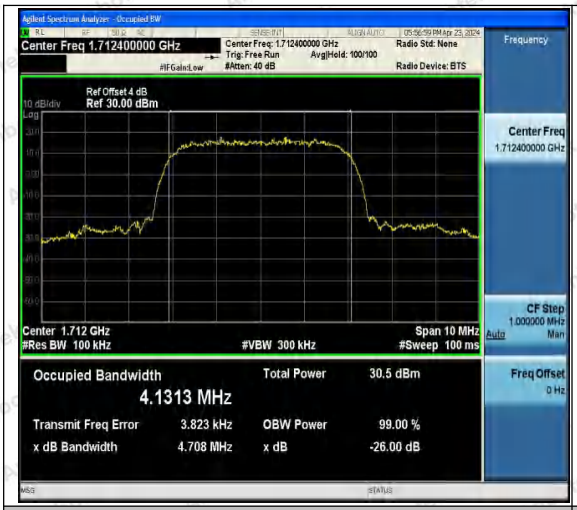
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band4	1312	4.1313	4.708	---	PASS
Band4	1413	4.1267	4.706	---	PASS
Band4	1513	4.1382	4.709	---	PASS

Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band4	1312	1	4.1255	4.713	---	PASS
Band4	1413	1	4.1292	4.725	---	PASS
Band4	1513	1	4.1247	4.726	---	PASS
Band4	1312	2	4.1214	4.715	---	PASS
Band4	1413	2	4.1264	4.709	---	PASS
Band4	1513	2	4.1226	4.719	---	PASS
Band4	1312	3	4.1238	4.718	---	PASS
Band4	1413	3	4.1381	4.718	---	PASS
Band4	1513	3	4.1159	4.704	---	PASS
Band4	1312	4	4.1265	4.700	---	PASS
Band4	1413	4	4.1333	4.708	---	PASS
Band4	1513	4	4.1390	4.692	---	PASS

Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band4	1312	1	4.1404	4.712	---	PASS
Band4	1413	1	4.1483	4.722	---	PASS
Band4	1513	1	4.1492	4.723	---	PASS
Band4	1312	2	4.1368	4.725	---	PASS
Band4	1413	2	4.1363	4.720	---	PASS
Band4	1513	2	4.1417	4.718	---	PASS
Band4	1312	3	4.1458	4.722	---	PASS
Band4	1413	3	4.1459	4.718	---	PASS
Band4	1513	3	4.1426	4.717	---	PASS
Band4	1312	4	4.1329	4.718	---	PASS
Band4	1413	4	4.1411	4.717	---	PASS

Band4	1513	4	4.1419	4.719	---	PASS
Band4	1312	5	4.1327	4.725	---	PASS
Band4	1413	5	4.1263	4.716	---	PASS
Band4	1513	5	4.1329	4.733	---	PASS

Test Graphs



Band4-1312-PASS

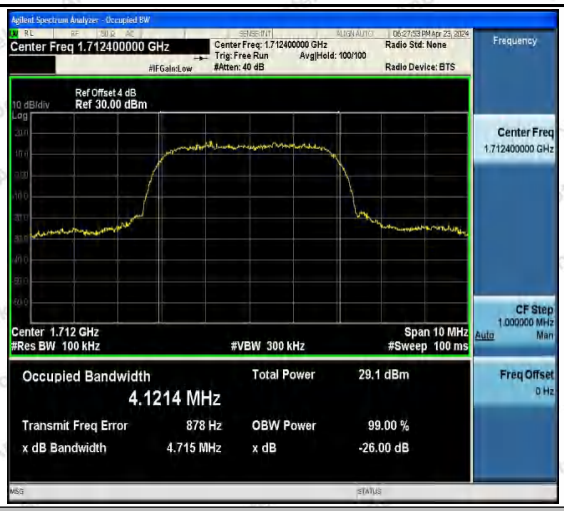
Band4-1413-PASS

Band4-1513-PASS

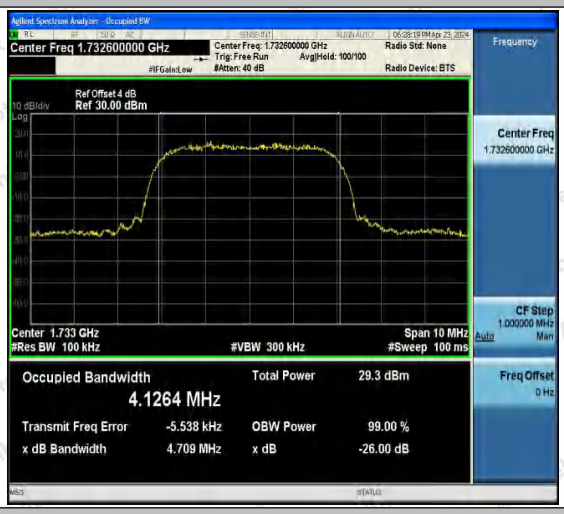
Band4-1312-1-PASS

Band4-1413-1-PASS

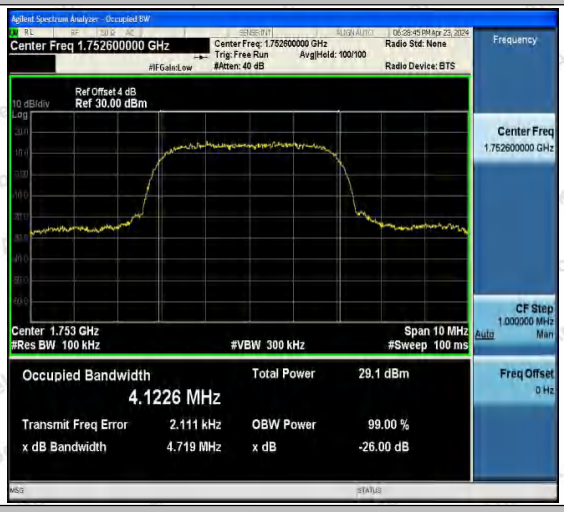
Band4-1513-1-PASS



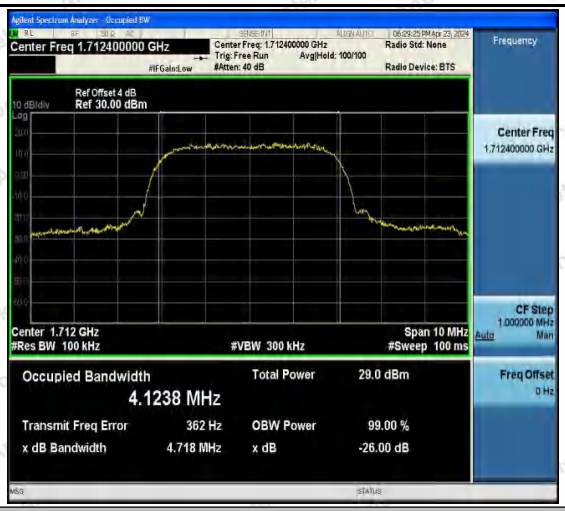
Band4-1312-2-PASS



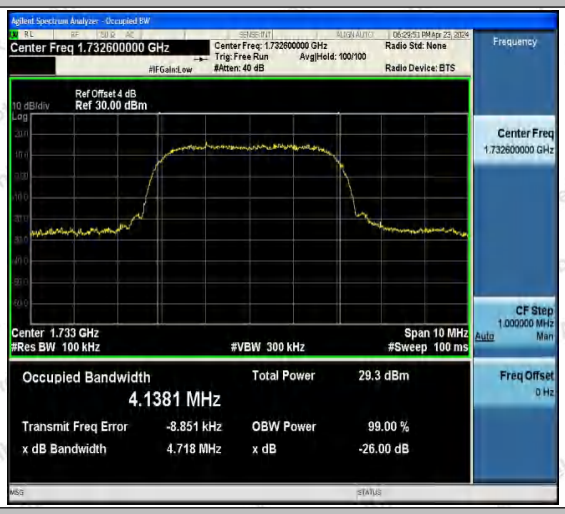
Band4-1413-2-PASS



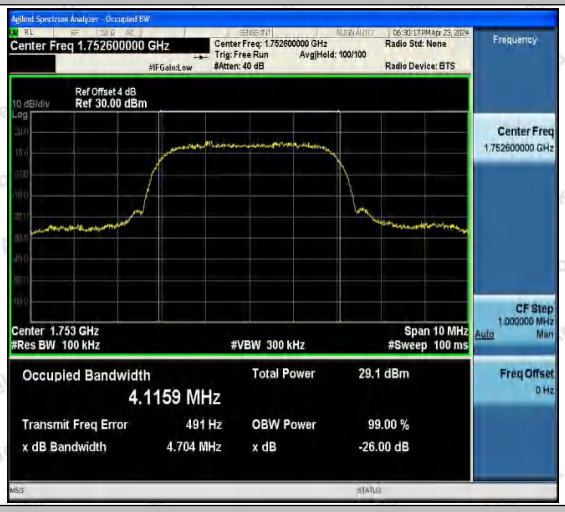
Band4-1513-2-PASS



Band4-1312-3-PASS

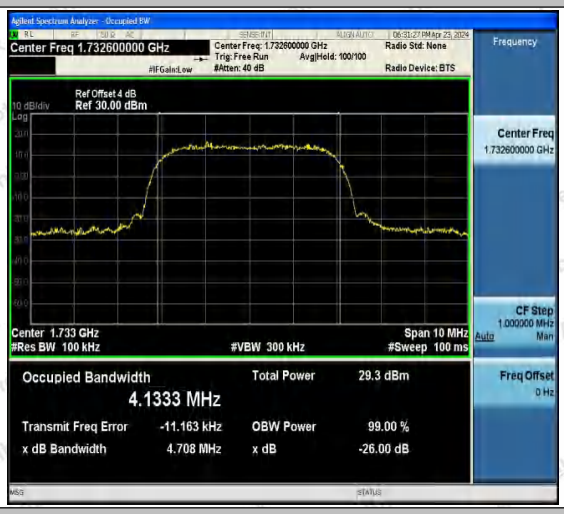


Band4-1413-3-PASS



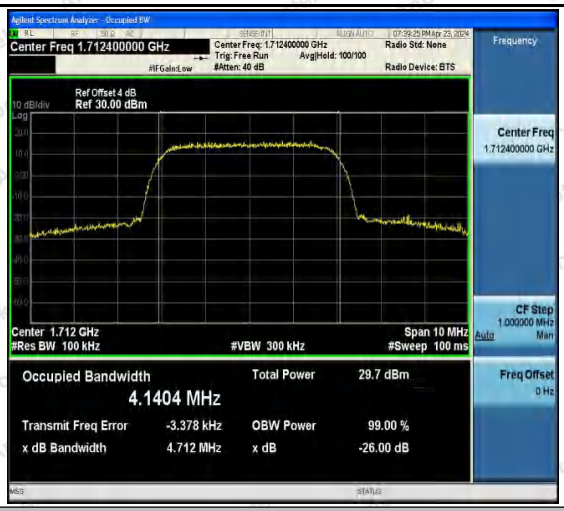
Band4-1513-3-PASS

Band4-1312-4-PASS



Band4-1413-4-PASS

Band4-1513-4-PASS



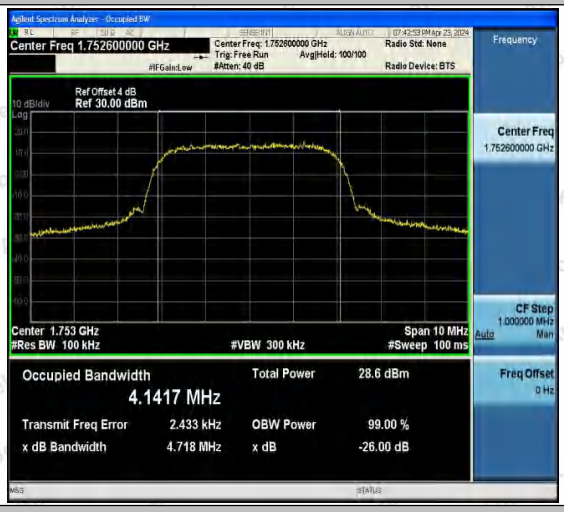
Band4-1312-1-PASS

Band4-1413-1-PASS

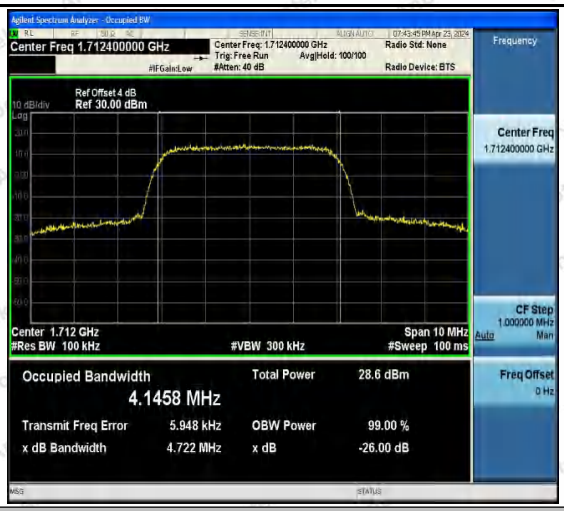
Band4-1513-1-PASS

Band4-1312-2-PASS

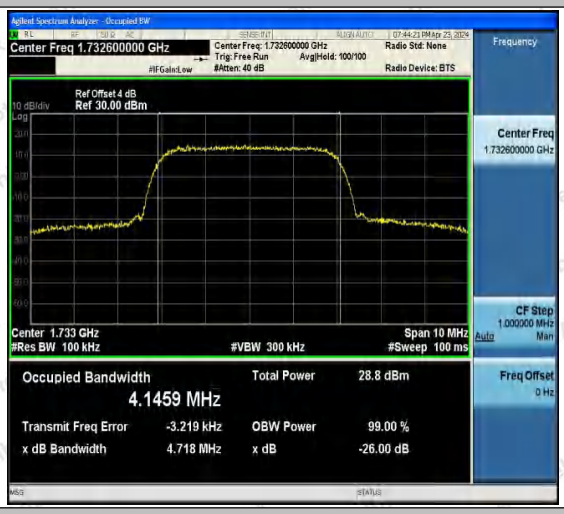
Band4-1413-2-PASS



Band4-1513-2-PASS



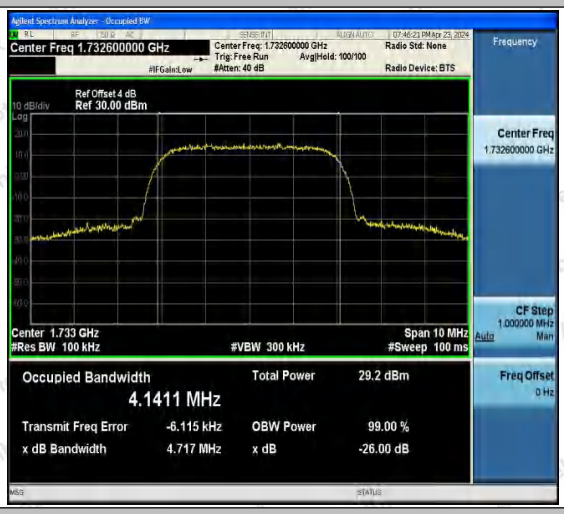
Band4-1312-3-PASS



Band4-1413-3-PASS

Band4-1513-3-PASS

Band4-1312-4-PASS



Band4-1413-4-PASS

Band4-1513-4-PASS

Band4-1312-5-PASS

Band4-1413-5-PASS

Band4-1513-5-PASS

AppendixD:Band Edge

Test Result

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band4	1312	1710.00	-27.31	-13	PASS
Band4	1513	1755.00	-26.69	-13	PASS

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band4	1312	1	1710.00	-27.59	-13	PASS
Band4	1513	1	1755.00	-27.33	-13	PASS
Band4	1312	2	1710.00	-28.96	-13	PASS
Band4	1513	2	1755.00	-28.45	-13	PASS
Band4	1312	3	1709.85	-28.13	-13	PASS
Band4	1513	3	1755.16	-27.19	-13	PASS
Band4	1312	4	1709.85	-28.27	-13	PASS
Band4	1513	4	1755.13	-27.19	-13	PASS

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band4	1312	1	1710.00	-28.60	-13	PASS
Band4	1513	1	1755.00	-27.66	-13	PASS
Band4	1312	2	1709.84	-29.56	-13	PASS
Band4	1513	2	1755.19	-27.75	-13	PASS
Band4	1312	3	1710.00	-30.17	-13	PASS
Band4	1513	3	1755.15	-28.56	-13	PASS
Band4	1312	4	1710.00	-29.52	-13	PASS
Band4	1513	4	1755.00	-28.39	-13	PASS
Band4	1312	5	1710.00	-28.03	-13	PASS
Band4	1513	5	1755.00	-27.87	-13	PASS

Test Graphs

Band4-1312-PASS

Band4-1513-PASS

Band4-1312-1-PASS

Band4-1513-1-PASS

Band4-1312-2-PASS

Band4-1513-2-PASS

Band4-1312-3-PASS

Band4-1513-3-PASS

Band4-1312-4-PASS

Band4-1513-4-PASS

Band4-1312-1-PASS

Band4-1513-1-PASS

Band4-1312-2-PASS

Band4-1513-2-PASS

Band4-1312-3-PASS

Band4-1513-3-PASS

Band4-1312-4-PASS

Band4-1513-4-PASS

Band4-1312-5-PASS

Band4-1513-5-PASS

AppendixE:Conducted SpuriousEmission

Test Result

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band4	1312	0.009~0.15MHz	0.01	-47.56	-43	PASS
Band4	1312	0.15~30MHz	0.15	-55.03	-33	PASS
Band4	1312	30~1000MHz	927.74	-51.76	-13	PASS
Band4	1312	1000~20000MHz	19882.2	-42.03	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-44.18	-43	PASS
Band4	1413	0.15~30MHz	0.15	-54.57	-33	PASS
Band4	1413	30~1000MHz	803.58	-51.69	-13	PASS
Band4	1413	1000~20000MHz	19522.15	-41.63	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-47.25	-43	PASS
Band4	1513	0.15~30MHz	0.15	-55.11	-33	PASS
Band4	1513	30~1000MHz	798.73	-51.71	-13	PASS
Band4	1513	1000~20000MHz	19916.4	-41.65	-13	PASS

Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band4	1312	1	0.009~0.15MHz	0.01	-46.46	-43	PASS
Band4	1312	1	0.15~30MHz	0.15	-53.58	-33	PASS
Band4	1312	1	30~1000MHz	789.03	-51.68	-13	PASS
Band4	1312	1	1000~20000MHz	19515.5	-41.89	-13	PASS
Band4	1413	1	0.009~0.15MHz	0.01	-44.62	-43	PASS
Band4	1413	1	0.15~30MHz	0.15	-54.13	-33	PASS
Band4	1413	1	30~1000MHz	914.64	-51.77	-13	PASS
Band4	1413	1	1000~20000MHz	19550.65	-41.74	-13	PASS
Band4	1513	1	0.009~0.15MHz	0.01	-47.44	-43	PASS
Band4	1513	1	0.15~30MHz	0.15	-54.94	-33	PASS
Band4	1513	1	30~1000MHz	921.43	-51.64	-13	PASS
Band4	1513	1	1000~20000MHz	19531.18	-41.68	-13	PASS
Band4	1312	2	0.009~0.15MHz	0.01	-48.26	-43	PASS
Band4	1312	2	0.15~30MHz	0.15	-52.53	-33	PASS
Band4	1312	2	30~1000MHz	801.64	-51.76	-13	PASS
Band4	1312	2	1000~20000MHz	16250.83	-41.81	-13	PASS
Band4	1413	2	0.009~0.15MHz	0.01	-45.77	-43	PASS
Band4	1413	2	0.15~30MHz	0.15	-54.19	-33	PASS
Band4	1413	2	30~1000MHz	952.96	-51.82	-13	PASS
Band4	1413	2	1000~20000MHz	19868.43	-41.62	-13	PASS
Band4	1513	2	0.009~0.15MHz	0.01	-48.24	-43	PASS
Band4	1513	2	0.15~30MHz	0.15	-54.06	-33	PASS

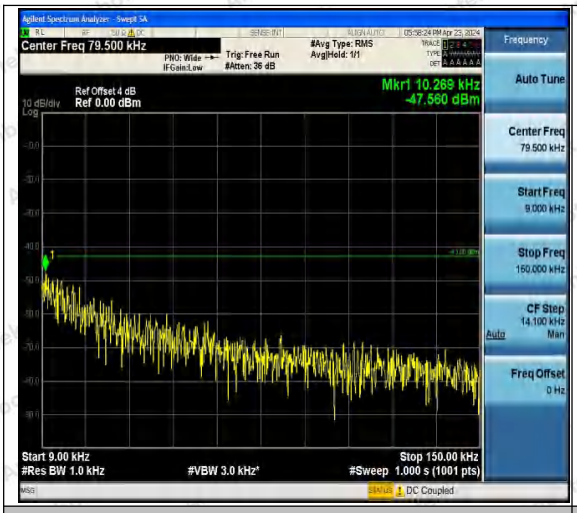
Band4	1513	2	30~1000MHz	804.55	-51.68	-13	PASS
Band4	1513	2	1000~20000MHz	19882.2	-41.78	-13	PASS
Band4	1312	3	0.009~0.15MHz	0.01	-48.41	-43	PASS
Band4	1312	3	0.15~30MHz	0.15	-54.86	-33	PASS
Band4	1312	3	30~1000MHz	920.95	-51.73	-13	PASS
Band4	1312	3	1000~20000MHz	19516.45	-41.71	-13	PASS
Band4	1413	3	0.009~0.15MHz	0.01	-49.29	-43	PASS
Band4	1413	3	0.15~30MHz	0.15	-53.6	-33	PASS
Band4	1413	3	30~1000MHz	907.37	-51.67	-13	PASS
Band4	1413	3	1000~20000MHz	19529.75	-41.26	-13	PASS
Band4	1513	3	0.009~0.15MHz	0.01	-47.89	-43	PASS
Band4	1513	3	0.15~30MHz	0.15	-53.34	-33	PASS
Band4	1513	3	30~1000MHz	914.64	-51.71	-13	PASS
Band4	1513	3	1000~20000MHz	19495.55	-41.21	-13	PASS
Band4	1312	4	0.009~0.15MHz	0.01	-45.96	-43	PASS
Band4	1312	4	0.15~30MHz	0.15	-54.74	-33	PASS
Band4	1312	4	30~1000MHz	889.42	-51.8	-13	PASS
Band4	1312	4	1000~20000MHz	18968.78	-41.79	-13	PASS
Band4	1413	4	0.009~0.15MHz	0.01	-46.85	-43	PASS
Band4	1413	4	0.15~30MHz	0.15	-53.76	-33	PASS
Band4	1413	4	30~1000MHz	778.36	-51.74	-13	PASS
Band4	1413	4	1000~20000MHz	18854.3	-41.54	-13	PASS
Band4	1513	4	0.009~0.15MHz	0.01	-46.91	-43	PASS
Band4	1513	4	0.15~30MHz	0.15	-56.51	-33	PASS
Band4	1513	4	30~1000MHz	810.85	-51.74	-13	PASS
Band4	1513	4	1000~20000MHz	19918.78	-41.85	-13	PASS

Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band4	1312	1	0.009~0.15MHz	0.01	-45.47	-43	PASS
Band4	1312	1	0.15~30MHz	0.15	-53.65	-33	PASS
Band4	1312	1	30~1000MHz	778.84	-51.71	-13	PASS
Band4	1312	1	1000~20000MHz	19864.63	-41.95	-13	PASS
Band4	1413	1	0.009~0.15MHz	0.01	-47.61	-43	PASS
Band4	1413	1	0.15~30MHz	0.15	-52.66	-33	PASS
Band4	1413	1	30~1000MHz	830.74	-49.97	-13	PASS
Band4	1413	1	1000~20000MHz	18843.38	-41.7	-13	PASS
Band4	1513	1	0.009~0.15MHz	0.01	-47.7	-43	PASS
Band4	1513	1	0.15~30MHz	0.15	-54.72	-33	PASS
Band4	1513	1	30~1000MHz	909.79	-51.66	-13	PASS
Band4	1513	1	1000~20000MHz	19496.03	-41.73	-13	PASS

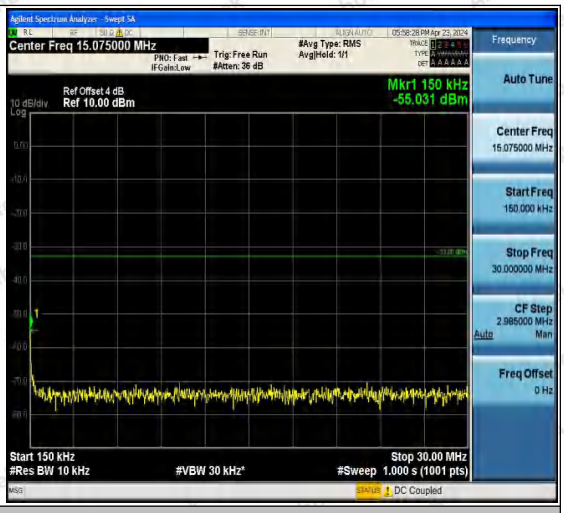
Band4	1312	2	0.009~0.15MHz	0.01	-47.27	-43	PASS
Band4	1312	2	0.15~30MHz	0.15	-54.28	-33	PASS
Band4	1312	2	30~1000MHz	778.36	-51.79	-13	PASS
Band4	1312	2	1000~20000MHz	19549.7	-41.57	-13	PASS
Band4	1413	2	0.009~0.15MHz	0.01	-45.68	-43	PASS
Band4	1413	2	0.15~30MHz	0.15	-55.25	-33	PASS
Band4	1413	2	30~1000MHz	788.06	-51.77	-13	PASS
Band4	1413	2	1000~20000MHz	19508.38	-41.46	-13	PASS
Band4	1513	2	0.009~0.15MHz	0.01	-46.47	-43	PASS
Band4	1513	2	0.15~30MHz	0.15	-53.6	-33	PASS
Band4	1513	2	30~1000MHz	860.32	-51.77	-13	PASS
Band4	1513	2	1000~20000MHz	19468.48	-41.68	-13	PASS
Band4	1312	3	0.009~0.15MHz	0.01	-47.96	-43	PASS
Band4	1312	3	0.15~30MHz	0.15	-53.27	-33	PASS
Band4	1312	3	30~1000MHz	789.51	-51.61	-13	PASS
Band4	1312	3	1000~20000MHz	18863.33	-41.14	-13	PASS
Band4	1413	3	0.009~0.15MHz	0.01	-44.69	-43	PASS
Band4	1413	3	0.15~30MHz	0.15	-54.81	-33	PASS
Band4	1413	3	30~1000MHz	919.49	-51.71	-13	PASS
Band4	1413	3	1000~20000MHz	19530.23	-41.66	-13	PASS
Band4	1513	3	0.009~0.15MHz	0.01	-46.25	-43	PASS
Band4	1513	3	0.15~30MHz	0.15	-53.1	-33	PASS
Band4	1513	3	30~1000MHz	789.03	-51.8	-13	PASS
Band4	1513	3	1000~20000MHz	18974	-41.43	-13	PASS
Band4	1312	4	0.009~0.15MHz	0.01	-44.66	-43	PASS
Band4	1312	4	0.15~30MHz	0.15	-52.81	-33	PASS
Band4	1312	4	30~1000MHz	931.13	-51.66	-13	PASS
Band4	1312	4	1000~20000MHz	18993	-41.77	-13	PASS
Band4	1413	4	0.009~0.15MHz	0.01	-44.38	-43	PASS
Band4	1413	4	0.15~30MHz	0.15	-53.35	-33	PASS
Band4	1413	4	30~1000MHz	800.18	-51.73	-13	PASS
Band4	1413	4	1000~20000MHz	19822.83	-41.81	-13	PASS
Band4	1513	4	0.009~0.15MHz	0.01	-46.28	-43	PASS
Band4	1513	4	0.15~30MHz	0.15	-54.26	-33	PASS
Band4	1513	4	30~1000MHz	790.97	-51.74	-13	PASS
Band4	1513	4	1000~20000MHz	19518.35	-41.64	-13	PASS
Band4	1312	5	0.009~0.15MHz	0.01	-45.45	-43	PASS
Band4	1312	5	0.15~30MHz	0.15	-52.9	-33	PASS
Band4	1312	5	30~1000MHz	911.25	-51.7	-13	PASS
Band4	1312	5	1000~20000MHz	19515.5	-41.46	-13	PASS
Band4	1413	5	0.009~0.15MHz	0.01	-47.47	-43	PASS
Band4	1413	5	0.15~30MHz	0.15	-53.84	-33	PASS

Band4	1413	5	30~1000MHz	921.43	-51.81	-13	PASS
Band4	1413	5	1000~20000MHz	19471.33	-41.52	-13	PASS
Band4	1513	5	0.009~0.15MHz	0.01	-47.72	-43	PASS
Band4	1513	5	0.15~30MHz	0.15	-52.29	-33	PASS
Band4	1513	5	30~1000MHz	806.97	-51.64	-13	PASS
Band4	1513	5	1000~20000MHz	19961.53	-41.52	-13	PASS

Test Graphs



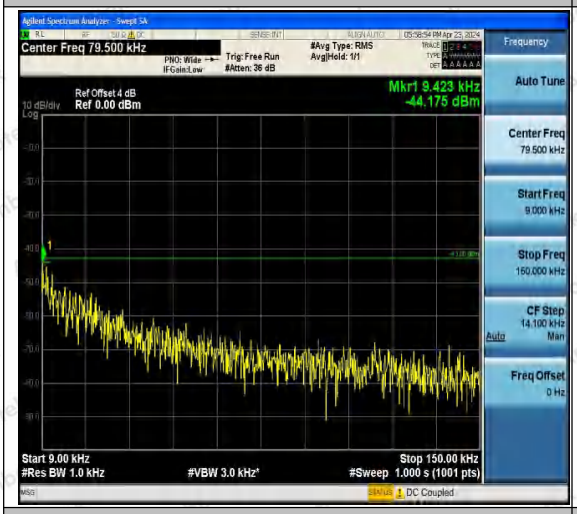
Band4-1312-0.009~0.15MHz-PASS



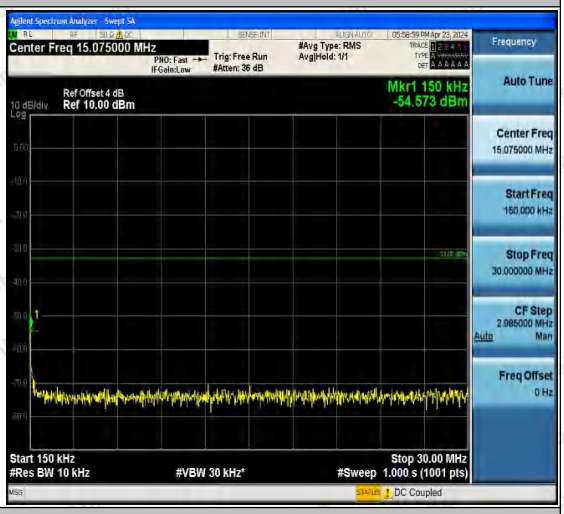
Band4-1312-0.15~30MHz-PASS

Band4-1312-30~1000MHz-PASS

Band4-1312-1000~20000MHz-PASS



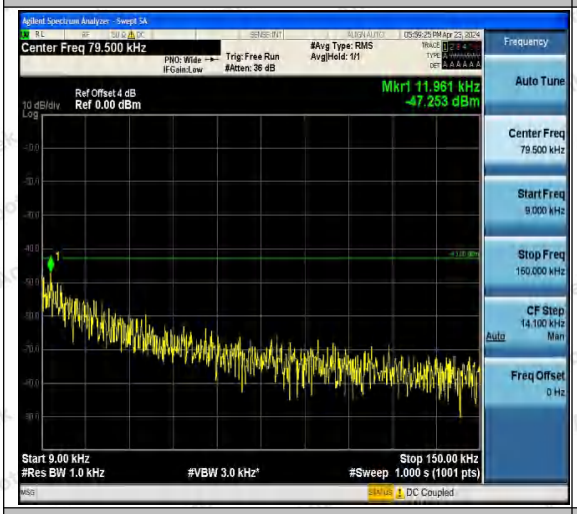
Band4-1413-0.009~0.15MHz-PASS



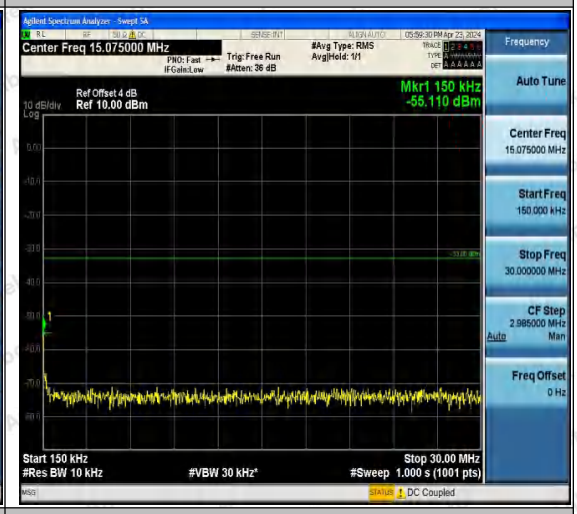
Band4-1413-0.15~30MHz-PASS

Band4-1413-30~1000MHz-PASS

Band4-1413-1000~20000MHz-PASS



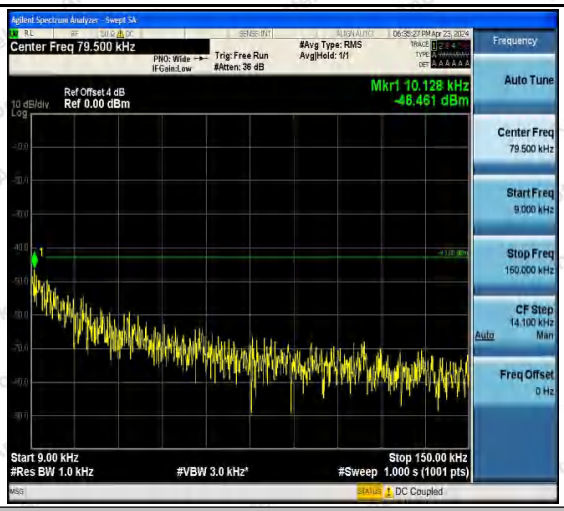
Band4-1513-0.009~0.15MHz-PASS



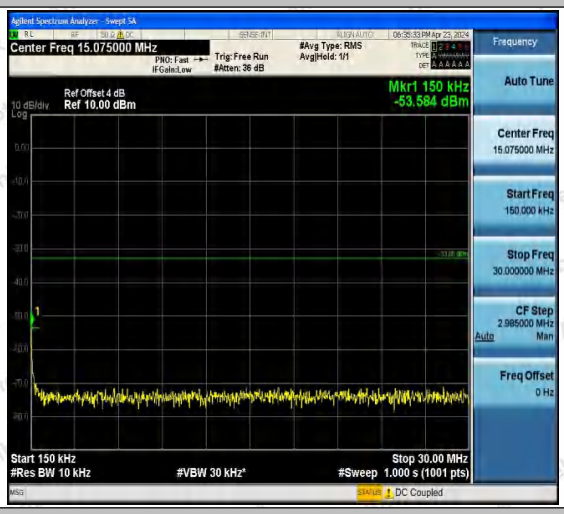
Band4-1513-0.15~30MHz-PASS

Band4-1513-30~1000MHz-PASS

Band4-1513-1000~20000MHz-PASS



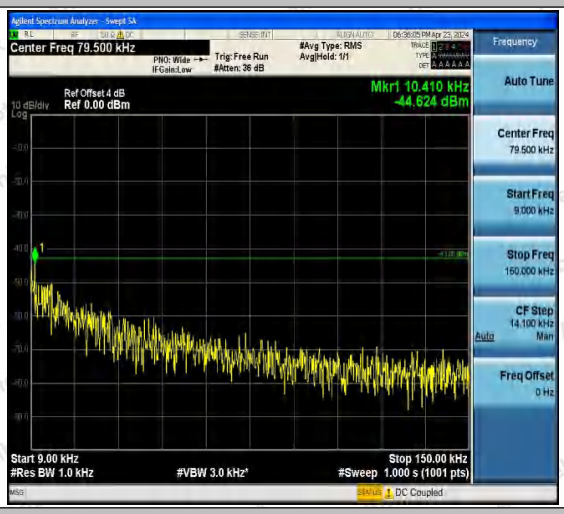
Band4-1312-1-0.009~0.15MHz-PASS



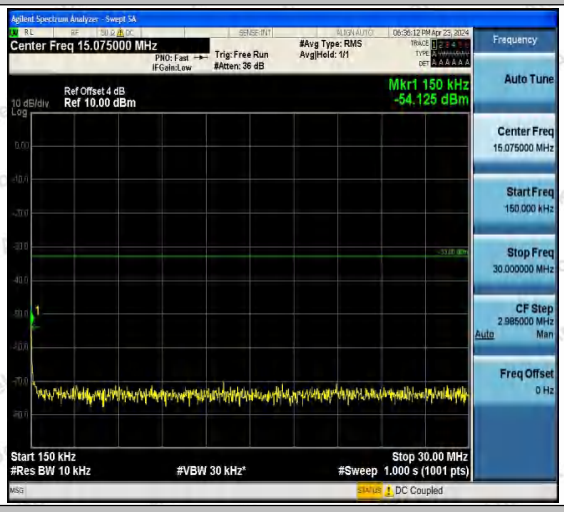
Band4-1312-1-0.15~30MHz-PASS

Band4-1312-1-30~1000MHz-PASS

Band4-1312-1-1000~20000MHz-PASS



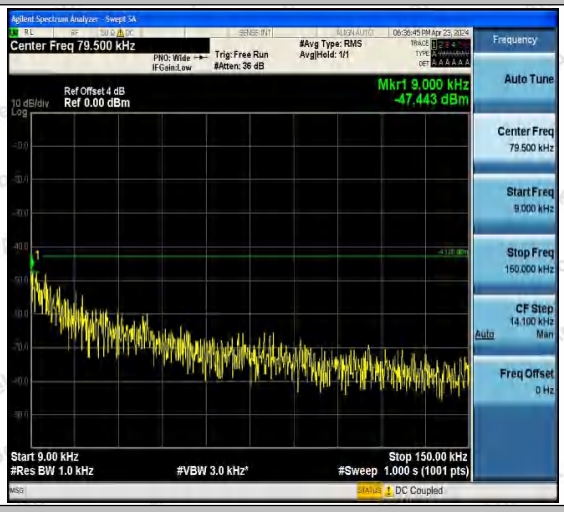
Band4-1413-1-0.009~0.15MHz-PASS



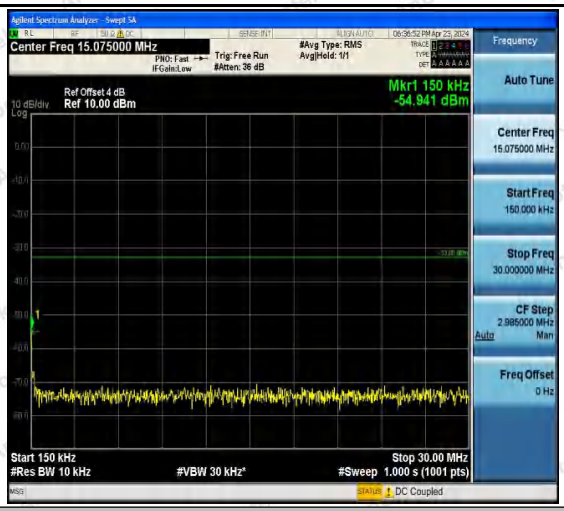
Band4-1413-1-0.15~30MHz-PASS

Band4-1413-1-30~1000MHz-PASS

Band4-1413-1-1000~20000MHz-PASS



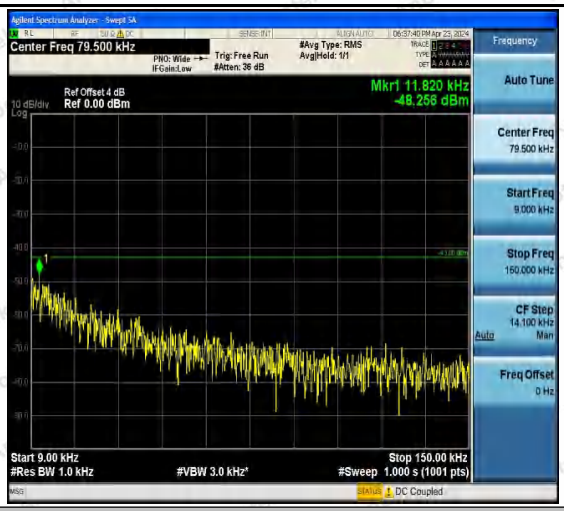
Band4-1513-1-0.009~0.15MHz-PASS



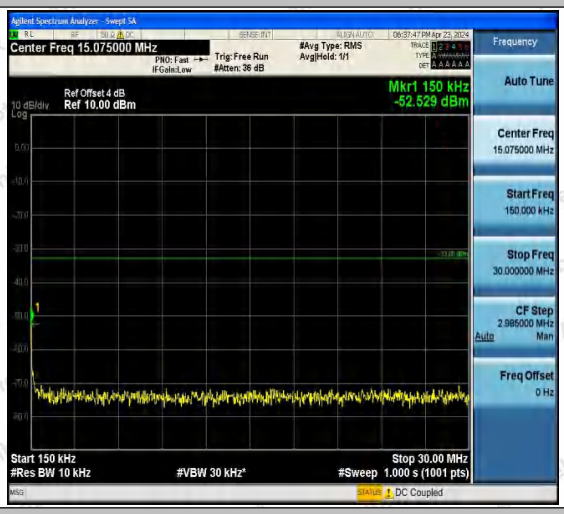
Band4-1513-1-0.15~30MHz-PASS

Band4-1513-1-30~1000MHz-PASS

Band4-1513-1-1000~20000MHz-PASS



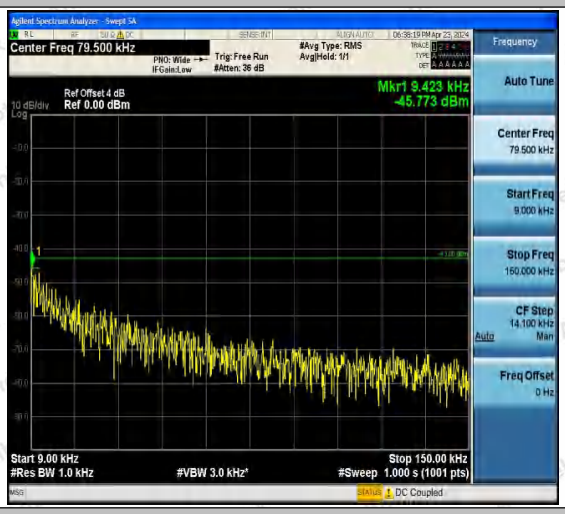
Band4-1312-2-0.009~0.15MHz-PASS



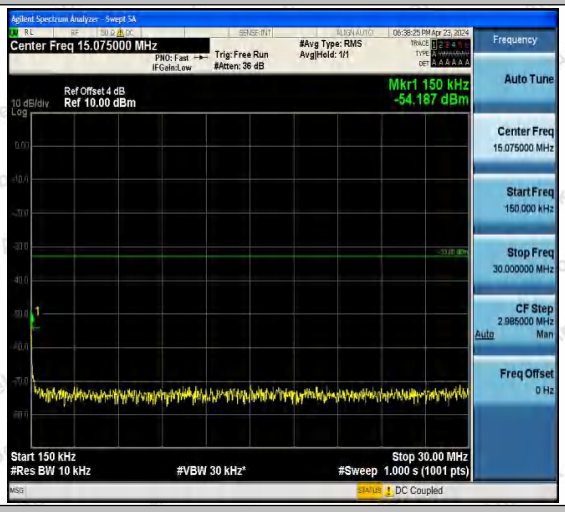
Band4-1312-2-0.15~30MHz-PASS

Band4-1312-2-30~1000MHz-PASS

Band4-1312-2-1000~20000MHz-PASS

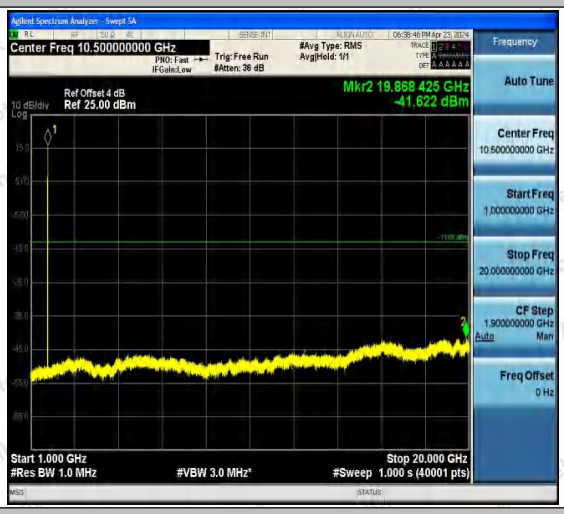


Band4-1413-2-0.009~0.15MHz-PASS

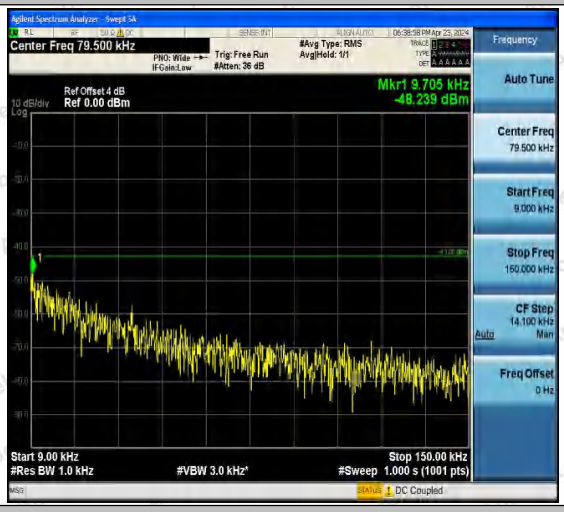


Band4-1413-2-0.15~30MHz-PASS

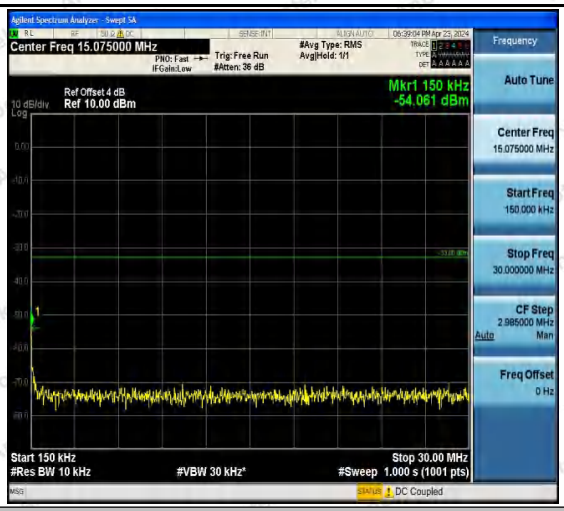
Band4-1413-2-30~1000MHz-PASS



Band4-1413-2-1000~20000MHz-PASS



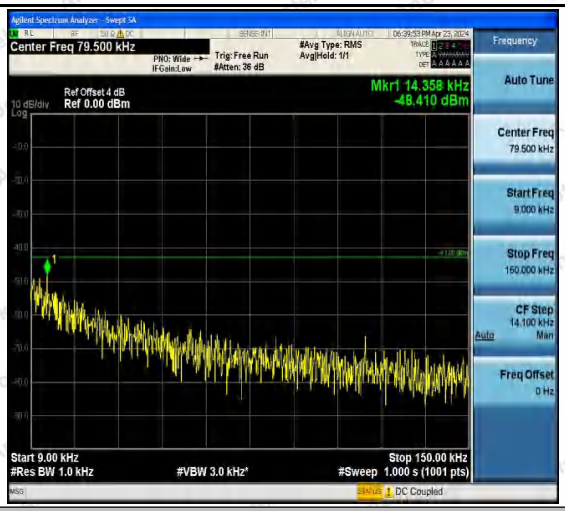
Band4-1513-2-0.009~0.15MHz-PASS



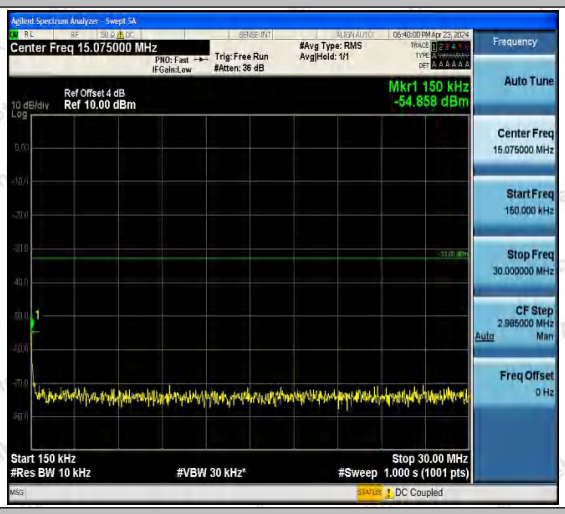
Band4-1513-2-0.15~30MHz-PASS

Band4-1513-2-30~1000MHz-PASS

Band4-1513-2-1000~20000MHz-PASS



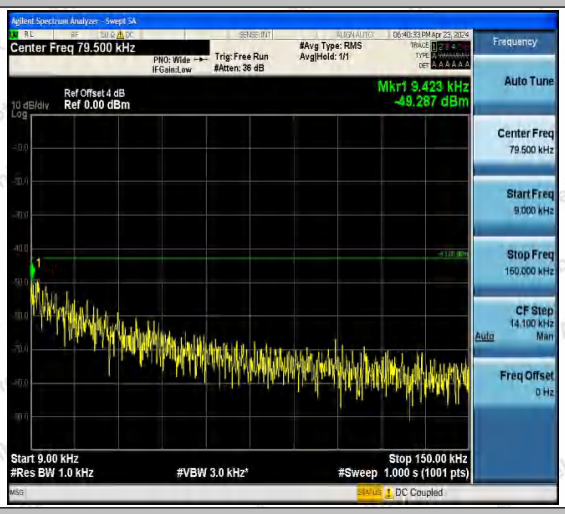
Band4-1312-3-0.009~0.15MHz-PASS



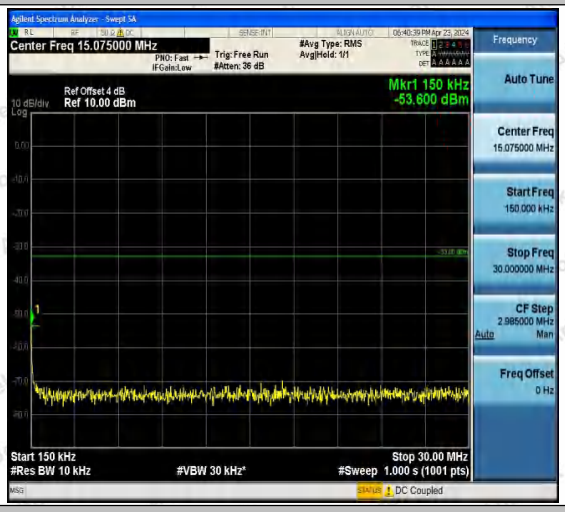
Band4-1312-3-0.15~30MHz-PASS

Band4-1312-3-30~1000MHz-PASS

Band4-1312-3-1000~20000MHz-PASS

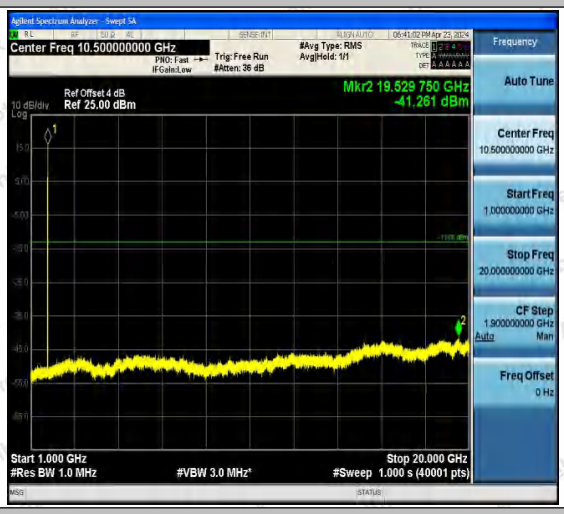


Band4-1413-3-0.009~0.15MHz-PASS

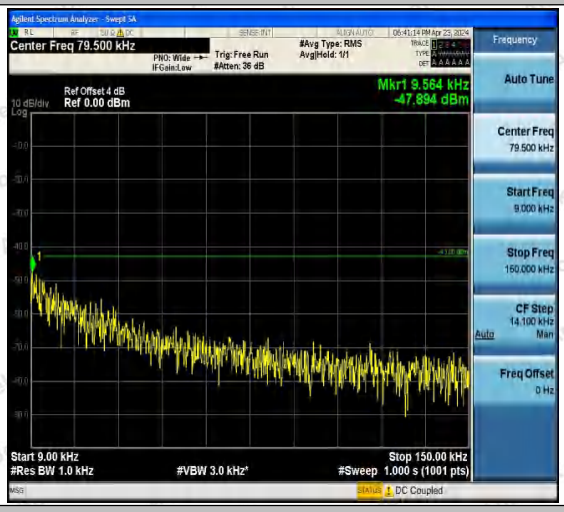


Band4-1413-3-0.15~30MHz-PASS

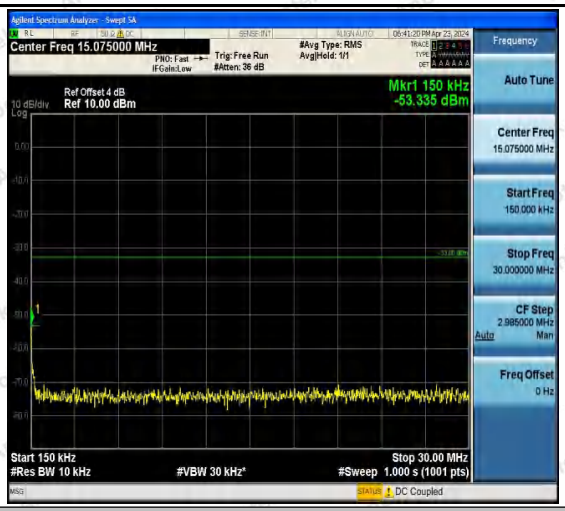
Band4-1413-3-30~1000MHz-PASS



Band4-1413-3-1000~20000MHz-PASS



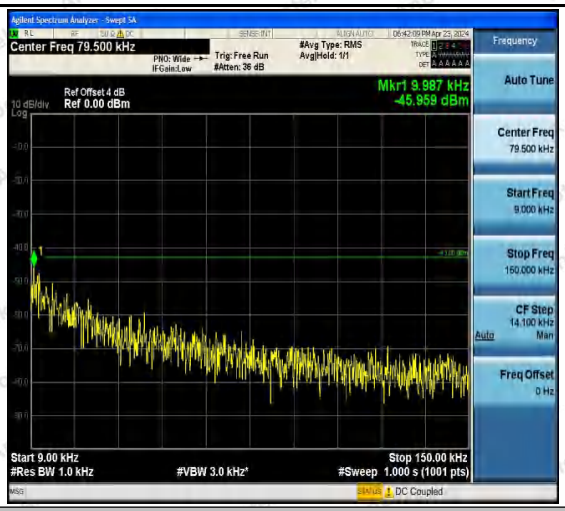
Band4-1513-3-0.009~0.15MHz-PASS



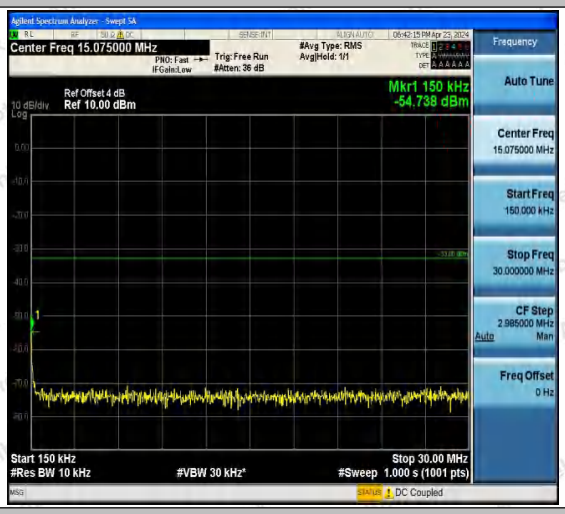
Band4-1513-3-0.15~30MHz-PASS

Band4-1513-3-30~1000MHz-PASS

Band4-1513-3-1000~20000MHz-PASS



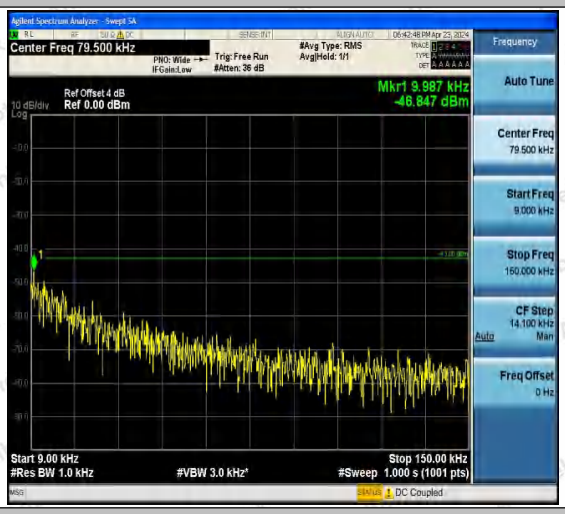
Band4-1312-4-0.009~0.15MHz-PASS



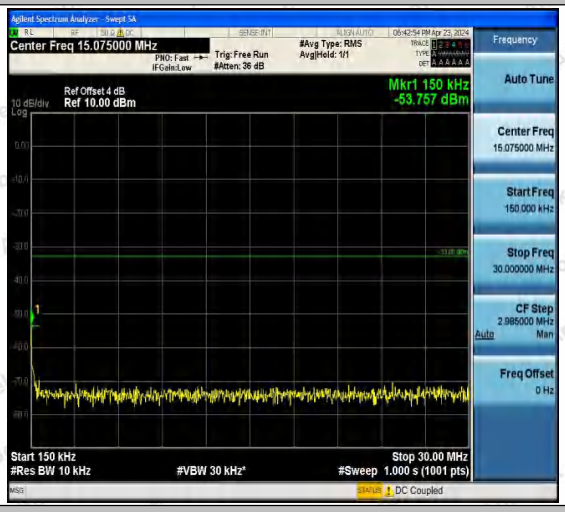
Band4-1312-4-0.15~30MHz-PASS

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

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

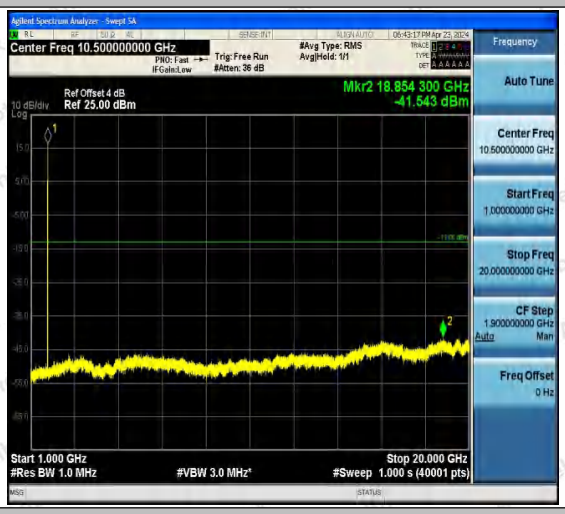


Band4-1413-4-0.009~0.15MHz-PASS

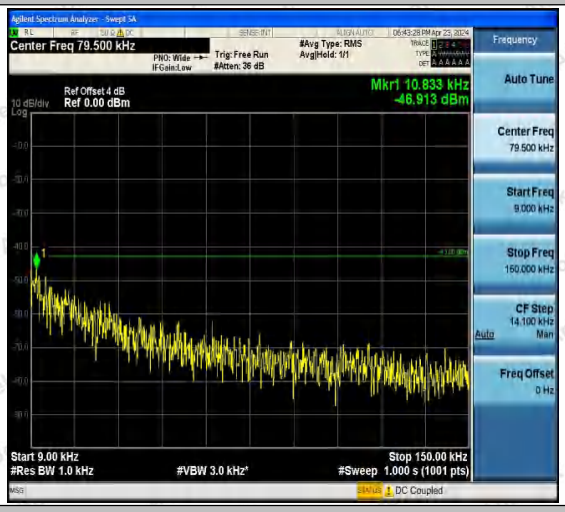


Band4-1413-4-0.15~30MHz-PASS

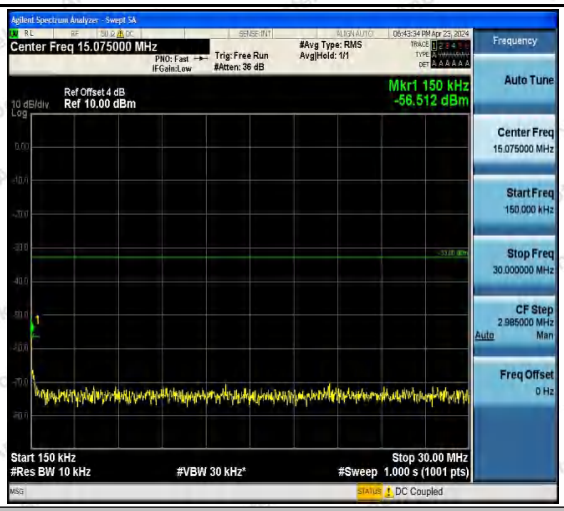
Band4-1413-4-30~1000MHz-PASS



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



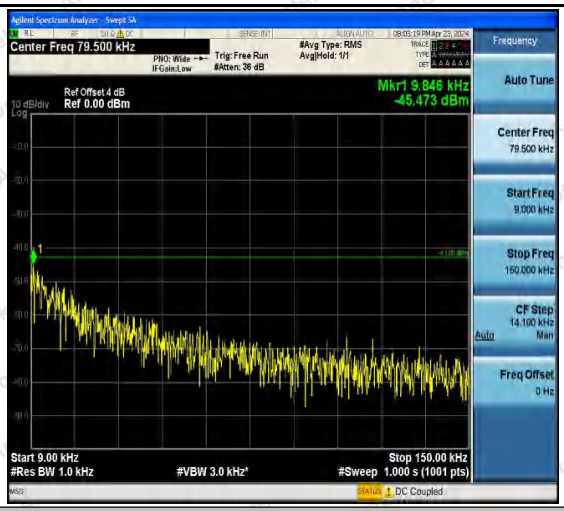
Band4-1513-4-0.009~0.15MHz-PASS



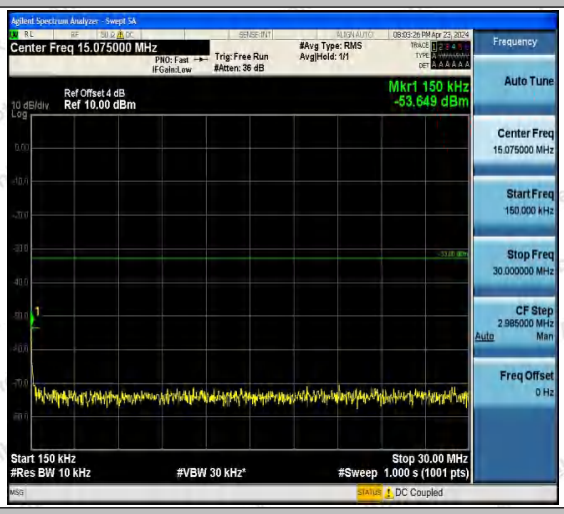
Band4-1513-4-0.15~30MHz-PASS

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

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



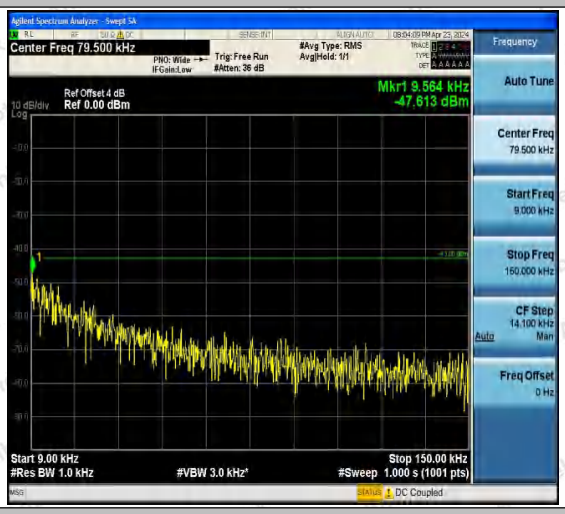
Band4-1312-1-0.009~0.15MHz-PASS



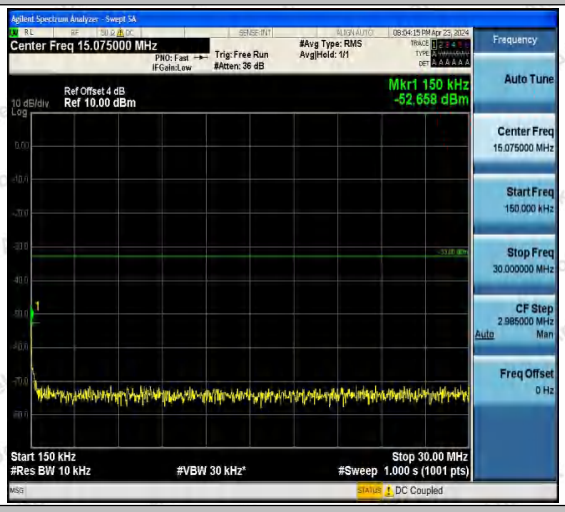
Band4-1312-1-0.15~30MHz-PASS

Band4-1312-1-30~1000MHz-PASS

Band4-1312-1-1000~20000MHz-PASS



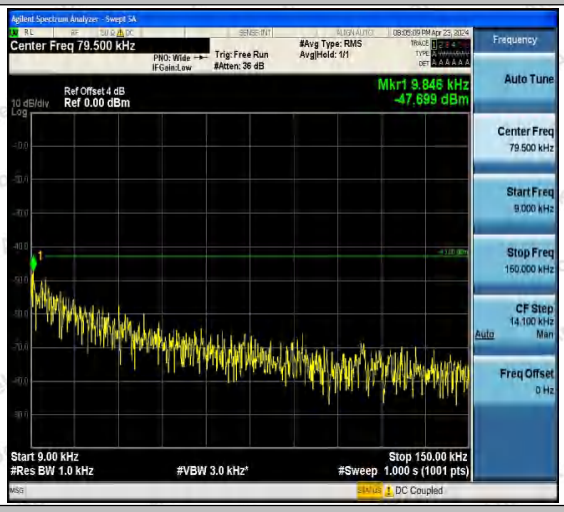
Band4-1413-1-0.009~0.15MHz-PASS



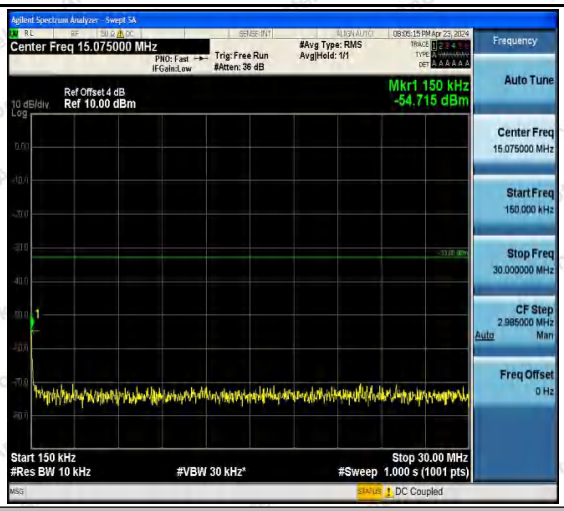
Band4-1413-1-0.15~30MHz-PASS

Band4-1413-1-30~1000MHz-PASS

Band4-1413-1-1000~20000MHz-PASS



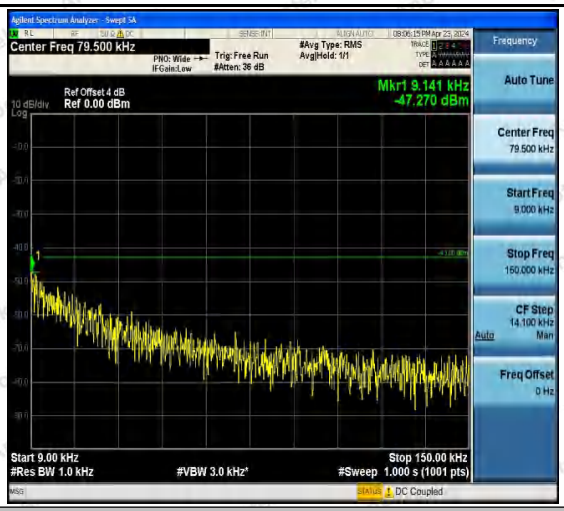
Band4-1513-1-0.009~0.15MHz-PASS



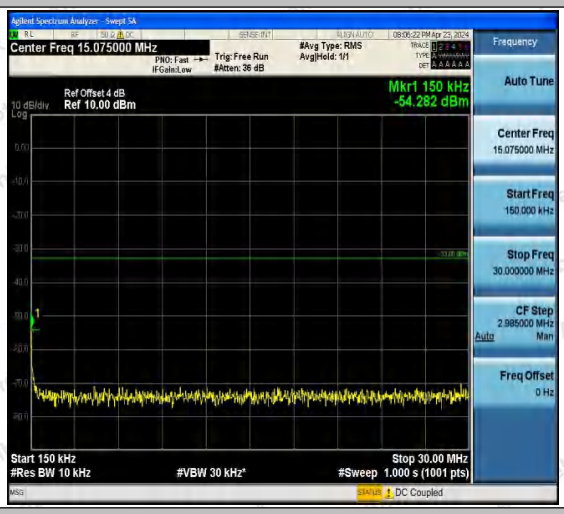
Band4-1513-1-0.15~30MHz-PASS

Band4-1513-1-30~1000MHz-PASS

Band4-1513-1-1000~20000MHz-PASS



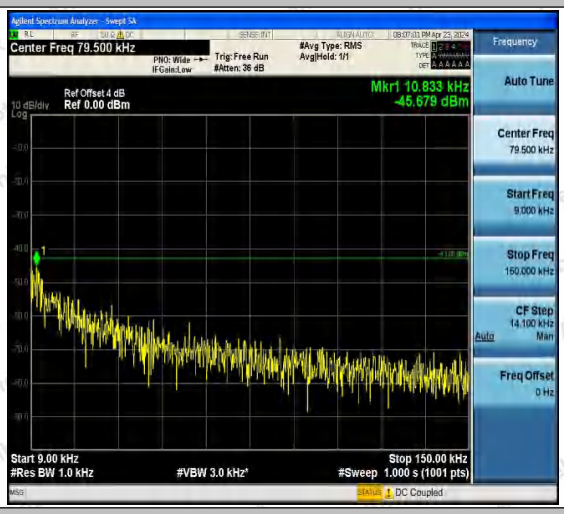
Band4-1312-2-0.009~0.15MHz-PASS



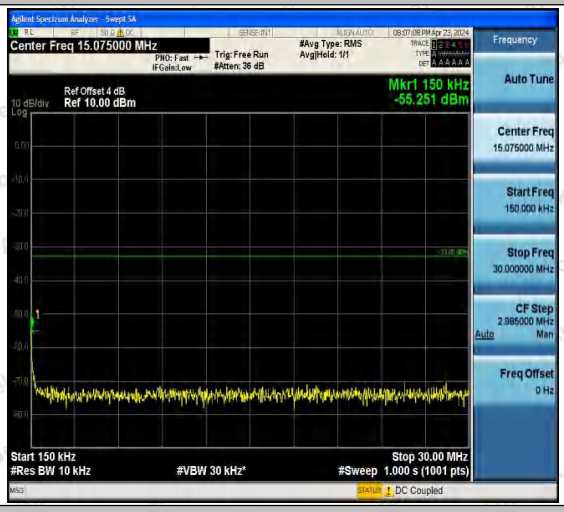
Band4-1312-2-0.15~30MHz-PASS

Band4-1312-2-30~1000MHz-PASS

Band4-1312-2-1000~20000MHz-PASS



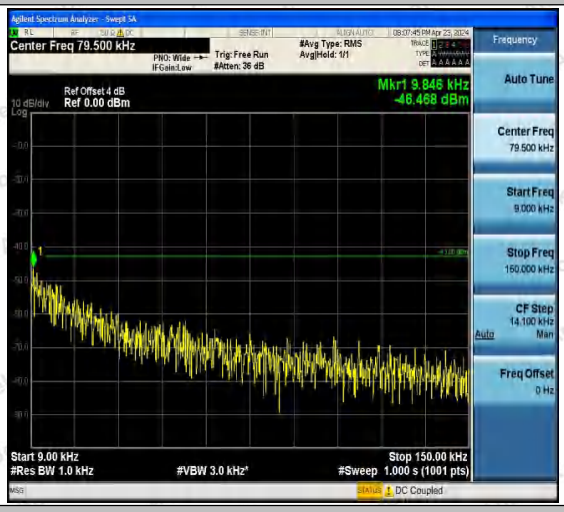
Band4-1413-2-0.009~0.15MHz-PASS



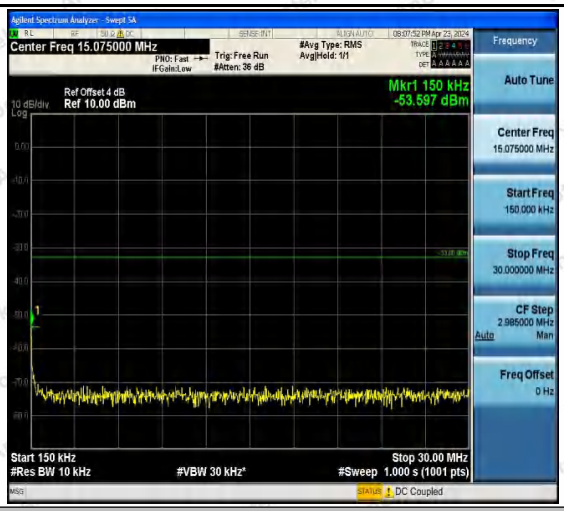
Band4-1413-2-0.15~30MHz-PASS

Band4-1413-2-30~1000MHz-PASS

Band4-1413-2-1000~20000MHz-PASS

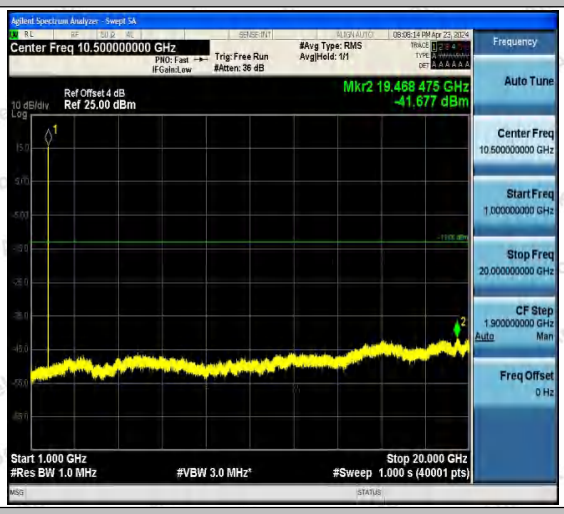


Band4-1513-2-0.009~0.15MHz-PASS

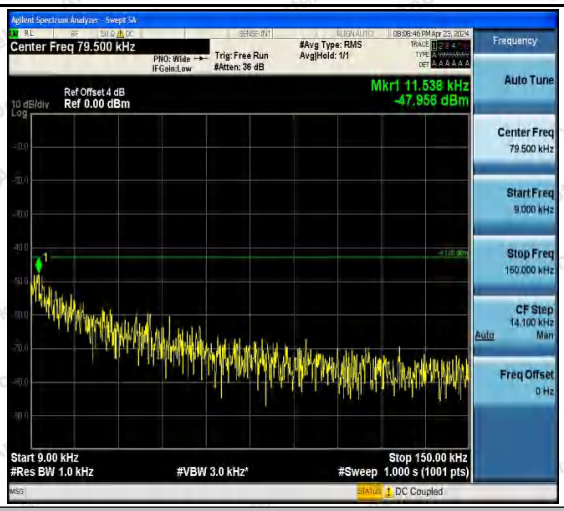


Band4-1513-2-0.15~30MHz-PASS

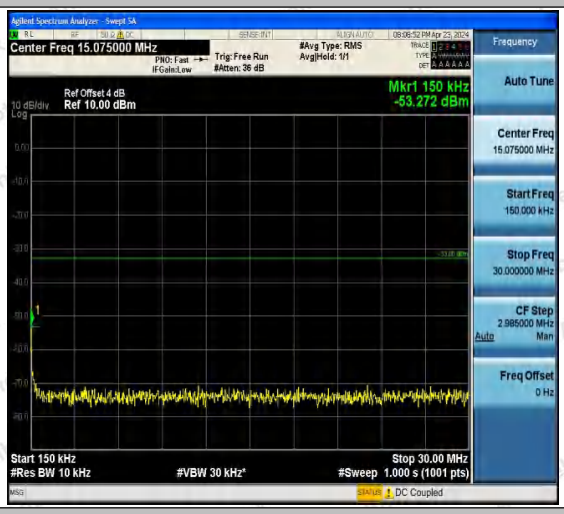
Band4-1513-2-30~1000MHz-PASS



Band4-1513-2-1000~20000MHz-PASS



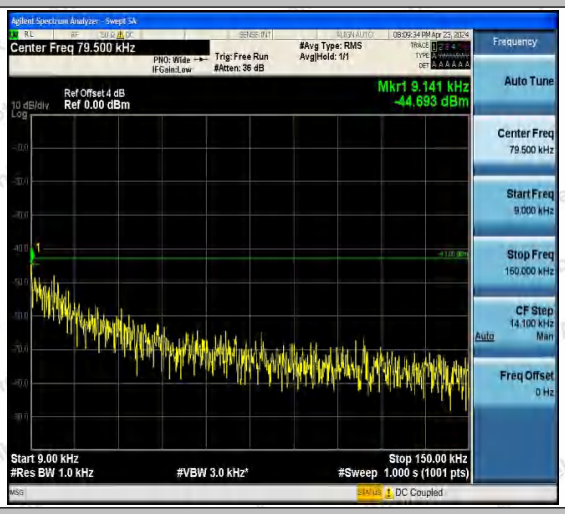
Band4-1312-3-0.009~0.15MHz-PASS



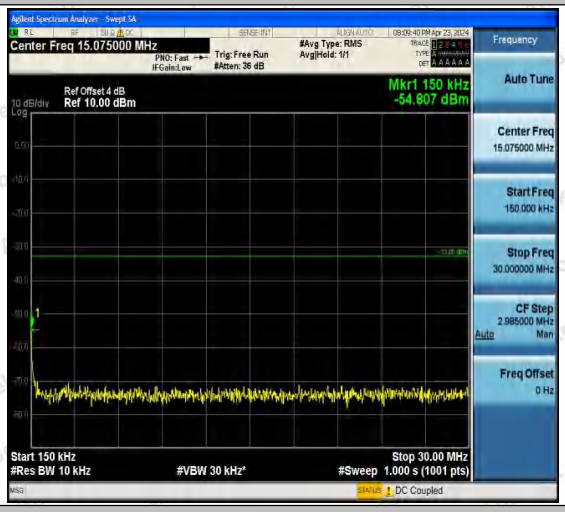
Band4-1312-3-0.15~30MHz-PASS

Band4-1312-3-30~1000MHz-PASS

Band4-1312-3-1000~20000MHz-PASS



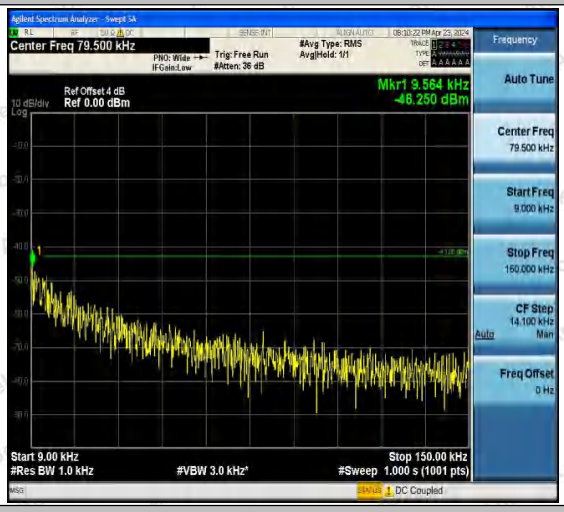
Band4-1413-3-0.009~0.15MHz-PASS



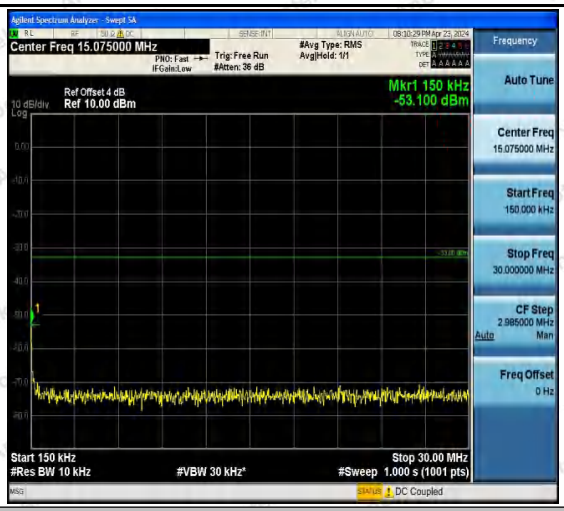
Band4-1413-3-0.15~30MHz-PASS

Band4-1413-3-30~1000MHz-PASS

Band4-1413-3-1000~20000MHz-PASS



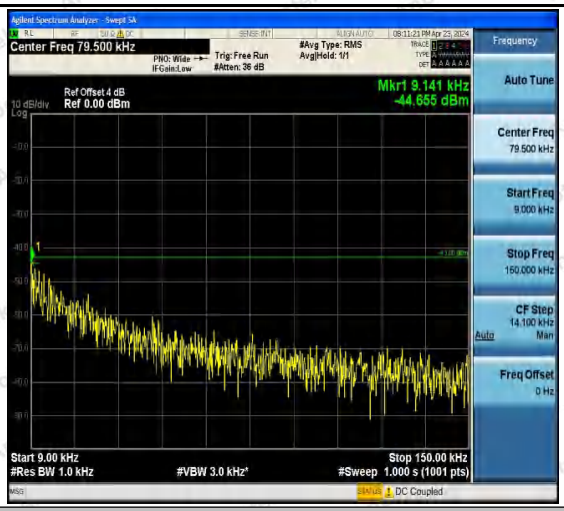
Band4-1513-3-0.009~0.15MHz-PASS



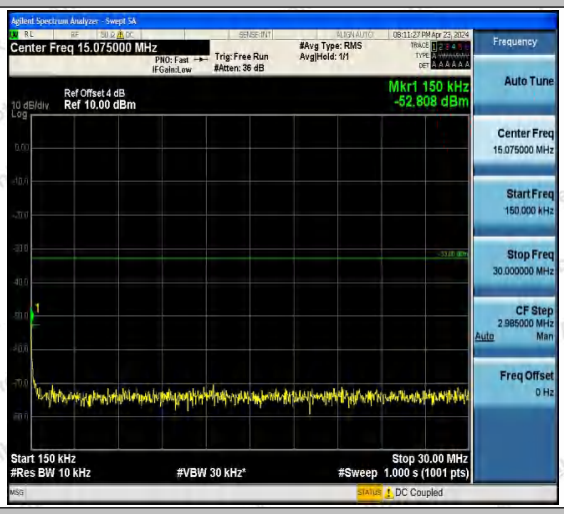
Band4-1513-3-0.15~30MHz-PASS

Band4-1513-3-30~1000MHz-PASS

Band4-1513-3-1000~20000MHz-PASS



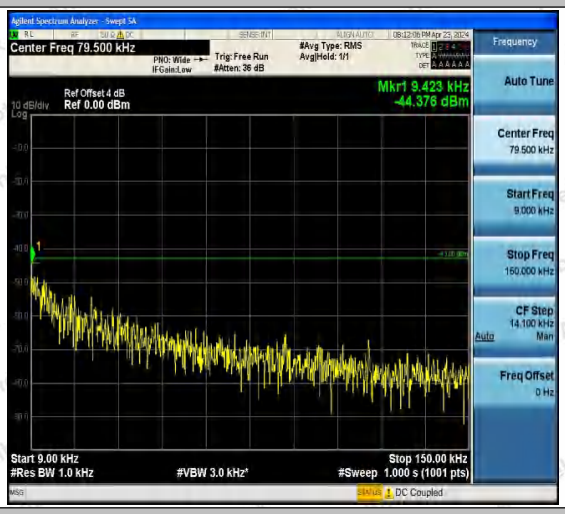
Band4-1312-4-0.009~0.15MHz-PASS



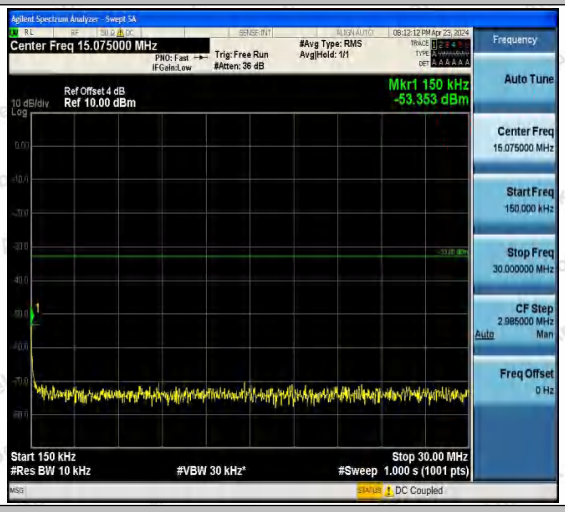
Band4-1312-4-0.15~30MHz-PASS

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

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

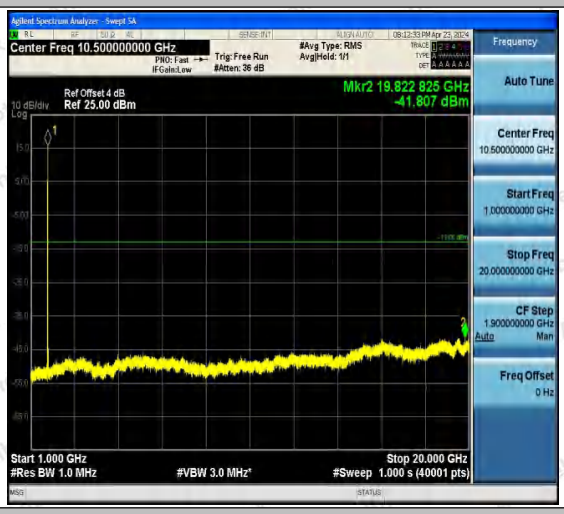


Band4-1413-4-0.009~0.15MHz-PASS

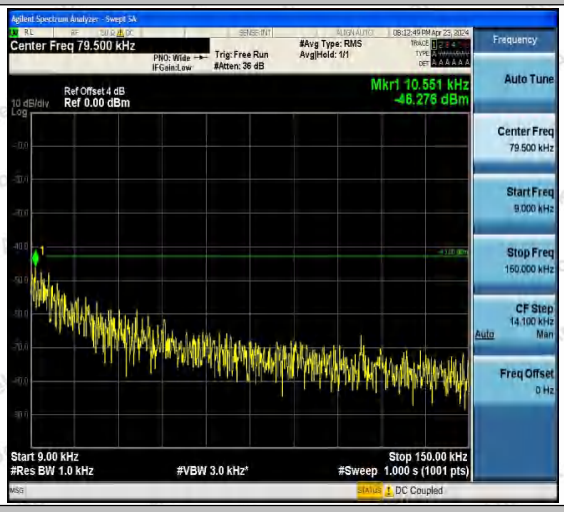


Band4-1413-4-0.15~30MHz-PASS

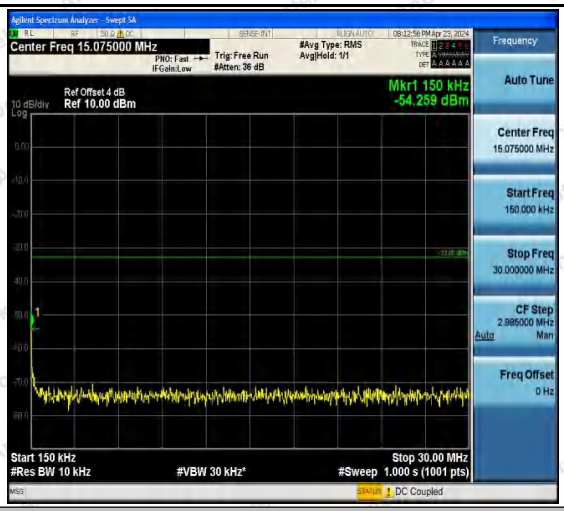
Band4-1413-4-30~1000MHz-PASS



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



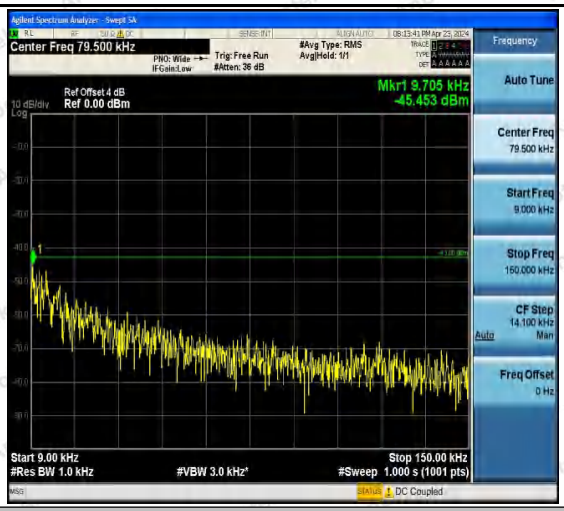
Band4-1513-4-0.009~0.15MHz-PASS



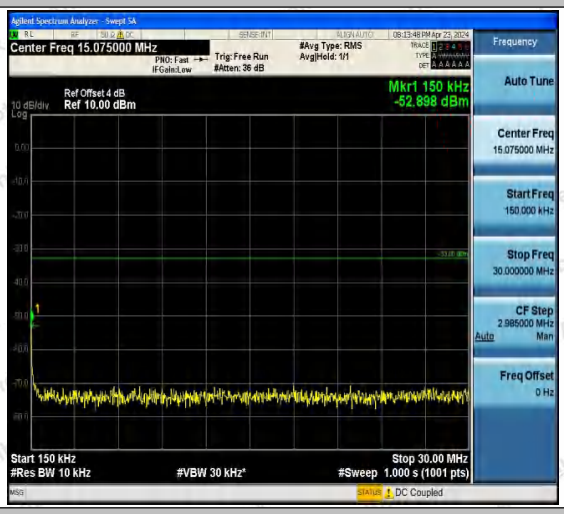
Band4-1513-4-0.15~30MHz-PASS

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

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



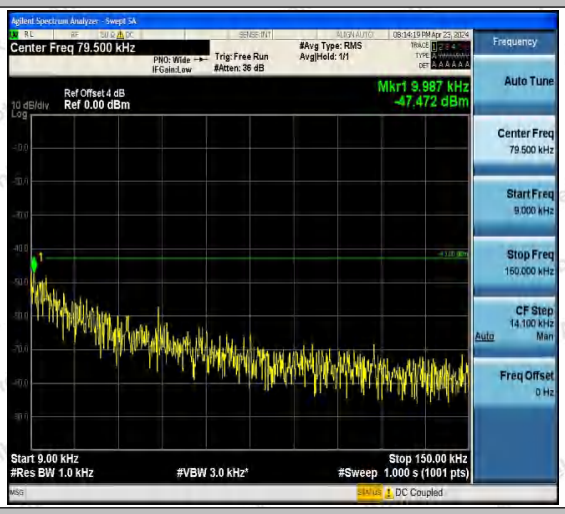
Band4-1312-5-0.009~0.15MHz-PASS



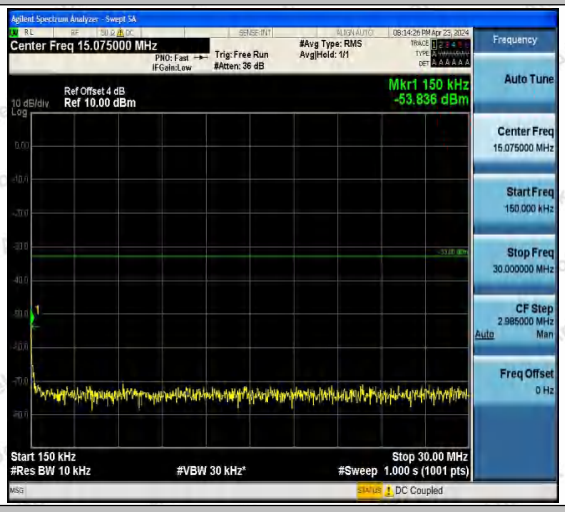
Band4-1312-5-0.15~30MHz-PASS

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

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



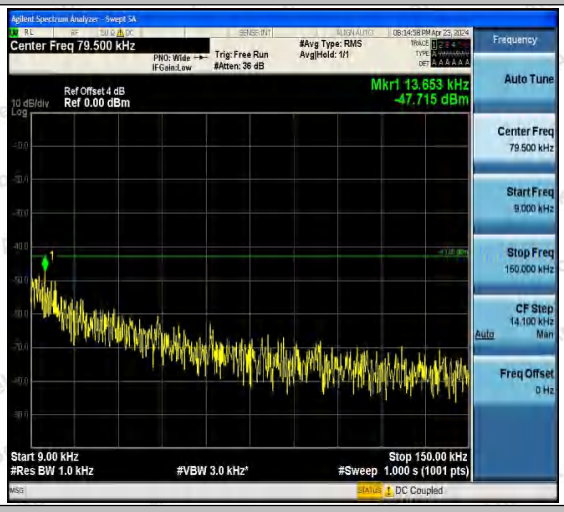
Band4-1413-5-0.009~0.15MHz-PASS



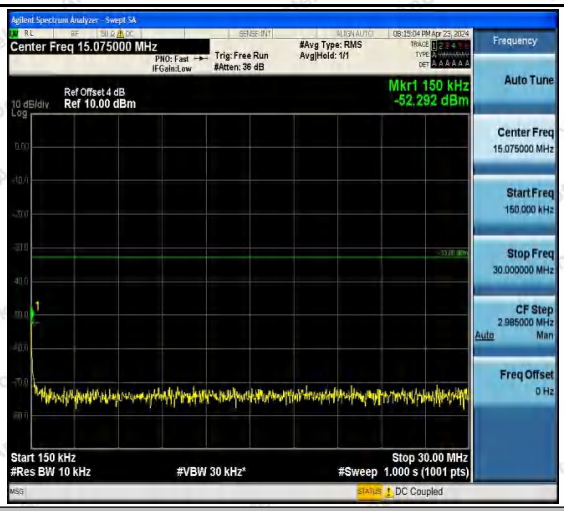
Band4-1413-5-0.15~30MHz-PASS

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

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

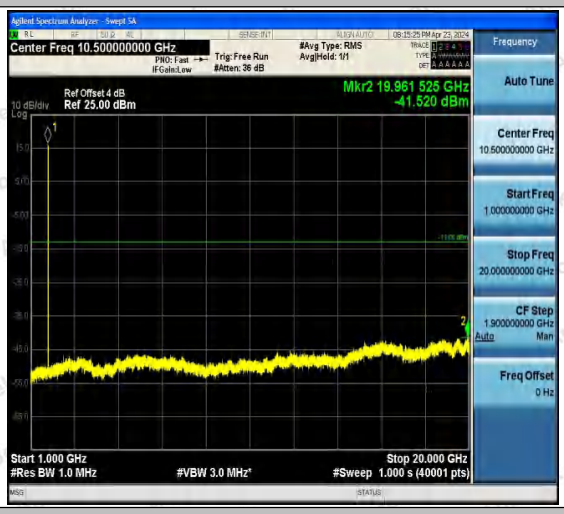


Band4-1513-5-0.009~0.15MHz-PASS



Band4-1513-5-0.15~30MHz-PASS

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



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

AppendixF:Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	VN	NT	28.01	0.016357	±2.5	PASS
Band4	1312	VL	NT	29.58	0.017274	±2.5	PASS
Band4	1312	VH	NT	28.72	0.016772	±2.5	PASS
Band4	1413	VN	NT	1.29	0.000745	±2.5	PASS
Band4	1413	VL	NT	-0.12	-0.000069	±2.5	PASS
Band4	1413	VH	NT	1.56	0.000900	±2.5	PASS
Band4	1513	VN	NT	-22.92	-0.013078	±2.5	PASS
Band4	1513	VL	NT	-21.69	-0.012376	±2.5	PASS
Band4	1513	VH	NT	-21.58	-0.012313	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	NV	-30	28.55	0.016673	±2.5	PASS
Band4	1312	NV	-20	28.00	0.016351	±2.5	PASS
Band4	1312	NV	-10	28.37	0.016567	±2.5	PASS
Band4	1312	NV	0	28.35	0.016556	±2.5	PASS
Band4	1312	NV	10	29.41	0.017175	±2.5	PASS
Band4	1312	NV	20	28.86	0.016854	±2.5	PASS
Band4	1312	NV	30	27.49	0.016053	±2.5	PASS
Band4	1312	NV	40	27.44	0.016024	±2.5	PASS
Band4	1312	NV	50	28.07	0.016392	±2.5	PASS
Band4	1413	NV	-30	-1.16	-0.000670	±2.5	PASS
Band4	1413	NV	-20	0.36	0.000208	±2.5	PASS
Band4	1413	NV	-10	1.25	0.000721	±2.5	PASS
Band4	1413	NV	0	1.08	0.000623	±2.5	PASS
Band4	1413	NV	10	1.05	0.000606	±2.5	PASS
Band4	1413	NV	20	1.02	0.000589	±2.5	PASS
Band4	1413	NV	30	1.67	0.000964	±2.5	PASS
Band4	1413	NV	40	0.36	0.000208	±2.5	PASS
Band4	1413	NV	50	-0.18	-0.000104	±2.5	PASS
Band4	1513	NV	-30	-22.41	-0.012787	±2.5	PASS
Band4	1513	NV	-20	-21.30	-0.012153	±2.5	PASS
Band4	1513	NV	-10	-19.71	-0.011246	±2.5	PASS
Band4	1513	NV	0	-18.68	-0.010658	±2.5	PASS
Band4	1513	NV	10	-21.43	-0.012228	±2.5	PASS

Band4	1513	NV	20	-20.38	-0.011628	±2.5	PASS
Band4	1513	NV	30	-19.87	-0.011337	±2.5	PASS
Band4	1513	NV	40	-19.30	-0.011012	±2.5	PASS
Band4	1513	NV	50	-18.15	-0.010356	±2.5	PASS

Voltage								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	1	VN	NT	-14.81	-0.008649	±2.5	PASS
Band4	1312	1	VL	NT	-15.19	-0.008871	±2.5	PASS
Band4	1312	1	VH	NT	-15.59	-0.009104	±2.5	PASS
Band4	1312	2	VN	NT	-13.87	-0.008100	±2.5	PASS
Band4	1312	2	VL	NT	-13.03	-0.007609	±2.5	PASS
Band4	1312	2	VH	NT	-14.61	-0.008532	±2.5	PASS
Band4	1312	3	VN	NT	-12.55	-0.007329	±2.5	PASS
Band4	1312	3	VL	NT	-12.91	-0.007539	±2.5	PASS
Band4	1312	3	VH	NT	-12.11	-0.007072	±2.5	PASS
Band4	1312	4	VN	NT	-12.92	-0.007545	±2.5	PASS
Band4	1312	4	VL	NT	-12.55	-0.007329	±2.5	PASS
Band4	1312	4	VH	NT	-11.88	-0.006938	±2.5	PASS
Band4	1413	1	VN	NT	-11.50	-0.006637	±2.5	PASS
Band4	1413	1	VL	NT	-10.90	-0.006291	±2.5	PASS
Band4	1413	1	VH	NT	-13.01	-0.007509	±2.5	PASS
Band4	1413	2	VN	NT	-10.39	-0.005997	±2.5	PASS
Band4	1413	2	VL	NT	-11.54	-0.006661	±2.5	PASS
Band4	1413	2	VH	NT	-11.51	-0.006643	±2.5	PASS
Band4	1413	3	VN	NT	-10.69	-0.006170	±2.5	PASS
Band4	1413	3	VL	NT	-11.36	-0.006557	±2.5	PASS
Band4	1413	3	VH	NT	-10.52	-0.006072	±2.5	PASS
Band4	1413	4	VN	NT	-11.39	-0.006574	±2.5	PASS
Band4	1413	4	VL	NT	-11.58	-0.006684	±2.5	PASS
Band4	1413	4	VH	NT	-8.94	-0.005160	±2.5	PASS
Band4	1513	1	VN	NT	-10.21	-0.005826	±2.5	PASS
Band4	1513	1	VL	NT	-10.99	-0.006271	±2.5	PASS
Band4	1513	1	VH	NT	-9.19	-0.005244	±2.5	PASS
Band4	1513	2	VN	NT	-8.96	-0.005112	±2.5	PASS
Band4	1513	2	VL	NT	-9.13	-0.005209	±2.5	PASS
Band4	1513	2	VH	NT	-9.26	-0.005284	±2.5	PASS
Band4	1513	3	VN	NT	-9.49	-0.005415	±2.5	PASS
Band4	1513	3	VL	NT	-8.66	-0.004941	±2.5	PASS
Band4	1513	3	VH	NT	-9.71	-0.005540	±2.5	PASS
Band4	1513	4	VN	NT	-8.11	-0.004627	±2.5	PASS
Band4	1513	4	VL	NT	-7.87	-0.004490	±2.5	PASS
Band4	1513	4	VH	NT	-9.41	-0.005369	±2.5	PASS

Temperature								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	1	NV	-30	-15.46	-0.009028	±2.5	PASS
Band4	1312	1	NV	-20	-15.04	-0.008783	±2.5	PASS
Band4	1312	1	NV	-10	-15.05	-0.008789	±2.5	PASS
Band4	1312	1	NV	0	-14.56	-0.008503	±2.5	PASS
Band4	1312	1	NV	10	-13.94	-0.008141	±2.5	PASS
Band4	1312	1	NV	20	-14.45	-0.008438	±2.5	PASS
Band4	1312	1	NV	30	-13.43	-0.007843	±2.5	PASS
Band4	1312	1	NV	40	-16.06	-0.009379	±2.5	PASS
Band4	1312	1	NV	50	-15.38	-0.008982	±2.5	PASS
Band4	1312	2	NV	-30	-12.74	-0.007440	±2.5	PASS
Band4	1312	2	NV	-20	-14.26	-0.008327	±2.5	PASS
Band4	1312	2	NV	-10	-12.65	-0.007387	±2.5	PASS
Band4	1312	2	NV	0	-14.10	-0.008234	±2.5	PASS
Band4	1312	2	NV	10	-13.60	-0.007942	±2.5	PASS
Band4	1312	2	NV	20	-13.65	-0.007971	±2.5	PASS
Band4	1312	2	NV	30	-14.03	-0.008193	±2.5	PASS
Band4	1312	2	NV	40	-13.39	-0.007819	±2.5	PASS
Band4	1312	2	NV	50	-11.45	-0.006687	±2.5	PASS
Band4	1312	3	NV	-30	-13.10	-0.007650	±2.5	PASS
Band4	1312	3	NV	-20	-12.42	-0.007253	±2.5	PASS
Band4	1312	3	NV	-10	-13.84	-0.008082	±2.5	PASS
Band4	1312	3	NV	0	-11.79	-0.006885	±2.5	PASS
Band4	1312	3	NV	10	-11.69	-0.006827	±2.5	PASS
Band4	1312	3	NV	20	-12.87	-0.007516	±2.5	PASS
Band4	1312	3	NV	30	-11.84	-0.006914	±2.5	PASS
Band4	1312	3	NV	40	-12.70	-0.007416	±2.5	PASS
Band4	1312	3	NV	50	-13.33	-0.007784	±2.5	PASS
Band4	1312	4	NV	-30	-10.86	-0.006342	±2.5	PASS
Band4	1312	4	NV	-20	-11.79	-0.006885	±2.5	PASS
Band4	1312	4	NV	-10	-12.23	-0.007142	±2.5	PASS
Band4	1312	4	NV	0	-12.47	-0.007282	±2.5	PASS
Band4	1312	4	NV	10	-13.36	-0.007802	±2.5	PASS
Band4	1312	4	NV	20	-11.74	-0.006856	±2.5	PASS
Band4	1312	4	NV	30	-11.67	-0.006815	±2.5	PASS
Band4	1312	4	NV	40	-11.70	-0.006833	±2.5	PASS
Band4	1312	4	NV	50	-12.31	-0.007189	±2.5	PASS
Band4	1413	1	NV	-30	-10.03	-0.005789	±2.5	PASS
Band4	1413	1	NV	-20	-10.11	-0.005835	±2.5	PASS

Band4	1413	1	NV	-10	-12.02	-0.006938	±2.5	PASS
Band4	1413	1	NV	0	-10.71	-0.006181	±2.5	PASS
Band4	1413	1	NV	10	-11.34	-0.006545	±2.5	PASS
Band4	1413	1	NV	20	-10.24	-0.005910	±2.5	PASS
Band4	1413	1	NV	30	-11.78	-0.006799	±2.5	PASS
Band4	1413	1	NV	40	-10.62	-0.006130	±2.5	PASS
Band4	1413	1	NV	50	-12.40	-0.007157	±2.5	PASS
Band4	1413	2	NV	-30	-11.59	-0.006689	±2.5	PASS
Band4	1413	2	NV	-20	-11.59	-0.006689	±2.5	PASS
Band4	1413	2	NV	-10	-10.46	-0.006037	±2.5	PASS
Band4	1413	2	NV	0	-10.60	-0.006118	±2.5	PASS
Band4	1413	2	NV	10	-11.33	-0.006539	±2.5	PASS
Band4	1413	2	NV	20	-10.53	-0.006078	±2.5	PASS
Band4	1413	2	NV	30	-10.46	-0.006037	±2.5	PASS
Band4	1413	2	NV	40	-11.15	-0.006435	±2.5	PASS
Band4	1413	2	NV	50	-9.30	-0.005368	±2.5	PASS
Band4	1413	3	NV	-30	-12.37	-0.007140	±2.5	PASS
Band4	1413	3	NV	-20	-10.47	-0.006043	±2.5	PASS
Band4	1413	3	NV	-10	-10.39	-0.005997	±2.5	PASS
Band4	1413	3	NV	0	-9.41	-0.005431	±2.5	PASS
Band4	1413	3	NV	10	-12.37	-0.007140	±2.5	PASS
Band4	1413	3	NV	20	-10.84	-0.006256	±2.5	PASS
Band4	1413	3	NV	30	-10.22	-0.005899	±2.5	PASS
Band4	1413	3	NV	40	-11.54	-0.006661	±2.5	PASS
Band4	1413	3	NV	50	-12.08	-0.006972	±2.5	PASS
Band4	1413	4	NV	-30	-11.09	-0.006401	±2.5	PASS
Band4	1413	4	NV	-20	-10.87	-0.006274	±2.5	PASS
Band4	1413	4	NV	-10	-10.54	-0.006083	±2.5	PASS
Band4	1413	4	NV	0	-10.92	-0.006303	±2.5	PASS
Band4	1413	4	NV	10	-11.52	-0.006649	±2.5	PASS
Band4	1413	4	NV	20	-9.48	-0.005472	±2.5	PASS
Band4	1413	4	NV	30	-10.33	-0.005962	±2.5	PASS
Band4	1413	4	NV	40	-7.68	-0.004433	±2.5	PASS
Band4	1413	4	NV	50	-10.73	-0.006193	±2.5	PASS
Band4	1513	1	NV	-30	-10.19	-0.005814	±2.5	PASS
Band4	1513	1	NV	-20	-10.88	-0.006208	±2.5	PASS
Band4	1513	1	NV	-10	-10.03	-0.005723	±2.5	PASS
Band4	1513	1	NV	0	-10.46	-0.005968	±2.5	PASS
Band4	1513	1	NV	10	-9.24	-0.005272	±2.5	PASS
Band4	1513	1	NV	20	-8.88	-0.005067	±2.5	PASS
Band4	1513	1	NV	30	-9.78	-0.005580	±2.5	PASS

Band4	1513	1	NV	40	-9.15	-0.005221	±2.5	PASS
Band4	1513	1	NV	50	-10.38	-0.005923	±2.5	PASS
Band4	1513	2	NV	-30	-7.70	-0.004393	±2.5	PASS
Band4	1513	2	NV	-20	-9.16	-0.005227	±2.5	PASS
Band4	1513	2	NV	-10	-7.95	-0.004536	±2.5	PASS
Band4	1513	2	NV	0	-9.98	-0.005694	±2.5	PASS
Band4	1513	2	NV	10	-9.01	-0.005141	±2.5	PASS
Band4	1513	2	NV	20	-9.70	-0.005535	±2.5	PASS
Band4	1513	2	NV	30	-9.36	-0.005341	±2.5	PASS
Band4	1513	2	NV	40	-10.06	-0.005740	±2.5	PASS
Band4	1513	2	NV	50	-9.16	-0.005227	±2.5	PASS
Band4	1513	3	NV	-30	-7.62	-0.004348	±2.5	PASS
Band4	1513	3	NV	-20	-9.89	-0.005643	±2.5	PASS
Band4	1513	3	NV	-10	-8.90	-0.005078	±2.5	PASS
Band4	1513	3	NV	0	-9.76	-0.005569	±2.5	PASS
Band4	1513	3	NV	10	-8.82	-0.005033	±2.5	PASS
Band4	1513	3	NV	20	-8.35	-0.004764	±2.5	PASS
Band4	1513	3	NV	30	-8.28	-0.004724	±2.5	PASS
Band4	1513	3	NV	40	-8.58	-0.004896	±2.5	PASS
Band4	1513	3	NV	50	-7.74	-0.004416	±2.5	PASS
Band4	1513	4	NV	-30	-8.52	-0.004861	±2.5	PASS
Band4	1513	4	NV	-20	-7.83	-0.004468	±2.5	PASS
Band4	1513	4	NV	-10	-10.38	-0.005923	±2.5	PASS
Band4	1513	4	NV	0	-8.48	-0.004839	±2.5	PASS
Band4	1513	4	NV	10	-8.76	-0.004998	±2.5	PASS
Band4	1513	4	NV	20	-7.90	-0.004508	±2.5	PASS
Band4	1513	4	NV	30	-9.97	-0.005689	±2.5	PASS
Band4	1513	4	NV	40	-8.80	-0.005021	±2.5	PASS
Band4	1513	4	NV	50	-7.51	-0.004285	±2.5	PASS

Voltage								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	1	VN	NT	29.28	0.017099	±2.5	PASS
Band4	1312	1	VL	NT	28.42	0.016597	±2.5	PASS
Band4	1312	1	VH	NT	27.61	0.016124	±2.5	PASS
Band4	1312	2	VN	NT	21.50	0.012555	±2.5	PASS
Band4	1312	2	VL	NT	20.94	0.012228	±2.5	PASS
Band4	1312	2	VH	NT	20.30	0.011855	±2.5	PASS
Band4	1312	3	VN	NT	16.47	0.009618	±2.5	PASS
Band4	1312	3	VL	NT	16.50	0.009636	±2.5	PASS
Band4	1312	3	VH	NT	16.02	0.009355	±2.5	PASS
Band4	1312	4	VN	NT	14.73	0.008602	±2.5	PASS
Band4	1312	4	VL	NT	14.51	0.008473	±2.5	PASS
Band4	1312	4	VH	NT	14.41	0.008415	±2.5	PASS
Band4	1312	5	VN	NT	11.44	0.006681	±2.5	PASS
Band4	1312	5	VL	NT	12.17	0.007107	±2.5	PASS
Band4	1312	5	VH	NT	11.42	0.006669	±2.5	PASS
Band4	1413	1	VN	NT	12.15	0.007013	±2.5	PASS
Band4	1413	1	VL	NT	13.77	0.007948	±2.5	PASS
Band4	1413	1	VH	NT	14.35	0.008282	±2.5	PASS
Band4	1413	2	VN	NT	12.65	0.007301	±2.5	PASS
Band4	1413	2	VL	NT	13.85	0.007994	±2.5	PASS
Band4	1413	2	VH	NT	14.79	0.008536	±2.5	PASS
Band4	1413	3	VN	NT	10.81	0.006239	±2.5	PASS
Band4	1413	3	VL	NT	15.41	0.008894	±2.5	PASS
Band4	1413	3	VH	NT	14.33	0.008271	±2.5	PASS
Band4	1413	4	VN	NT	13.51	0.007798	±2.5	PASS
Band4	1413	4	VL	NT	13.76	0.007942	±2.5	PASS
Band4	1413	4	VH	NT	13.11	0.007567	±2.5	PASS
Band4	1413	5	VN	NT	13.28	0.007665	±2.5	PASS
Band4	1413	5	VL	NT	12.87	0.007428	±2.5	PASS
Band4	1413	5	VH	NT	13.45	0.007763	±2.5	PASS
Band4	1513	1	VN	NT	13.65	0.007788	±2.5	PASS
Band4	1513	1	VL	NT	13.51	0.007709	±2.5	PASS
Band4	1513	1	VH	NT	14.03	0.008005	±2.5	PASS
Band4	1513	2	VN	NT	13.50	0.007703	±2.5	PASS
Band4	1513	2	VL	NT	14.68	0.008376	±2.5	PASS
Band4	1513	2	VH	NT	13.50	0.007703	±2.5	PASS
Band4	1513	3	VN	NT	14.53	0.008291	±2.5	PASS

Band4	1513	3	VL	NT	14.00	0.007988	±2.5	PASS
Band4	1513	3	VH	NT	15.05	0.008587	±2.5	PASS
Band4	1513	4	VN	NT	14.65	0.008359	±2.5	PASS
Band4	1513	4	VL	NT	14.08	0.008034	±2.5	PASS
Band4	1513	4	VH	NT	14.48	0.008262	±2.5	PASS
Band4	1513	5	VN	NT	15.34	0.008753	±2.5	PASS
Band4	1513	5	VL	NT	16.04	0.009152	±2.5	PASS
Band4	1513	5	VH	NT	12.53	0.007149	±2.5	PASS

Temperature								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	1	NV	-30	27.07	0.015808	±2.5	PASS
Band4	1312	1	NV	-20	26.17	0.015283	±2.5	PASS
Band4	1312	1	NV	-10	25.65	0.014979	±2.5	PASS
Band4	1312	1	NV	0	25.19	0.014710	±2.5	PASS
Band4	1312	1	NV	10	24.60	0.014366	±2.5	PASS
Band4	1312	1	NV	20	24.00	0.014015	±2.5	PASS
Band4	1312	1	NV	30	23.16	0.013525	±2.5	PASS
Band4	1312	1	NV	40	22.51	0.013145	±2.5	PASS
Band4	1312	1	NV	50	22.27	0.013005	±2.5	PASS
Band4	1312	2	NV	-30	19.85	0.011592	±2.5	PASS
Band4	1312	2	NV	-20	19.28	0.011259	±2.5	PASS
Band4	1312	2	NV	-10	18.42	0.010757	±2.5	PASS
Band4	1312	2	NV	0	18.13	0.010587	±2.5	PASS
Band4	1312	2	NV	10	17.92	0.010465	±2.5	PASS
Band4	1312	2	NV	20	17.51	0.010225	±2.5	PASS
Band4	1312	2	NV	30	17.38	0.010149	±2.5	PASS
Band4	1312	2	NV	40	16.54	0.009659	±2.5	PASS
Band4	1312	2	NV	50	16.53	0.009653	±2.5	PASS
Band4	1312	3	NV	-30	15.96	0.009320	±2.5	PASS
Band4	1312	3	NV	-20	15.89	0.009279	±2.5	PASS
Band4	1312	3	NV	-10	15.44	0.009017	±2.5	PASS
Band4	1312	3	NV	0	14.91	0.008707	±2.5	PASS
Band4	1312	3	NV	10	15.00	0.008760	±2.5	PASS
Band4	1312	3	NV	20	14.80	0.008643	±2.5	PASS
Band4	1312	3	NV	30	14.43	0.008427	±2.5	PASS
Band4	1312	3	NV	40	13.81	0.008065	±2.5	PASS
Band4	1312	3	NV	50	13.80	0.008059	±2.5	PASS
Band4	1312	4	NV	-30	14.25	0.008322	±2.5	PASS

Band4	1312	4	NV	-20	14.34	0.008374	±2.5	PASS
Band4	1312	4	NV	-10	13.30	0.007767	±2.5	PASS
Band4	1312	4	NV	0	13.36	0.007802	±2.5	PASS
Band4	1312	4	NV	10	13.53	0.007901	±2.5	PASS
Band4	1312	4	NV	20	13.28	0.007755	±2.5	PASS
Band4	1312	4	NV	30	13.32	0.007779	±2.5	PASS
Band4	1312	4	NV	40	13.42	0.007837	±2.5	PASS
Band4	1312	4	NV	50	12.95	0.007562	±2.5	PASS
Band4	1312	5	NV	-30	12.52	0.007311	±2.5	PASS
Band4	1312	5	NV	-20	13.56	0.007919	±2.5	PASS
Band4	1312	5	NV	-10	13.73	0.008018	±2.5	PASS
Band4	1312	5	NV	0	14.12	0.008246	±2.5	PASS
Band4	1312	5	NV	10	12.97	0.007574	±2.5	PASS
Band4	1312	5	NV	20	13.00	0.007592	±2.5	PASS
Band4	1312	5	NV	30	13.26	0.007744	±2.5	PASS
Band4	1312	5	NV	40	13.35	0.007796	±2.5	PASS
Band4	1312	5	NV	50	13.27	0.007749	±2.5	PASS
Band4	1413	1	NV	-30	13.57	0.007832	±2.5	PASS
Band4	1413	1	NV	-20	12.75	0.007359	±2.5	PASS
Band4	1413	1	NV	-10	12.16	0.007018	±2.5	PASS
Band4	1413	1	NV	0	13.91	0.008028	±2.5	PASS
Band4	1413	1	NV	10	13.56	0.007826	±2.5	PASS
Band4	1413	1	NV	20	12.62	0.007284	±2.5	PASS
Band4	1413	1	NV	30	14.11	0.008144	±2.5	PASS
Band4	1413	1	NV	40	12.88	0.007434	±2.5	PASS
Band4	1413	1	NV	50	12.07	0.006966	±2.5	PASS
Band4	1413	2	NV	-30	13.85	0.007994	±2.5	PASS
Band4	1413	2	NV	-20	13.20	0.007619	±2.5	PASS
Band4	1413	2	NV	-10	15.07	0.008698	±2.5	PASS
Band4	1413	2	NV	0	13.37	0.007717	±2.5	PASS
Band4	1413	2	NV	10	15.16	0.008750	±2.5	PASS
Band4	1413	2	NV	20	14.39	0.008305	±2.5	PASS
Band4	1413	2	NV	30	15.12	0.008727	±2.5	PASS
Band4	1413	2	NV	40	12.56	0.007249	±2.5	PASS
Band4	1413	2	NV	50	12.67	0.007313	±2.5	PASS
Band4	1413	3	NV	-30	14.93	0.008617	±2.5	PASS
Band4	1413	3	NV	-20	14.73	0.008502	±2.5	PASS
Band4	1413	3	NV	-10	14.83	0.008559	±2.5	PASS
Band4	1413	3	NV	0	12.94	0.007469	±2.5	PASS
Band4	1413	3	NV	10	15.67	0.009044	±2.5	PASS
Band4	1413	3	NV	20	13.91	0.008028	±2.5	PASS

Band4	1413	3	NV	30	14.25	0.008225	±2.5	PASS
Band4	1413	3	NV	40	13.83	0.007982	±2.5	PASS
Band4	1413	3	NV	50	14.18	0.008184	±2.5	PASS
Band4	1413	4	NV	-30	15.19	0.008767	±2.5	PASS
Band4	1413	4	NV	-20	14.90	0.008600	±2.5	PASS
Band4	1413	4	NV	-10	16.11	0.009298	±2.5	PASS
Band4	1413	4	NV	0	14.03	0.008098	±2.5	PASS
Band4	1413	4	NV	10	14.95	0.008629	±2.5	PASS
Band4	1413	4	NV	20	16.29	0.009402	±2.5	PASS
Band4	1413	4	NV	30	14.53	0.008386	±2.5	PASS
Band4	1413	4	NV	40	13.55	0.007821	±2.5	PASS
Band4	1413	4	NV	50	14.91	0.008606	±2.5	PASS
Band4	1413	5	NV	-30	13.76	0.007942	±2.5	PASS
Band4	1413	5	NV	-20	12.45	0.007186	±2.5	PASS
Band4	1413	5	NV	-10	14.82	0.008554	±2.5	PASS
Band4	1413	5	NV	0	13.68	0.007896	±2.5	PASS
Band4	1413	5	NV	10	12.72	0.007342	±2.5	PASS
Band4	1413	5	NV	20	14.10	0.008138	±2.5	PASS
Band4	1413	5	NV	30	13.61	0.007855	±2.5	PASS
Band4	1413	5	NV	40	13.82	0.007976	±2.5	PASS
Band4	1413	5	NV	50	13.94	0.008046	±2.5	PASS
Band4	1513	1	NV	-30	13.58	0.007748	±2.5	PASS
Band4	1513	1	NV	-20	15.27	0.008713	±2.5	PASS
Band4	1513	1	NV	-10	14.60	0.008330	±2.5	PASS
Band4	1513	1	NV	0	15.36	0.008764	±2.5	PASS
Band4	1513	1	NV	10	14.60	0.008330	±2.5	PASS
Band4	1513	1	NV	20	13.44	0.007669	±2.5	PASS
Band4	1513	1	NV	30	15.62	0.008912	±2.5	PASS
Band4	1513	1	NV	40	15.29	0.008724	±2.5	PASS
Band4	1513	1	NV	50	14.19	0.008097	±2.5	PASS
Band4	1513	2	NV	-30	15.28	0.008718	±2.5	PASS
Band4	1513	2	NV	-20	13.68	0.007806	±2.5	PASS
Band4	1513	2	NV	-10	14.88	0.008490	±2.5	PASS
Band4	1513	2	NV	0	15.78	0.009004	±2.5	PASS
Band4	1513	2	NV	10	14.31	0.008165	±2.5	PASS
Band4	1513	2	NV	20	14.00	0.007988	±2.5	PASS
Band4	1513	2	NV	30	14.24	0.008125	±2.5	PASS
Band4	1513	2	NV	40	12.39	0.007069	±2.5	PASS
Band4	1513	2	NV	50	12.52	0.007144	±2.5	PASS
Band4	1513	3	NV	-30	14.82	0.008456	±2.5	PASS
Band4	1513	3	NV	-20	12.97	0.007400	±2.5	PASS

Band4	1513	3	NV	-10	11.94	0.006813	±2.5	PASS
Band4	1513	3	NV	0	12.29	0.007012	±2.5	PASS
Band4	1513	3	NV	10	13.50	0.007703	±2.5	PASS
Band4	1513	3	NV	20	14.96	0.008536	±2.5	PASS
Band4	1513	3	NV	30	12.30	0.007018	±2.5	PASS
Band4	1513	3	NV	40	12.14	0.006927	±2.5	PASS
Band4	1513	3	NV	50	12.14	0.006927	±2.5	PASS
Band4	1513	4	NV	-30	16.41	0.009363	±2.5	PASS
Band4	1513	4	NV	-20	14.28	0.008148	±2.5	PASS
Band4	1513	4	NV	-10	14.28	0.008148	±2.5	PASS
Band4	1513	4	NV	0	14.15	0.008074	±2.5	PASS
Band4	1513	4	NV	10	15.81	0.009021	±2.5	PASS
Band4	1513	4	NV	20	13.49	0.007697	±2.5	PASS
Band4	1513	4	NV	30	13.99	0.007982	±2.5	PASS
Band4	1513	4	NV	40	13.42	0.007657	±2.5	PASS
Band4	1513	4	NV	50	14.02	0.008000	±2.5	PASS
Band4	1513	5	NV	-30	13.13	0.007492	±2.5	PASS
Band4	1513	5	NV	-20	13.94	0.007954	±2.5	PASS
Band4	1513	5	NV	-10	15.37	0.008770	±2.5	PASS
Band4	1513	5	NV	0	14.91	0.008507	±2.5	PASS
Band4	1513	5	NV	10	11.92	0.006801	±2.5	PASS
Band4	1513	5	NV	20	14.26	0.008136	±2.5	PASS
Band4	1513	5	NV	30	12.83	0.007321	±2.5	PASS
Band4	1513	5	NV	40	13.98	0.007977	±2.5	PASS
Band4	1513	5	NV	50	13.67	0.007800	±2.5	PASS

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