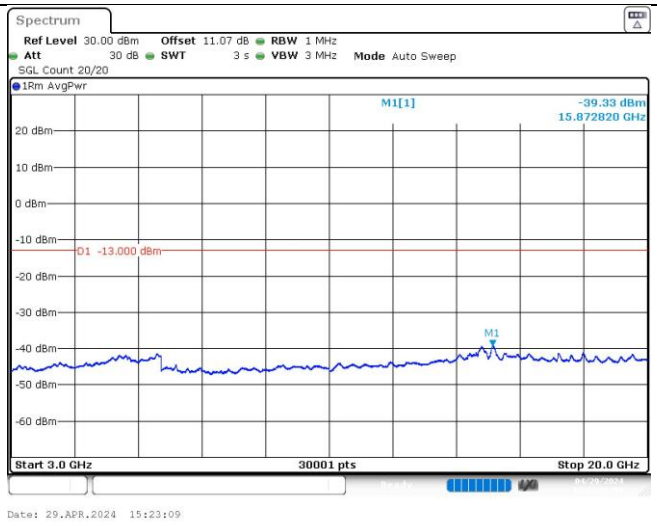
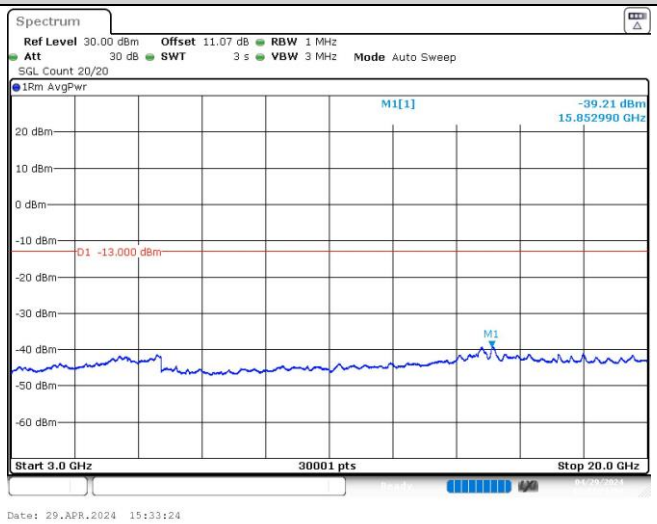
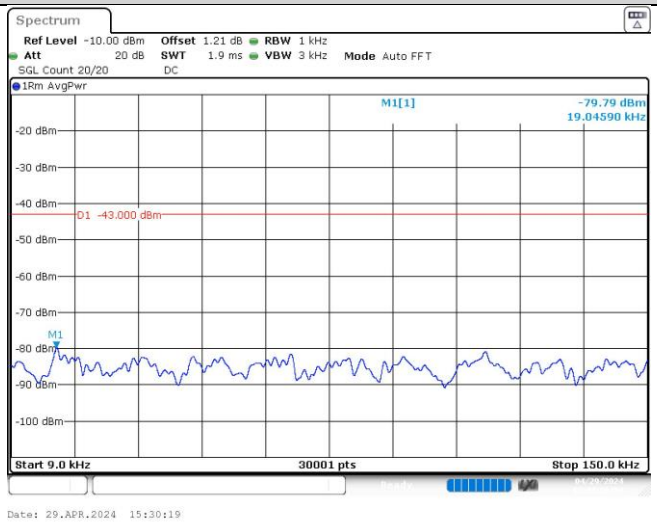


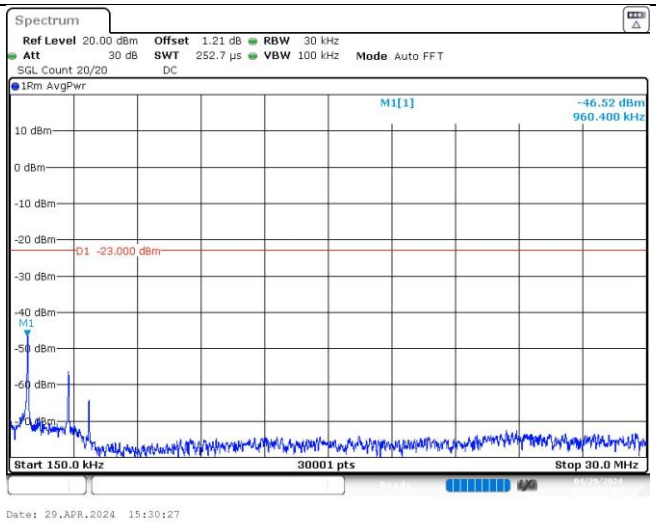
Band4-1513-4-3000~20000MHz



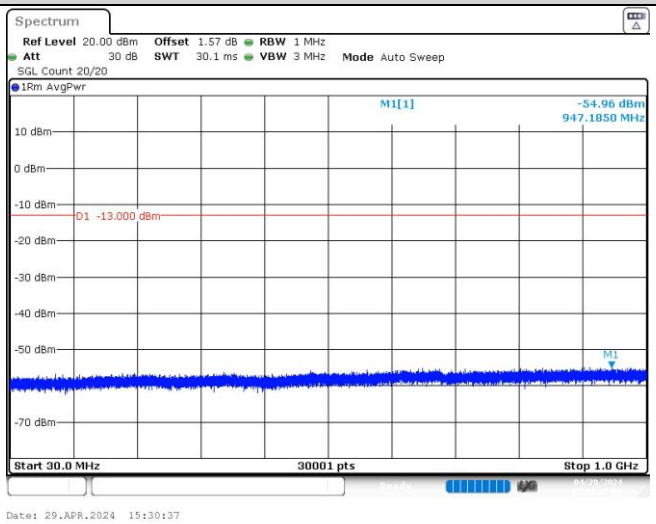
Band4-1513-4-0.009~0.15MHz



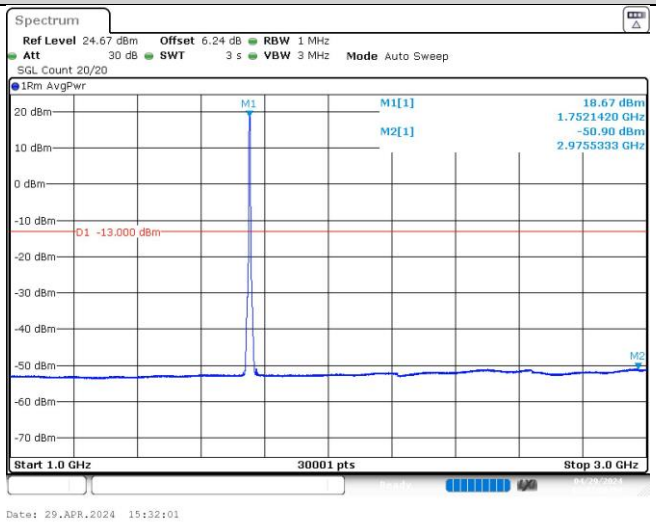
Band4-1513-4-0.15~30MHz



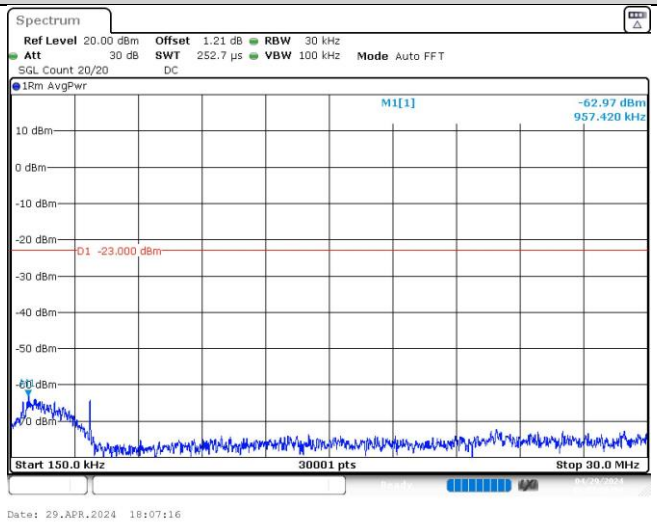
Band4-1513-4-30~1000MHz



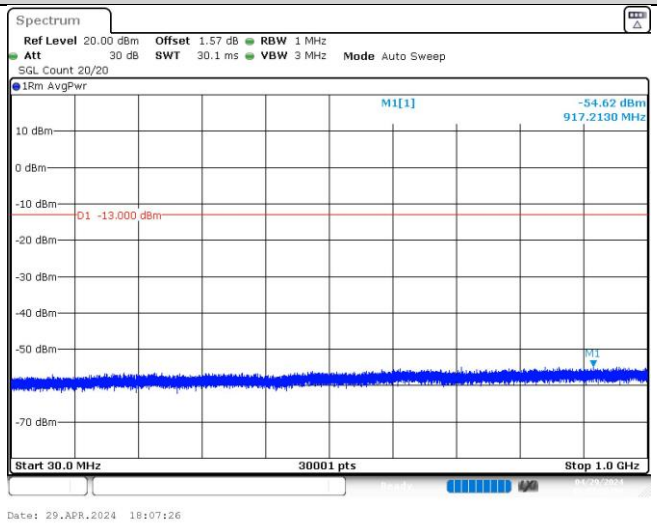
Band4-1513-4-1000~3000MHz



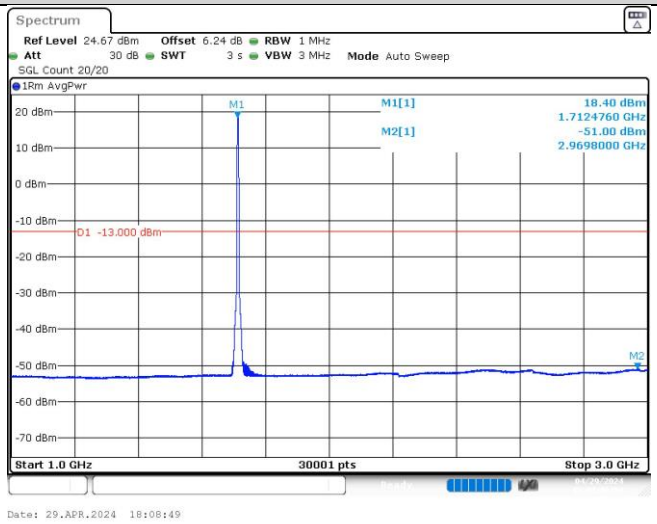
Band4-1312-1-0.15~30MHz



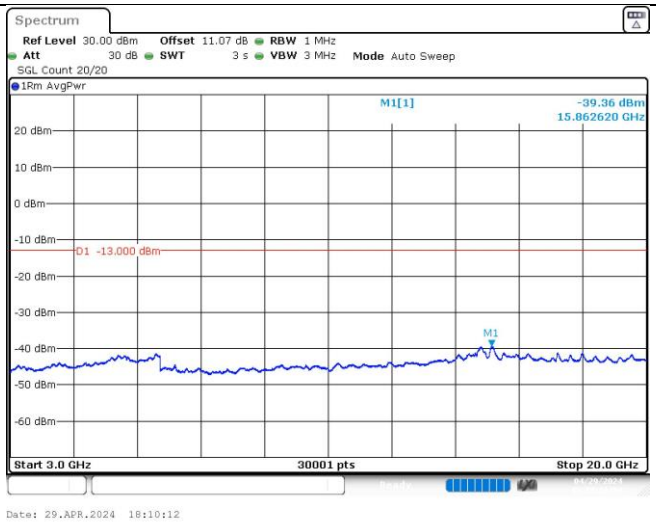
Band4-1312-1-30~1000MHz



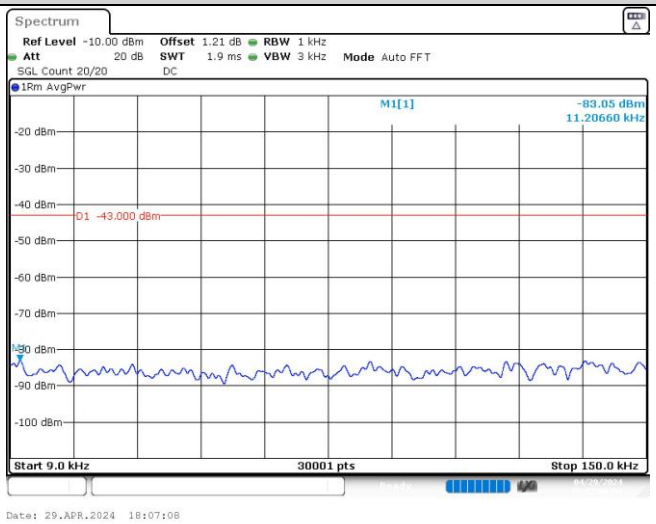
Band4-1312-1-1000~3000MHz



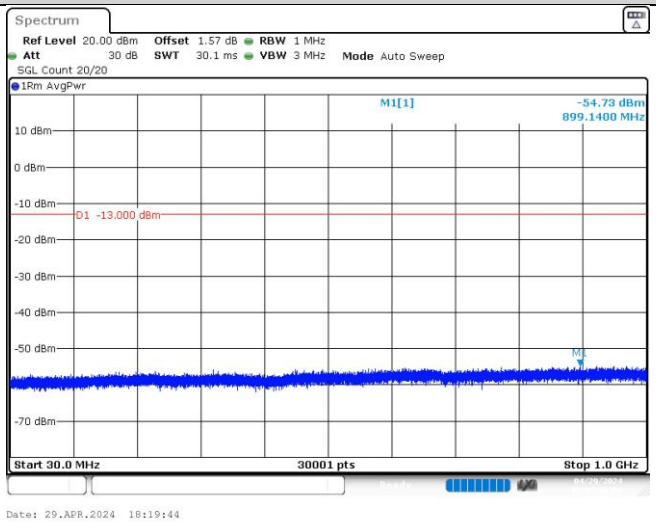
Band4-1312-1-3000~20000MHz



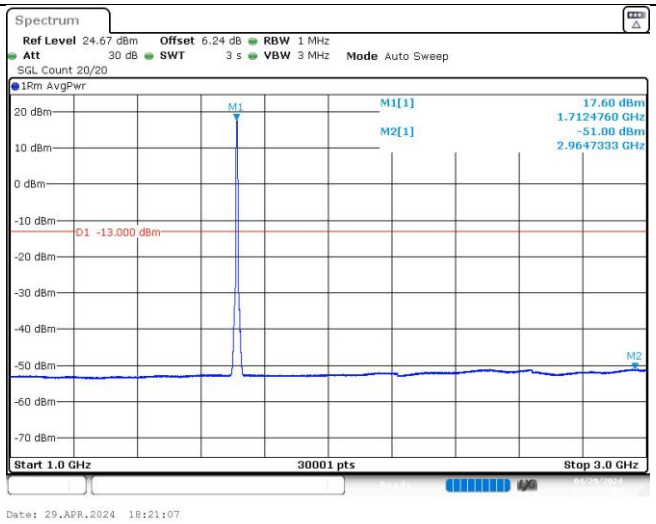
Band4-1312-1-0.009~0.15MHz



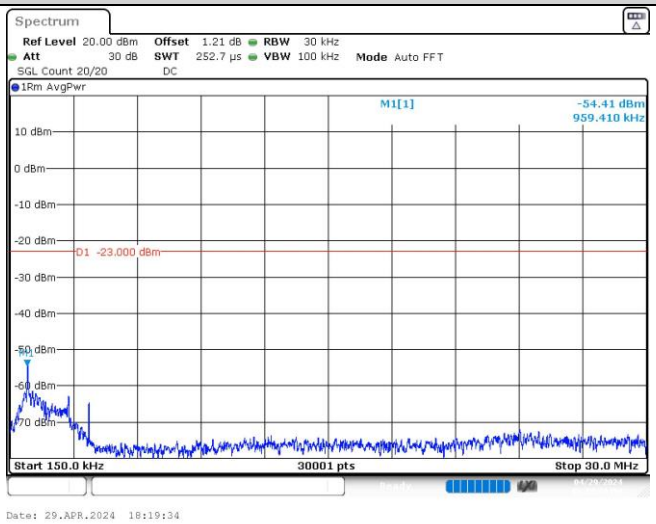
Band4-1312-2-30~1000MHz



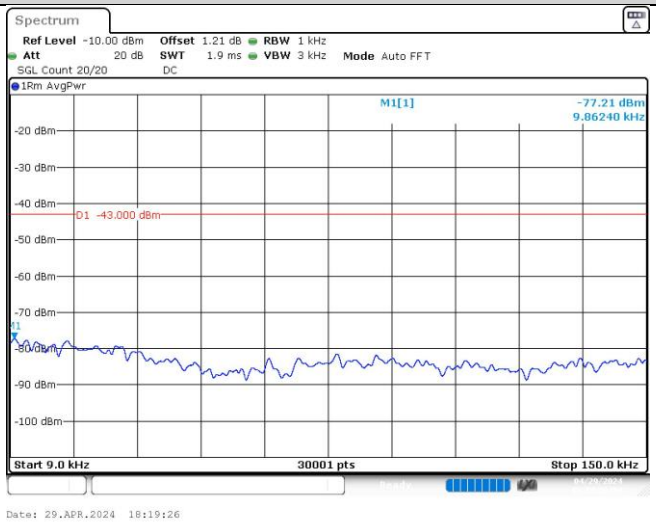
Band4-1312-2-1000~3000MHz



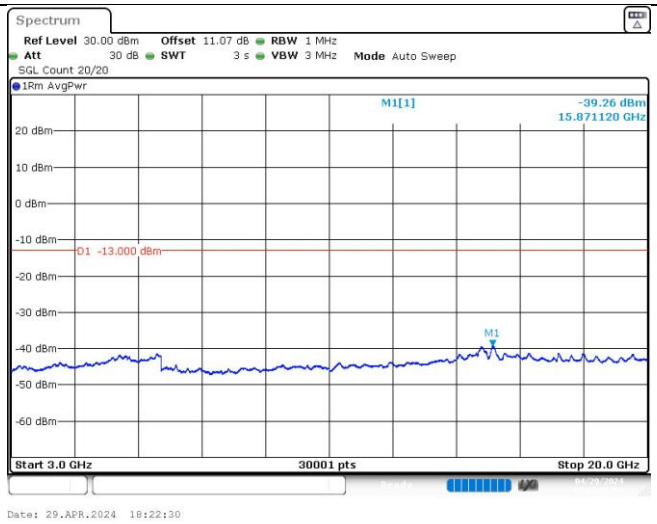
Band4-1312-2-0.15~30MHz



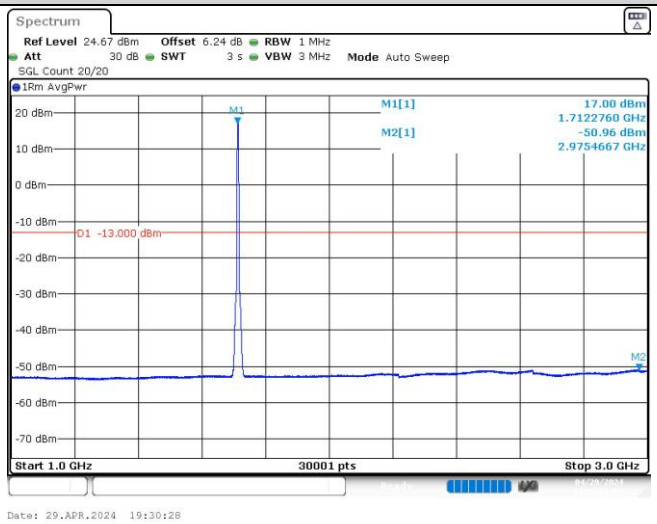
Band4-1312-2-0.009~0.15MHz



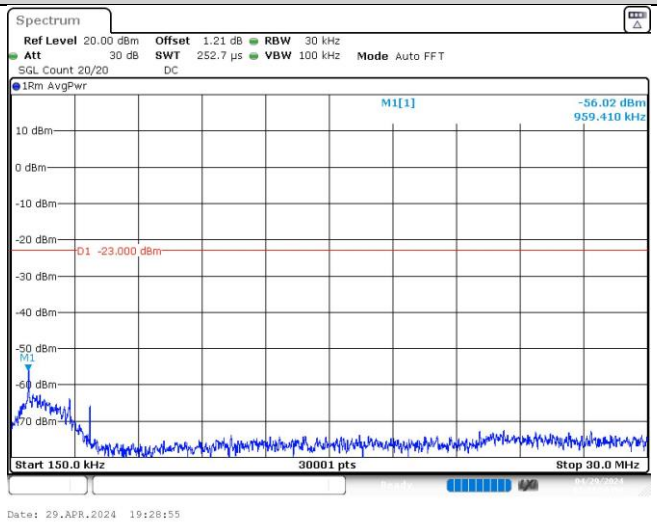
Band4-1312-2-3000~20000MHz



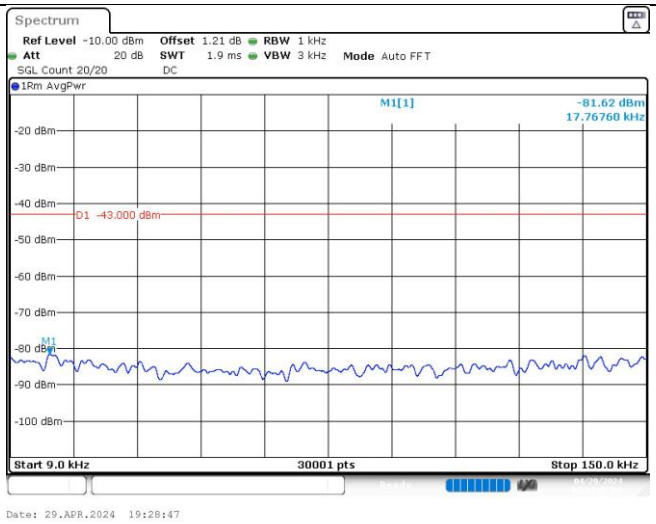
Band4-1312-3-1000~3000MHz



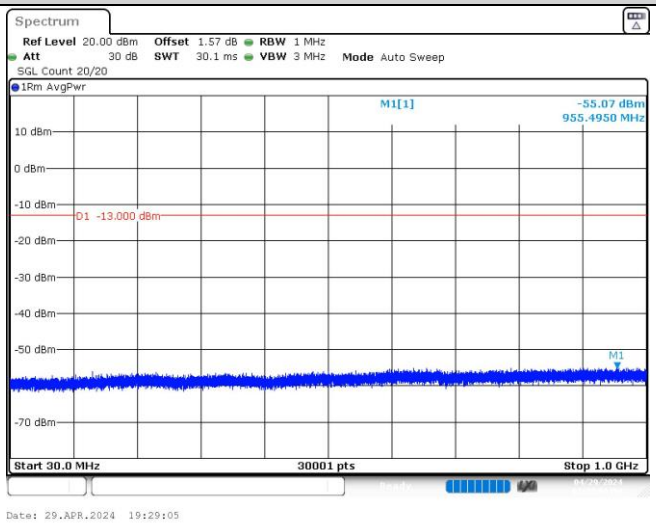
Band4-1312-3-0.15~30MHz



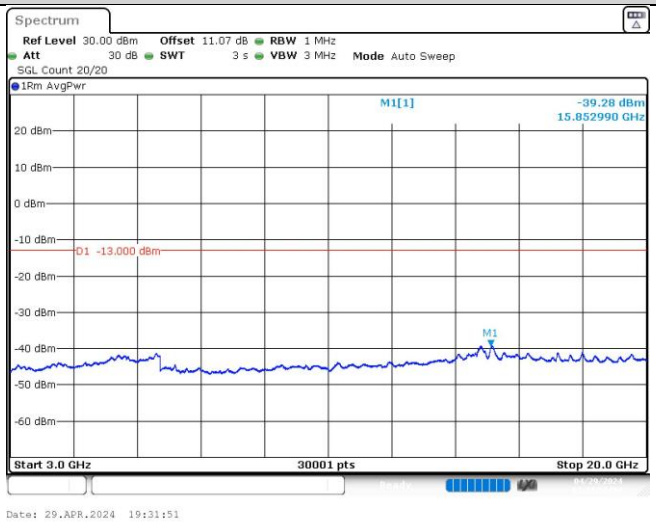
Band4-1312-3-0.009~0.15MHz



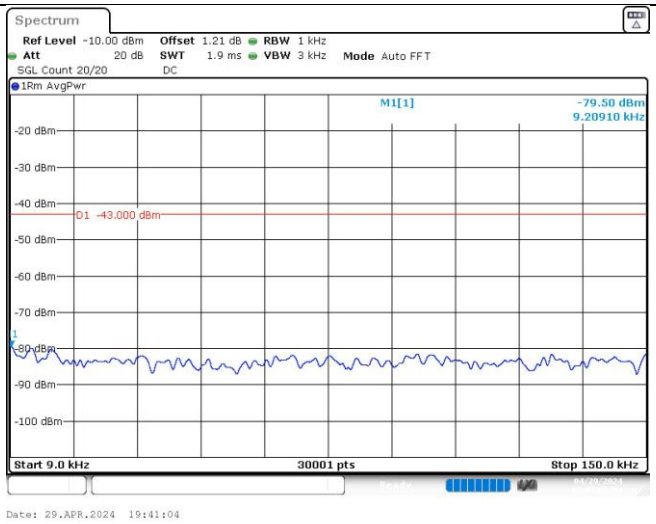
Band4-1312-3-30~1000MHz



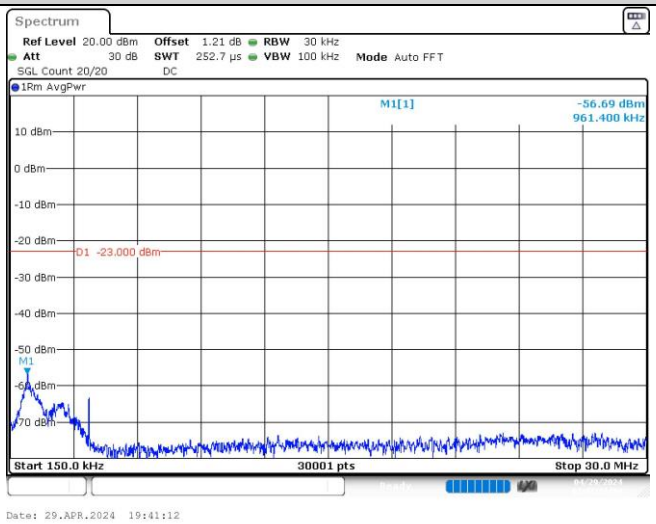
Band4-1312-3-3000~20000MHz



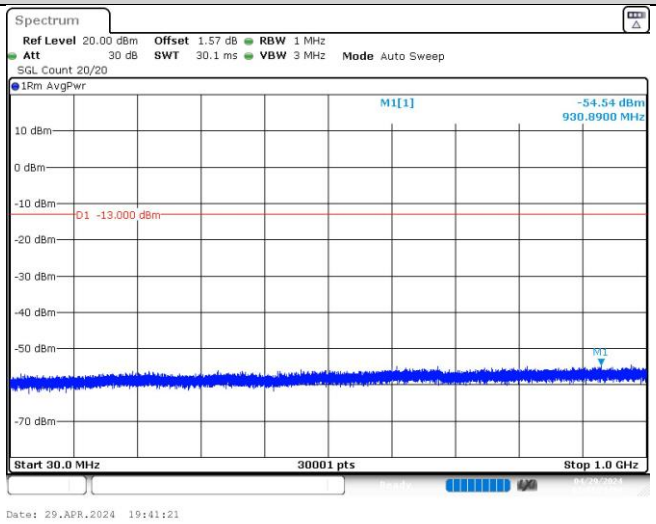
Band4-1312-4-0.009~0.15MHz



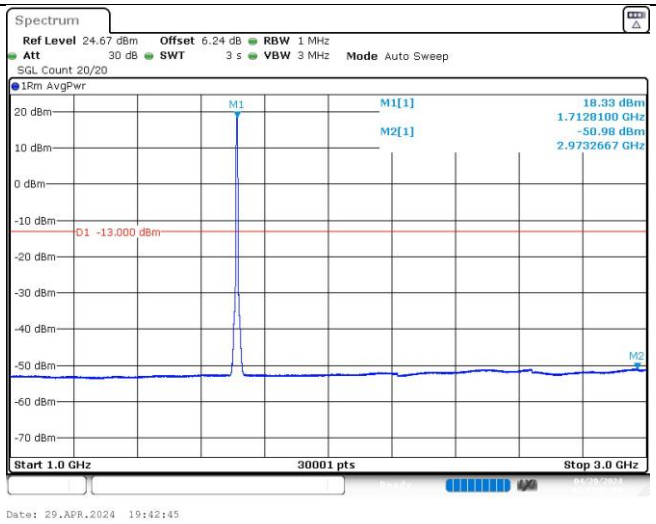
Band4-1312-4-0.15~30MHz



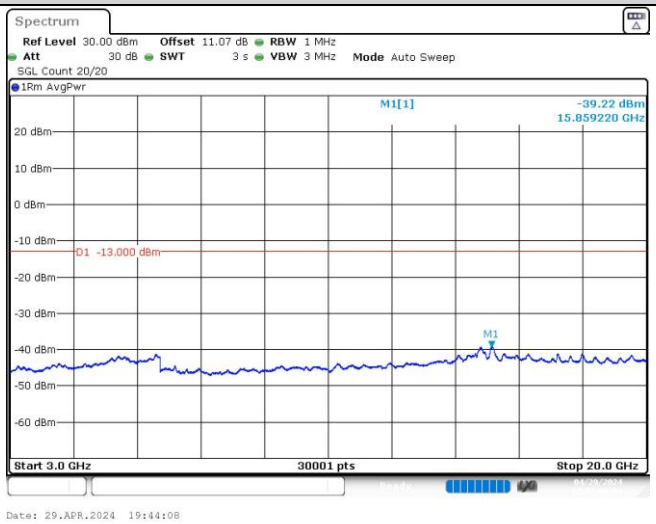
Band4-1312-4-30~1000MHz



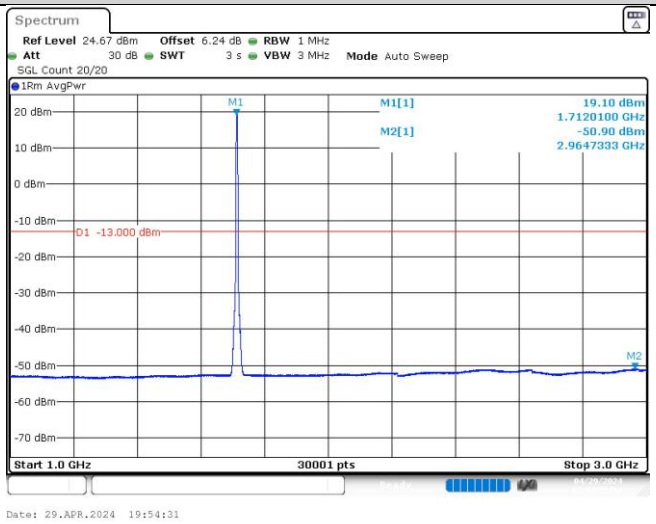
Band4-1312-4-1000~3000MHz



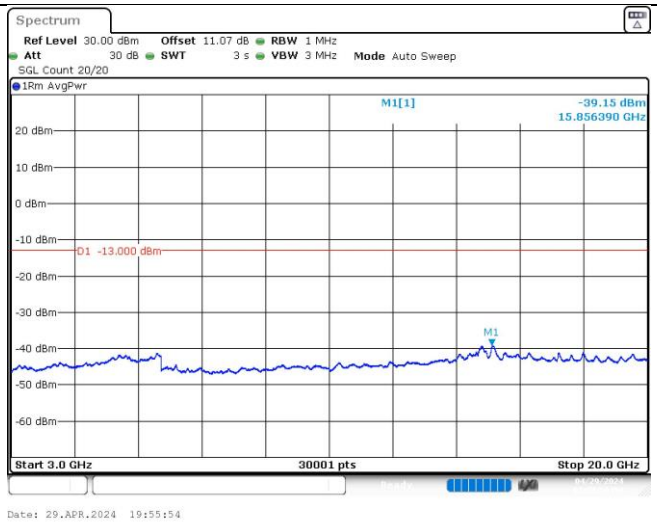
Band4-1312-4-3000~20000MHz



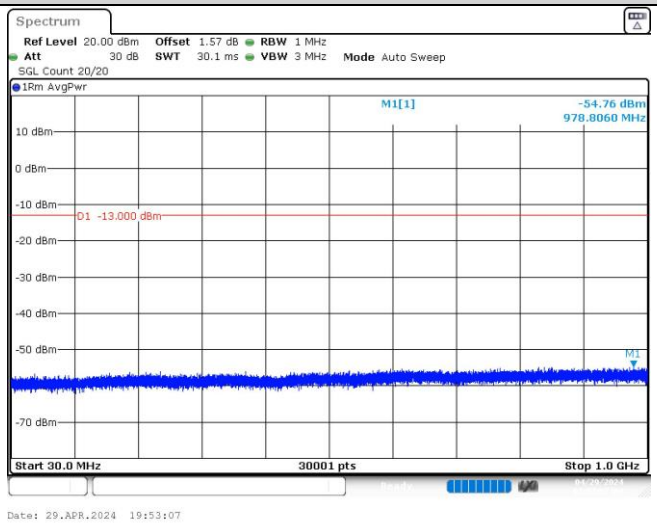
Band4-1312-5-1000~3000MHz



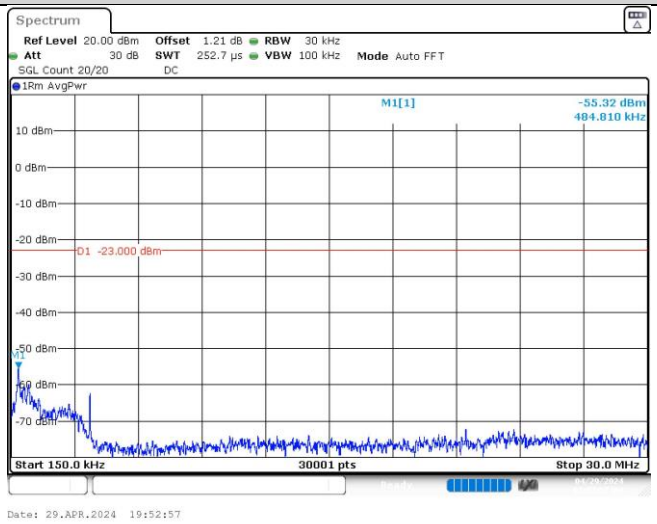
Band4-1312-5-3000~20000MHz



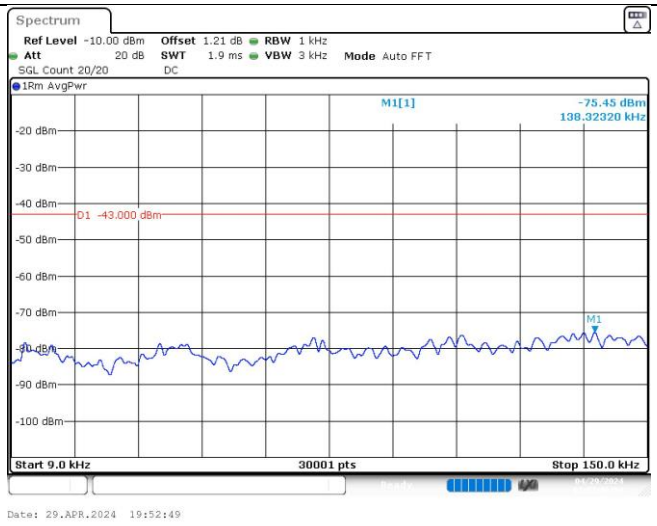
Band4-1312-5-30~1000MHz



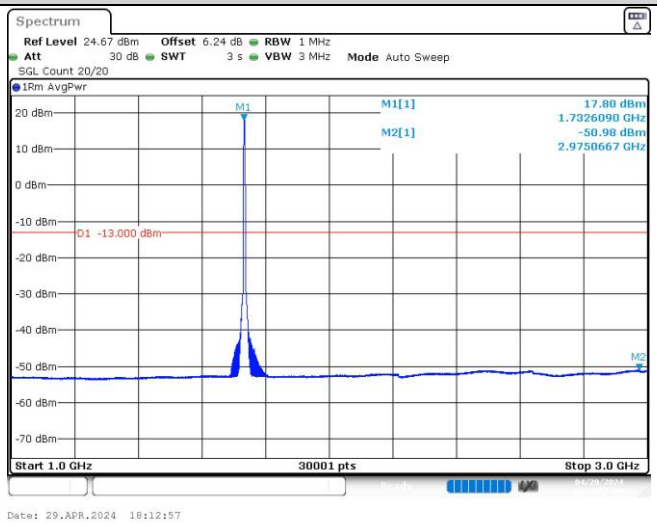
Band4-1312-5-0.15~30MHz



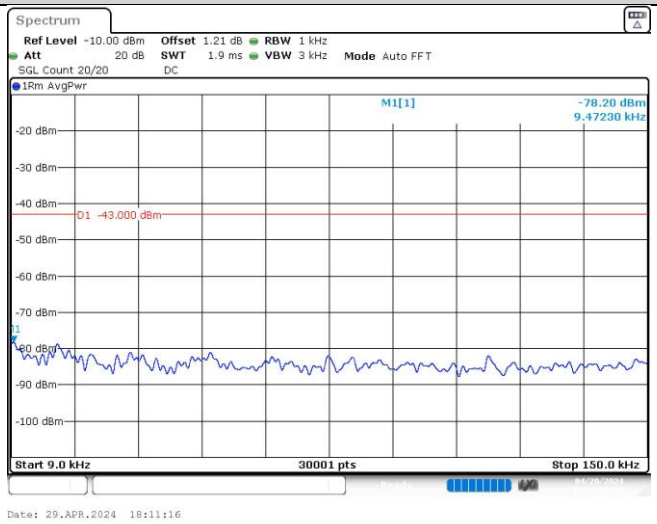
Band4-1312-5-0.009~0.15MHz



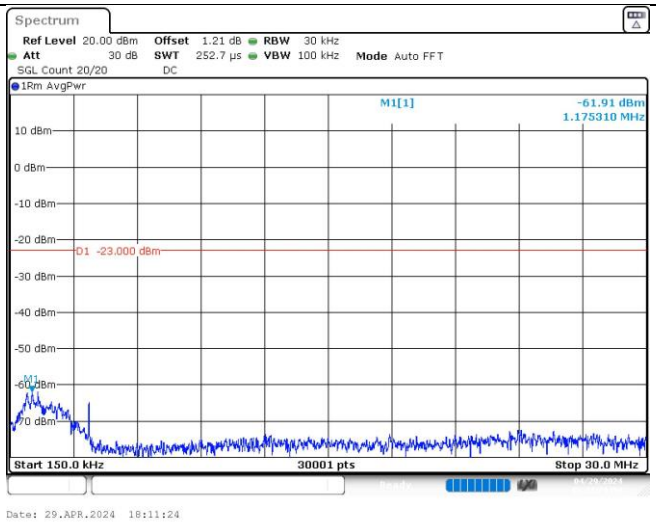
Band4-1413-1-1000~3000MHz



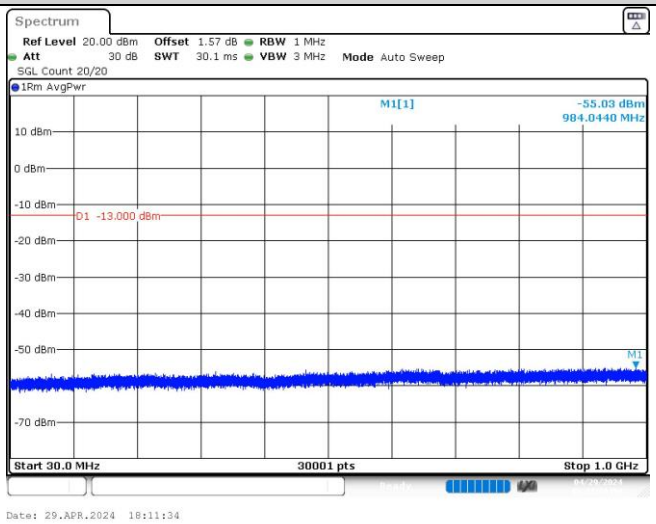
Band4-1413-1-0.009~0.15MHz



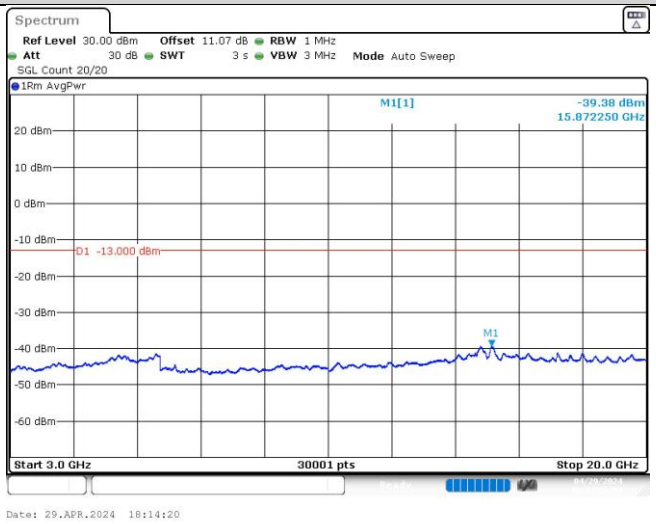
Band4-1413-1-0.15~30MHz



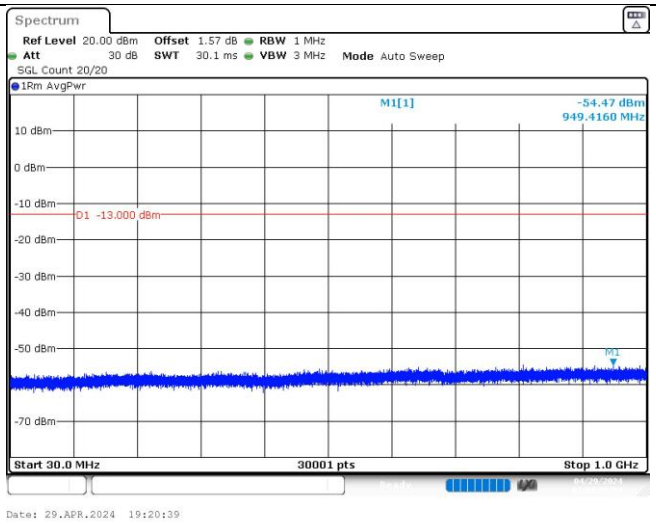
Band4-1413-1-30~1000MHz



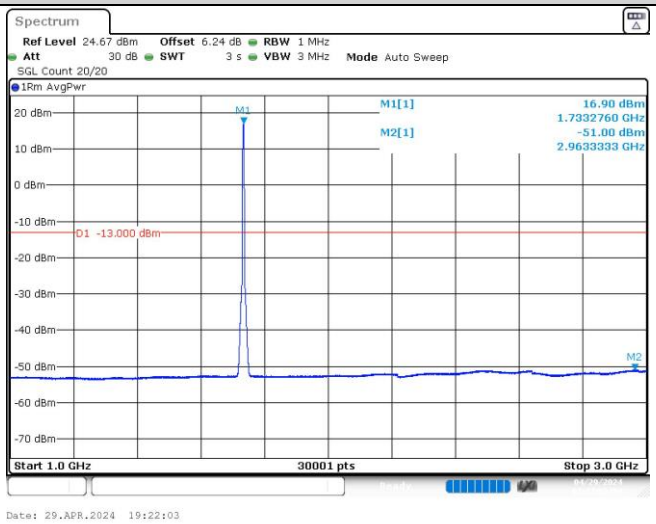
Band4-1413-1-3000~20000MHz



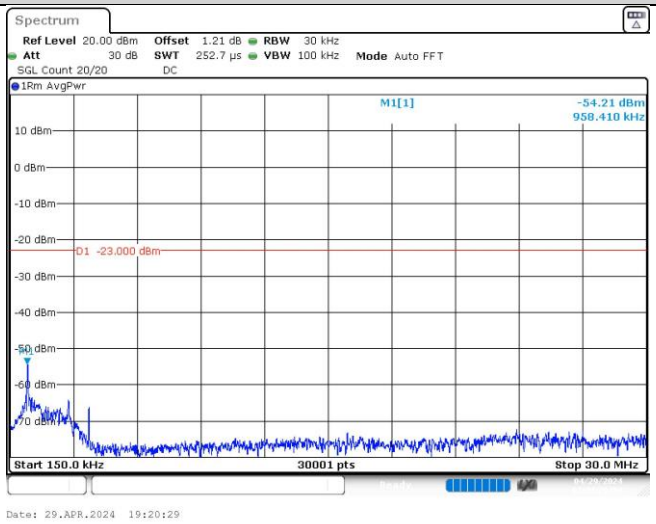
Band4-1413-2-30~1000MHz



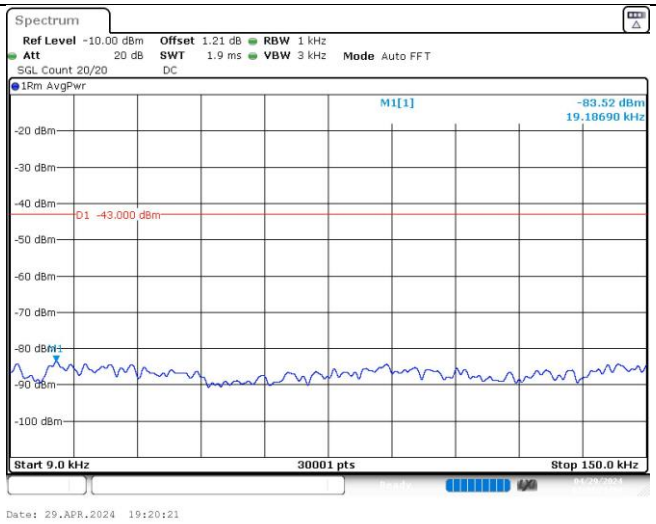
Band4-1413-2-1000~3000MHz



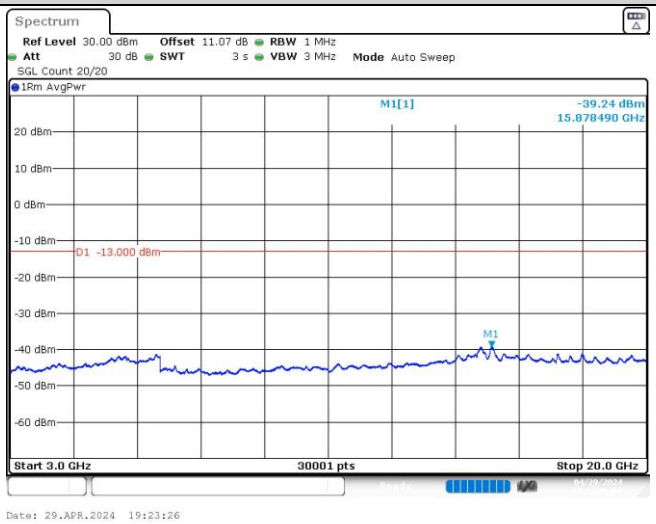
Band4-1413-2-0.15~30MHz



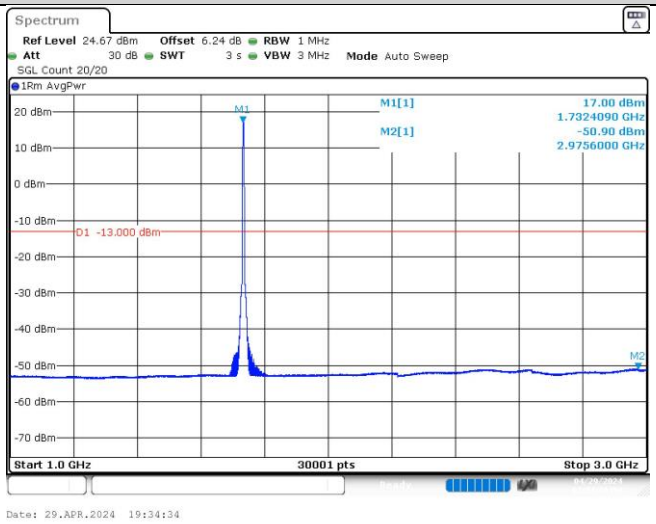
Band4-1413-2-0.009~0.15MHz



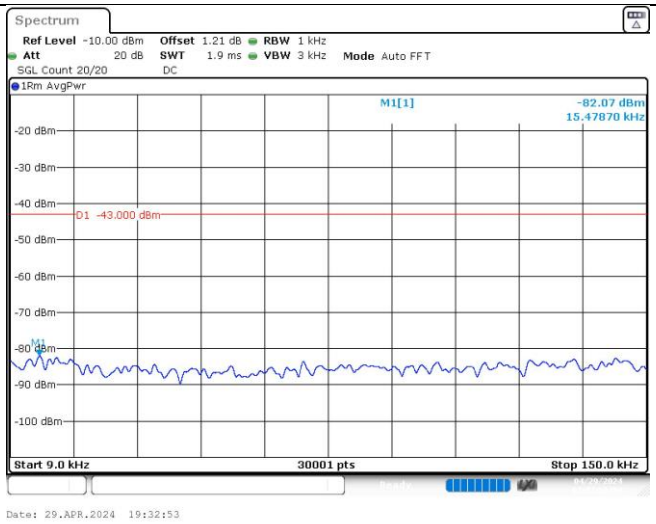
Band4-1413-2-3000~20000MHz



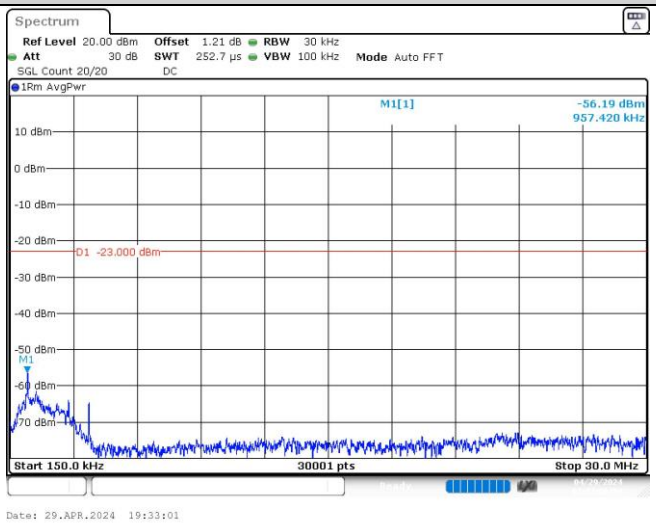
Band4-1413-3-1000~3000MHz



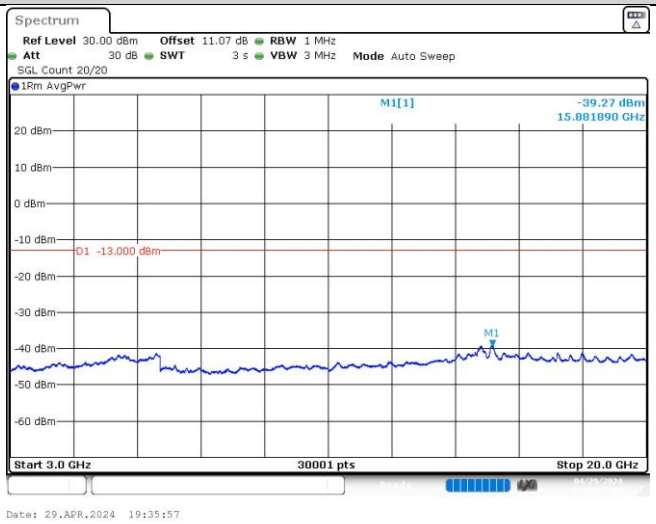
Band4-1413-3-0.009~0.15MHz



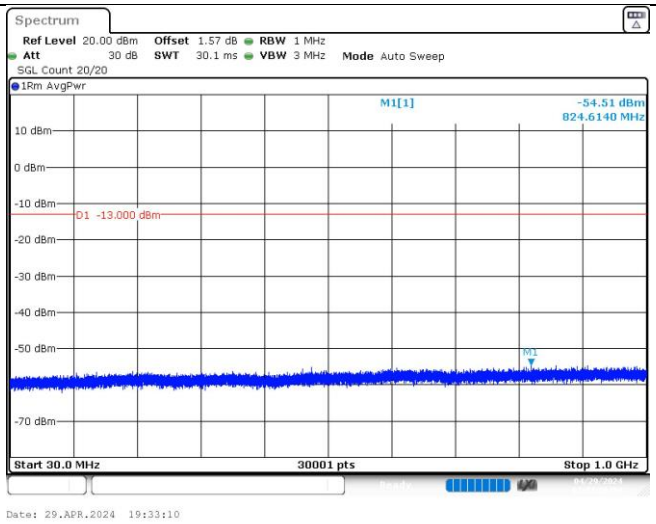
Band4-1413-3-0.15~30MHz



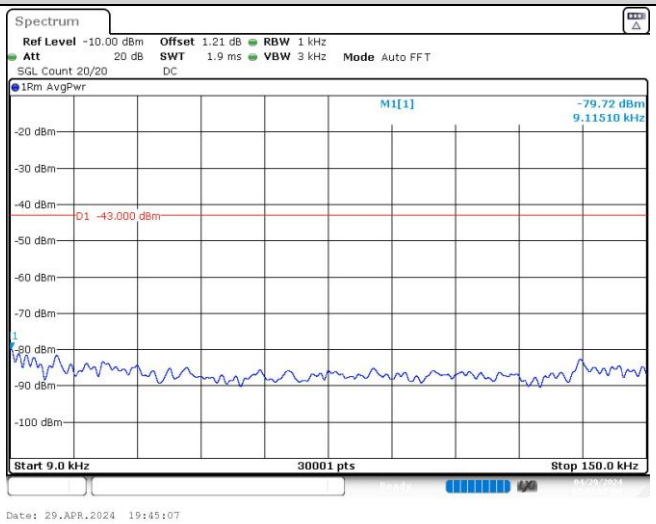
Band4-1413-3-3000~20000MHz



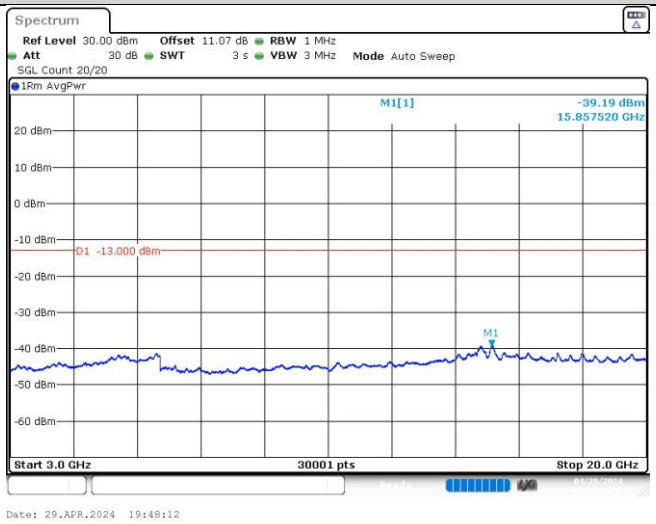
Band4-1413-3-30~1000MHz



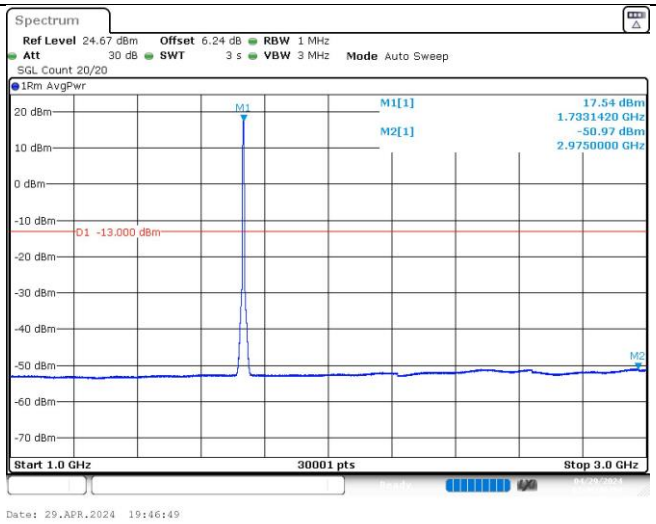
Band4-1413-4-0.009~0.15MHz



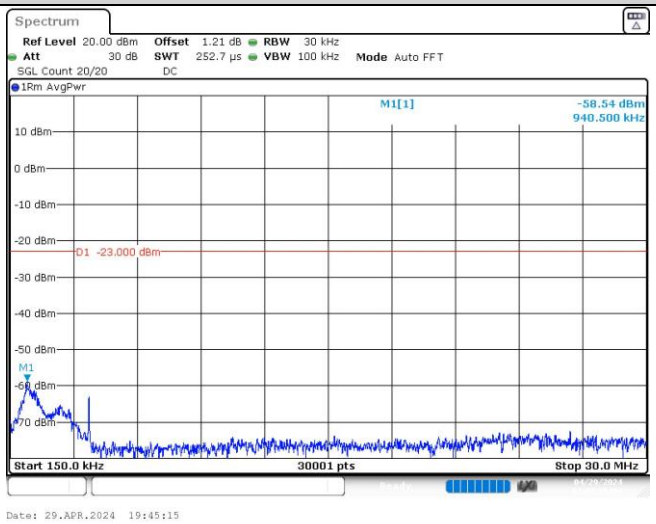
Band4-1413-4-3000~20000MHz



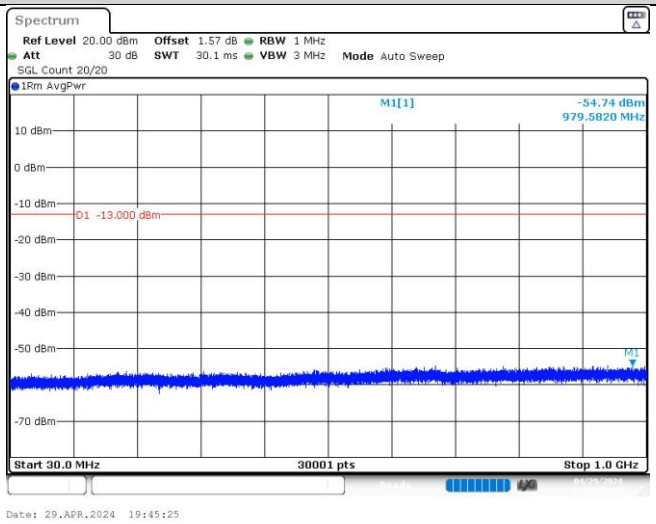
Band4-1413-4-1000~3000MHz



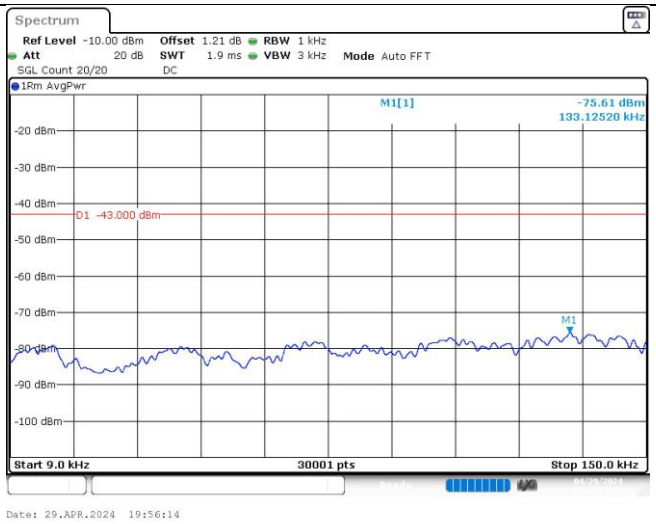
Band4-1413-4-0.15~30MHz



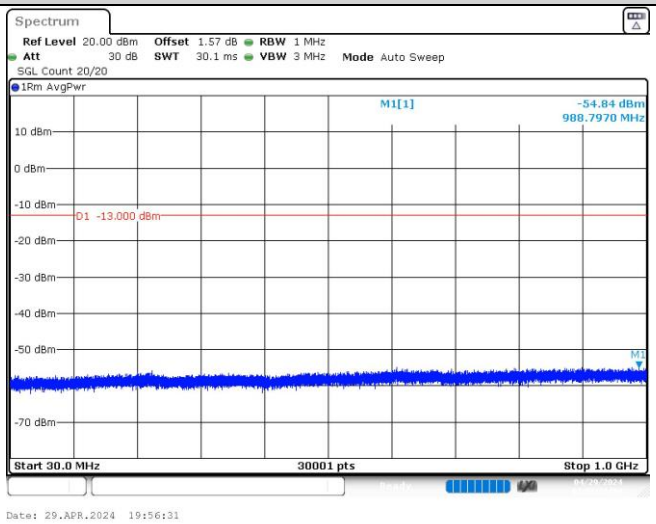
Band4-1413-4-30~1000MHz



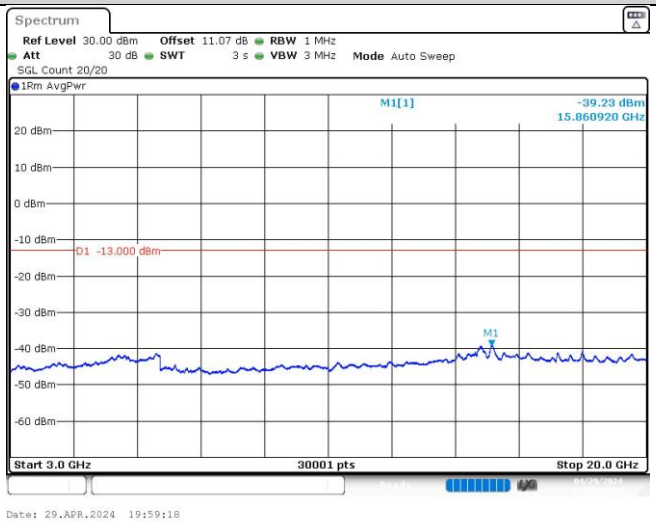
Band4-1413-5-0.009~0.15MHz



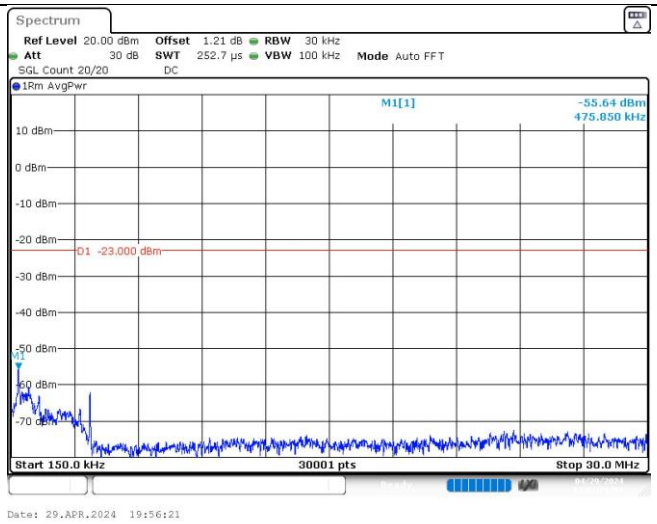
Band4-1413-5-30~1000MHz



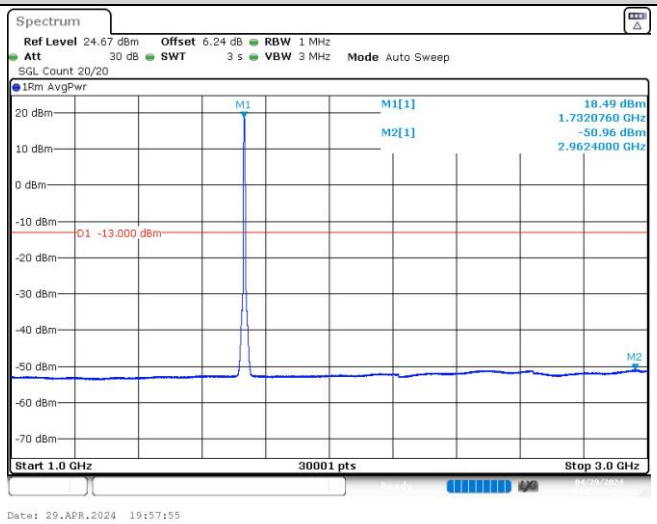
Band4-1413-5-3000~20000MHz



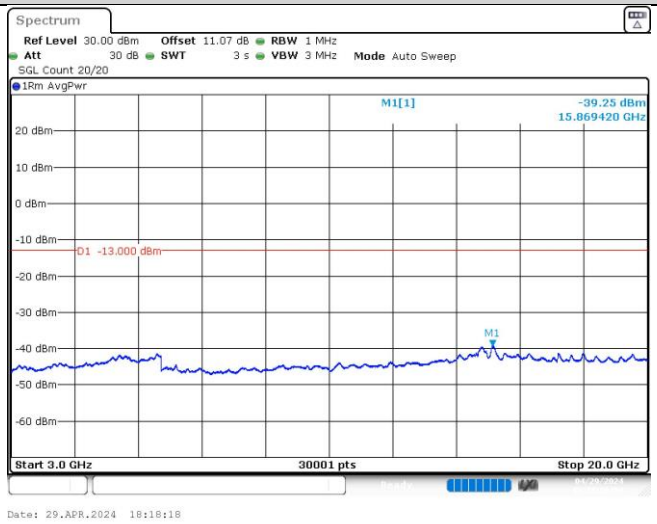
Band4-1413-5-0.15~30MHz



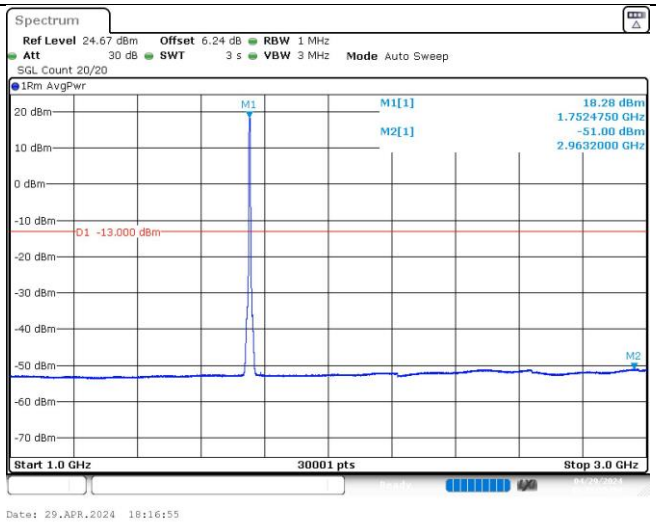
Band4-1413-5-1000~3000MHz



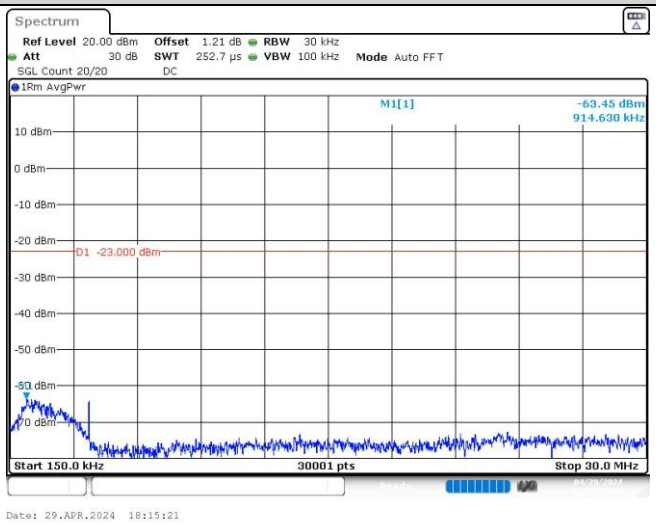
Band4-1513-1-3000~20000MHz



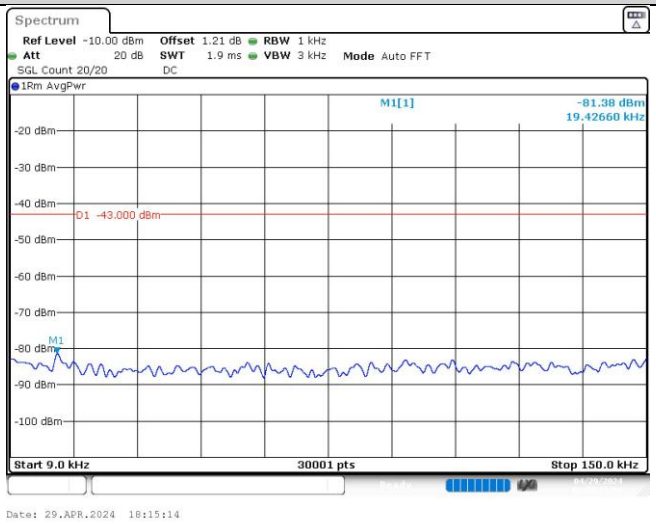
Band4-1513-1-1000~3000MHz



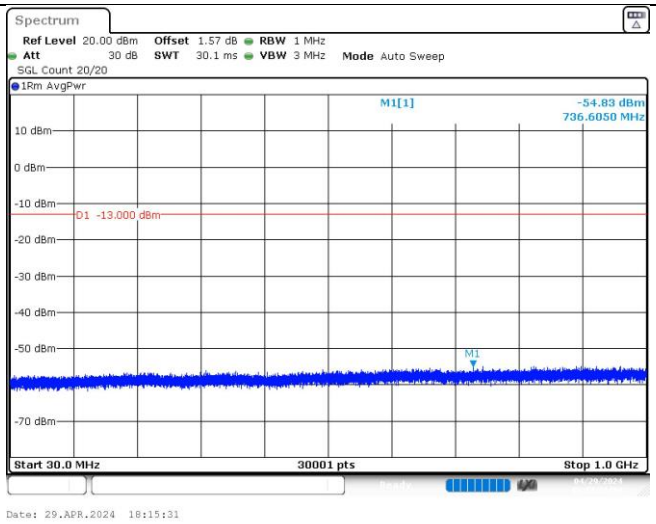
Band4-1513-1-0.15~30MHz



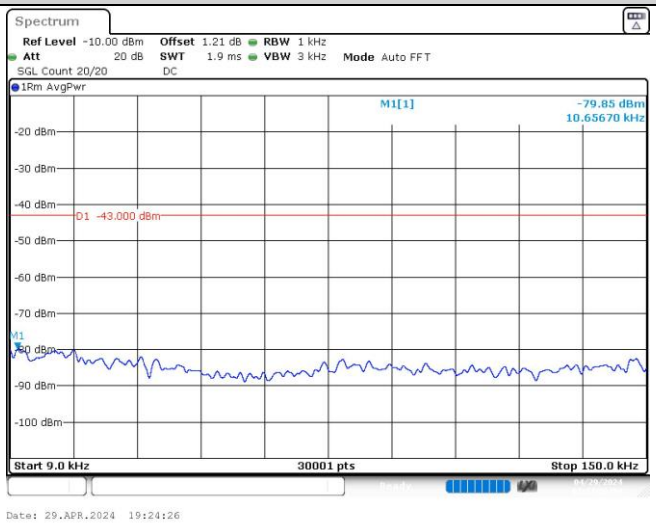
Band4-1513-1-0.009~0.15MHz



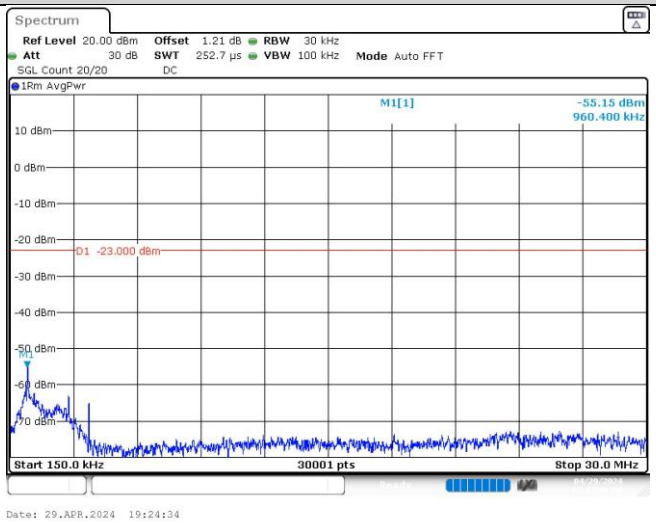
Band4-1513-1-30~1000MHz



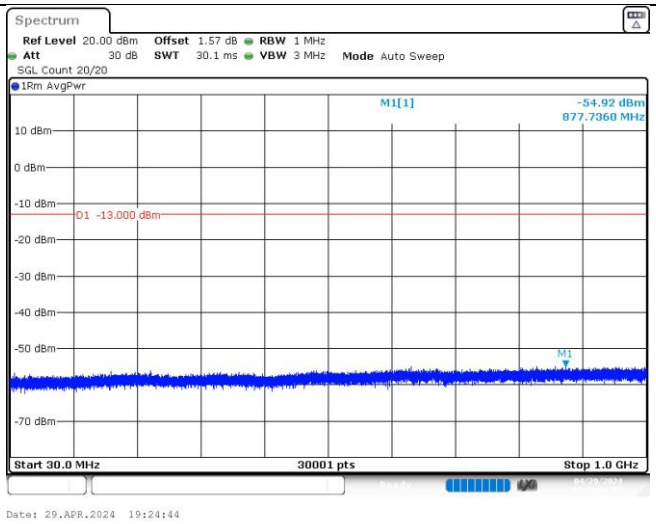
Band4-1513-2-0.009~0.15MHz



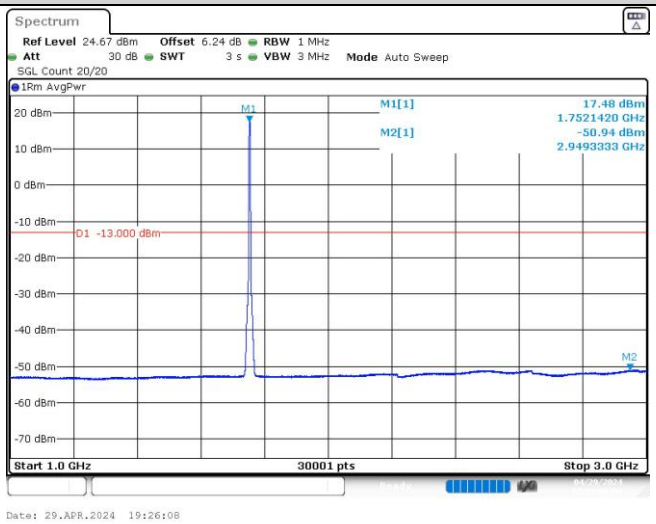
Band4-1513-2-0.15~30MHz



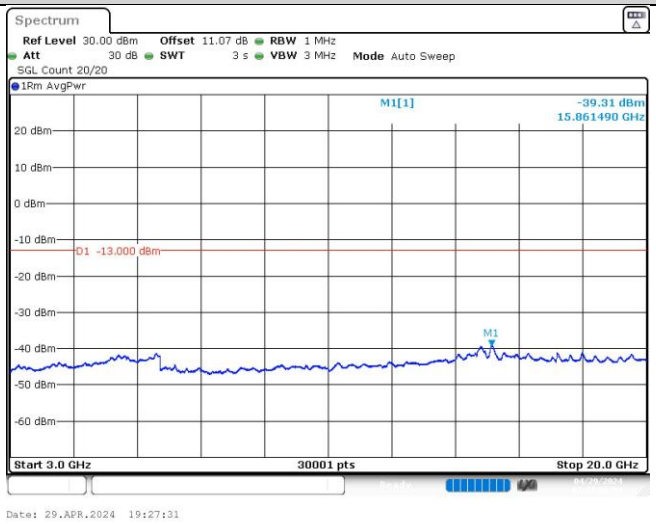
Band4-1513-2-30~1000MHz



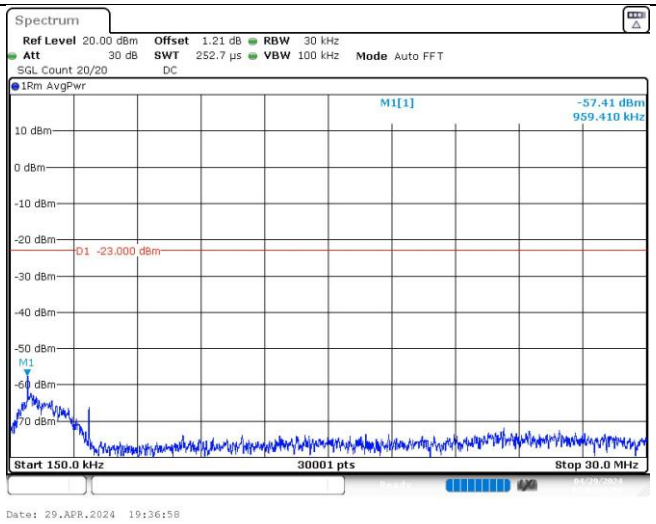
Band4-1513-2-1000~3000MHz



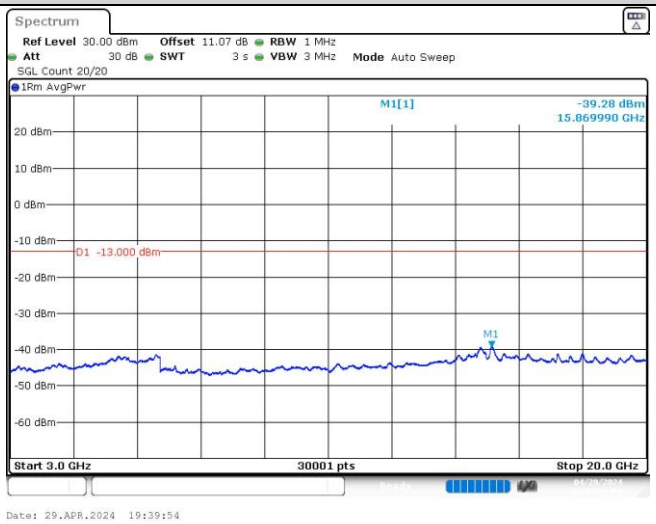
Band4-1513-2-3000~20000MHz



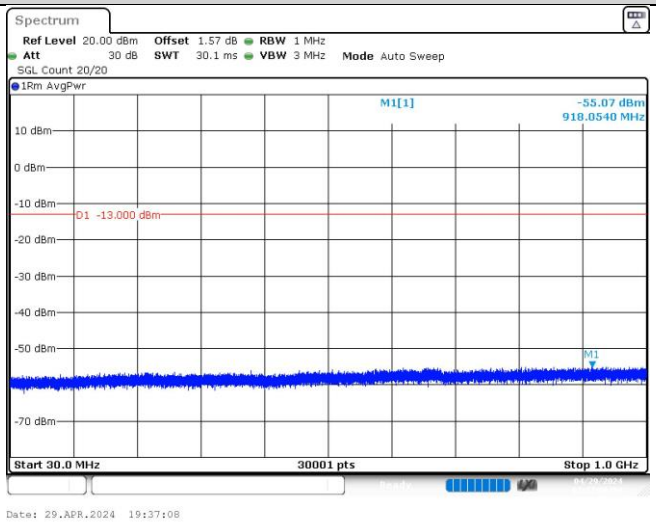
Band4-1513-3-0.15~30MHz



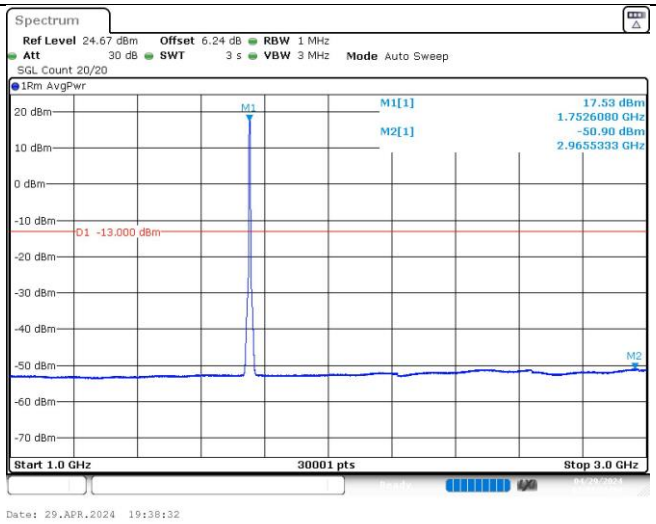
Band4-1513-3-3000~20000MHz



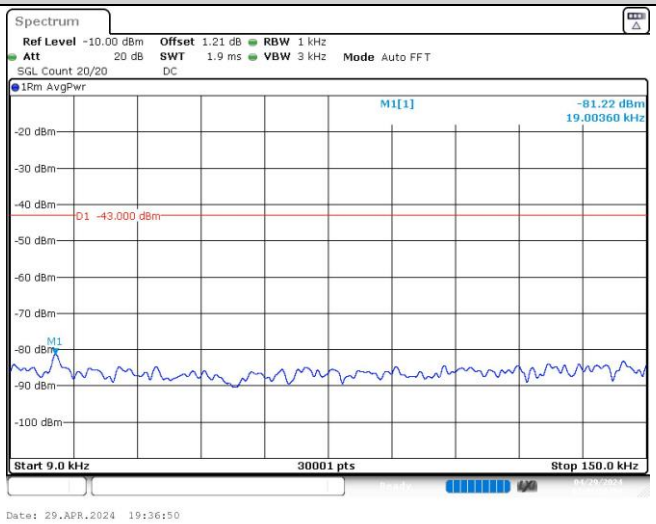
Band4-1513-3-30~1000MHz



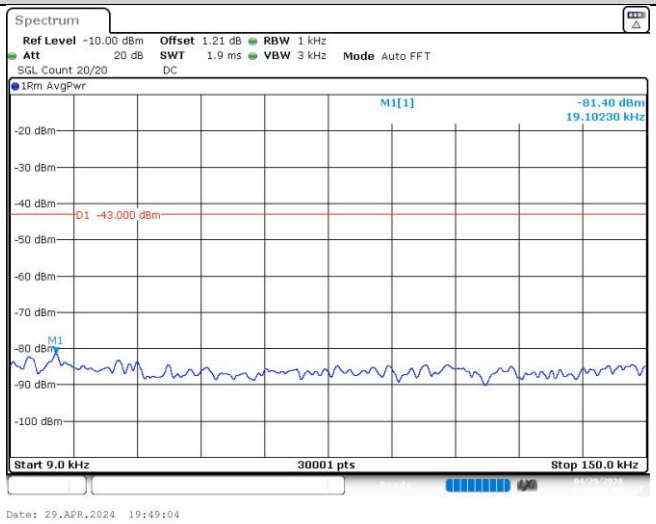
Band4-1513-3-1000~3000MHz



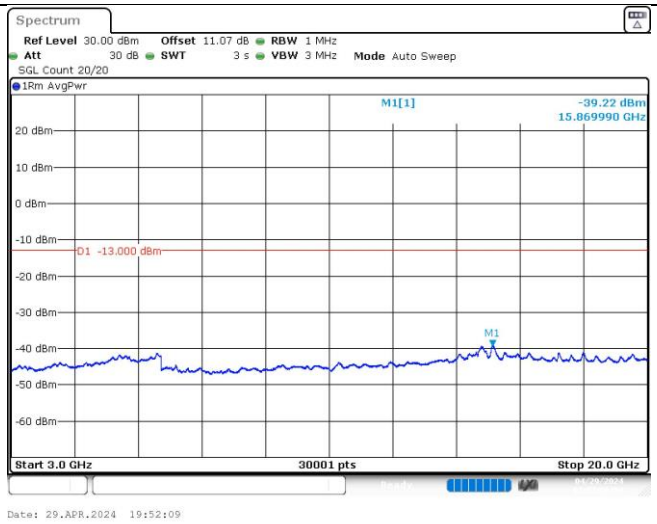
Band4-1513-3-0.009~0.15MHz



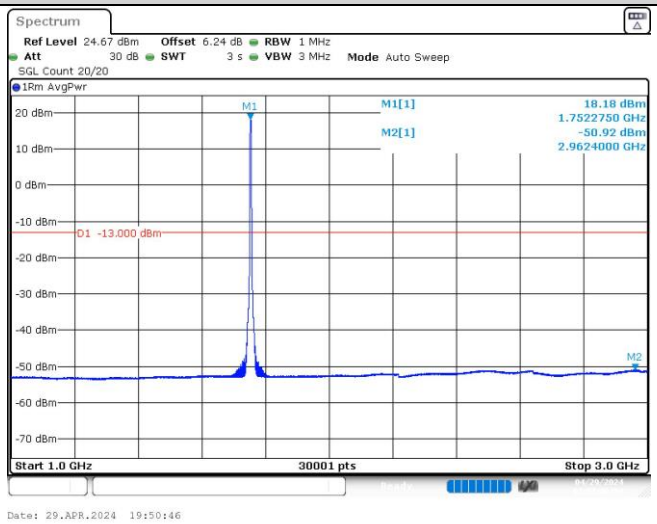
Band4-1513-4-0.009~0.15MHz



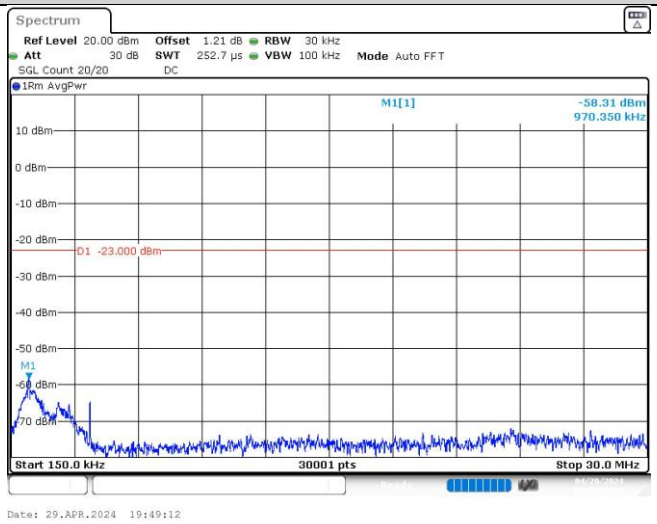
Band4-1513-4-3000~20000MHz



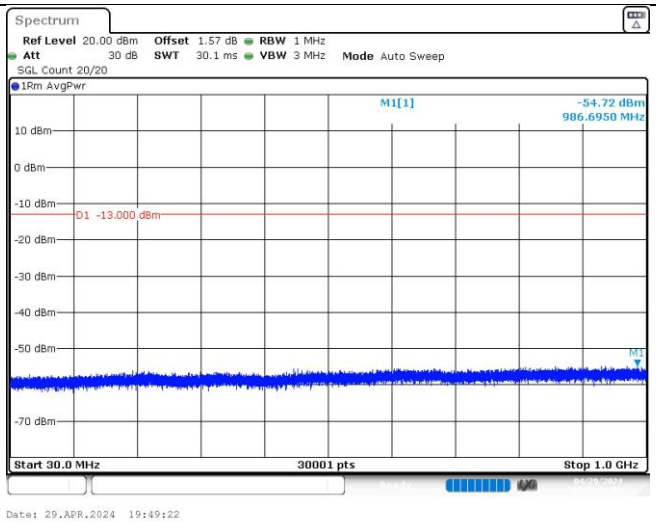
Band4-1513-4-1000~3000MHz



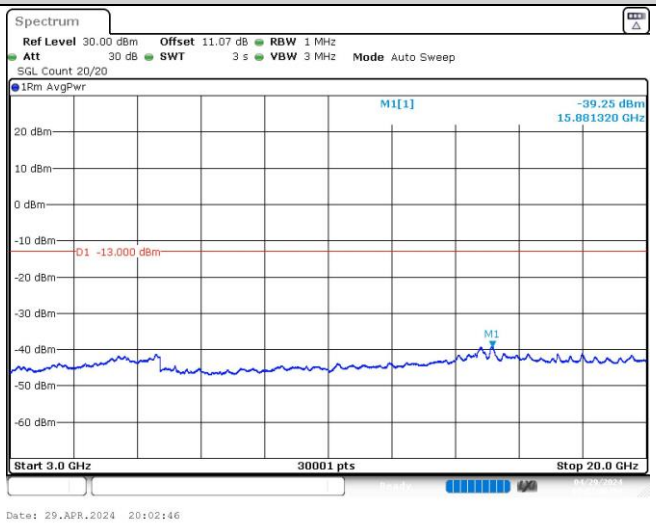
Band4-1513-4-0.15~30MHz



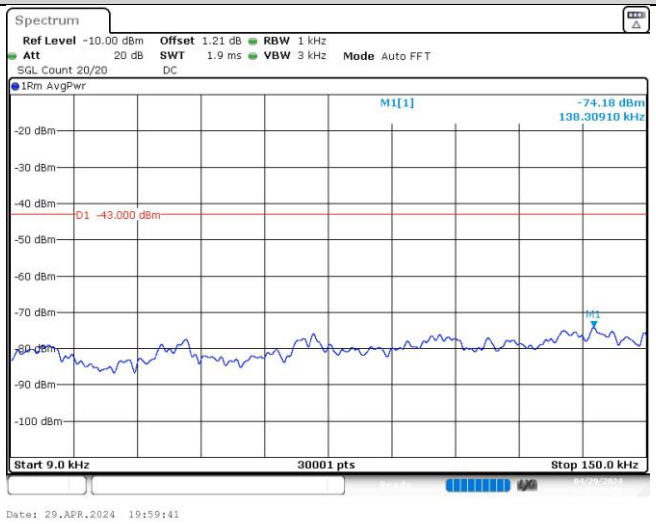
Band4-1513-4-30~1000MHz



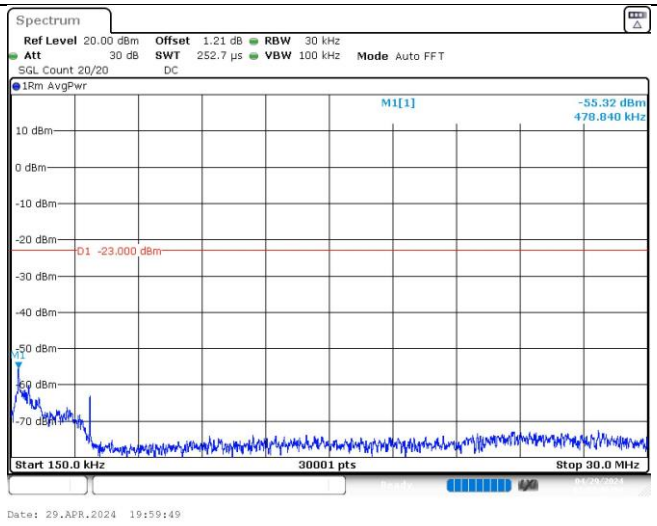
Band4-1513-5-3000~20000MHz



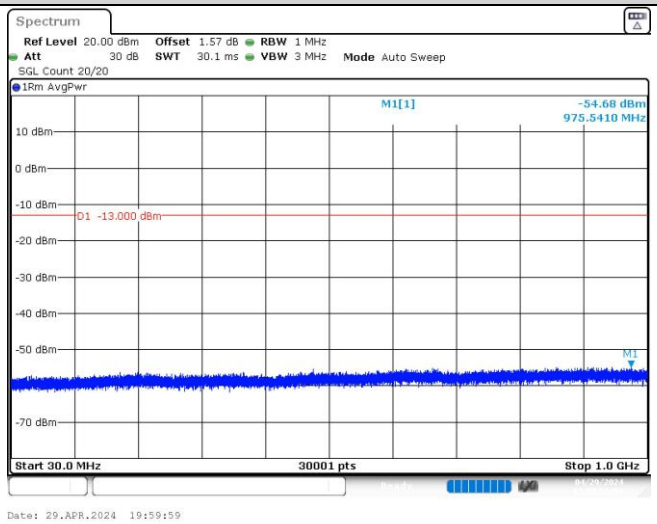
Band4-1513-5-0.009~0.15MHz



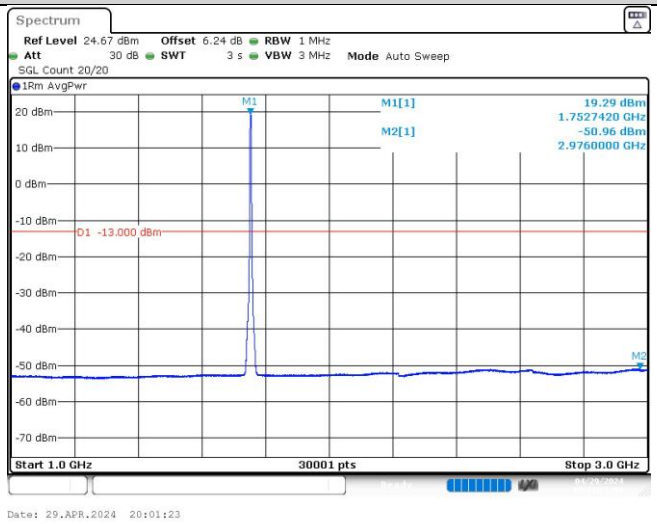
Band4-1513-5-0.15~30MHz



Band4-1513-5-30~1000MHz



Band4-1513-5-1000~3000MHz



APPENDIX B.6: FREQUENCY STABILITY

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	VL	NT	-12.60	-0.007358	±2.5	PASS
Band4	1312	VN	NT	-11.75	-0.006862	±2.5	PASS
Band4	1312	VH	NT	-12.95	-0.007562	±2.5	PASS
Band4	1413	VL	NT	1.82	0.001050	±2.5	PASS
Band4	1413	VN	NT	2.98	0.001720	±2.5	PASS
Band4	1413	VH	NT	2.29	0.001322	±2.5	PASS
Band4	1513	VL	NT	20.59	0.011748	±2.5	PASS
Band4	1513	VN	NT	20.33	0.011600	±2.5	PASS
Band4	1513	VH	NT	20.37	0.011623	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	NV	-30	-13.77	-0.008041	±2.5	PASS
Band4	1312	NV	-20	-13.91	-0.008123	±2.5	PASS
Band4	1312	NV	0	-14.04	-0.008199	±2.5	PASS
Band4	1312	NV	10	-14.43	-0.008427	±2.5	PASS
Band4	1312	NV	20	-14.53	-0.008485	±2.5	PASS
Band4	1312	NV	30	-14.67	-0.008567	±2.5	PASS
Band4	1312	NV	40	-15.25	-0.008906	±2.5	PASS
Band4	1312	NV	50	-15.37	-0.008976	±2.5	PASS
Band4	1312	NV	55	-15.81	-0.009233	±2.5	PASS
Band4	1413	NV	-30	2.58	0.001489	±2.5	PASS
Band4	1413	NV	-20	2.00	0.001154	±2.5	PASS
Band4	1413	NV	0	1.33	0.000768	±2.5	PASS
Band4	1413	NV	10	1.87	0.001079	±2.5	PASS
Band4	1413	NV	20	2.04	0.001177	±2.5	PASS
Band4	1413	NV	30	1.25	0.000721	±2.5	PASS
Band4	1413	NV	40	1.40	0.000808	±2.5	PASS
Band4	1413	NV	50	0.77	0.000444	±2.5	PASS
Band4	1413	NV	55	1.47	0.000848	±2.5	PASS
Band4	1513	NV	-30	20.17	0.011509	±2.5	PASS
Band4	1513	NV	-20	20.43	0.011657	±2.5	PASS
Band4	1513	NV	0	19.48	0.011115	±2.5	PASS
Band4	1513	NV	10	19.45	0.011098	±2.5	PASS
Band4	1513	NV	20	19.48	0.011115	±2.5	PASS
Band4	1513	NV	30	19.25	0.010984	±2.5	PASS
Band4	1513	NV	40	19.30	0.011012	±2.5	PASS
Band4	1513	NV	50	18.66	0.010647	±2.5	PASS
Band4	1513	NV	55	18.65	0.010641	±2.5	PASS

Voltage								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	1	VL	NT	2.14	0.001250	±2.5	PASS
Band4	1312	1	VN	NT	1.15	0.000672	±2.5	PASS
Band4	1312	1	VH	NT	1.61	0.000940	±2.5	PASS
Band4	1312	2	VL	NT	2.43	0.001419	±2.5	PASS
Band4	1312	2	VN	NT	3.20	0.001869	±2.5	PASS
Band4	1312	2	VH	NT	2.67	0.001559	±2.5	PASS
Band4	1312	3	VL	NT	4.37	0.002552	±2.5	PASS
Band4	1312	3	VN	NT	3.81	0.002225	±2.5	PASS
Band4	1312	3	VH	NT	3.57	0.002085	±2.5	PASS
Band4	1312	4	VL	NT	4.50	0.002628	±2.5	PASS
Band4	1312	4	VN	NT	3.89	0.002272	±2.5	PASS
Band4	1312	4	VH	NT	4.64	0.002710	±2.5	PASS
Band4	1413	1	VL	NT	5.03	0.002903	±2.5	PASS
Band4	1413	1	VN	NT	5.56	0.003209	±2.5	PASS
Band4	1413	1	VH	NT	4.96	0.002863	±2.5	PASS
Band4	1413	2	VL	NT	4.82	0.002782	±2.5	PASS
Band4	1413	2	VN	NT	5.29	0.003053	±2.5	PASS
Band4	1413	2	VH	NT	4.43	0.002557	±2.5	PASS
Band4	1413	3	VL	NT	4.84	0.002793	±2.5	PASS
Band4	1413	3	VN	NT	4.86	0.002805	±2.5	PASS
Band4	1413	3	VH	NT	5.08	0.002932	±2.5	PASS
Band4	1413	4	VL	NT	4.63	0.002672	±2.5	PASS
Band4	1413	4	VN	NT	4.68	0.002701	±2.5	PASS
Band4	1413	4	VH	NT	4.59	0.002649	±2.5	PASS
Band4	1513	1	VL	NT	5.26	0.003001	±2.5	PASS
Band4	1513	1	VN	NT	5.16	0.002944	±2.5	PASS
Band4	1513	1	VH	NT	5.34	0.003047	±2.5	PASS
Band4	1513	2	VL	NT	5.48	0.003127	±2.5	PASS
Band4	1513	2	VN	NT	5.74	0.003275	±2.5	PASS
Band4	1513	2	VH	NT	4.70	0.002682	±2.5	PASS
Band4	1513	3	VL	NT	5.59	0.003190	±2.5	PASS
Band4	1513	3	VN	NT	6.30	0.003595	±2.5	PASS
Band4	1513	3	VH	NT	6.12	0.003492	±2.5	PASS
Band4	1513	4	VL	NT	6.04	0.003446	±2.5	PASS
Band4	1513	4	VN	NT	6.19	0.003532	±2.5	PASS
Band4	1513	4	VH	NT	5.59	0.003190	±2.5	PASS

Temperature								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	1	NV	-30	1.97	0.001150	±2.5	PASS
Band4	1312	1	NV	-20	2.47	0.001442	±2.5	PASS
Band4	1312	1	NV	0	2.50	0.001460	±2.5	PASS
Band4	1312	1	NV	10	2.77	0.001618	±2.5	PASS
Band4	1312	1	NV	20	2.82	0.001647	±2.5	PASS
Band4	1312	1	NV	30	2.77	0.001618	±2.5	PASS
Band4	1312	1	NV	40	2.24	0.001308	±2.5	PASS

Band4	1312	1	NV	50	2.35	0.001372	±2.5	PASS
Band4	1312	1	NV	55	3.28	0.001915	±2.5	PASS
Band4	1312	2	NV	-30	2.90	0.001694	±2.5	PASS
Band4	1312	2	NV	-20	3.13	0.001828	±2.5	PASS
Band4	1312	2	NV	0	3.21	0.001875	±2.5	PASS
Band4	1312	2	NV	10	3.36	0.001962	±2.5	PASS
Band4	1312	2	NV	20	2.93	0.001711	±2.5	PASS
Band4	1312	2	NV	30	3.56	0.002079	±2.5	PASS
Band4	1312	2	NV	40	3.14	0.001834	±2.5	PASS
Band4	1312	2	NV	50	3.35	0.001956	±2.5	PASS
Band4	1312	2	NV	55	3.92	0.002289	±2.5	PASS
Band4	1312	3	NV	-30	3.78	0.002207	±2.5	PASS
Band4	1312	3	NV	-20	4.60	0.002686	±2.5	PASS
Band4	1312	3	NV	0	3.68	0.002149	±2.5	PASS
Band4	1312	3	NV	10	4.27	0.002494	±2.5	PASS
Band4	1312	3	NV	20	4.05	0.002365	±2.5	PASS
Band4	1312	3	NV	30	4.01	0.002342	±2.5	PASS
Band4	1312	3	NV	40	4.81	0.002809	±2.5	PASS
Band4	1312	3	NV	50	4.26	0.002488	±2.5	PASS
Band4	1312	3	NV	55	5.31	0.003101	±2.5	PASS
Band4	1312	4	NV	-30	4.48	0.002616	±2.5	PASS
Band4	1312	4	NV	-20	4.59	0.002680	±2.5	PASS
Band4	1312	4	NV	0	3.98	0.002324	±2.5	PASS
Band4	1312	4	NV	10	4.91	0.002867	±2.5	PASS
Band4	1312	4	NV	20	4.97	0.002902	±2.5	PASS
Band4	1312	4	NV	30	5.27	0.003078	±2.5	PASS
Band4	1312	4	NV	40	4.41	0.002575	±2.5	PASS
Band4	1312	4	NV	50	5.41	0.003159	±2.5	PASS
Band4	1312	4	NV	55	4.18	0.002441	±2.5	PASS
Band4	1413	1	NV	-30	5.34	0.003082	±2.5	PASS
Band4	1413	1	NV	-20	4.61	0.002661	±2.5	PASS
Band4	1413	1	NV	0	5.50	0.003174	±2.5	PASS
Band4	1413	1	NV	10	5.04	0.002909	±2.5	PASS
Band4	1413	1	NV	20	4.52	0.002609	±2.5	PASS
Band4	1413	1	NV	30	4.95	0.002857	±2.5	PASS
Band4	1413	1	NV	40	4.95	0.002857	±2.5	PASS
Band4	1413	1	NV	50	4.91	0.002834	±2.5	PASS
Band4	1413	1	NV	55	4.26	0.002459	±2.5	PASS
Band4	1413	2	NV	-30	5.04	0.002909	±2.5	PASS
Band4	1413	2	NV	-20	4.53	0.002615	±2.5	PASS
Band4	1413	2	NV	0	5.03	0.002903	±2.5	PASS
Band4	1413	2	NV	10	4.56	0.002632	±2.5	PASS
Band4	1413	2	NV	20	5.08	0.002932	±2.5	PASS
Band4	1413	2	NV	30	4.79	0.002765	±2.5	PASS
Band4	1413	2	NV	40	5.53	0.003192	±2.5	PASS
Band4	1413	2	NV	50	5.47	0.003157	±2.5	PASS
Band4	1413	2	NV	55	4.61	0.002661	±2.5	PASS
Band4	1413	3	NV	-30	4.46	0.002574	±2.5	PASS
Band4	1413	3	NV	-20	5.25	0.003030	±2.5	PASS
Band4	1413	3	NV	0	4.82	0.002782	±2.5	PASS

Band4	1413	3	NV	10	4.64	0.002678	±2.5	PASS
Band4	1413	3	NV	20	5.05	0.002915	±2.5	PASS
Band4	1413	3	NV	30	5.04	0.002909	±2.5	PASS
Band4	1413	3	NV	40	5.64	0.003255	±2.5	PASS
Band4	1413	3	NV	50	4.29	0.002476	±2.5	PASS
Band4	1413	3	NV	55	4.35	0.002511	±2.5	PASS
Band4	1413	4	NV	-30	4.83	0.002788	±2.5	PASS
Band4	1413	4	NV	-20	4.66	0.002690	±2.5	PASS
Band4	1413	4	NV	0	5.18	0.002990	±2.5	PASS
Band4	1413	4	NV	10	4.66	0.002690	±2.5	PASS
Band4	1413	4	NV	20	4.58	0.002643	±2.5	PASS
Band4	1413	4	NV	30	4.48	0.002586	±2.5	PASS
Band4	1413	4	NV	40	4.41	0.002545	±2.5	PASS
Band4	1413	4	NV	50	4.64	0.002678	±2.5	PASS
Band4	1413	4	NV	55	5.94	0.003428	±2.5	PASS
Band4	1513	1	NV	-30	4.94	0.002819	±2.5	PASS
Band4	1513	1	NV	-20	5.19	0.002961	±2.5	PASS
Band4	1513	1	NV	0	5.01	0.002859	±2.5	PASS
Band4	1513	1	NV	10	5.68	0.003241	±2.5	PASS
Band4	1513	1	NV	20	4.84	0.002762	±2.5	PASS
Band4	1513	1	NV	30	5.24	0.002990	±2.5	PASS
Band4	1513	1	NV	40	5.27	0.003007	±2.5	PASS
Band4	1513	1	NV	50	5.72	0.003264	±2.5	PASS
Band4	1513	1	NV	55	5.01	0.002859	±2.5	PASS
Band4	1513	2	NV	-30	6.10	0.003481	±2.5	PASS
Band4	1513	2	NV	-20	5.64	0.003218	±2.5	PASS
Band4	1513	2	NV	0	5.44	0.003104	±2.5	PASS
Band4	1513	2	NV	10	5.44	0.003104	±2.5	PASS
Band4	1513	2	NV	20	5.83	0.003326	±2.5	PASS
Band4	1513	2	NV	30	5.81	0.003315	±2.5	PASS
Band4	1513	2	NV	40	5.11	0.002916	±2.5	PASS
Band4	1513	2	NV	50	5.13	0.002927	±2.5	PASS
Band4	1513	2	NV	55	5.56	0.003172	±2.5	PASS
Band4	1513	3	NV	-30	6.16	0.003515	±2.5	PASS
Band4	1513	3	NV	-20	5.58	0.003184	±2.5	PASS
Band4	1513	3	NV	0	5.58	0.003184	±2.5	PASS
Band4	1513	3	NV	10	5.56	0.003172	±2.5	PASS
Band4	1513	3	NV	20	5.41	0.003087	±2.5	PASS
Band4	1513	3	NV	30	5.53	0.003155	±2.5	PASS
Band4	1513	3	NV	40	5.69	0.003247	±2.5	PASS
Band4	1513	3	NV	50	5.51	0.003144	±2.5	PASS
Band4	1513	3	NV	55	6.35	0.003623	±2.5	PASS
Band4	1513	4	NV	-30	5.72	0.003264	±2.5	PASS
Band4	1513	4	NV	-20	6.24	0.003560	±2.5	PASS
Band4	1513	4	NV	0	5.89	0.003361	±2.5	PASS
Band4	1513	4	NV	10	5.66	0.003229	±2.5	PASS
Band4	1513	4	NV	20	6.24	0.003560	±2.5	PASS
Band4	1513	4	NV	30	5.77	0.003292	±2.5	PASS
Band4	1513	4	NV	40	5.90	0.003366	±2.5	PASS
Band4	1513	4	NV	50	5.97	0.003406	±2.5	PASS

Band4	1513	4	NV	55	4.88	0.002784	±2.5	PASS