

AppendixA: Conducted Output Power

Test Result

Band	Channel	Conducted Output Power (dBm)	Limit(dBm)	Verdict
Band4	1312	20.88	30	PASS
Band4	1413	21.20	30	PASS
Band4	1513	20.70	30	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band4	1312	1	21.12	30	PASS
Band4	1312	2	21.15	30	PASS
Band4	1312	3	21.12	30	PASS
Band4	1312	4	21.14	30	PASS
Band4	1413	1	22.14	30	PASS
Band4	1413	2	22.14	30	PASS
Band4	1413	3	22.10	30	PASS
Band4	1413	4	22.11	30	PASS
Band4	1513	1	20.94	30	PASS
Band4	1513	2	21.06	30	PASS
Band4	1513	3	21.03	30	PASS
Band4	1513	4	21.03	30	PASS

Band	Channel	SubTest	Power(dBm)	Limit(dBm)	Verdict
Band4	1312	1	20.55	30	PASS
Band4	1312	2	20.83	30	PASS
Band4	1312	3	21.23	30	PASS
Band4	1312	4	21.36	30	PASS
Band4	1312	5	21.24	30	PASS
Band4	1413	1	21.72	30	PASS
Band4	1413	2	21.70	30	PASS
Band4	1413	3	21.73	30	PASS
Band4	1413	4	21.96	30	PASS
Band4	1413	5	22.17	30	PASS
Band4	1513	1	20.45	30	PASS
Band4	1513	2	20.75	30	PASS
Band4	1513	3	20.73	30	PASS
Band4	1513	4	21.03	30	PASS
Band4	1513	5	21.07	30	PASS

AppendixB:Peak-to-Average Ratio

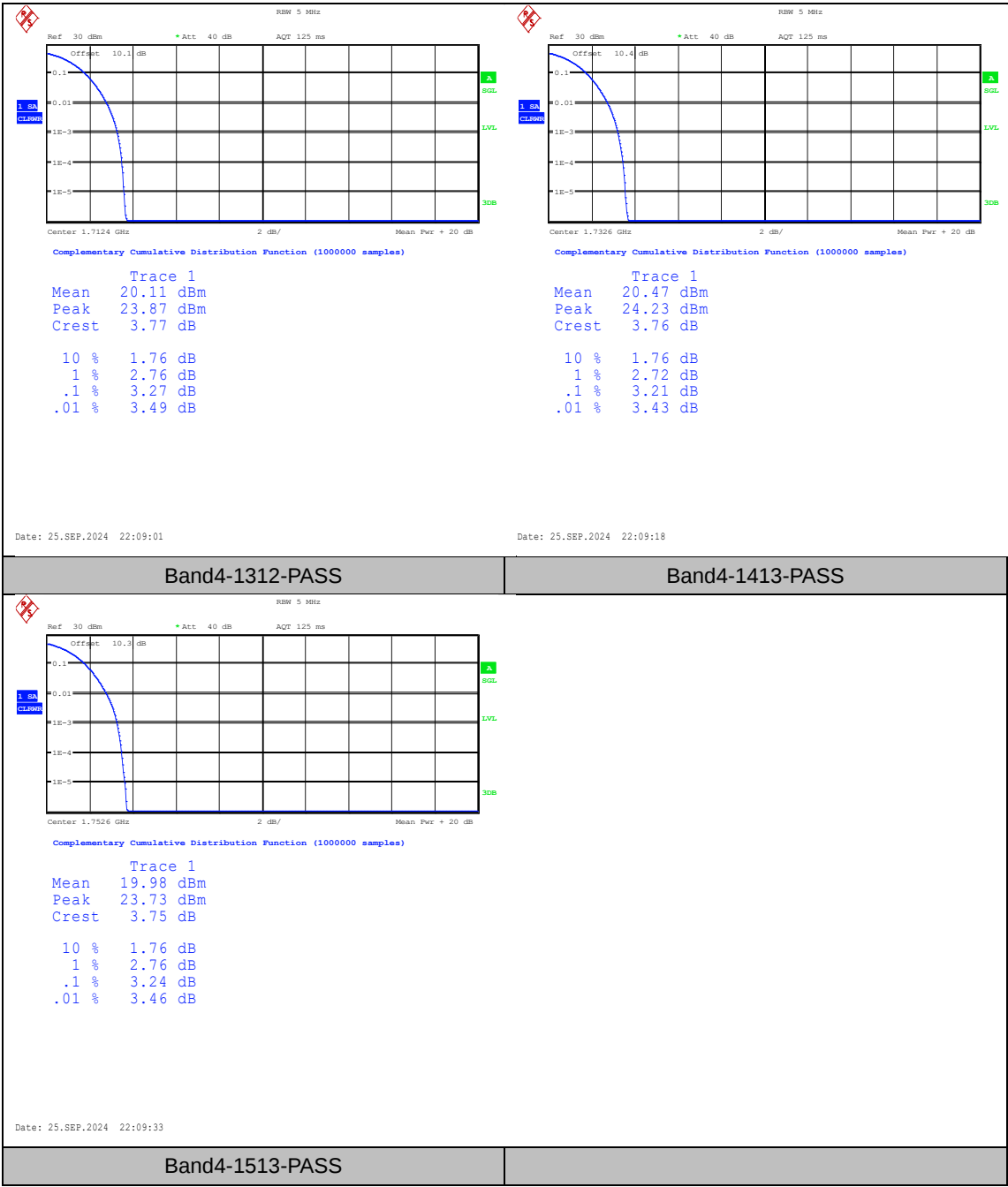
Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band4	1312	3.27	13	PASS
Band4	1413	3.21	13	PASS
Band4	1513	3.24	13	PASS

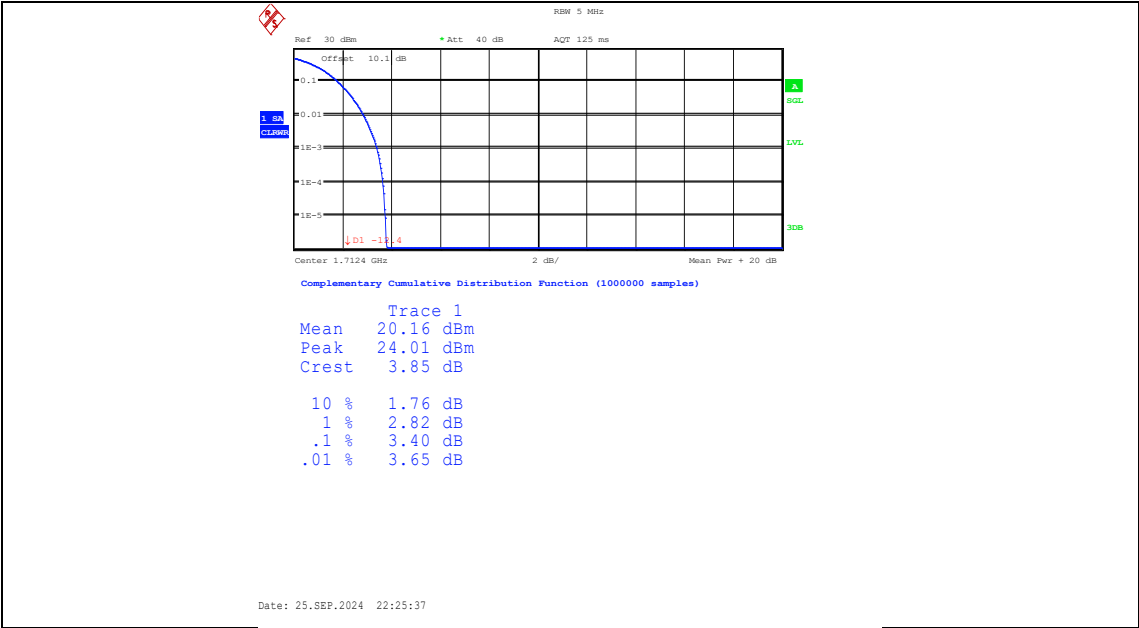
Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band4	1312	1	3.4	13	PASS
Band4	1312	2	3.81	13	PASS
Band4	1312	3	4.04	13	PASS
Band4	1312	4	4.07	13	PASS
Band4	1413	1	3.3	13	PASS
Band4	1413	2	3.72	13	PASS
Band4	1413	3	3.91	13	PASS
Band4	1413	4	3.97	13	PASS
Band4	1513	1	3.4	13	PASS
Band4	1513	2	3.78	13	PASS
Band4	1513	3	4.01	13	PASS
Band4	1513	4	4.04	13	PASS

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band4	1312	1	4.49	13	PASS
Band4	1312	2	5.51	13	PASS
Band4	1312	3	5.1	13	PASS
Band4	1312	4	5.51	13	PASS
Band4	1312	5	4.42	13	PASS
Band4	1413	1	4.23	13	PASS
Band4	1413	2	5.22	13	PASS
Band4	1413	3	4.78	13	PASS
Band4	1413	4	5.13	13	PASS
Band4	1413	5	4.23	13	PASS
Band4	1513	1	4.46	13	PASS
Band4	1513	2	5.48	13	PASS
Band4	1513	3	5.1	13	PASS
Band4	1513	4	5.51	13	PASS
Band4	1513	5	4.42	13	PASS

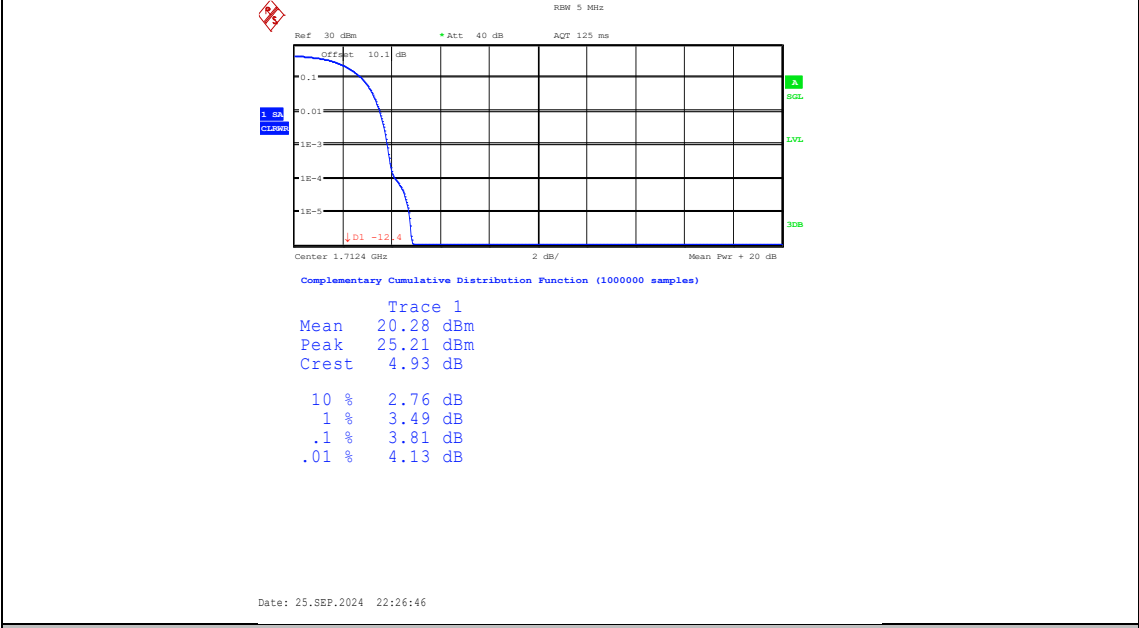
Test Graphs



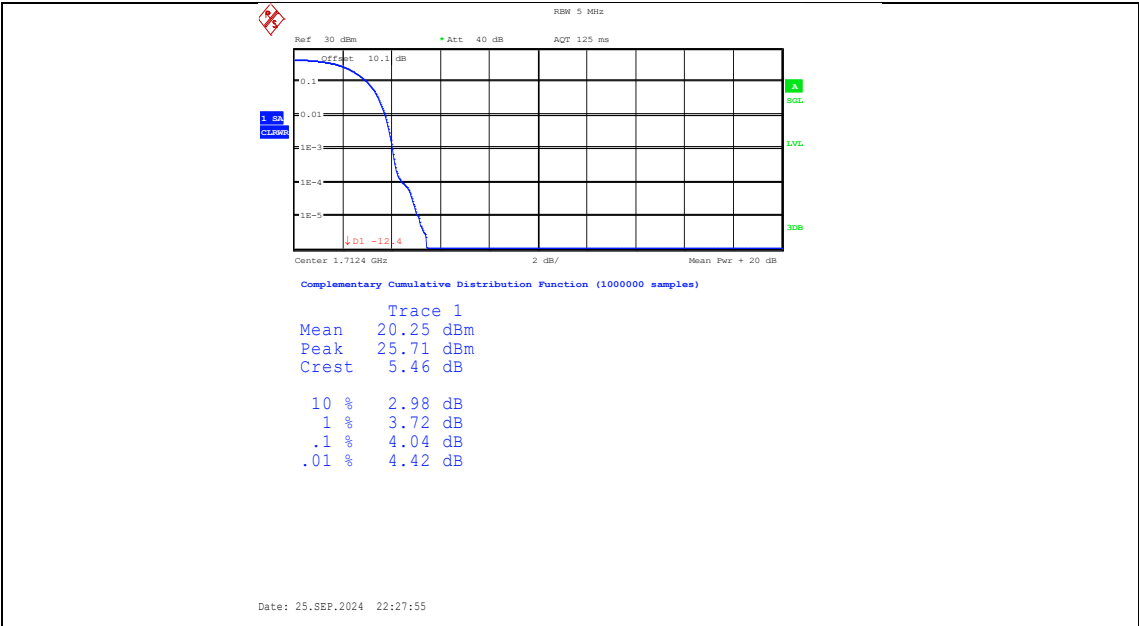
Band4-1513-PASS



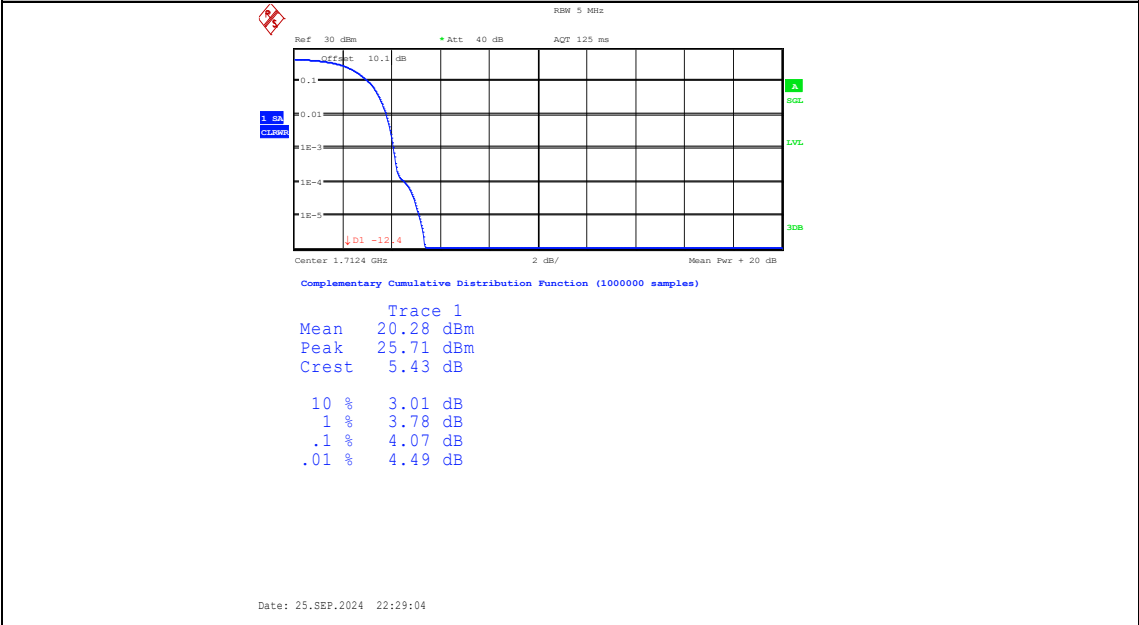
Band4-1312-1-PASS



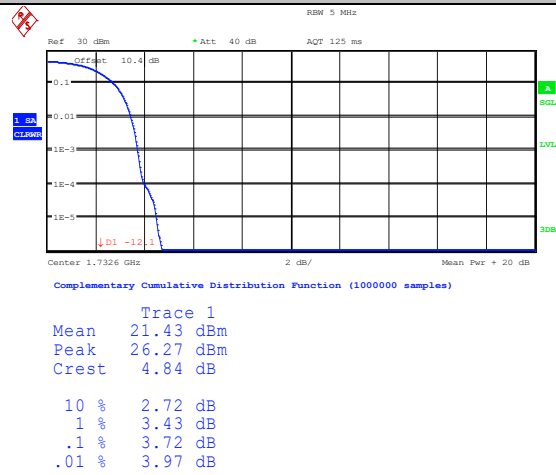
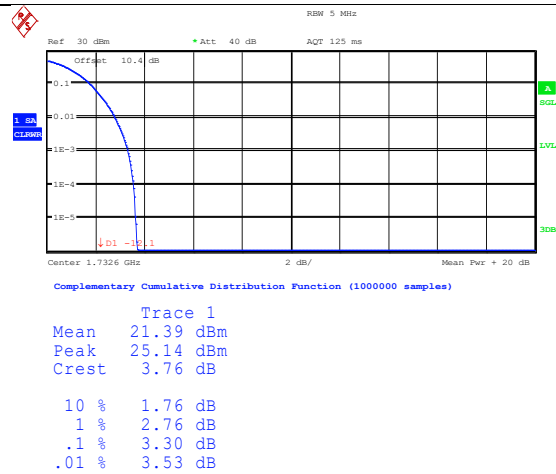
Band4-1312-2-PASS



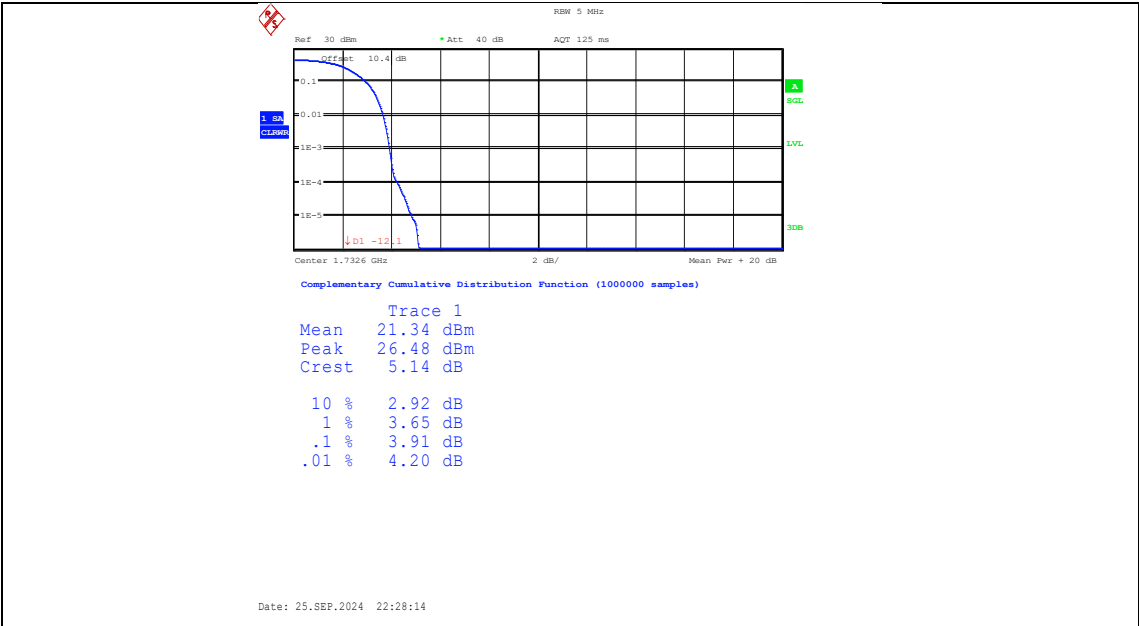
Band4-1312-3-PASS



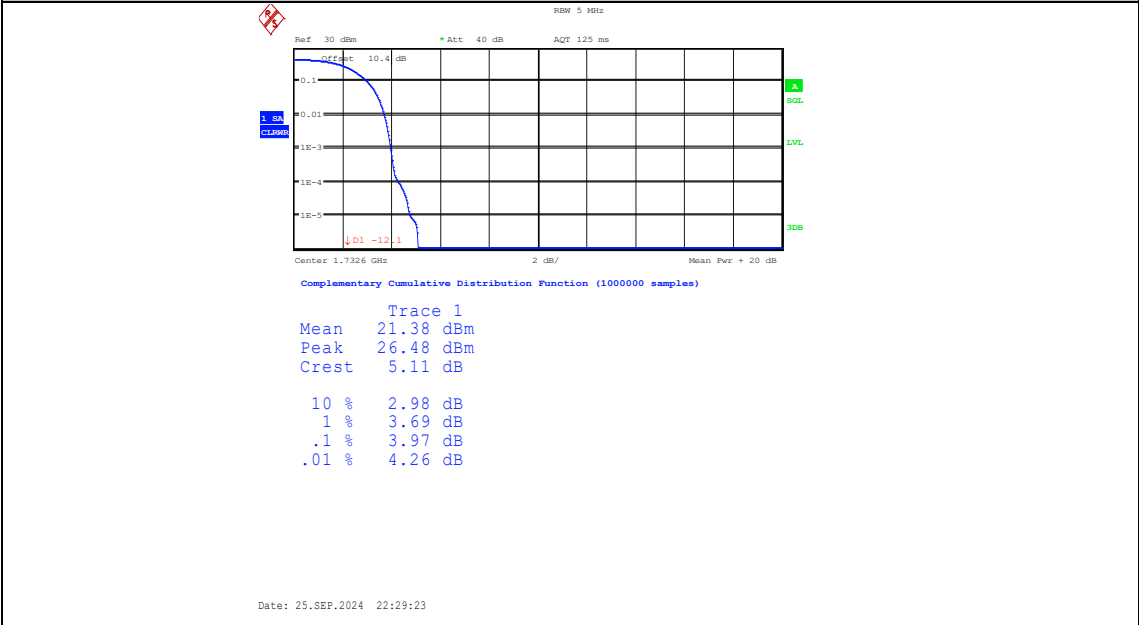
Band4-1312-4-PASS



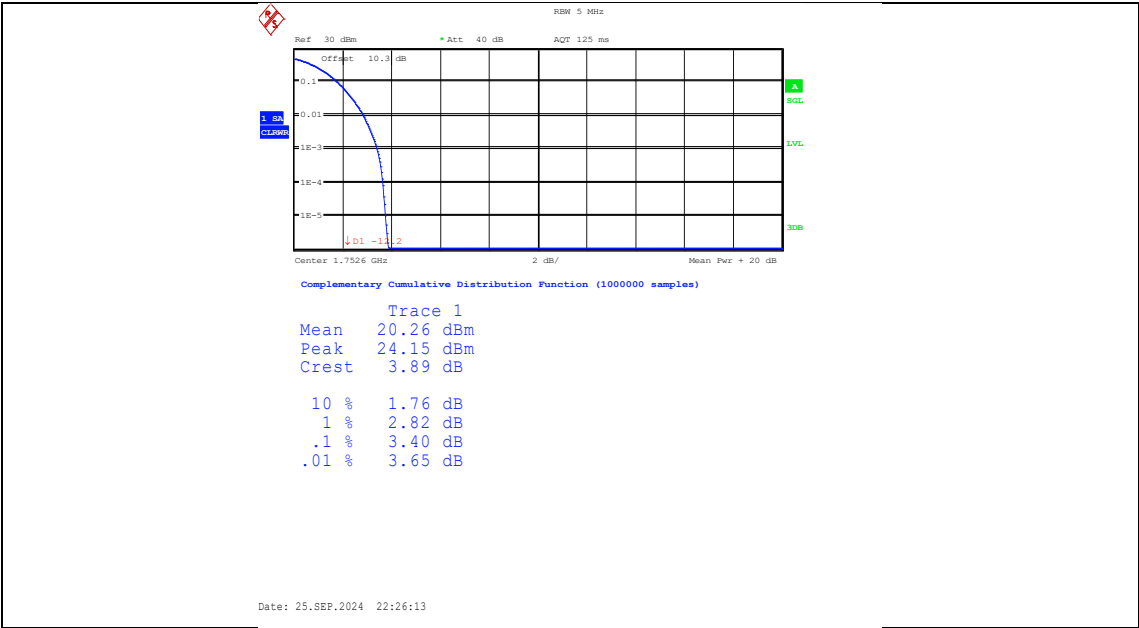
Band4-1413-2-PASS



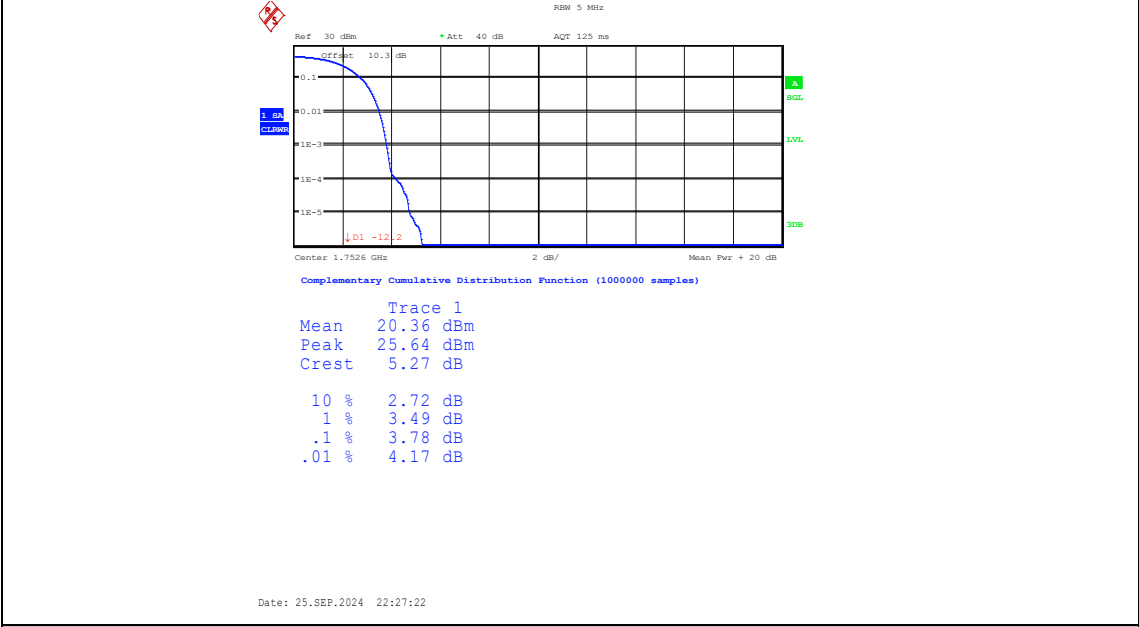
Band4-1413-3-PASS



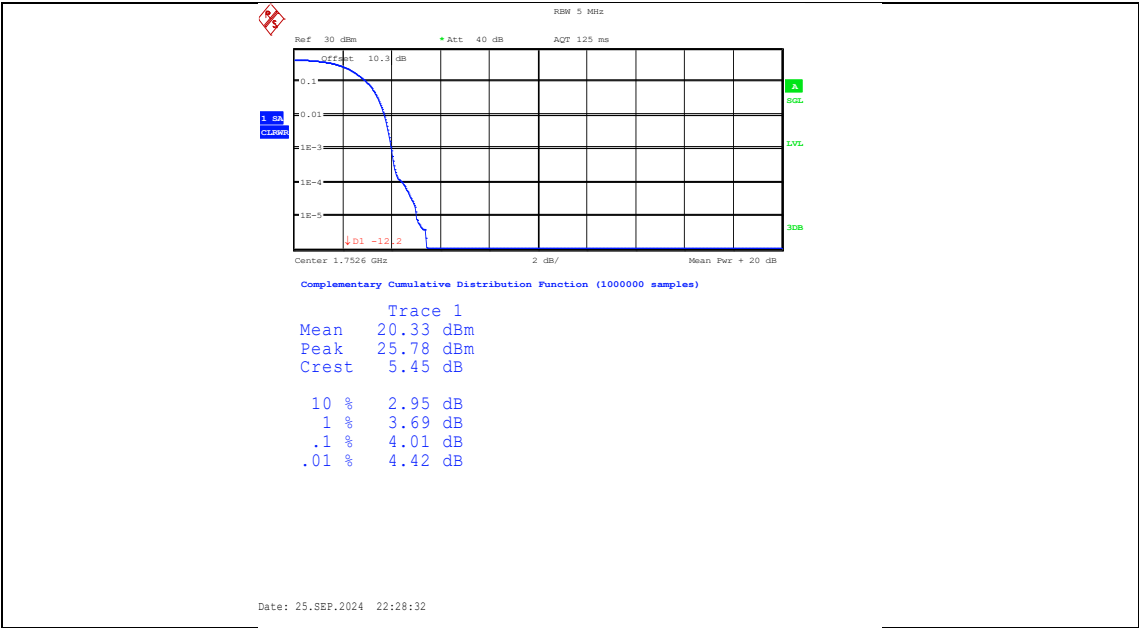
Band4-1413-4-PASS



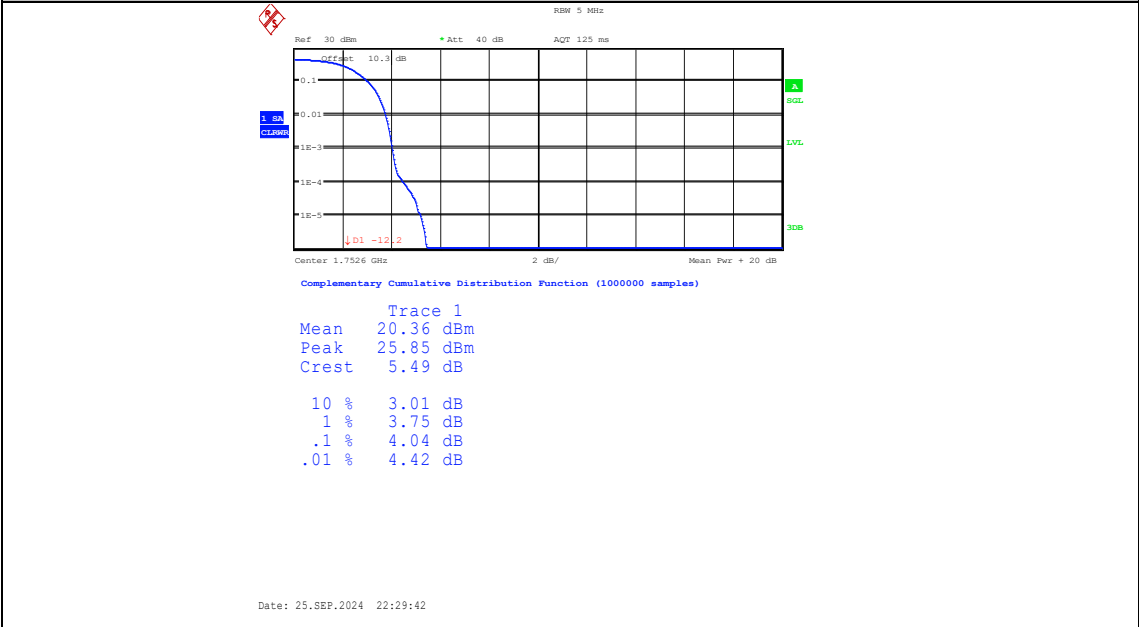
Band4-1513-1-PASS



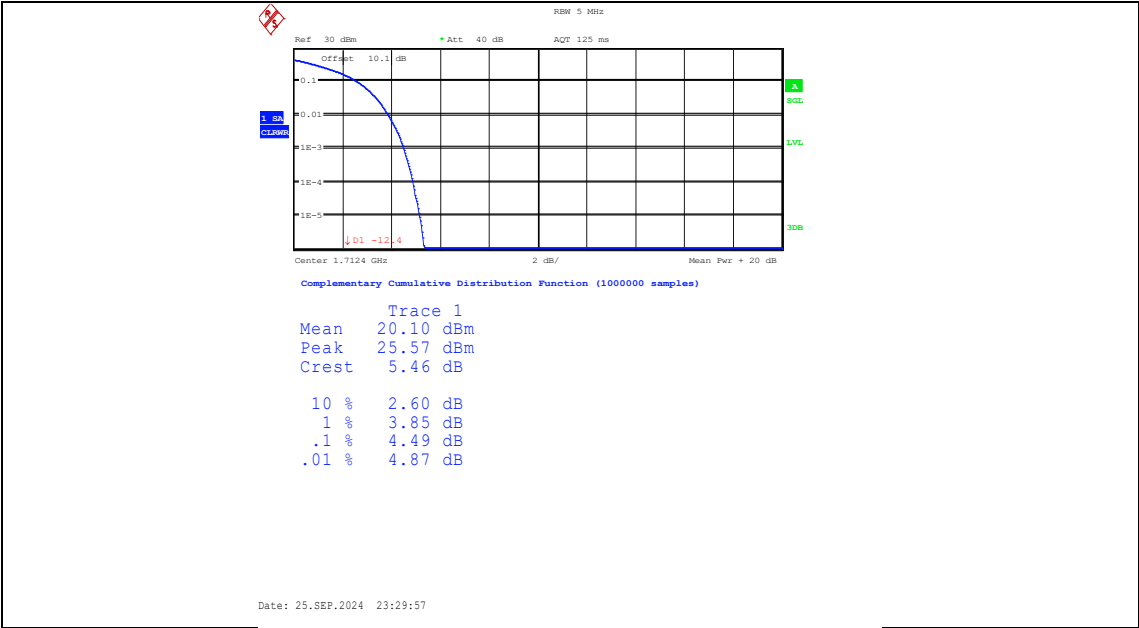
Band4-1513-2-PASS



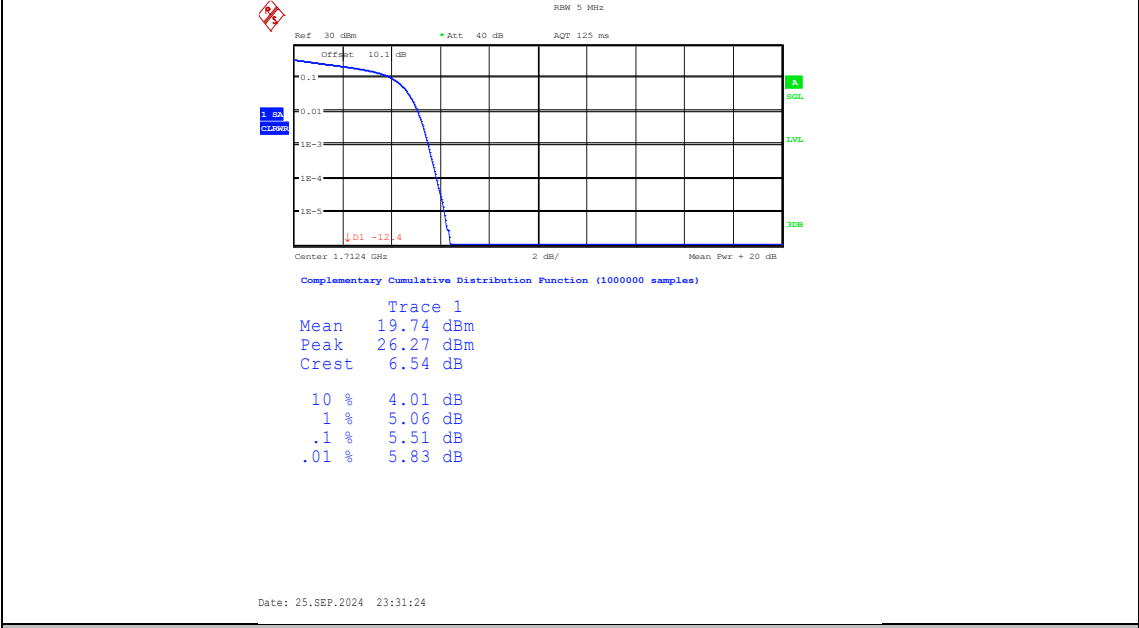
Band4-1513-3-PASS



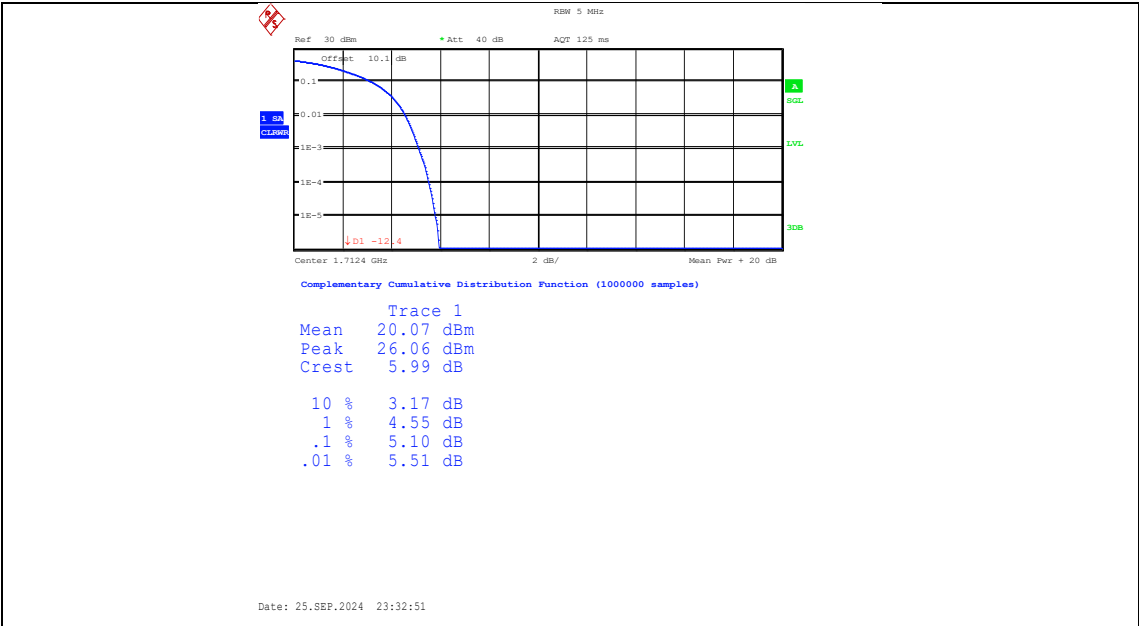
Band4-1513-4-PASS



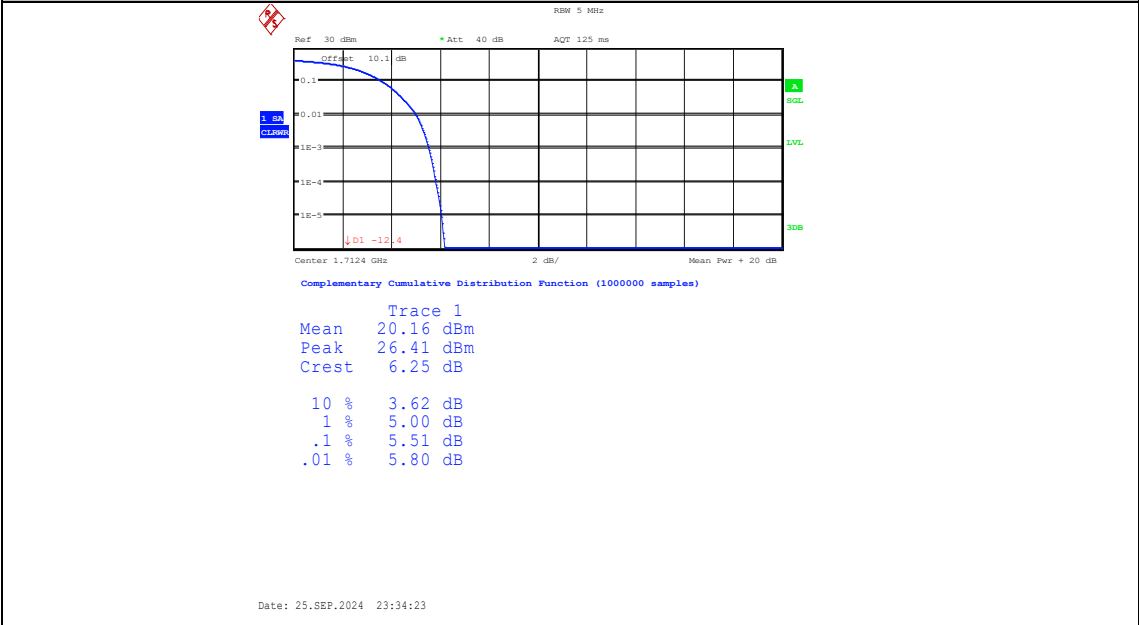
Band4-1312-1-PASS



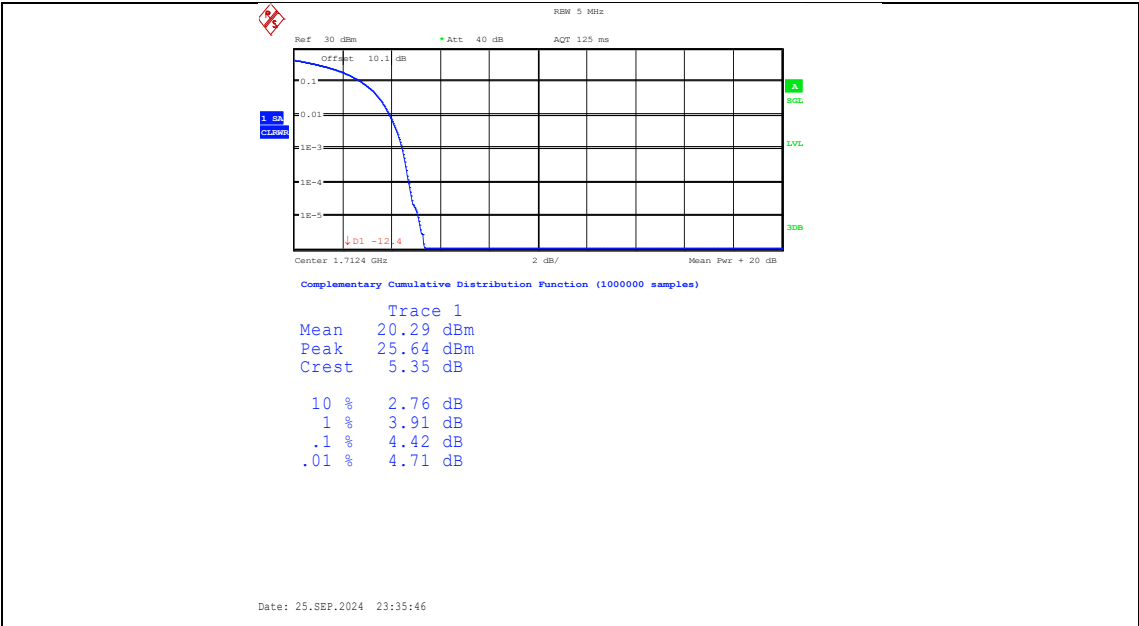
Band4-1312-2-PASS



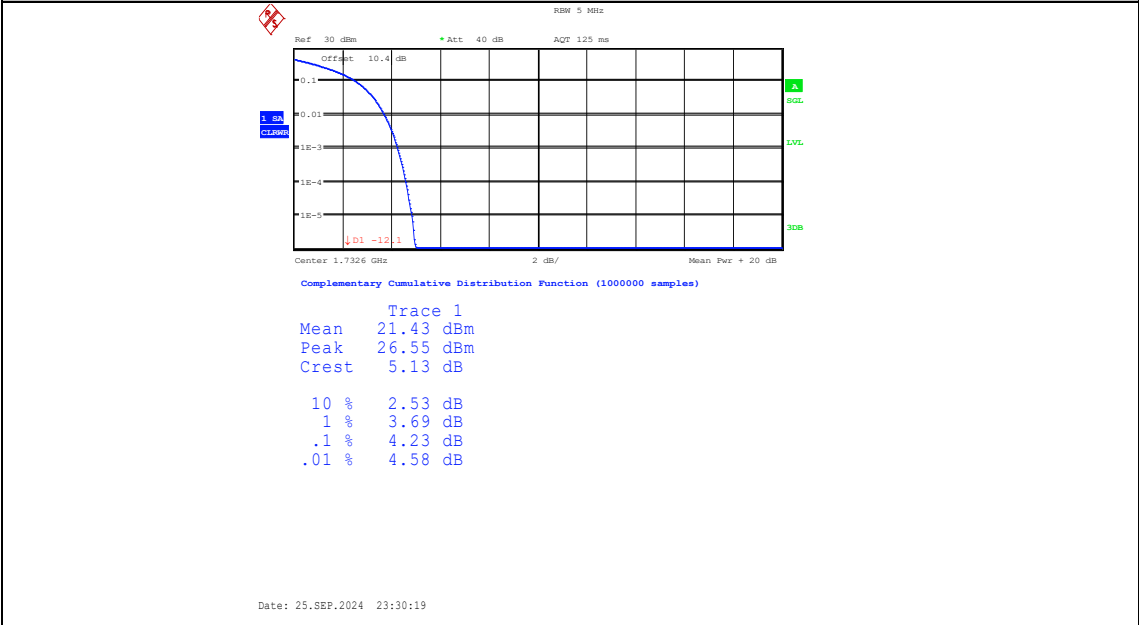
Band4-1312-3-PASS



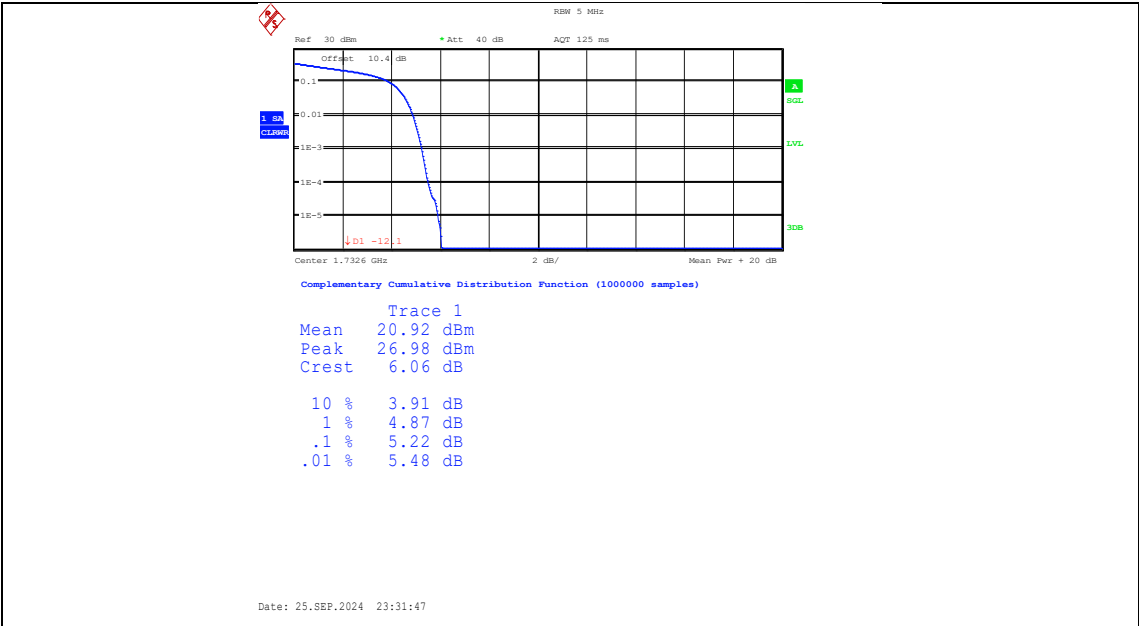
Band4-1312-4-PASS



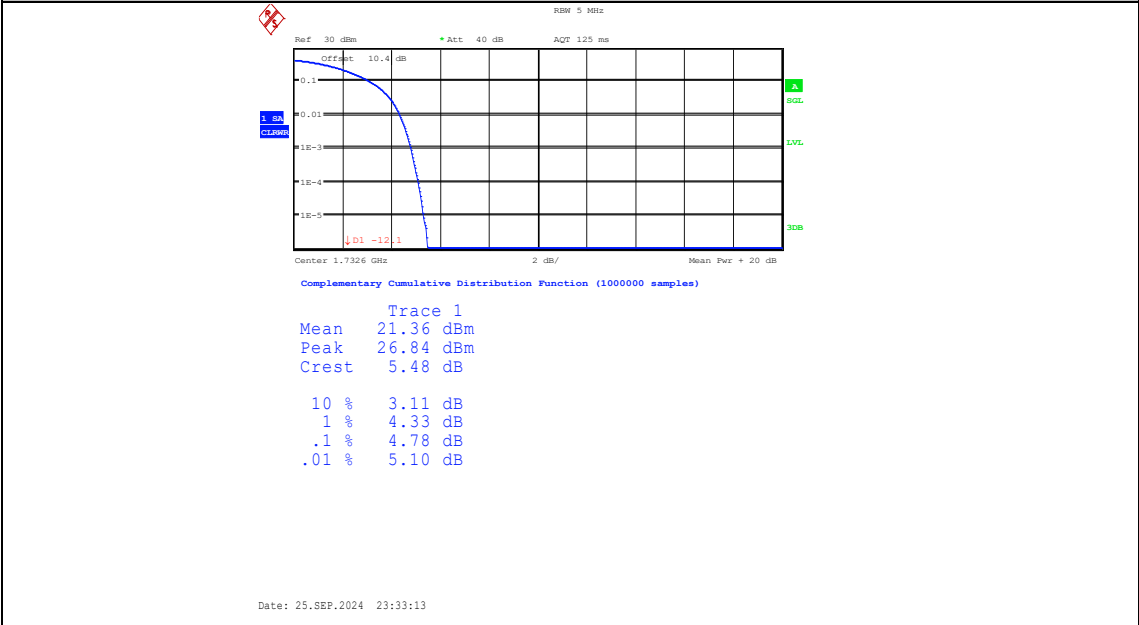
Band4-1312-5-PASS



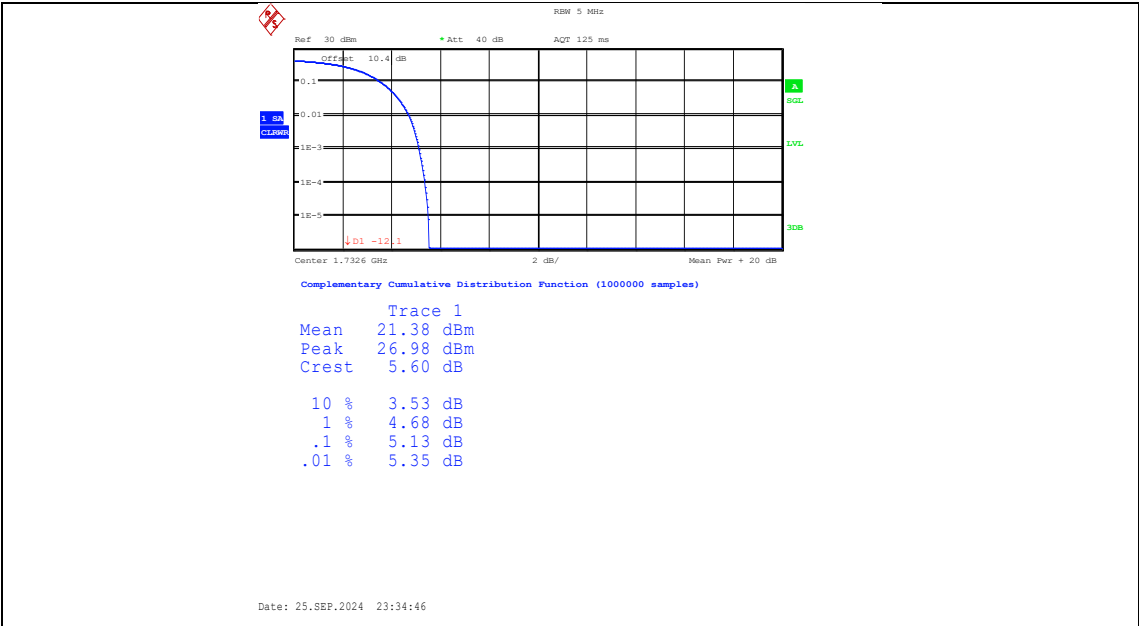
Band4-1413-1-PASS



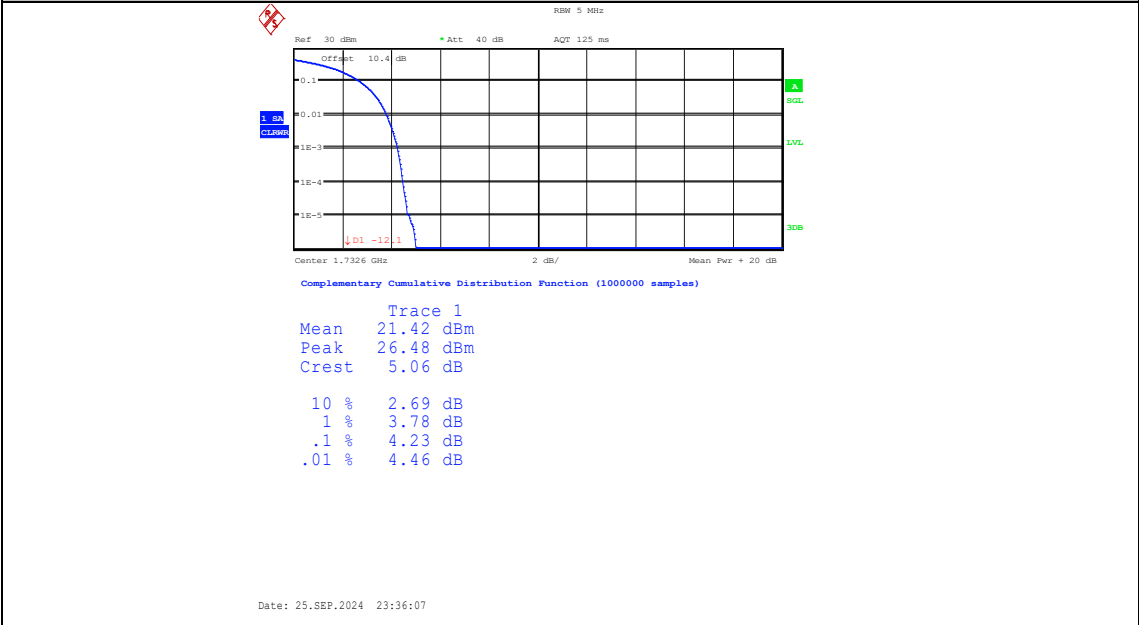
Band4-1413-2-PASS



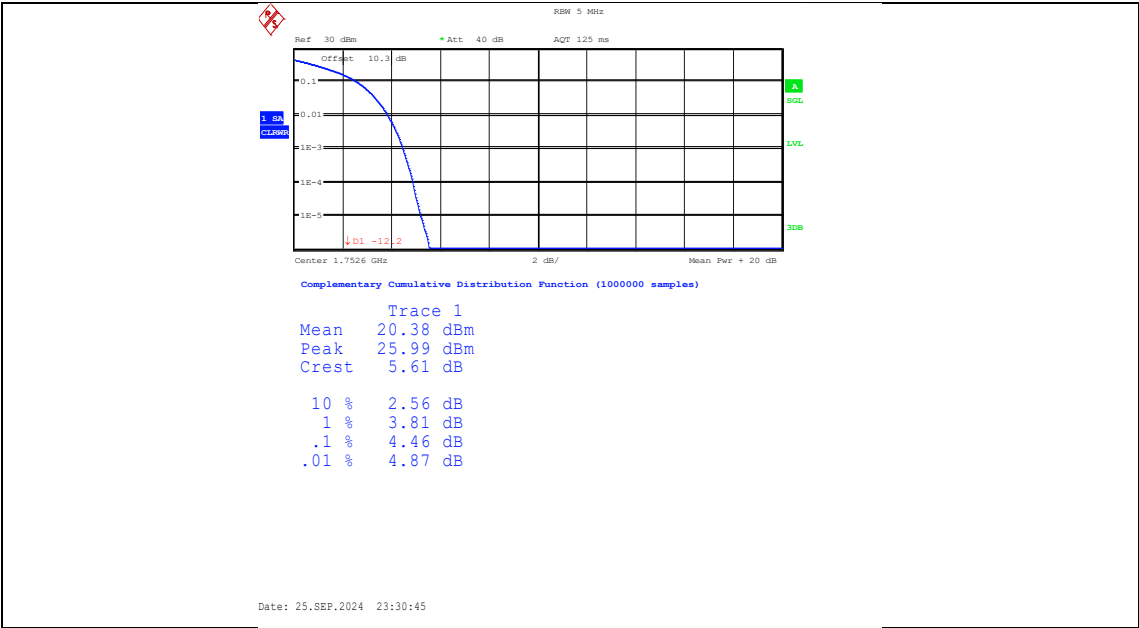
Band4-1413-3-PASS



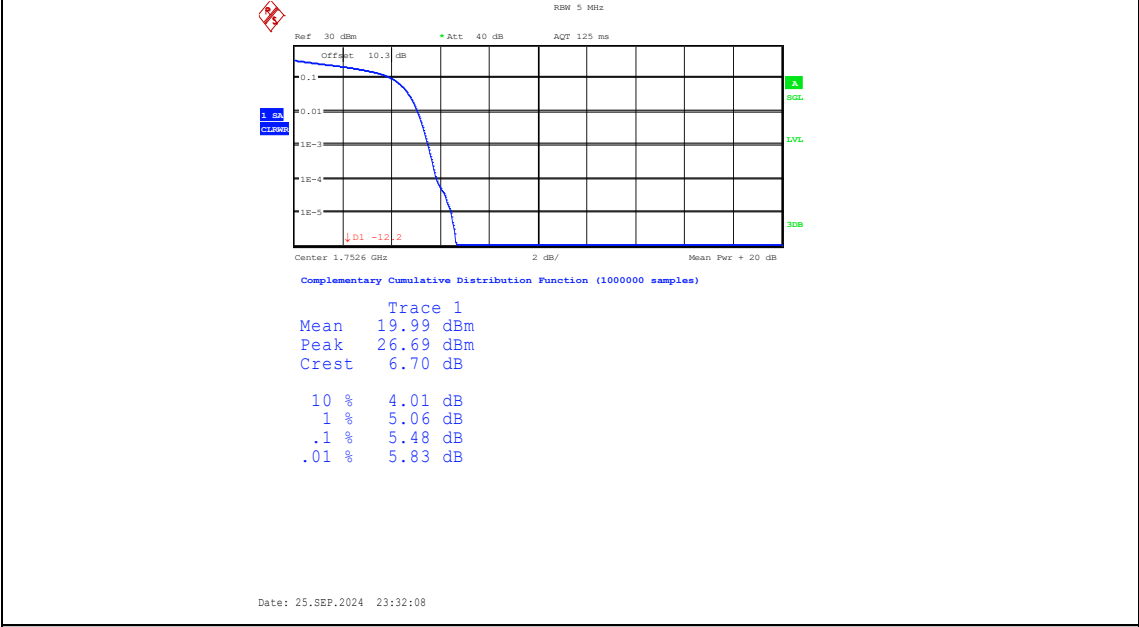
Band4-1413-4-PASS



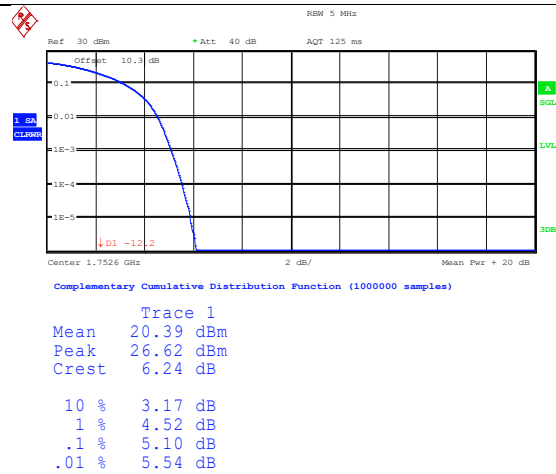
Band4-1413-5-PASS



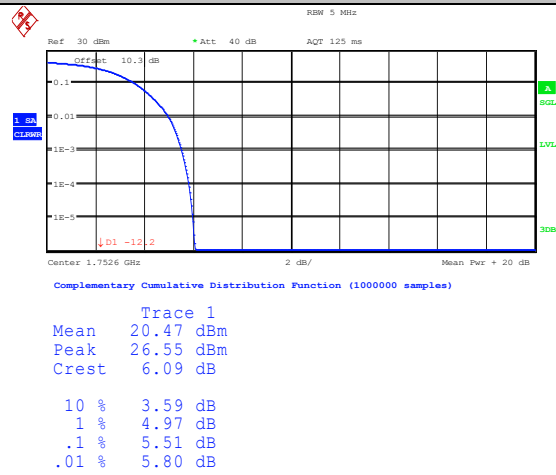
Band4-1513-1-PASS



Band4-1513-2-PASS



Band4-1513-3-PASS





Band4-1513-5-PASS

AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result

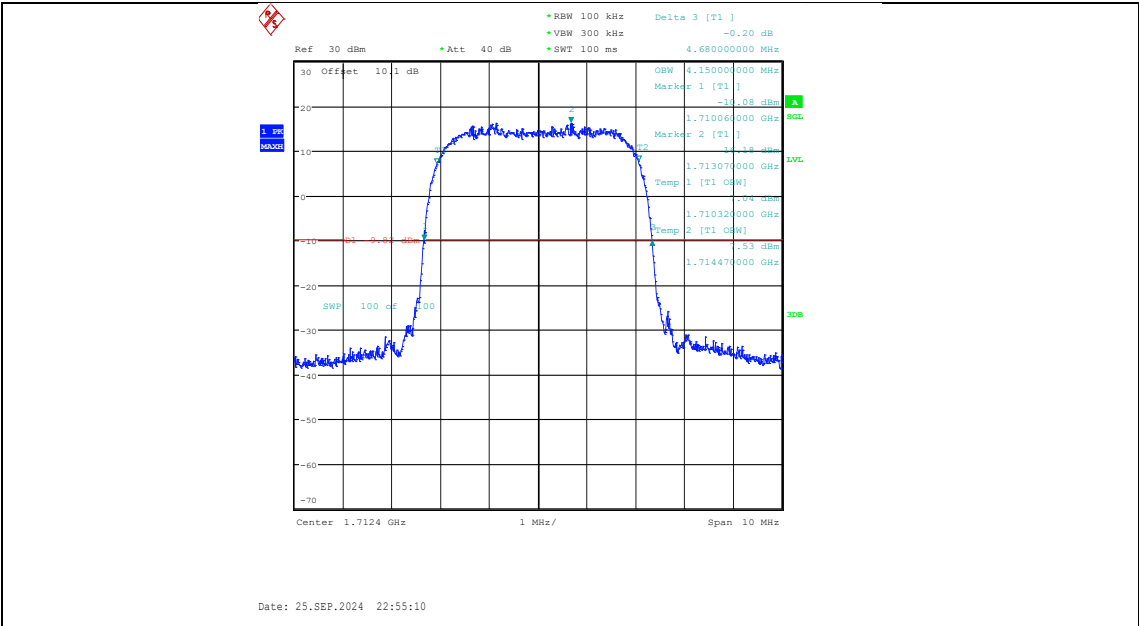
Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band4	1312	4.14	4.68	---	PASS
Band4	1413	4.15	4.68	---	PASS
Band4	1513	4.15	4.69	---	PASS

Band	Channel	SubTest	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band4	1312	1	4.15	4.68	---	PASS
Band4	1312	2	4.15	4.69	---	PASS
Band4	1312	3	4.15	4.69	---	PASS
Band4	1312	4	4.15	4.69	---	PASS
Band4	1413	1	4.14	4.70	---	PASS
Band4	1413	2	4.15	4.70	---	PASS
Band4	1413	3	4.15	4.68	---	PASS
Band4	1413	4	4.14	4.69	---	PASS
Band4	1513	1	4.15	4.71	---	PASS
Band4	1513	2	4.15	4.68	---	PASS
Band4	1513	3	4.15	4.68	---	PASS
Band4	1513	4	4.16	4.69	---	PASS

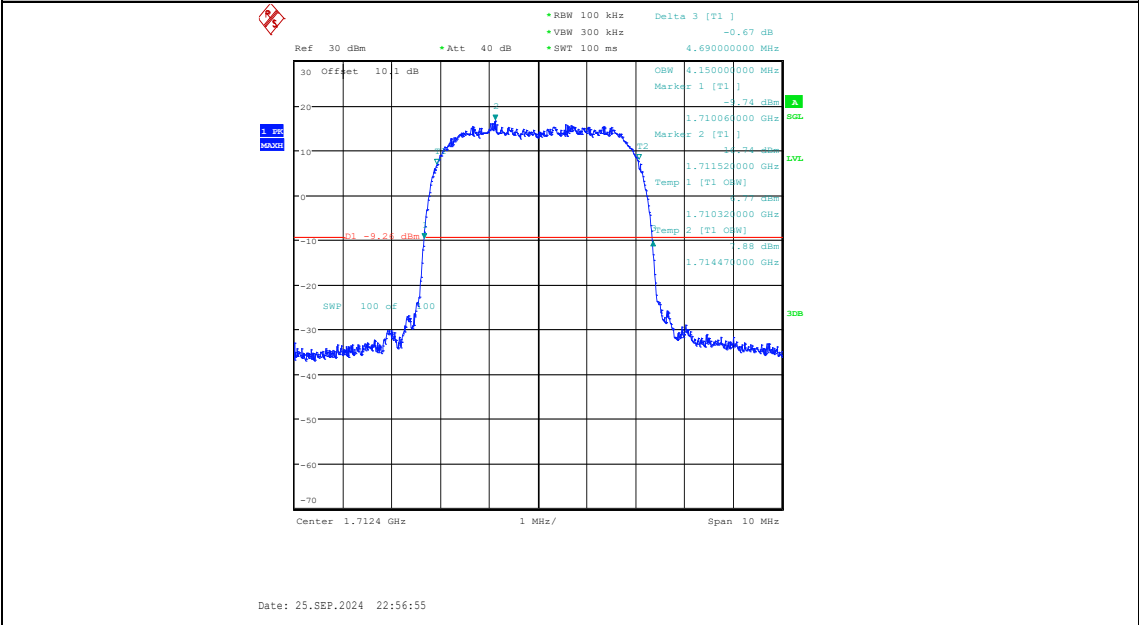
Band	Channel	SubTest	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band4	1312	1	4.17	4.70	---	PASS
Band4	1312	2	4.18	4.70	---	PASS
Band4	1312	3	4.16	4.69	---	PASS
Band4	1312	4	4.17	4.69	---	PASS
Band4	1312	5	4.16	4.71	---	PASS
Band4	1413	1	4.17	4.71	---	PASS
Band4	1413	2	4.17	4.69	---	PASS
Band4	1413	3	4.16	4.69	---	PASS
Band4	1413	4	4.17	4.70	---	PASS
Band4	1413	5	4.16	4.70	---	PASS
Band4	1513	1	4.17	4.70	---	PASS

Band4	1513	2	4.17	4.69	---	PASS
Band4	1513	3	4.18	4.70	---	PASS
Band4	1513	4	4.18	4.70	---	PASS
Band4	1513	5	4.15	4.69	---	PASS

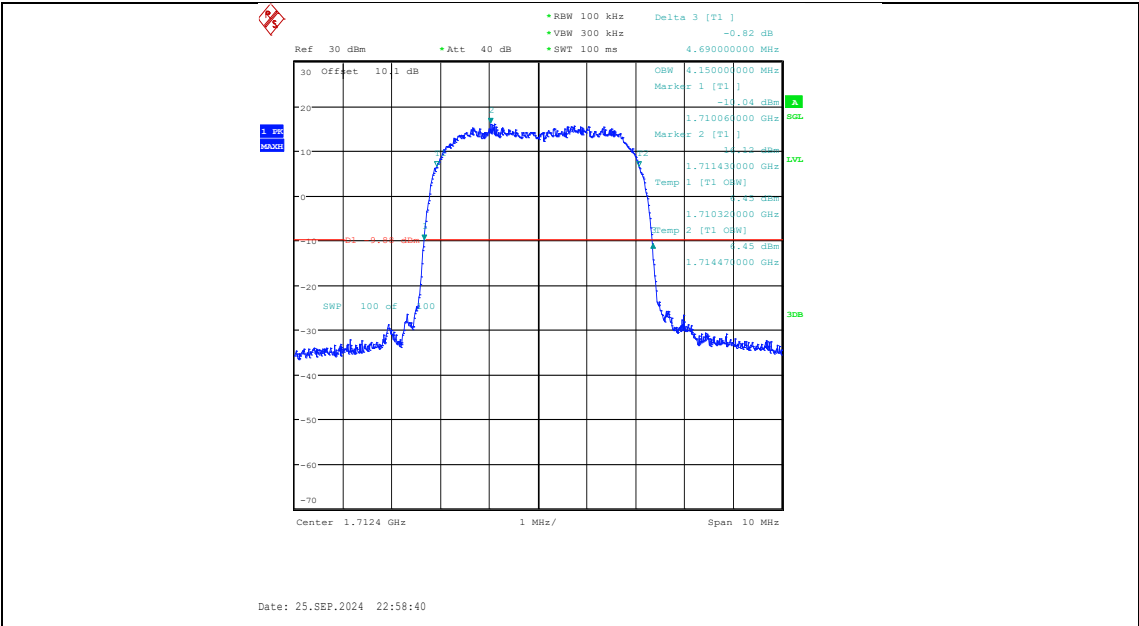
[illegible]



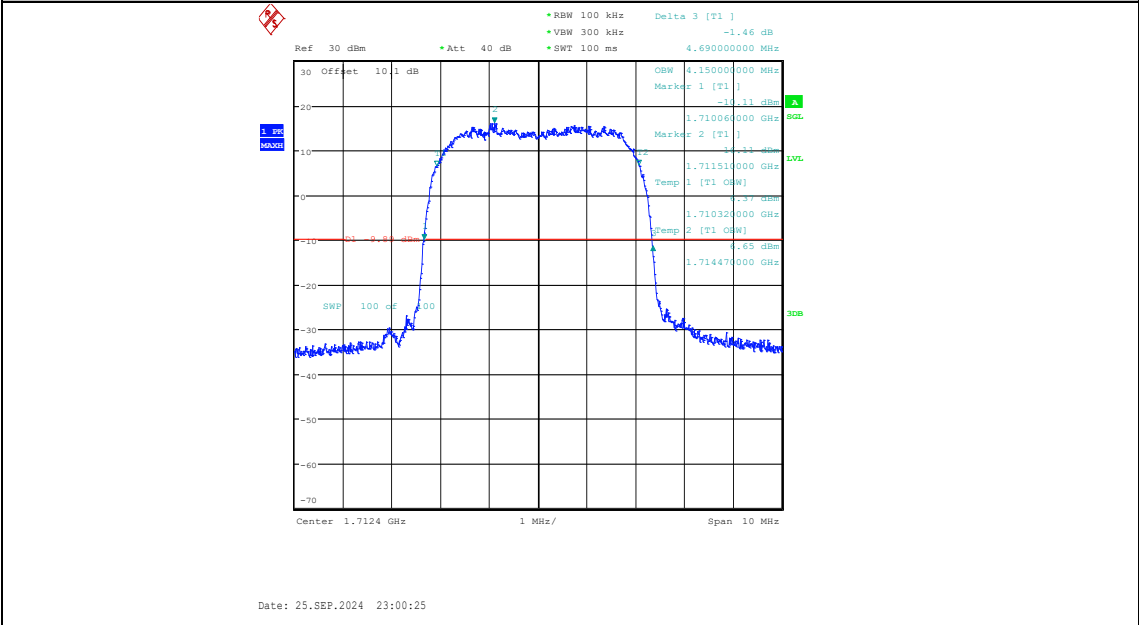
Band4-1312-1-PASS



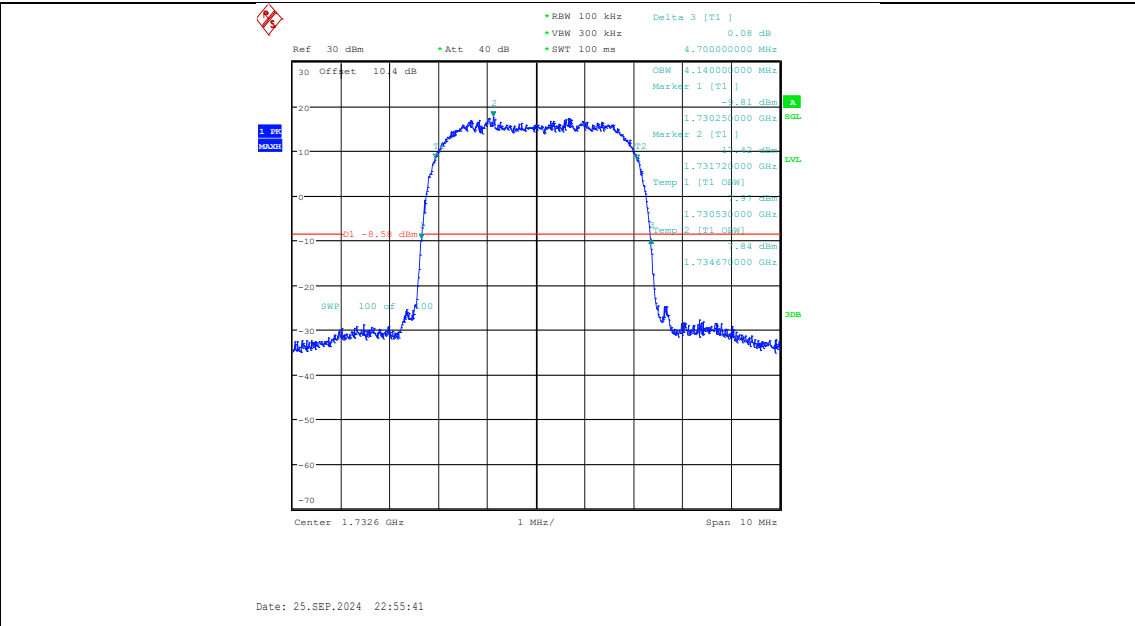
Band4-1312-2-PASS



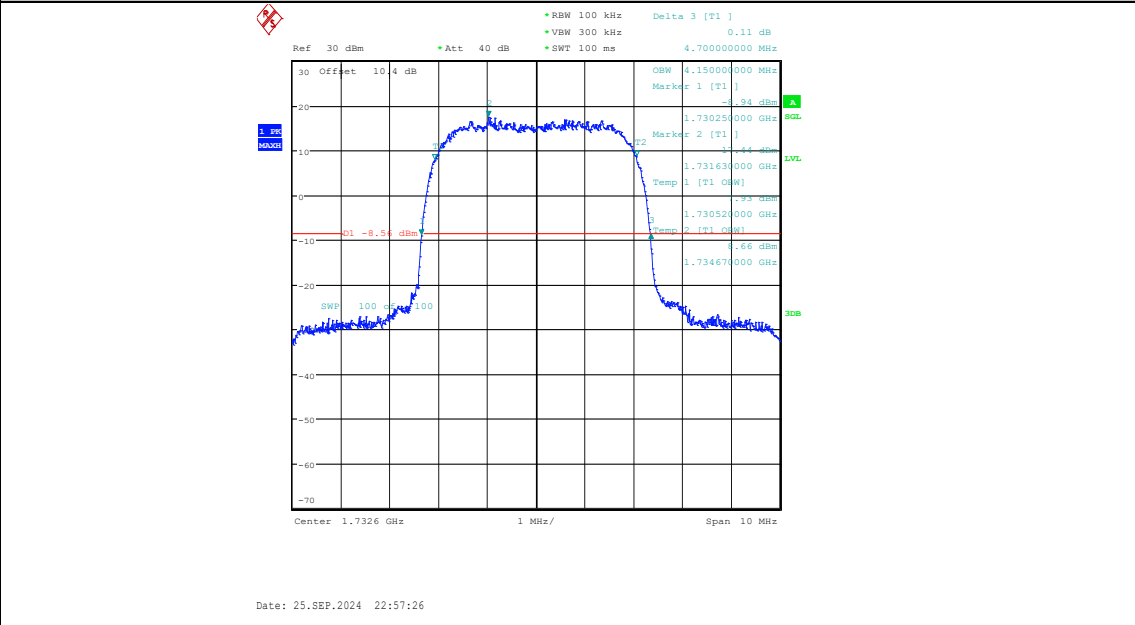
Band4-1312-3-PASS



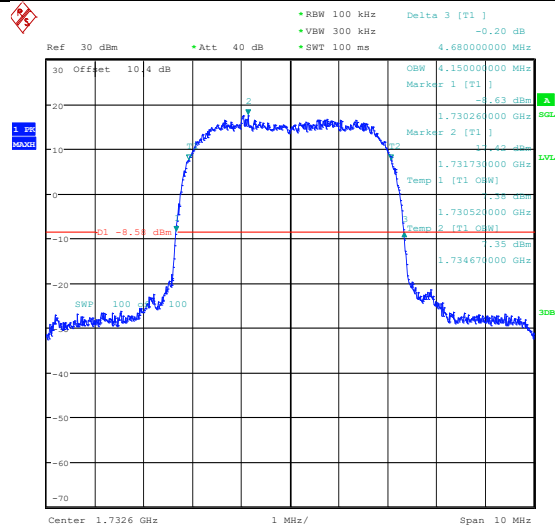
Band4-1312-4-PASS



Band4-1413-1-PASS

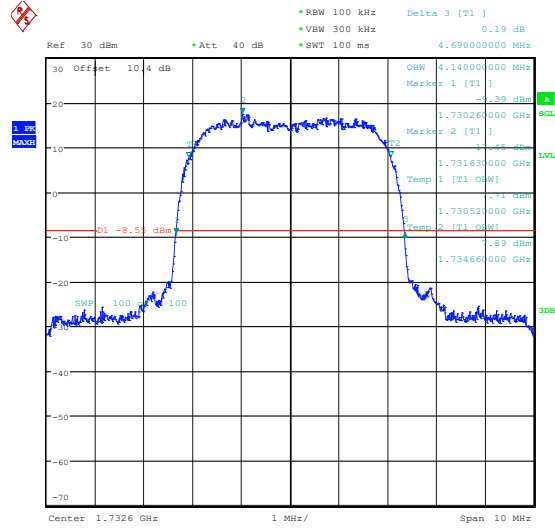


Band4-1413-2-PASS



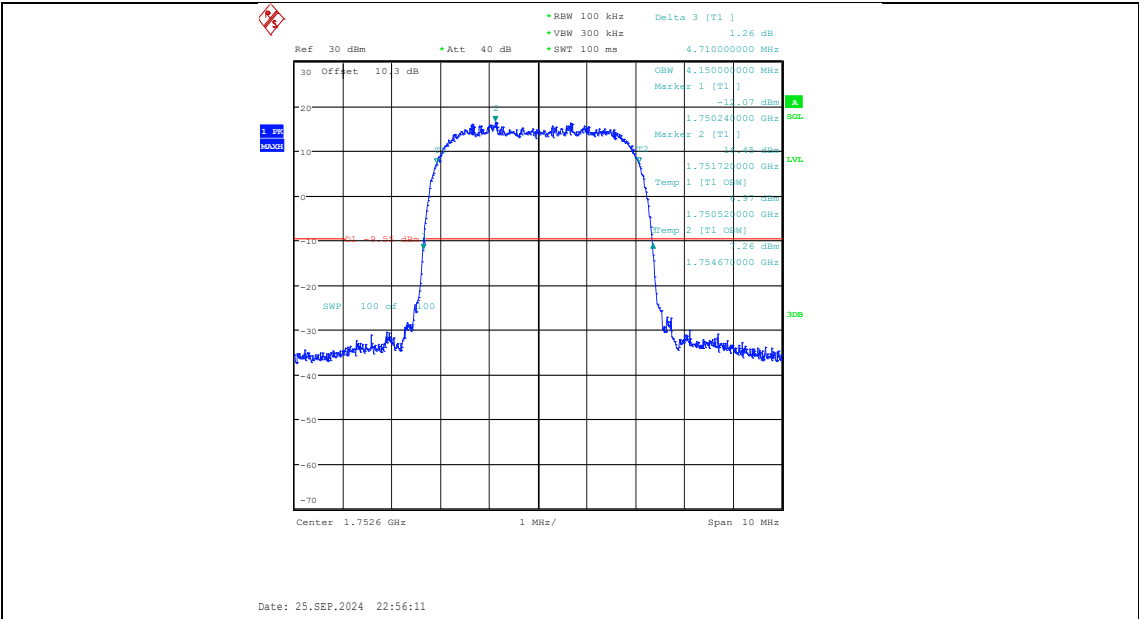
Date: 25.SEP.2024 22:59:11

Band4-1413-3-PASS

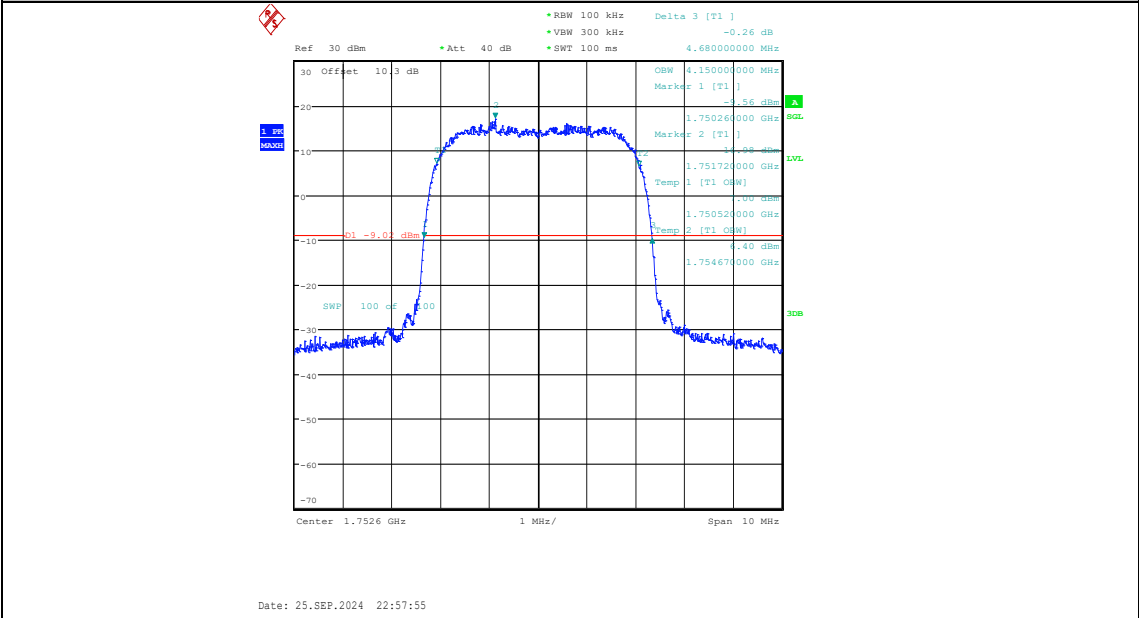


Date: 25.SEP.2024 23:00:56

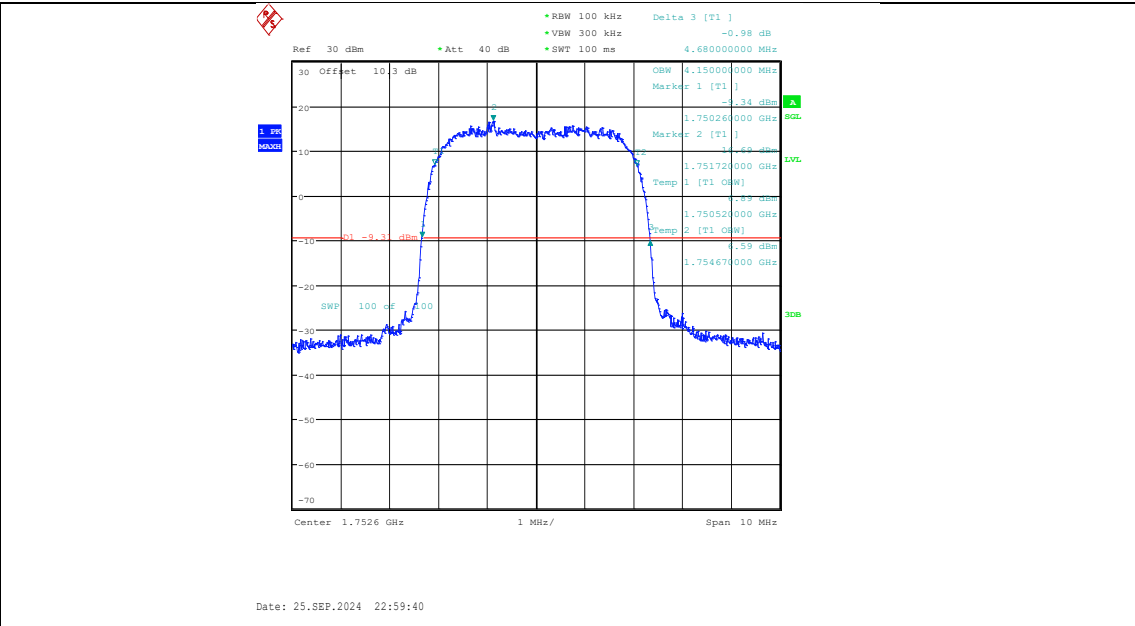
Band4-1413-4-PASS



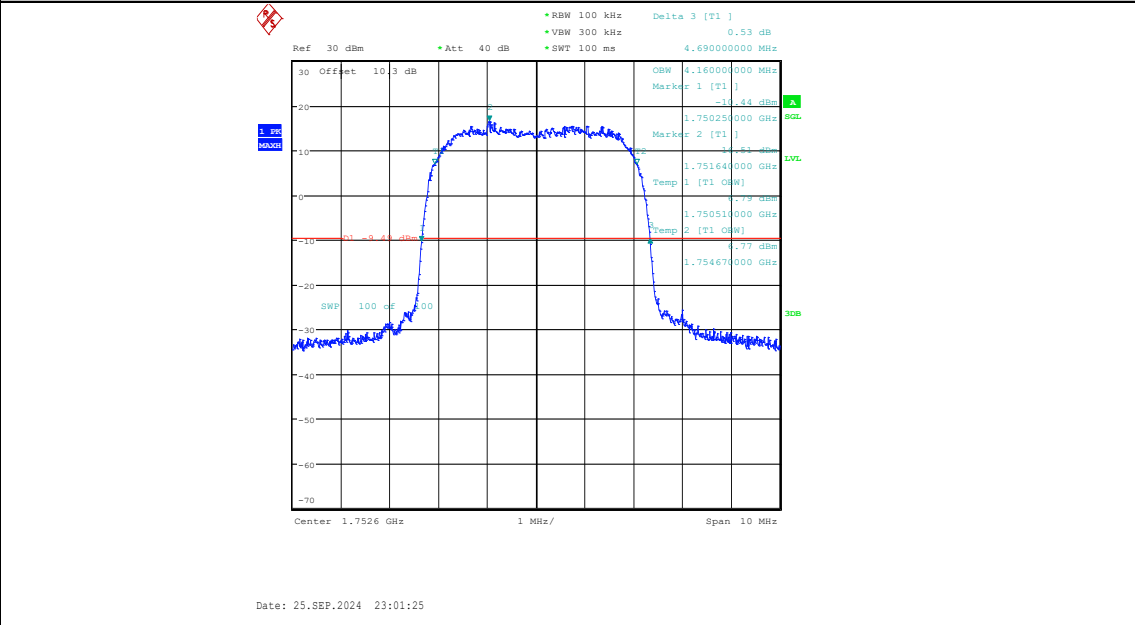
Band4-1513-1-PASS



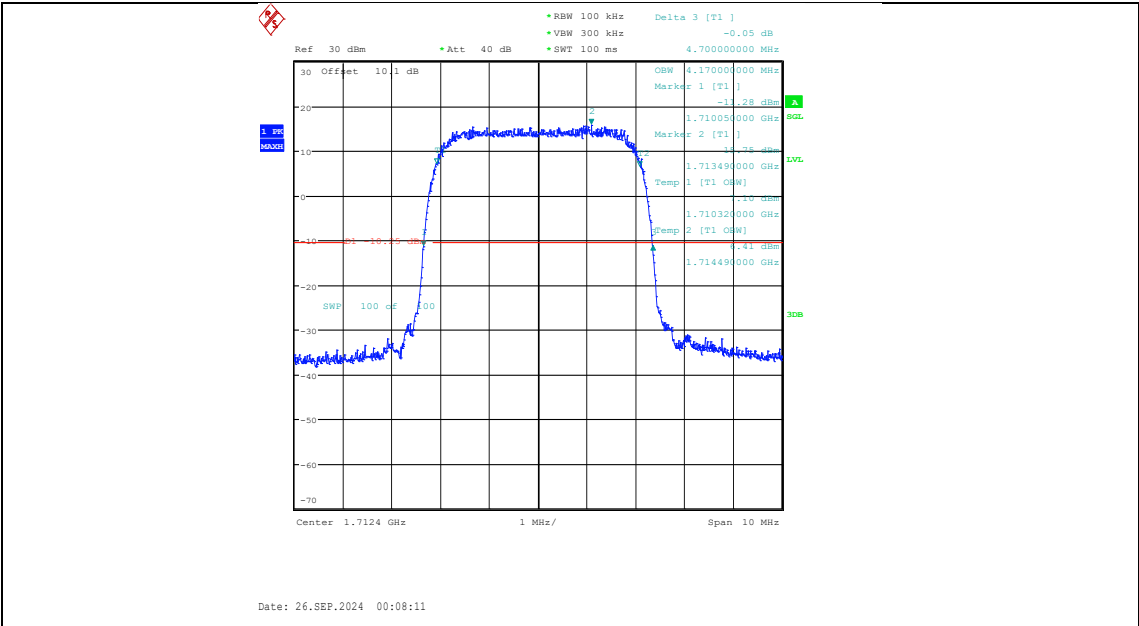
Band4-1513-2-PASS



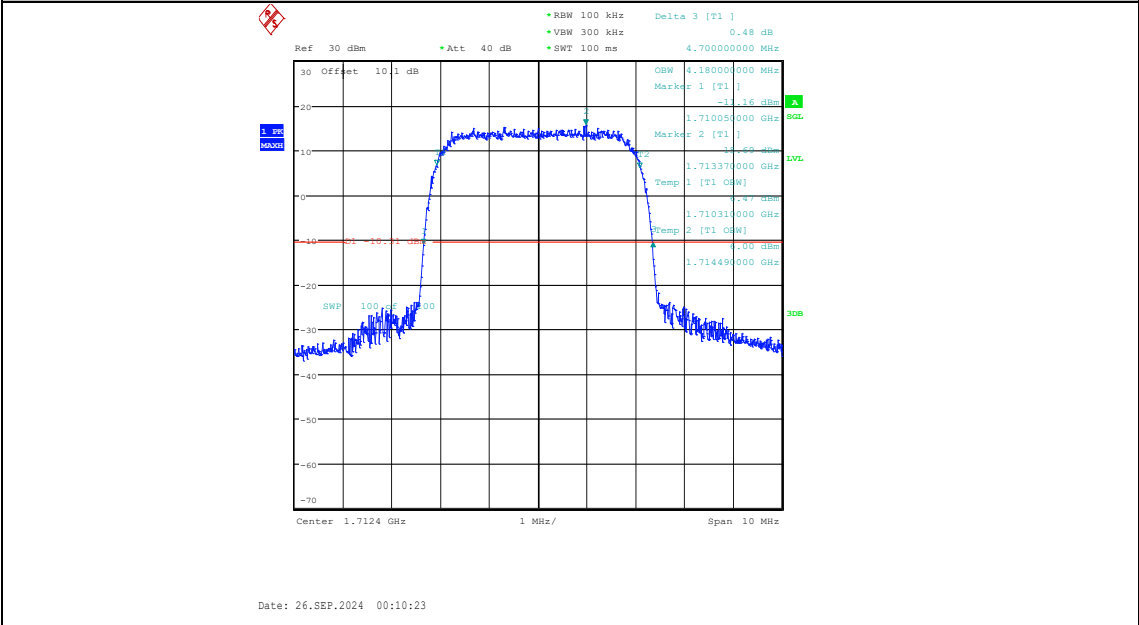
Band4-1513-3-PASS



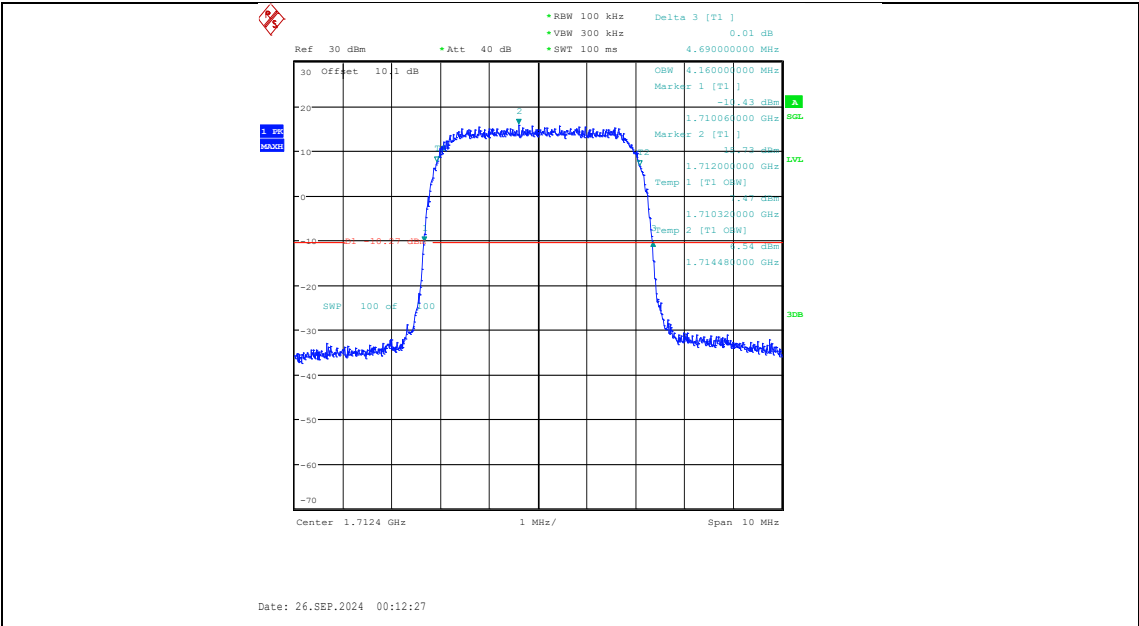
Band4-1513-4-PASS



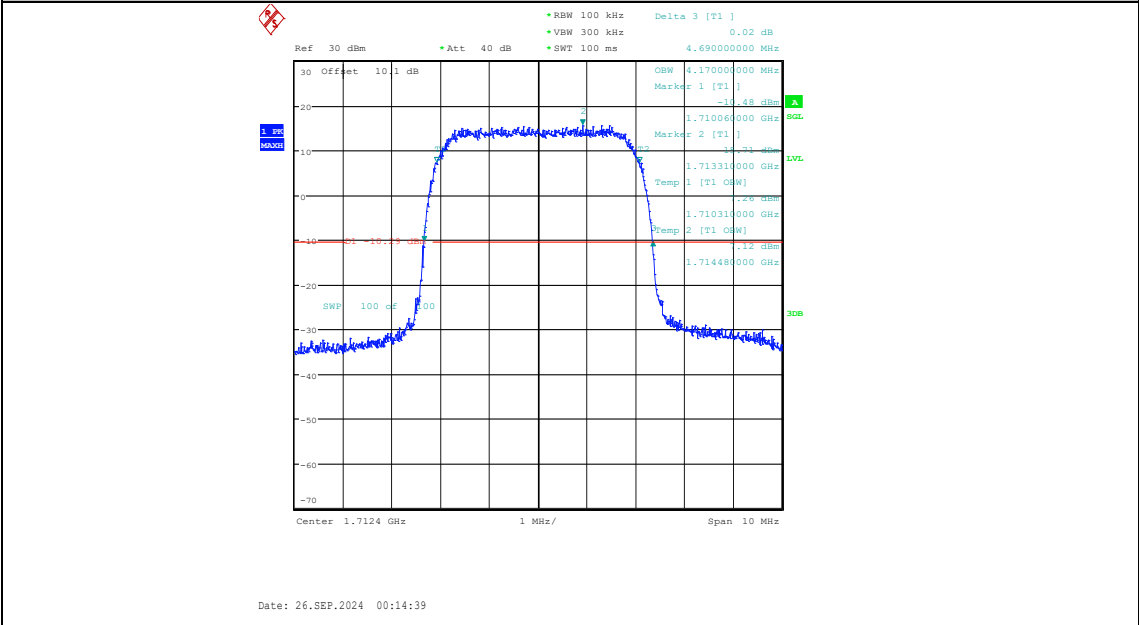
Band4-1312-1-PASS



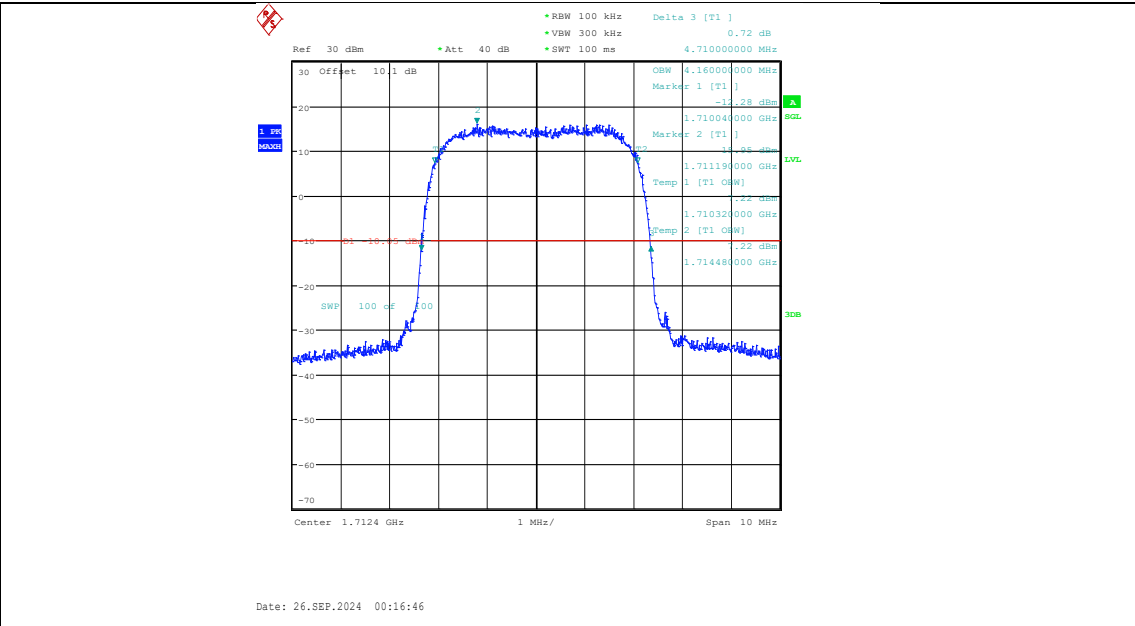
Band4-1312-2-PASS



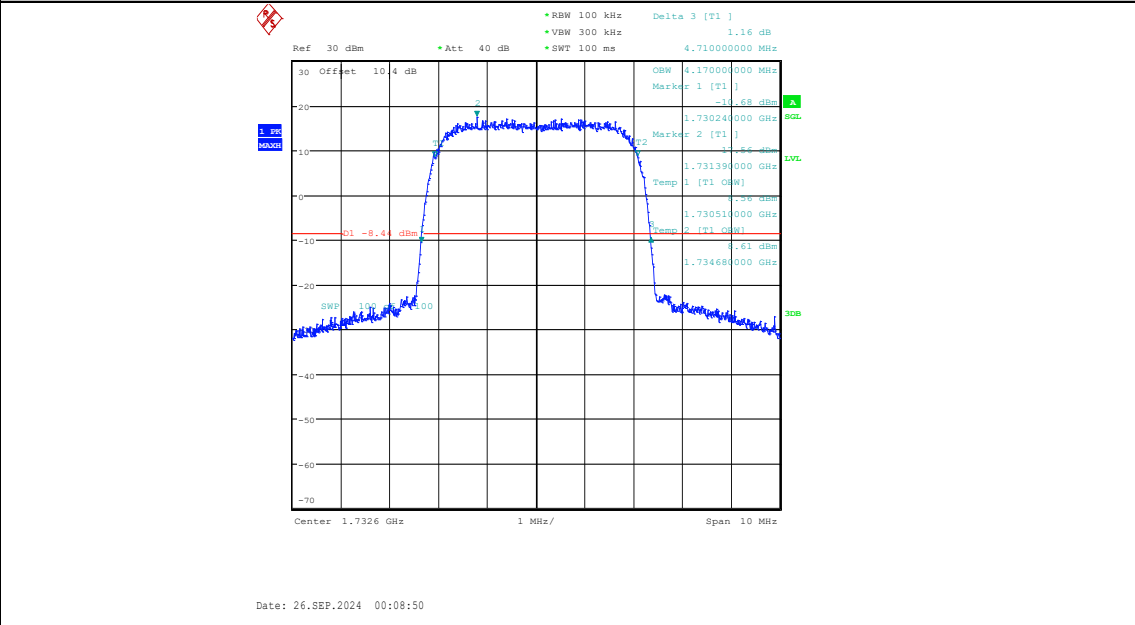
Band4-1312-3-PASS



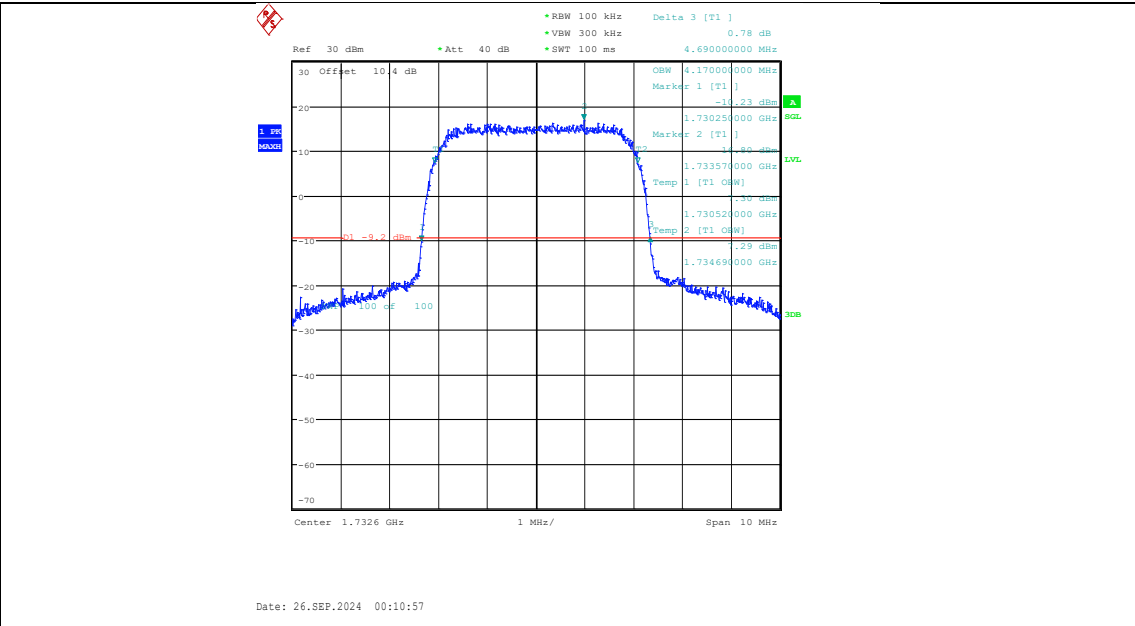
Band4-1312-4-PASS



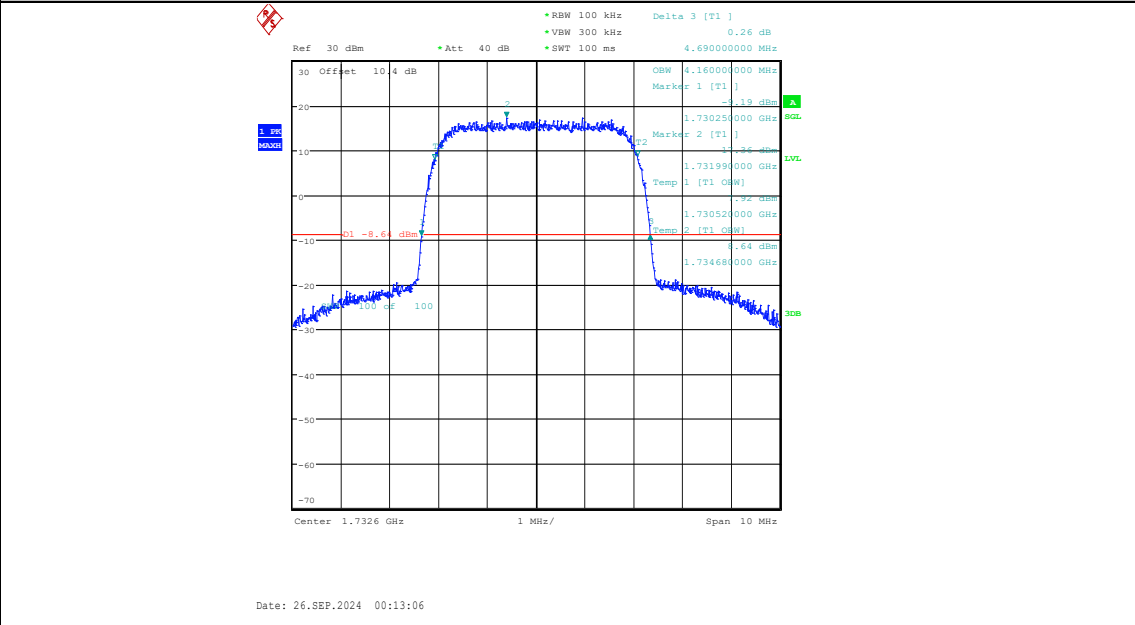
Band4-1312-5-PASS



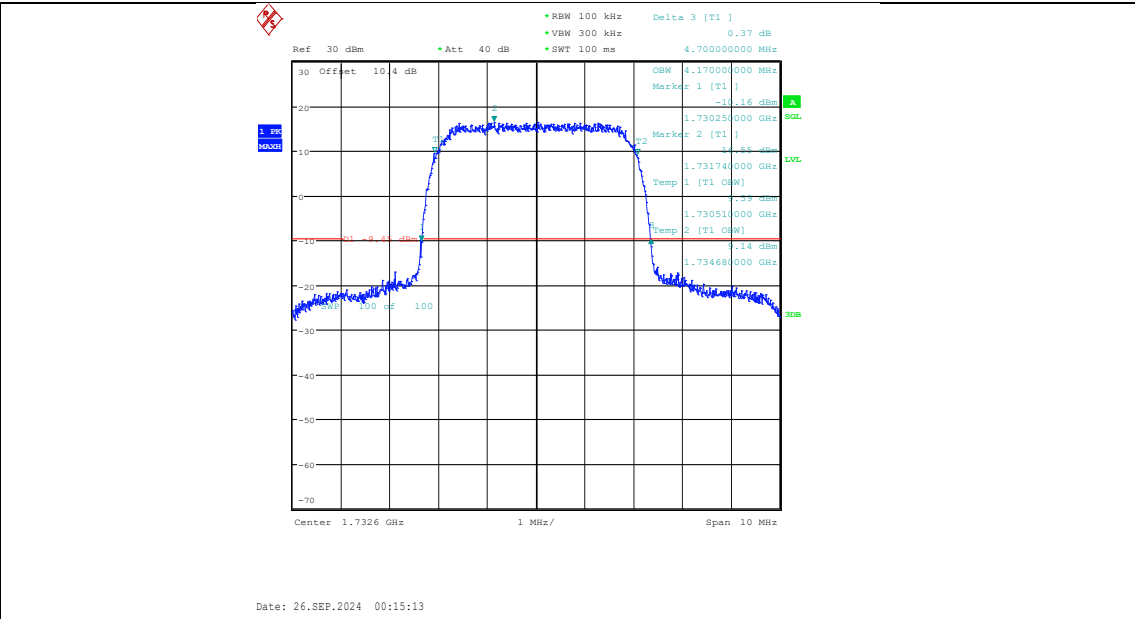
Band4-1413-1-PASS



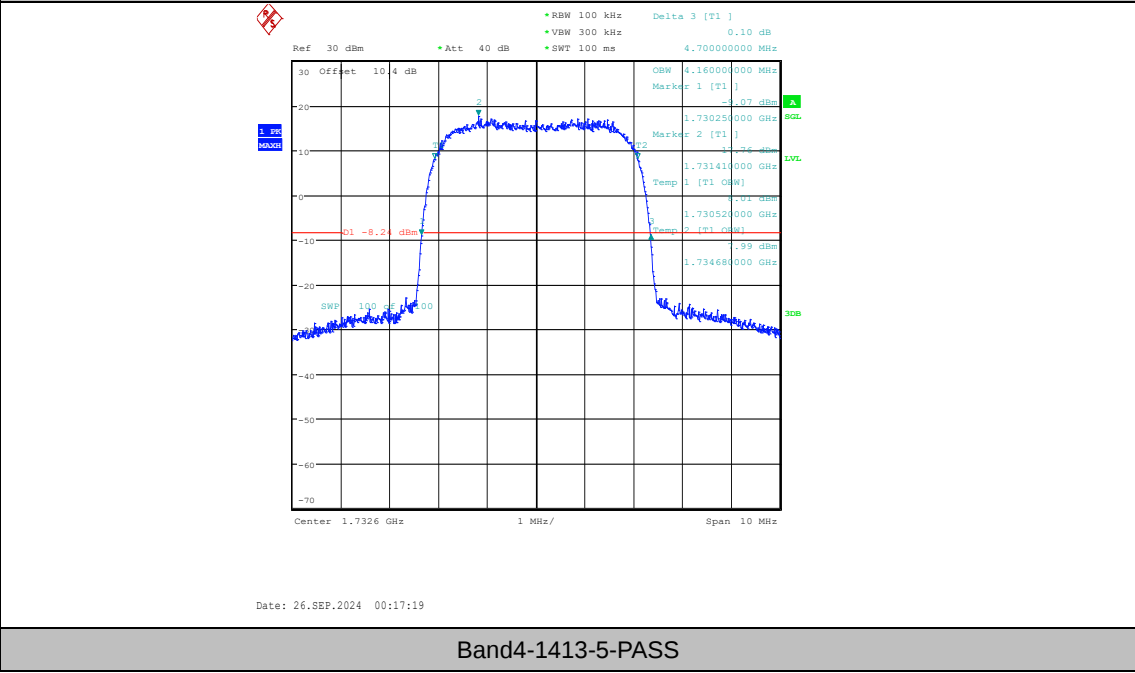
Band4-1413-2-PASS



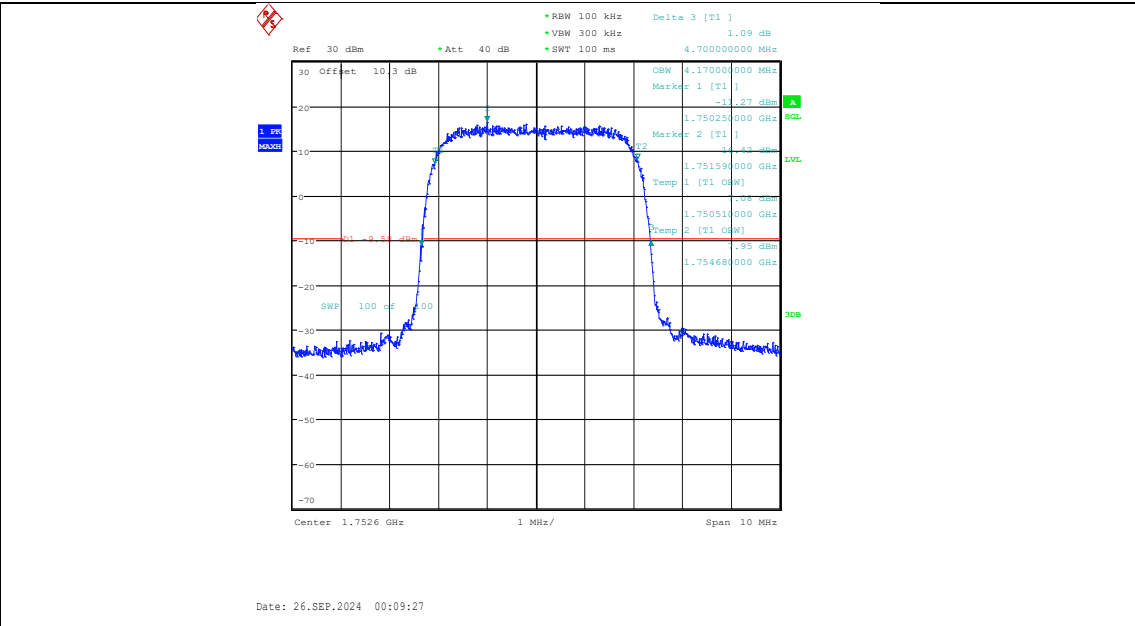
Band4-1413-3-PASS



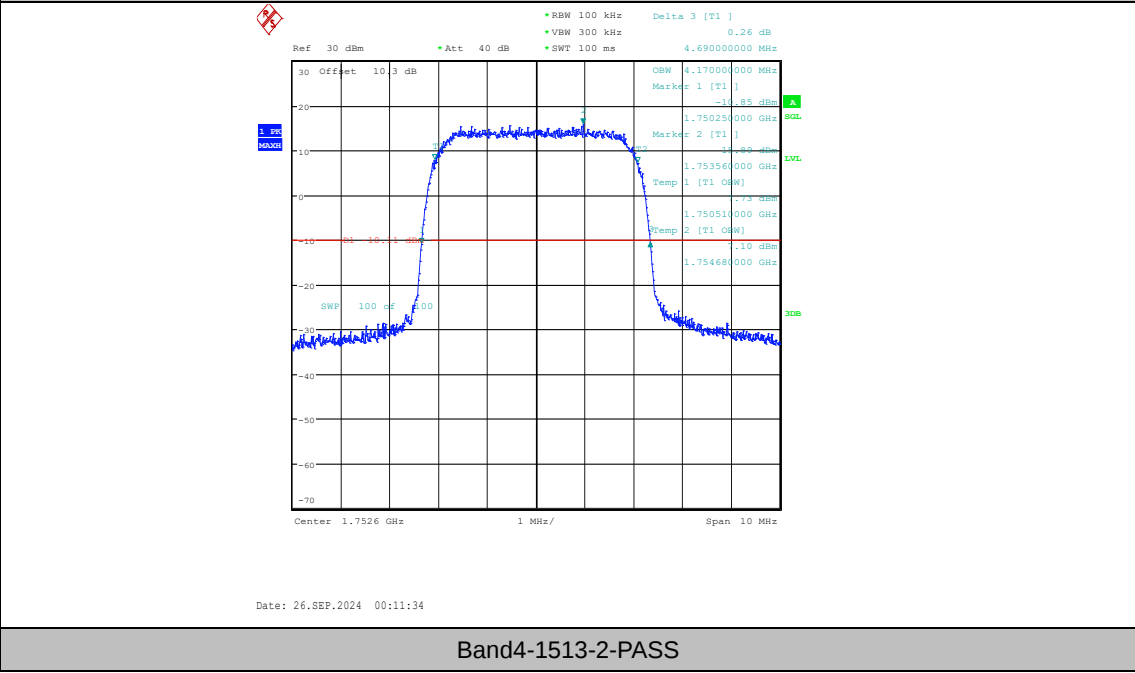
Band4-1413-4-PASS



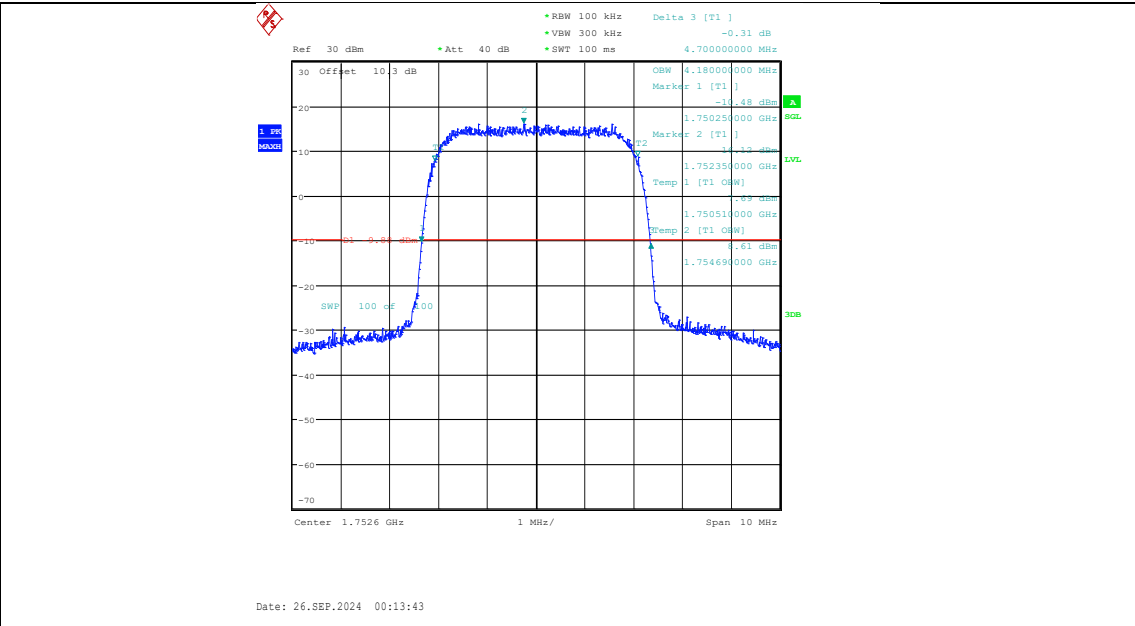
Band4-1413-5-PASS



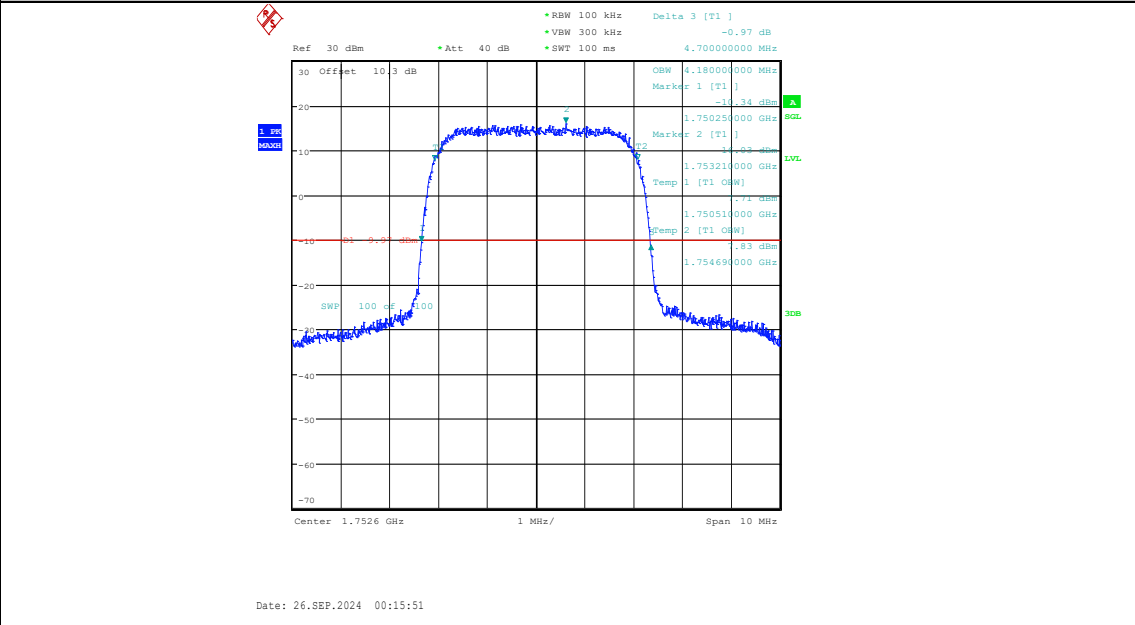
Band4-1513-1-PASS



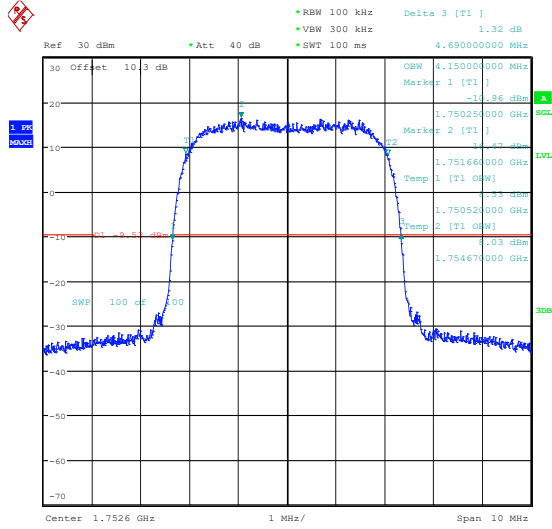
Band4-1513-2-PASS



Band4-1513-3-PASS



Band4-1513-4-PASS



Date: 26.SEP.2024 00:17:50

Band4-1513-5-PASS

AppendixD:Band Edge

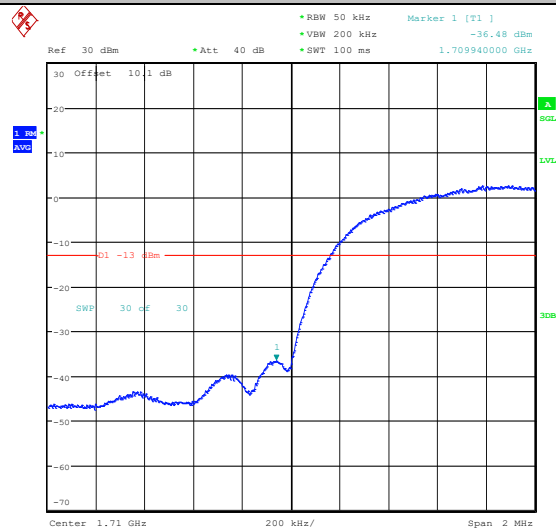
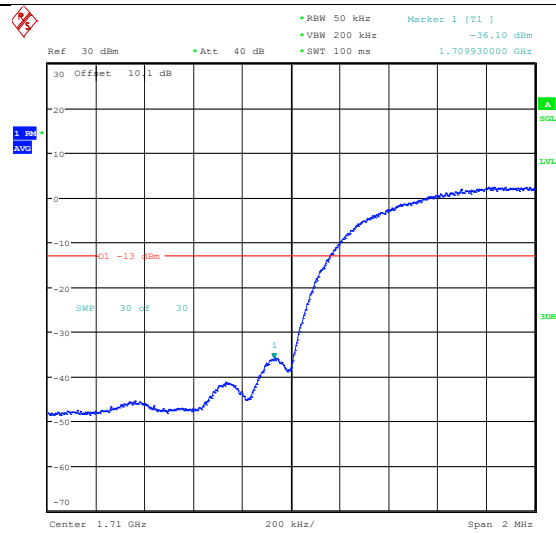
Test Result

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band4	1312	1709.93	-35.76	-13	PASS
Band4	1513	1755.07	-36.30	-13	PASS

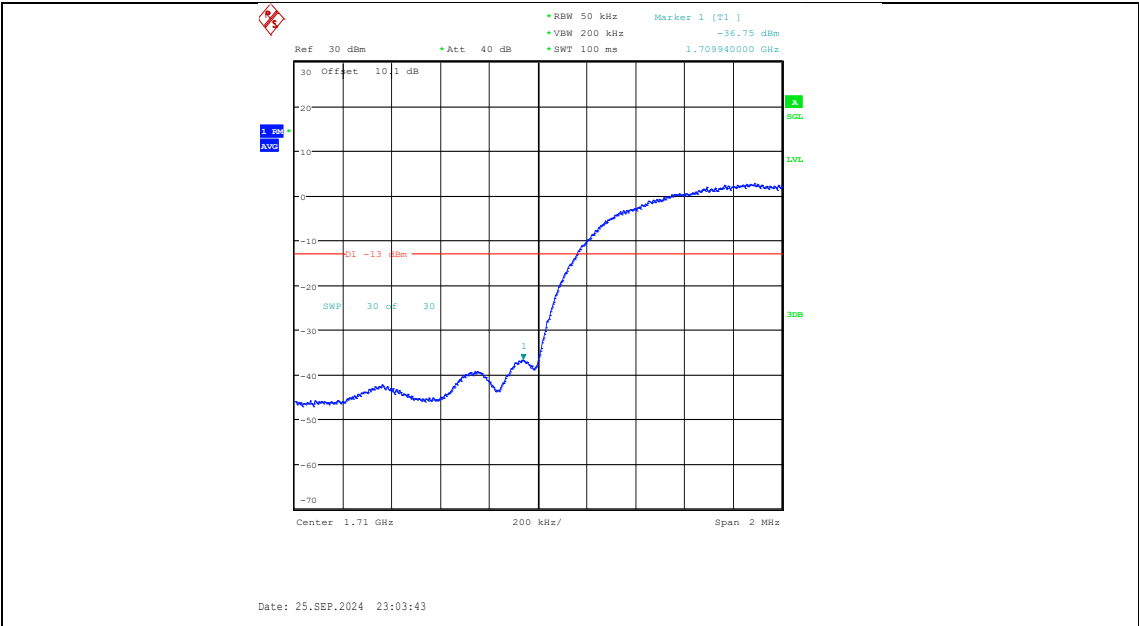
Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band4	1312	1	1709.93	-35.61	-13	PASS
Band4	1312	2	1709.94	-36.48	-13	PASS
Band4	1312	3	1709.94	-36.62	-13	PASS
Band4	1312	4	1709.93	-36.11	-13	PASS
Band4	1513	1	1755.06	-36.40	-13	PASS
Band4	1513	2	1755.07	-35.86	-13	PASS
Band4	1513	3	1755.08	-35.10	-13	PASS
Band4	1513	4	1755.07	-34.74	-13	PASS

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band4	1312	1	1709.93	-36.17	-13	PASS
Band4	1312	2	1709.92	-35.89	-13	PASS
Band4	1312	3	1709.93	-35.58	-13	PASS
Band4	1312	4	1709.94	-35.33	-13	PASS
Band4	1312	5	1709.94	-35.96	-13	PASS
Band4	1513	1	1755.07	-36.42	-13	PASS
Band4	1513	2	1755.08	-35.12	-13	PASS
Band4	1513	3	1755.07	-34.90	-13	PASS
Band4	1513	4	1755.07	-33.52	-13	PASS
Band4	1513	5	1755.06	-36.05	-13	PASS

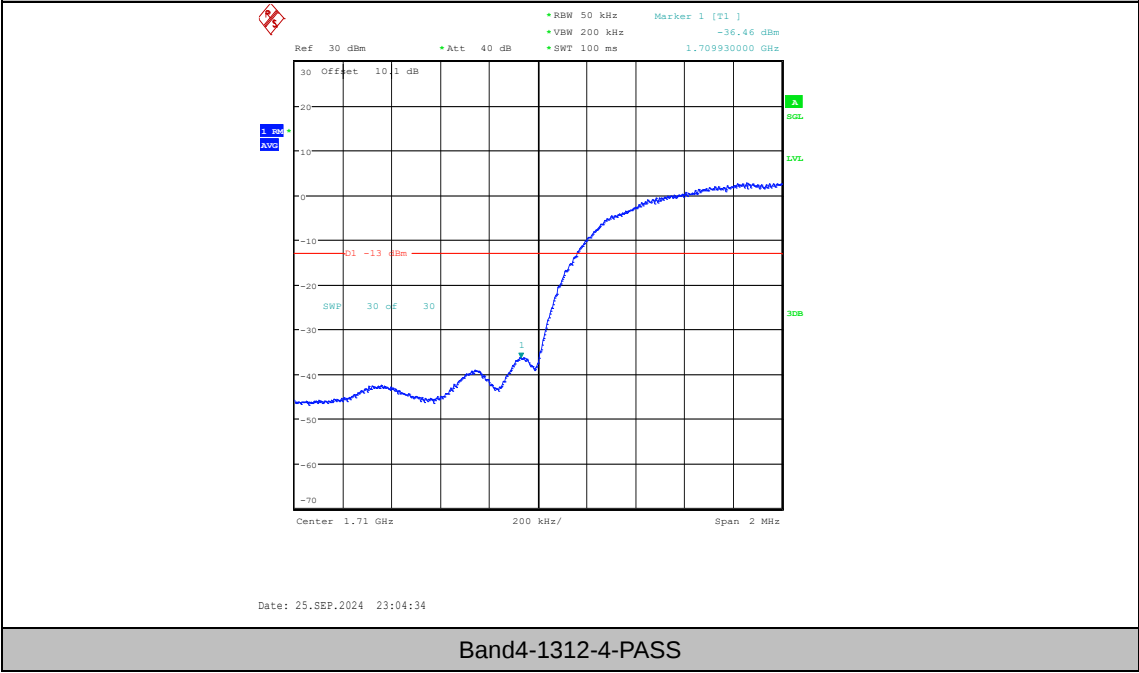
[illegible]



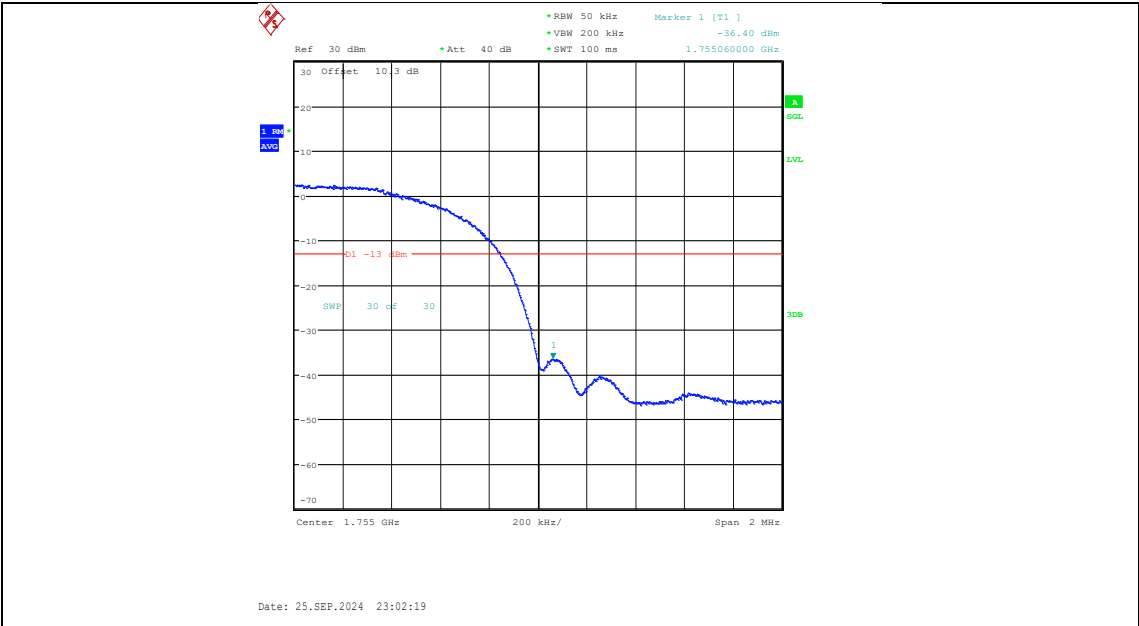
Band4-1312-2-PASS



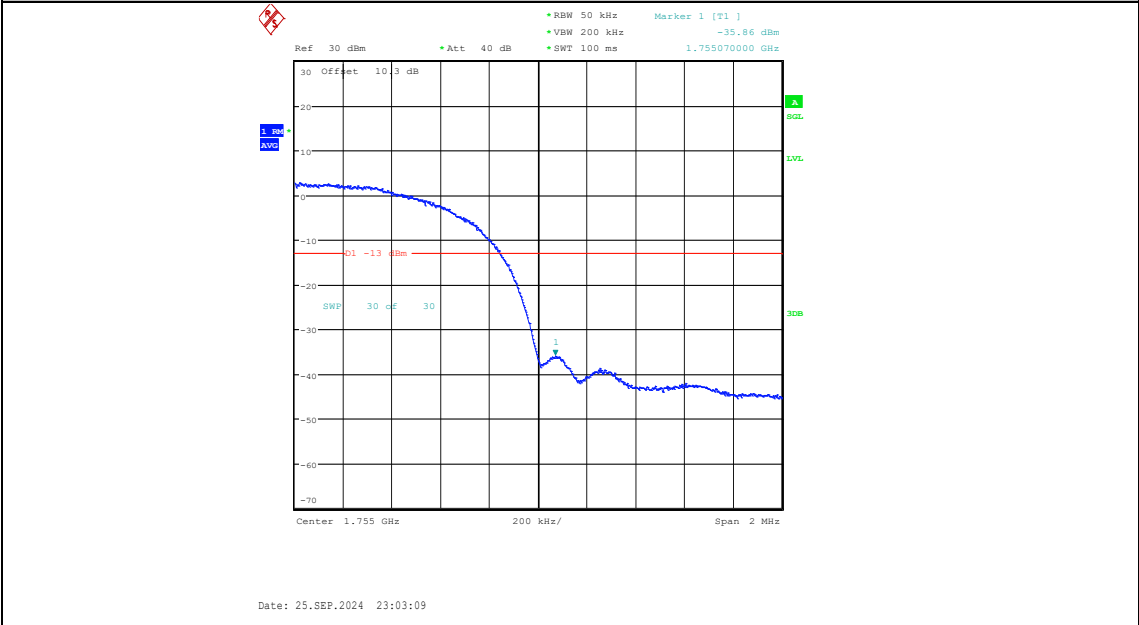
Band4-1312-3-PASS



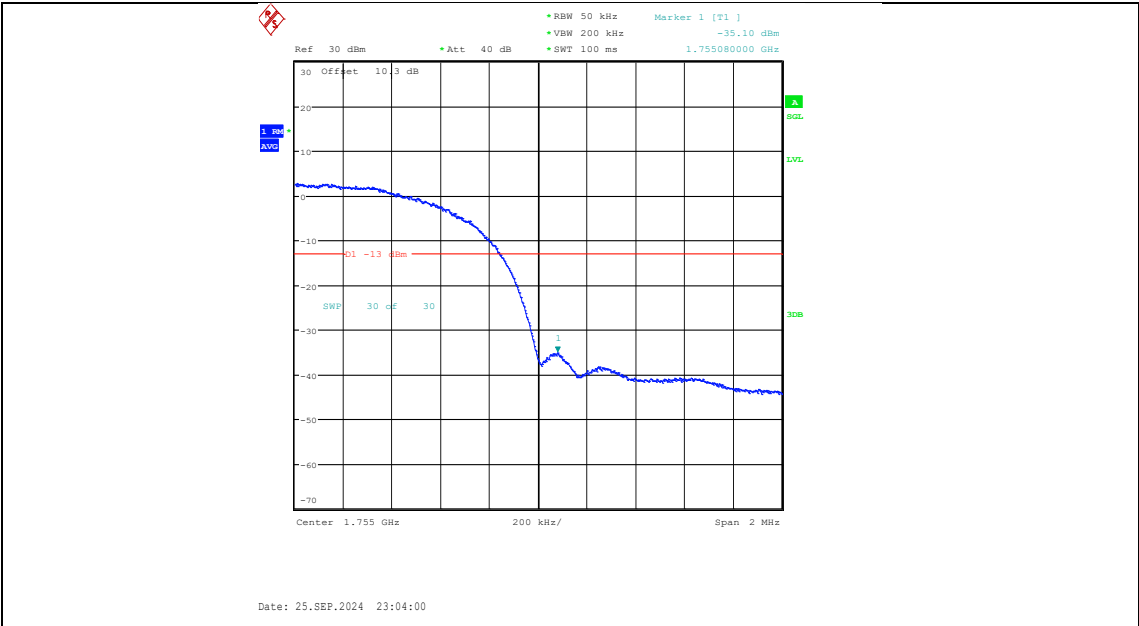
Band4-1312-4-PASS



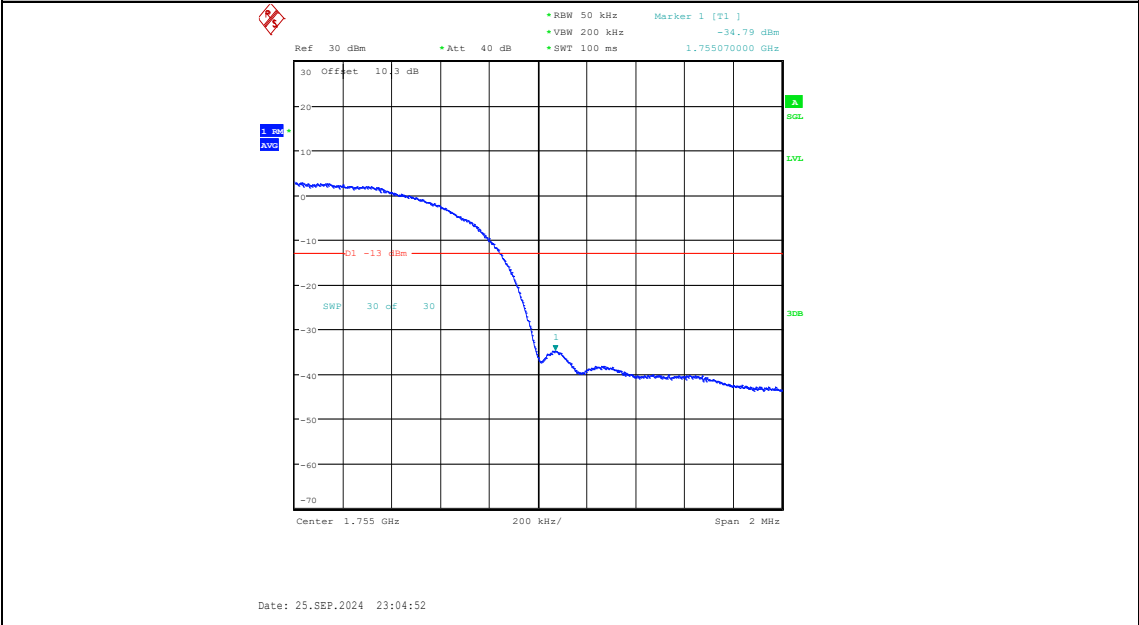
Band4-1513-1-PASS



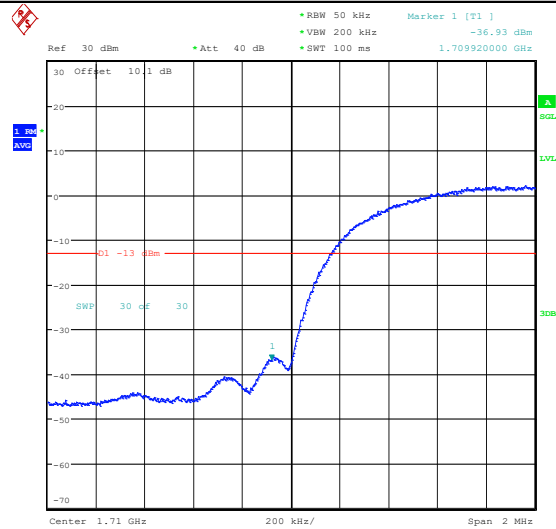
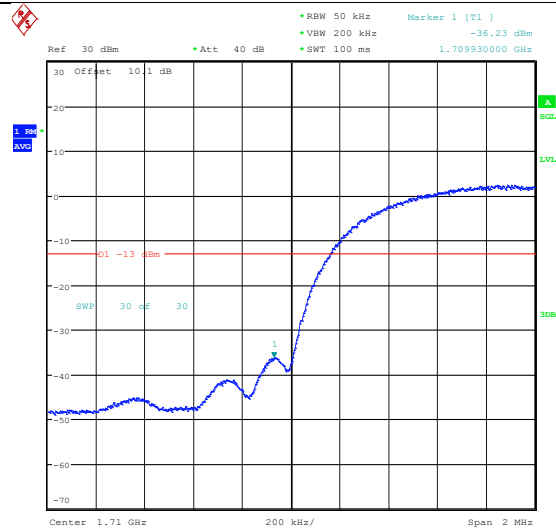
Band4-1513-2-PASS



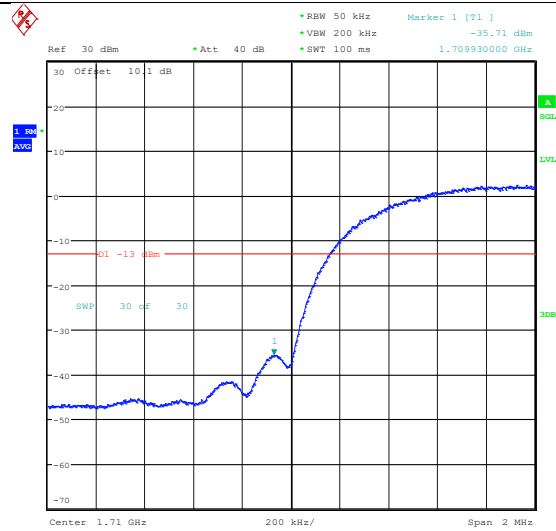
Band4-1513-3-PASS



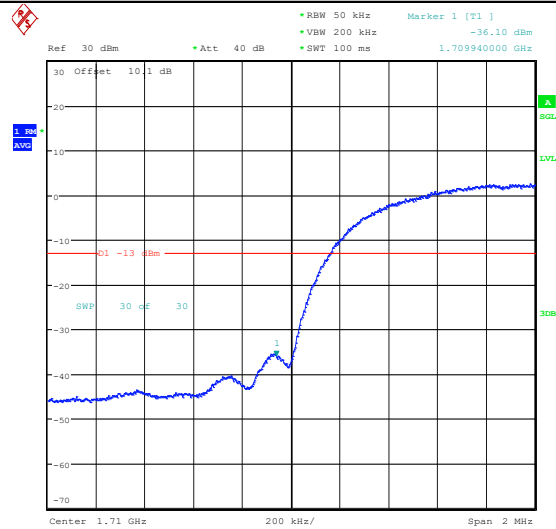
Band4-1513-4-PASS



Band4-1312-2-PASS

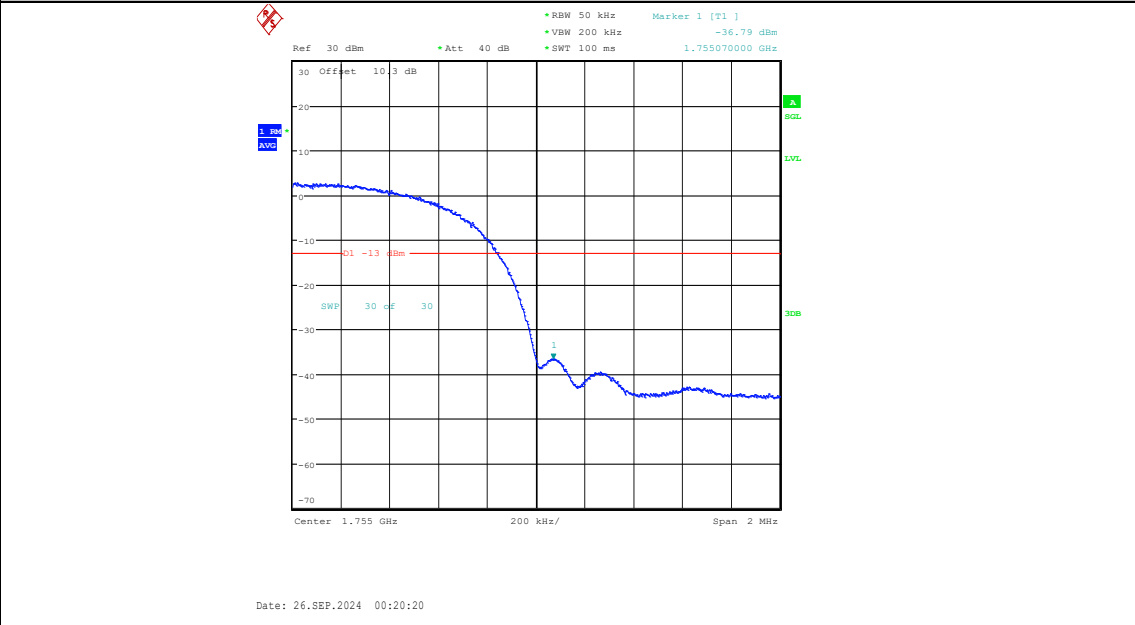


Band4-1312-3-PASS

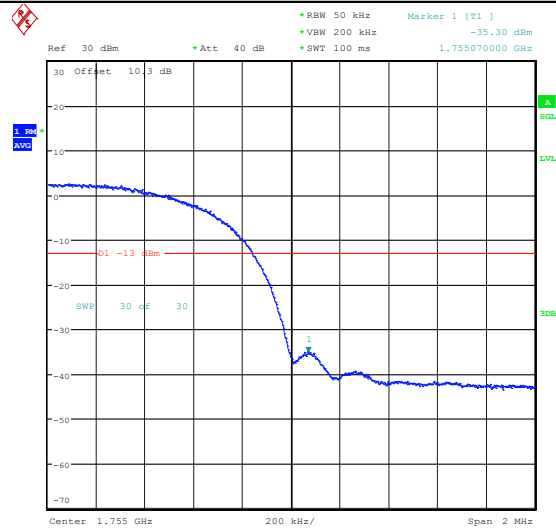
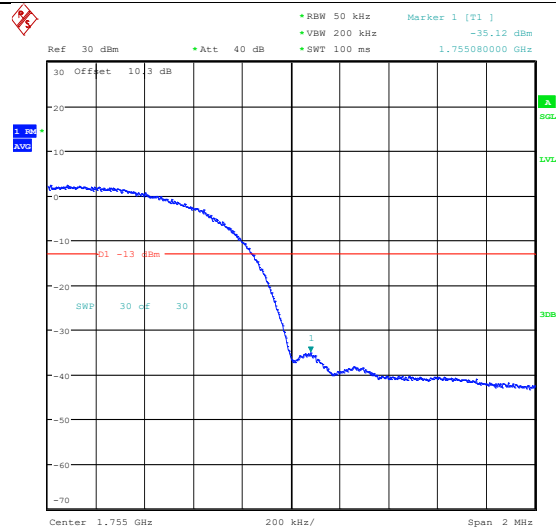




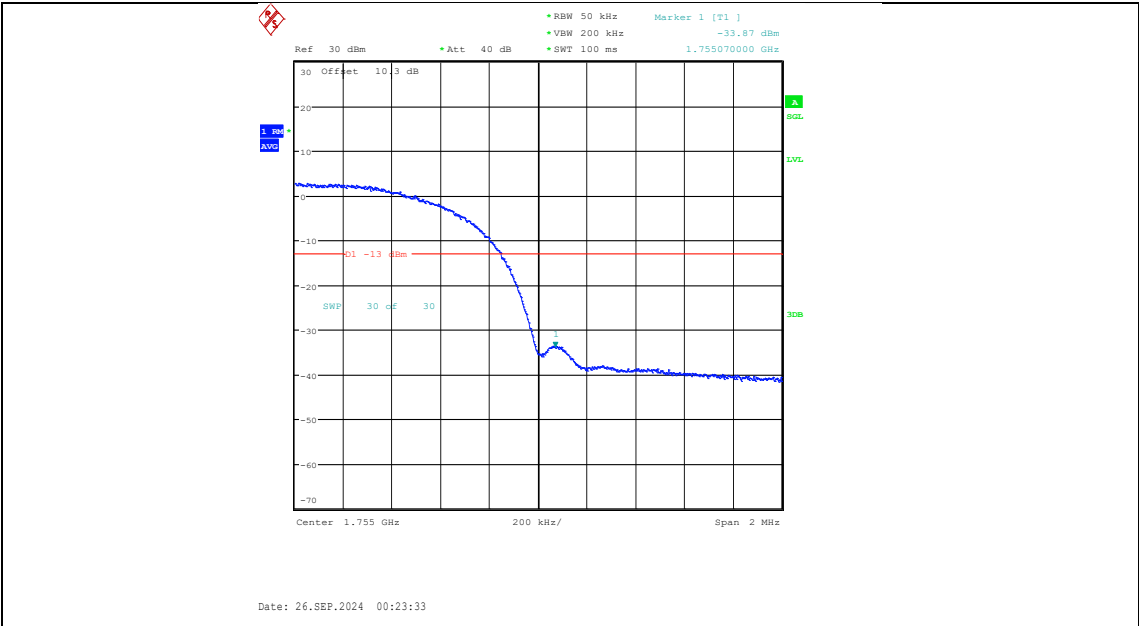
Band4-1312-5-PASS



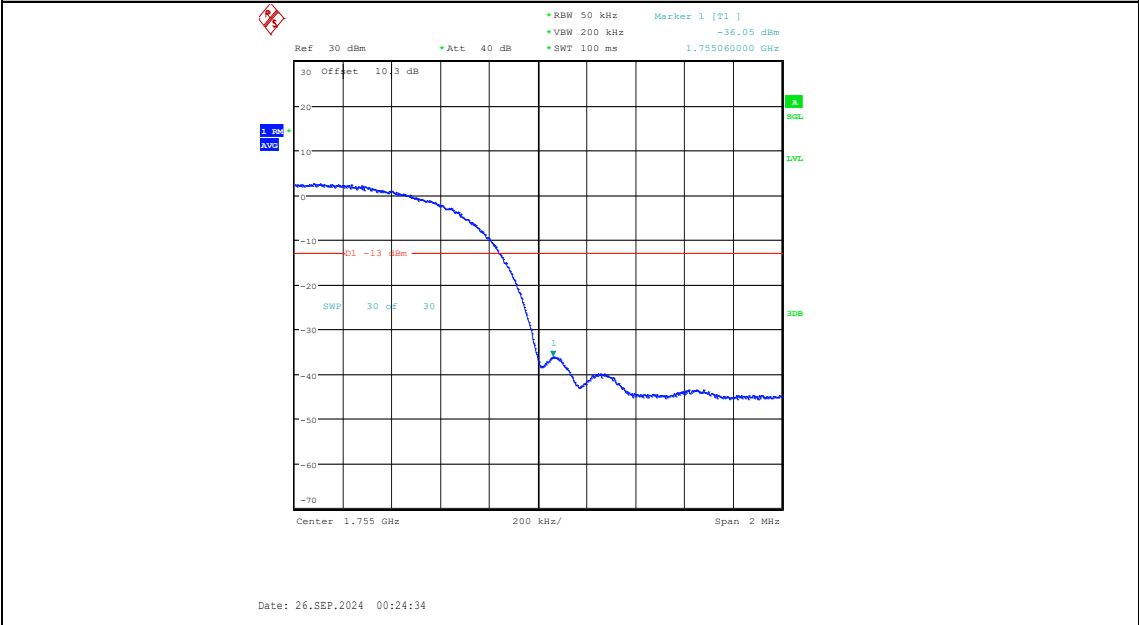
Band4-1513-1-PASS



Band4-1513-3-PASS



Band4-1513-4-PASS



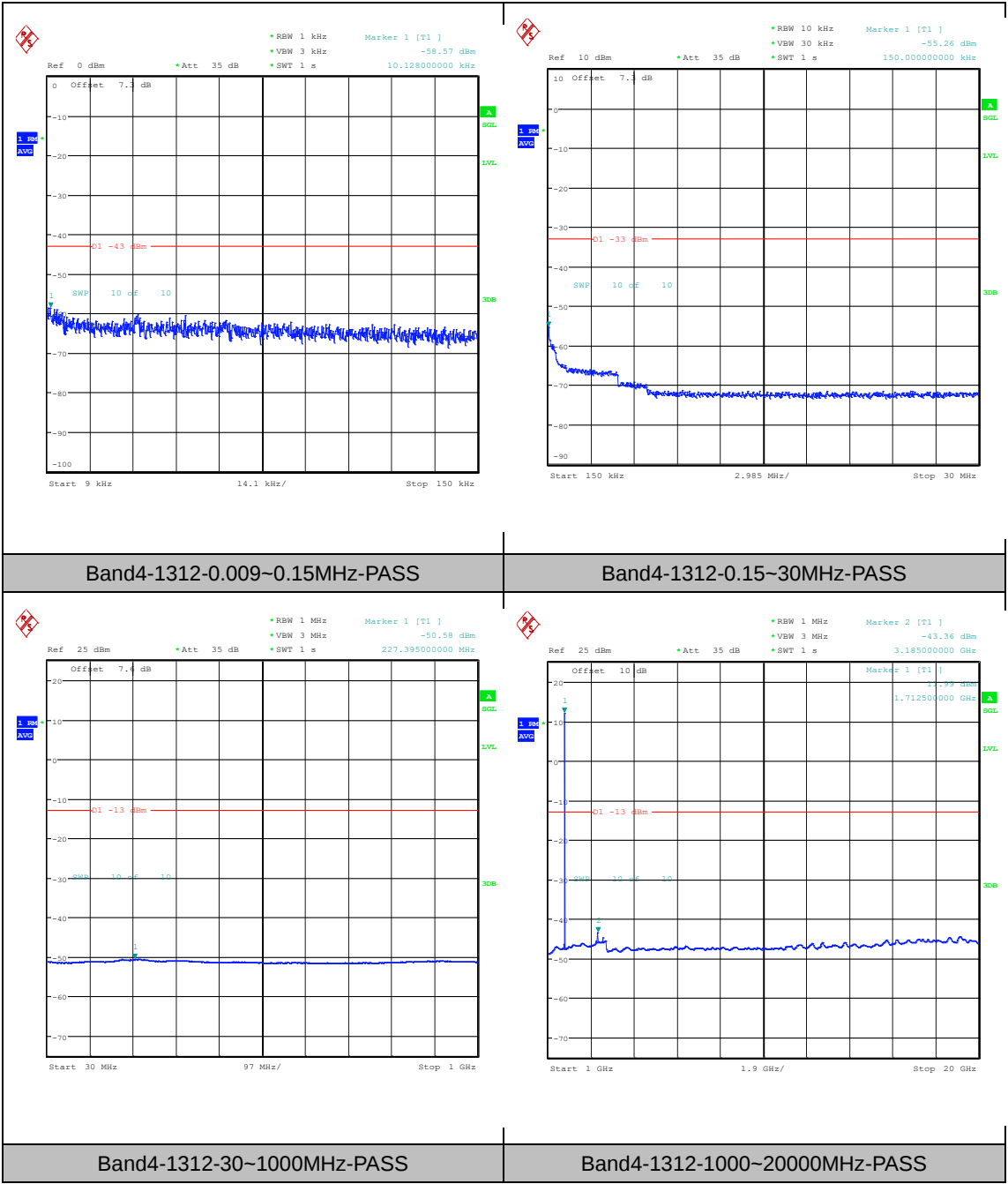
Band4-1513-5-PASS

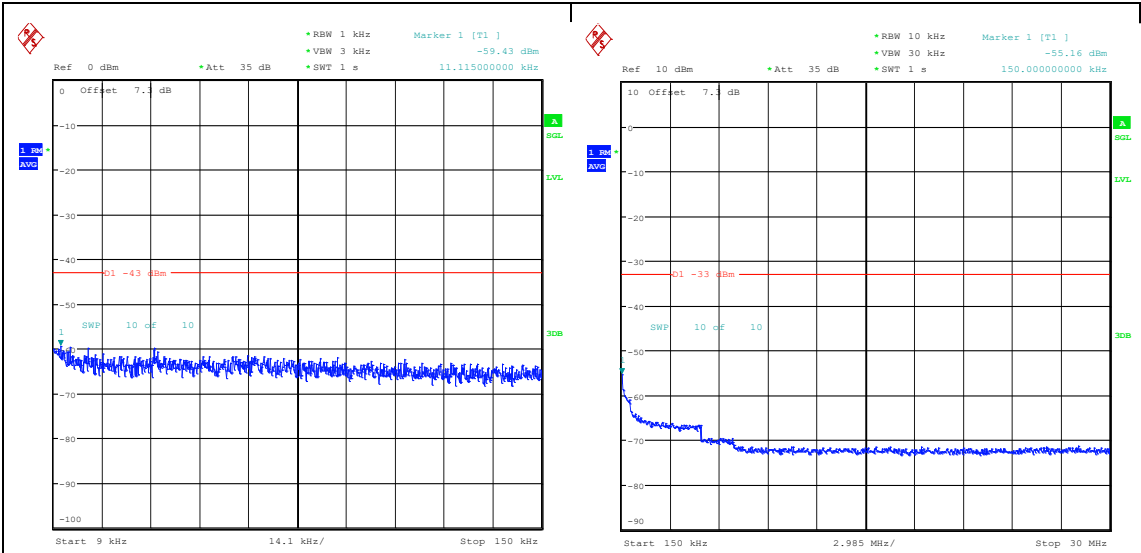
AppendixE:Conducted SpuriousEmission

Test Result

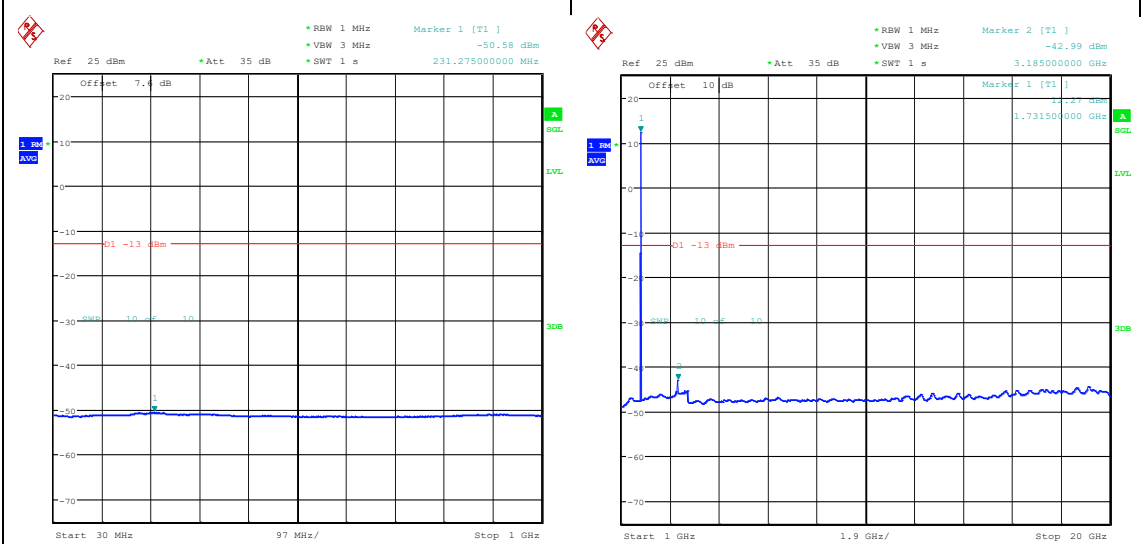
Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band4	1312	0.009~0.15MHz	0.01	-58.57	-43	PASS
Band4	1312	0.15~30MHz	0.15	-55.26	-33	PASS
Band4	1312	30~1000MHz	227.4	-50.58	-13	PASS
Band4	1312	1000~20000MHz	3185	-43.36	-13	PASS
Band4	1413	0.009~0.15MHz	0.01	-59.43	-43	PASS
Band4	1413	0.15~30MHz	0.15	-55.16	-33	PASS
Band4	1413	30~1000MHz	231.28	-50.58	-13	PASS
Band4	1413	1000~20000MHz	3185	-42.99	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-59.33	-43	PASS
Band4	1513	0.15~30MHz	0.15	-55.44	-33	PASS
Band4	1513	30~1000MHz	199.27	-50.53	-13	PASS
Band4	1513	1000~20000MHz	3185	-43.09	-13	PASS

Test Graphs

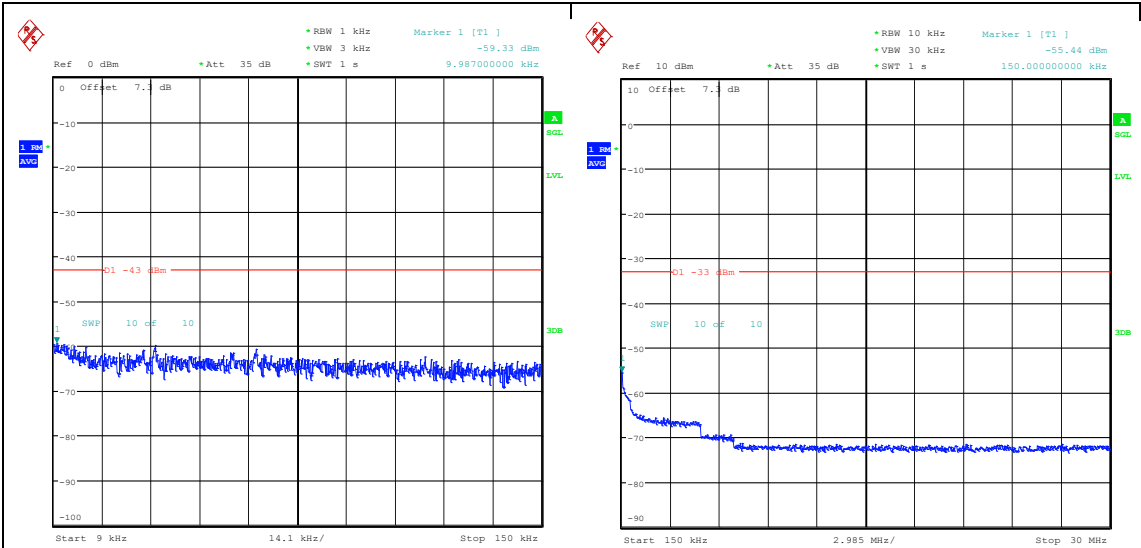




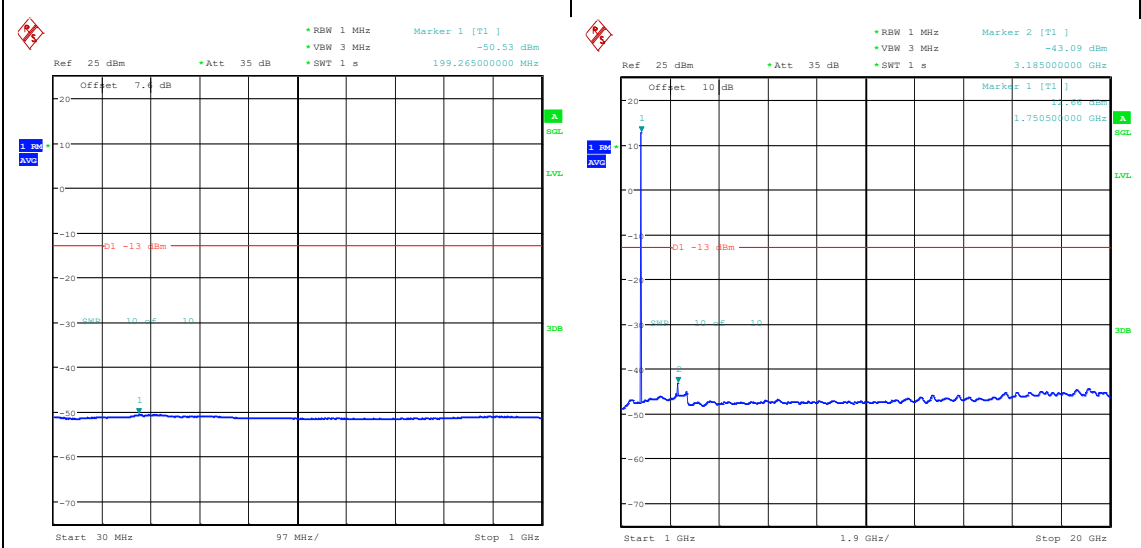
Band4-1413-0.009~0.15MHz-PASS



Band4-1413-30~1000MHz-PASS



Band4-1513-0.009~0.15MHz-PASS



Band4-1513-30~1000MHz-PASS

Band4-1513-1000~20000MHz-PASS

AppendixF:Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	VN	NT	-1.62	-0.000946	±2.5	PASS
Band4	1312	VL	NT	1.87	0.001092	±2.5	PASS
Band4	1312	VH	NT	1.56	0.000911	±2.5	PASS
Band4	1413	VN	NT	3.53	0.002037	±2.5	PASS
Band4	1413	VL	NT	-0.14	-0.000081	±2.5	PASS
Band4	1413	VH	NT	-2.43	-0.001403	±2.5	PASS
Band4	1513	VN	NT	8.38	0.004781	±2.5	PASS
Band4	1513	VL	NT	12.49	0.007127	±2.5	PASS
Band4	1513	VH	NT	-0.19	-0.000108	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	NV	-30	-6.39	-0.003732	±2.5	PASS
Band4	1312	NV	-20	8.69	0.005075	±2.5	PASS
Band4	1312	NV	-10	3.30	0.001927	±2.5	PASS
Band4	1312	NV	0	6.11	0.003568	±2.5	PASS
Band4	1312	NV	10	7.17	0.004187	±2.5	PASS
Band4	1312	NV	20	1.44	0.000841	±2.5	PASS
Band4	1312	NV	30	-7.92	-0.004625	±2.5	PASS
Band4	1312	NV	40	-3.30	-0.001927	±2.5	PASS
Band4	1312	NV	50	-2.12	-0.001238	±2.5	PASS
Band4	1413	NV	-30	7.47	0.004311	±2.5	PASS
Band4	1413	NV	-20	-10.63	-0.006135	±2.5	PASS
Band4	1413	NV	-10	2.97	0.001714	±2.5	PASS
Band4	1413	NV	0	1.02	0.000589	±2.5	PASS
Band4	1413	NV	10	0.34	0.000196	±2.5	PASS
Band4	1413	NV	20	0.18	0.000104	±2.5	PASS
Band4	1413	NV	30	1.64	0.000947	±2.5	PASS
Band4	1413	NV	40	-0.95	-0.000548	±2.5	PASS
Band4	1413	NV	50	7.93	0.004577	±2.5	PASS
Band4	1513	NV	-30	0.21	0.000120	±2.5	PASS
Band4	1513	NV	-20	-0.94	-0.000536	±2.5	PASS
Band4	1513	NV	-10	-10.54	-0.006014	±2.5	PASS
Band4	1513	NV	0	12.42	0.007087	±2.5	PASS

Band4	1513	NV	10	9.53	0.005438	±2.5	PASS
Band4	1513	NV	20	3.51	0.002003	±2.5	PASS
Band4	1513	NV	30	-2.83	-0.001615	±2.5	PASS
Band4	1513	NV	40	0.44	0.000251	±2.5	PASS
Band4	1513	NV	50	-5.27	-0.003007	±2.5	PASS

Voltage								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	1	VN	NT	4.85	0.002832	±2.5	PASS
Band4	1312	1	VL	NT	9.28	0.005419	±2.5	PASS
Band4	1312	1	VH	NT	5.84	0.003410	±2.5	PASS
Band4	1312	2	VN	NT	2.32	0.001355	±2.5	PASS
Band4	1312	2	VL	NT	-1.75	-0.001022	±2.5	PASS
Band4	1312	2	VH	NT	2.20	0.001285	±2.5	PASS
Band4	1312	3	VN	NT	1.42	0.000829	±2.5	PASS
Band4	1312	3	VL	NT	-2.19	-0.001279	±2.5	PASS
Band4	1312	3	VH	NT	-3.10	-0.001810	±2.5	PASS
Band4	1312	4	VN	NT	-9.48	-0.005536	±2.5	PASS
Band4	1312	4	VL	NT	-5.98	-0.003492	±2.5	PASS
Band4	1312	4	VH	NT	-5.95	-0.003475	±2.5	PASS
Band4	1413	1	VN	NT	4.66	0.002690	±2.5	PASS
Band4	1413	1	VL	NT	4.96	0.002863	±2.5	PASS
Band4	1413	1	VH	NT	8.71	0.005027	±2.5	PASS
Band4	1413	2	VN	NT	5.66	0.003267	±2.5	PASS
Band4	1413	2	VL	NT	4.05	0.002338	±2.5	PASS
Band4	1413	2	VH	NT	4.40	0.002540	±2.5	PASS
Band4	1413	3	VN	NT	-0.39	-0.000225	±2.5	PASS
Band4	1413	3	VL	NT	4.43	0.002557	±2.5	PASS
Band4	1413	3	VH	NT	4.76	0.002747	±2.5	PASS
Band4	1413	4	VN	NT	-10.27	-0.005928	±2.5	PASS
Band4	1413	4	VL	NT	-1.75	-0.001010	±2.5	PASS
Band4	1413	4	VH	NT	-9.18	-0.005298	±2.5	PASS
Band4	1513	1	VN	NT	0.07	0.000040	±2.5	PASS
Band4	1513	1	VL	NT	-1.85	-0.001056	±2.5	PASS
Band4	1513	1	VH	NT	-5.67	-0.003235	±2.5	PASS
Band4	1513	2	VN	NT	-0.77	-0.000439	±2.5	PASS
Band4	1513	2	VL	NT	-1.07	-0.000611	±2.5	PASS
Band4	1513	2	VH	NT	-6.80	-0.003880	±2.5	PASS
Band4	1513	3	VN	NT	5.27	0.003007	±2.5	PASS
Band4	1513	3	VL	NT	4.56	0.002602	±2.5	PASS
Band4	1513	3	VH	NT	3.28	0.001872	±2.5	PASS

Band4	1513	4	VN	NT	-9.79	-0.005586	±2.5	PASS
Band4	1513	4	VL	NT	1.34	0.000765	±2.5	PASS
Band4	1513	4	VH	NT	3.16	0.001803	±2.5	PASS

Temperature								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	1	NV	-30	-3.37	-0.001968	±2.5	PASS
Band4	1312	1	NV	-20	1.17	0.000683	±2.5	PASS
Band4	1312	1	NV	-10	-3.89	-0.002272	±2.5	PASS
Band4	1312	1	NV	0	-3.35	-0.001956	±2.5	PASS
Band4	1312	1	NV	10	-7.77	-0.004537	±2.5	PASS
Band4	1312	1	NV	20	8.28	0.004835	±2.5	PASS
Band4	1312	1	NV	30	10.84	0.006330	±2.5	PASS
Band4	1312	1	NV	40	0.14	0.000082	±2.5	PASS
Band4	1312	1	NV	50	-2.91	-0.001699	±2.5	PASS
Band4	1312	2	NV	-30	7.49	0.004374	±2.5	PASS
Band4	1312	2	NV	-20	-2.02	-0.001180	±2.5	PASS
Band4	1312	2	NV	-10	3.43	0.002003	±2.5	PASS
Band4	1312	2	NV	0	6.62	0.003866	±2.5	PASS
Band4	1312	2	NV	10	-4.58	-0.002675	±2.5	PASS
Band4	1312	2	NV	20	0.32	0.000187	±2.5	PASS
Band4	1312	2	NV	30	1.44	0.000841	±2.5	PASS
Band4	1312	2	NV	40	-9.35	-0.005460	±2.5	PASS
Band4	1312	2	NV	50	-1.00	-0.000584	±2.5	PASS
Band4	1312	3	NV	-30	-2.20	-0.001285	±2.5	PASS
Band4	1312	3	NV	-20	-5.43	-0.003171	±2.5	PASS
Band4	1312	3	NV	-10	-9.84	-0.005746	±2.5	PASS
Band4	1312	3	NV	0	-4.92	-0.002873	±2.5	PASS
Band4	1312	3	NV	10	-7.43	-0.004339	±2.5	PASS
Band4	1312	3	NV	20	-8.08	-0.004719	±2.5	PASS
Band4	1312	3	NV	30	-1.97	-0.001150	±2.5	PASS
Band4	1312	3	NV	40	-8.90	-0.005197	±2.5	PASS
Band4	1312	3	NV	50	-8.36	-0.004882	±2.5	PASS
Band4	1312	4	NV	-30	-3.80	-0.002219	±2.5	PASS
Band4	1312	4	NV	-20	2.34	0.001367	±2.5	PASS
Band4	1312	4	NV	-10	5.84	0.003410	±2.5	PASS
Band4	1312	4	NV	0	10.91	0.006371	±2.5	PASS
Band4	1312	4	NV	10	-3.31	-0.001933	±2.5	PASS
Band4	1312	4	NV	20	2.98	0.001740	±2.5	PASS
Band4	1312	4	NV	30	5.02	0.002932	±2.5	PASS

Band4	1312	4	NV	40	-0.02	-0.000012	±2.5	PASS
Band4	1312	4	NV	50	3.22	0.001880	±2.5	PASS
Band4	1413	1	NV	-30	6.24	0.003602	±2.5	PASS
Band4	1413	1	NV	-20	9.81	0.005662	±2.5	PASS
Band4	1413	1	NV	-10	4.50	0.002597	±2.5	PASS
Band4	1413	1	NV	0	1.81	0.001045	±2.5	PASS
Band4	1413	1	NV	10	-3.92	-0.002262	±2.5	PASS
Band4	1413	1	NV	20	6.07	0.003503	±2.5	PASS
Band4	1413	1	NV	30	-1.39	-0.000802	±2.5	PASS
Band4	1413	1	NV	40	-1.77	-0.001022	±2.5	PASS
Band4	1413	1	NV	50	1.67	0.000964	±2.5	PASS
Band4	1413	2	NV	-30	-0.46	-0.000265	±2.5	PASS
Band4	1413	2	NV	-20	3.70	0.002136	±2.5	PASS
Band4	1413	2	NV	-10	2.31	0.001333	±2.5	PASS
Band4	1413	2	NV	0	4.68	0.002701	±2.5	PASS
Band4	1413	2	NV	10	7.30	0.004213	±2.5	PASS
Band4	1413	2	NV	20	-2.24	-0.001293	±2.5	PASS
Band4	1413	2	NV	30	2.75	0.001587	±2.5	PASS
Band4	1413	2	NV	40	6.07	0.003503	±2.5	PASS
Band4	1413	2	NV	50	0.77	0.000444	±2.5	PASS
Band4	1413	3	NV	-30	1.92	0.001108	±2.5	PASS
Band4	1413	3	NV	-20	2.33	0.001345	±2.5	PASS
Band4	1413	3	NV	-10	4.12	0.002378	±2.5	PASS
Band4	1413	3	NV	0	1.02	0.000589	±2.5	PASS
Band4	1413	3	NV	10	2.71	0.001564	±2.5	PASS
Band4	1413	3	NV	20	2.83	0.001633	±2.5	PASS
Band4	1413	3	NV	30	1.07	0.000618	±2.5	PASS
Band4	1413	3	NV	40	-9.99	-0.005766	±2.5	PASS
Band4	1413	3	NV	50	-1.60	-0.000923	±2.5	PASS
Band4	1413	4	NV	-30	-5.71	-0.003296	±2.5	PASS
Band4	1413	4	NV	-20	-1.57	-0.000906	±2.5	PASS
Band4	1413	4	NV	-10	-5.34	-0.003082	±2.5	PASS
Band4	1413	4	NV	0	-2.94	-0.001697	±2.5	PASS
Band4	1413	4	NV	10	-5.51	-0.003180	±2.5	PASS
Band4	1413	4	NV	20	-8.17	-0.004715	±2.5	PASS
Band4	1413	4	NV	30	0.90	0.000519	±2.5	PASS
Band4	1413	4	NV	40	-0.39	-0.000225	±2.5	PASS
Band4	1413	4	NV	50	2.60	0.001501	±2.5	PASS
Band4	1513	1	NV	-30	9.11	0.005198	±2.5	PASS
Band4	1513	1	NV	-20	1.67	0.000953	±2.5	PASS
Band4	1513	1	NV	-10	8.73	0.004981	±2.5	PASS

Band4	1513	1	NV	0	0.80	0.000456	±2.5	PASS
Band4	1513	1	NV	10	-1.77	-0.001010	±2.5	PASS
Band4	1513	1	NV	20	6.90	0.003937	±2.5	PASS
Band4	1513	1	NV	30	3.95	0.002254	±2.5	PASS
Band4	1513	1	NV	40	-1.13	-0.000645	±2.5	PASS
Band4	1513	1	NV	50	-2.54	-0.001449	±2.5	PASS
Band4	1513	2	NV	-30	-4.53	-0.002585	±2.5	PASS
Band4	1513	2	NV	-20	-2.22	-0.001267	±2.5	PASS
Band4	1513	2	NV	-10	-2.74	-0.001563	±2.5	PASS
Band4	1513	2	NV	0	6.48	0.003697	±2.5	PASS
Band4	1513	2	NV	10	3.83	0.002185	±2.5	PASS
Band4	1513	2	NV	20	2.52	0.001438	±2.5	PASS
Band4	1513	2	NV	30	4.87	0.002779	±2.5	PASS
Band4	1513	2	NV	40	-4.00	-0.002282	±2.5	PASS
Band4	1513	2	NV	50	-0.64	-0.000365	±2.5	PASS
Band4	1513	3	NV	-30	-1.07	-0.000611	±2.5	PASS
Band4	1513	3	NV	-20	2.70	0.001541	±2.5	PASS
Band4	1513	3	NV	-10	4.19	0.002391	±2.5	PASS
Band4	1513	3	NV	0	6.45	0.003680	±2.5	PASS
Band4	1513	3	NV	10	-0.44	-0.000251	±2.5	PASS
Band4	1513	3	NV	20	3.46	0.001974	±2.5	PASS
Band4	1513	3	NV	30	-2.62	-0.001495	±2.5	PASS
Band4	1513	3	NV	40	-5.40	-0.003081	±2.5	PASS
Band4	1513	3	NV	50	0.14	0.000080	±2.5	PASS
Band4	1513	4	NV	-30	-4.23	-0.002414	±2.5	PASS
Band4	1513	4	NV	-20	-1.32	-0.000753	±2.5	PASS
Band4	1513	4	NV	-10	-6.90	-0.003937	±2.5	PASS
Band4	1513	4	NV	0	8.01	0.004570	±2.5	PASS
Band4	1513	4	NV	10	5.58	0.003184	±2.5	PASS
Band4	1513	4	NV	20	3.99	0.002277	±2.5	PASS
Band4	1513	4	NV	30	15.29	0.008724	±2.5	PASS
Band4	1513	4	NV	40	0.36	0.000205	±2.5	PASS
Band4	1513	4	NV	50	0.68	0.000388	±2.5	PASS

Voltage								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	1	VN	NT	-2.25	-0.001314	±2.5	PASS
Band4	1312	1	VL	NT	-10.83	-0.006324	±2.5	PASS
Band4	1312	1	VH	NT	4.11	0.002400	±2.5	PASS
Band4	1312	2	VN	NT	3.42	0.001997	±2.5	PASS

Band4	1312	2	VL	NT	2.44	0.001425	±2.5	PASS
Band4	1312	2	VH	NT	2.39	0.001396	±2.5	PASS
Band4	1312	3	VN	NT	-2.71	-0.001583	±2.5	PASS
Band4	1312	3	VL	NT	-1.60	-0.000934	±2.5	PASS
Band4	1312	3	VH	NT	-9.30	-0.005431	±2.5	PASS
Band4	1312	4	VN	NT	-0.45	-0.000263	±2.5	PASS
Band4	1312	4	VL	NT	-3.76	-0.002196	±2.5	PASS
Band4	1312	4	VH	NT	-3.10	-0.001810	±2.5	PASS
Band4	1312	5	VN	NT	3.49	0.002038	±2.5	PASS
Band4	1312	5	VL	NT	-4.64	-0.002710	±2.5	PASS
Band4	1312	5	VH	NT	-3.53	-0.002061	±2.5	PASS
Band4	1413	1	VN	NT	1.90	0.001097	±2.5	PASS
Band4	1413	1	VL	NT	6.87	0.003965	±2.5	PASS
Band4	1413	1	VH	NT	8.92	0.005148	±2.5	PASS
Band4	1413	2	VN	NT	-4.02	-0.002320	±2.5	PASS
Band4	1413	2	VL	NT	-2.23	-0.001287	±2.5	PASS
Band4	1413	2	VH	NT	-8.47	-0.004889	±2.5	PASS
Band4	1413	3	VN	NT	-2.29	-0.001322	±2.5	PASS
Band4	1413	3	VL	NT	-6.17	-0.003561	±2.5	PASS
Band4	1413	3	VH	NT	-9.37	-0.005408	±2.5	PASS
Band4	1413	4	VN	NT	4.97	0.002869	±2.5	PASS
Band4	1413	4	VL	NT	2.33	0.001345	±2.5	PASS
Band4	1413	4	VH	NT	2.97	0.001714	±2.5	PASS
Band4	1413	5	VN	NT	6.60	0.003809	±2.5	PASS
Band4	1413	5	VL	NT	3.86	0.002228	±2.5	PASS
Band4	1413	5	VH	NT	3.12	0.001801	±2.5	PASS
Band4	1513	1	VN	NT	5.90	0.003366	±2.5	PASS
Band4	1513	1	VL	NT	-4.72	-0.002693	±2.5	PASS
Band4	1513	1	VH	NT	1.29	0.000736	±2.5	PASS
Band4	1513	2	VN	NT	-3.50	-0.001997	±2.5	PASS
Band4	1513	2	VL	NT	-1.12	-0.000639	±2.5	PASS
Band4	1513	2	VH	NT	-0.34	-0.000194	±2.5	PASS
Band4	1513	3	VN	NT	6.71	0.003829	±2.5	PASS
Band4	1513	3	VL	NT	7.37	0.004205	±2.5	PASS
Band4	1513	3	VH	NT	0.84	0.000479	±2.5	PASS
Band4	1513	4	VN	NT	-5.02	-0.002864	±2.5	PASS
Band4	1513	4	VL	NT	-11.83	-0.006750	±2.5	PASS
Band4	1513	4	VH	NT	-4.26	-0.002431	±2.5	PASS
Band4	1513	5	VN	NT	-2.68	-0.001529	±2.5	PASS
Band4	1513	5	VL	NT	-1.56	-0.000890	±2.5	PASS
Band4	1513	5	VH	NT	-1.72	-0.000981	±2.5	PASS

Temperature								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	1	NV	-30	-6.09	-0.003556	±2.5	PASS
Band4	1312	1	NV	-20	-5.21	-0.003043	±2.5	PASS
Band4	1312	1	NV	-10	5.48	0.003200	±2.5	PASS
Band4	1312	1	NV	0	-0.06	-0.000035	±2.5	PASS
Band4	1312	1	NV	10	-0.41	-0.000239	±2.5	PASS
Band4	1312	1	NV	20	15.34	0.008958	±2.5	PASS
Band4	1312	1	NV	30	-4.43	-0.002587	±2.5	PASS
Band4	1312	1	NV	40	-7.52	-0.004391	±2.5	PASS
Band4	1312	1	NV	50	-5.42	-0.003165	±2.5	PASS
Band4	1312	2	NV	-30	-3.68	-0.002149	±2.5	PASS
Band4	1312	2	NV	-20	0.65	0.000380	±2.5	PASS
Band4	1312	2	NV	-10	-6.92	-0.004041	±2.5	PASS
Band4	1312	2	NV	0	-9.18	-0.005361	±2.5	PASS
Band4	1312	2	NV	10	3.04	0.001775	±2.5	PASS
Band4	1312	2	NV	20	9.35	0.005460	±2.5	PASS
Band4	1312	2	NV	30	2.44	0.001425	±2.5	PASS
Band4	1312	2	NV	40	2.52	0.001472	±2.5	PASS
Band4	1312	2	NV	50	-5.26	-0.003072	±2.5	PASS
Band4	1312	3	NV	-30	8.77	0.005121	±2.5	PASS
Band4	1312	3	NV	-20	5.49	0.003206	±2.5	PASS
Band4	1312	3	NV	-10	-1.31	-0.000765	±2.5	PASS
Band4	1312	3	NV	0	-0.34	-0.000199	±2.5	PASS
Band4	1312	3	NV	10	-1.98	-0.001156	±2.5	PASS
Band4	1312	3	NV	20	-9.77	-0.005705	±2.5	PASS
Band4	1312	3	NV	30	6.97	0.004070	±2.5	PASS
Band4	1312	3	NV	40	9.99	0.005834	±2.5	PASS
Band4	1312	3	NV	50	4.11	0.002400	±2.5	PASS
Band4	1312	4	NV	-30	2.89	0.001688	±2.5	PASS
Band4	1312	4	NV	-20	2.00	0.001168	±2.5	PASS
Band4	1312	4	NV	-10	-2.80	-0.001635	±2.5	PASS
Band4	1312	4	NV	0	-10.75	-0.006278	±2.5	PASS
Band4	1312	4	NV	10	-9.37	-0.005472	±2.5	PASS
Band4	1312	4	NV	20	5.02	0.002932	±2.5	PASS
Band4	1312	4	NV	30	2.01	0.001174	±2.5	PASS
Band4	1312	4	NV	40	6.55	0.003825	±2.5	PASS
Band4	1312	4	NV	50	7.70	0.004497	±2.5	PASS
Band4	1312	5	NV	-30	-4.75	-0.002774	±2.5	PASS
Band4	1312	5	NV	-20	-7.88	-0.004602	±2.5	PASS

Band4	1312	5	NV	-10	5.90	0.003445	±2.5	PASS
Band4	1312	5	NV	0	-1.15	-0.000672	±2.5	PASS
Band4	1312	5	NV	10	-4.88	-0.002850	±2.5	PASS
Band4	1312	5	NV	20	-8.21	-0.004794	±2.5	PASS
Band4	1312	5	NV	30	-3.81	-0.002225	±2.5	PASS
Band4	1312	5	NV	40	0.54	0.000315	±2.5	PASS
Band4	1312	5	NV	50	-1.07	-0.000625	±2.5	PASS
Band4	1413	1	NV	-30	9.58	0.005529	±2.5	PASS
Band4	1413	1	NV	-20	5.82	0.003359	±2.5	PASS
Band4	1413	1	NV	-10	1.39	0.000802	±2.5	PASS
Band4	1413	1	NV	0	4.13	0.002384	±2.5	PASS
Band4	1413	1	NV	10	-1.07	-0.000618	±2.5	PASS
Band4	1413	1	NV	20	0.79	0.000456	±2.5	PASS
Band4	1413	1	NV	30	3.90	0.002251	±2.5	PASS
Band4	1413	1	NV	40	5.99	0.003457	±2.5	PASS
Band4	1413	1	NV	50	8.35	0.004819	±2.5	PASS
Band4	1413	2	NV	-30	1.22	0.000704	±2.5	PASS
Band4	1413	2	NV	-20	2.50	0.001443	±2.5	PASS
Band4	1413	2	NV	-10	-3.86	-0.002228	±2.5	PASS
Band4	1413	2	NV	0	-5.70	-0.003290	±2.5	PASS
Band4	1413	2	NV	10	-8.61	-0.004969	±2.5	PASS
Band4	1413	2	NV	20	1.71	0.000987	±2.5	PASS
Band4	1413	2	NV	30	4.89	0.002822	±2.5	PASS
Band4	1413	2	NV	40	3.20	0.001847	±2.5	PASS
Band4	1413	2	NV	50	4.49	0.002591	±2.5	PASS
Band4	1413	3	NV	-30	12.75	0.007359	±2.5	PASS
Band4	1413	3	NV	-20	8.58	0.004952	±2.5	PASS
Band4	1413	3	NV	-10	0.39	0.000225	±2.5	PASS
Band4	1413	3	NV	0	7.00	0.004040	±2.5	PASS
Band4	1413	3	NV	10	-3.52	-0.002032	±2.5	PASS
Band4	1413	3	NV	20	5.59	0.003226	±2.5	PASS
Band4	1413	3	NV	30	1.18	0.000681	±2.5	PASS
Band4	1413	3	NV	40	1.49	0.000860	±2.5	PASS
Band4	1413	3	NV	50	-0.16	-0.000092	±2.5	PASS
Band4	1413	4	NV	-30	0.65	0.000375	±2.5	PASS
Band4	1413	4	NV	-20	0.73	0.000421	±2.5	PASS
Band4	1413	4	NV	-10	-3.62	-0.002089	±2.5	PASS
Band4	1413	4	NV	0	-4.96	-0.002863	±2.5	PASS
Band4	1413	4	NV	10	-5.92	-0.003417	±2.5	PASS
Band4	1413	4	NV	20	2.88	0.001662	±2.5	PASS
Band4	1413	4	NV	30	4.58	0.002643	±2.5	PASS

Band4	1413	4	NV	40	1.54	0.000889	±2.5	PASS
Band4	1413	4	NV	50	0.24	0.000139	±2.5	PASS
Band4	1413	5	NV	-30	0.08	0.000046	±2.5	PASS
Band4	1413	5	NV	-20	-6.55	-0.003780	±2.5	PASS
Band4	1413	5	NV	-10	-1.85	-0.001068	±2.5	PASS
Band4	1413	5	NV	0	-2.63	-0.001518	±2.5	PASS
Band4	1413	5	NV	10	-5.16	-0.002978	±2.5	PASS
Band4	1413	5	NV	20	1.90	0.001097	±2.5	PASS
Band4	1413	5	NV	30	1.47	0.000848	±2.5	PASS
Band4	1413	5	NV	40	5.34	0.003082	±2.5	PASS
Band4	1413	5	NV	50	0.98	0.000566	±2.5	PASS
Band4	1513	1	NV	-30	-3.05	-0.001740	±2.5	PASS
Band4	1513	1	NV	-20	-3.16	-0.001803	±2.5	PASS
Band4	1513	1	NV	-10	-3.18	-0.001814	±2.5	PASS
Band4	1513	1	NV	0	-0.77	-0.000439	±2.5	PASS
Band4	1513	1	NV	10	1.38	0.000787	±2.5	PASS
Band4	1513	1	NV	20	3.13	0.001786	±2.5	PASS
Band4	1513	1	NV	30	7.70	0.004393	±2.5	PASS
Band4	1513	1	NV	40	1.27	0.000725	±2.5	PASS
Band4	1513	1	NV	50	4.28	0.002442	±2.5	PASS
Band4	1513	2	NV	-30	-0.19	-0.000108	±2.5	PASS
Band4	1513	2	NV	-20	-3.23	-0.001843	±2.5	PASS
Band4	1513	2	NV	-10	5.31	0.003030	±2.5	PASS
Band4	1513	2	NV	0	-4.27	-0.002436	±2.5	PASS
Band4	1513	2	NV	10	-4.44	-0.002533	±2.5	PASS
Band4	1513	2	NV	20	-4.39	-0.002505	±2.5	PASS
Band4	1513	2	NV	30	-8.00	-0.004565	±2.5	PASS
Band4	1513	2	NV	40	2.90	0.001655	±2.5	PASS
Band4	1513	2	NV	50	-0.28	-0.000160	±2.5	PASS
Band4	1513	3	NV	-30	-3.17	-0.001809	±2.5	PASS
Band4	1513	3	NV	-20	-1.09	-0.000622	±2.5	PASS
Band4	1513	3	NV	-10	-0.20	-0.000114	±2.5	PASS
Band4	1513	3	NV	0	-4.43	-0.002528	±2.5	PASS
Band4	1513	3	NV	10	2.88	0.001643	±2.5	PASS
Band4	1513	3	NV	20	-2.47	-0.001409	±2.5	PASS
Band4	1513	3	NV	30	-3.85	-0.002197	±2.5	PASS
Band4	1513	3	NV	40	-2.94	-0.001678	±2.5	PASS
Band4	1513	3	NV	50	12.82	0.007315	±2.5	PASS
Band4	1513	4	NV	-30	-5.90	-0.003366	±2.5	PASS
Band4	1513	4	NV	-20	0.04	0.000023	±2.5	PASS
Band4	1513	4	NV	-10	-2.27	-0.001295	±2.5	PASS

Band4	1513	4	NV	0	1.28	0.000730	±2.5	PASS
Band4	1513	4	NV	10	3.87	0.002208	±2.5	PASS
Band4	1513	4	NV	20	-3.51	-0.002003	±2.5	PASS
Band4	1513	4	NV	30	2.07	0.001181	±2.5	PASS
Band4	1513	4	NV	40	1.12	0.000639	±2.5	PASS
Band4	1513	4	NV	50	3.22	0.001837	±2.5	PASS
Band4	1513	5	NV	-30	6.09	0.003475	±2.5	PASS
Band4	1513	5	NV	-20	-1.11	-0.000633	±2.5	PASS
Band4	1513	5	NV	-10	-0.67	-0.000382	±2.5	PASS
Band4	1513	5	NV	0	-5.71	-0.003258	±2.5	PASS
Band4	1513	5	NV	10	6.63	0.003783	±2.5	PASS
Band4	1513	5	NV	20	1.17	0.000668	±2.5	PASS
Band4	1513	5	NV	30	-1.13	-0.000645	±2.5	PASS
Band4	1513	5	NV	40	-2.57	-0.001466	±2.5	PASS
Band4	1513	5	NV	50	-7.22	-0.004120	±2.5	PASS

Appendix G: Modulation Characteristics

Test Result

Band	Channel	Result	Verdict
Band4	1312	PASS	PASS
Band4	1413	PASS	PASS
Band4	1513	PASS	PASS

Test Graphs

