

AppendixA: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	conducted power(dBm)	Max AntGain (dBi)	EIRP (dBm)	Limit(dBm)	Verdict
Band4	1312	23.04	-1.3	21.74	30	PASS
Band4	1413	23.00	-1.3	21.70	30	PASS
Band4	1513	22.77	-1.3	21.47	30	PASS

Band	Channel	SubTest	conducted power(dBm)	Max AntGain (dBi)	EIRP (dBm)	Limit(dBm)	Verdict
Band4	1312	1	22.22	-1.3	20.92	30	PASS
Band4	1312	2	21.65	-1.3	20.35	30	PASS
Band4	1312	3	21.61	-1.3	20.31	30	PASS
Band4	1312	4	21.59	-1.3	20.29	30	PASS
Band4	1413	1	22.27	-1.3	20.97	30	PASS
Band4	1413	2	21.71	-1.3	20.41	30	PASS
Band4	1413	3	21.60	-1.3	20.30	30	PASS
Band4	1413	4	21.66	-1.3	20.36	30	PASS
Band4	1513	1	21.94	-1.3	20.64	30	PASS
Band4	1513	2	21.47	-1.3	20.17	30	PASS
Band4	1513	3	21.35	-1.3	20.05	30	PASS
Band4	1513	4	21.36	-1.3	20.06	30	PASS

Band	Channel	SubTest	conducted power(dBm)	Max AntGain (dBi)	EIRP (dBm)	Limit(dBm)	Verdict
Band4	1312	1	20.94	-1.3	19.64	30	PASS
Band4	1312	2	20.36	-1.3	19.06	30	PASS
Band4	1312	3	20.86	-1.3	19.56	30	PASS
Band4	1312	4	18.06	-1.3	16.76	30	PASS
Band4	1312	5	20.74	-1.3	19.44	30	PASS
Band4	1413	1	20.91	-1.3	19.61	30	PASS
Band4	1413	2	20.38	-1.3	19.08	30	PASS
Band4	1413	3	20.87	-1.3	19.57	30	PASS
Band4	1413	4	18.16	-1.3	16.86	30	PASS
Band4	1413	5	20.66	-1.3	19.36	30	PASS
Band4	1513	1	20.45	-1.3	19.15	30	PASS
Band4	1513	2	19.70	-1.3	18.40	30	PASS

Band4	1513	3	20.57	-1.3	19.27	30	PASS
Band4	1513	4	17.65	-1.3	16.35	30	PASS
Band4	1513	5	20.26	-1.3	18.96	30	PASS

AppendixB:Peak-to-Average Ratio

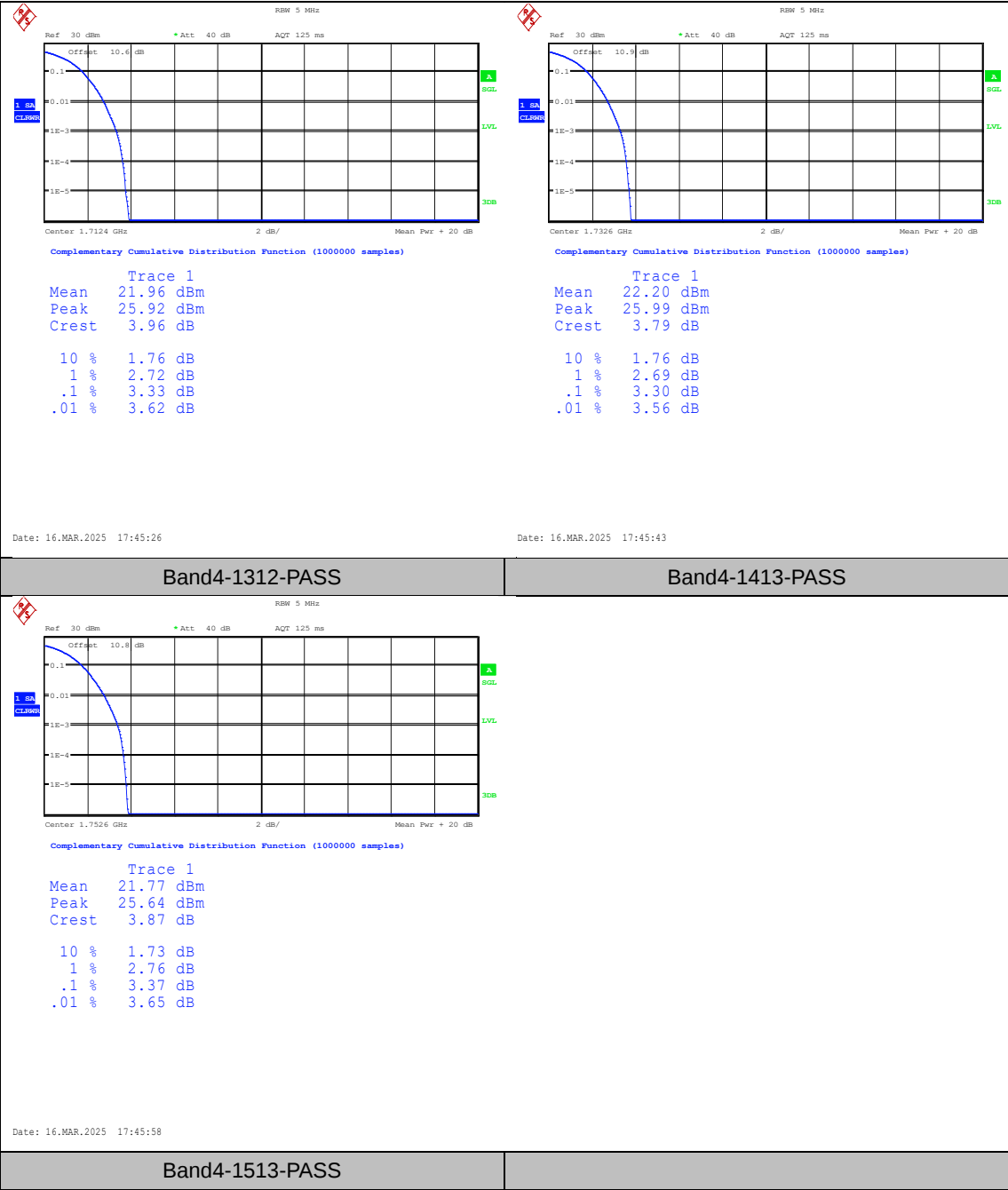
Test Result

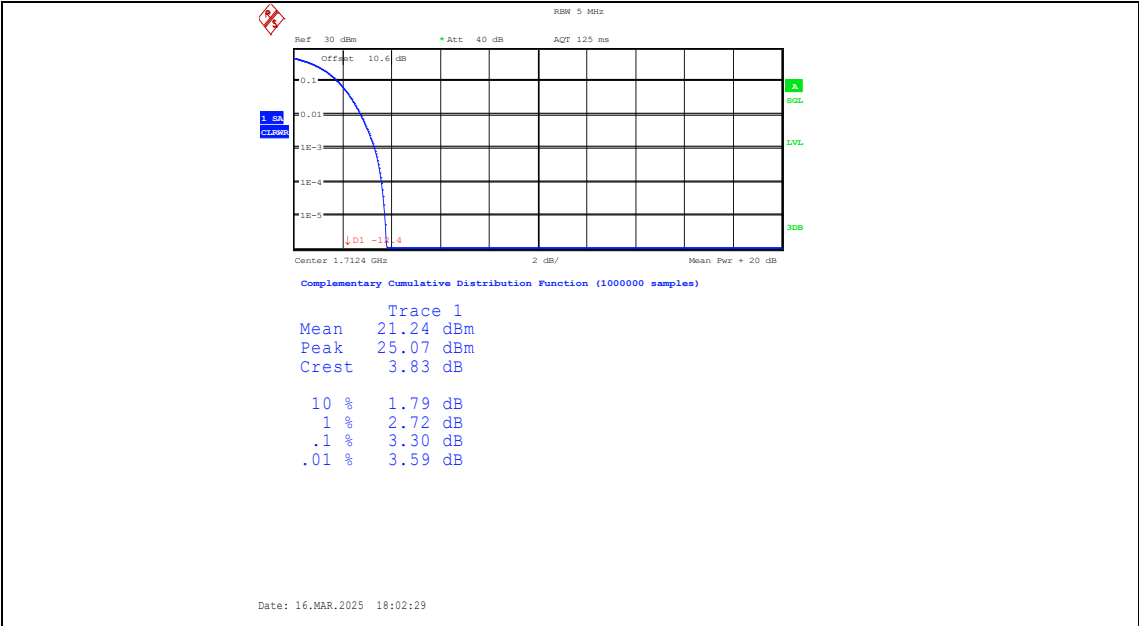
Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band4	1312	3.33	13	PASS
Band4	1413	3.3	13	PASS
Band4	1513	3.37	13	PASS

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band4	1312	1	3.3	13	PASS
Band4	1312	2	3.81	13	PASS
Band4	1312	3	4.04	13	PASS
Band4	1312	4	4.1	13	PASS
Band4	1413	1	3.27	13	PASS
Band4	1413	2	3.81	13	PASS
Band4	1413	3	4.07	13	PASS
Band4	1413	4	4.13	13	PASS
Band4	1513	1	3.4	13	PASS
Band4	1513	2	3.75	13	PASS
Band4	1513	3	4.04	13	PASS
Band4	1513	4	4.13	13	PASS

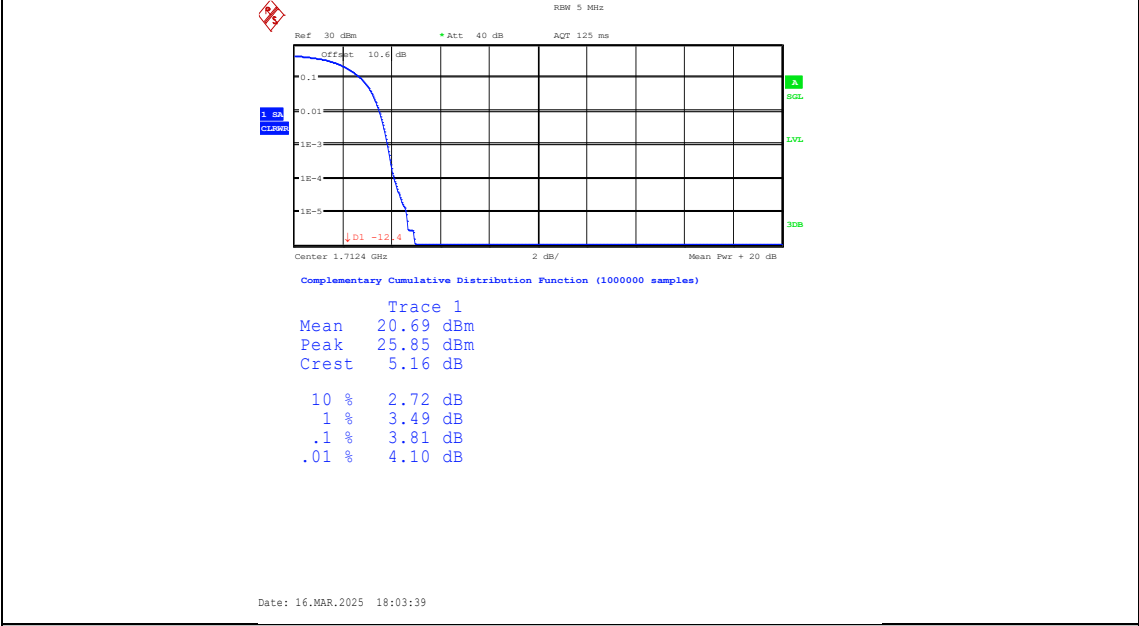
Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band4	1312	1	4.52	13	PASS
Band4	1312	2	5.45	13	PASS
Band4	1312	3	4.9	13	PASS
Band4	1312	4	5.29	13	PASS
Band4	1312	5	4.29	13	PASS
Band4	1413	1	4.42	13	PASS
Band4	1413	2	5.48	13	PASS
Band4	1413	3	4.87	13	PASS
Band4	1413	4	5.42	13	PASS
Band4	1413	5	4.26	13	PASS
Band4	1513	1	4.42	13	PASS
Band4	1513	2	5.45	13	PASS
Band4	1513	3	5.03	13	PASS
Band4	1513	4	5.38	13	PASS
Band4	1513	5	4.29	13	PASS

Test Graphs

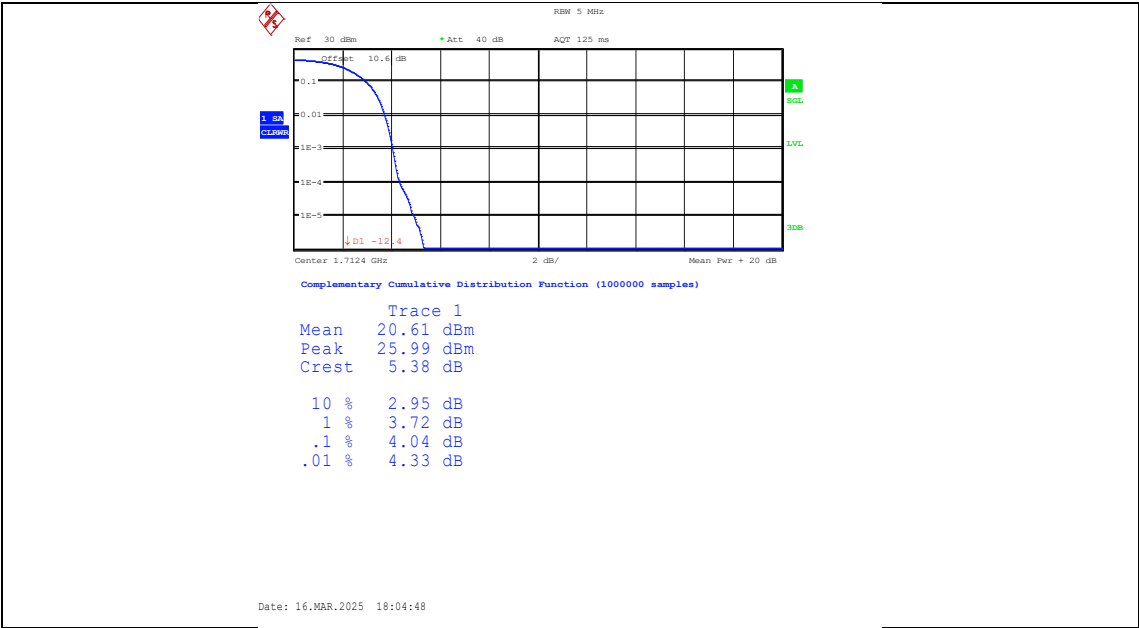




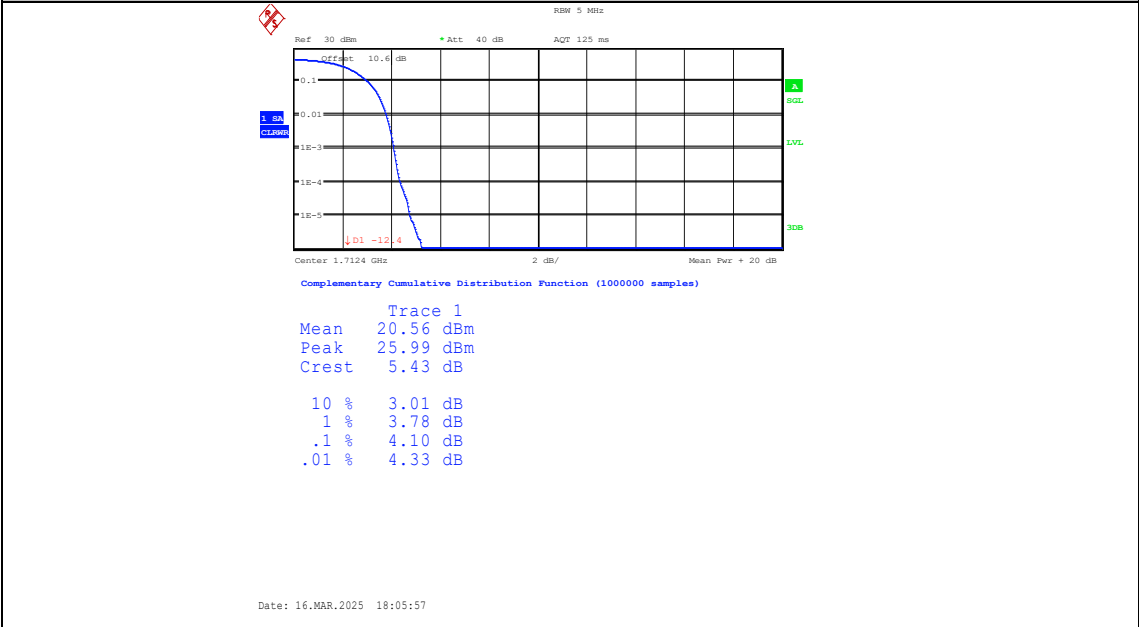
Band4-1312-1-PASS



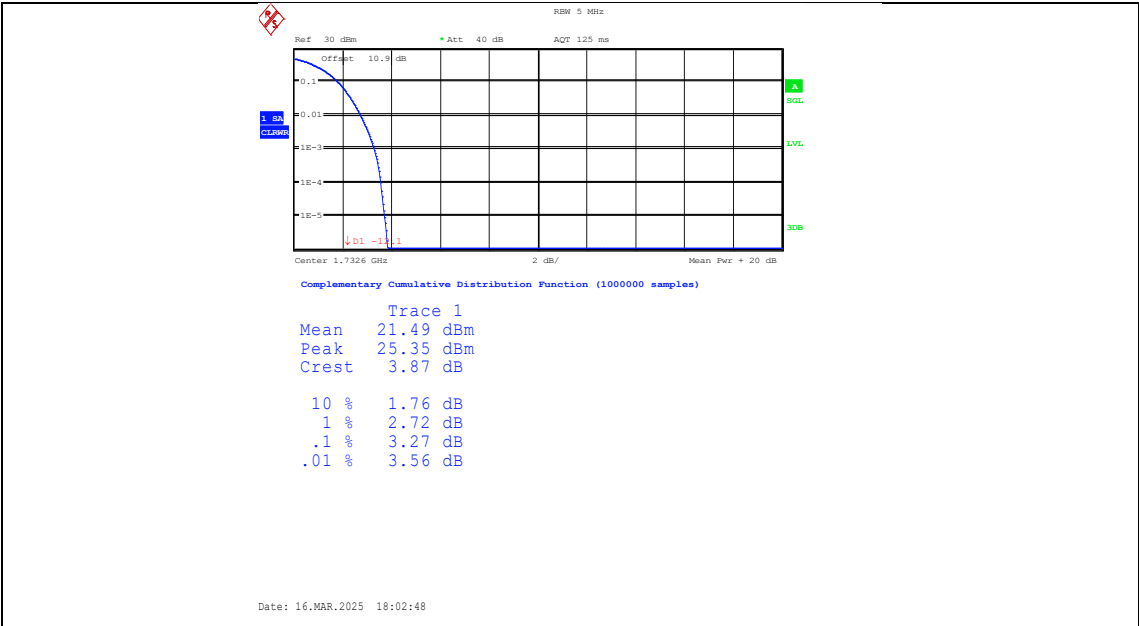
Band4-1312-2-PASS



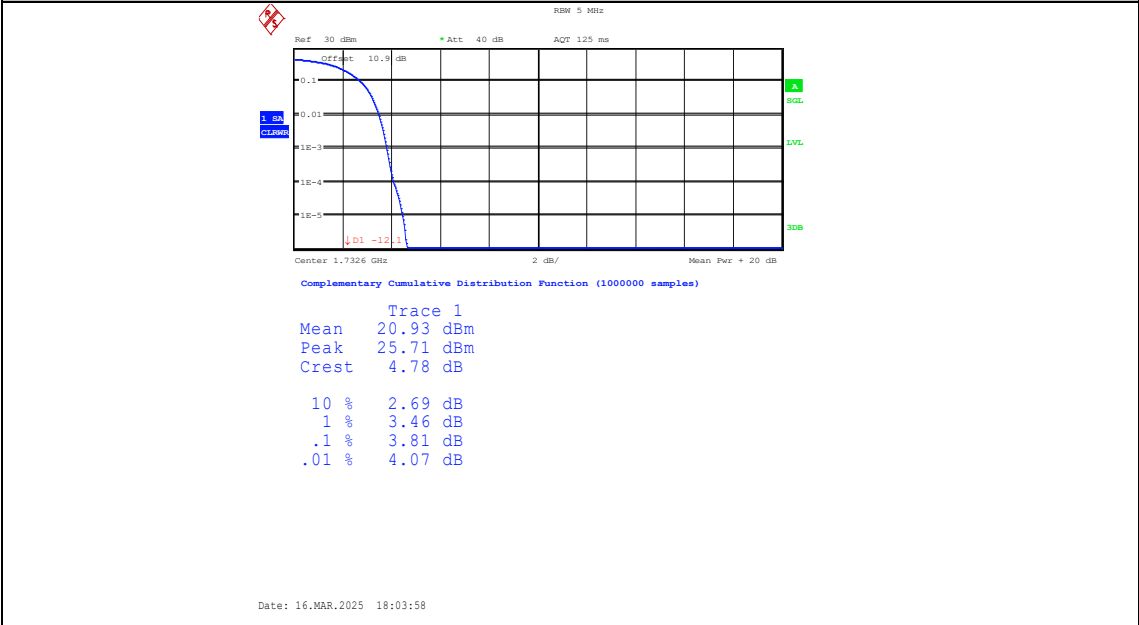
Band4-1312-3-PASS



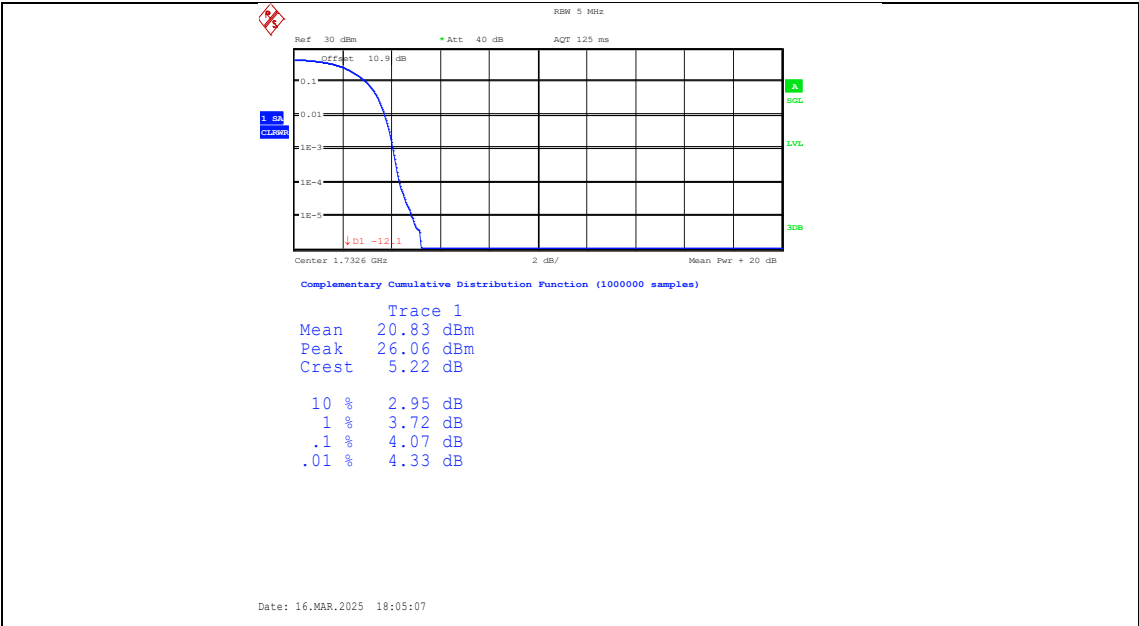
Band4-1312-4-PASS



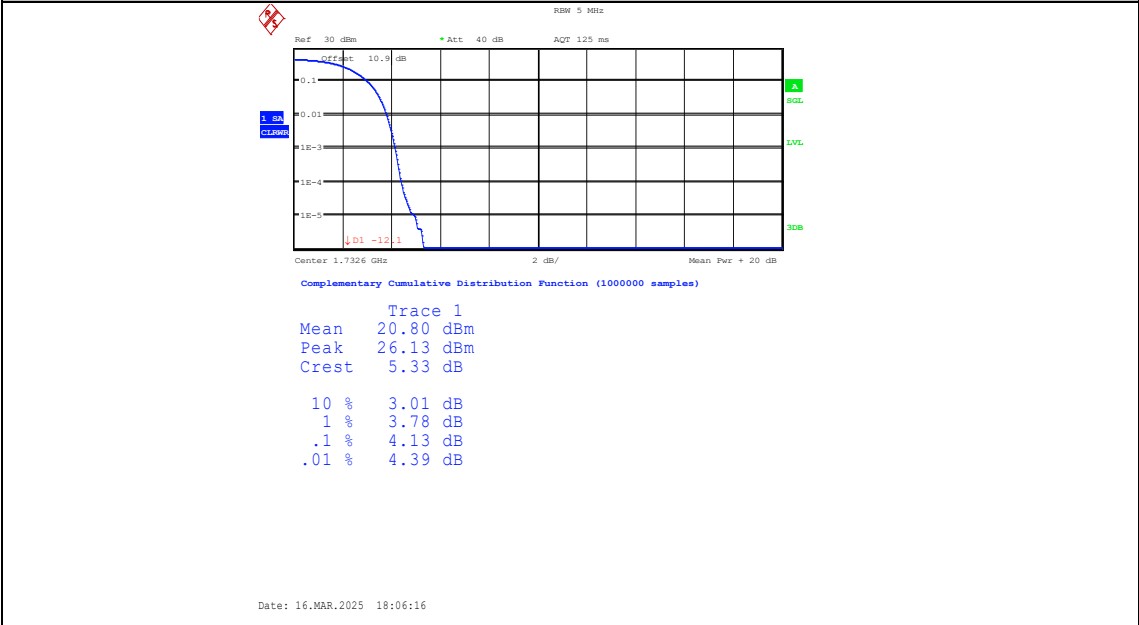
Band4-1413-1-PASS



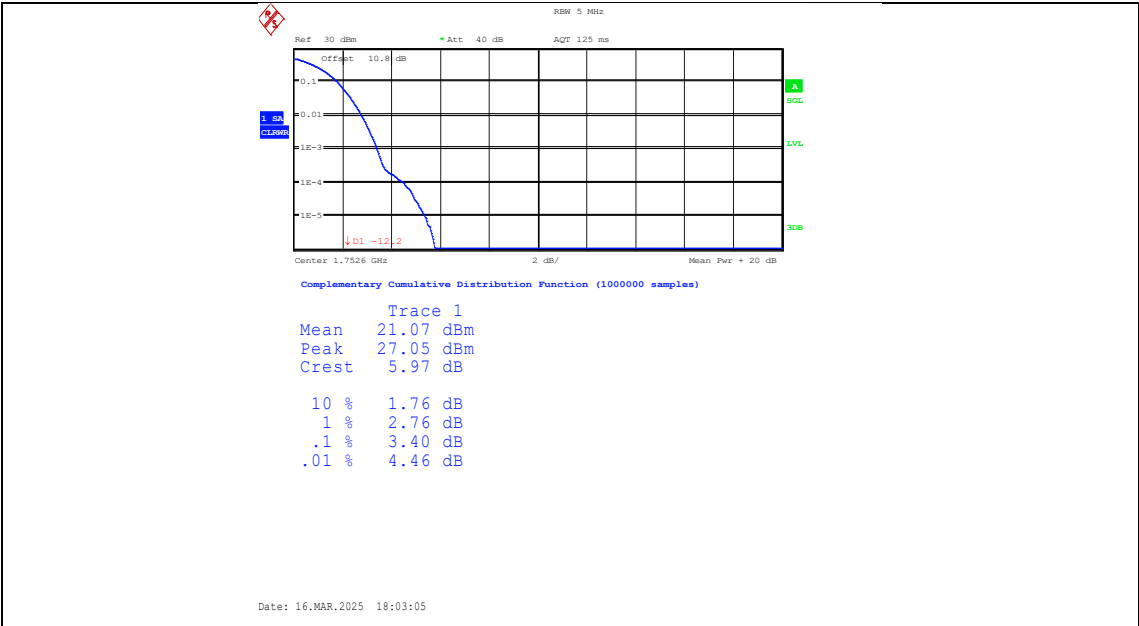
Band4-1413-2-PASS



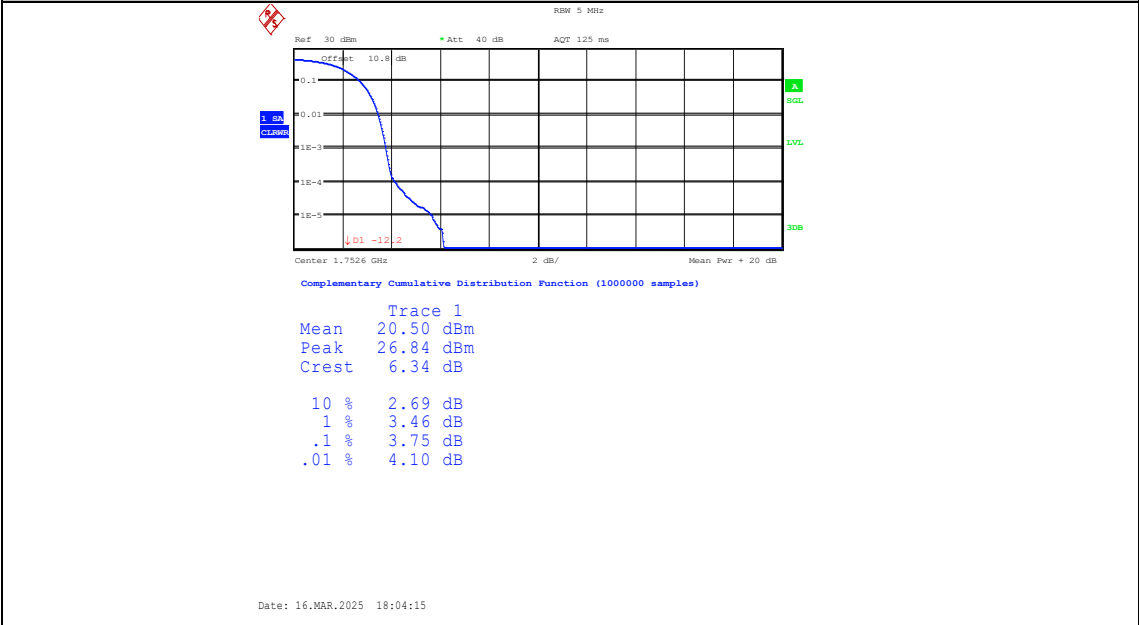
Band4-1413-3-PASS



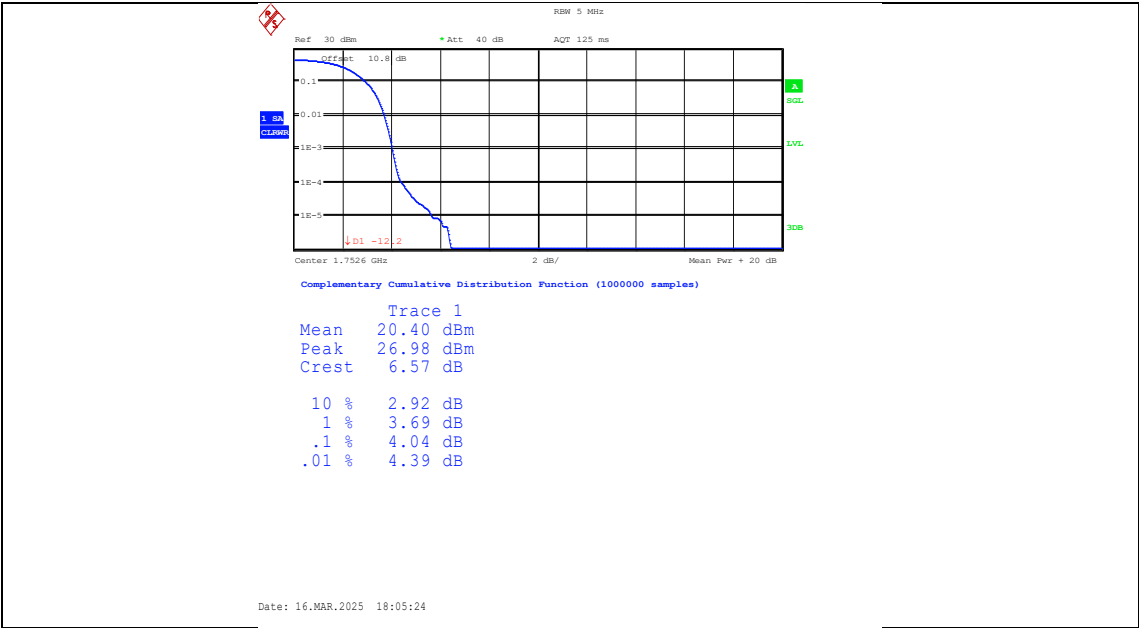
Band4-1413-4-PASS



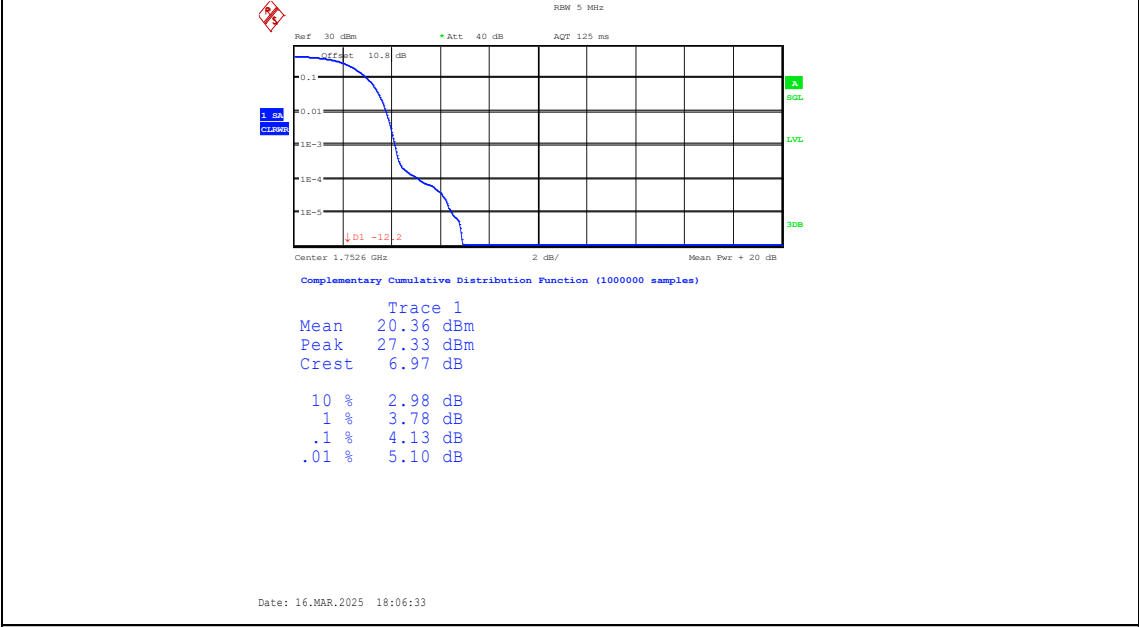
Band4-1513-1-PASS



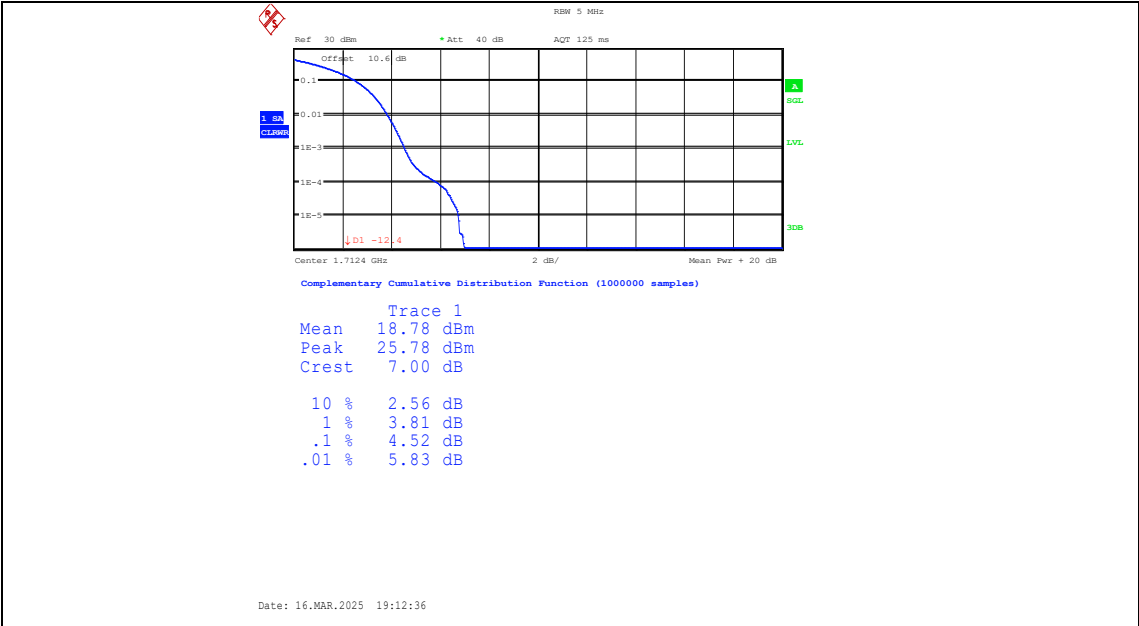
Band4-1513-2-PASS



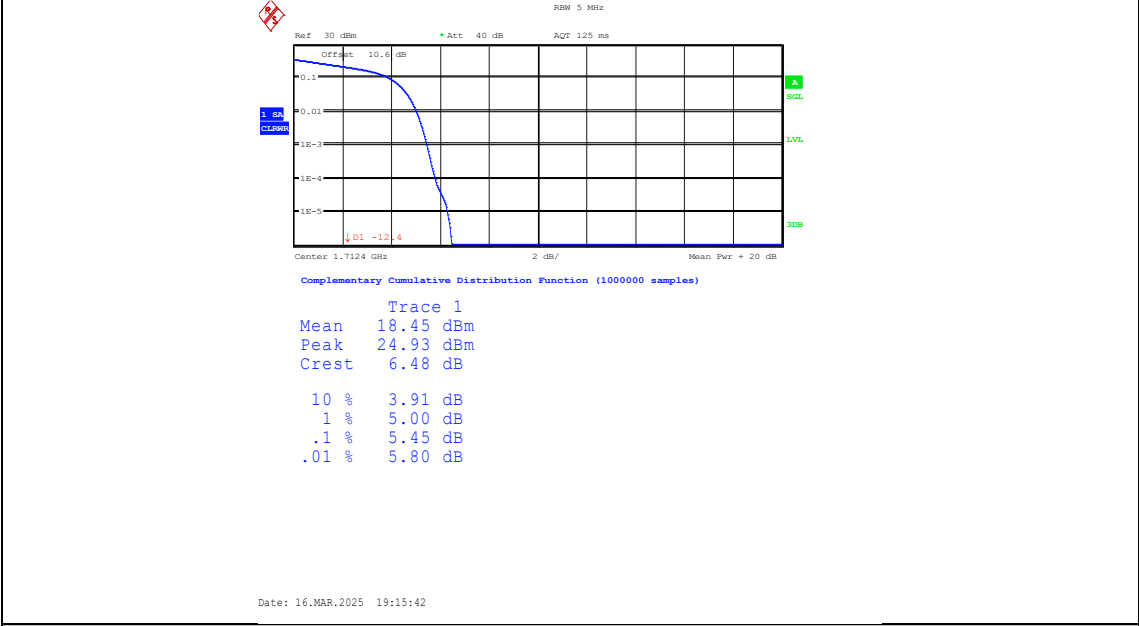
Band4-1513-3-PASS



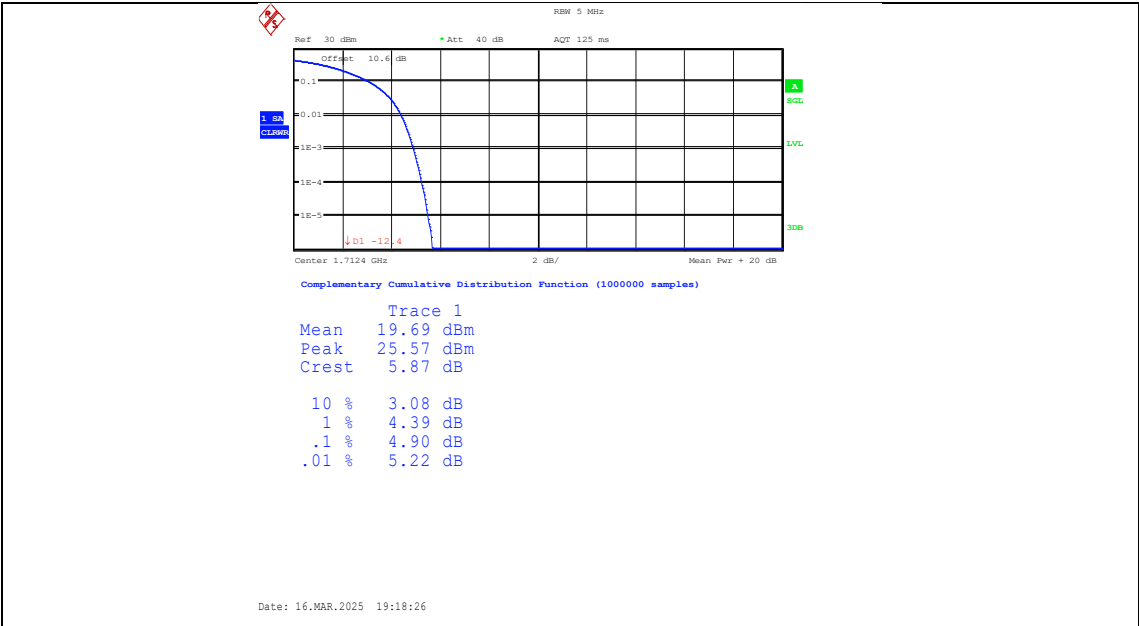
Band4-1513-4-PASS



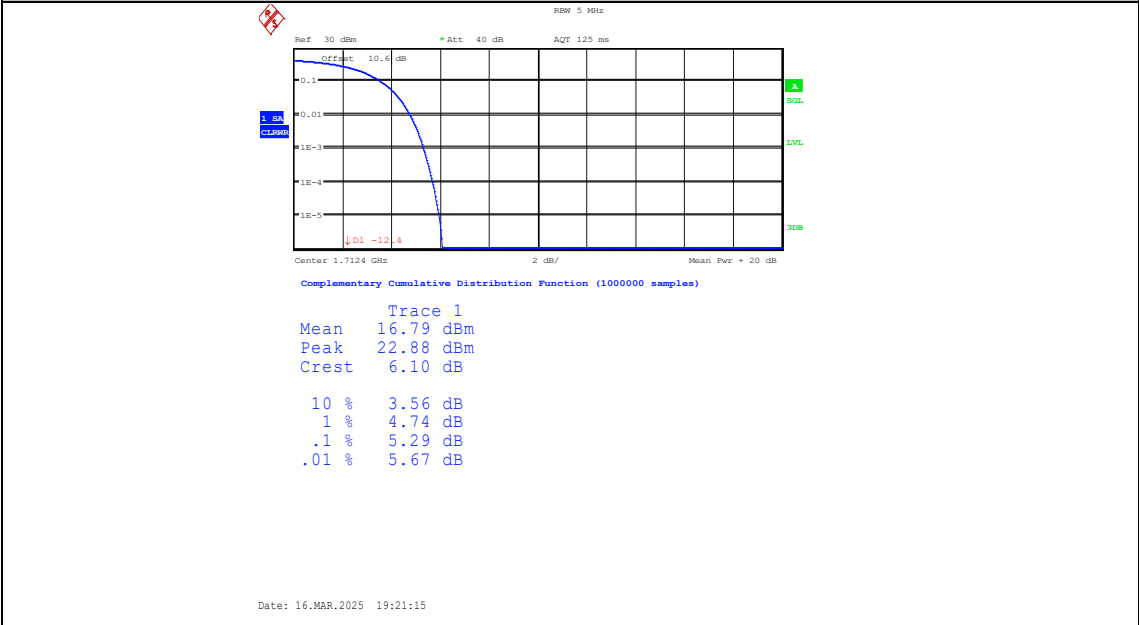
Band4-1312-1-PASS



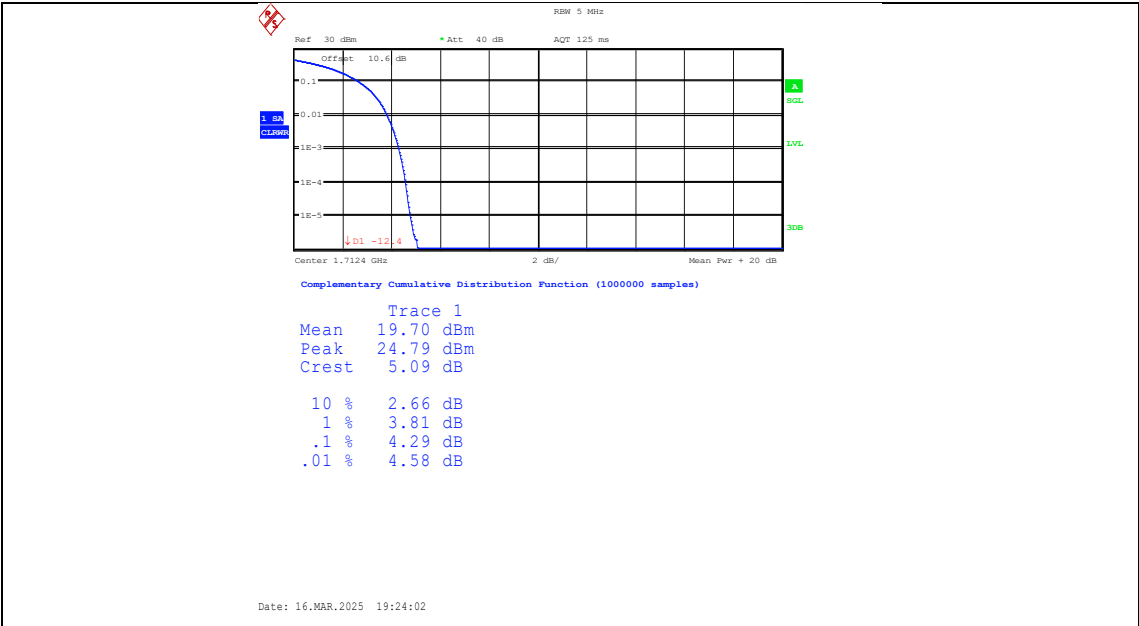
Band4-1312-2-PASS



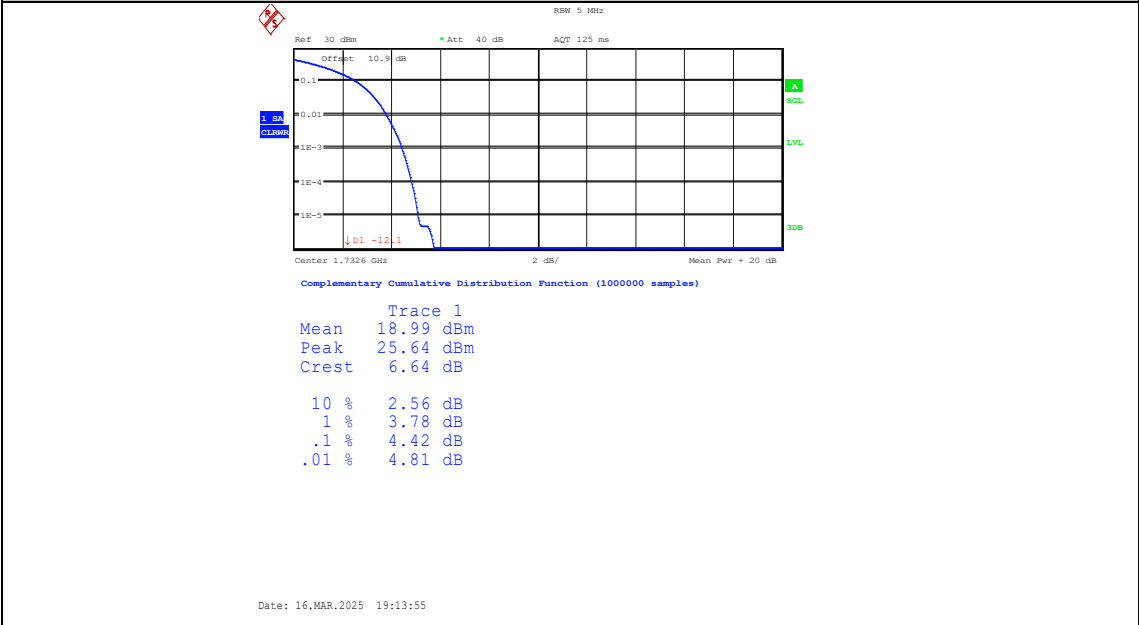
Band4-1312-3-PASS



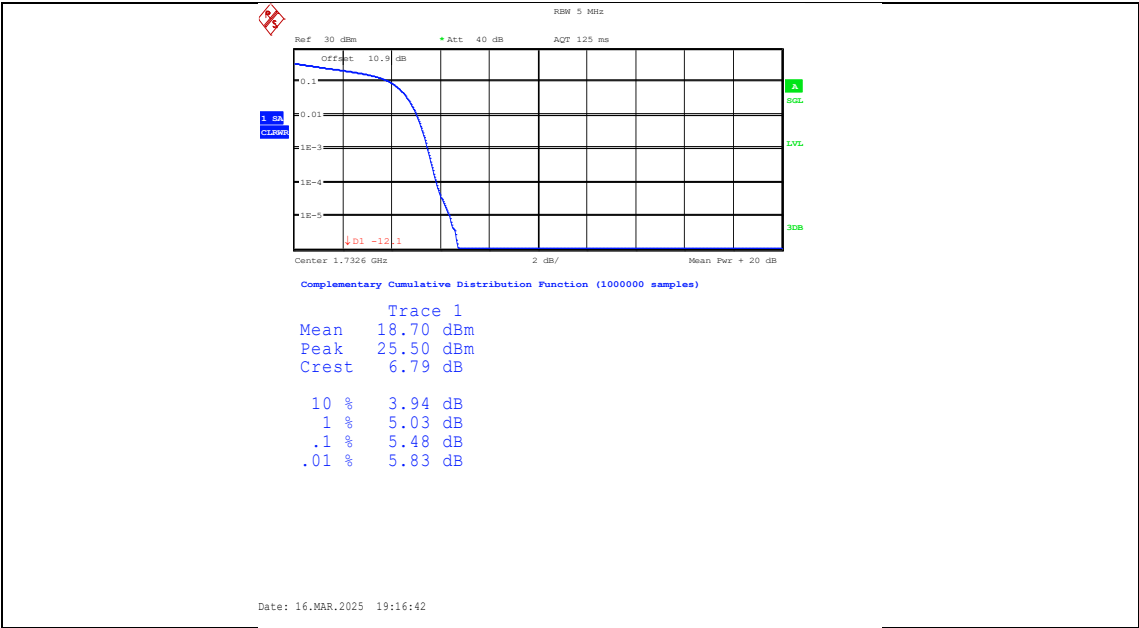
Band4-1312-4-PASS



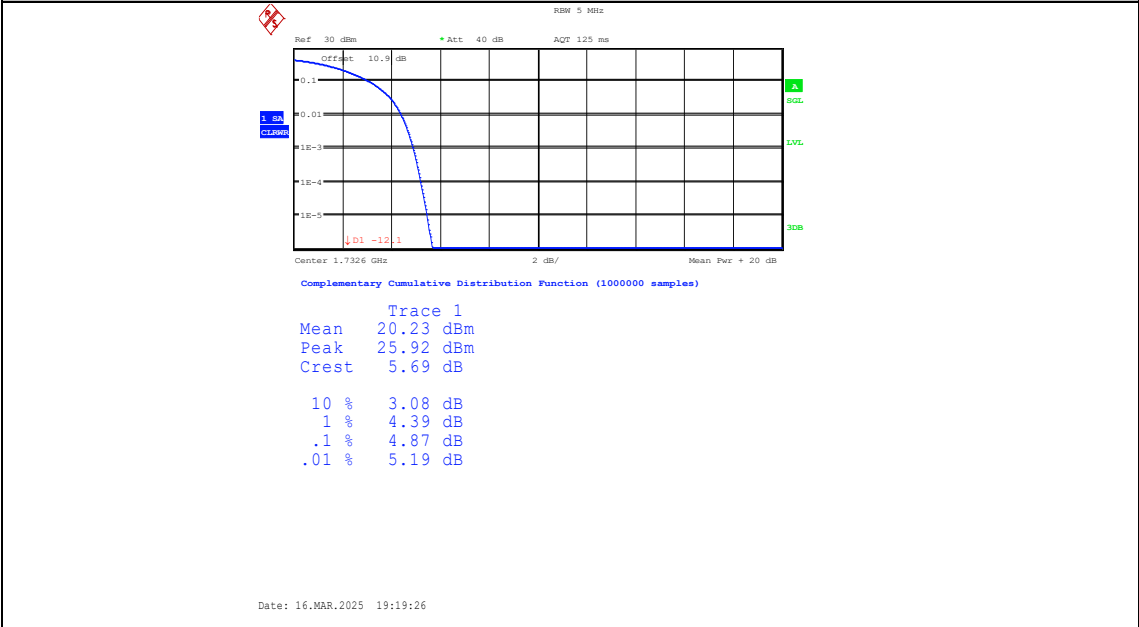
Band4-1312-5-PASS



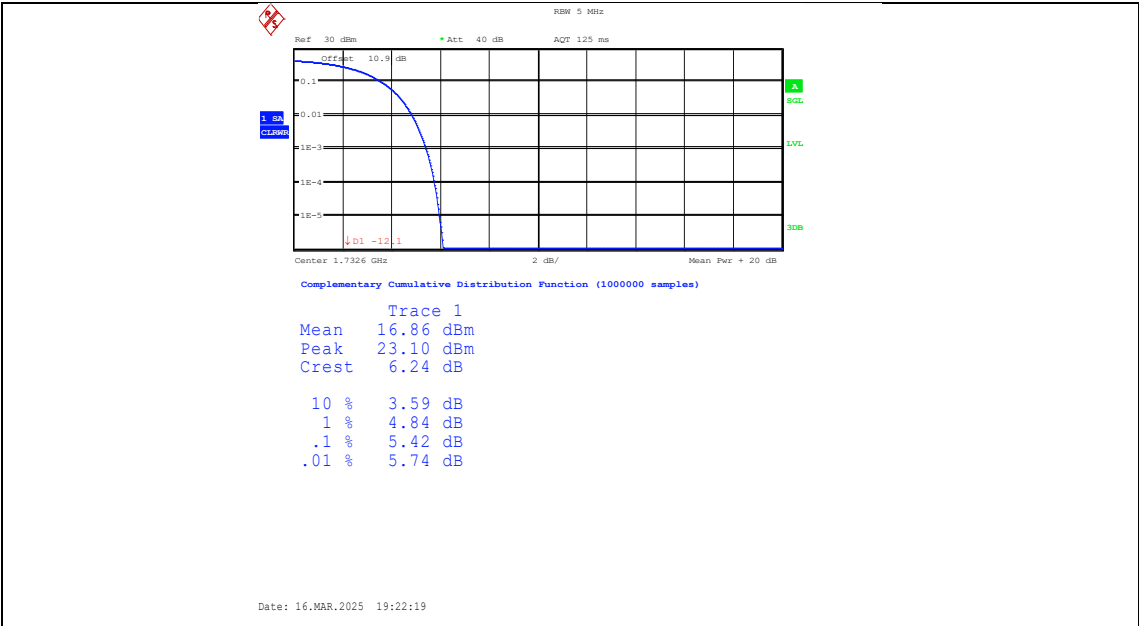
Band4-1413-1-PASS



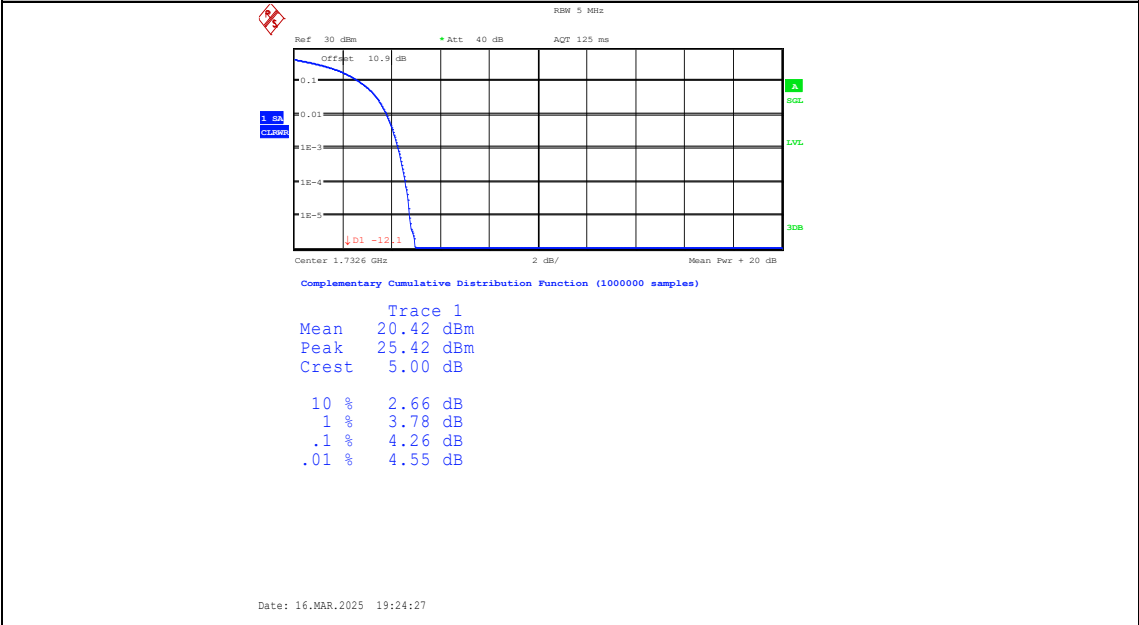
Band4-1413-2-PASS



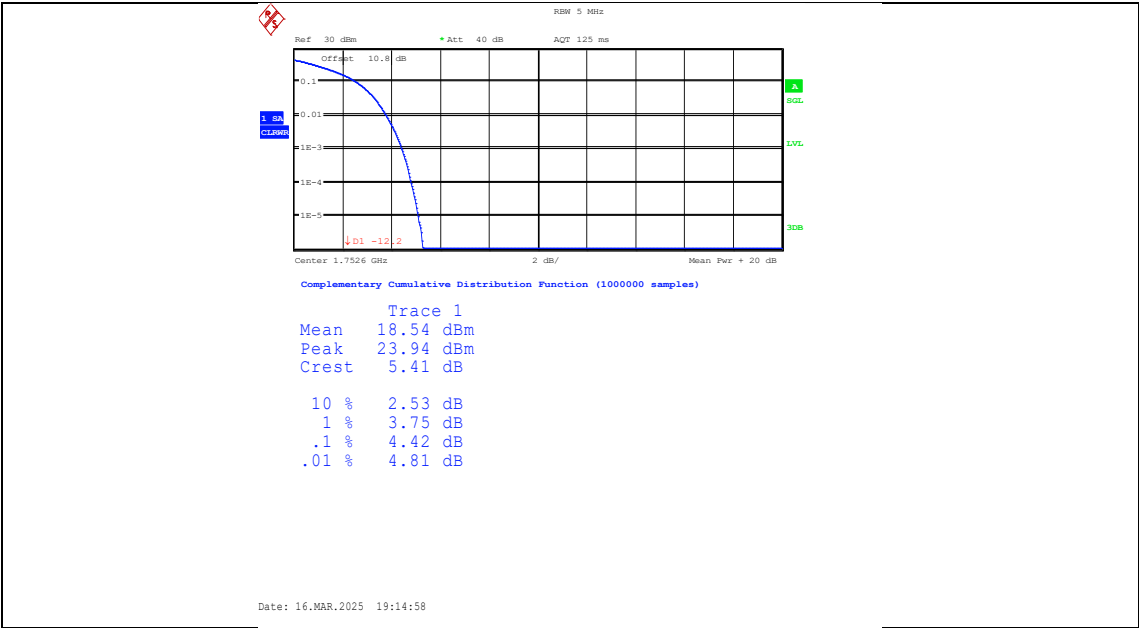
Band4-1413-3-PASS



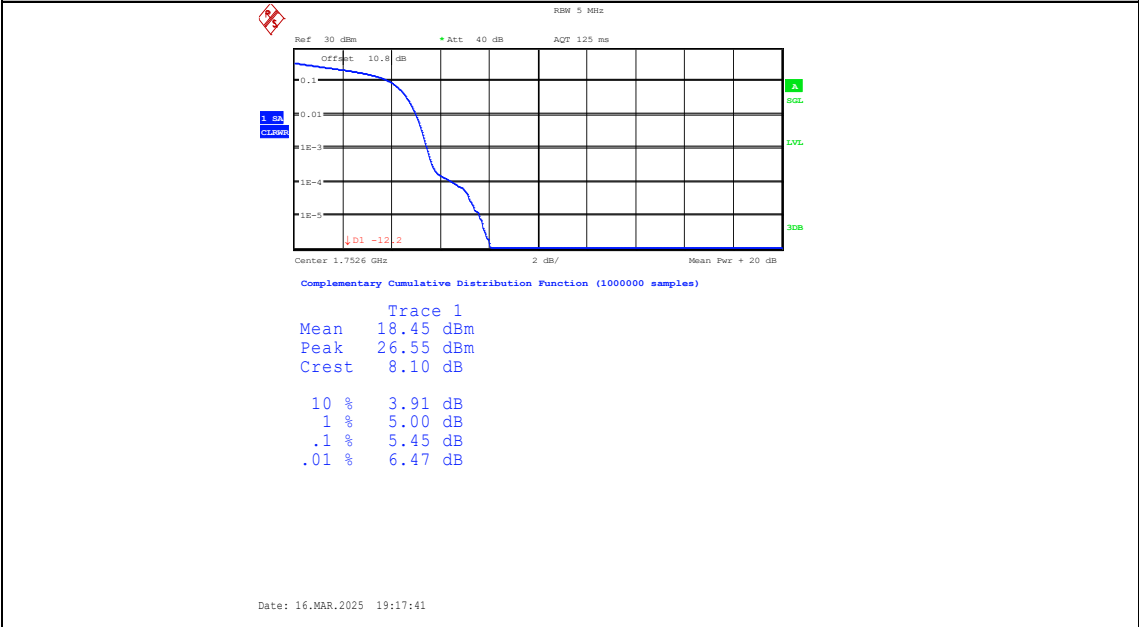
Band4-1413-4-PASS



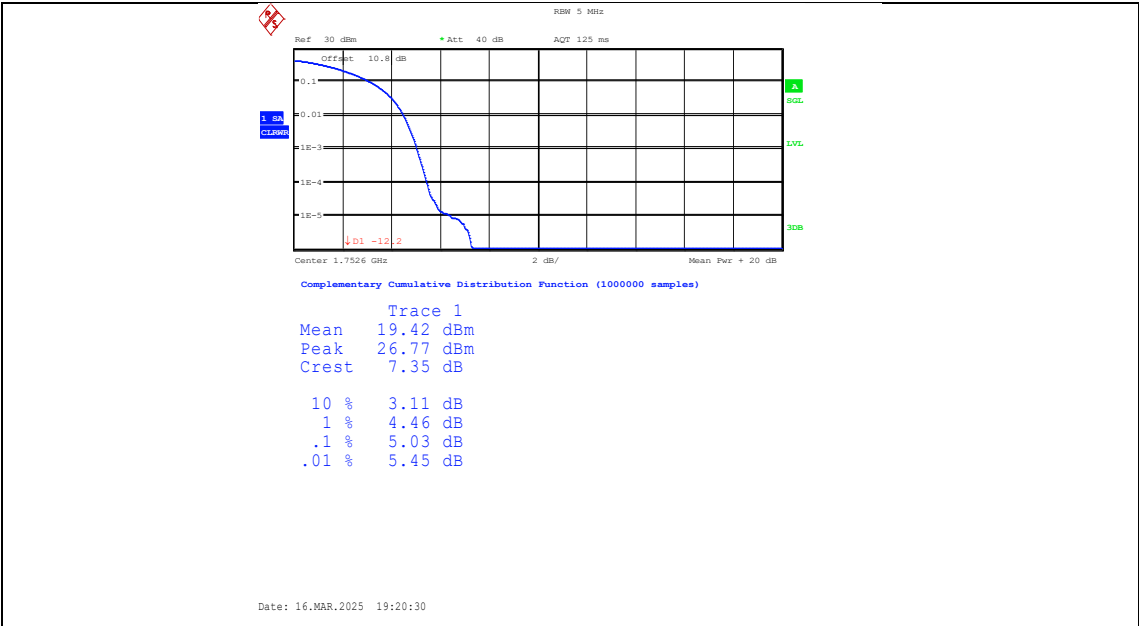
Band4-1413-5-PASS



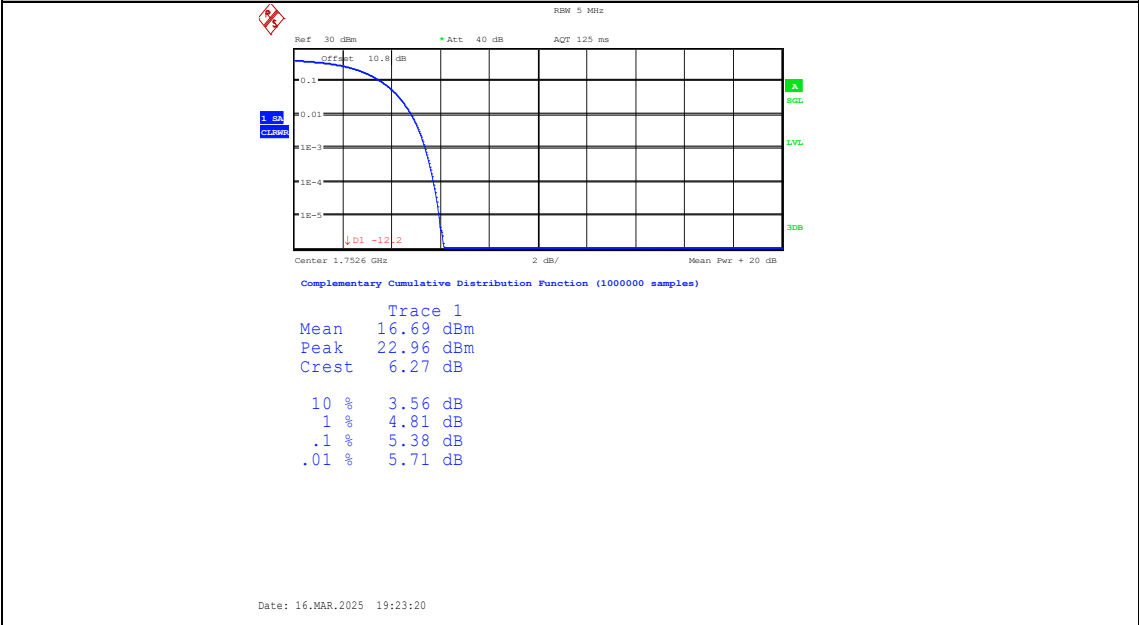
Band4-1513-1-PASS



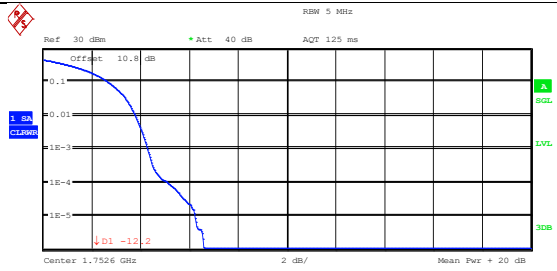
Band4-1513-2-PASS



Band4-1513-3-PASS



Band4-1513-4-PASS



Complementary Cumulative Distribution Function (1000000 samples)

Trace 1
Mean 19.60 dBm
Peak 26.27 dBm
Crest 6.67 dB

10 % 2.66 dB
1 % 3.78 dB
.1 % 4.29 dB
.01 % 5.10 dB

Date: 16.MAR.2025 19:24:53

Band4-1513-5-PASS

AppendixC:26dB Bandwidth andOccupied Bandwidth

Test Result

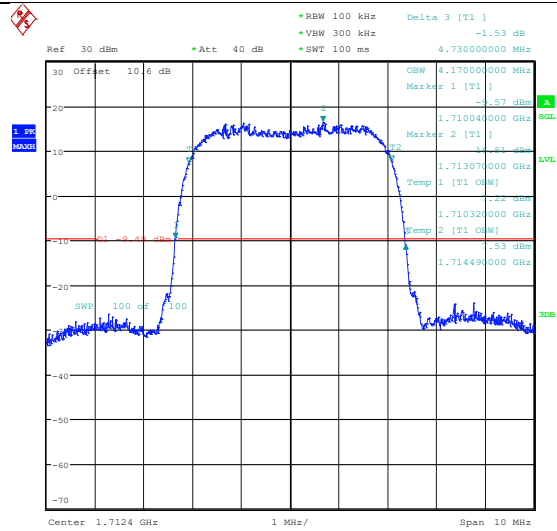
Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band4	1312	4.17	4.71	---	PASS
Band4	1413	4.17	4.74	---	PASS
Band4	1513	4.17	4.73	---	PASS

Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band4	1312	1	4.17	4.73	---	PASS
Band4	1312	2	4.17	4.72	---	PASS
Band4	1312	3	4.16	4.71	---	PASS
Band4	1312	4	4.16	4.71	---	PASS
Band4	1413	1	4.16	4.73	---	PASS
Band4	1413	2	4.16	4.73	---	PASS
Band4	1413	3	4.16	4.72	---	PASS
Band4	1413	4	4.17	4.73	---	PASS
Band4	1513	1	4.17	4.74	---	PASS
Band4	1513	2	4.17	4.72	---	PASS
Band4	1513	3	4.16	4.72	---	PASS
Band4	1513	4	4.18	4.71	---	PASS

Band	Channel	SubTest	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(kHz)	Verdict
Band4	1312	1	4.19	4.73	---	PASS
Band4	1312	2	4.18	4.72	---	PASS
Band4	1312	3	4.19	4.72	---	PASS
Band4	1312	4	4.18	4.73	---	PASS
Band4	1312	5	4.17	4.72	---	PASS
Band4	1413	1	4.19	4.74	---	PASS
Band4	1413	2	4.19	4.74	---	PASS
Band4	1413	3	4.2	4.74	---	PASS
Band4	1413	4	4.18	4.72	---	PASS
Band4	1413	5	4.17	4.74	---	PASS
Band4	1513	1	4.19	4.73	---	PASS
Band4	1513	2	4.19	4.73	---	PASS
Band4	1513	3	4.19	4.72	---	PASS

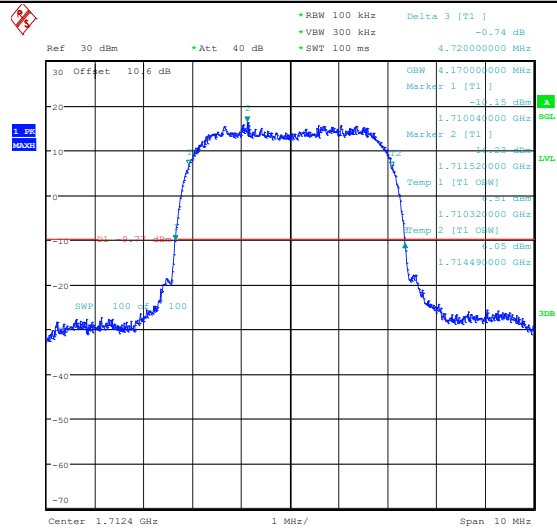
Band4	1513	4	4.18	4.72	---	PASS
Band4	1513	5	4.17	4.73	---	PASS

[illegible]



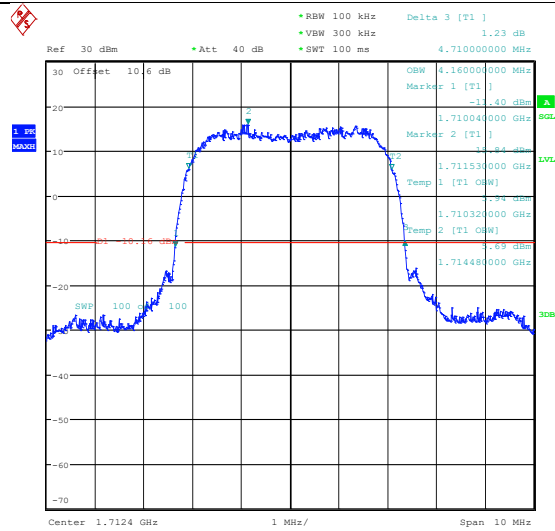
Date: 16.MAR.2025 18:31:36

Band4-1312-1-PASS



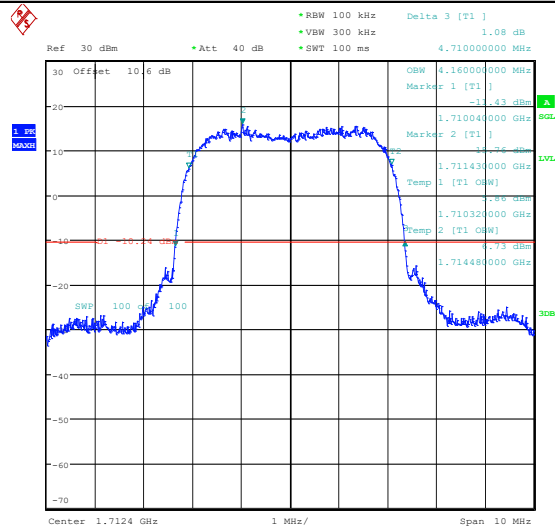
Date: 16.MAR.2025 18:33:22

Band4-1312-2-PASS



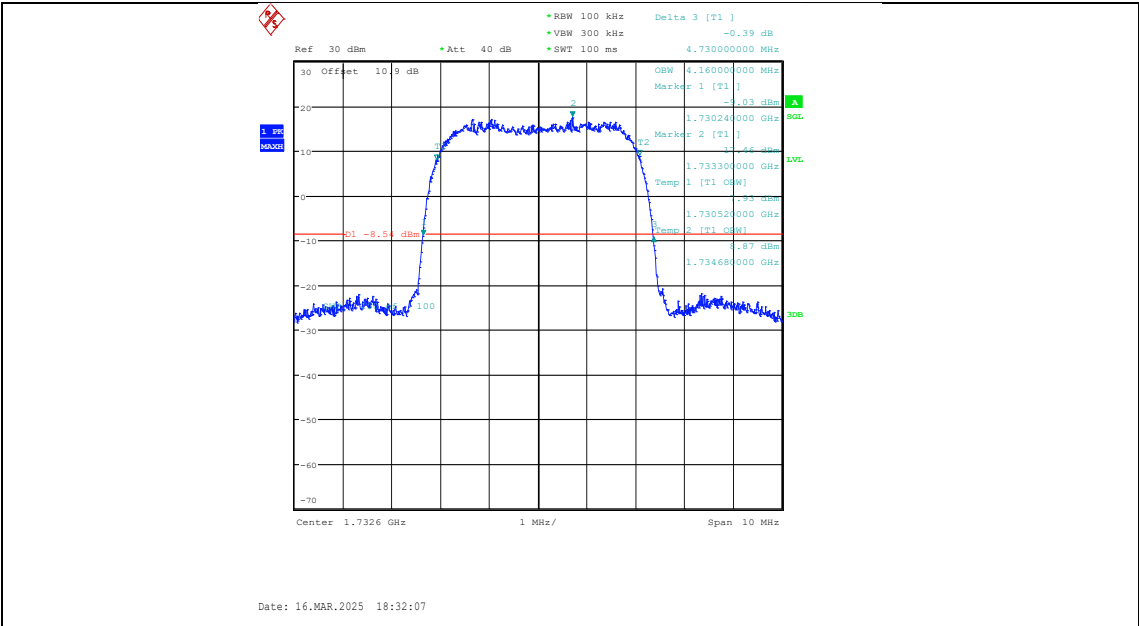
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Band4-1312-3-PASS

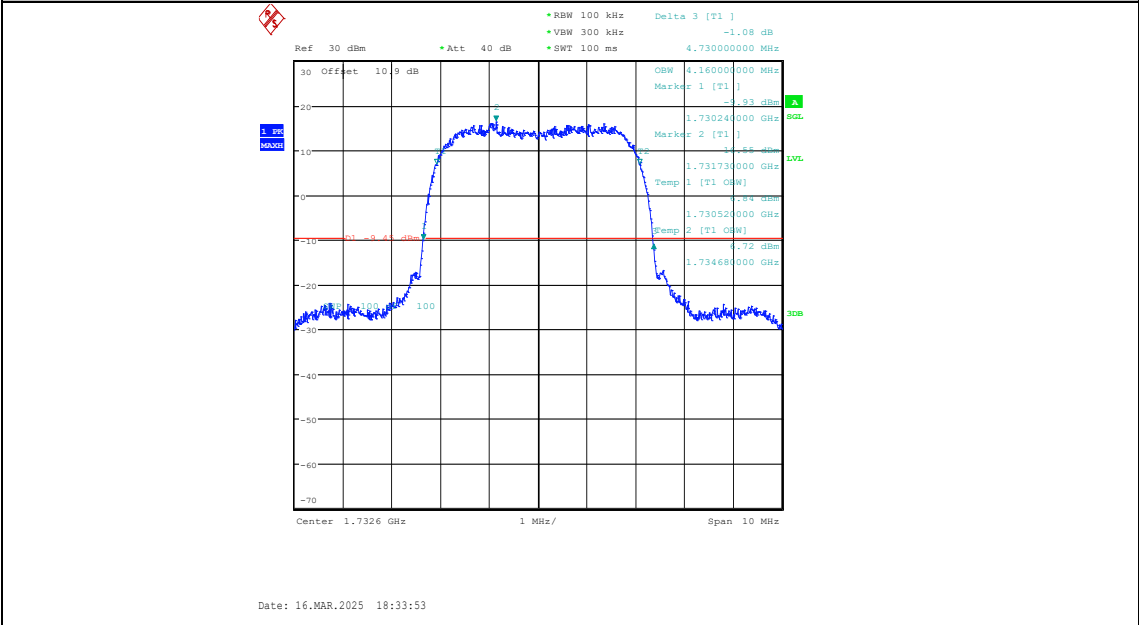


Date: 16.MAR.2025 18:36:52

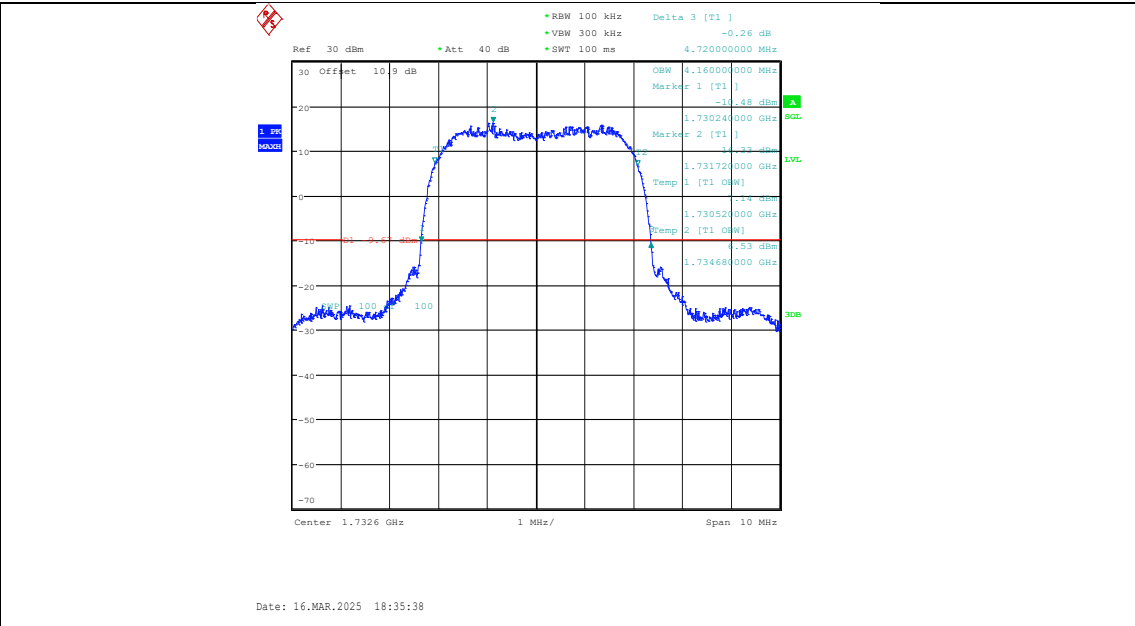
Band4-1312-4-PASS



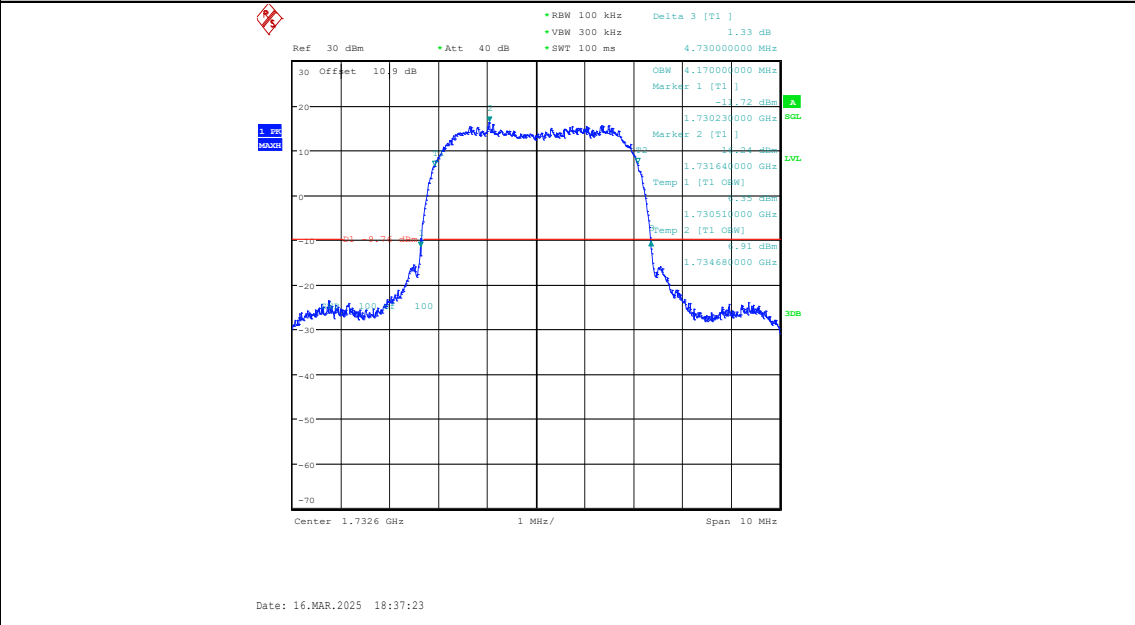
Band4-1413-1-PASS



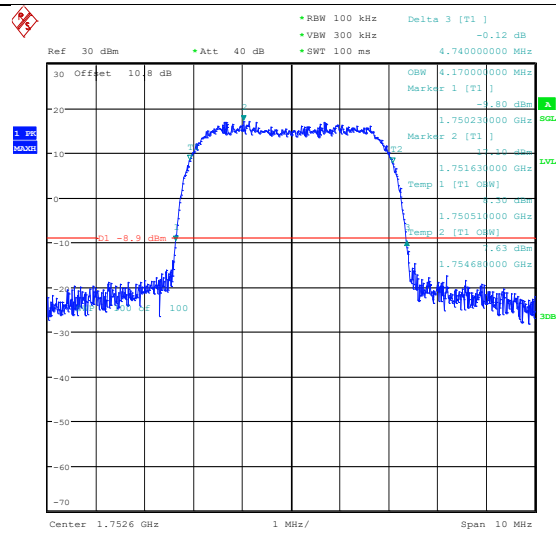
Band4-1413-2-PASS



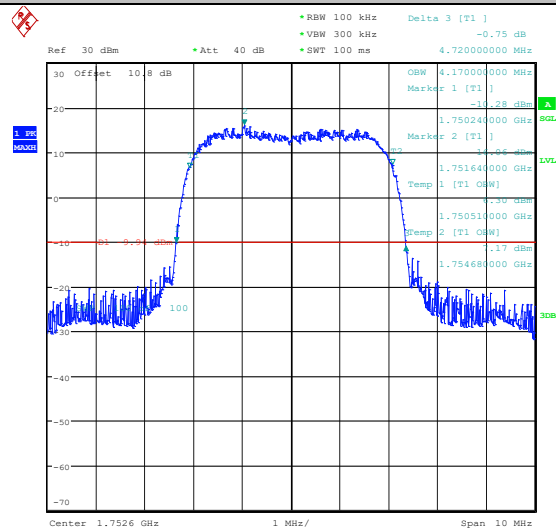
Band4-1413-3-PASS

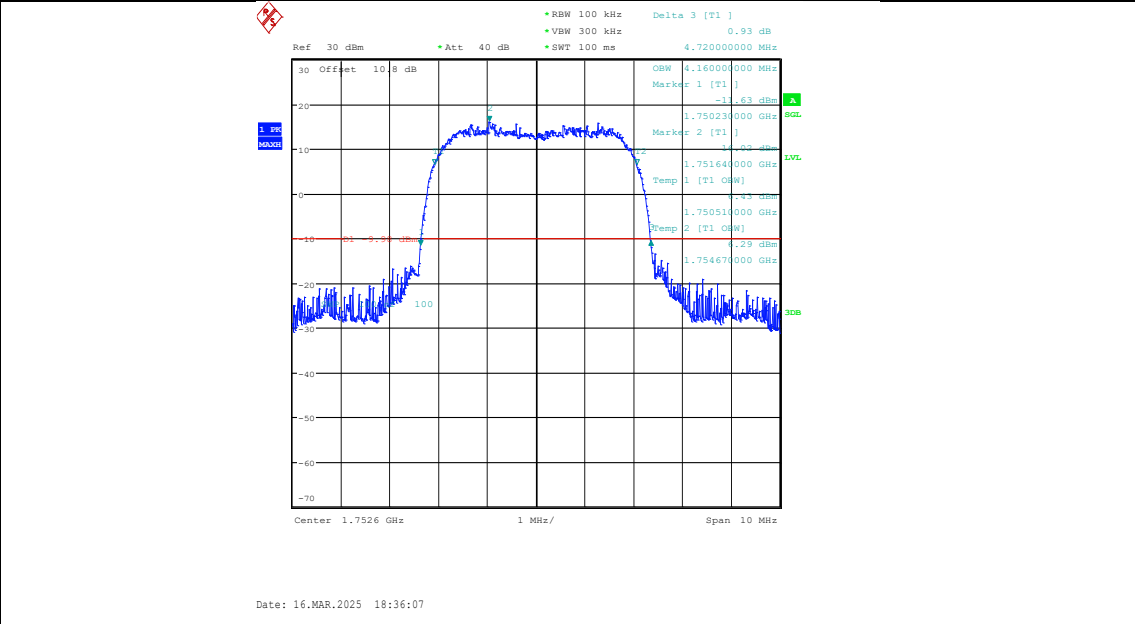


Band4-1413-4-PASS

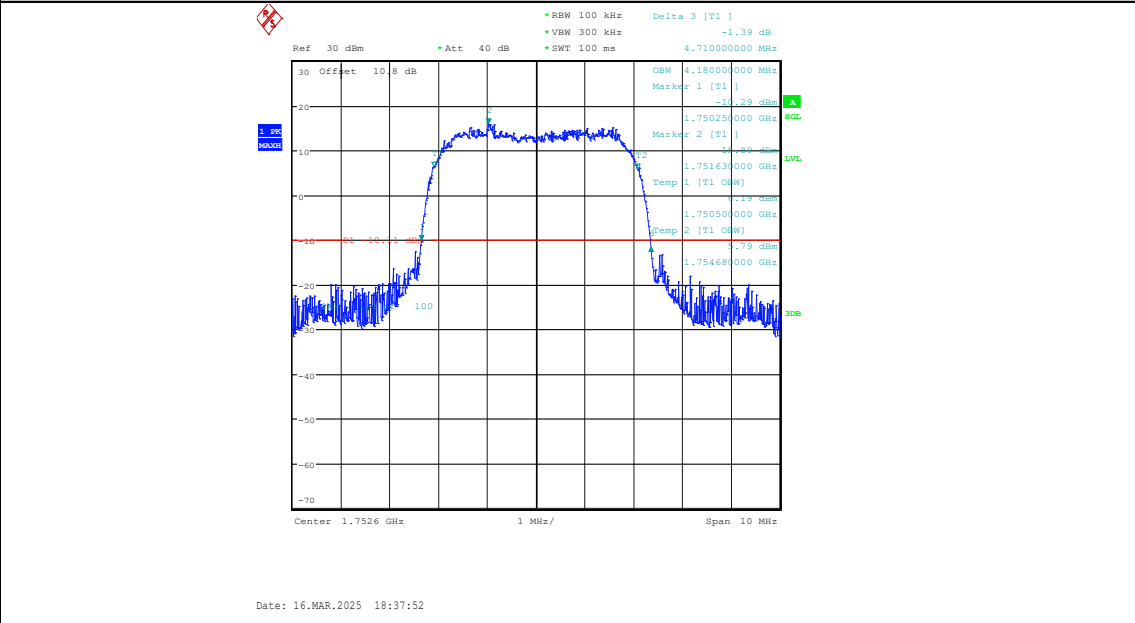


Band4-1513-1-PASS

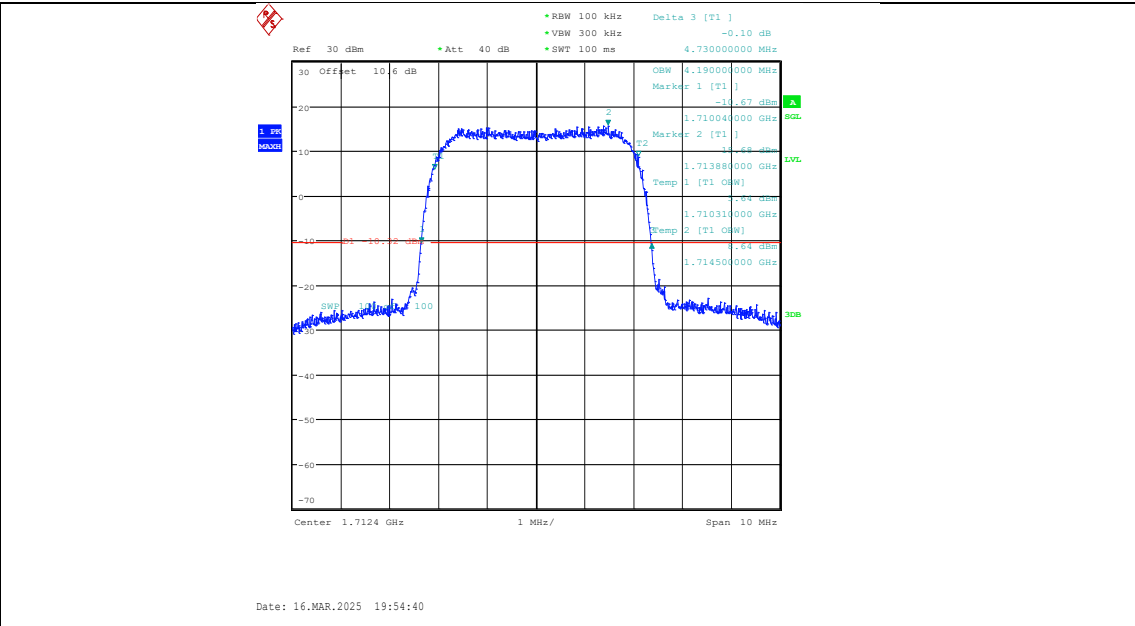




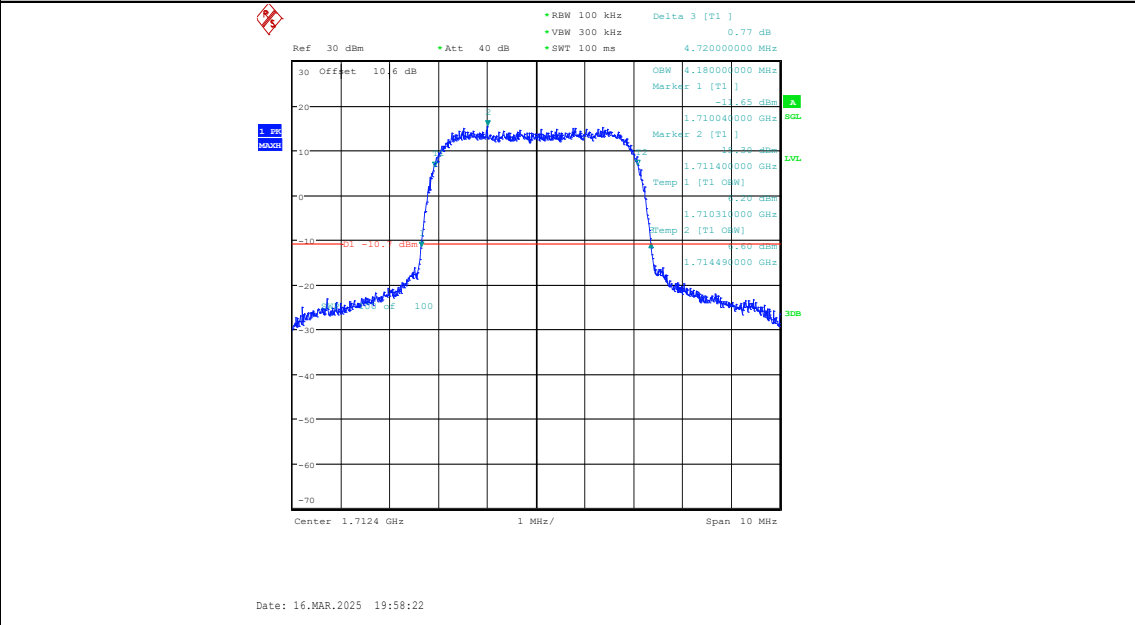
Band4-1513-3-PASS



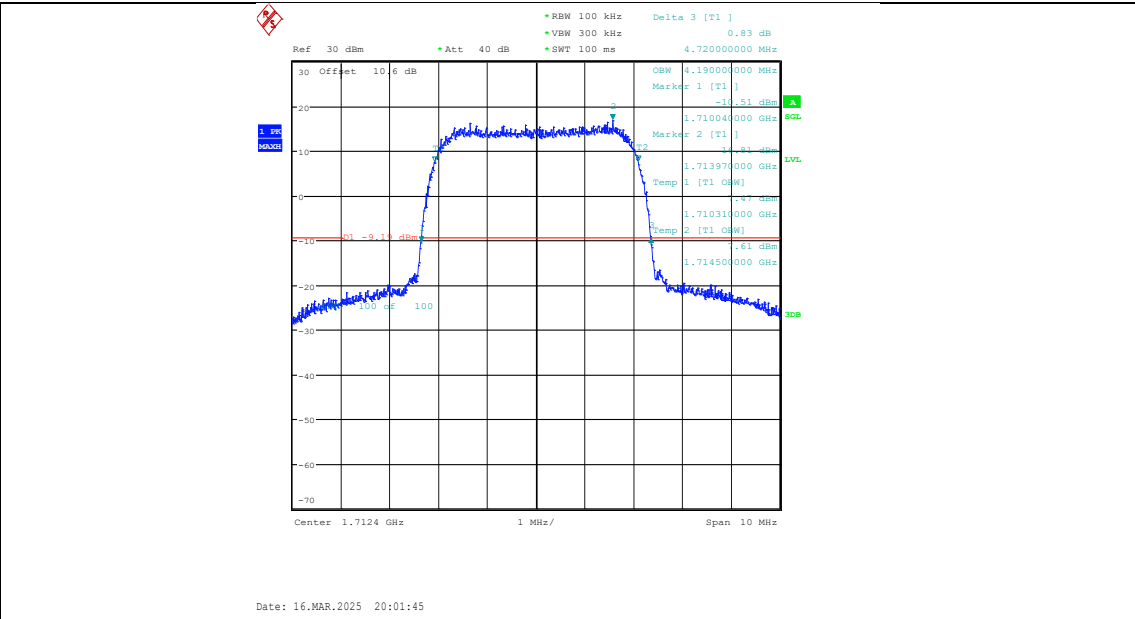
Band4-1513-4-PASS



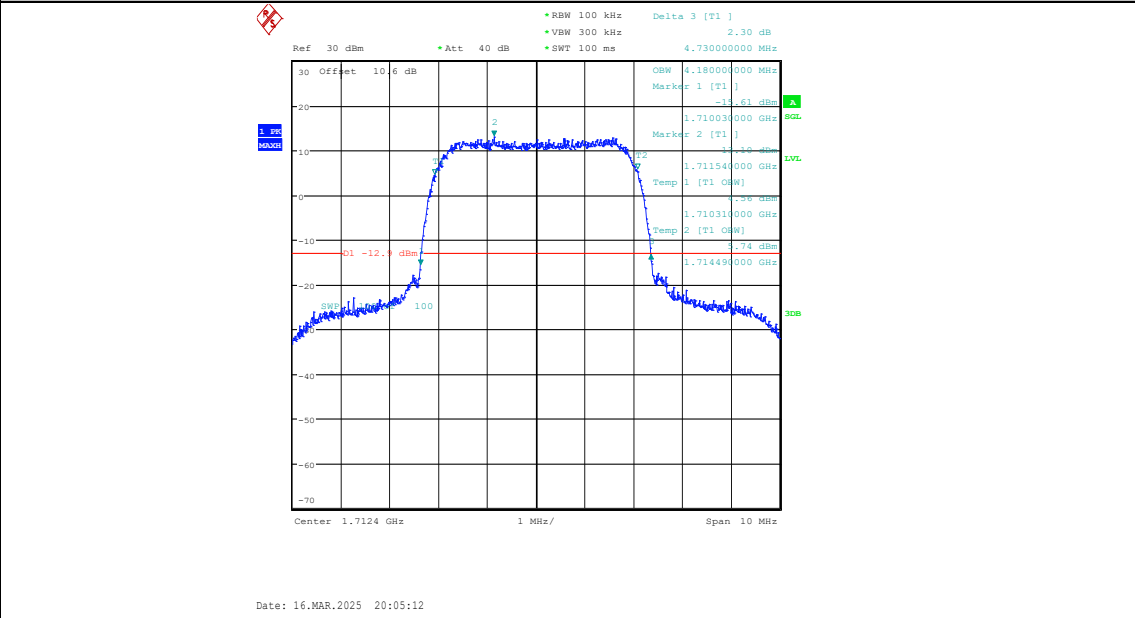
Band4-1312-1-PASS



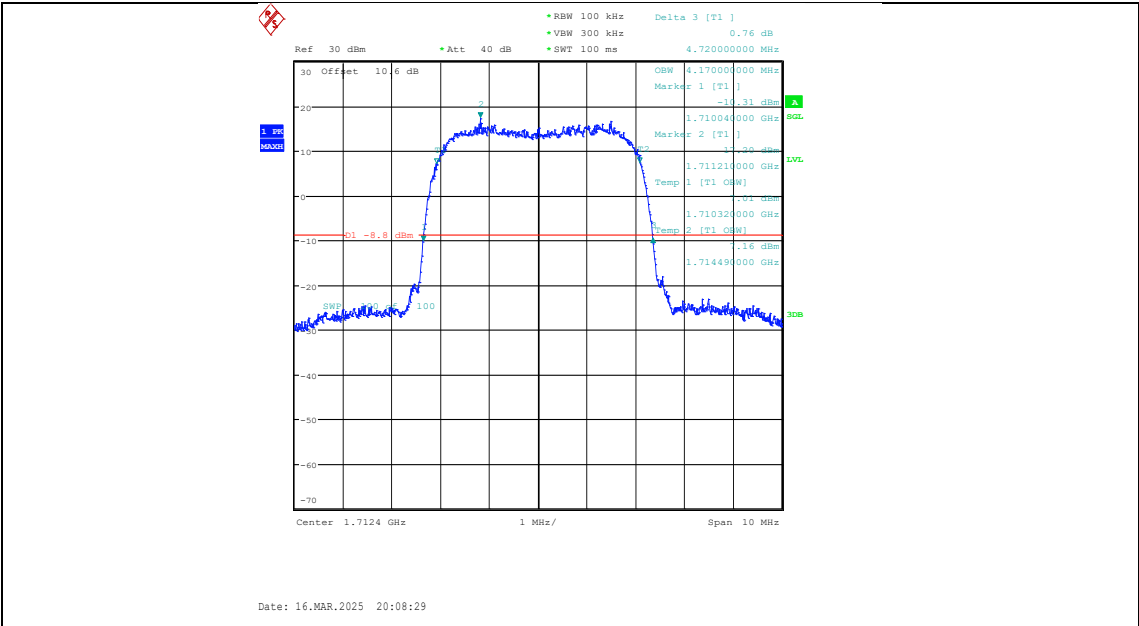
Band4-1312-2-PASS



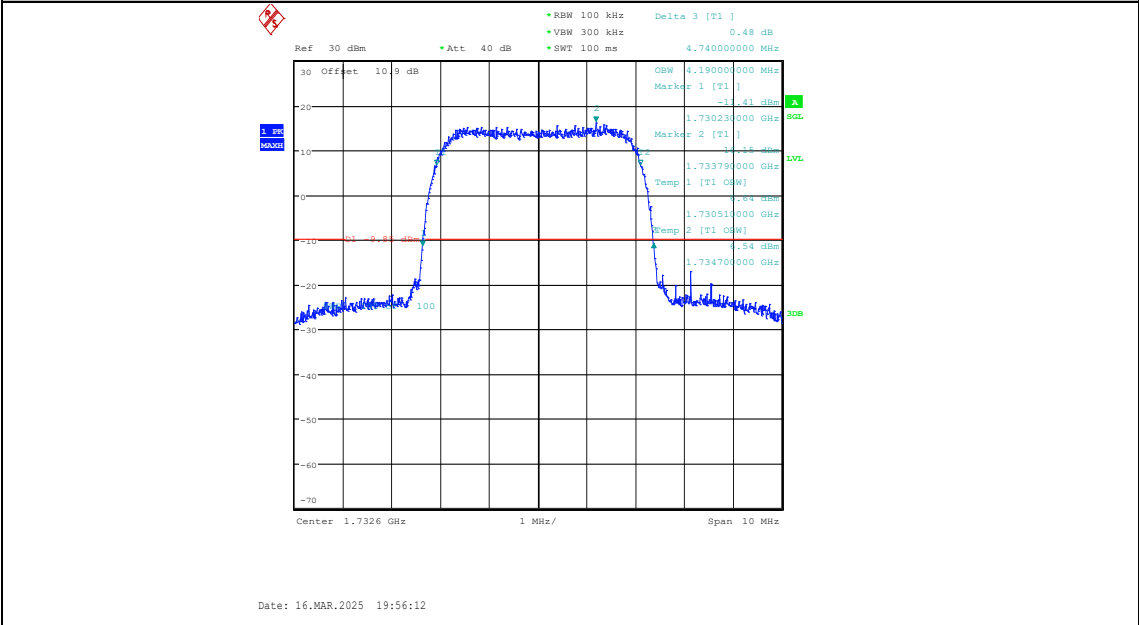
Band4-1312-3-PASS



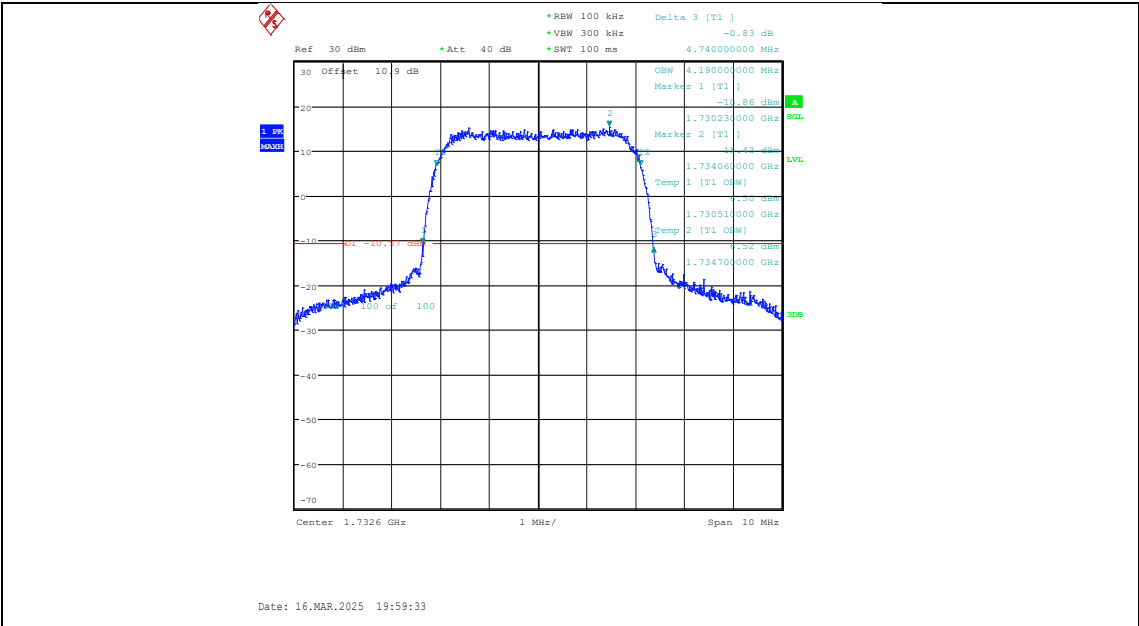
Band4-1312-4-PASS



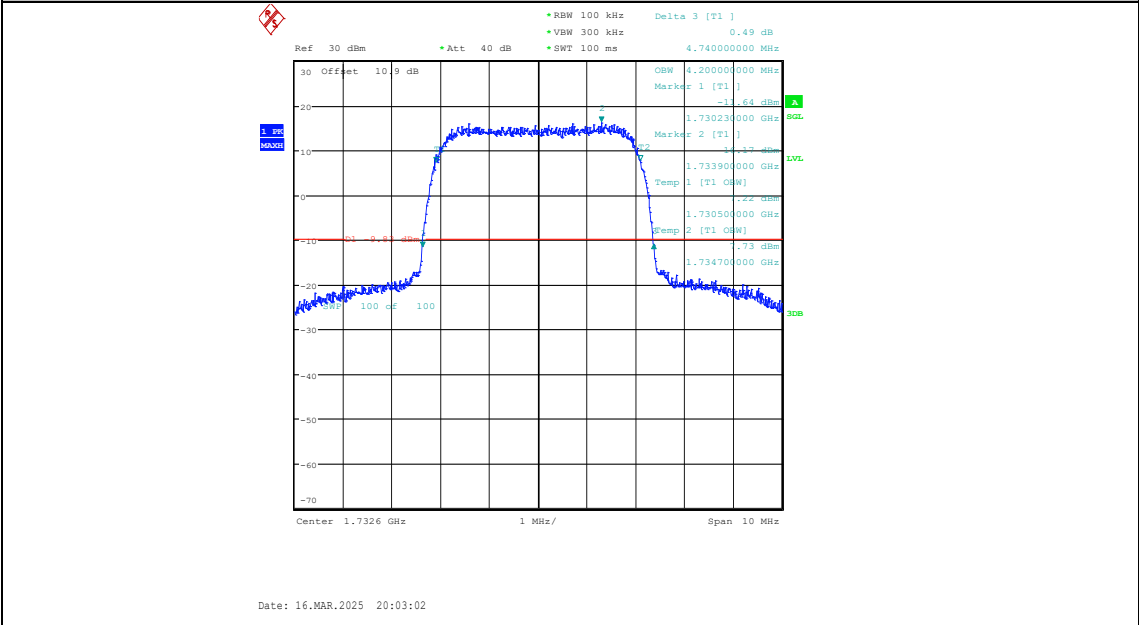
Band4-1312-5-PASS



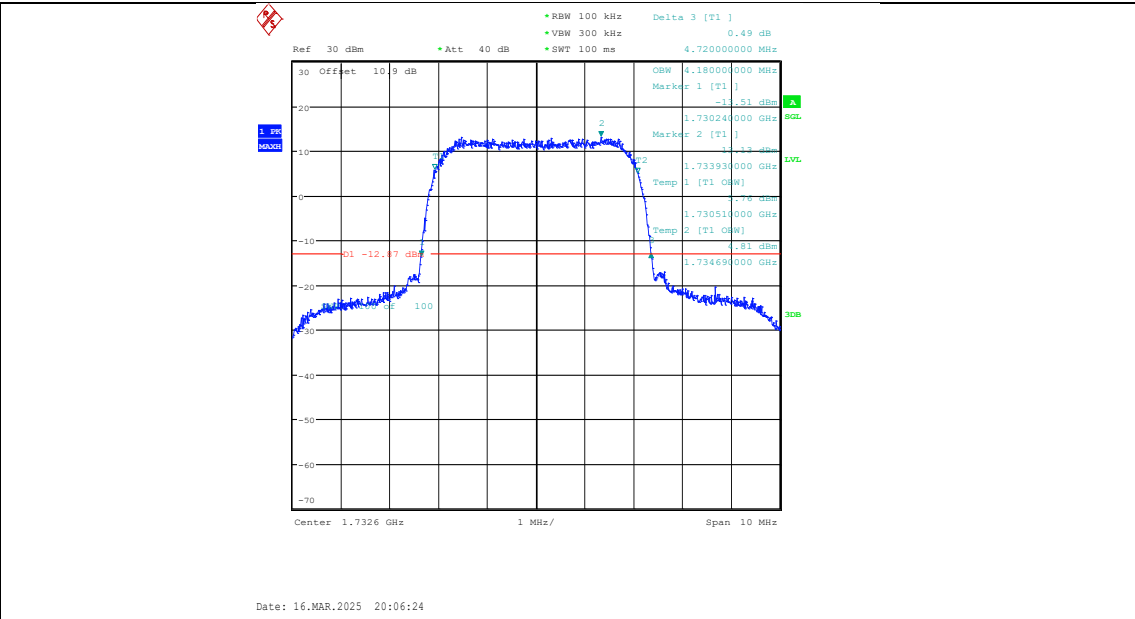
Band4-1413-1-PASS



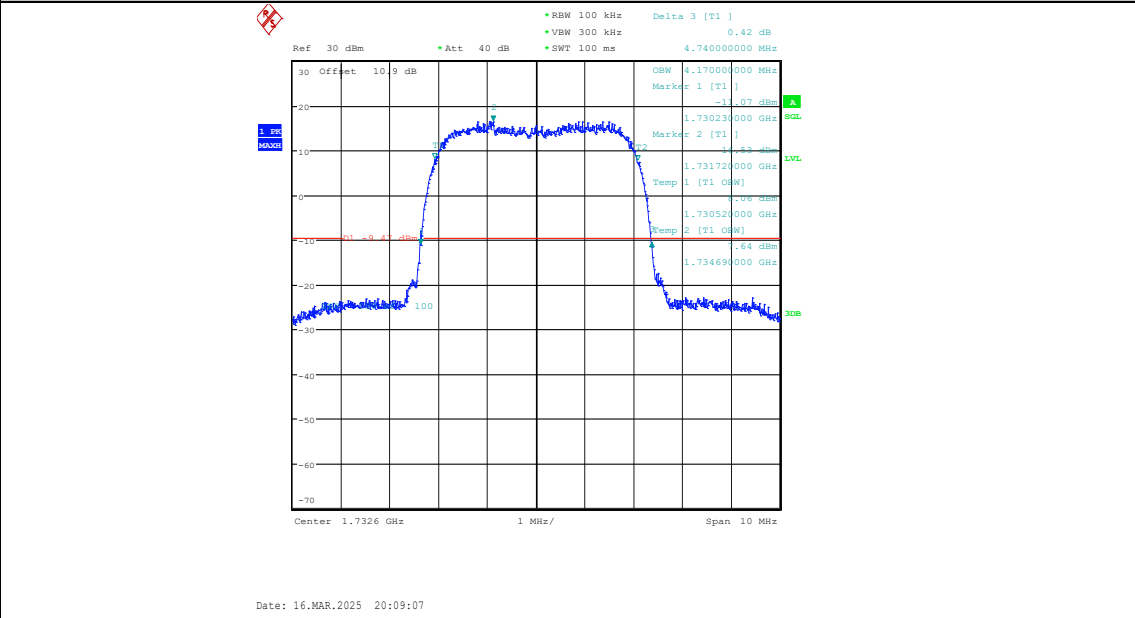
Band4-1413-2-PASS



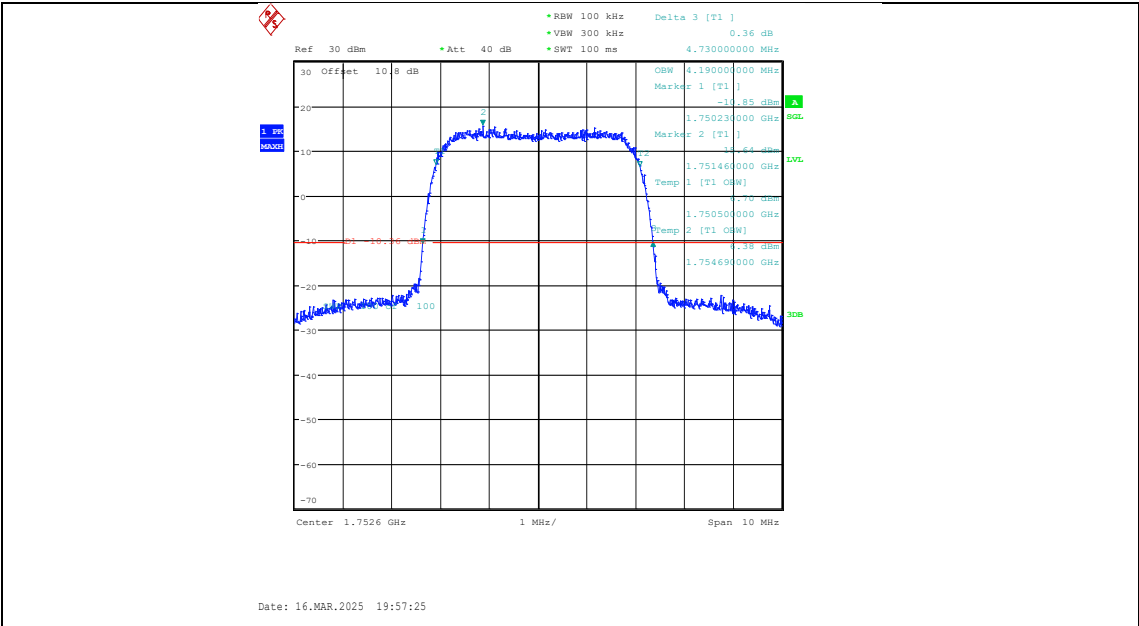
Band4-1413-3-PASS



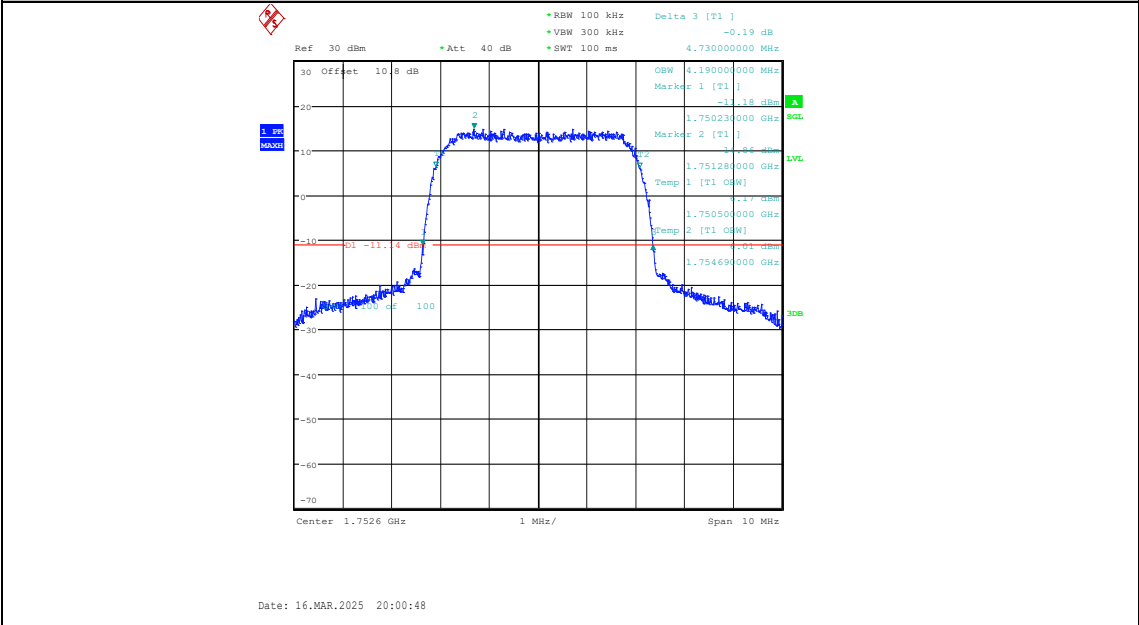
Band4-1413-4-PASS



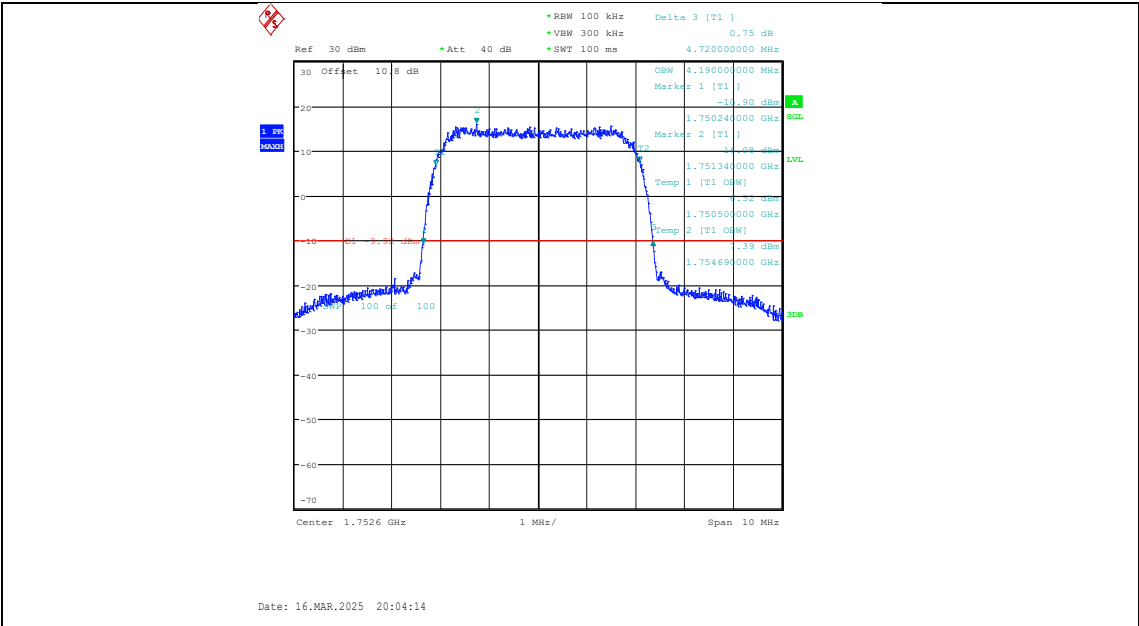
Band4-1413-5-PASS



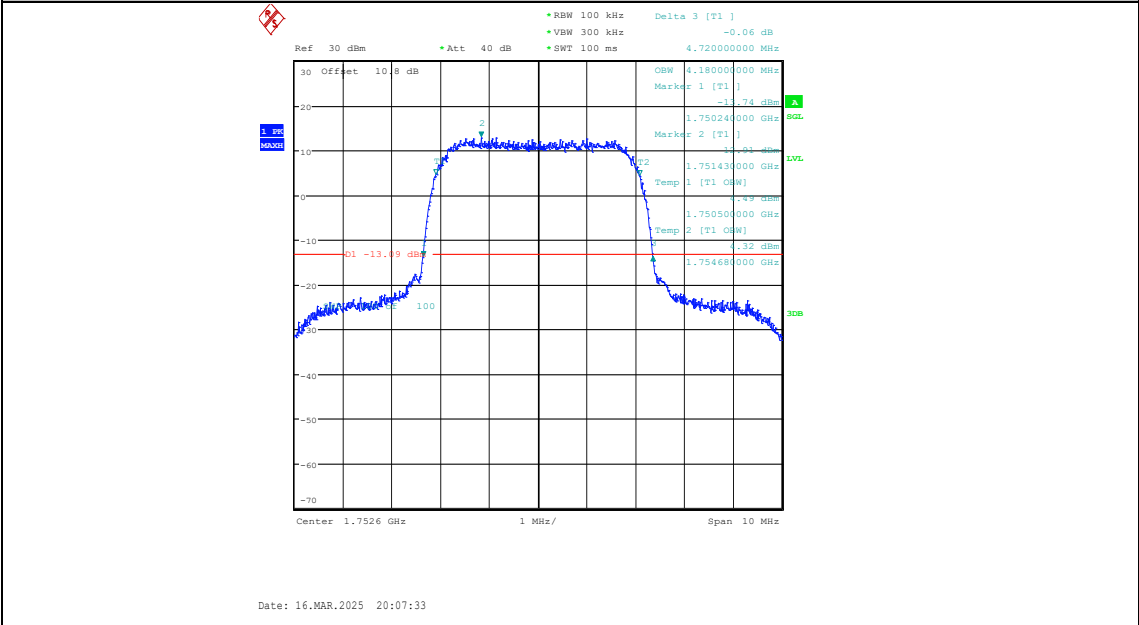
Band4-1513-1-PASS



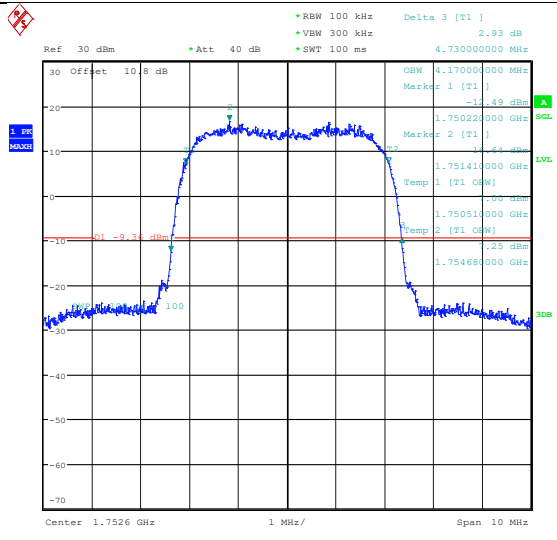
Band4-1513-2-PASS



Band4-1513-3-PASS



Band4-1513-4-PASS



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Band4-1513-5-PASS

AppendixD:Band Edge

Test Result

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band4	1312	1710.00	-29.11	-13	PASS
Band4	1513	1755.00	-29.86	-13	PASS

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band4	1312	1	1710.00	-31.74	-13	PASS
Band4	1312	2	1709.87	-30.95	-13	PASS
Band4	1312	3	1709.87	-29.54	-13	PASS
Band4	1312	4	1709.85	-29.09	-13	PASS
Band4	1513	1	1755.00	-31.42	-13	PASS
Band4	1513	2	1755.12	-30.68	-13	PASS
Band4	1513	3	1755.13	-29.57	-13	PASS
Band4	1513	4	1755.13	-29.00	-13	PASS

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band4	1312	1	1710.00	-31.51	-13	PASS
Band4	1312	2	1709.86	-28.46	-13	PASS
Band4	1312	3	1709.87	-29.73	-13	PASS
Band4	1312	4	1709.89	-30.20	-13	PASS
Band4	1312	5	1710.00	-30.89	-13	PASS
Band4	1513	1	1755.00	-31.61	-13	PASS
Band4	1513	2	1755.12	-28.57	-13	PASS
Band4	1513	3	1755.12	-29.53	-13	PASS
Band4	1513	4	1755.16	-29.99	-13	PASS
Band4	1513	5	1755.11	-31.35	-13	PASS

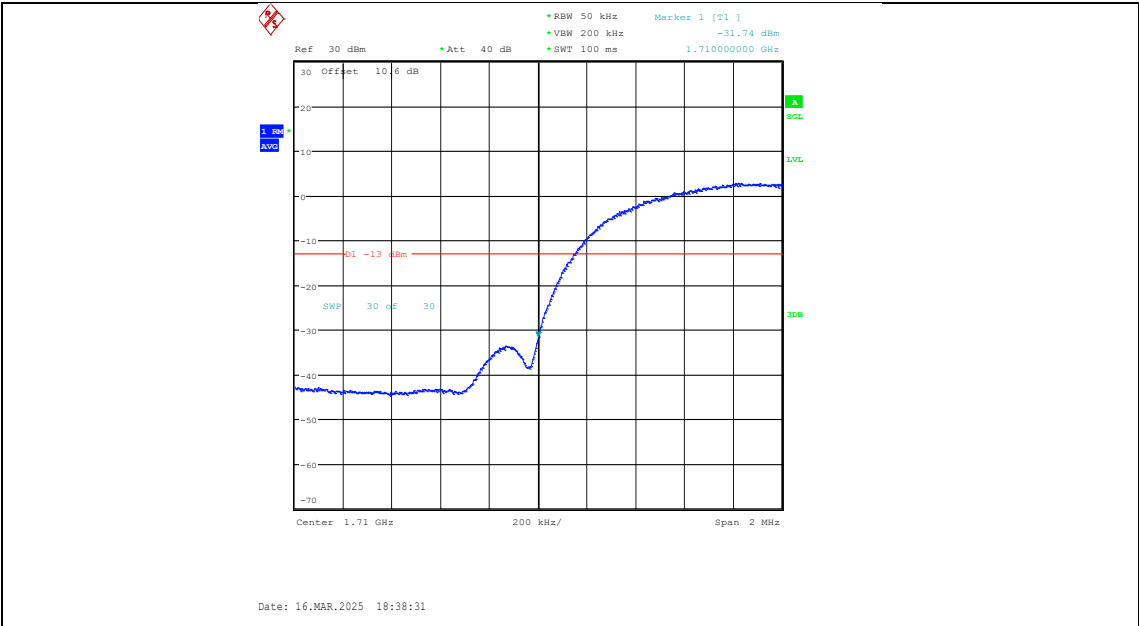
The figure displays two spectral plots side-by-side, comparing the frequency response of two different filter designs: Band4-1312-PASS (left) and Band4-1513-PASS (right).

Left Plot (Band4-1312-PASS):

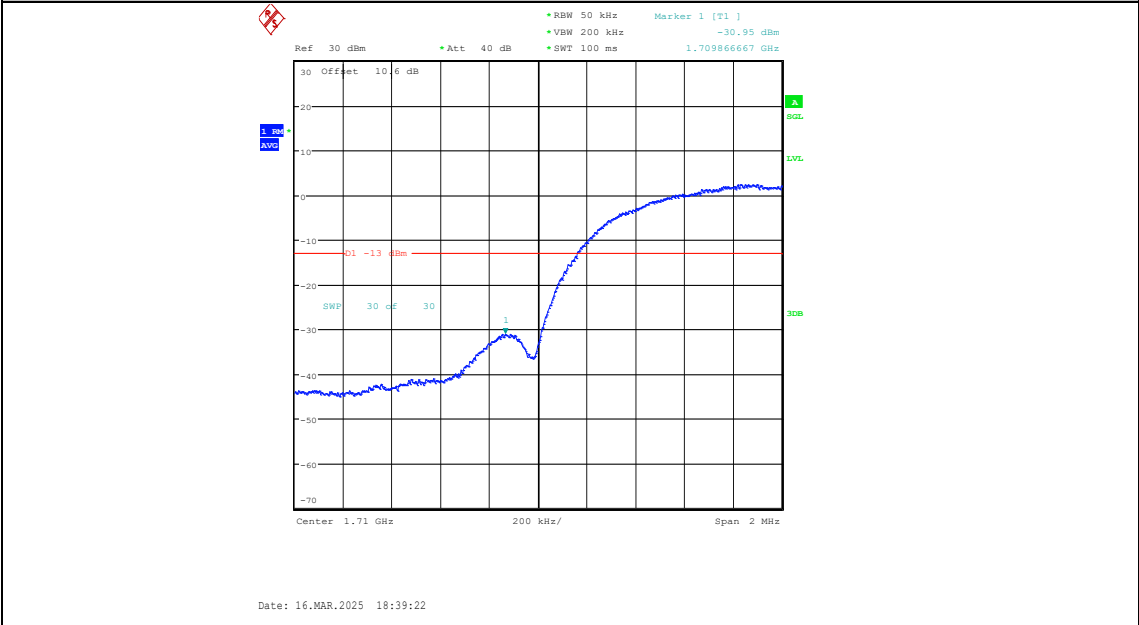
- Center Frequency:** 1.71 GHz
- Span:** 2 MHz
- Bandwidth (BW):** 50 kHz
- Video Bandwidth (VBW):** 200 kHz
- Sweep Time (SWT):** 100 ms
- Reference Level (Ref):** 30 dBm
- Attenuation (Att):** 40 dB
- Marker 1 [T1]:** -29.11 dBm at 1.709996667 GHz
- Passband Level:** Approximately -13 dBm
- Stopband Attenuation:** Approximately 30 dB

Right Plot (Band4-1513-PASS):

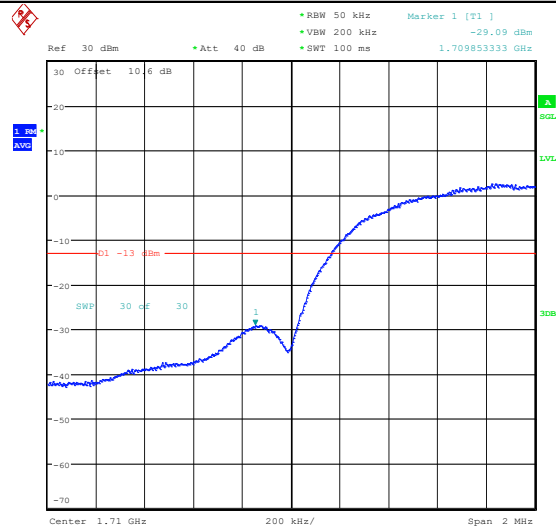
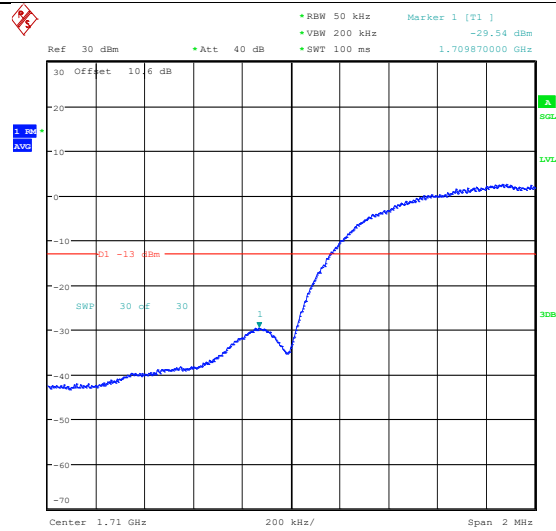
- Center Frequency:** 1.755 GHz
- Span:** 2 MHz
- Bandwidth (BW):** 50 kHz
- Video Bandwidth (VBW):** 200 kHz
- Sweep Time (SWT):** 100 ms
- Reference Level (Ref):** 30 dBm
- Attenuation (Att):** 40 dB
- Marker 1 [T1]:** -29.86 dBm at 1.755003333 GHz
- Passband Level:** Approximately -13 dBm
- Stopband Attenuation:** Approximately 30 dB



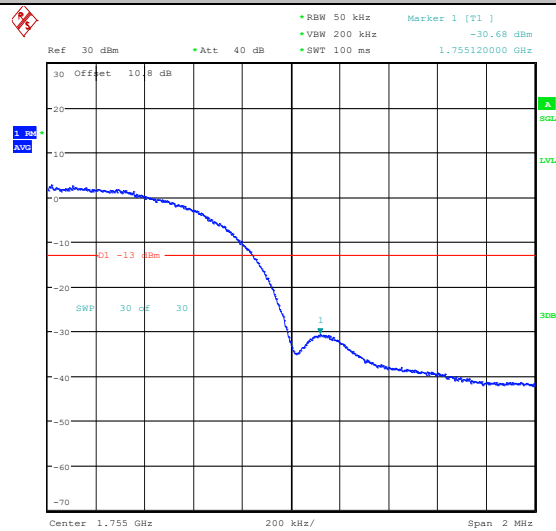
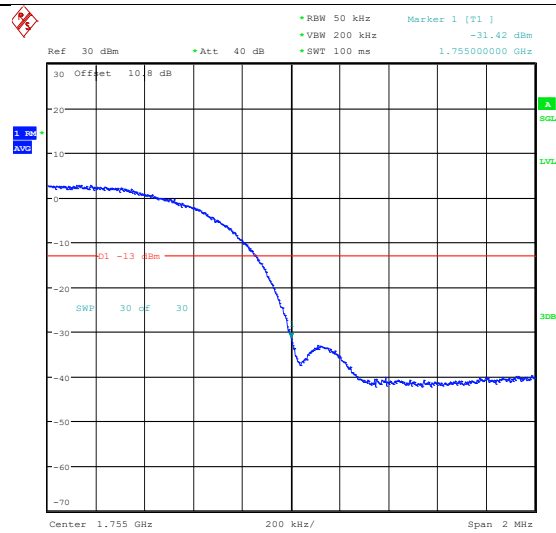
Band4-1312-1-PASS



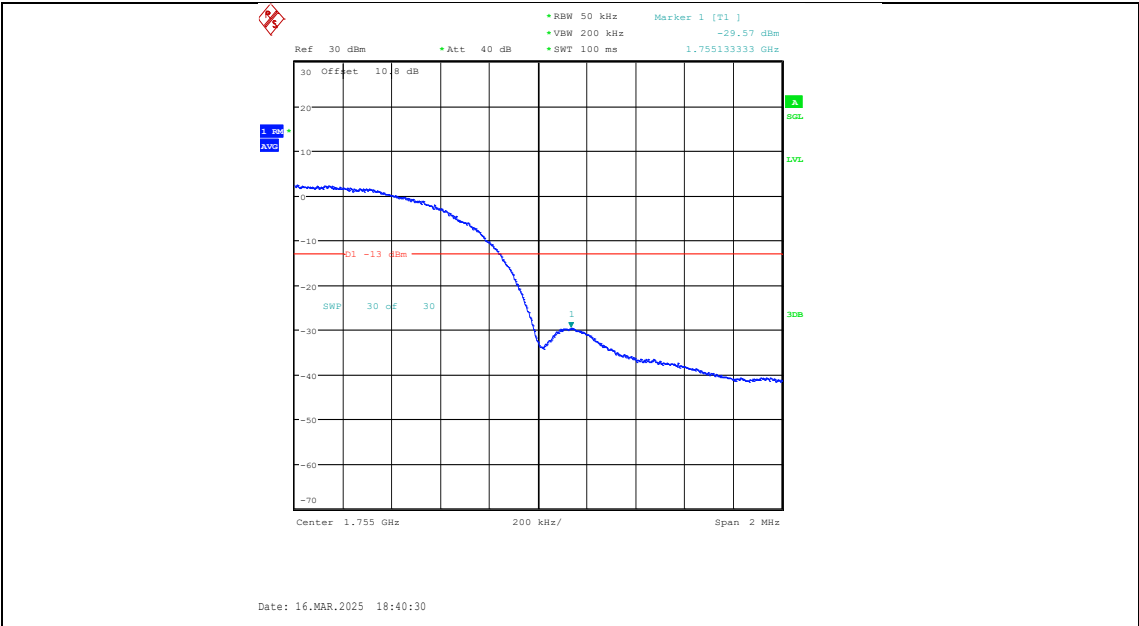
Band4-1312-2-PASS



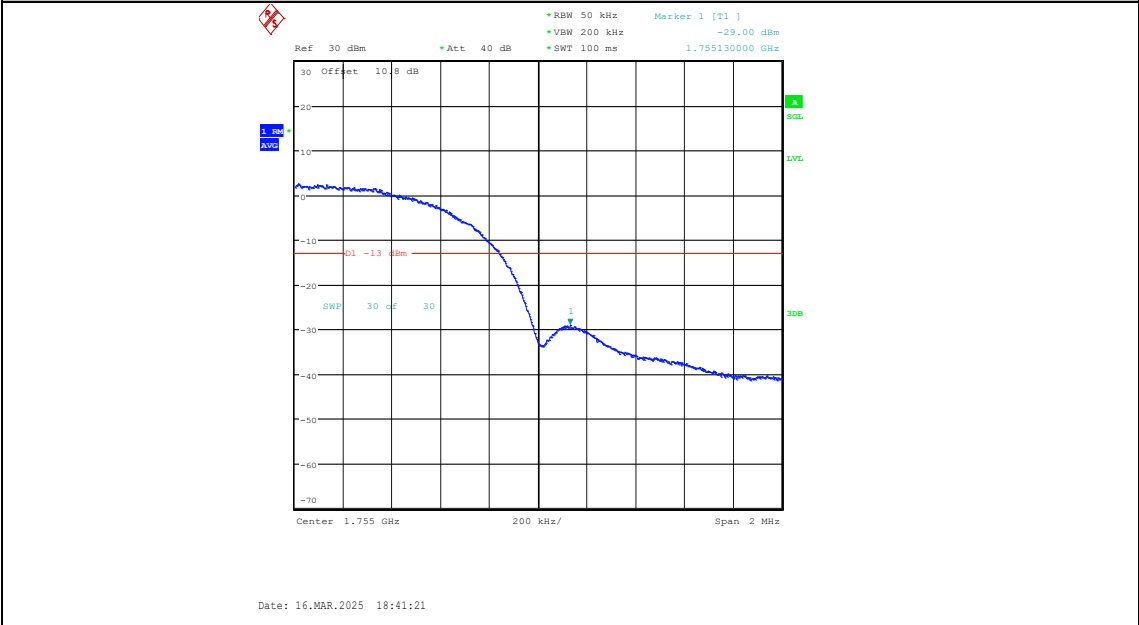
Band4-1312-4-PASS



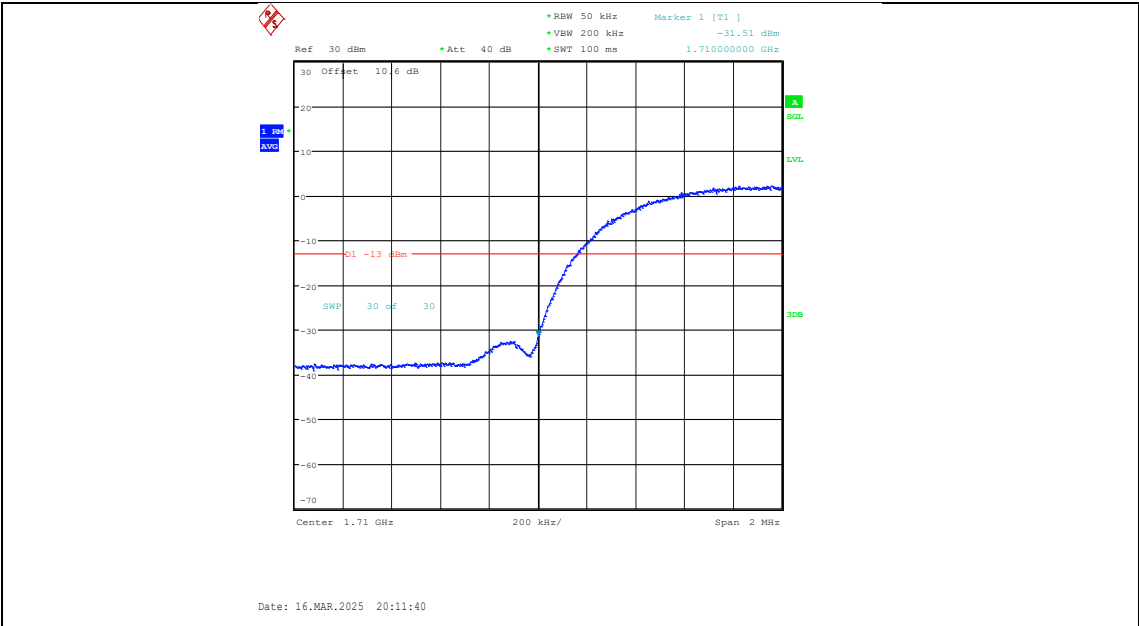
Band4-1513-2-PASS



Band4-1513-3-PASS



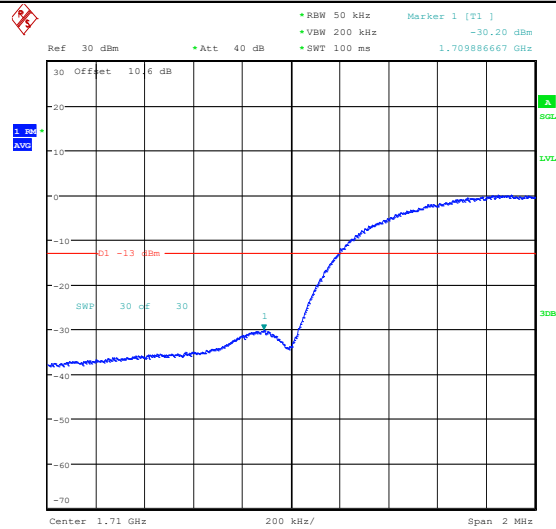
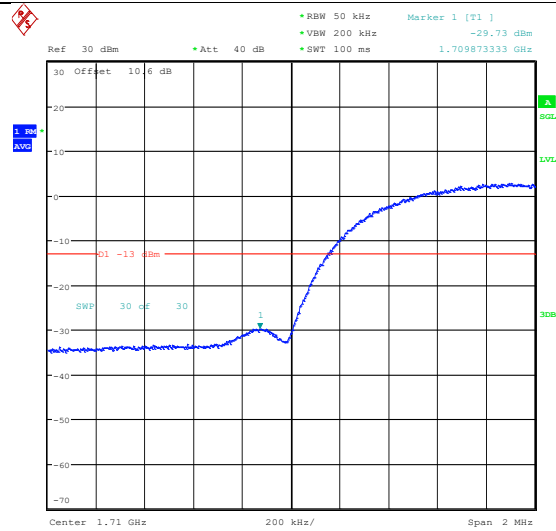
Band4-1513-4-PASS



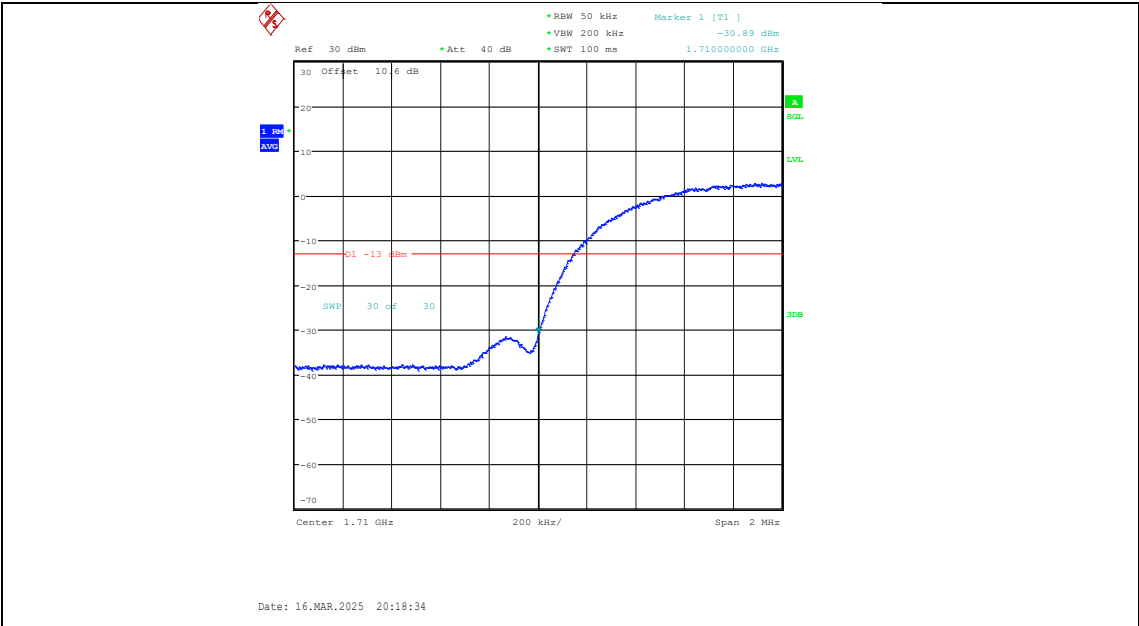
Band4-1312-1-PASS



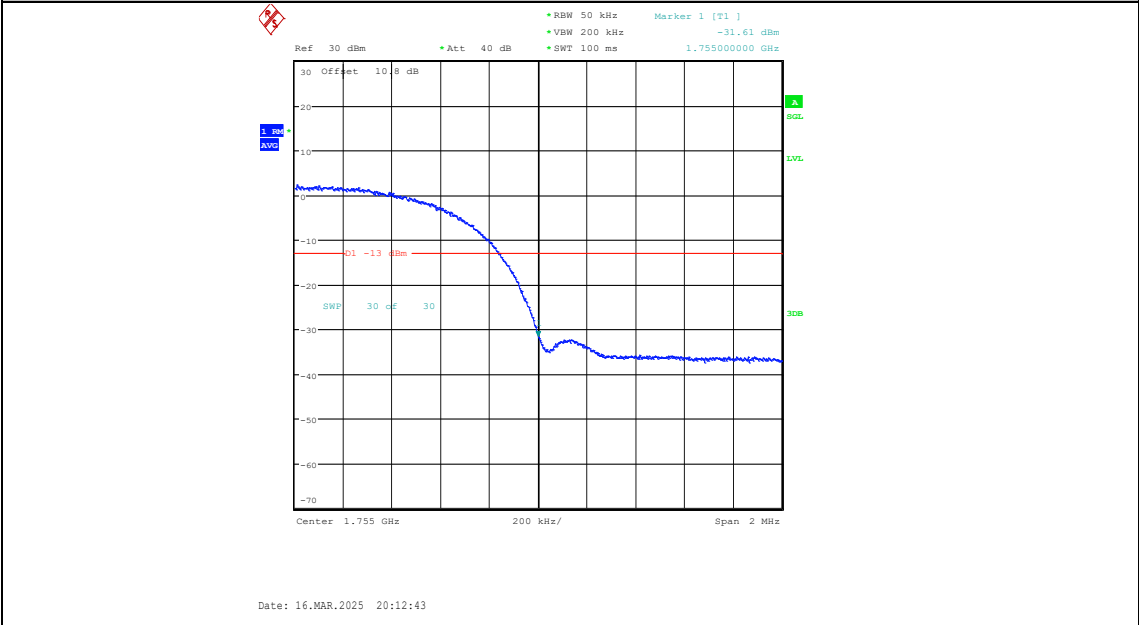
Band4-1312-2-PASS



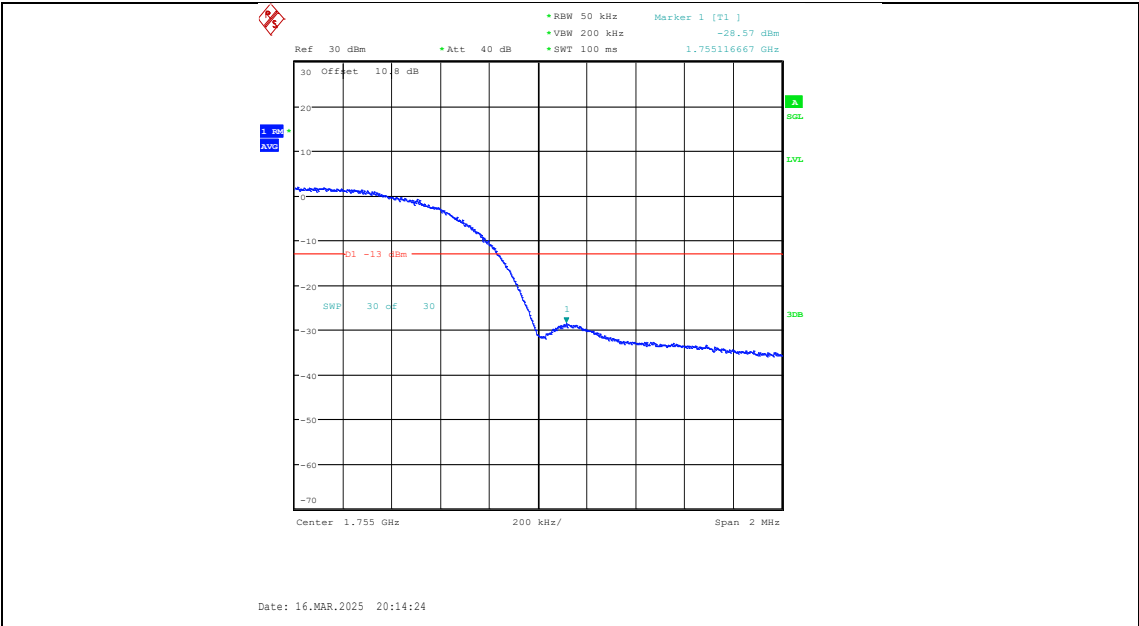
Band4-1312-4-PASS



Band4-1312-5-PASS



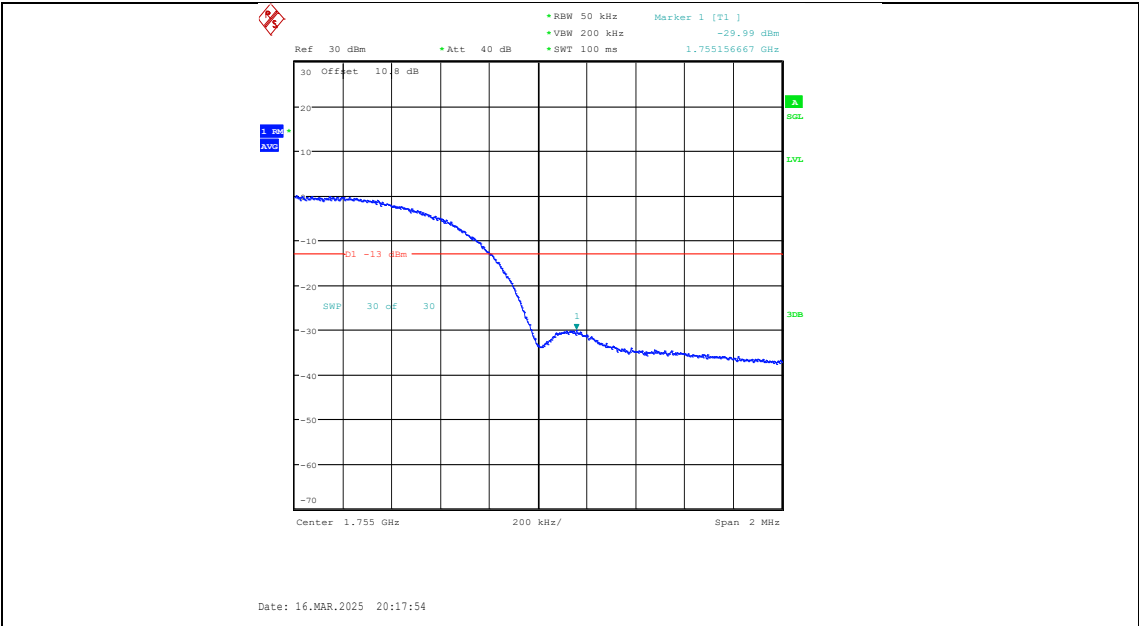
Band4-1513-1-PASS



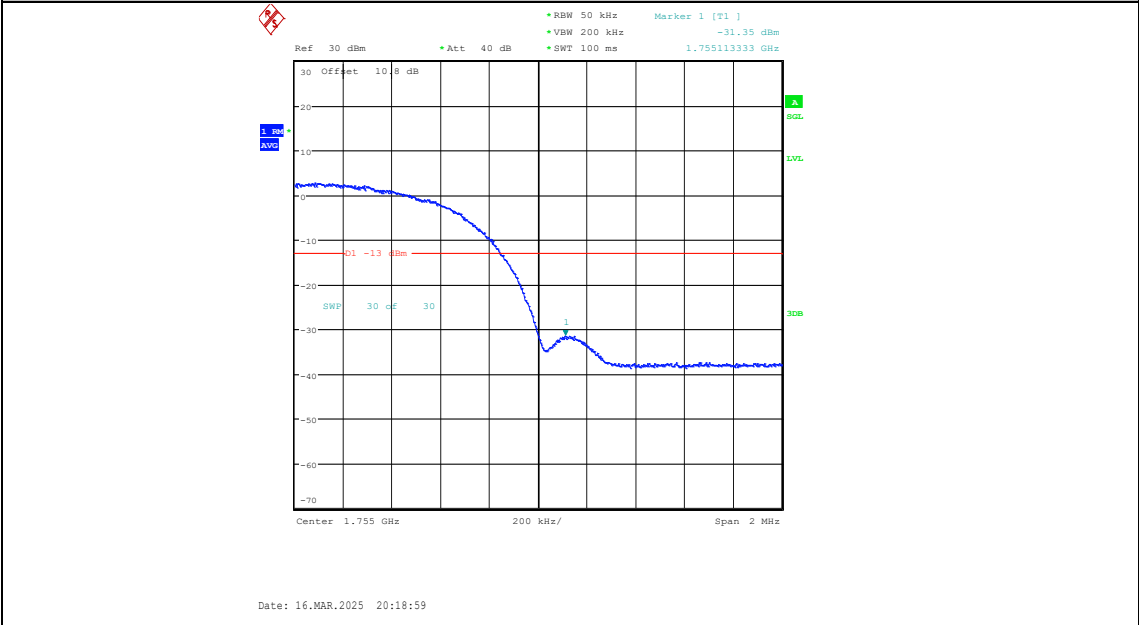
Band4-1513-2-PASS



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	0.04	-57.97	-43	PASS
Band4	1312	0.15~30MHz	0.15	-58.63	-33	PASS
Band4	1312	30~1000MHz	198.78	-50.61	-13	PASS
Band4	1312	1000~20000MHz	19154.5	-44.33	-13	PASS
Band4	1413	0.009~0.15MHz	0.04	-56.57	-43	PASS
Band4	1413	0.15~30MHz	0.18	-58.61	-33	PASS
Band4	1413	30~1000MHz	233.7	-50.58	-13	PASS
Band4	1413	1000~20000MHz	19173.5	-44.34	-13	PASS
Band4	1513	0.009~0.15MHz	0.04	-55.97	-43	PASS
Band4	1513	0.15~30MHz	0.15	-58.69	-33	PASS
Band4	1513	30~1000MHz	244.37	-50.6	-13	PASS
Band4	1513	1000~20000MHz	19173.5	-44.36	-13	PASS

Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band4	1312	1	0.009~0.15MHz	0.04	-46.72	-43	PASS
Band4	1312	1	0.15~30MHz	3.82	-47.08	-33	PASS
Band4	1312	1	30~1000MHz	222.06	-50.59	-13	PASS
Band4	1312	1	1000~20000MHz	3422.5	-41.79	-13	PASS
Band4	1312	2	0.009~0.15MHz	0.04	-46.1	-43	PASS
Band4	1312	2	0.15~30MHz	0.18	-59.03	-33	PASS
Band4	1312	2	30~1000MHz	241.95	-50.58	-13	PASS
Band4	1312	2	1000~20000MHz	3194.5	-44.13	-13	PASS
Band4	1312	3	0.009~0.15MHz	0.04	-53.4	-43	PASS
Band4	1312	3	0.15~30MHz	0.18	-58.53	-33	PASS
Band4	1312	3	30~1000MHz	231.28	-50.58	-13	PASS
Band4	1312	3	1000~20000MHz	3194.5	-44.28	-13	PASS
Band4	1312	4	0.009~0.15MHz	0.04	-54.65	-43	PASS
Band4	1312	4	0.15~30MHz	0.18	-58.35	-33	PASS
Band4	1312	4	30~1000MHz	202.66	-50.61	-13	PASS
Band4	1312	4	1000~20000MHz	3194.5	-44.21	-13	PASS
Band4	1413	1	0.009~0.15MHz	0.04	-47.99	-43	PASS
Band4	1413	1	0.15~30MHz	0.15	-59.1	-33	PASS
Band4	1413	1	30~1000MHz	198.78	-50.56	-13	PASS
Band4	1413	1	1000~20000MHz	3194.5	-44.21	-13	PASS
Band4	1413	2	0.009~0.15MHz	0.04	-56.82	-43	PASS
Band4	1413	2	0.15~30MHz	0.15	-58.83	-33	PASS

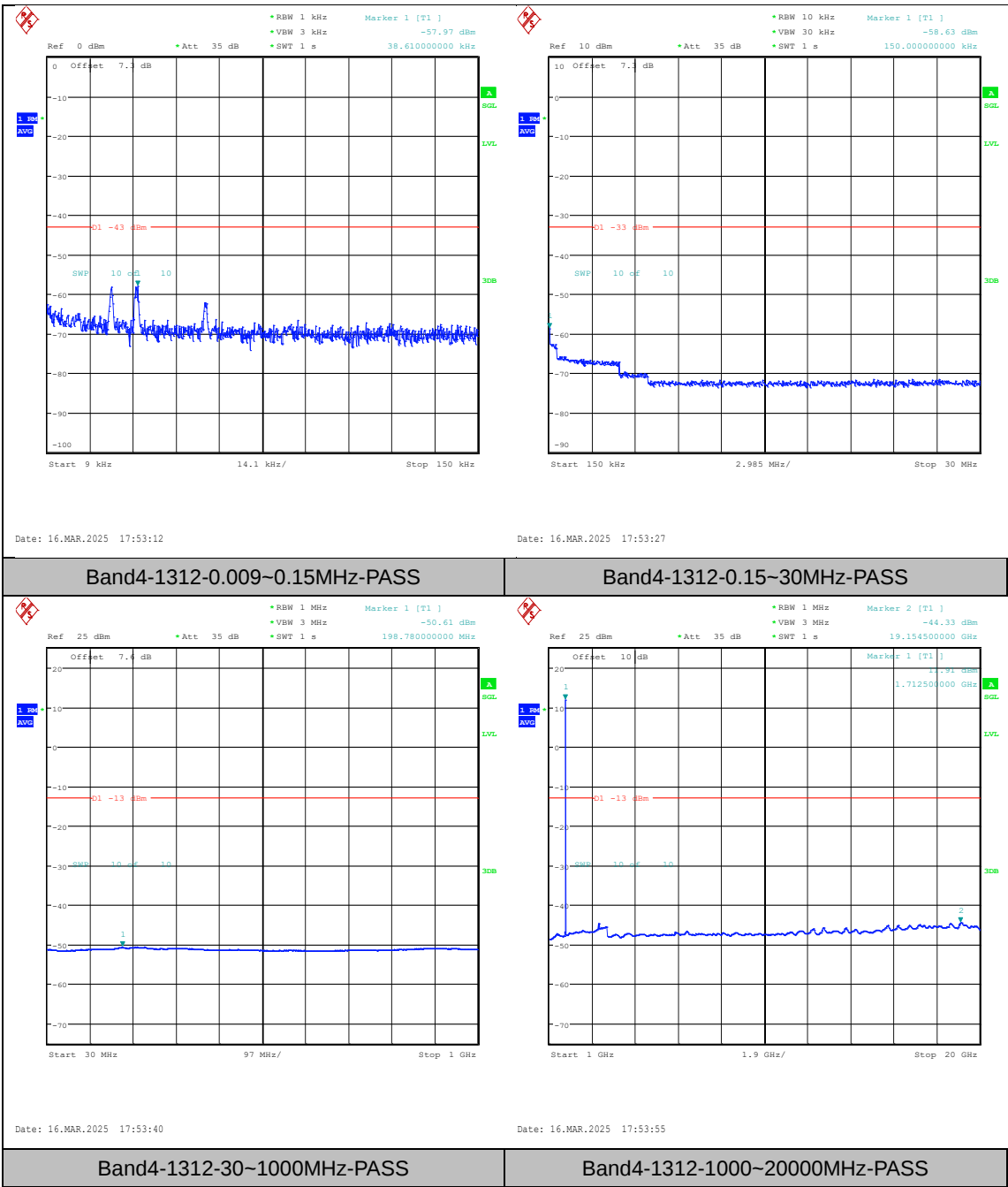
Band4	1413	2	30~1000MHz	203.15	-50.54	-13	PASS
Band4	1413	2	1000~20000MHz	3194.5	-44.17	-13	PASS
Band4	1413	3	0.009~0.15MHz	0.04	-55.71	-43	PASS
Band4	1413	3	0.15~30MHz	0.15	-58.52	-33	PASS
Band4	1413	3	30~1000MHz	201.21	-50.58	-13	PASS
Band4	1413	3	1000~20000MHz	3194.5	-44.19	-13	PASS
Band4	1413	4	0.009~0.15MHz	0.04	-55.73	-43	PASS
Band4	1413	4	0.15~30MHz	0.15	-58.24	-33	PASS
Band4	1413	4	30~1000MHz	228.85	-50.56	-13	PASS
Band4	1413	4	1000~20000MHz	3194.5	-44.13	-13	PASS
Band4	1513	1	0.009~0.15MHz	0.04	-57.09	-43	PASS
Band4	1513	1	0.15~30MHz	0.15	-58.68	-33	PASS
Band4	1513	1	30~1000MHz	198.78	-50.59	-13	PASS
Band4	1513	1	1000~20000MHz	19164	-44.31	-13	PASS
Band4	1513	2	0.009~0.15MHz	0.04	-55.53	-43	PASS
Band4	1513	2	0.15~30MHz	0.15	-58.63	-33	PASS
Band4	1513	2	30~1000MHz	199.75	-50.47	-13	PASS
Band4	1513	2	1000~20000MHz	3194.5	-44.28	-13	PASS
Band4	1513	3	0.009~0.15MHz	0.04	-54.1	-43	PASS
Band4	1513	3	0.15~30MHz	0.18	-58.83	-33	PASS
Band4	1513	3	30~1000MHz	199.75	-50.62	-13	PASS
Band4	1513	3	1000~20000MHz	3194.5	-44.16	-13	PASS
Band4	1513	4	0.009~0.15MHz	0.04	-54.3	-43	PASS
Band4	1513	4	0.15~30MHz	0.15	-58.71	-33	PASS
Band4	1513	4	30~1000MHz	234.67	-50.61	-13	PASS
Band4	1513	4	1000~20000MHz	3194.5	-44.11	-13	PASS

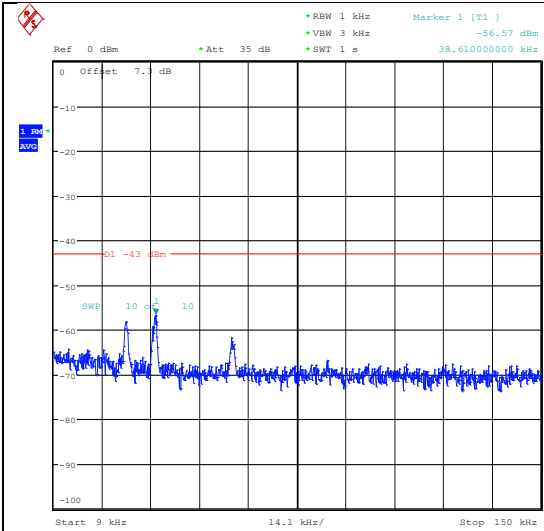
Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band4	1312	1	0.009~0.15MHz	0.04	-51.4	-43	PASS
Band4	1312	1	0.15~30MHz	0.15	-57.86	-33	PASS
Band4	1312	1	30~1000MHz	202.66	-50.6	-13	PASS
Band4	1312	1	1000~20000MHz	19173.5	-44.37	-13	PASS
Band4	1312	2	0.009~0.15MHz	0.04	-45.6	-43	PASS
Band4	1312	2	0.15~30MHz	0.96	-41.72	-33	PASS
Band4	1312	2	30~1000MHz	201.21	-50.6	-13	PASS
Band4	1312	2	1000~20000MHz	19154.5	-44.38	-13	PASS
Band4	1312	3	0.009~0.15MHz	0.04	-48.6	-43	PASS
Band4	1312	3	0.15~30MHz	0.18	-56.96	-33	PASS
Band4	1312	3	30~1000MHz	238.55	-50.61	-13	PASS
Band4	1312	3	1000~20000MHz	19164	-44.32	-13	PASS
Band4	1312	4	0.009~0.15MHz	0.04	-44.37	-43	PASS

Band4	1312	4	0.15~30MHz	0.15	-57.07	-33	PASS
Band4	1312	4	30~1000MHz	197.81	-50.57	-13	PASS
Band4	1312	4	1000~20000MHz	19154.5	-44.29	-13	PASS
Band4	1312	5	0.009~0.15MHz	0.04	-44.49	-43	PASS
Band4	1312	5	0.15~30MHz	0.18	-57.15	-33	PASS
Band4	1312	5	30~1000MHz	199.75	-50.54	-13	PASS
Band4	1312	5	1000~20000MHz	19164	-44.35	-13	PASS
Band4	1413	1	0.009~0.15MHz	0.04	-45.49	-43	PASS
Band4	1413	1	0.15~30MHz	3.82	-50.55	-33	PASS
Band4	1413	1	30~1000MHz	199.27	-50.57	-13	PASS
Band4	1413	1	1000~20000MHz	3460.5	-43.79	-13	PASS
Band4	1413	2	0.009~0.15MHz	0.04	-47.01	-43	PASS
Band4	1413	2	0.15~30MHz	0.96	-40.71	-33	PASS
Band4	1413	2	30~1000MHz	227.4	-50.6	-13	PASS
Band4	1413	2	1000~20000MHz	19154.5	-44.39	-13	PASS
Band4	1413	3	0.009~0.15MHz	0.04	-47.76	-43	PASS
Band4	1413	3	0.15~30MHz	0.96	-45.73	-33	PASS
Band4	1413	3	30~1000MHz	248.25	-50.57	-13	PASS
Band4	1413	3	1000~20000MHz	19164	-44.34	-13	PASS
Band4	1413	4	0.009~0.15MHz	0.04	-45.52	-43	PASS
Band4	1413	4	0.15~30MHz	0.15	-56.9	-33	PASS
Band4	1413	4	30~1000MHz	197.33	-50.57	-13	PASS
Band4	1413	4	1000~20000MHz	19164	-44.41	-13	PASS
Band4	1413	5	0.009~0.15MHz	0.04	-48.54	-43	PASS
Band4	1413	5	0.15~30MHz	0.18	-56.58	-33	PASS
Band4	1413	5	30~1000MHz	238.07	-50.57	-13	PASS
Band4	1413	5	1000~20000MHz	19164	-44.28	-13	PASS
Band4	1513	1	0.009~0.15MHz	0.04	-46.43	-43	PASS
Band4	1513	1	0.15~30MHz	3.82	-50.51	-33	PASS
Band4	1513	1	30~1000MHz	200.24	-50.6	-13	PASS
Band4	1513	1	1000~20000MHz	19154.5	-44.3	-13	PASS
Band4	1513	2	0.009~0.15MHz	0.04	-45.04	-43	PASS
Band4	1513	2	0.15~30MHz	0.96	-39.62	-33	PASS
Band4	1513	2	30~1000MHz	237.1	-50.58	-13	PASS
Band4	1513	2	1000~20000MHz	19154.5	-44.39	-13	PASS
Band4	1513	3	0.009~0.15MHz	0.04	-47.1	-43	PASS
Band4	1513	3	0.15~30MHz	0.96	-46.88	-33	PASS
Band4	1513	3	30~1000MHz	199.75	-50.54	-13	PASS
Band4	1513	3	1000~20000MHz	19164	-44.37	-13	PASS
Band4	1513	4	0.009~0.15MHz	0.04	-48.35	-43	PASS
Band4	1513	4	0.15~30MHz	0.18	-56.47	-33	PASS
Band4	1513	4	30~1000MHz	203.15	-50.58	-13	PASS
Band4	1513	4	1000~20000MHz	19173.5	-44.3	-13	PASS

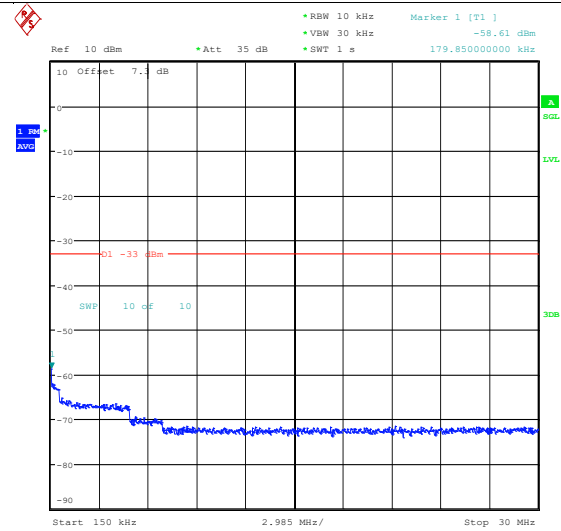
Band4	1513	5	0.009~0.15MHz	0.04	-47.76	-43	PASS
Band4	1513	5	0.15~30MHz	0.18	-57.31	-33	PASS
Band4	1513	5	30~1000MHz	224.97	-50.56	-13	PASS
Band4	1513	5	1000~20000MHz	19145	-44.33	-13	PASS

Test Graphs





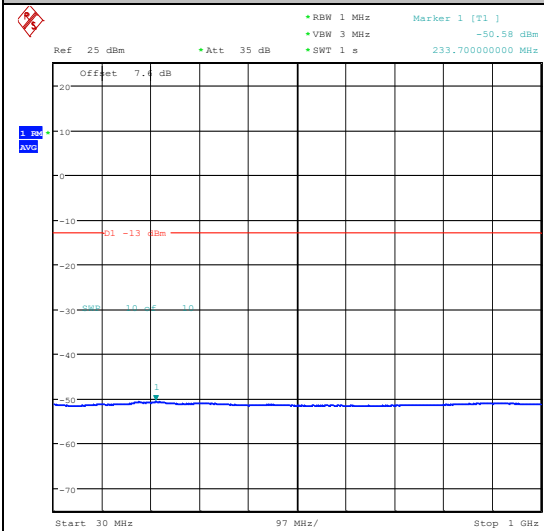
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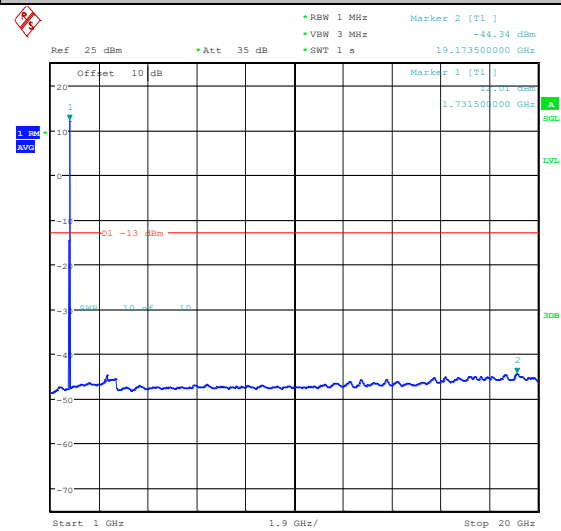
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Band4-1413-0.009-0.15MHz-PASS

Band4-1413-0.15-30MHz-PASS



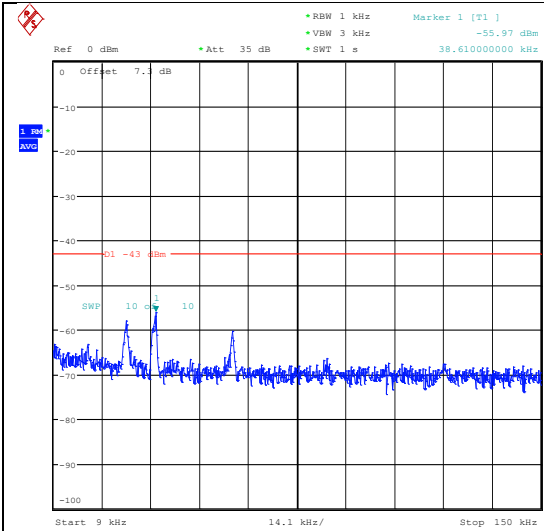
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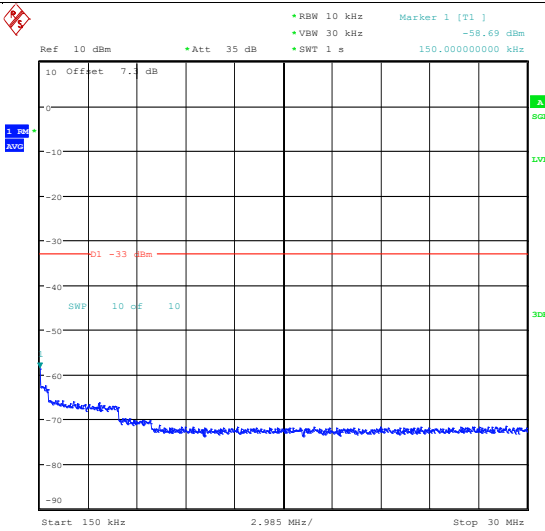
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Band4-1413-30-1000MHz-PASS

Band4-1413-1000-20000MHz-PASS



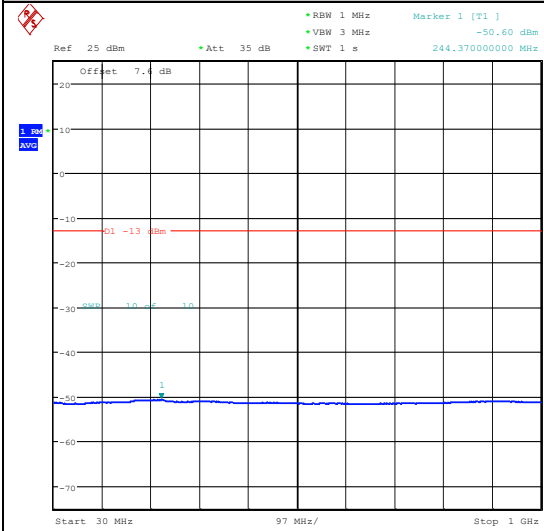
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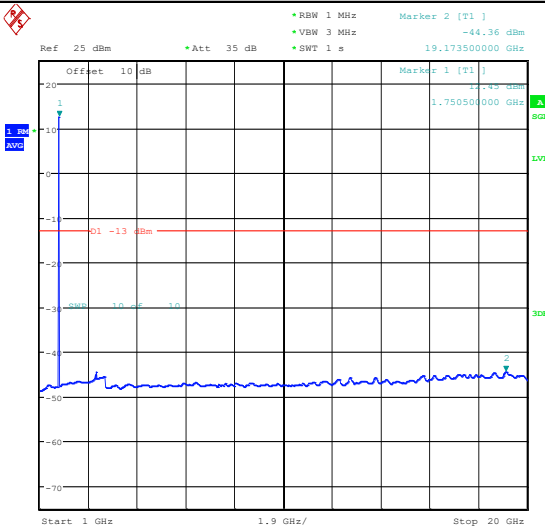
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Band4-1513-0.009-0.15MHz-PASS

Band4-1513-0.15-30MHz-PASS



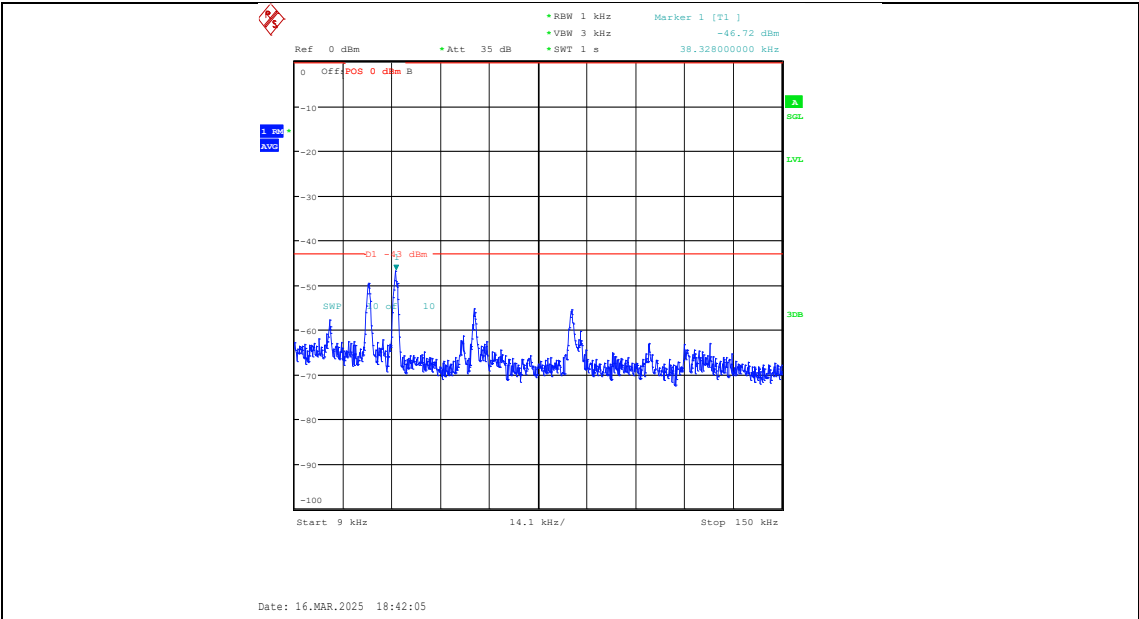
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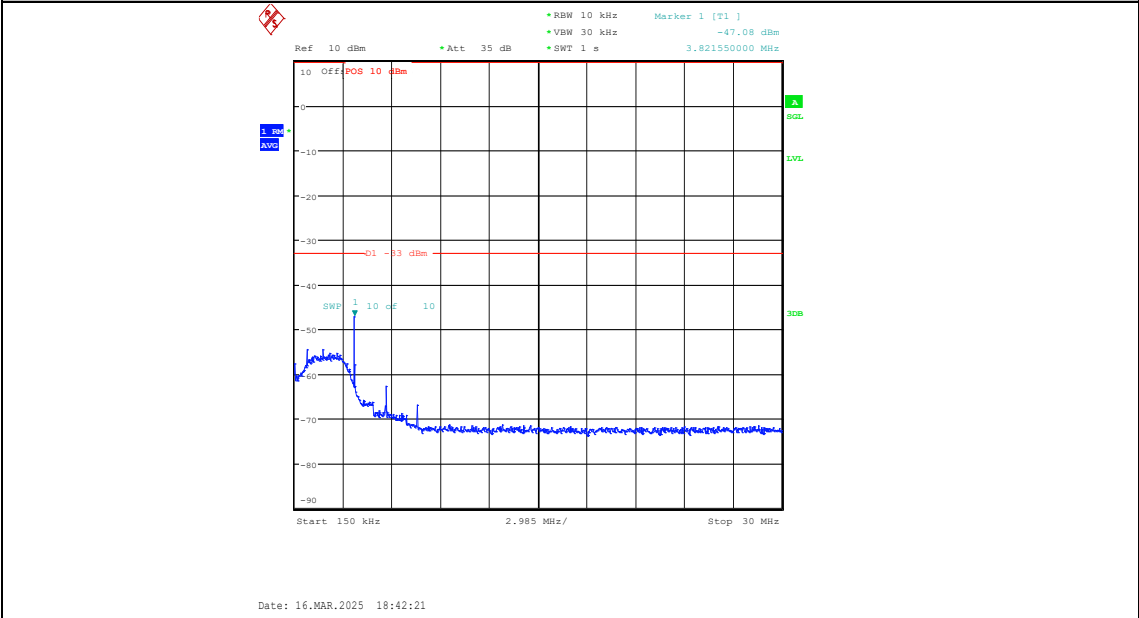
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Band4-1513-30-1000MHz-PASS

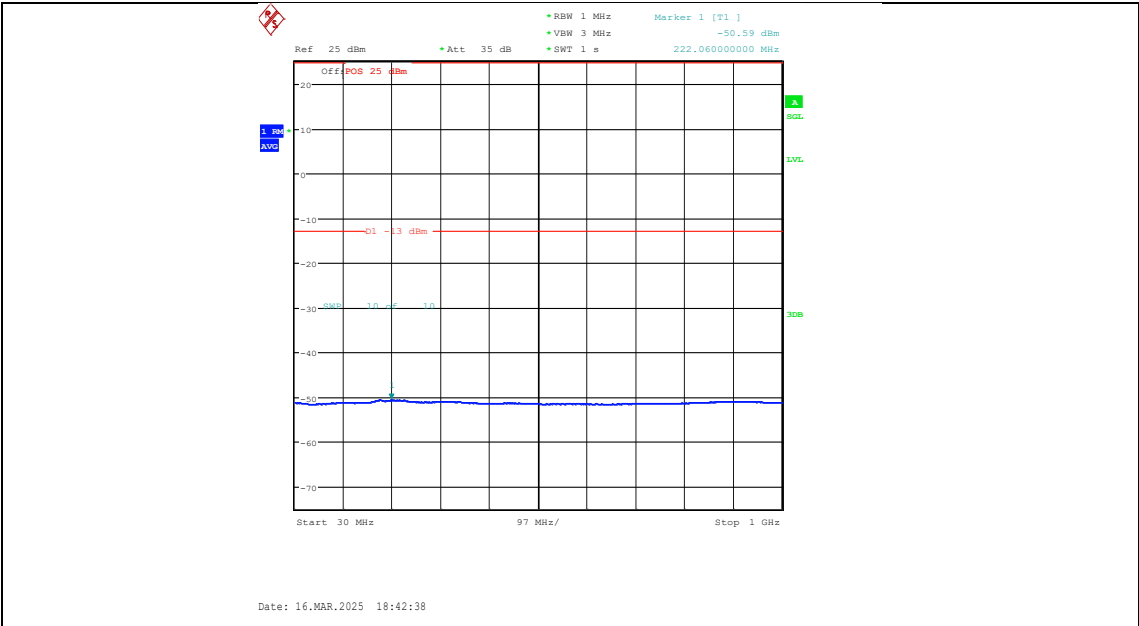
Band4-1513-1000-20000MHz-PASS



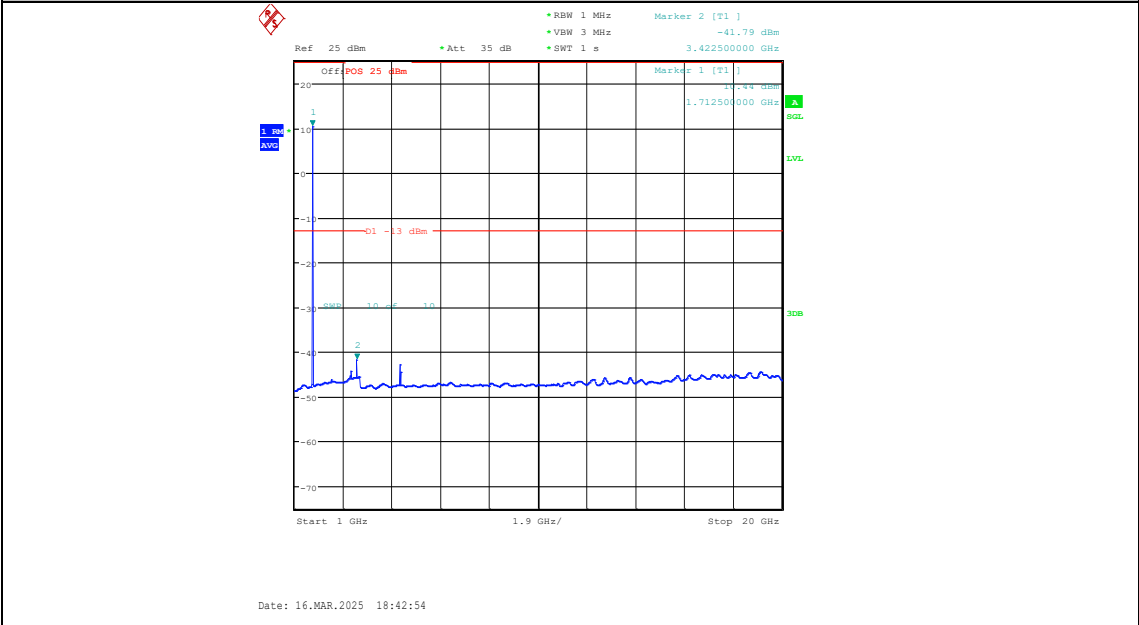
Band4-1312-1-0.009~0.15MHz-PASS



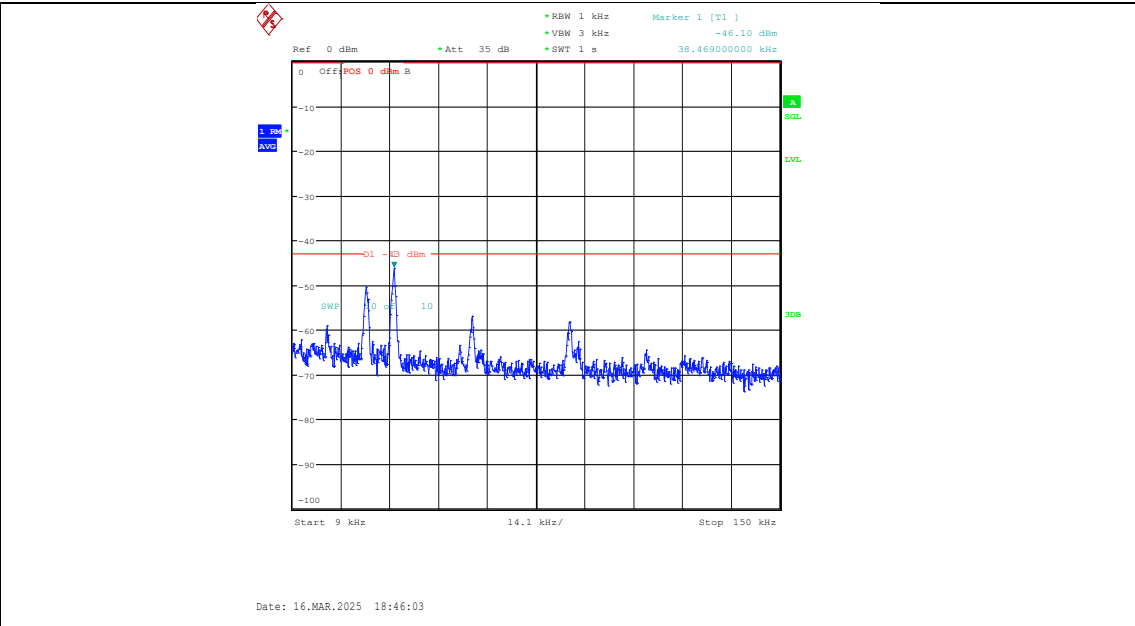
Band4-1312-1-0.15~30MHz-PASS



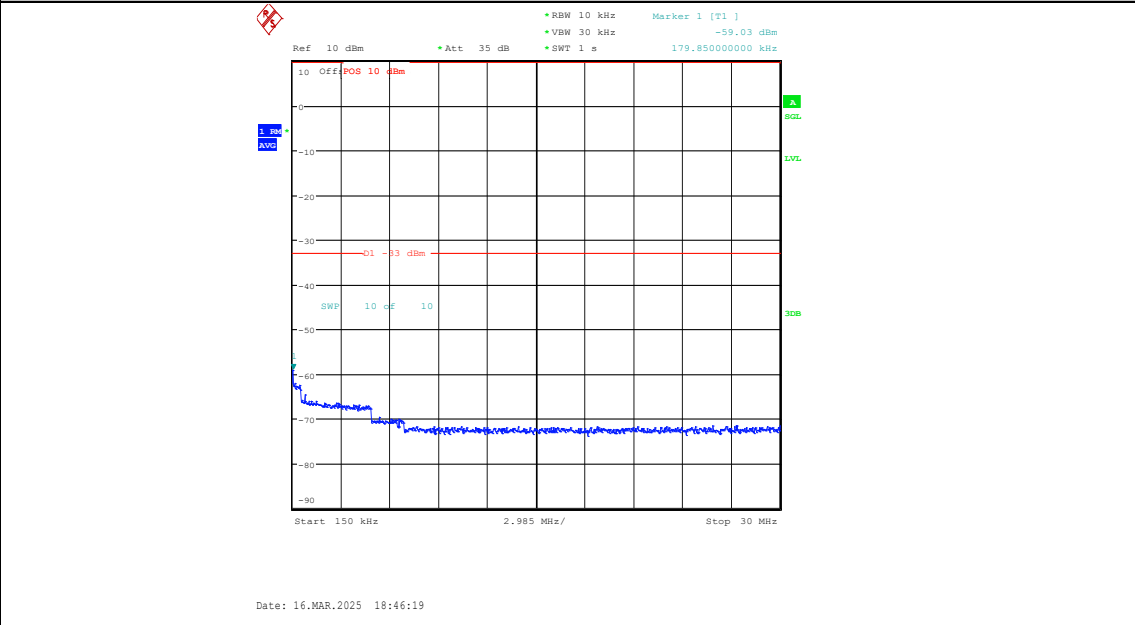
Band4-1312-1-30~1000MHz-PASS



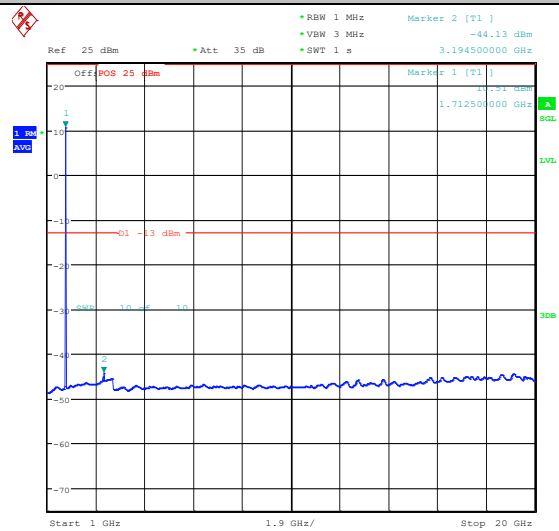
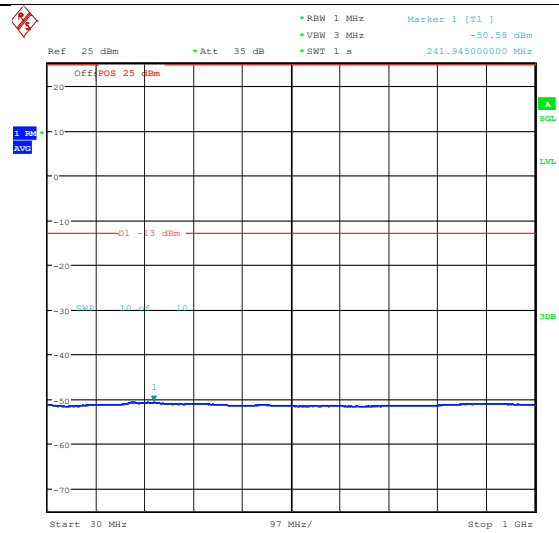
Band4-1312-1-1000~20000MHz-PASS



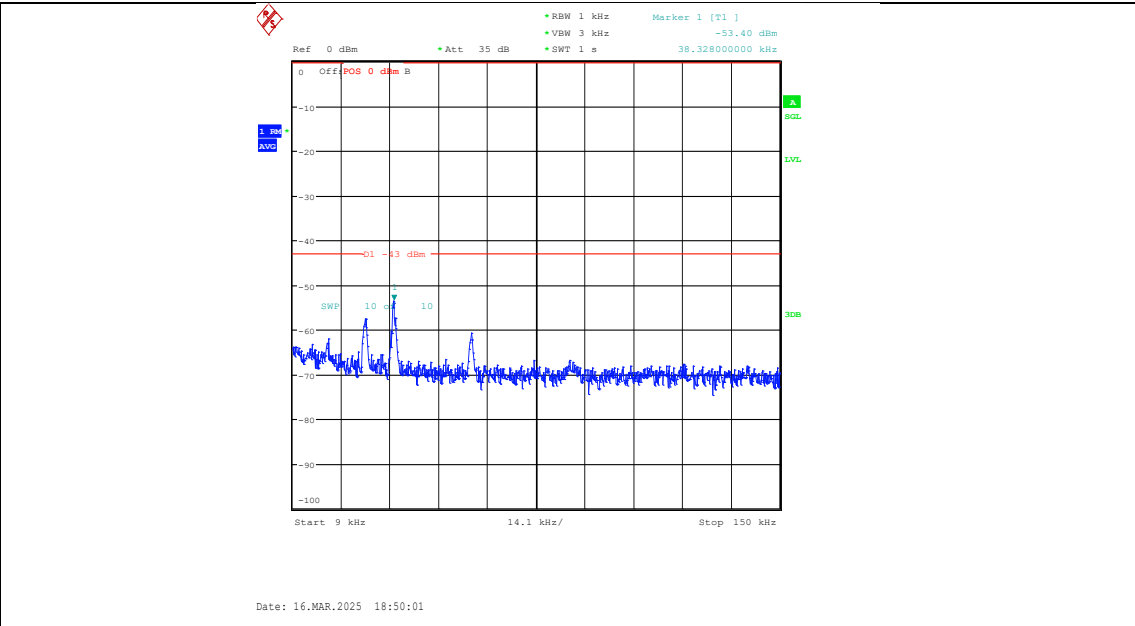
Band4-1312-2-0.009~0.15MHz-PASS



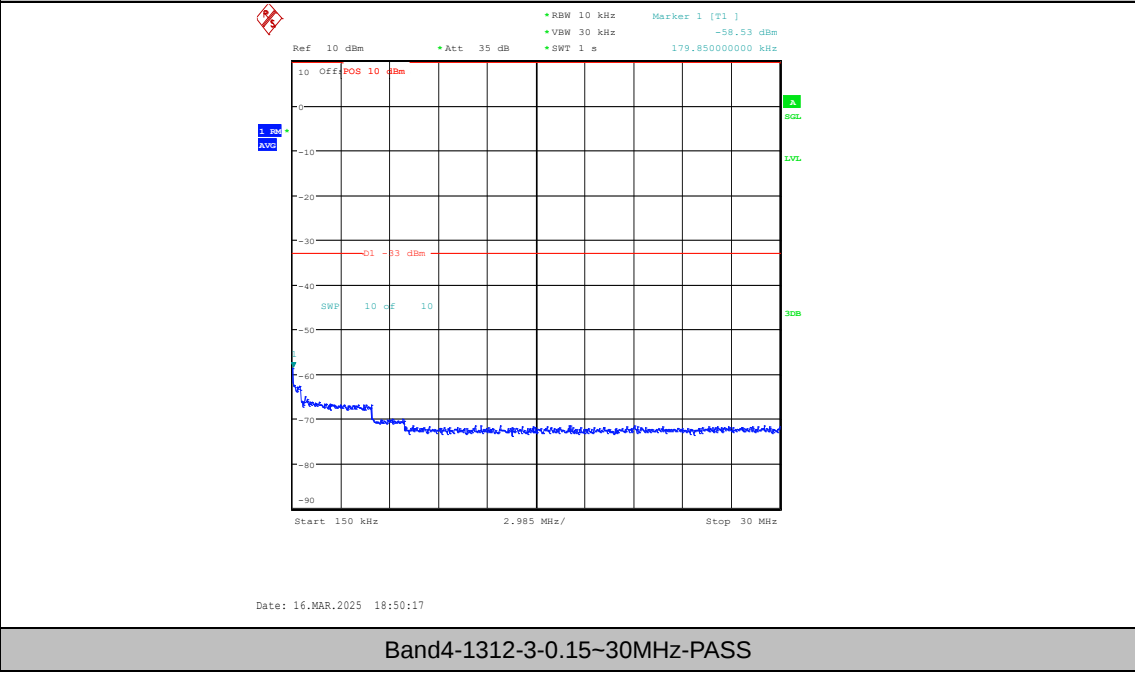
Band4-1312-2-0.15~30MHz-PASS



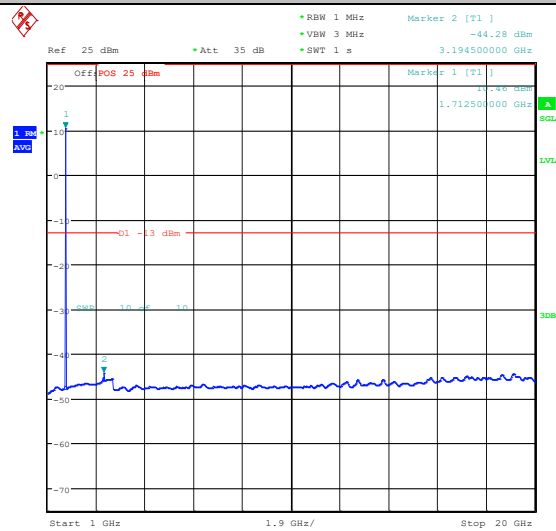
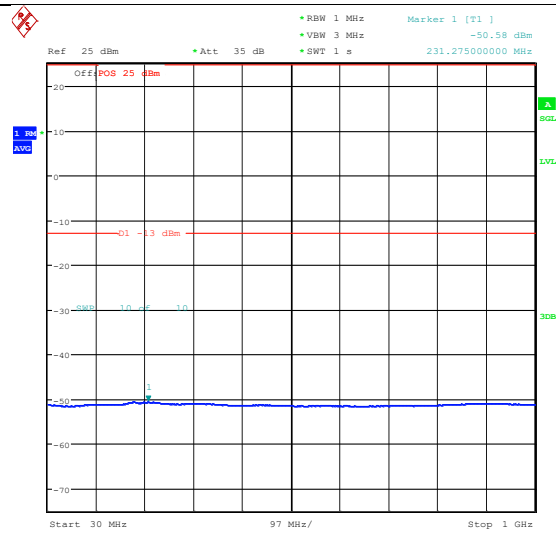
Band4-1312-2-1000~20000MHz-PASS



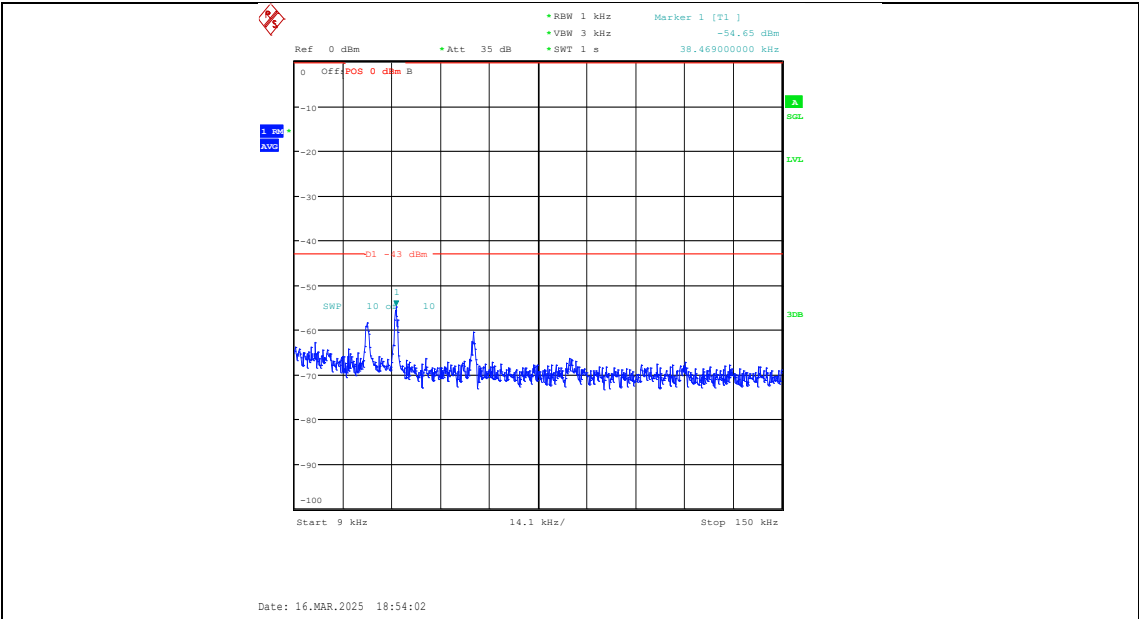
Band4-1312-3-0.009~0.15MHz-PASS



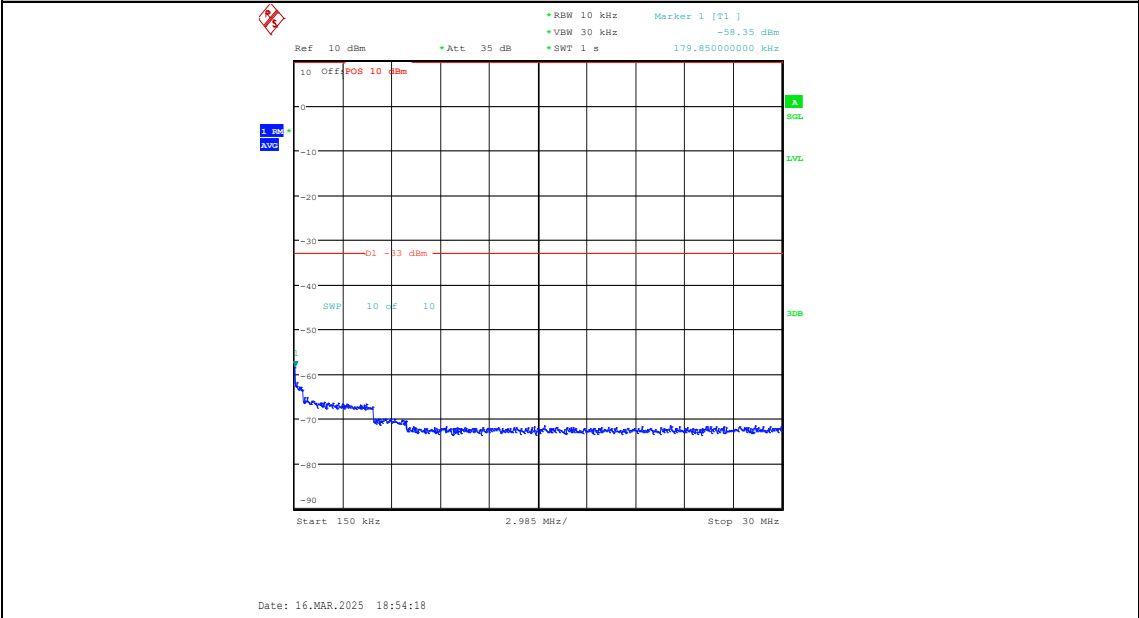
Band4-1312-3-0.15~30MHz-PASS



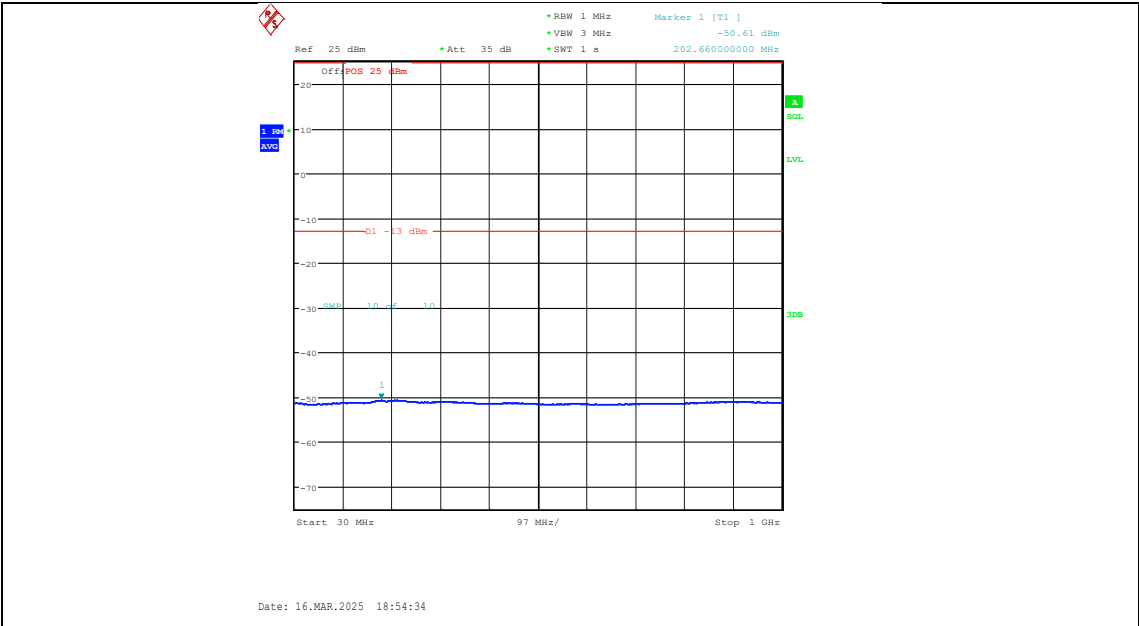
Band4-1312-3-1000~20000MHz-PASS



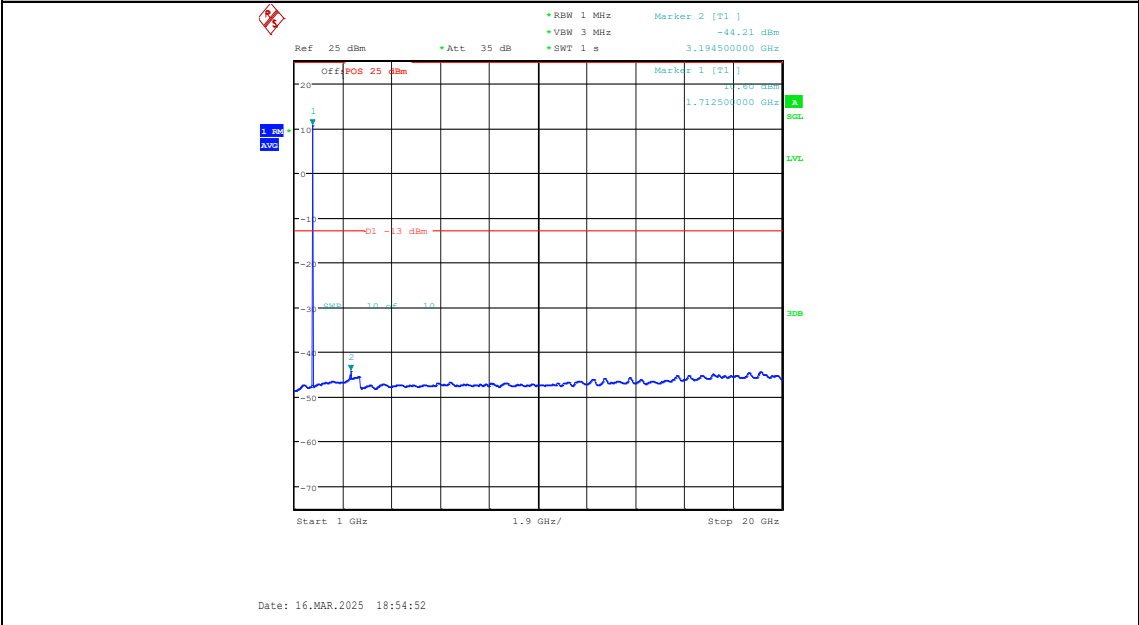
Band4-1312-4-0.009~0.15MHz-PASS



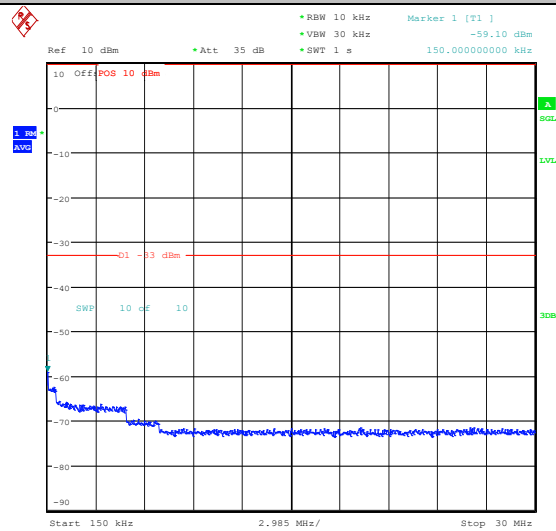
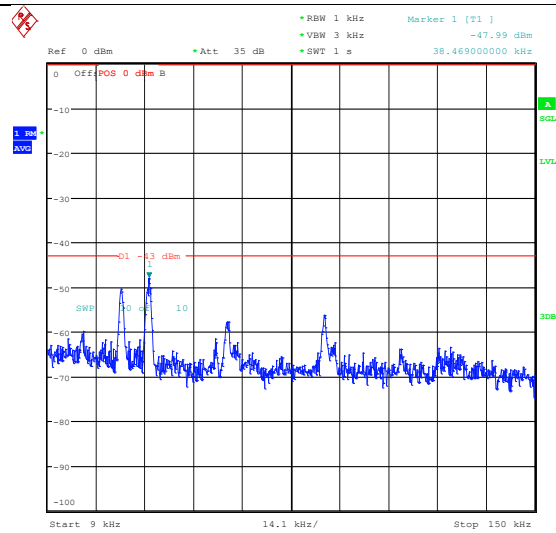
Band4-1312-4-0.15~30MHz-PASS



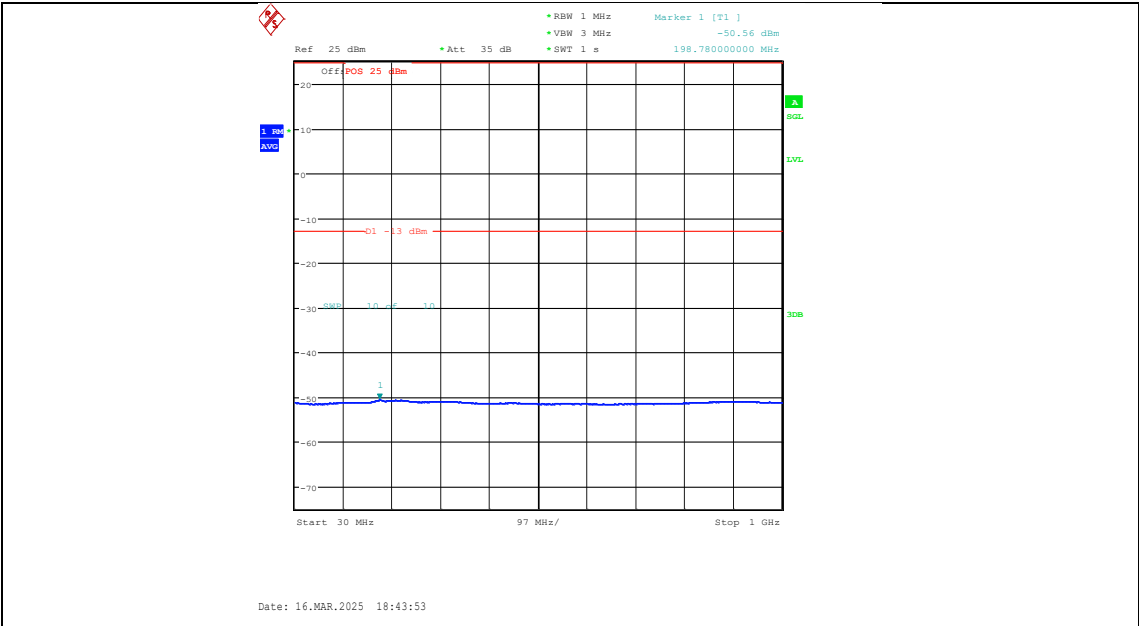
Band4-1312-4-30~1000MHz-PASS



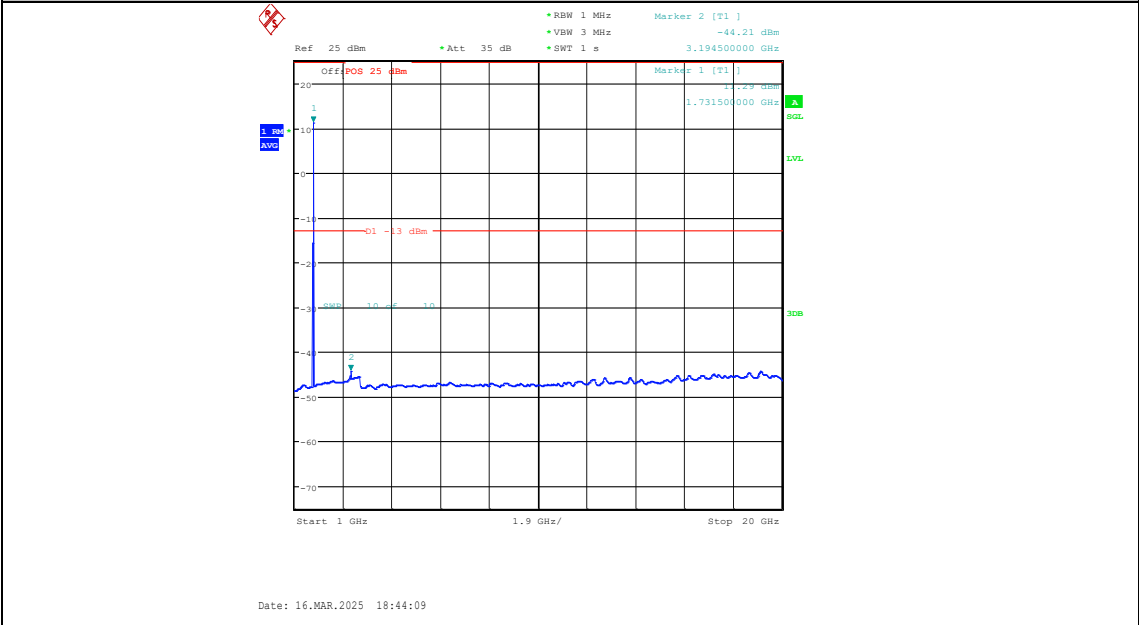
Band4-1312-4-1000~20000MHz-PASS



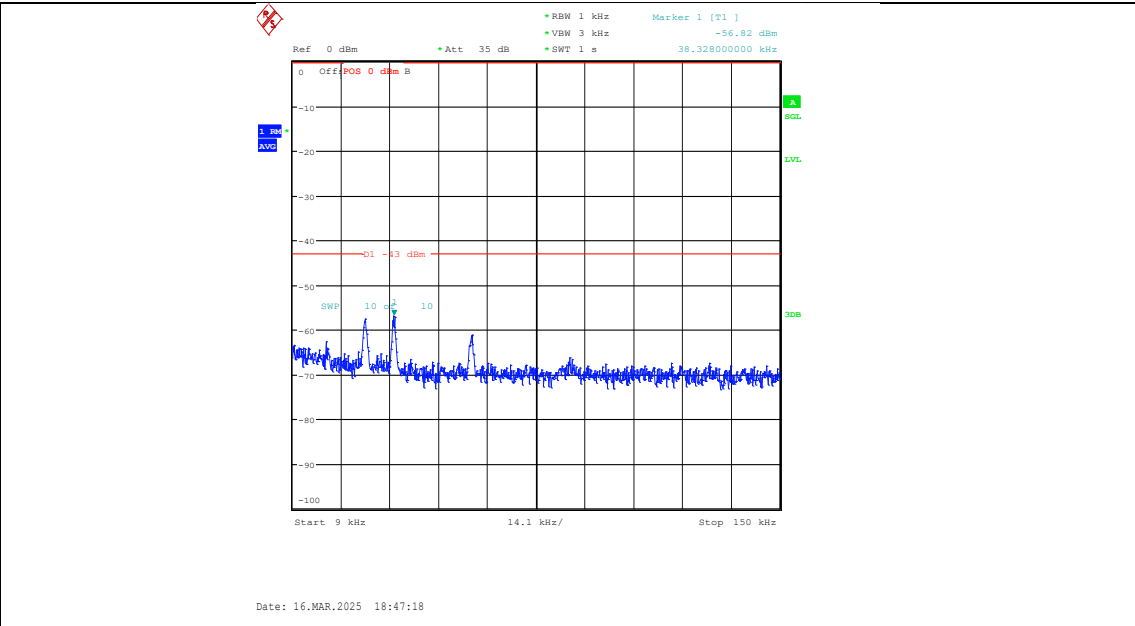
Band4-1413-1-0.15~30MHz-PASS



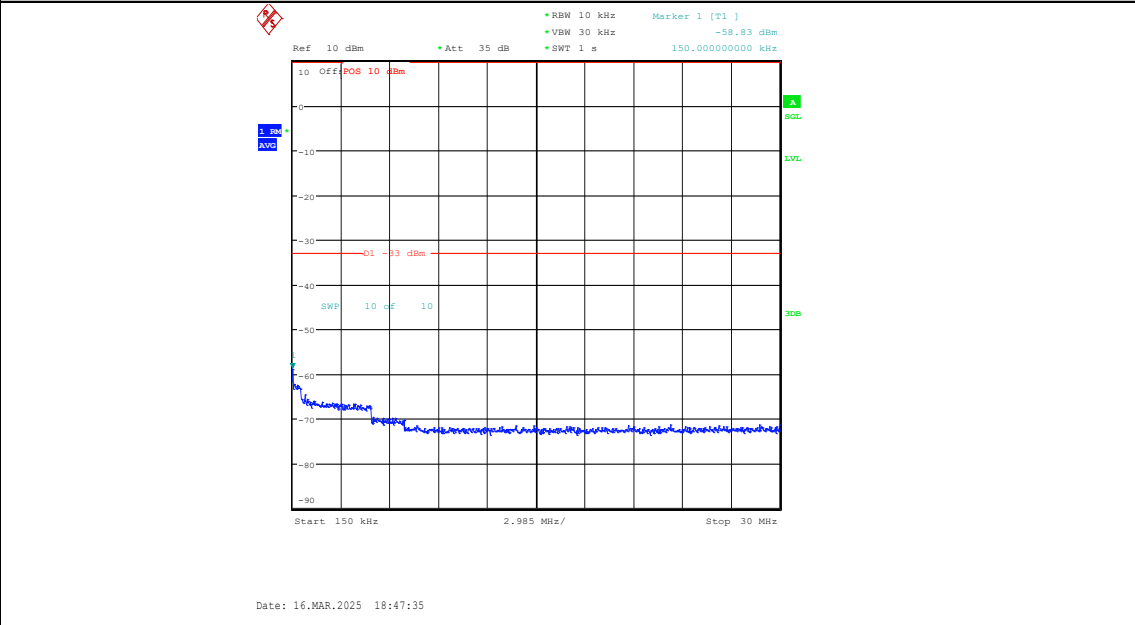
Band4-1413-1-30~1000MHz-PASS



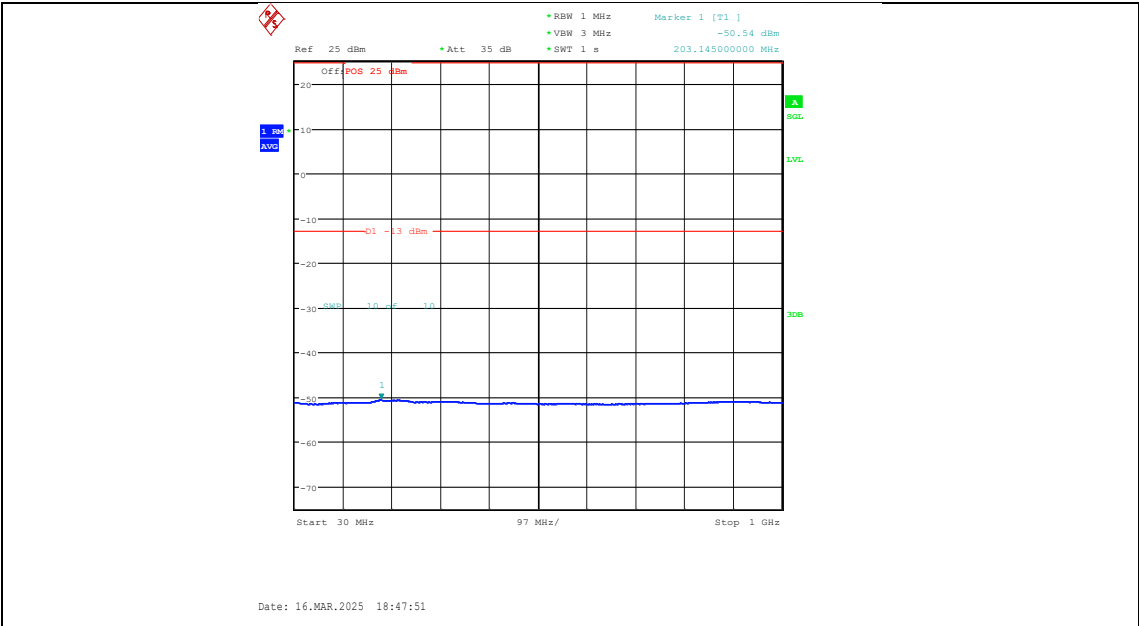
Band4-1413-1-1000~20000MHz-PASS



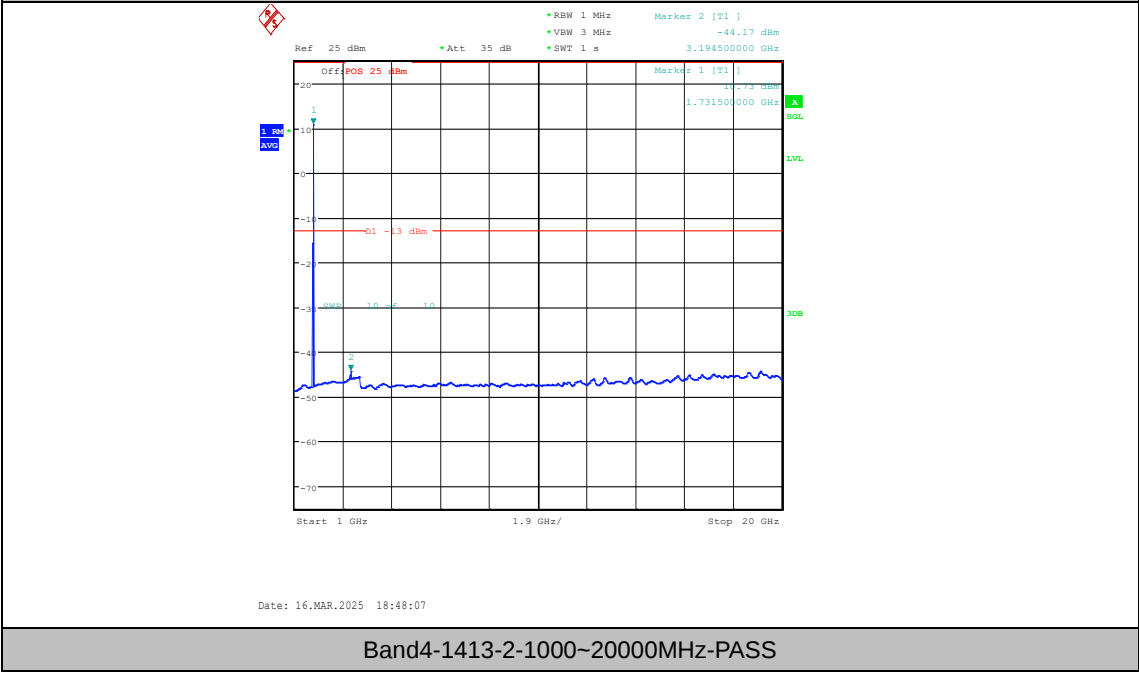
Band4-1413-2-0.009~0.15MHz-PASS



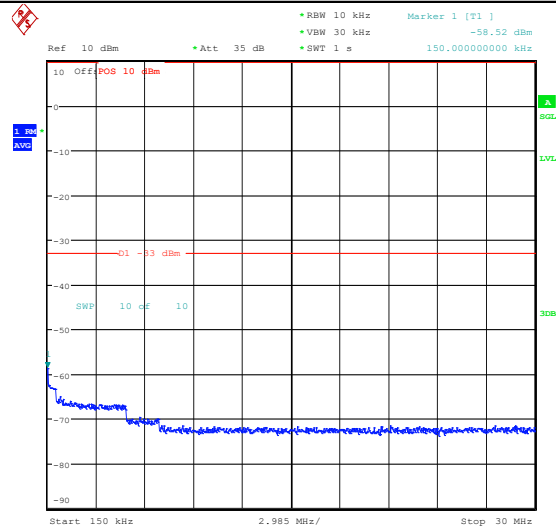
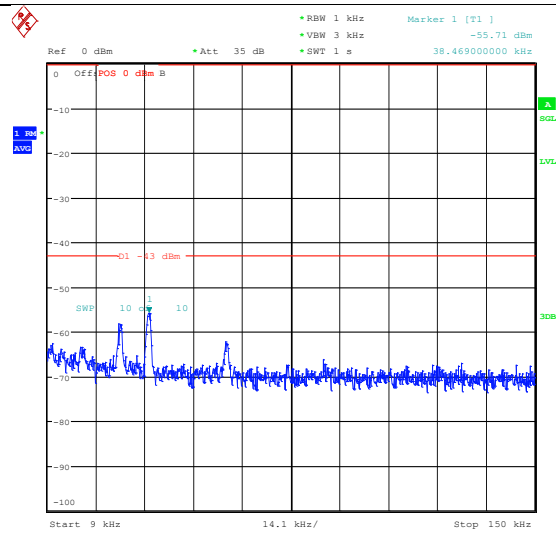
Band4-1413-2-0.15~30MHz-PASS



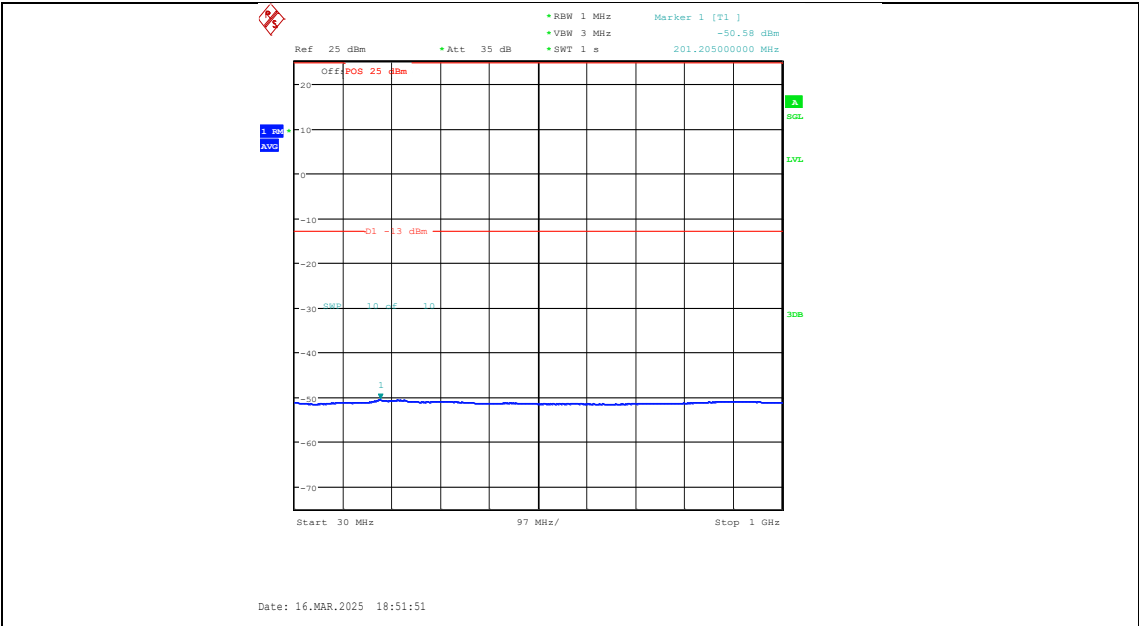
Band4-1413-2-30~1000MHz-PASS



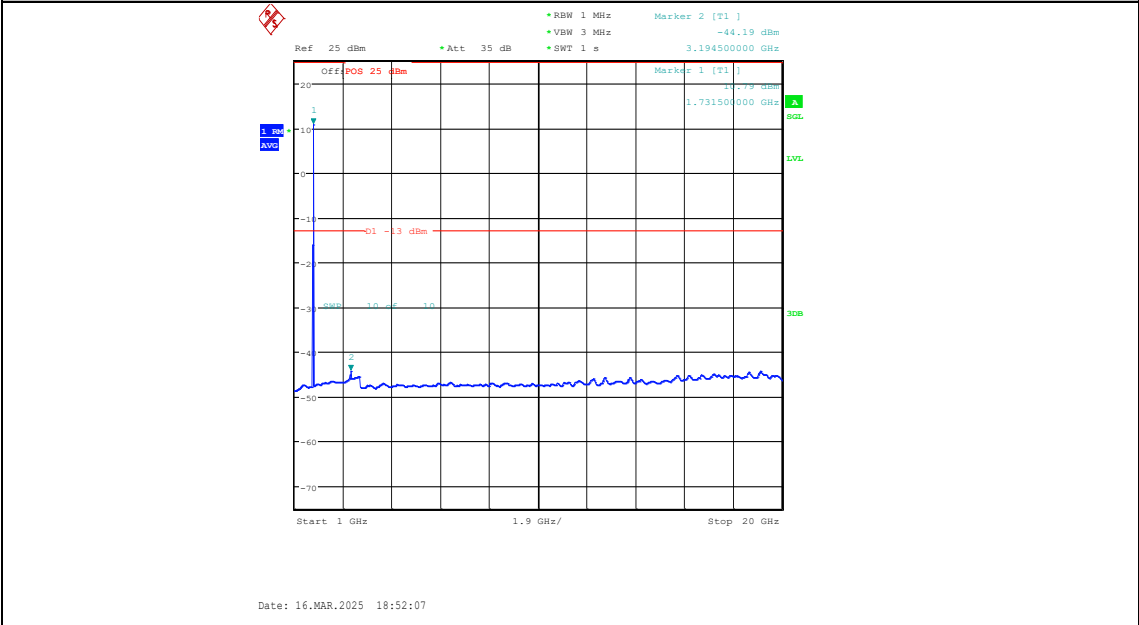
Band4-1413-2-1000~20000MHz-PASS



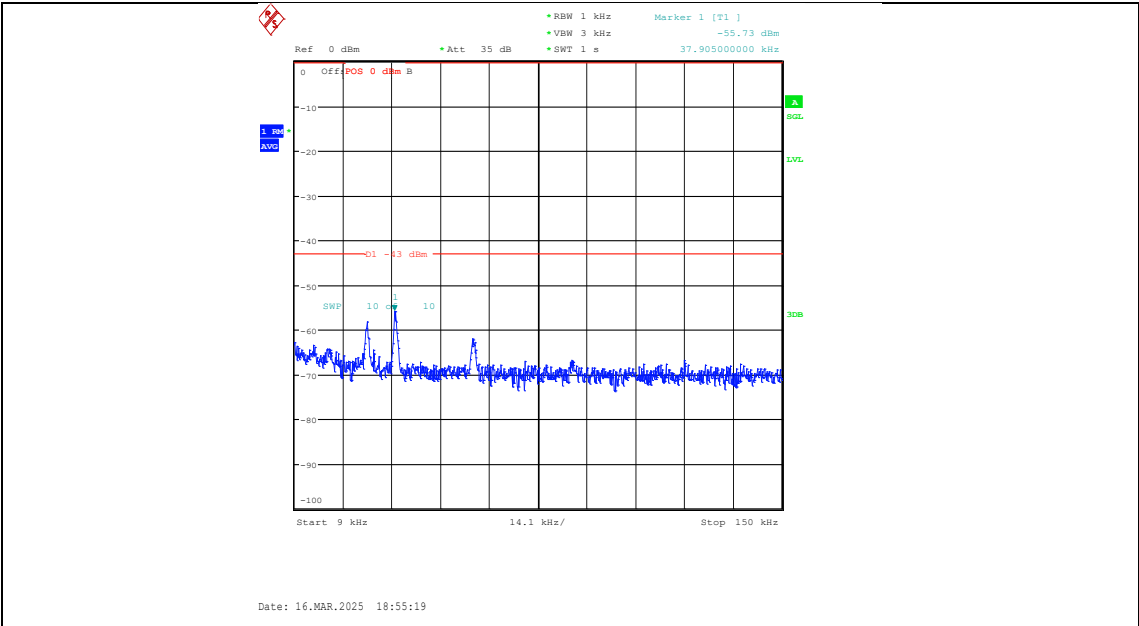
Band4-1413-3-0.15~30MHz-PASS



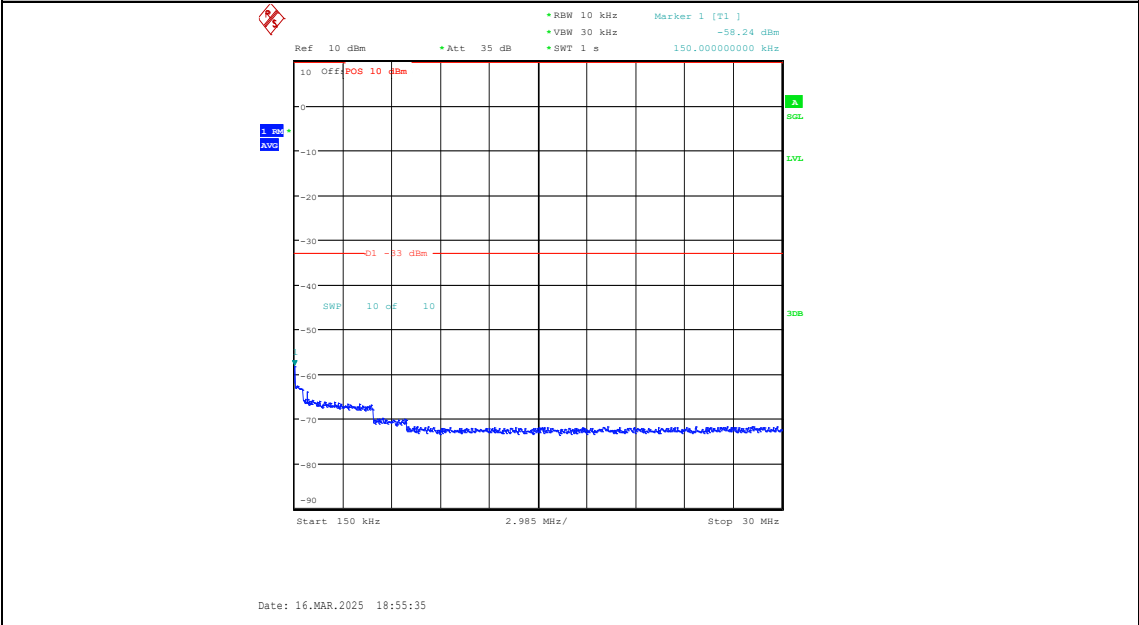
Band4-1413-3-30~1000MHz-PASS



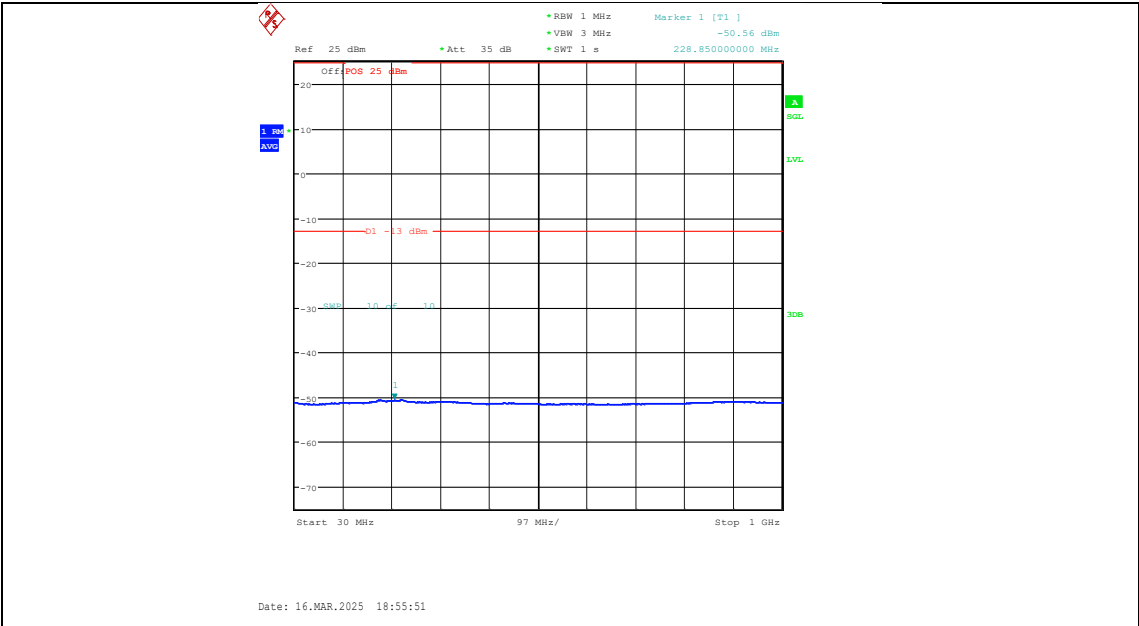
Band4-1413-3-1000~20000MHz-PASS



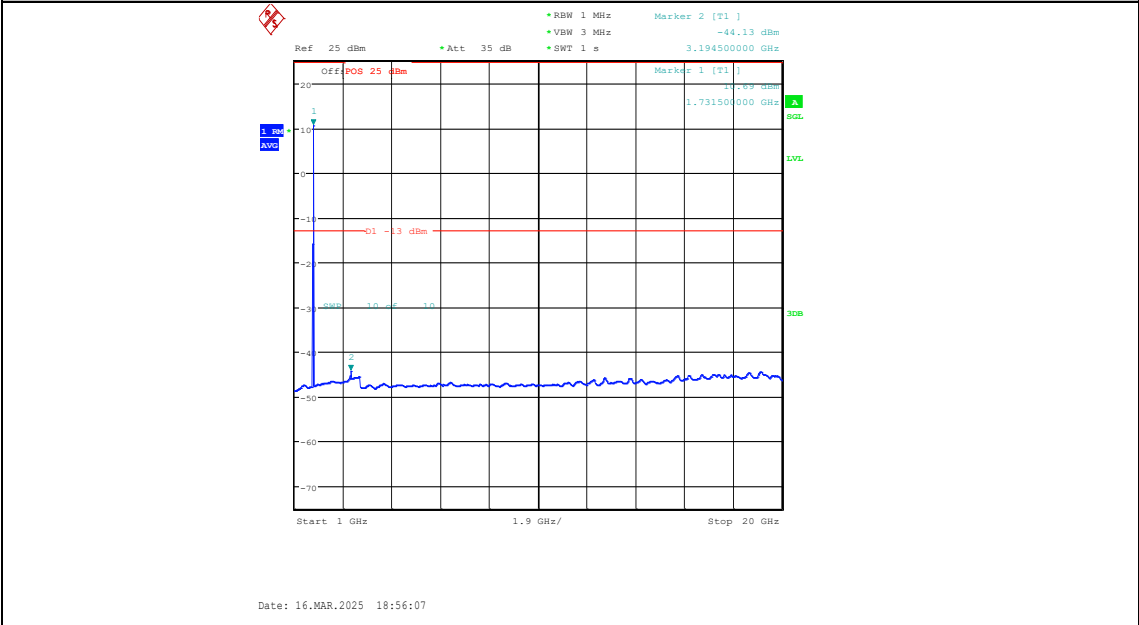
Band4-1413-4-0.009~0.15MHz-PASS



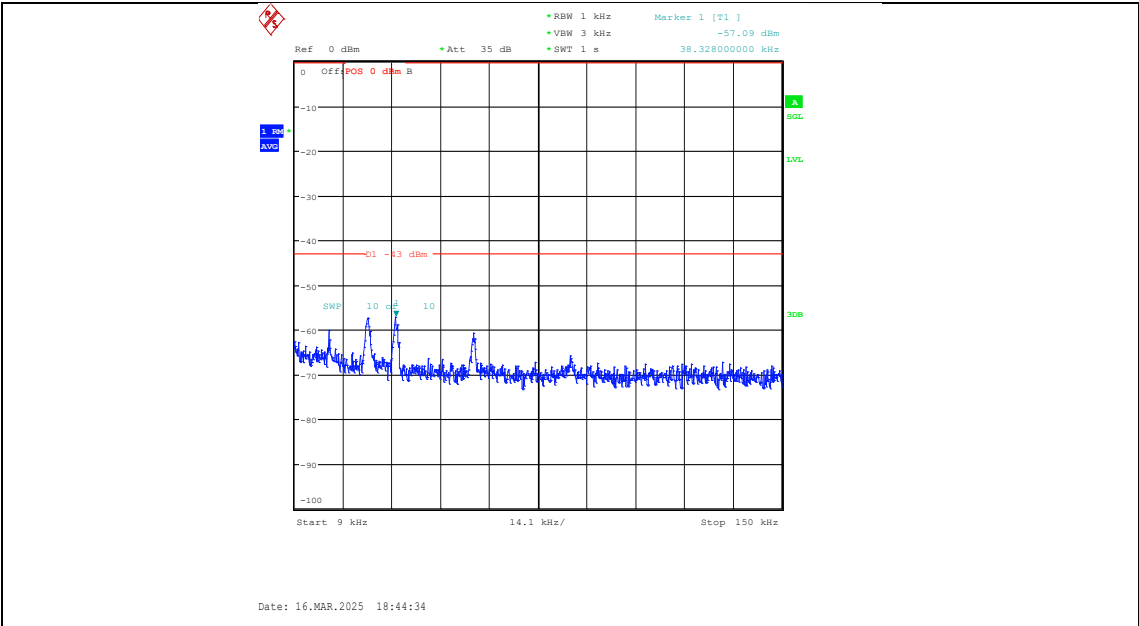
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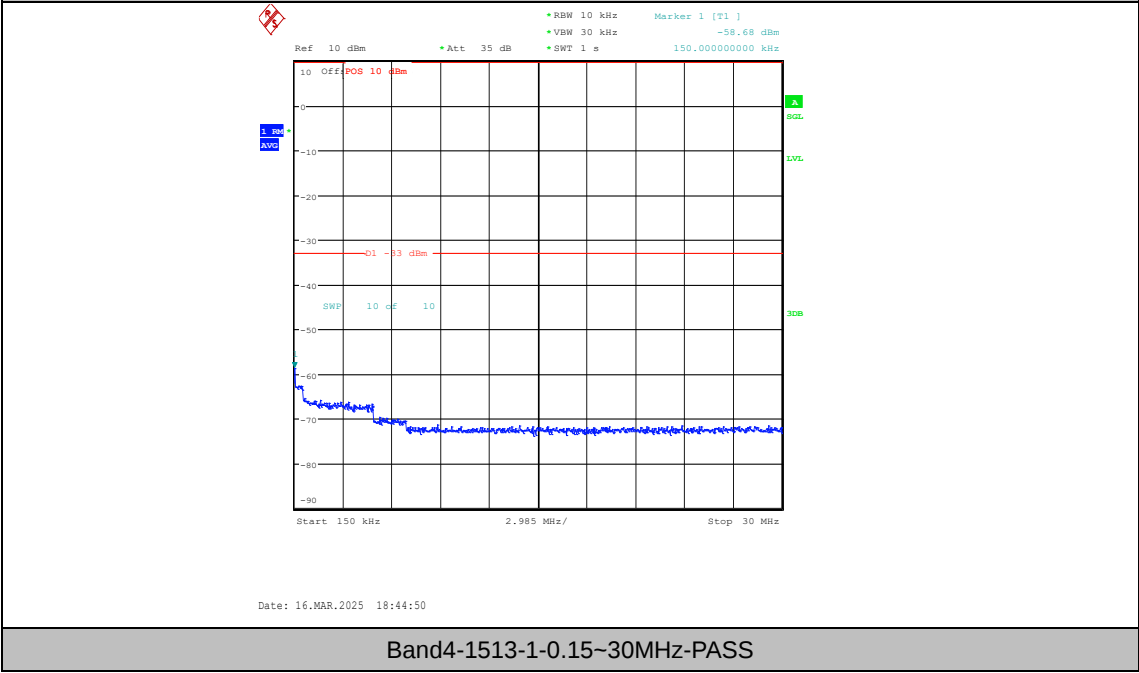
Band4-1413-4-30~1000MHz-PASS



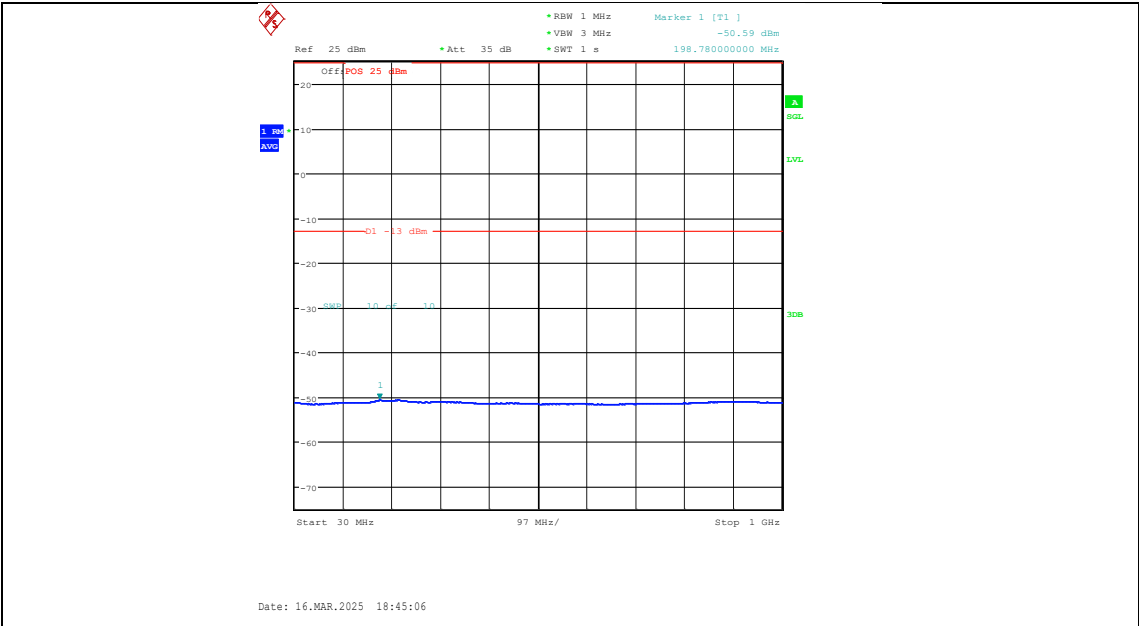
Band4-1413-4-1000~20000MHz-PASS



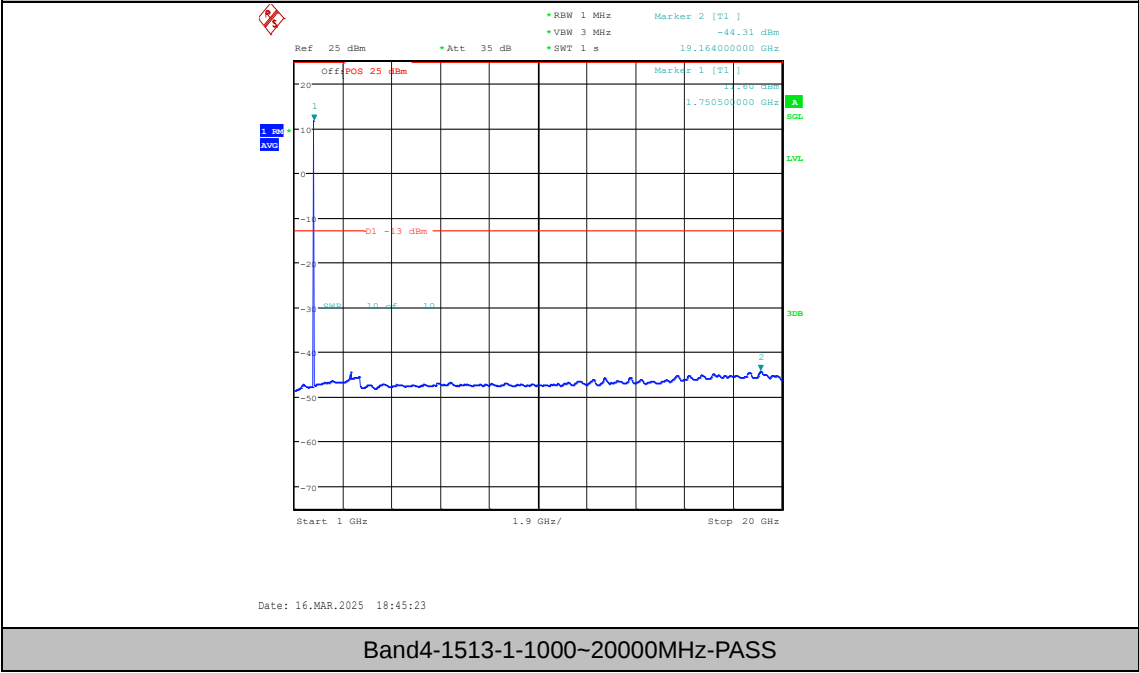
Band4-1513-1-0.009~0.15MHz-PASS



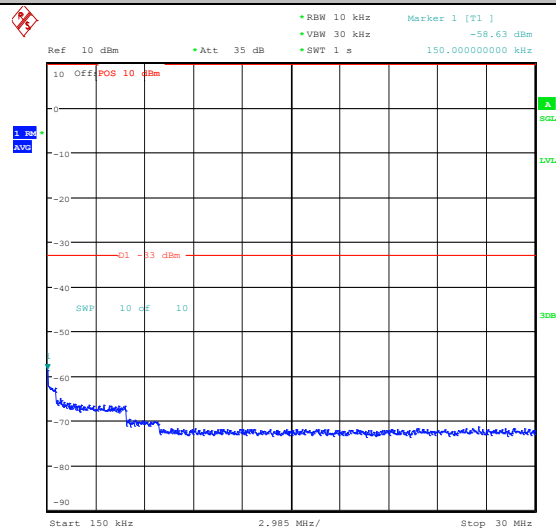
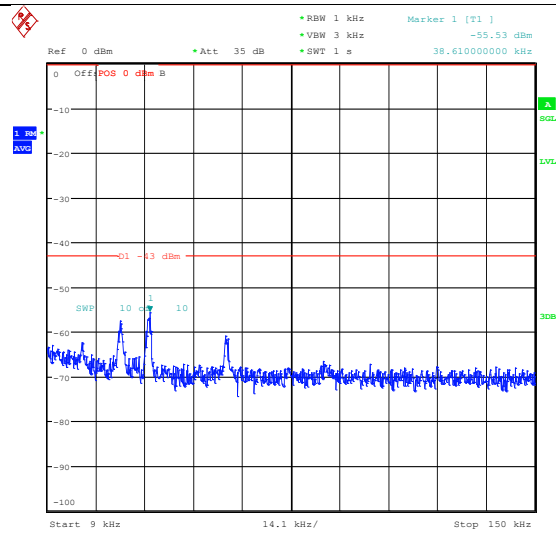
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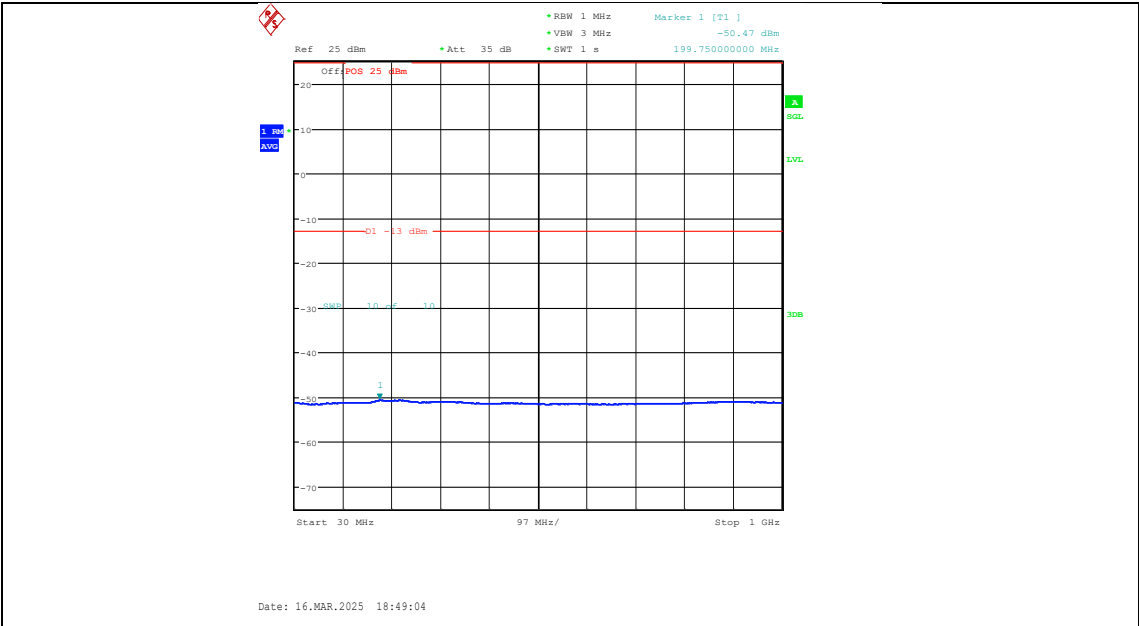
Band4-1513-1-30~1000MHz-PASS



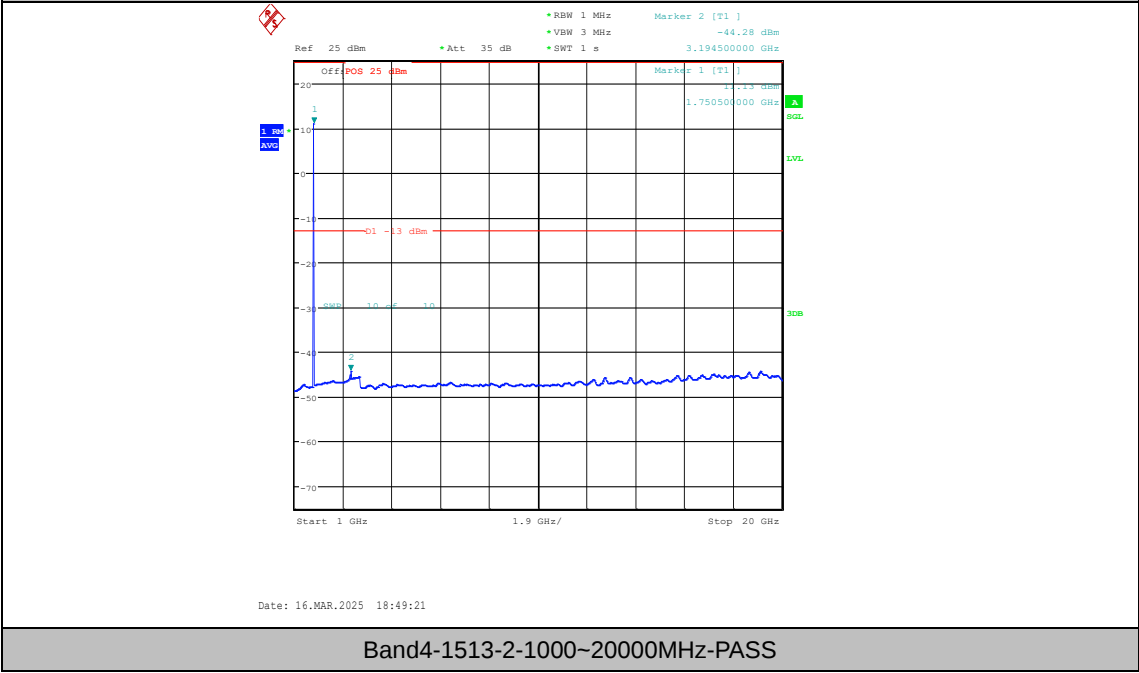
Band4-1513-1-1000~20000MHz-PASS



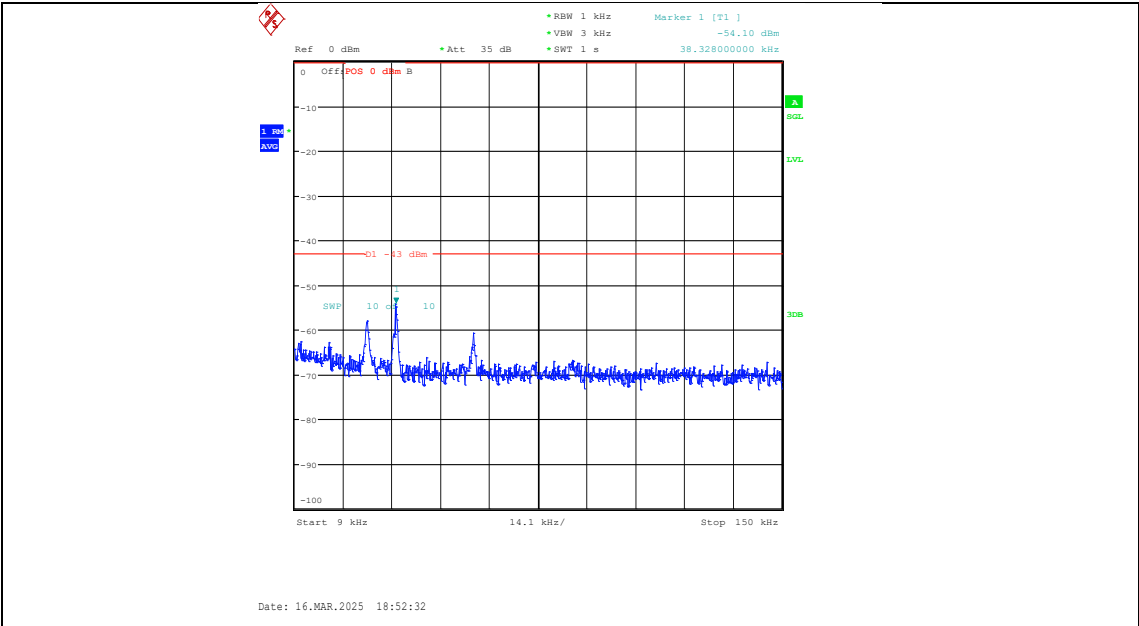
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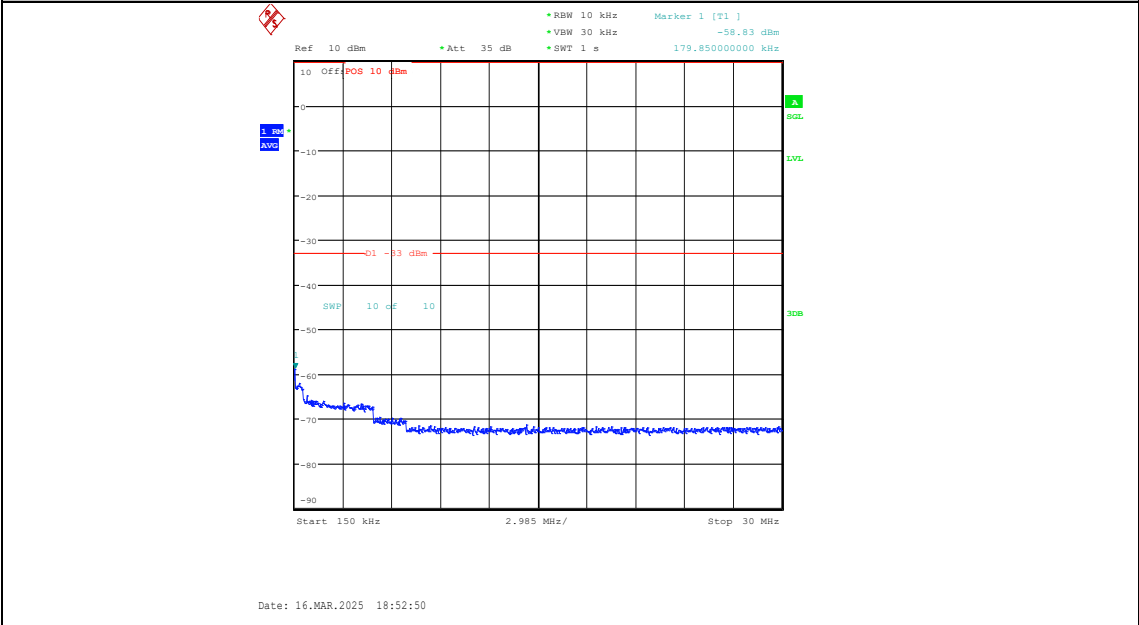
Band4-1513-2-30~1000MHz-PASS



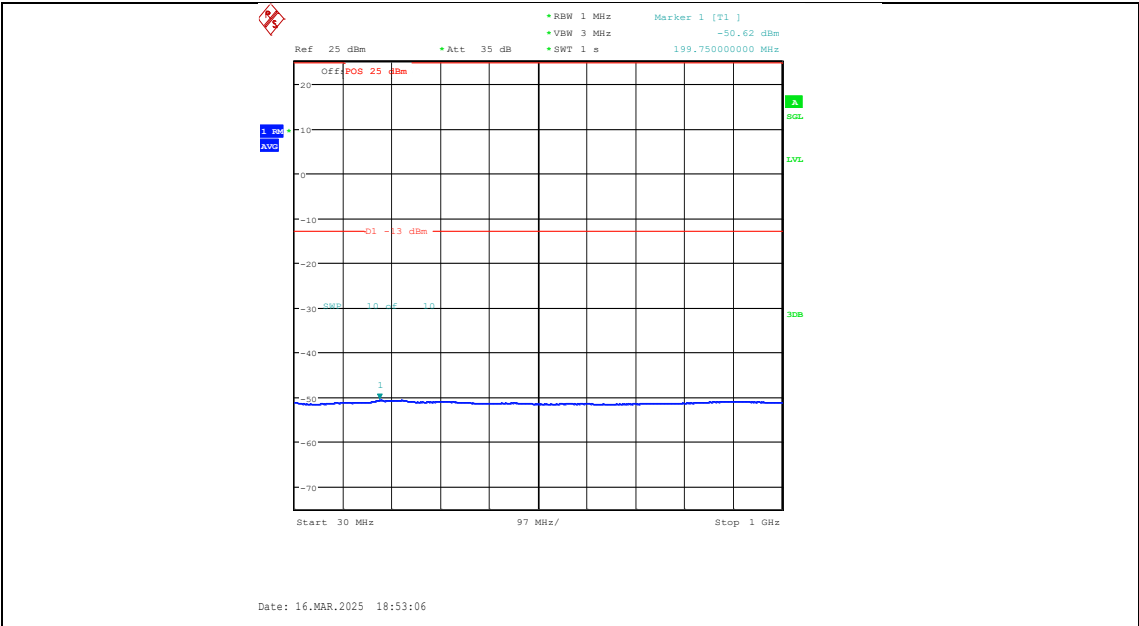
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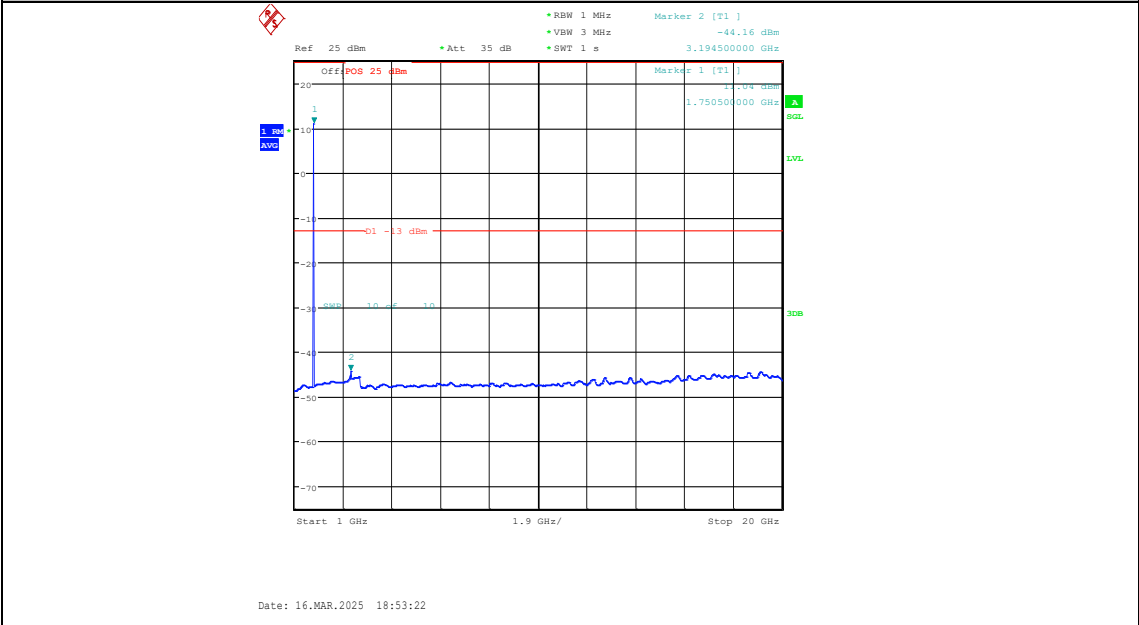
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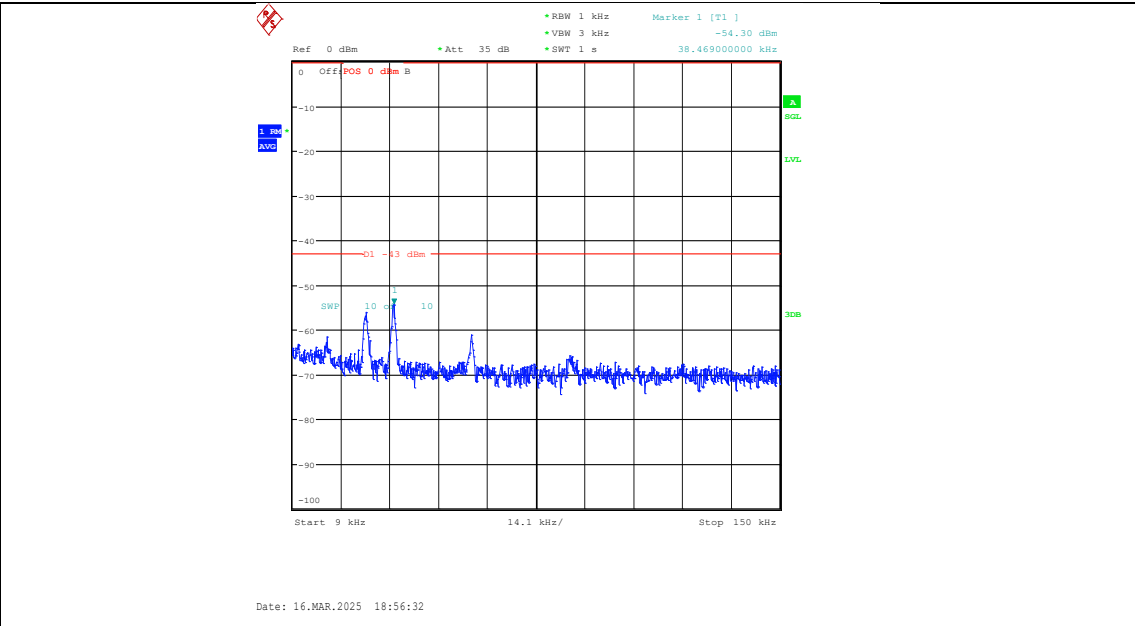
Band4-1513-3-0.15~30MHz-PASS



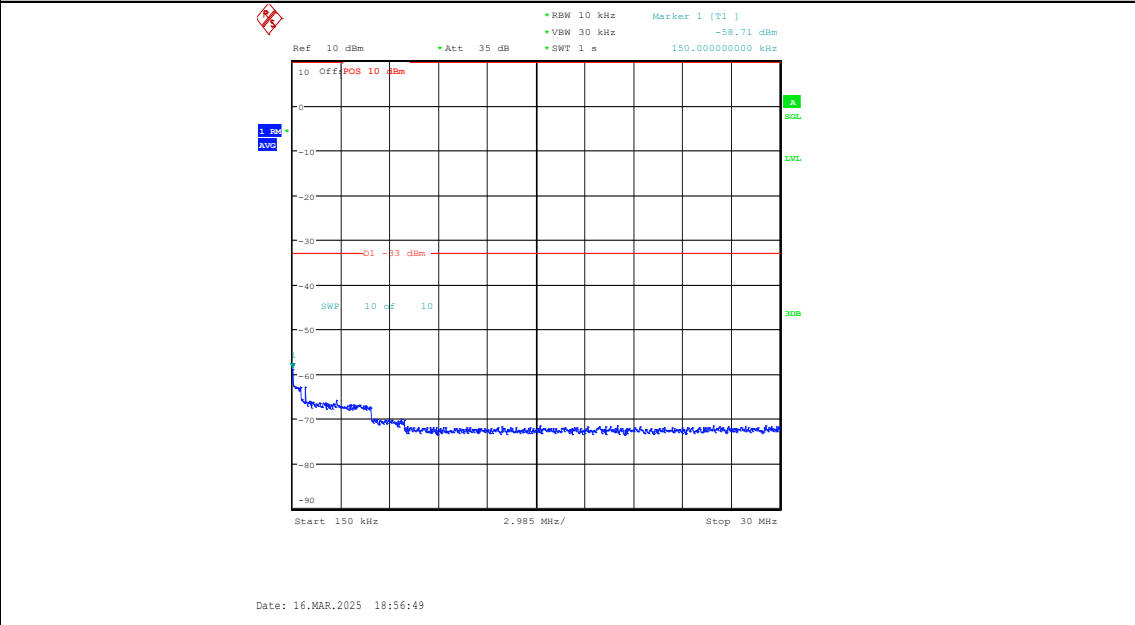
Band4-1513-3-30~1000MHz-PASS



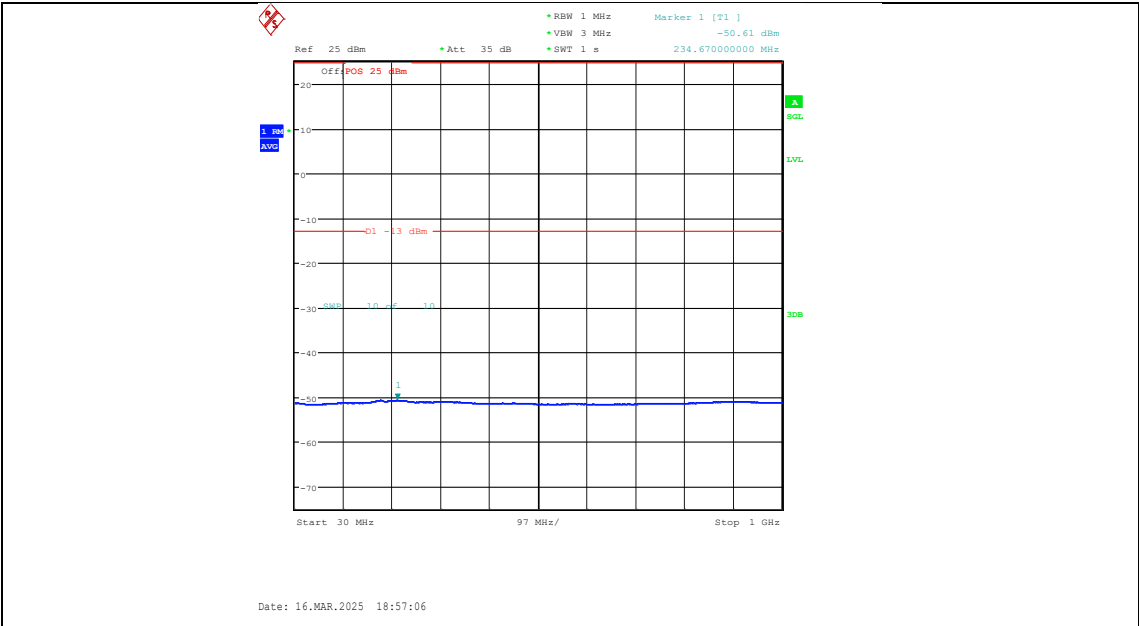
Band4-1513-3-1000~20000MHz-PASS



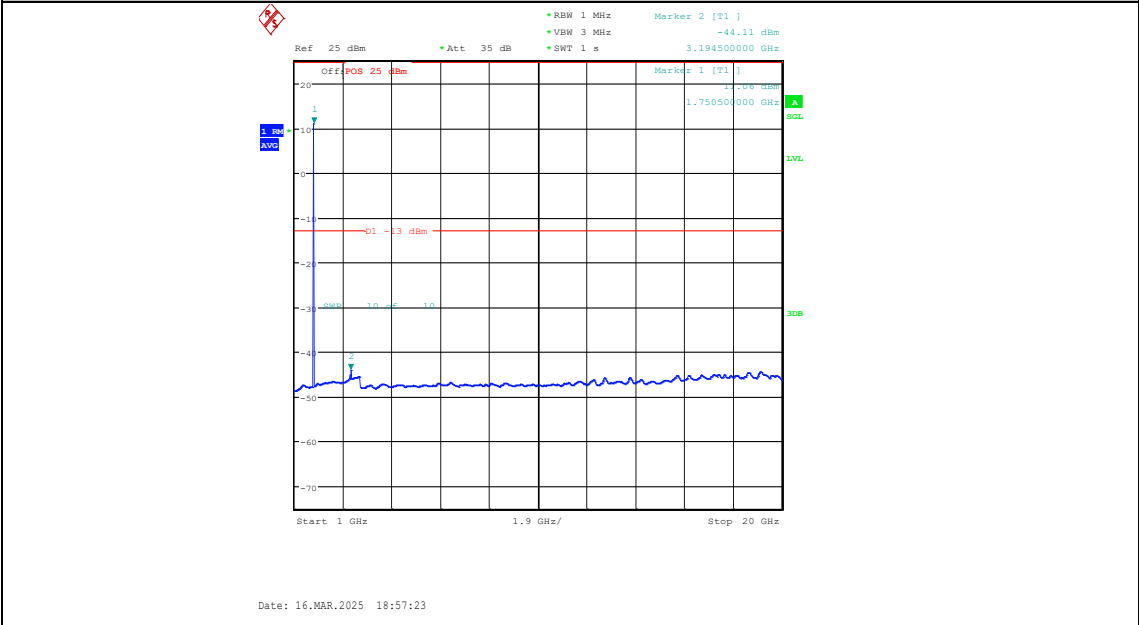
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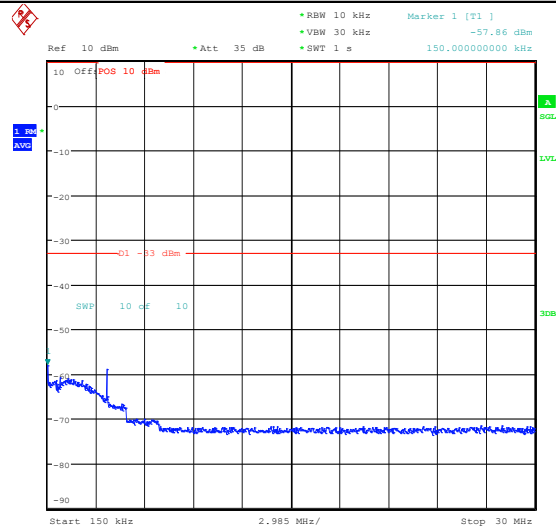
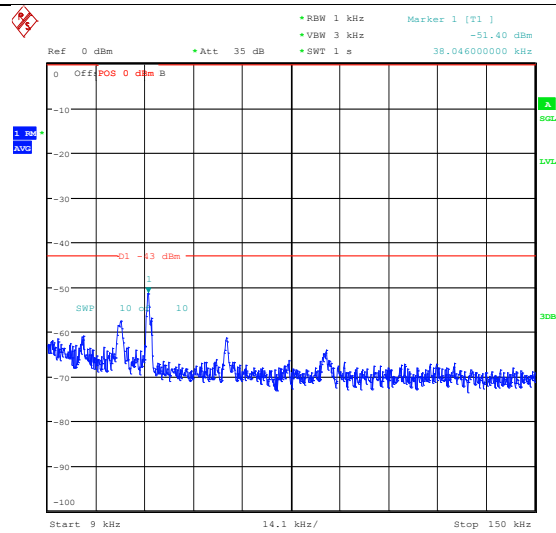
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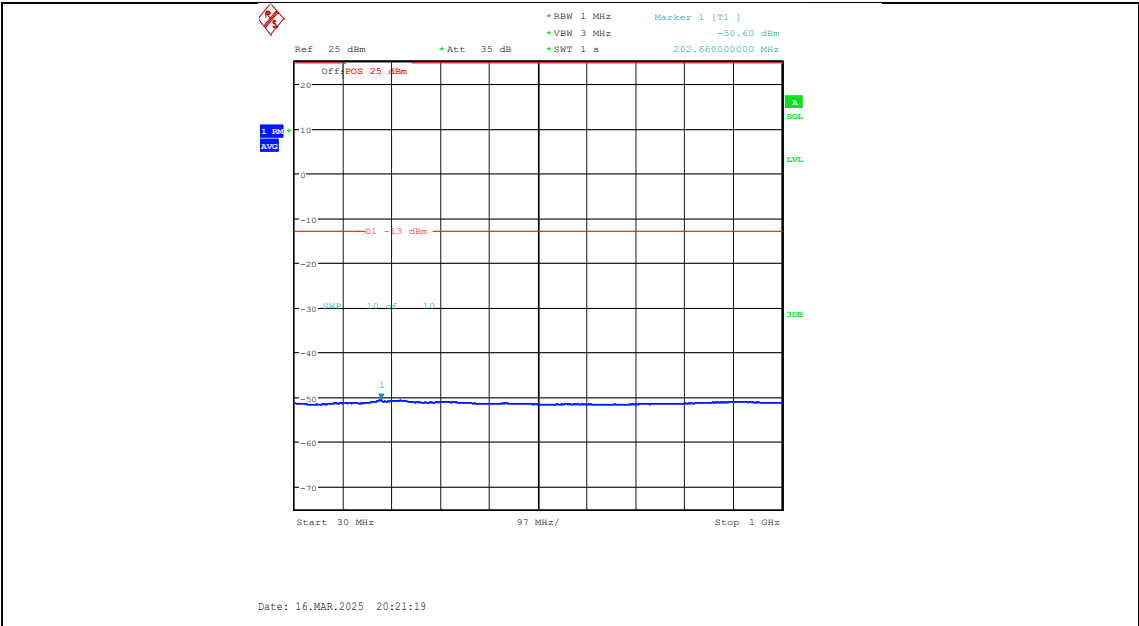
Band4-1513-4-30~1000MHz-PASS



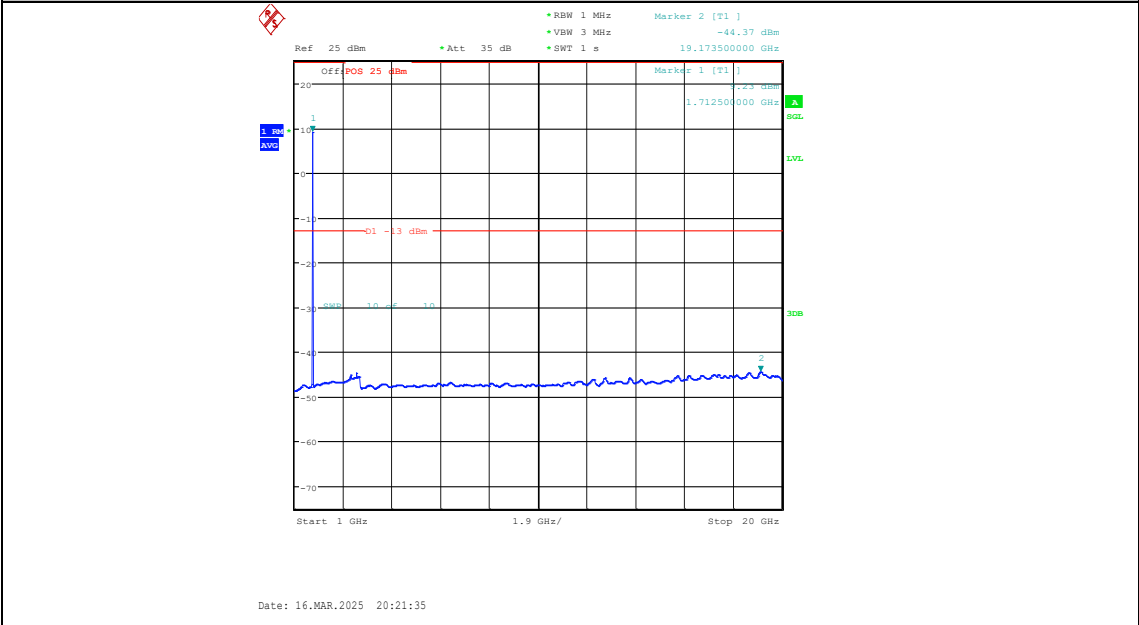
Band4-1513-4-1000~20000MHz-PASS



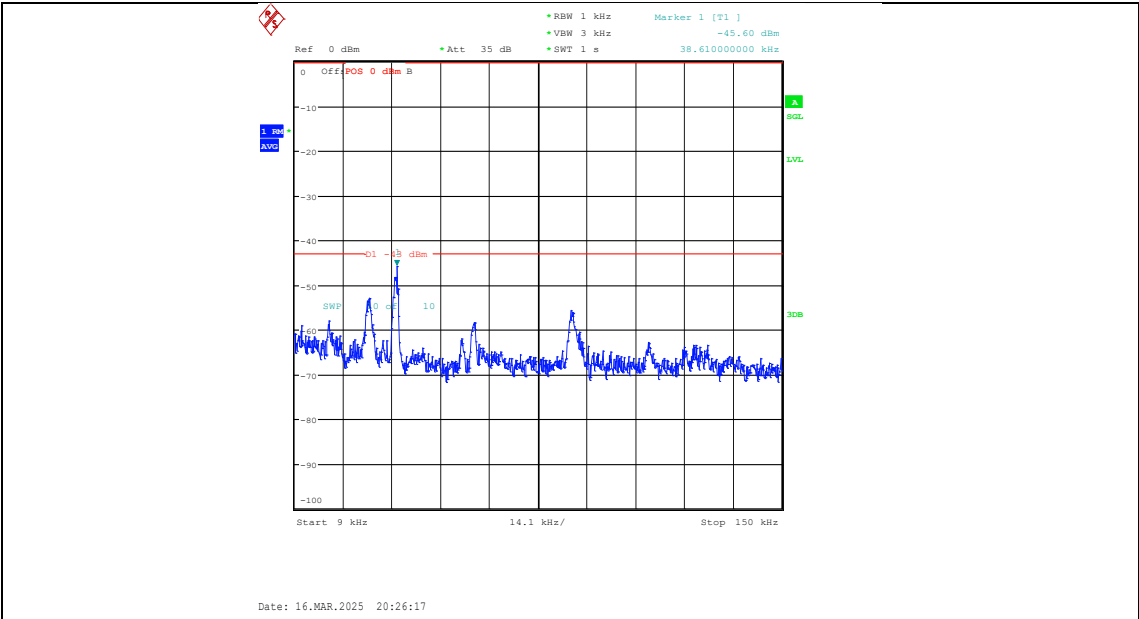
Band4-1312-1-0.15~30MHz-PASS



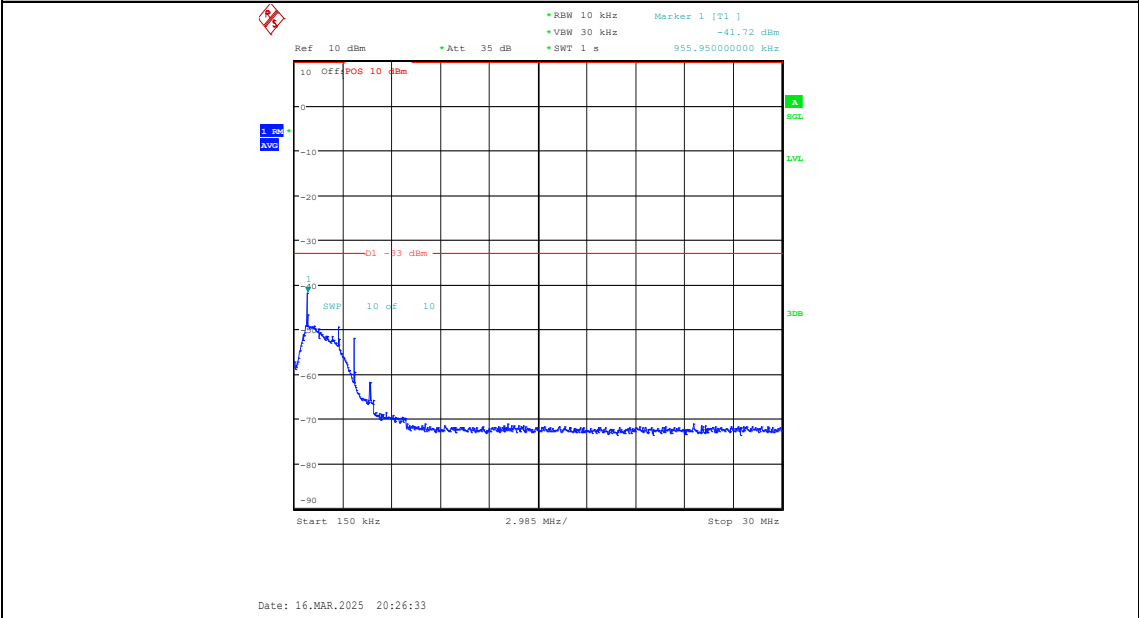
Band4-1312-1-30~1000MHz-PASS



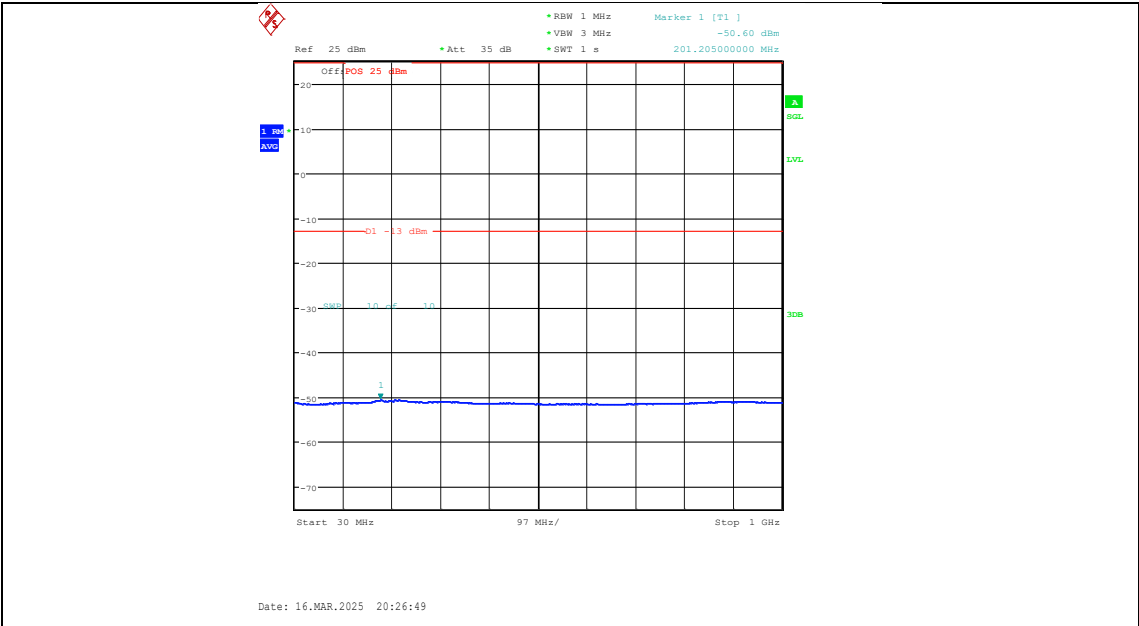
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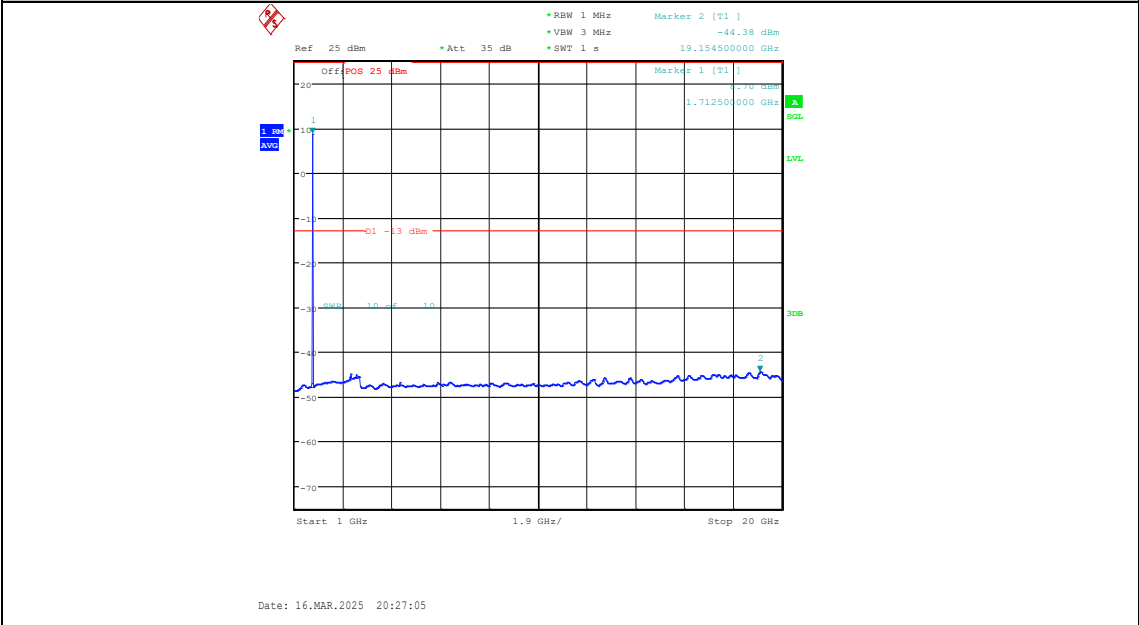
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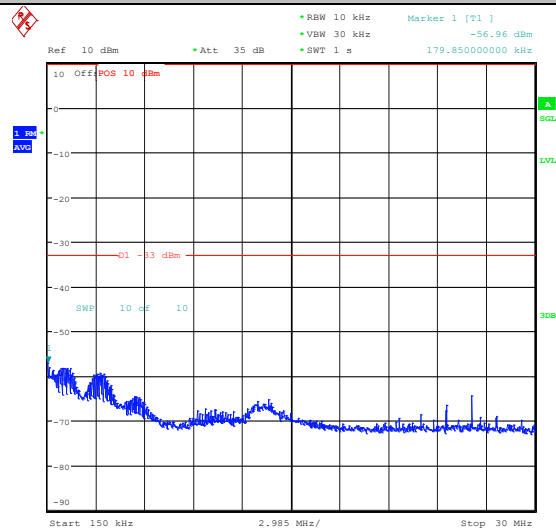
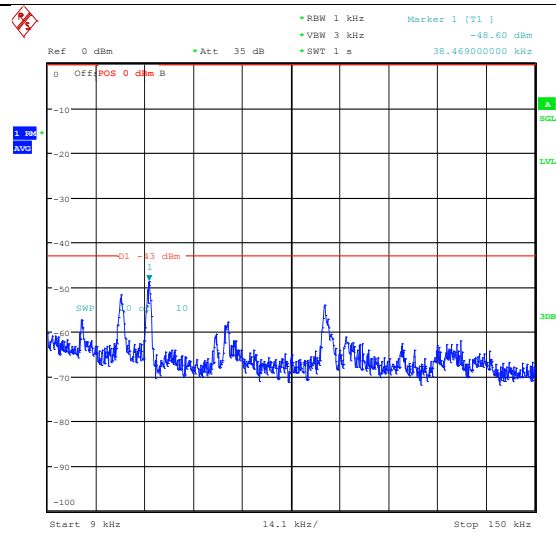
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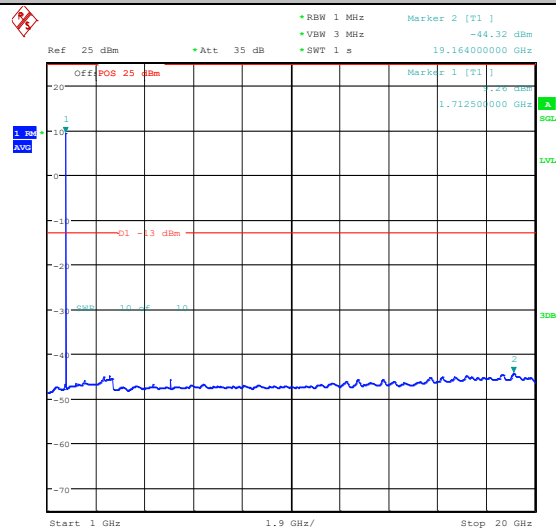
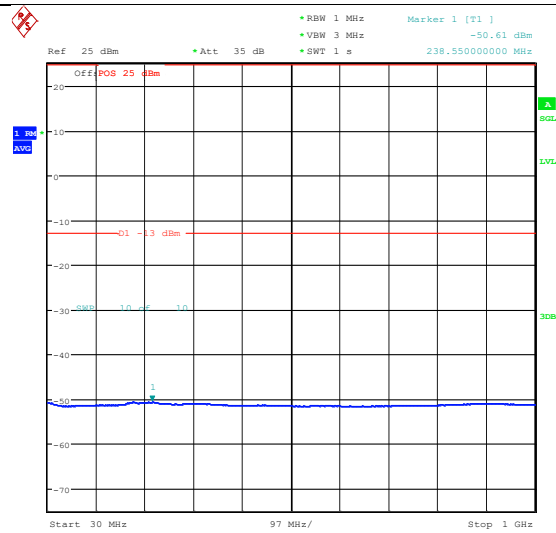
Band4-1312-2-30~1000MHz-PASS



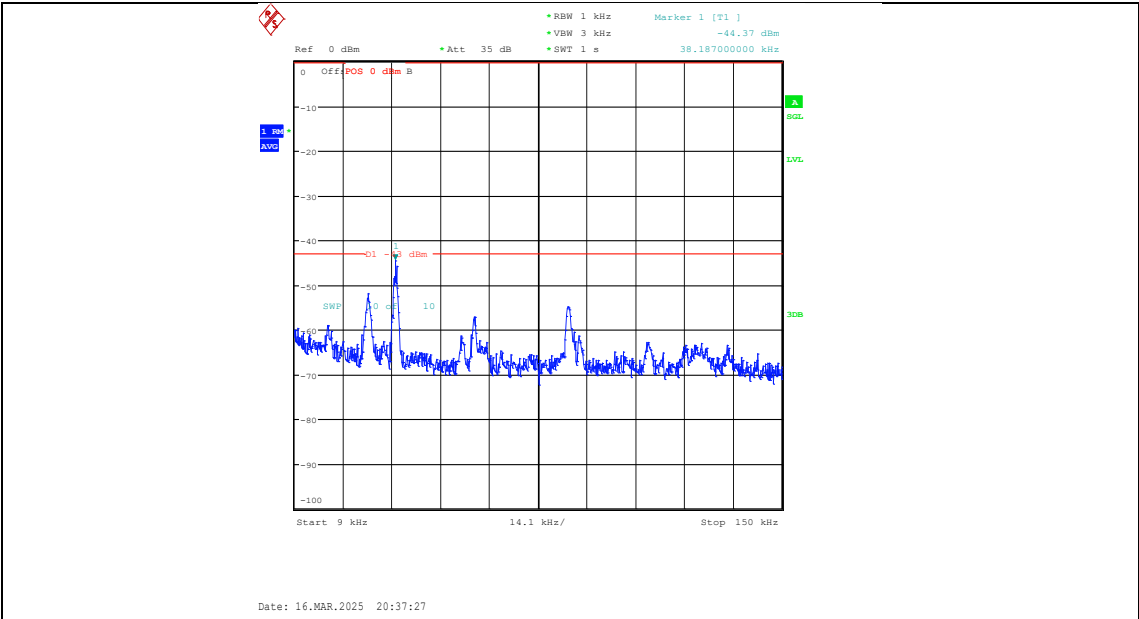
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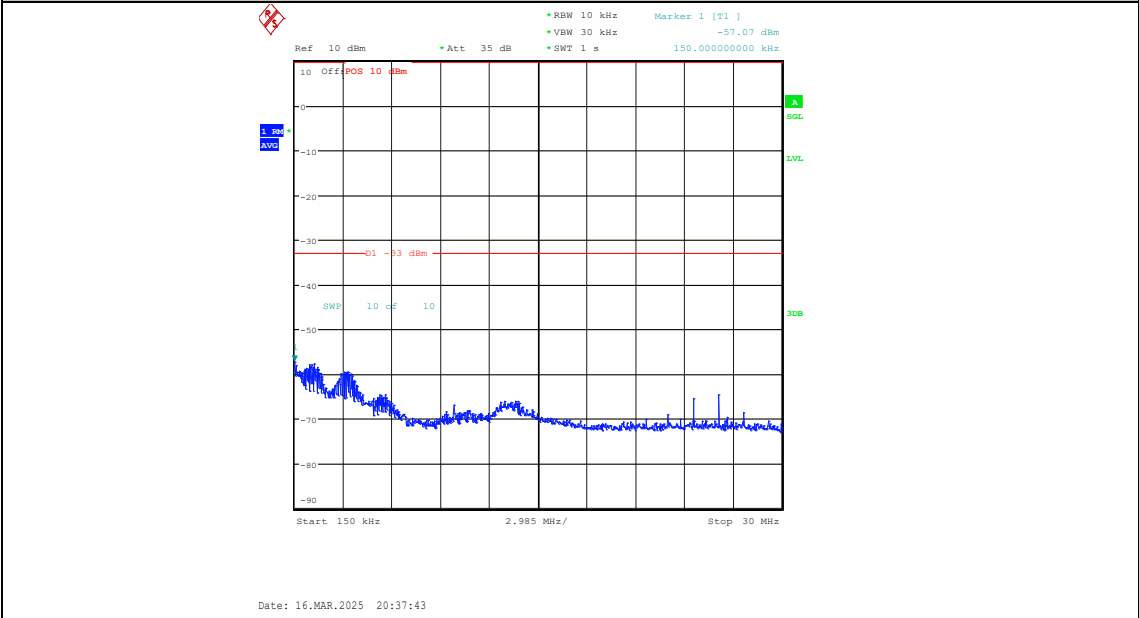
Band4-1312-3-0.15~30MHz-PASS



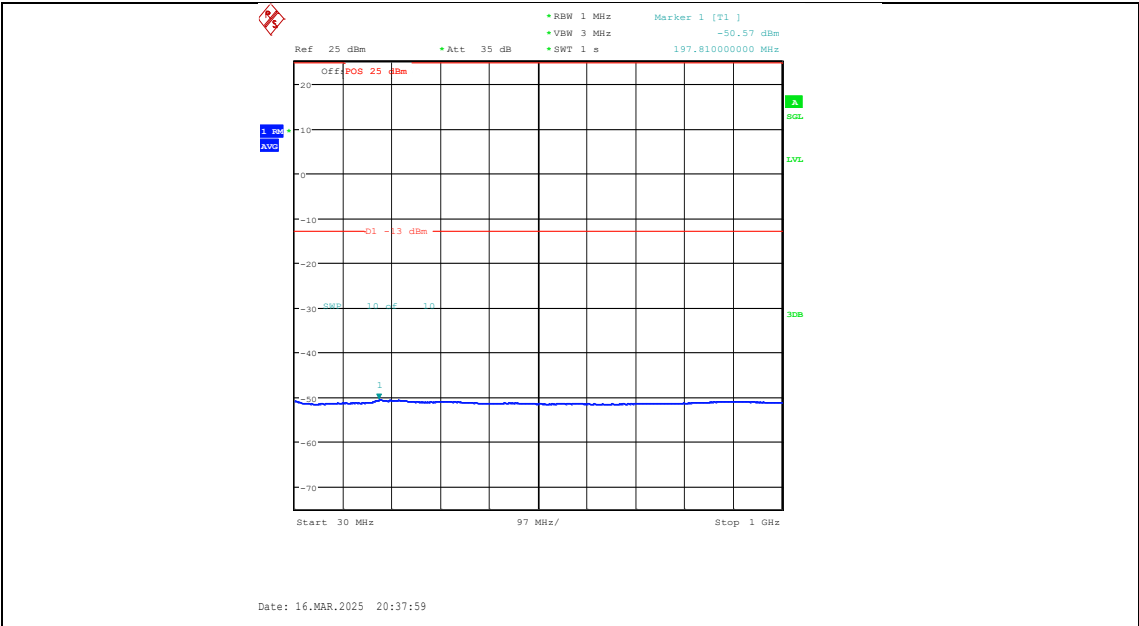
Band4-1312-3-1000~20000MHz-PASS



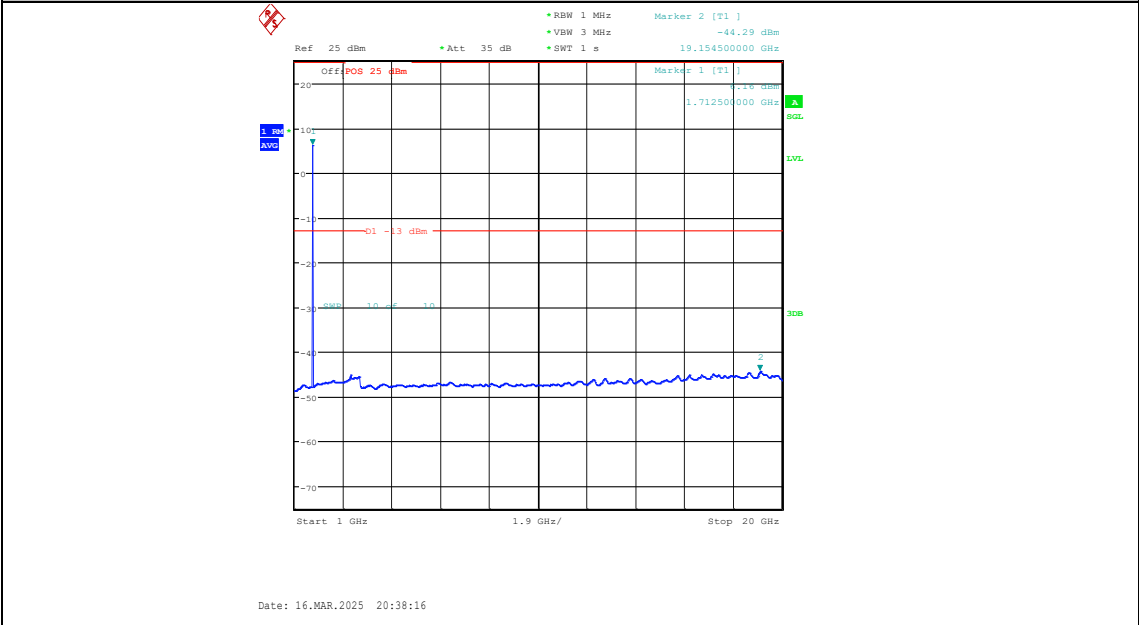
Band4-1312-4-0.009~0.15MHz-PASS



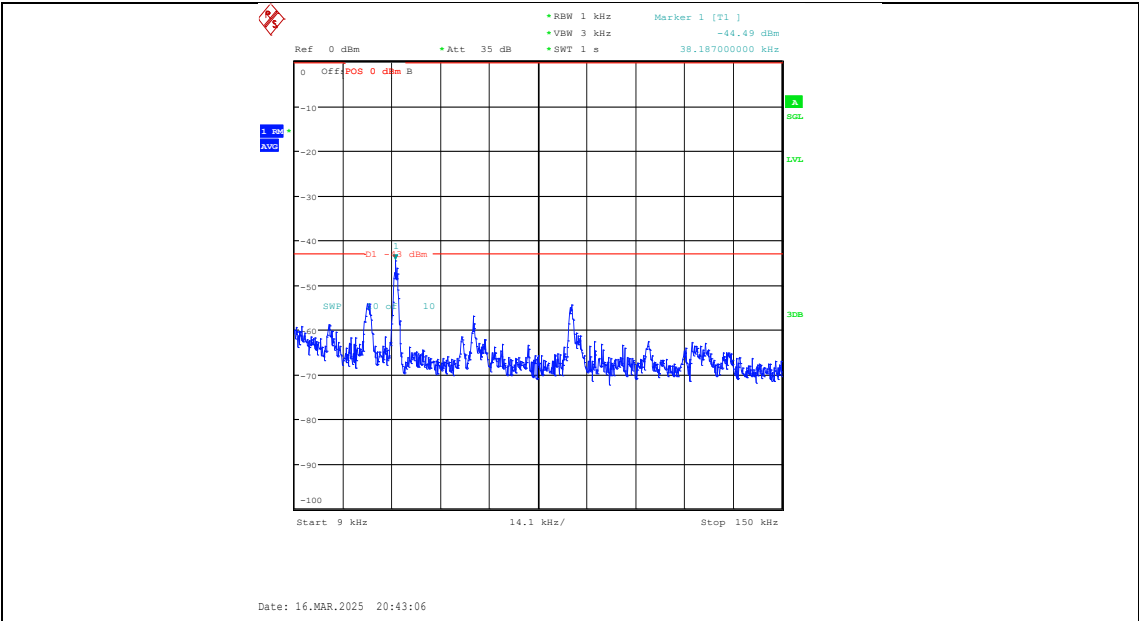
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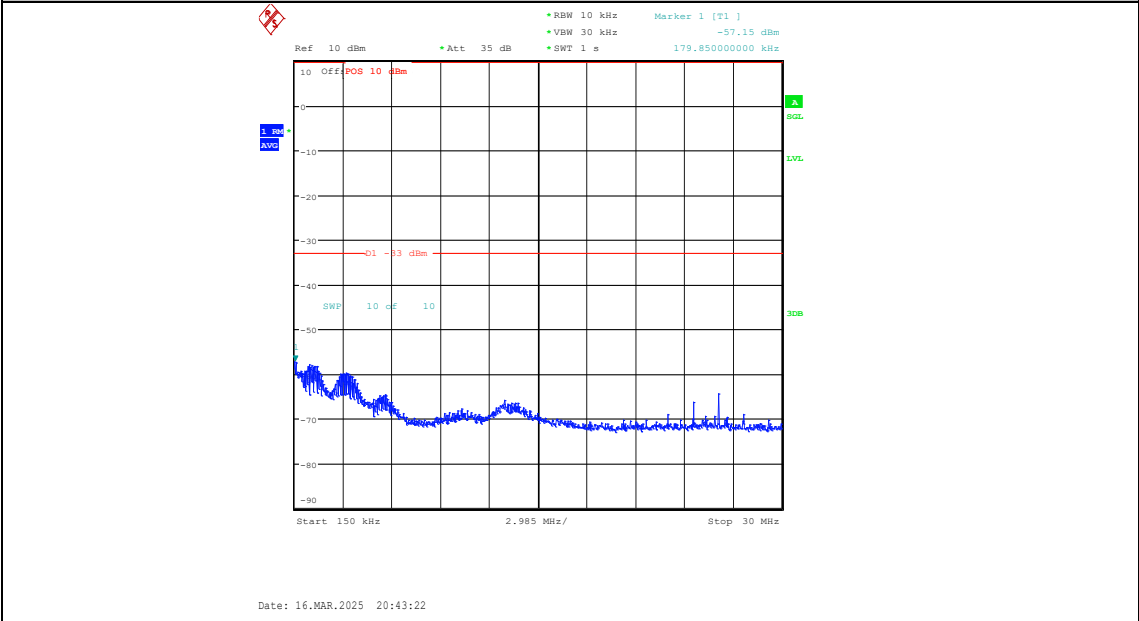
Band4-1312-4-30~1000MHz-PASS



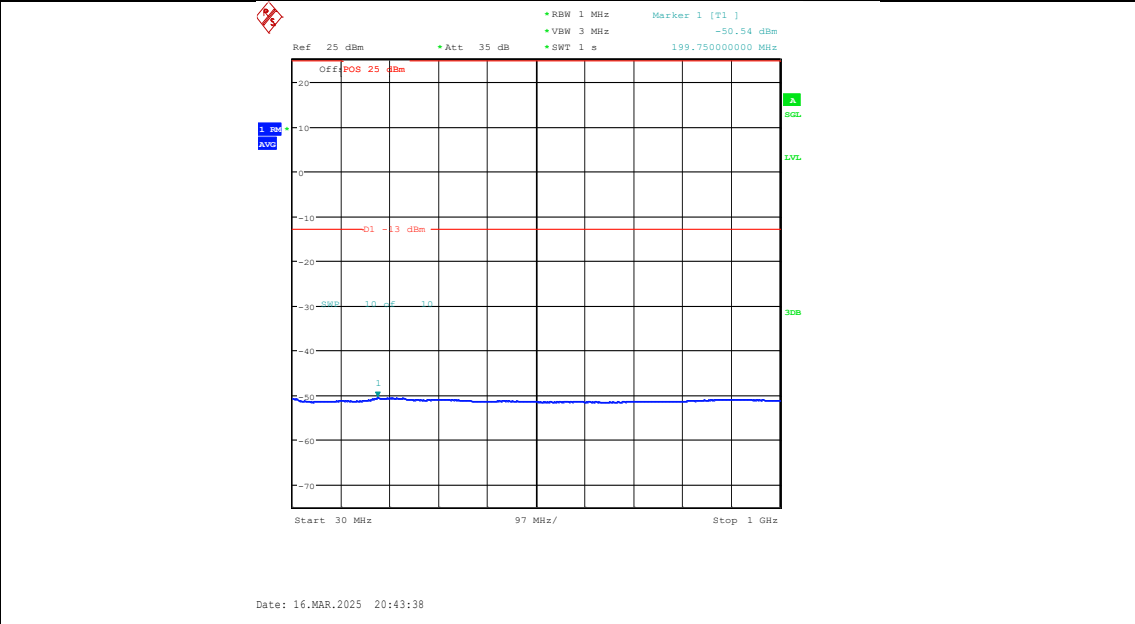
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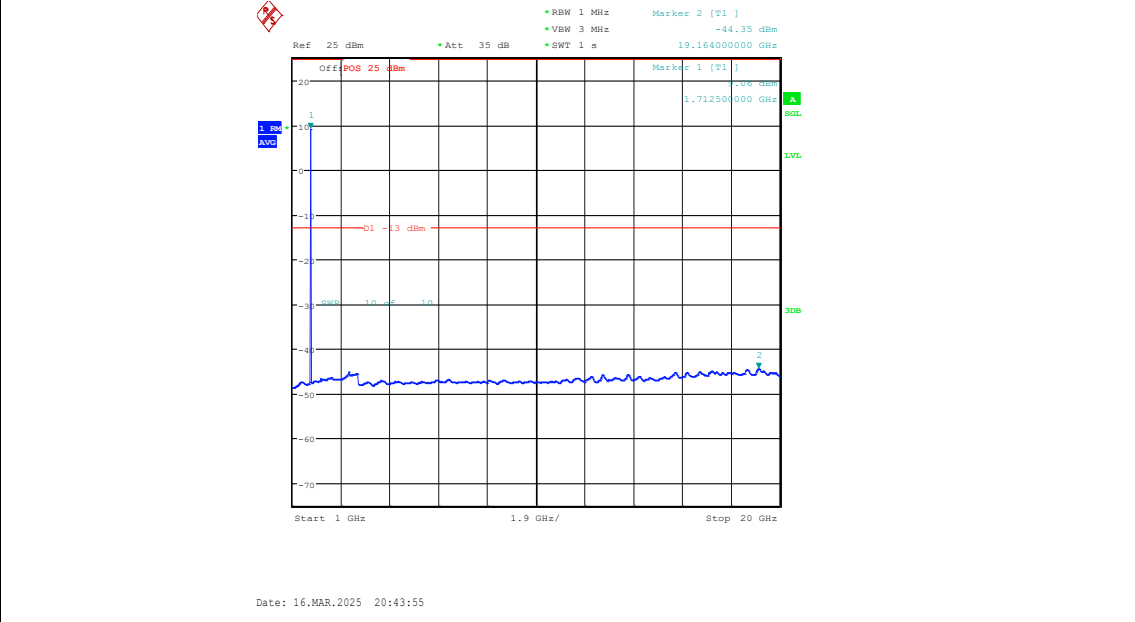
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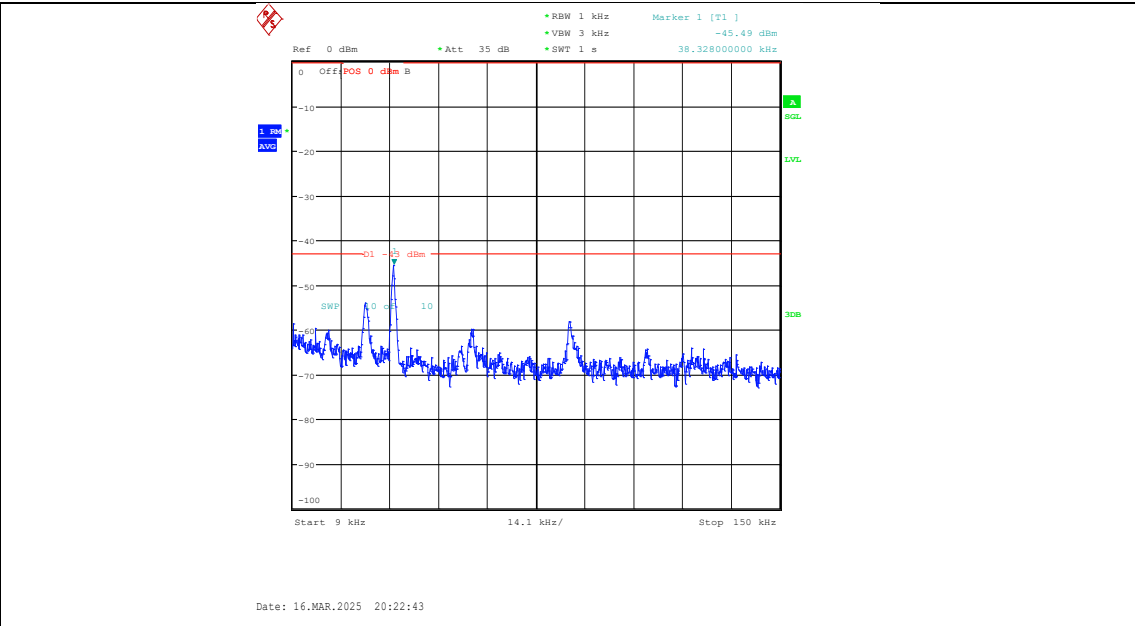
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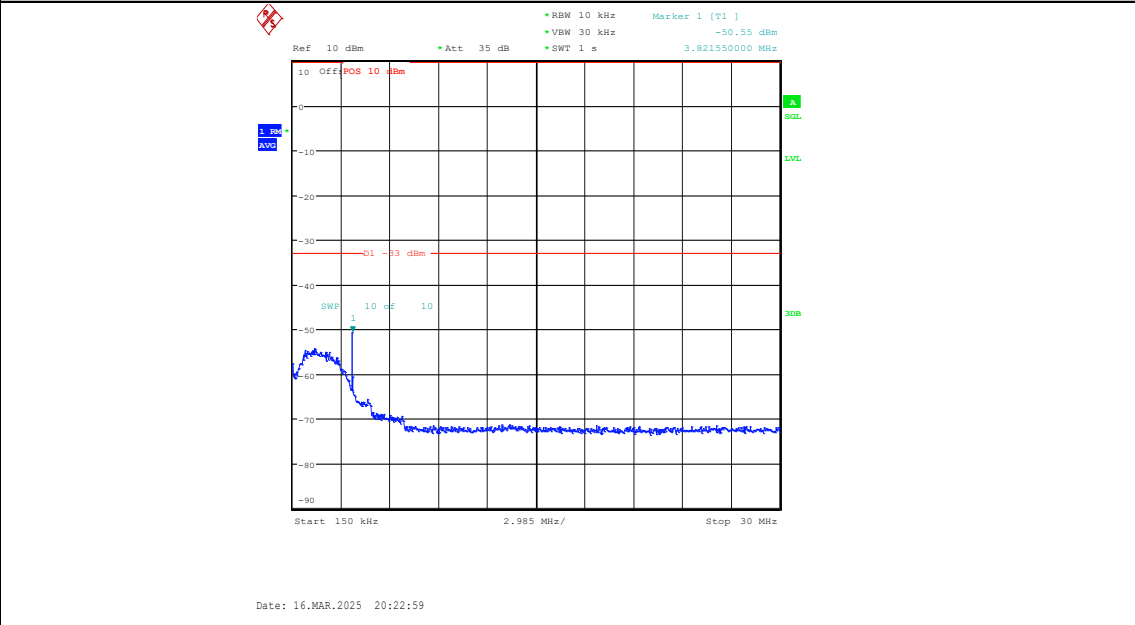
Band4-1312-5-30~1000MHz-PASS



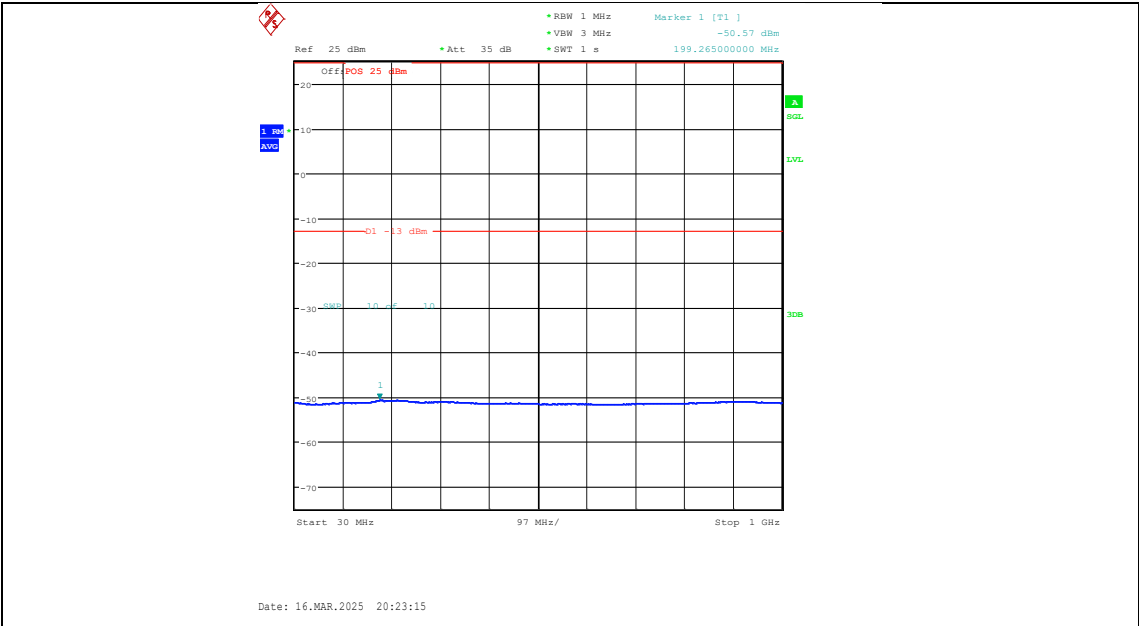
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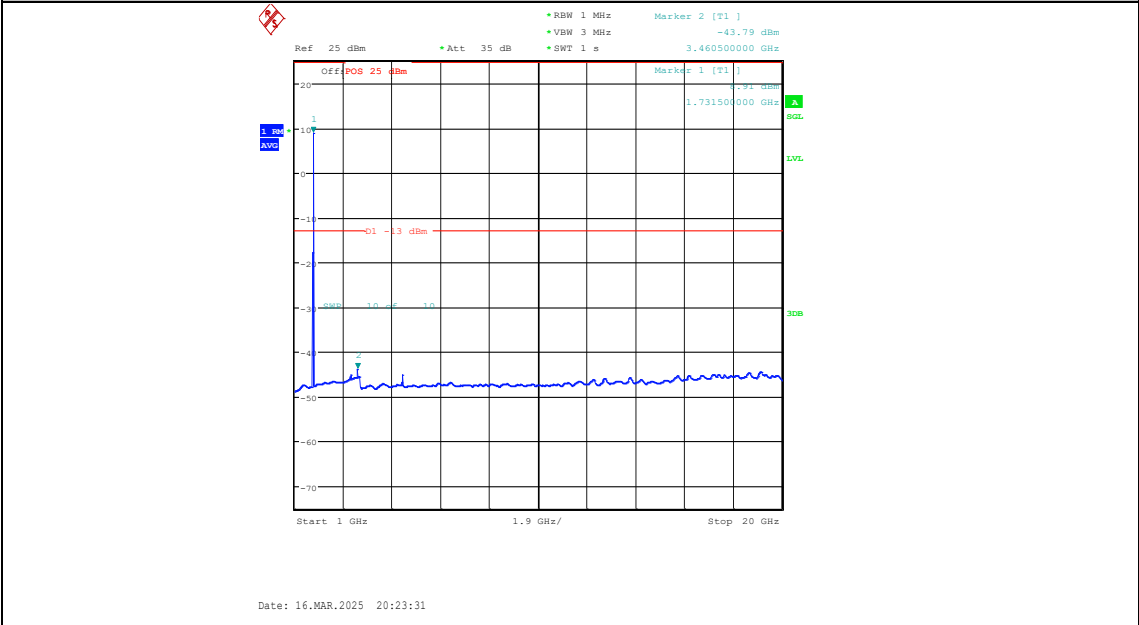
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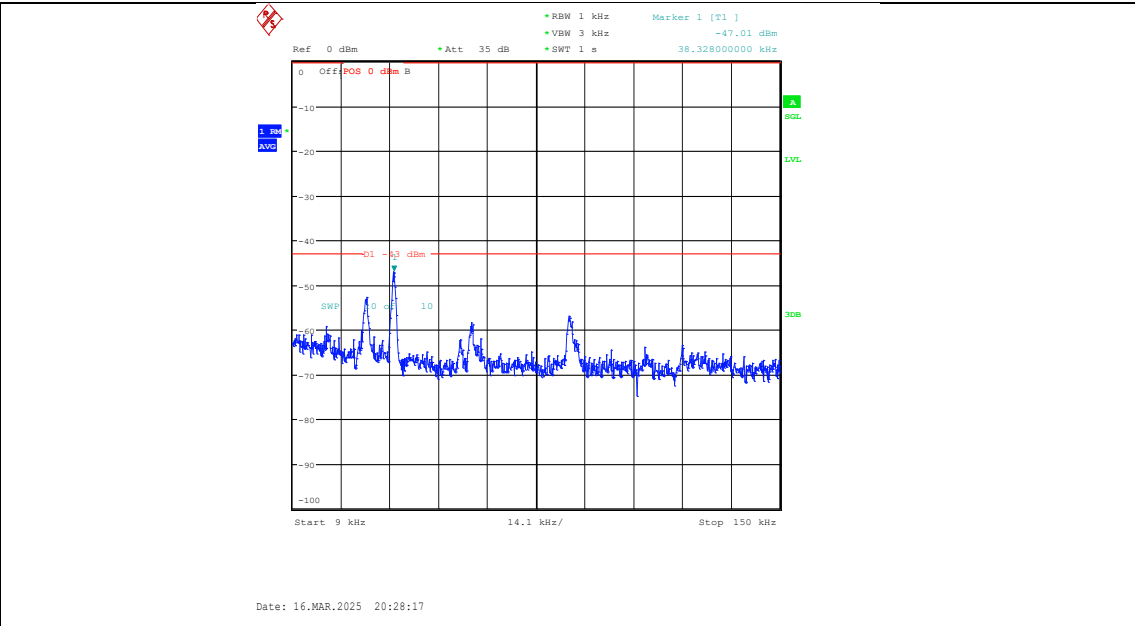
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Band4-1413-1-30~1000MHz-PASS

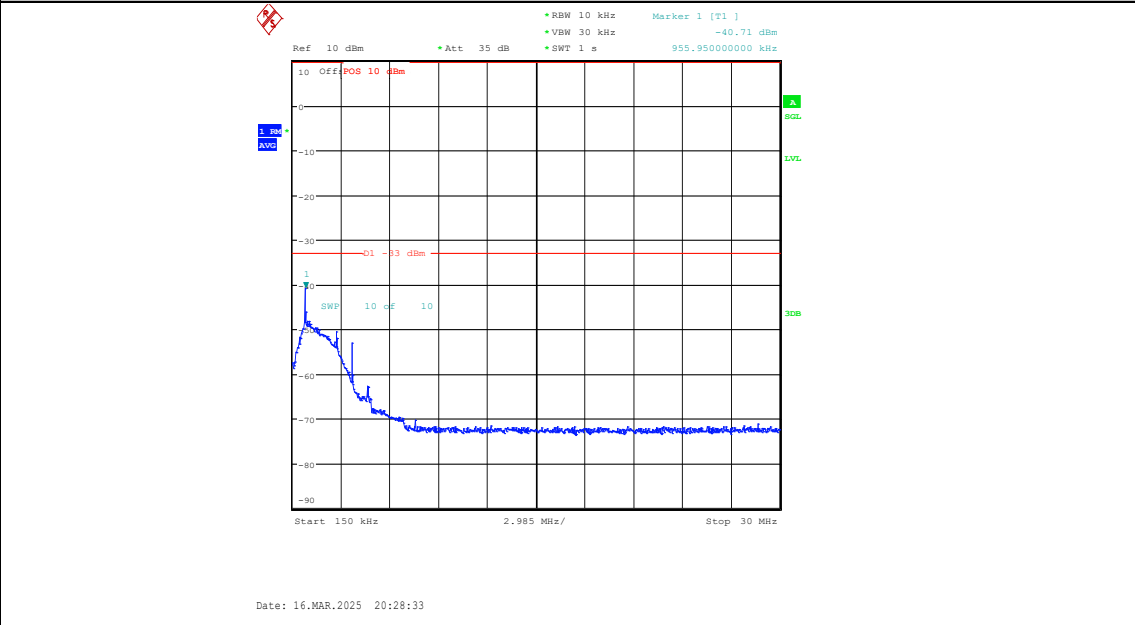


Band4-1413-1-1000~20000MHz-PASS



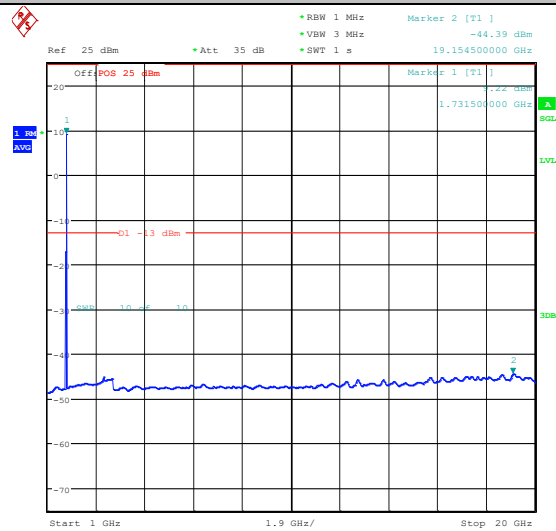
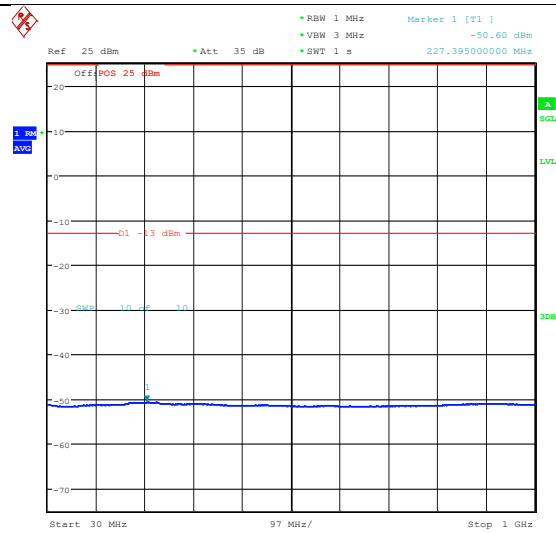
Date: 16.MAR.2025 20:28:17

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

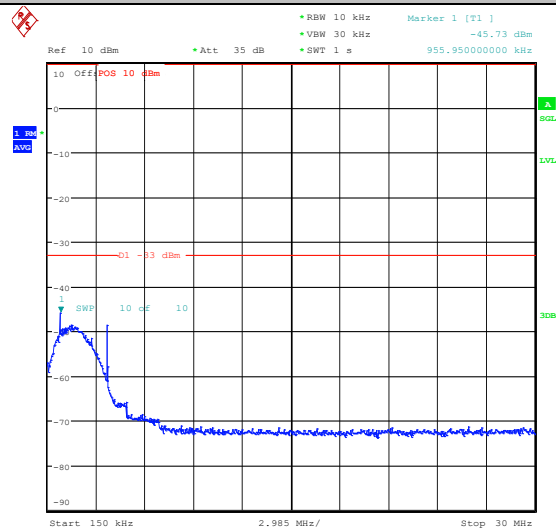
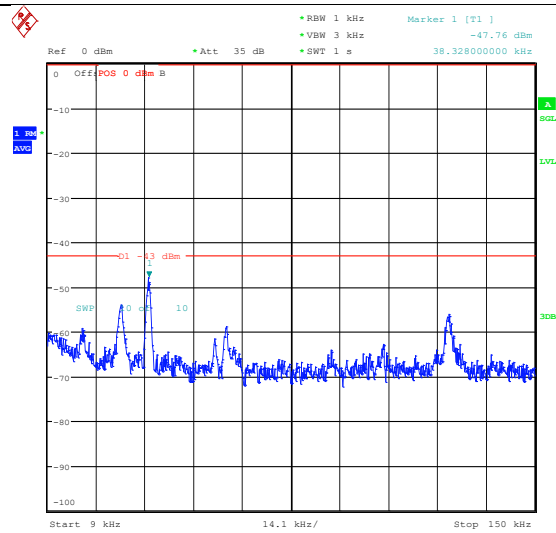


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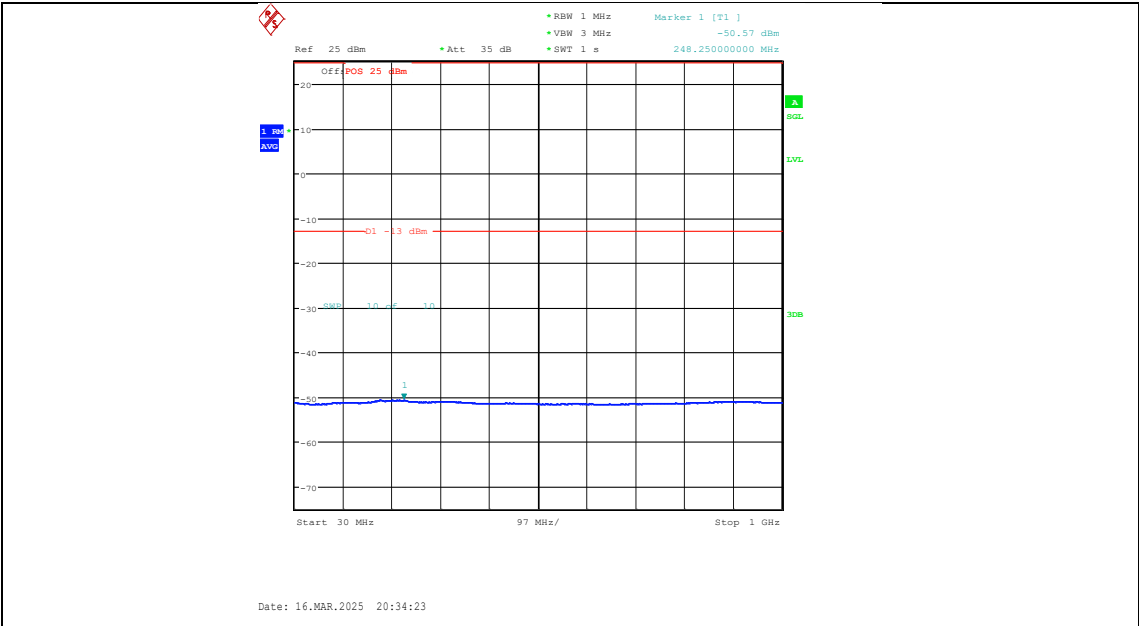
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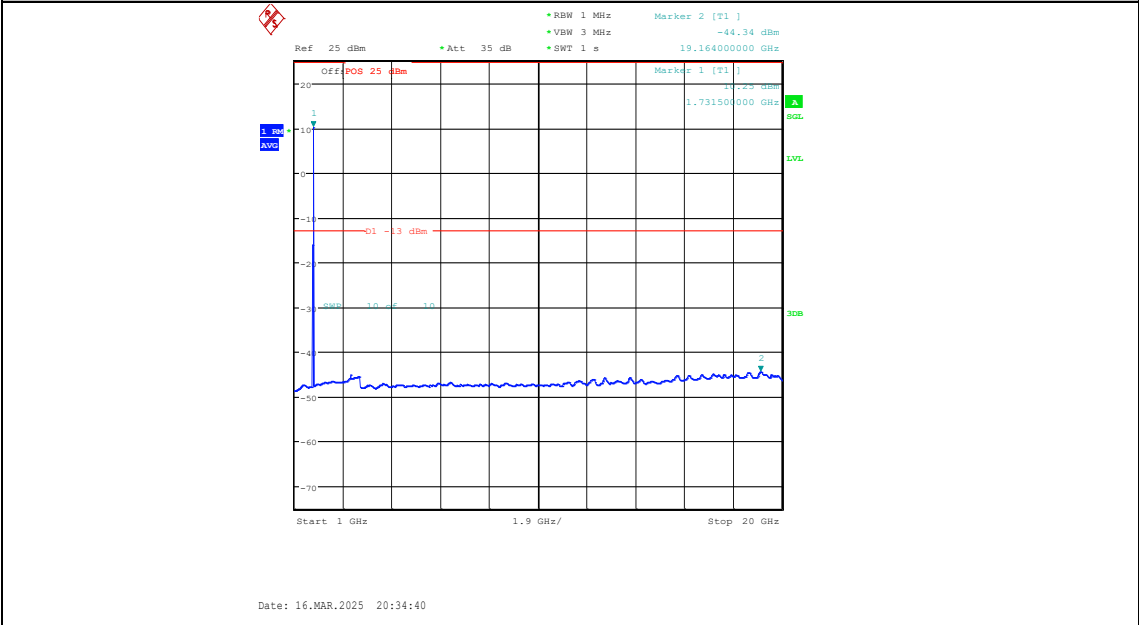
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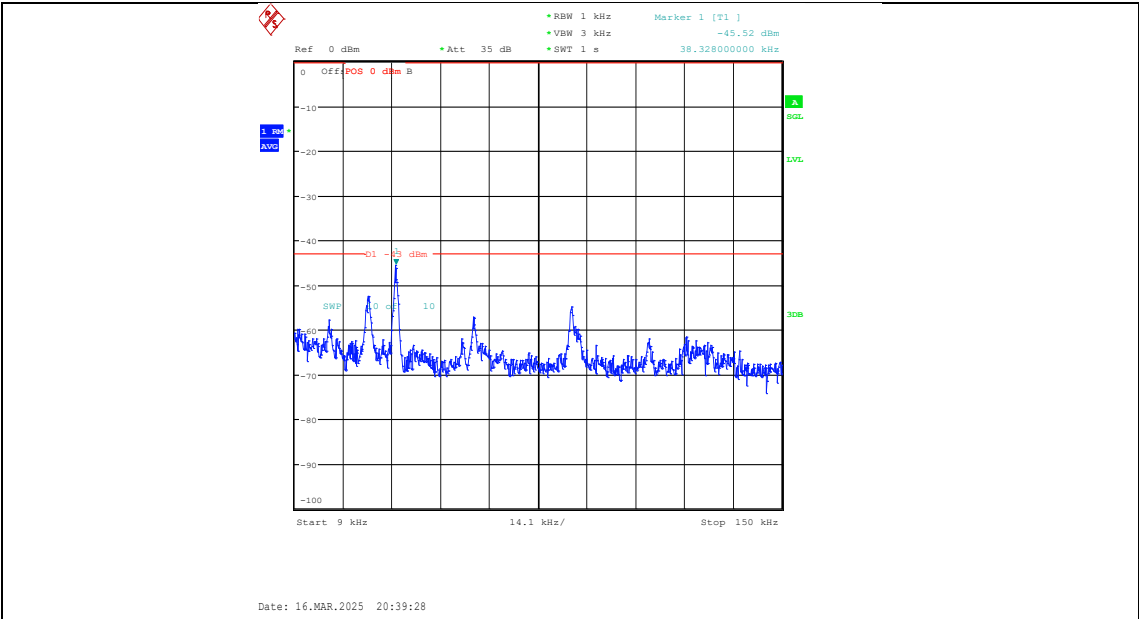
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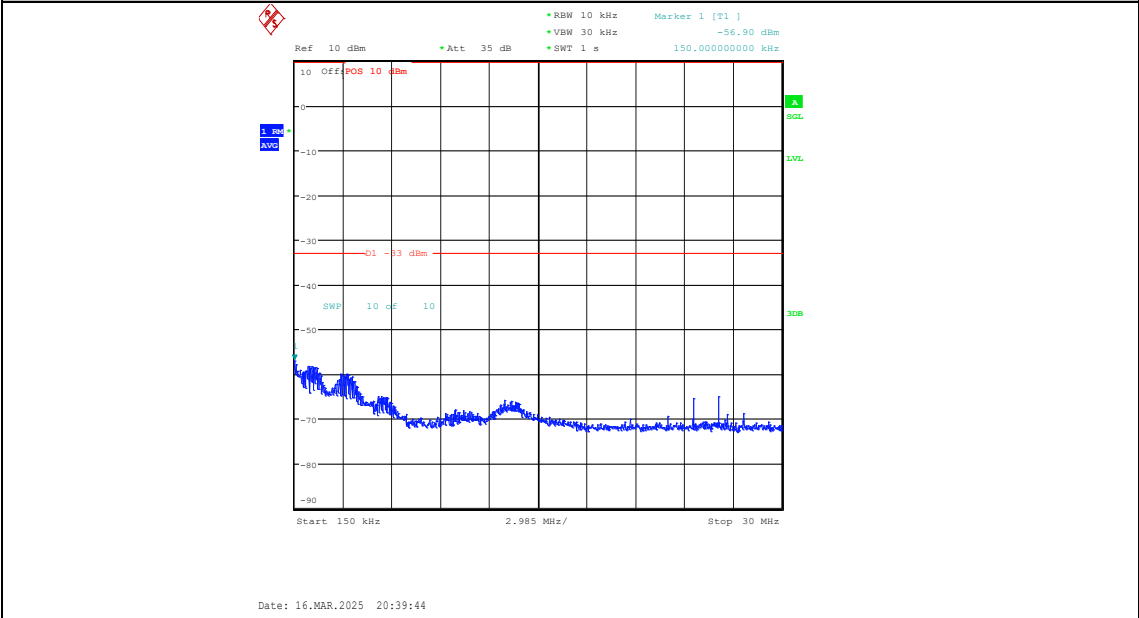
Band4-1413-3-30~1000MHz-PASS



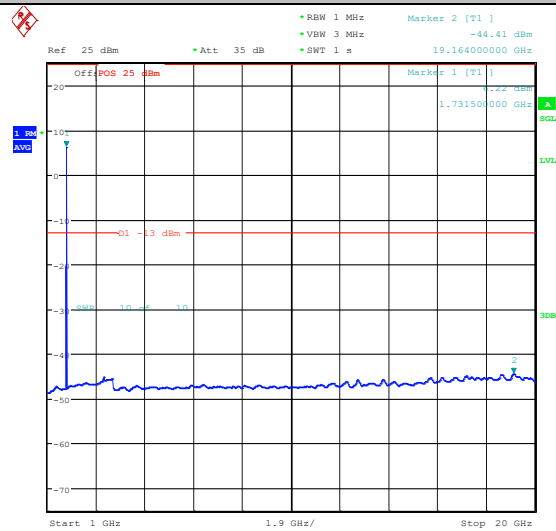
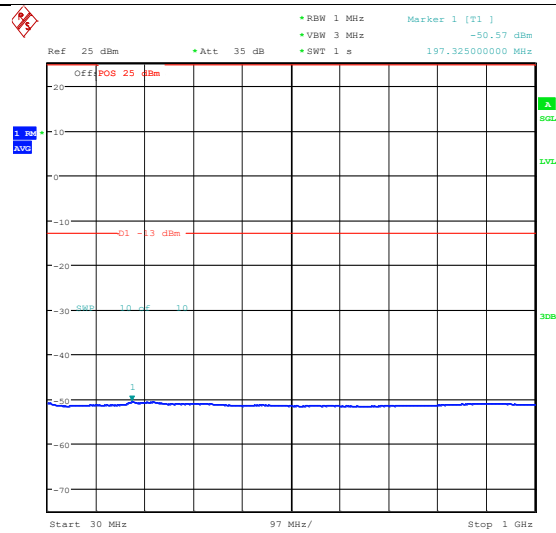
Band4-1413-3-1000~20000MHz-PASS



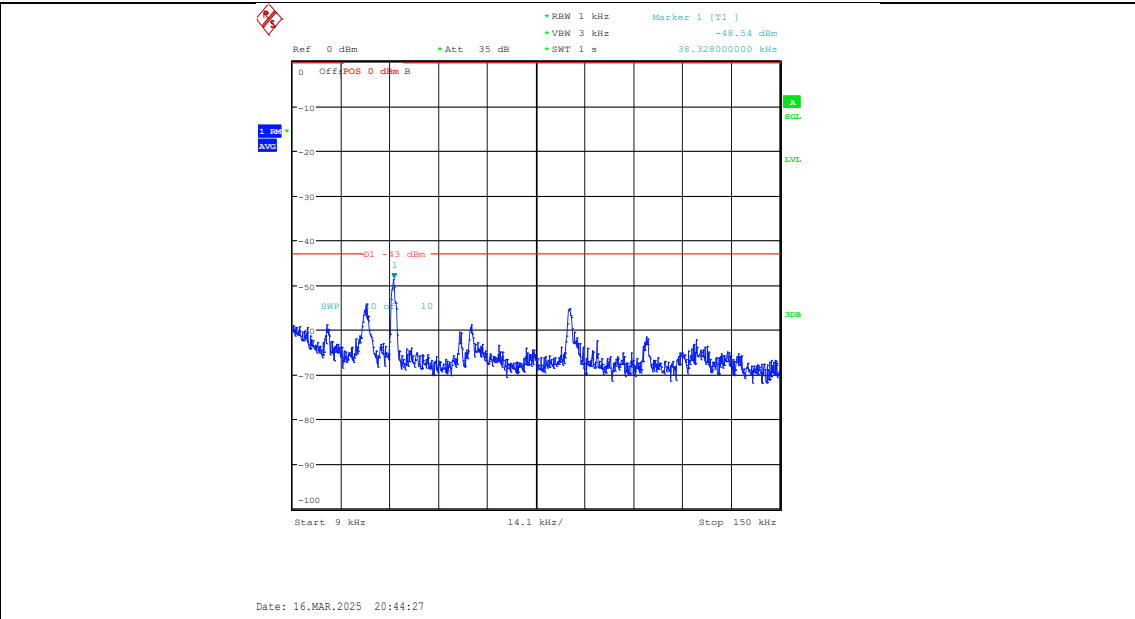
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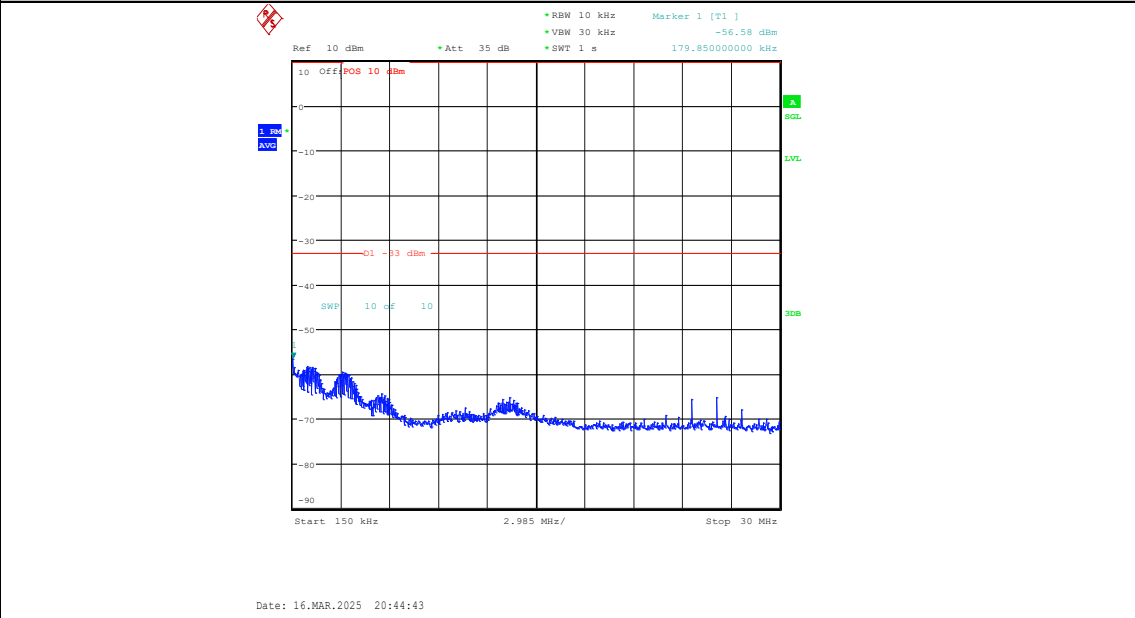
Band4-1413-4-0.15~30MHz-PASS



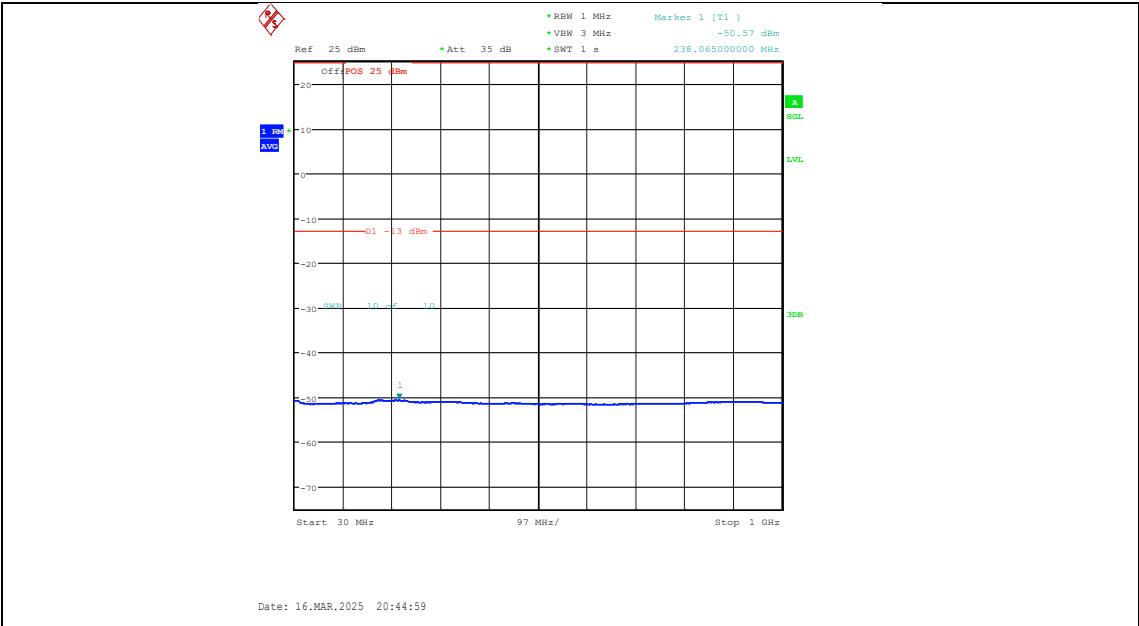
Band4-1413-4-1000~20000MHz-PASS



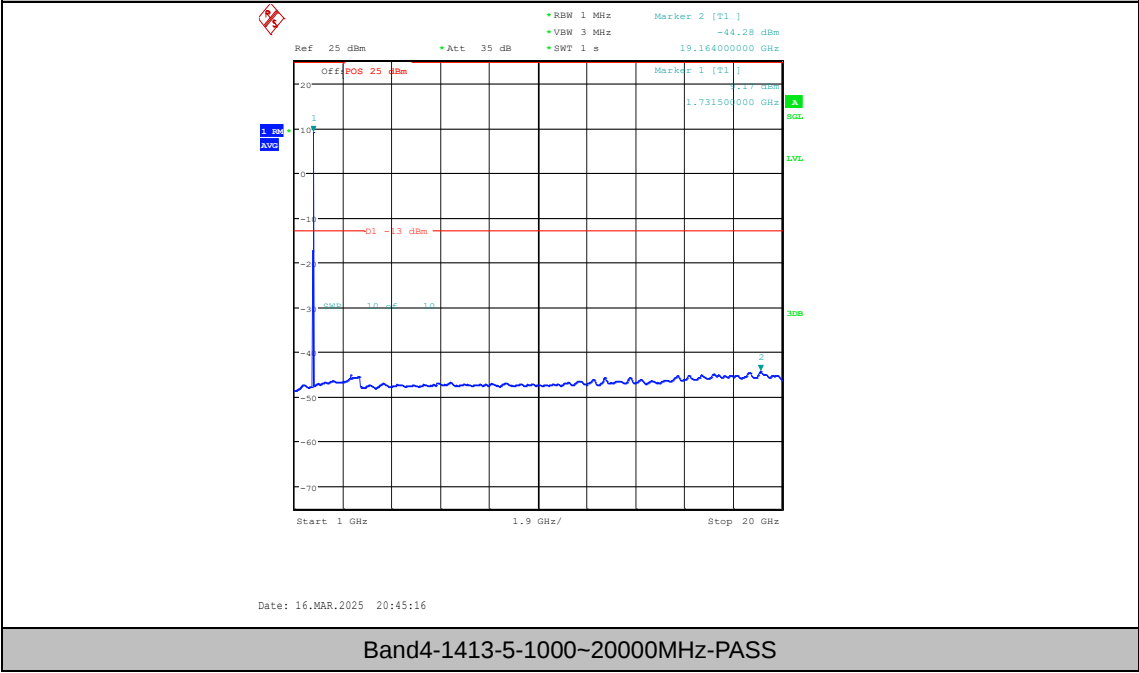
Band4-1413-5-0.009~0.15MHz-PASS



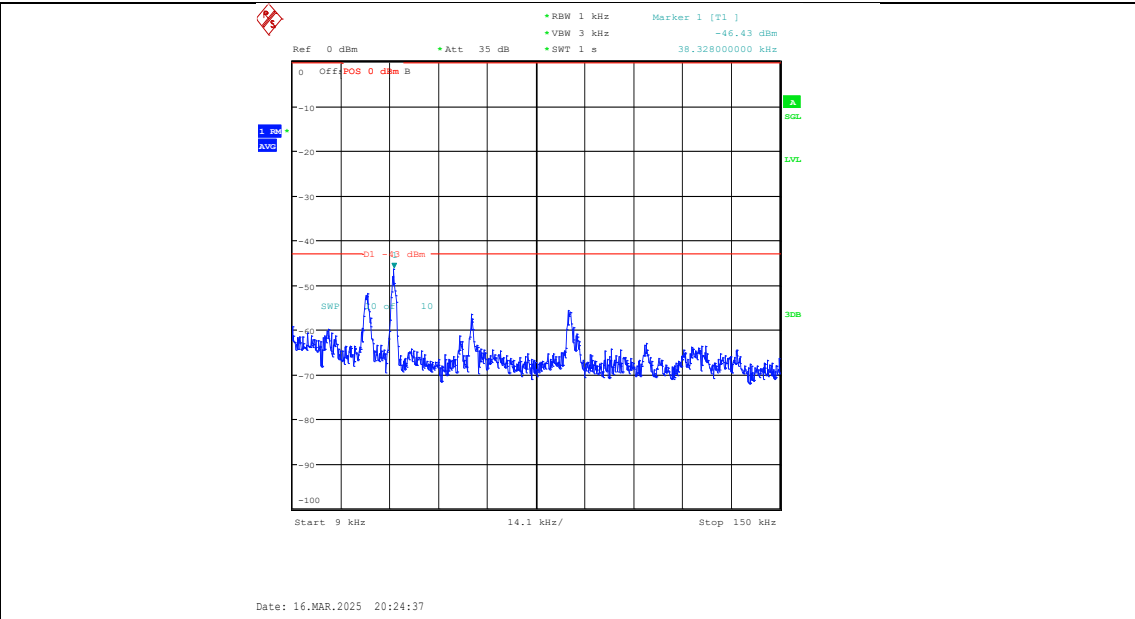
Band4-1413-5-0.15~30MHz-PASS



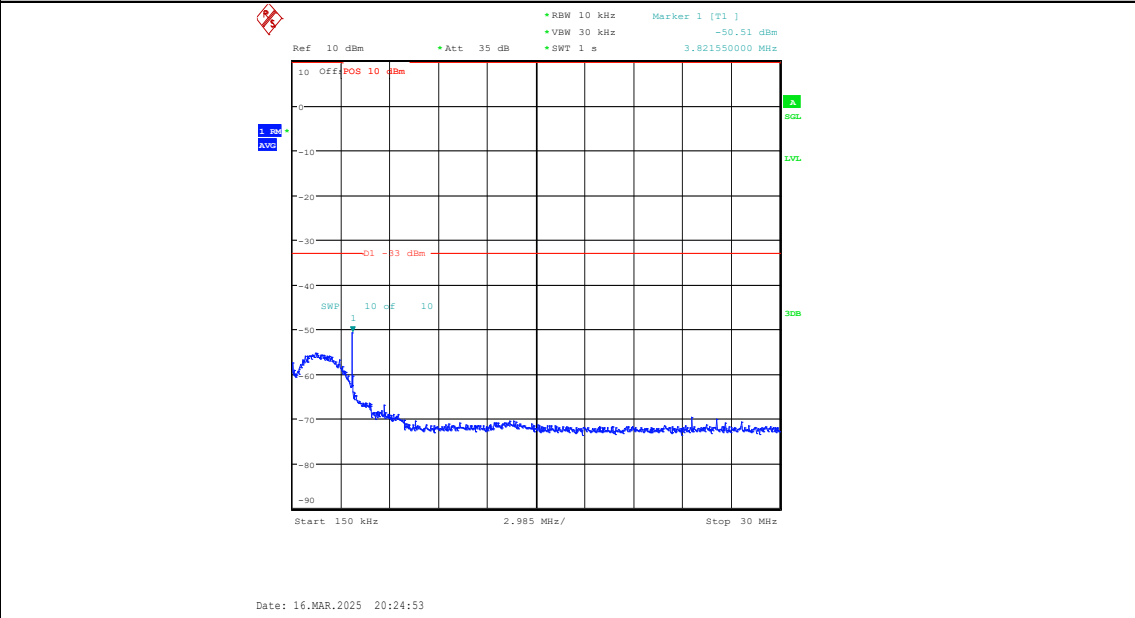
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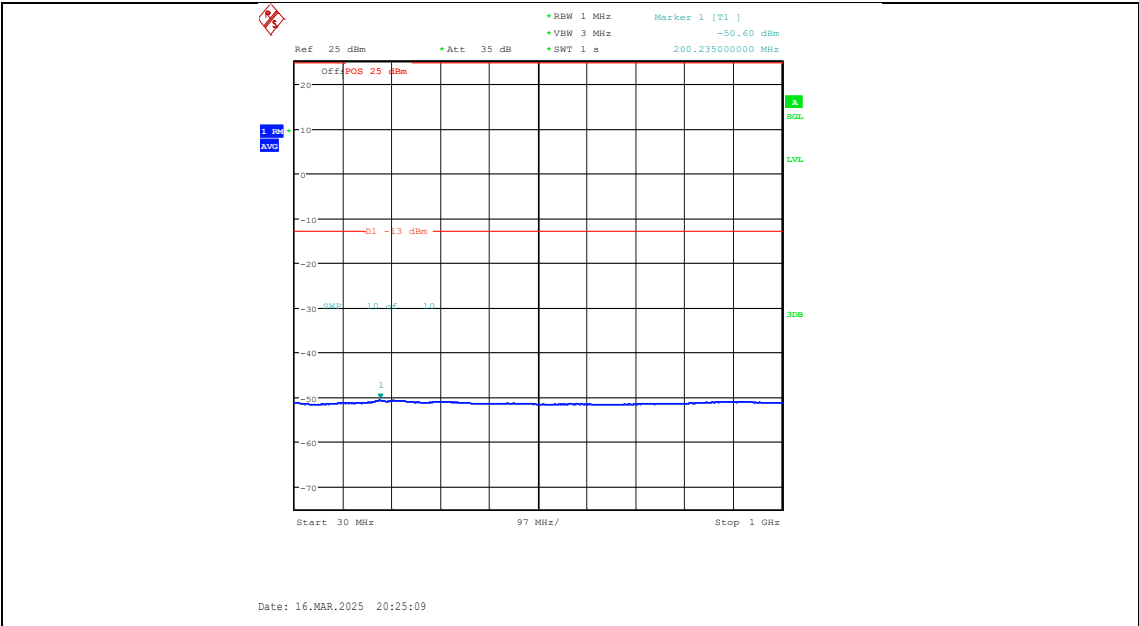
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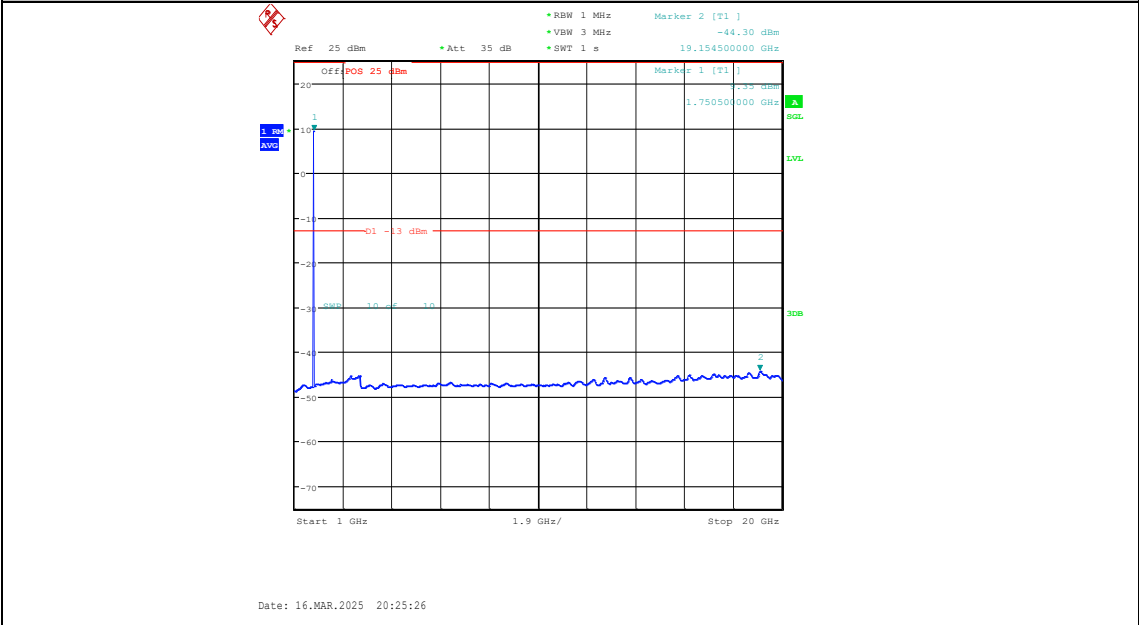
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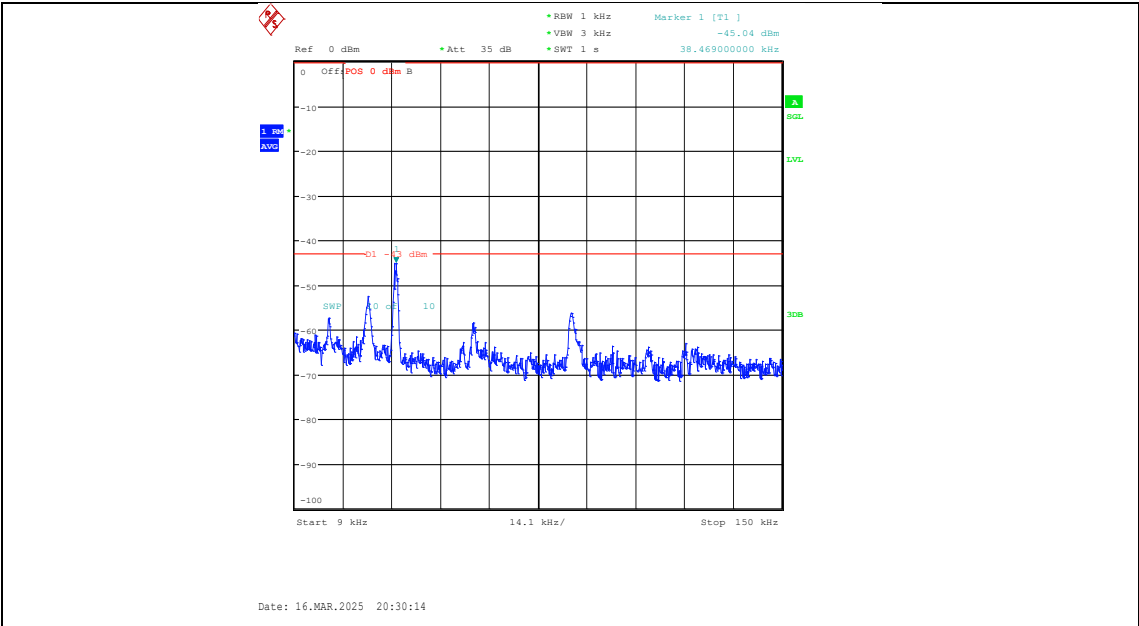
Band4-1513-1-0.15~30MHz-PASS



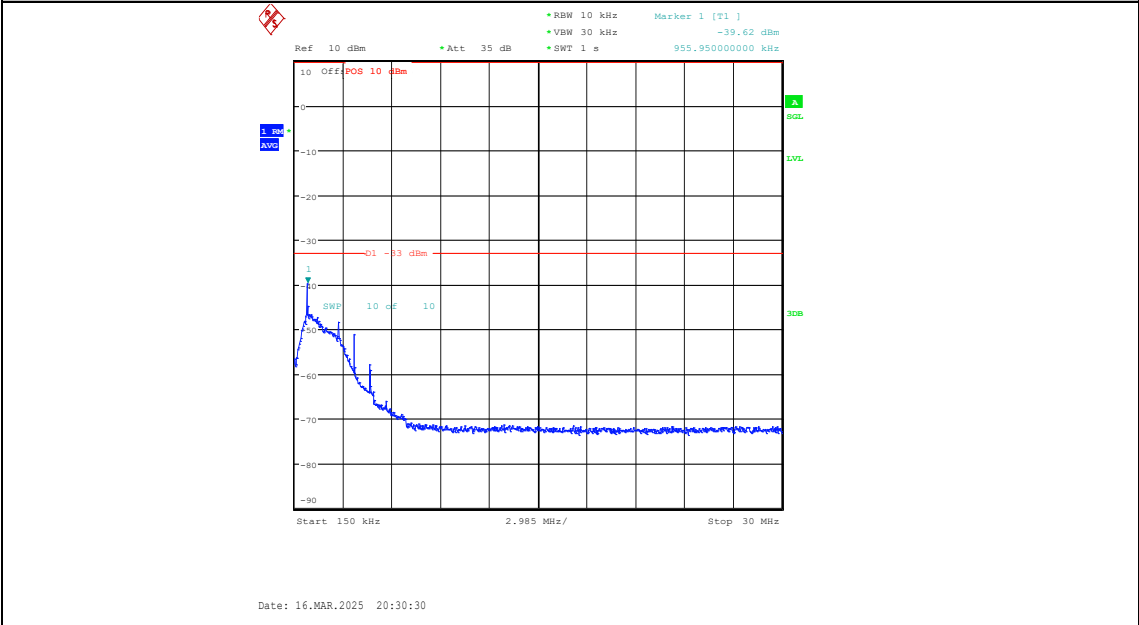
Band4-1513-1-30~1000MHz-PASS



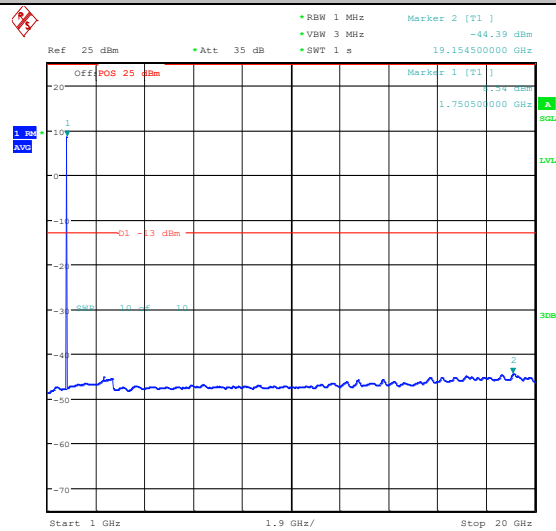
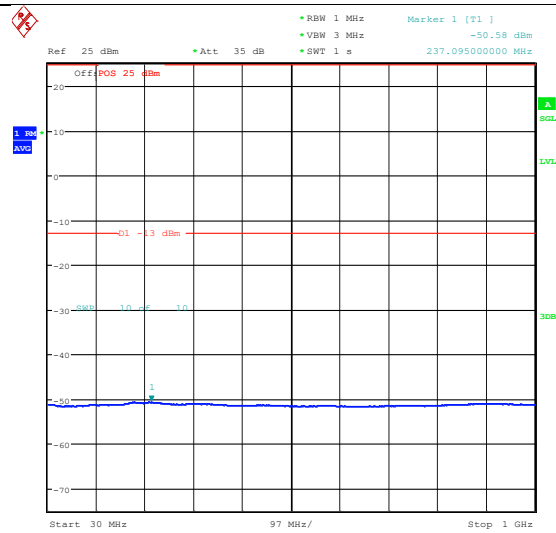
Band4-1513-1-1000~20000MHz-PASS



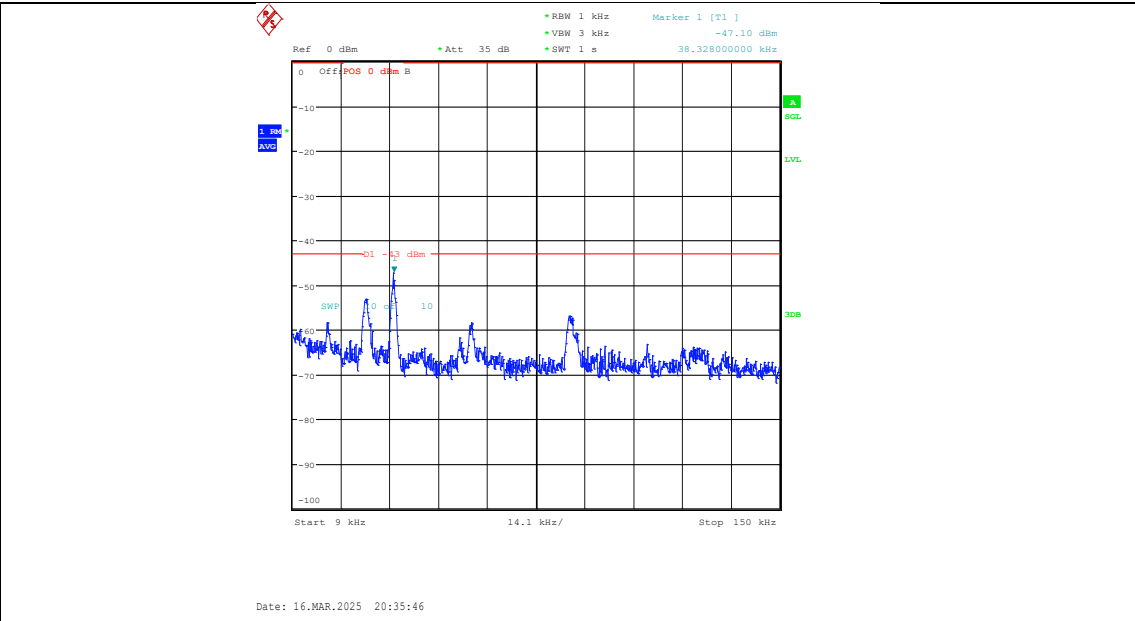
Band4-1513-2-0.009~0.15MHz-PASS



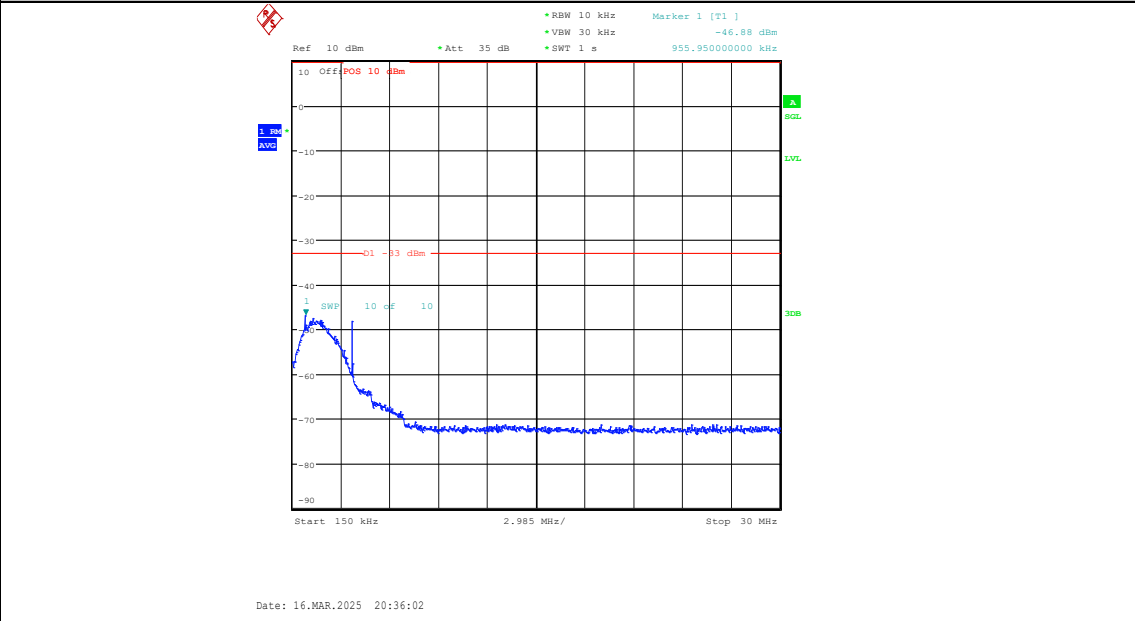
Band4-1513-2-0.15~30MHz-PASS



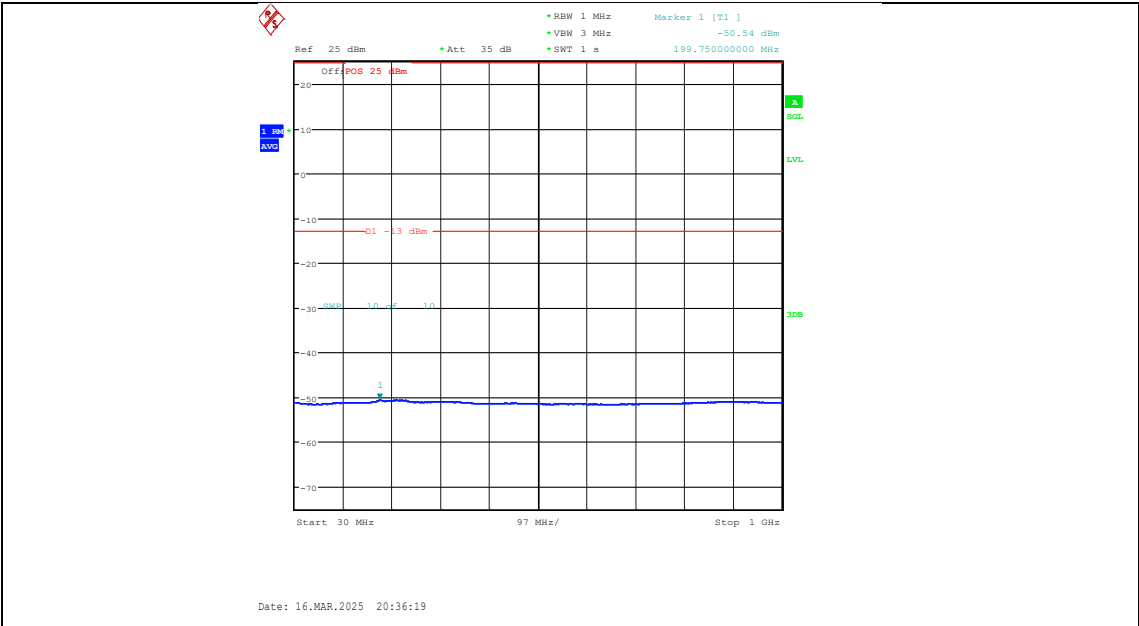
Band4-1513-2-1000~20000MHz-PASS



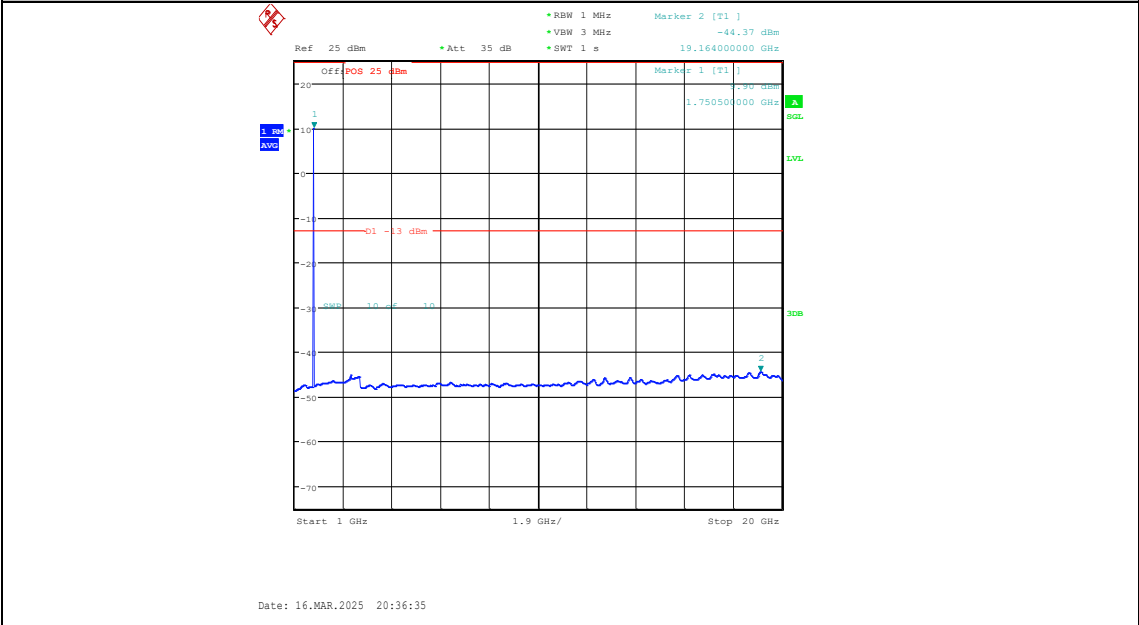
Band4-1513-3-0.009~0.15MHz-PASS



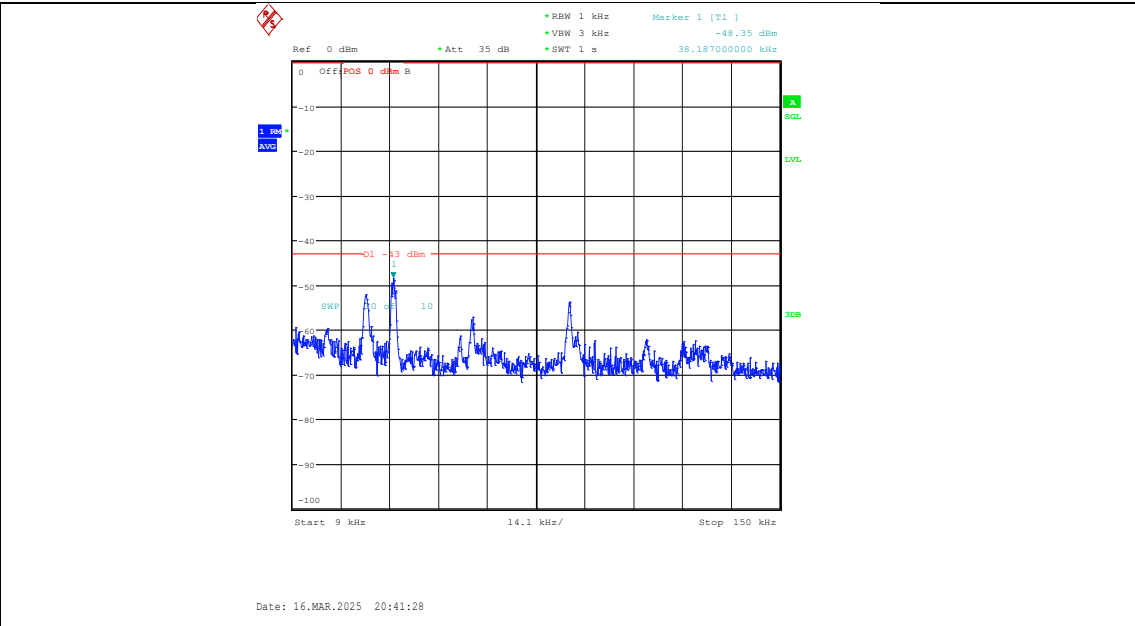
Band4-1513-3-0.15~30MHz-PASS



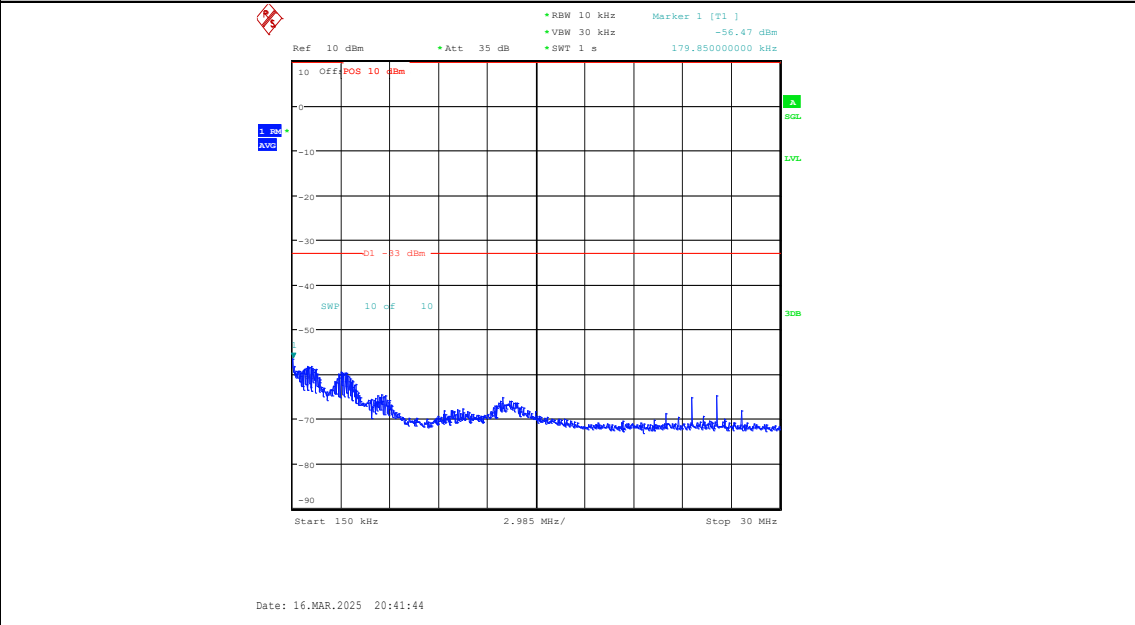
Band4-1513-3-30~1000MHz-PASS



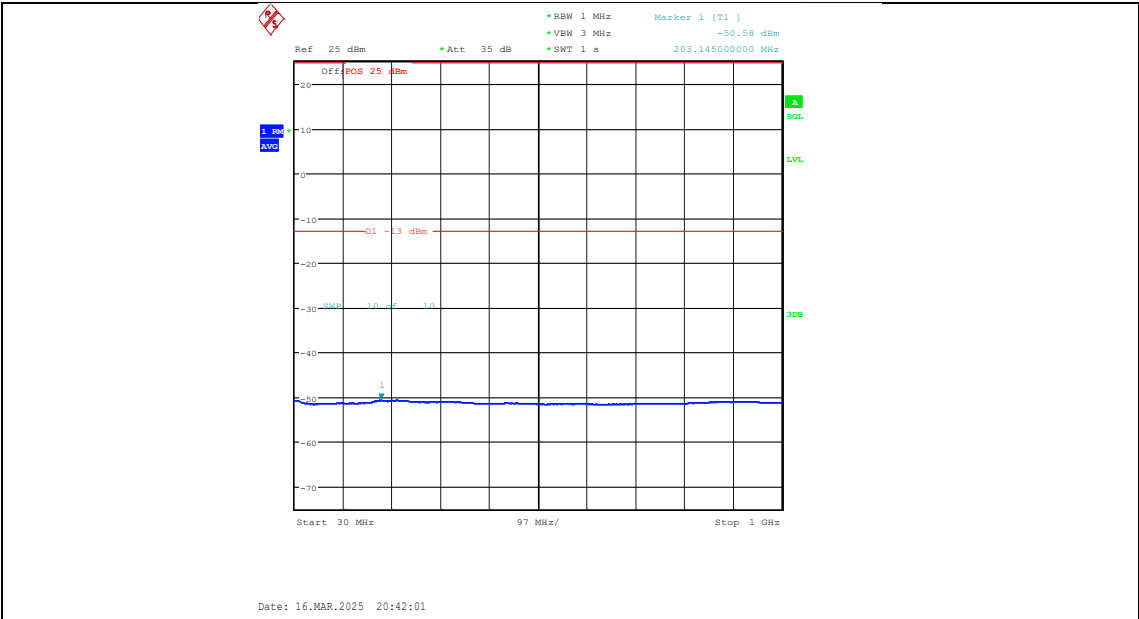
Band4-1513-3-1000~20000MHz-PASS



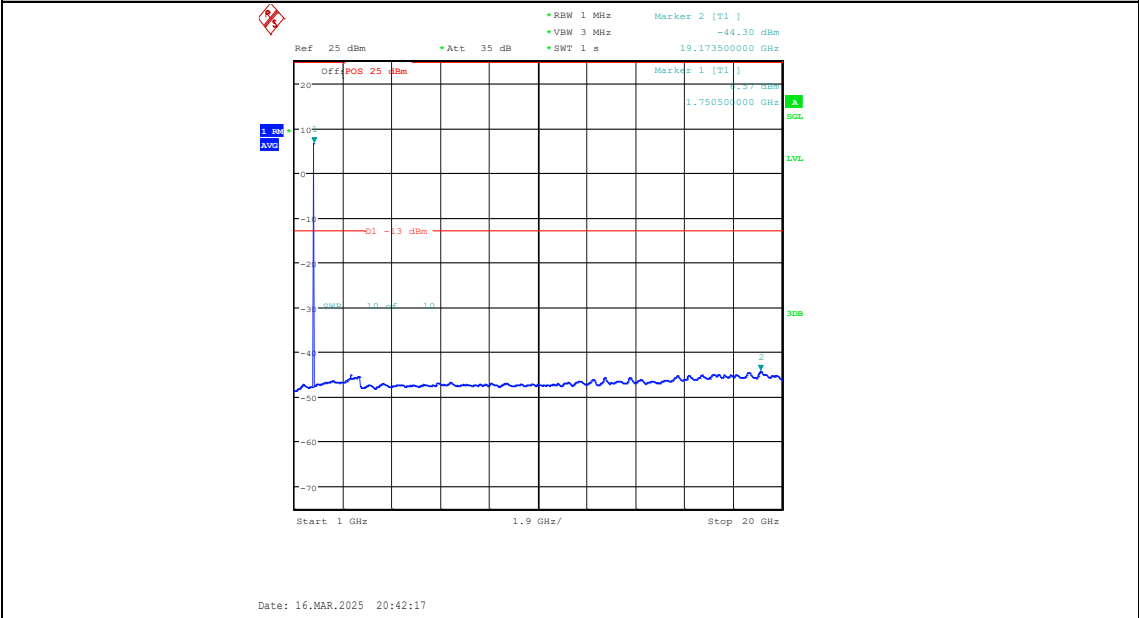
Band4-1513-4-0.009~0.15MHz-PASS



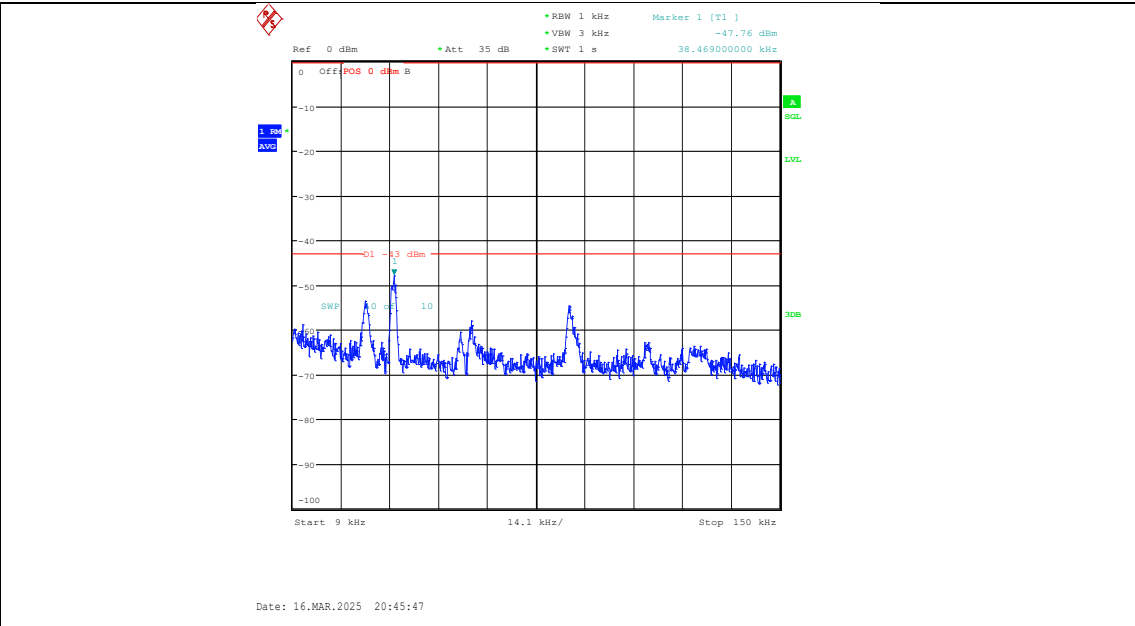
Band4-1513-4-0.15~30MHz-PASS



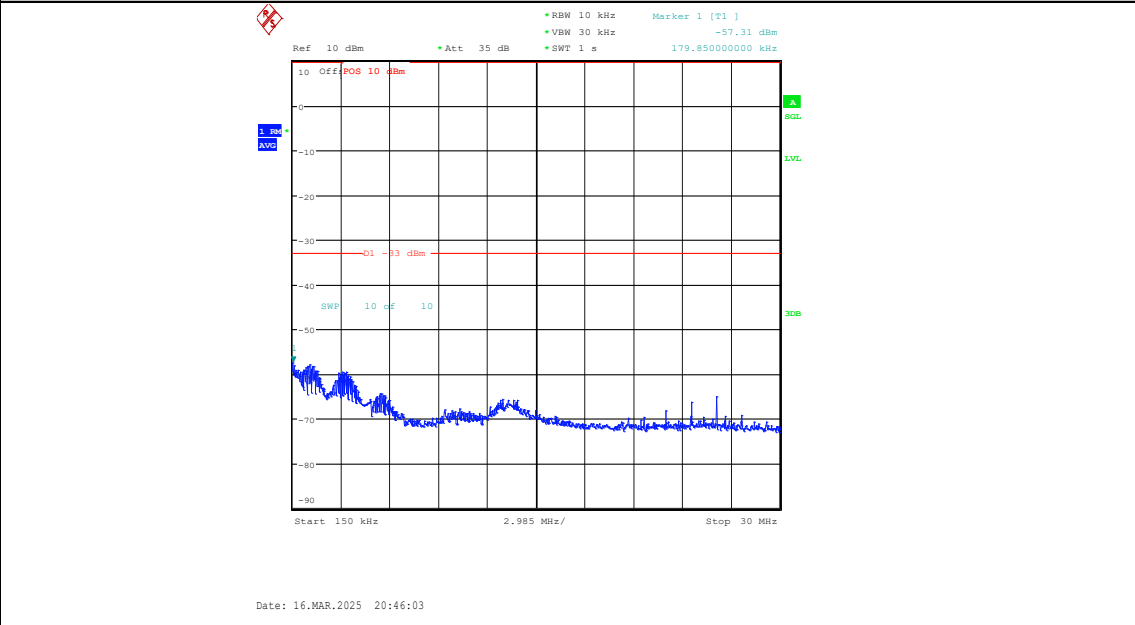
Band4-1513-4-30~1000MHz-PASS



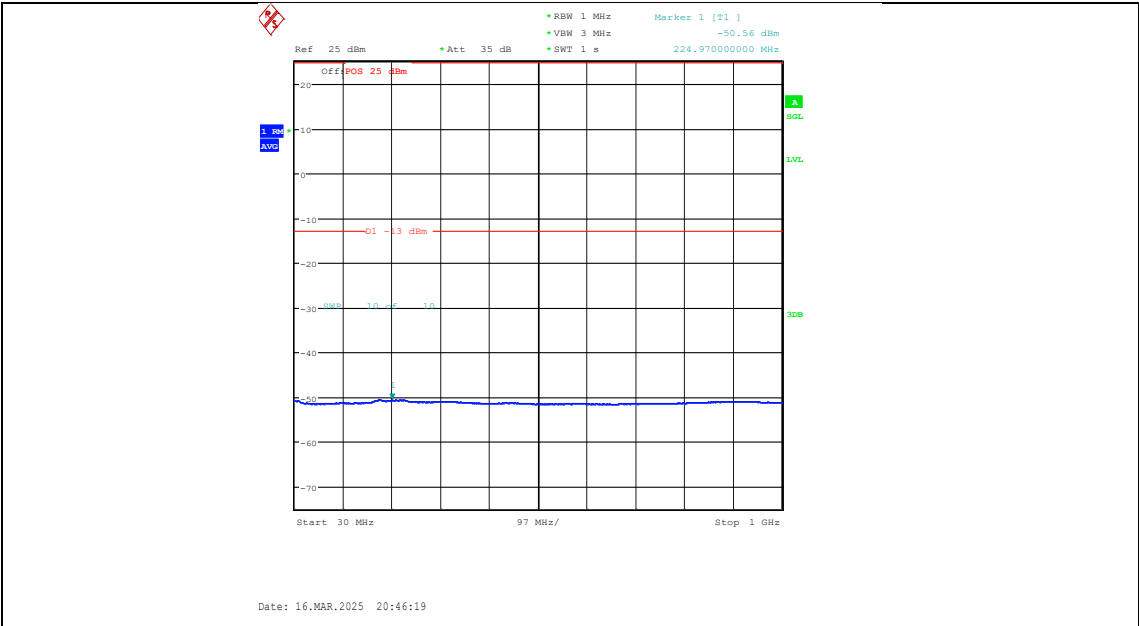
Band4-1513-4-1000~20000MHz-PASS



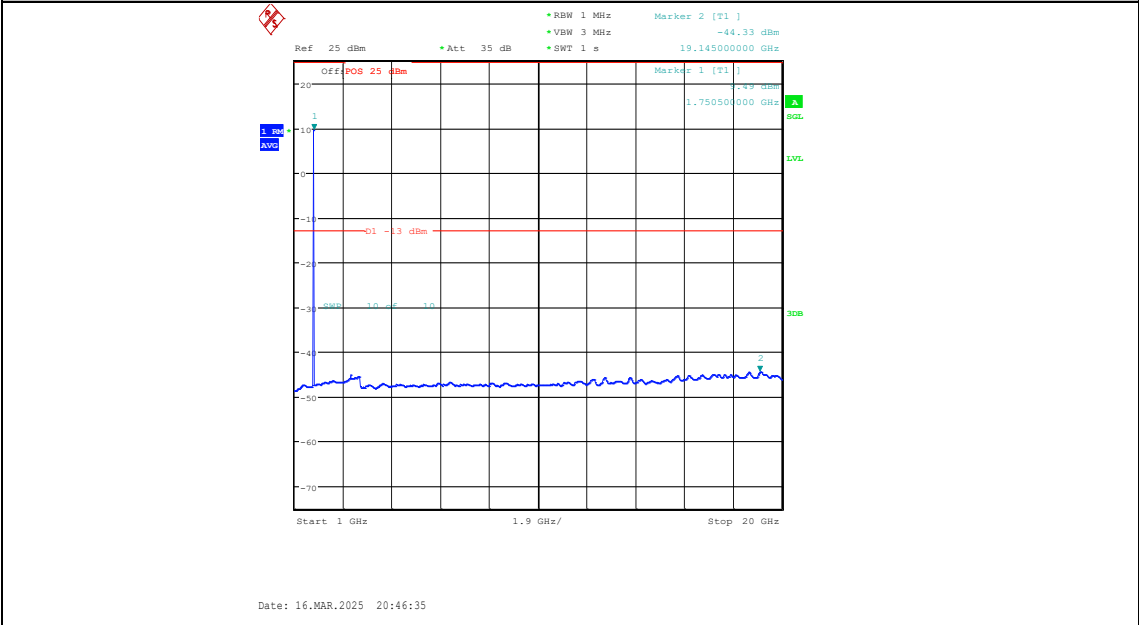
Band4-1513-5-0.009~0.15MHz-PASS



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 (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	VN	NT	-4.35	-0.002540	±2.5	PASS
Band4	1312	VL	NT	-3.83	-0.002237	±2.5	PASS
Band4	1312	VH	NT	0.08	0.000047	±2.5	PASS
Band4	1413	VN	NT	-4.18	-0.002413	±2.5	PASS
Band4	1413	VL	NT	-2.35	-0.001356	±2.5	PASS
Band4	1413	VH	NT	-7.65	-0.004415	±2.5	PASS
Band4	1513	VN	NT	-3.29	-0.001877	±2.5	PASS
Band4	1513	VL	NT	-0.11	-0.000063	±2.5	PASS
Band4	1513	VH	NT	-4.68	-0.002670	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	NV	-30	1.08	0.000631	±2.5	PASS
Band4	1312	NV	-20	-0.52	-0.000304	±2.5	PASS
Band4	1312	NV	-10	-0.99	-0.000578	±2.5	PASS
Band4	1312	NV	0	1.67	0.000975	±2.5	PASS
Band4	1312	NV	10	1.66	0.000969	±2.5	PASS
Band4	1312	NV	20	-4.37	-0.002552	±2.5	PASS
Band4	1312	NV	30	-1.66	-0.000969	±2.5	PASS
Band4	1312	NV	40	-3.45	-0.002015	±2.5	PASS
Band4	1312	NV	50	-6.65	-0.003883	±2.5	PASS
Band4	1413	NV	-30	-3.41	-0.001968	±2.5	PASS
Band4	1413	NV	-20	-6.18	-0.003567	±2.5	PASS
Band4	1413	NV	-10	-6.00	-0.003463	±2.5	PASS
Band4	1413	NV	0	-4.95	-0.002857	±2.5	PASS
Band4	1413	NV	10	-6.09	-0.003515	±2.5	PASS
Band4	1413	NV	20	-3.00	-0.001732	±2.5	PASS
Band4	1413	NV	30	0.26	0.000150	±2.5	PASS
Band4	1413	NV	40	-1.85	-0.001068	±2.5	PASS
Band4	1413	NV	50	-2.73	-0.001576	±2.5	PASS
Band4	1513	NV	-30	-3.25	-0.001854	±2.5	PASS
Band4	1513	NV	-20	-6.00	-0.003423	±2.5	PASS
Band4	1513	NV	-10	-4.04	-0.002305	±2.5	PASS
Band4	1513	NV	0	-5.51	-0.003144	±2.5	PASS

Band4	1513	NV	10	-5.31	-0.003030	±2.5	PASS
Band4	1513	NV	20	-8.89	-0.005072	±2.5	PASS
Band4	1513	NV	30	-5.66	-0.003229	±2.5	PASS
Band4	1513	NV	40	-6.52	-0.003720	±2.5	PASS
Band4	1513	NV	50	-4.55	-0.002596	±2.5	PASS

Voltage								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	1	VN	NT	-4.68	-0.002733	±2.5	PASS
Band4	1312	1	VL	NT	-4.24	-0.002476	±2.5	PASS
Band4	1312	1	VH	NT	-2.88	-0.001682	±2.5	PASS
Band4	1312	2	VN	NT	-1.49	-0.000870	±2.5	PASS
Band4	1312	2	VL	NT	-5.60	-0.003270	±2.5	PASS
Band4	1312	2	VH	NT	-3.56	-0.002079	±2.5	PASS
Band4	1312	3	VN	NT	-4.84	-0.002826	±2.5	PASS
Band4	1312	3	VL	NT	-0.68	-0.000397	±2.5	PASS
Band4	1312	3	VH	NT	-1.83	-0.001069	±2.5	PASS
Band4	1312	4	VN	NT	-2.88	-0.001682	±2.5	PASS
Band4	1312	4	VL	NT	0.03	0.000018	±2.5	PASS
Band4	1312	4	VH	NT	-0.27	-0.000158	±2.5	PASS
Band4	1413	1	VN	NT	-8.40	-0.004848	±2.5	PASS
Band4	1413	1	VL	NT	-6.23	-0.003596	±2.5	PASS
Band4	1413	1	VH	NT	-5.73	-0.003307	±2.5	PASS
Band4	1413	2	VN	NT	-3.58	-0.002066	±2.5	PASS
Band4	1413	2	VL	NT	-5.00	-0.002886	±2.5	PASS
Band4	1413	2	VH	NT	-3.15	-0.001818	±2.5	PASS
Band4	1413	3	VN	NT	-4.21	-0.002430	±2.5	PASS
Band4	1413	3	VL	NT	-5.19	-0.002995	±2.5	PASS
Band4	1413	3	VH	NT	-4.84	-0.002793	±2.5	PASS
Band4	1413	4	VN	NT	-5.04	-0.002909	±2.5	PASS
Band4	1413	4	VL	NT	-7.66	-0.004421	±2.5	PASS
Band4	1413	4	VH	NT	-2.62	-0.001512	±2.5	PASS
Band4	1513	1	VN	NT	-7.93	-0.004525	±2.5	PASS
Band4	1513	1	VL	NT	-4.26	-0.002431	±2.5	PASS
Band4	1513	1	VH	NT	-5.16	-0.002944	±2.5	PASS
Band4	1513	2	VN	NT	-5.82	-0.003321	±2.5	PASS
Band4	1513	2	VL	NT	-6.87	-0.003920	±2.5	PASS
Band4	1513	2	VH	NT	-7.14	-0.004074	±2.5	PASS
Band4	1513	3	VN	NT	-5.60	-0.003195	±2.5	PASS
Band4	1513	3	VL	NT	-5.29	-0.003018	±2.5	PASS
Band4	1513	3	VH	NT	-6.66	-0.003800	±2.5	PASS

Band4	1513	4	VN	NT	-4.58	-0.002613	±2.5	PASS
Band4	1513	4	VL	NT	-5.97	-0.003406	±2.5	PASS
Band4	1513	4	VH	NT	-3.73	-0.002128	±2.5	PASS

Temperature								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	1	NV	-30	-2.67	-0.001559	±2.5	PASS
Band4	1312	1	NV	-20	-3.19	-0.001863	±2.5	PASS
Band4	1312	1	NV	-10	0.14	0.000082	±2.5	PASS
Band4	1312	1	NV	0	0.68	0.000397	±2.5	PASS
Band4	1312	1	NV	10	0.68	0.000397	±2.5	PASS
Band4	1312	1	NV	20	-0.97	-0.000566	±2.5	PASS
Band4	1312	1	NV	30	-0.10	-0.000058	±2.5	PASS
Band4	1312	1	NV	40	-2.51	-0.001466	±2.5	PASS
Band4	1312	1	NV	50	-2.27	-0.001326	±2.5	PASS
Band4	1312	2	NV	-30	-5.13	-0.002996	±2.5	PASS
Band4	1312	2	NV	-20	-3.33	-0.001945	±2.5	PASS
Band4	1312	2	NV	-10	-4.16	-0.002429	±2.5	PASS
Band4	1312	2	NV	0	-1.85	-0.001080	±2.5	PASS
Band4	1312	2	NV	10	-1.43	-0.000835	±2.5	PASS
Band4	1312	2	NV	20	-0.99	-0.000578	±2.5	PASS
Band4	1312	2	NV	30	0.27	0.000158	±2.5	PASS
Band4	1312	2	NV	40	1.09	0.000637	±2.5	PASS
Band4	1312	2	NV	50	1.77	0.001034	±2.5	PASS
Band4	1312	3	NV	-30	-0.27	-0.000158	±2.5	PASS
Band4	1312	3	NV	-20	-5.03	-0.002937	±2.5	PASS
Band4	1312	3	NV	-10	-2.07	-0.001209	±2.5	PASS
Band4	1312	3	NV	0	-2.85	-0.001664	±2.5	PASS
Band4	1312	3	NV	10	-2.64	-0.001542	±2.5	PASS
Band4	1312	3	NV	20	-2.94	-0.001717	±2.5	PASS
Band4	1312	3	NV	30	-1.34	-0.000783	±2.5	PASS
Band4	1312	3	NV	40	-0.92	-0.000537	±2.5	PASS
Band4	1312	3	NV	50	-3.40	-0.001986	±2.5	PASS
Band4	1312	4	NV	-30	-3.93	-0.002295	±2.5	PASS
Band4	1312	4	NV	-20	-3.60	-0.002102	±2.5	PASS
Band4	1312	4	NV	-10	-3.05	-0.001781	±2.5	PASS
Band4	1312	4	NV	0	-2.37	-0.001384	±2.5	PASS
Band4	1312	4	NV	10	-3.19	-0.001863	±2.5	PASS
Band4	1312	4	NV	20	-1.17	-0.000683	±2.5	PASS
Band4	1312	4	NV	30	-3.40	-0.001986	±2.5	PASS

Band4	1312	4	NV	40	-3.27	-0.001910	±2.5	PASS
Band4	1312	4	NV	50	-1.93	-0.001127	±2.5	PASS
Band4	1413	1	NV	-30	-7.72	-0.004456	±2.5	PASS
Band4	1413	1	NV	-20	-5.34	-0.003082	±2.5	PASS
Band4	1413	1	NV	-10	-3.28	-0.001893	±2.5	PASS
Band4	1413	1	NV	0	-7.32	-0.004225	±2.5	PASS
Band4	1413	1	NV	10	-4.66	-0.002690	±2.5	PASS
Band4	1413	1	NV	20	-3.83	-0.002211	±2.5	PASS
Band4	1413	1	NV	30	-1.77	-0.001022	±2.5	PASS
Band4	1413	1	NV	40	-5.90	-0.003405	±2.5	PASS
Band4	1413	1	NV	50	-6.29	-0.003630	±2.5	PASS
Band4	1413	2	NV	-30	-1.98	-0.001143	±2.5	PASS
Band4	1413	2	NV	-20	-4.13	-0.002384	±2.5	PASS
Band4	1413	2	NV	-10	-5.38	-0.003105	±2.5	PASS
Band4	1413	2	NV	0	-6.60	-0.003809	±2.5	PASS
Band4	1413	2	NV	10	-5.74	-0.003313	±2.5	PASS
Band4	1413	2	NV	20	-4.57	-0.002638	±2.5	PASS
Band4	1413	2	NV	30	-5.11	-0.002949	±2.5	PASS
Band4	1413	2	NV	40	-4.68	-0.002701	±2.5	PASS
Band4	1413	2	NV	50	-1.30	-0.000750	±2.5	PASS
Band4	1413	3	NV	-30	-5.86	-0.003382	±2.5	PASS
Band4	1413	3	NV	-20	-6.02	-0.003475	±2.5	PASS
Band4	1413	3	NV	-10	-5.34	-0.003082	±2.5	PASS
Band4	1413	3	NV	0	-4.89	-0.002822	±2.5	PASS
Band4	1413	3	NV	10	-3.86	-0.002228	±2.5	PASS
Band4	1413	3	NV	20	-1.20	-0.000693	±2.5	PASS
Band4	1413	3	NV	30	-2.53	-0.001460	±2.5	PASS
Band4	1413	3	NV	40	-1.88	-0.001085	±2.5	PASS
Band4	1413	3	NV	50	-4.03	-0.002326	±2.5	PASS
Band4	1413	4	NV	-30	-0.86	-0.000496	±2.5	PASS
Band4	1413	4	NV	-20	-8.59	-0.004958	±2.5	PASS
Band4	1413	4	NV	-10	-6.74	-0.003890	±2.5	PASS
Band4	1413	4	NV	0	-4.89	-0.002822	±2.5	PASS
Band4	1413	4	NV	10	-4.70	-0.002713	±2.5	PASS
Band4	1413	4	NV	20	-4.63	-0.002672	±2.5	PASS
Band4	1413	4	NV	30	-2.03	-0.001172	±2.5	PASS
Band4	1413	4	NV	40	-5.39	-0.003111	±2.5	PASS
Band4	1413	4	NV	50	-2.08	-0.001201	±2.5	PASS
Band4	1513	1	NV	-30	-6.22	-0.003549	±2.5	PASS
Band4	1513	1	NV	-20	-4.22	-0.002408	±2.5	PASS
Band4	1513	1	NV	-10	-2.68	-0.001529	±2.5	PASS

Band4	1513	1	NV	0	-1.42	-0.000810	±2.5	PASS
Band4	1513	1	NV	10	-3.08	-0.001757	±2.5	PASS
Band4	1513	1	NV	20	-3.46	-0.001974	±2.5	PASS
Band4	1513	1	NV	30	-4.38	-0.002499	±2.5	PASS
Band4	1513	1	NV	40	-2.65	-0.001512	±2.5	PASS
Band4	1513	1	NV	50	-4.98	-0.002841	±2.5	PASS
Band4	1513	2	NV	-30	-3.47	-0.001980	±2.5	PASS
Band4	1513	2	NV	-20	-2.84	-0.001620	±2.5	PASS
Band4	1513	2	NV	-10	-1.29	-0.000736	±2.5	PASS
Band4	1513	2	NV	0	-1.72	-0.000981	±2.5	PASS
Band4	1513	2	NV	10	-3.09	-0.001763	±2.5	PASS
Band4	1513	2	NV	20	-0.49	-0.000280	±2.5	PASS
Band4	1513	2	NV	30	-4.17	-0.002379	±2.5	PASS
Band4	1513	2	NV	40	-2.60	-0.001484	±2.5	PASS
Band4	1513	2	NV	50	-5.53	-0.003155	±2.5	PASS
Band4	1513	3	NV	-30	-4.26	-0.002431	±2.5	PASS
Band4	1513	3	NV	-20	-4.89	-0.002790	±2.5	PASS
Band4	1513	3	NV	-10	-3.83	-0.002185	±2.5	PASS
Band4	1513	3	NV	0	-1.62	-0.000924	±2.5	PASS
Band4	1513	3	NV	10	-4.18	-0.002385	±2.5	PASS
Band4	1513	3	NV	20	-1.86	-0.001061	±2.5	PASS
Band4	1513	3	NV	30	-3.25	-0.001854	±2.5	PASS
Band4	1513	3	NV	40	-5.11	-0.002916	±2.5	PASS
Band4	1513	3	NV	50	-4.35	-0.002482	±2.5	PASS
Band4	1513	4	NV	-30	-2.10	-0.001198	±2.5	PASS
Band4	1513	4	NV	-20	-6.14	-0.003503	±2.5	PASS
Band4	1513	4	NV	-10	-5.40	-0.003081	±2.5	PASS
Band4	1513	4	NV	0	-5.12	-0.002921	±2.5	PASS
Band4	1513	4	NV	10	-2.47	-0.001409	±2.5	PASS
Band4	1513	4	NV	20	-2.02	-0.001153	±2.5	PASS
Band4	1513	4	NV	30	-3.35	-0.001911	±2.5	PASS
Band4	1513	4	NV	40	-4.29	-0.002448	±2.5	PASS
Band4	1513	4	NV	50	-1.18	-0.000673	±2.5	PASS

Voltage								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	1	VN	NT	-7.07	-0.004129	±2.5	PASS
Band4	1312	1	VL	NT	-4.23	-0.002470	±2.5	PASS
Band4	1312	1	VH	NT	-2.24	-0.001308	±2.5	PASS
Band4	1312	2	VN	NT	-8.80	-0.005139	±2.5	PASS

Band4	1312	2	VL	NT	-5.84	-0.003410	±2.5	PASS
Band4	1312	2	VH	NT	-1.39	-0.000812	±2.5	PASS
Band4	1312	3	VN	NT	-7.80	-0.004555	±2.5	PASS
Band4	1312	3	VL	NT	-7.73	-0.004514	±2.5	PASS
Band4	1312	3	VH	NT	-1.64	-0.000958	±2.5	PASS
Band4	1312	4	VN	NT	-4.04	-0.002359	±2.5	PASS
Band4	1312	4	VL	NT	-5.03	-0.002937	±2.5	PASS
Band4	1312	4	VH	NT	-0.39	-0.000228	±2.5	PASS
Band4	1312	5	VN	NT	-8.48	-0.004952	±2.5	PASS
Band4	1312	5	VL	NT	-4.51	-0.002634	±2.5	PASS
Band4	1312	5	VH	NT	-4.52	-0.002640	±2.5	PASS
Band4	1413	1	VN	NT	-11.90	-0.006868	±2.5	PASS
Band4	1413	1	VL	NT	-10.26	-0.005922	±2.5	PASS
Band4	1413	1	VH	NT	-9.13	-0.005270	±2.5	PASS
Band4	1413	2	VN	NT	-10.33	-0.005962	±2.5	PASS
Band4	1413	2	VL	NT	-8.41	-0.004854	±2.5	PASS
Band4	1413	2	VH	NT	-6.80	-0.003925	±2.5	PASS
Band4	1413	3	VN	NT	-13.28	-0.007665	±2.5	PASS
Band4	1413	3	VL	NT	-9.98	-0.005760	±2.5	PASS
Band4	1413	3	VH	NT	-5.52	-0.003186	±2.5	PASS
Band4	1413	4	VN	NT	-7.82	-0.004513	±2.5	PASS
Band4	1413	4	VL	NT	-7.12	-0.004109	±2.5	PASS
Band4	1413	4	VH	NT	-4.05	-0.002338	±2.5	PASS
Band4	1413	5	VN	NT	-10.46	-0.006037	±2.5	PASS
Band4	1413	5	VL	NT	-9.52	-0.005495	±2.5	PASS
Band4	1413	5	VH	NT	-5.90	-0.003405	±2.5	PASS
Band4	1513	1	VN	NT	-11.63	-0.006636	±2.5	PASS
Band4	1513	1	VL	NT	-6.72	-0.003834	±2.5	PASS
Band4	1513	1	VH	NT	-6.67	-0.003806	±2.5	PASS
Band4	1513	2	VN	NT	-9.26	-0.005284	±2.5	PASS
Band4	1513	2	VL	NT	-8.43	-0.004810	±2.5	PASS
Band4	1513	2	VH	NT	-3.33	-0.001900	±2.5	PASS
Band4	1513	3	VN	NT	-11.28	-0.006436	±2.5	PASS
Band4	1513	3	VL	NT	-9.76	-0.005569	±2.5	PASS
Band4	1513	3	VH	NT	-3.73	-0.002128	±2.5	PASS
Band4	1513	4	VN	NT	-7.57	-0.004319	±2.5	PASS
Band4	1513	4	VL	NT	-5.30	-0.003024	±2.5	PASS
Band4	1513	4	VH	NT	-4.27	-0.002436	±2.5	PASS
Band4	1513	5	VN	NT	-11.92	-0.006801	±2.5	PASS
Band4	1513	5	VL	NT	-11.97	-0.006830	±2.5	PASS
Band4	1513	5	VH	NT	-6.08	-0.003469	±2.5	PASS

Temperature								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	1	NV	-30	-2.31	-0.001349	±2.5	PASS
Band4	1312	1	NV	-20	-2.66	-0.001553	±2.5	PASS
Band4	1312	1	NV	-10	-3.35	-0.001956	±2.5	PASS
Band4	1312	1	NV	0	-2.23	-0.001302	±2.5	PASS
Band4	1312	1	NV	10	-6.09	-0.003556	±2.5	PASS
Band4	1312	1	NV	20	0.34	0.000199	±2.5	PASS
Band4	1312	1	NV	30	-0.03	-0.000018	±2.5	PASS
Band4	1312	1	NV	40	1.47	0.000858	±2.5	PASS
Band4	1312	1	NV	50	-3.16	-0.001845	±2.5	PASS
Band4	1312	2	NV	-30	-3.96	-0.002313	±2.5	PASS
Band4	1312	2	NV	-20	-1.54	-0.000899	±2.5	PASS
Band4	1312	2	NV	-10	0.02	0.000012	±2.5	PASS
Band4	1312	2	NV	0	-1.67	-0.000975	±2.5	PASS
Band4	1312	2	NV	10	2.62	0.001530	±2.5	PASS
Band4	1312	2	NV	20	0.49	0.000286	±2.5	PASS
Band4	1312	2	NV	30	1.38	0.000806	±2.5	PASS
Band4	1312	2	NV	40	-1.57	-0.000917	±2.5	PASS
Band4	1312	2	NV	50	2.44	0.001425	±2.5	PASS
Band4	1312	3	NV	-30	-2.83	-0.001653	±2.5	PASS
Band4	1312	3	NV	-20	-4.03	-0.002353	±2.5	PASS
Band4	1312	3	NV	-10	-0.54	-0.000315	±2.5	PASS
Band4	1312	3	NV	0	-2.91	-0.001699	±2.5	PASS
Band4	1312	3	NV	10	-1.53	-0.000893	±2.5	PASS
Band4	1312	3	NV	20	-1.58	-0.000923	±2.5	PASS
Band4	1312	3	NV	30	-0.97	-0.000566	±2.5	PASS
Band4	1312	3	NV	40	-0.89	-0.000520	±2.5	PASS
Band4	1312	3	NV	50	0.36	0.000210	±2.5	PASS
Band4	1312	4	NV	-30	-4.86	-0.002838	±2.5	PASS
Band4	1312	4	NV	-20	-2.01	-0.001174	±2.5	PASS
Band4	1312	4	NV	-10	-2.41	-0.001407	±2.5	PASS
Band4	1312	4	NV	0	-1.88	-0.001098	±2.5	PASS
Band4	1312	4	NV	10	-1.14	-0.000666	±2.5	PASS
Band4	1312	4	NV	20	1.01	0.000590	±2.5	PASS
Band4	1312	4	NV	30	-4.53	-0.002645	±2.5	PASS
Band4	1312	4	NV	40	-0.41	-0.000239	±2.5	PASS
Band4	1312	4	NV	50	-0.88	-0.000514	±2.5	PASS
Band4	1312	5	NV	-30	-3.07	-0.001793	±2.5	PASS
Band4	1312	5	NV	-20	-1.54	-0.000899	±2.5	PASS

Band4	1312	5	NV	-10	-3.04	-0.001775	±2.5	PASS
Band4	1312	5	NV	0	-5.56	-0.003247	±2.5	PASS
Band4	1312	5	NV	10	-4.29	-0.002505	±2.5	PASS
Band4	1312	5	NV	20	-0.98	-0.000572	±2.5	PASS
Band4	1312	5	NV	30	-2.39	-0.001396	±2.5	PASS
Band4	1312	5	NV	40	-0.99	-0.000578	±2.5	PASS
Band4	1312	5	NV	50	-1.07	-0.000625	±2.5	PASS
Band4	1413	1	NV	-30	-1.92	-0.001108	±2.5	PASS
Band4	1413	1	NV	-20	-6.86	-0.003959	±2.5	PASS
Band4	1413	1	NV	-10	-2.95	-0.001703	±2.5	PASS
Band4	1413	1	NV	0	-7.90	-0.004560	±2.5	PASS
Band4	1413	1	NV	10	-4.13	-0.002384	±2.5	PASS
Band4	1413	1	NV	20	-3.18	-0.001835	±2.5	PASS
Band4	1413	1	NV	30	-3.71	-0.002141	±2.5	PASS
Band4	1413	1	NV	40	-4.16	-0.002401	±2.5	PASS
Band4	1413	1	NV	50	-5.51	-0.003180	±2.5	PASS
Band4	1413	2	NV	-30	-6.42	-0.003705	±2.5	PASS
Band4	1413	2	NV	-20	-2.76	-0.001593	±2.5	PASS
Band4	1413	2	NV	-10	-5.58	-0.003221	±2.5	PASS
Band4	1413	2	NV	0	-3.23	-0.001864	±2.5	PASS
Band4	1413	2	NV	10	-1.58	-0.000912	±2.5	PASS
Band4	1413	2	NV	20	-1.75	-0.001010	±2.5	PASS
Band4	1413	2	NV	30	-5.74	-0.003313	±2.5	PASS
Band4	1413	2	NV	40	-7.27	-0.004196	±2.5	PASS
Band4	1413	2	NV	50	-4.58	-0.002643	±2.5	PASS
Band4	1413	3	NV	-30	-7.13	-0.004115	±2.5	PASS
Band4	1413	3	NV	-20	-7.15	-0.004127	±2.5	PASS
Band4	1413	3	NV	-10	-4.65	-0.002684	±2.5	PASS
Band4	1413	3	NV	0	-3.82	-0.002205	±2.5	PASS
Band4	1413	3	NV	10	-6.74	-0.003890	±2.5	PASS
Band4	1413	3	NV	20	-6.42	-0.003705	±2.5	PASS
Band4	1413	3	NV	30	-3.71	-0.002141	±2.5	PASS
Band4	1413	3	NV	40	-3.30	-0.001905	±2.5	PASS
Band4	1413	3	NV	50	-5.54	-0.003198	±2.5	PASS
Band4	1413	4	NV	-30	-5.82	-0.003359	±2.5	PASS
Band4	1413	4	NV	-20	-6.95	-0.004011	±2.5	PASS
Band4	1413	4	NV	-10	-4.08	-0.002355	±2.5	PASS
Band4	1413	4	NV	0	-1.47	-0.000848	±2.5	PASS
Band4	1413	4	NV	10	-3.00	-0.001732	±2.5	PASS
Band4	1413	4	NV	20	-2.38	-0.001374	±2.5	PASS
Band4	1413	4	NV	30	-0.68	-0.000392	±2.5	PASS

Band4	1413	4	NV	40	-4.23	-0.002441	±2.5	PASS
Band4	1413	4	NV	50	-7.20	-0.004156	±2.5	PASS
Band4	1413	5	NV	-30	-7.18	-0.004144	±2.5	PASS
Band4	1413	5	NV	-20	-4.74	-0.002736	±2.5	PASS
Band4	1413	5	NV	-10	-5.85	-0.003376	±2.5	PASS
Band4	1413	5	NV	0	-3.38	-0.001951	±2.5	PASS
Band4	1413	5	NV	10	-5.94	-0.003428	±2.5	PASS
Band4	1413	5	NV	20	-3.52	-0.002032	±2.5	PASS
Band4	1413	5	NV	30	-2.53	-0.001460	±2.5	PASS
Band4	1413	5	NV	40	-7.48	-0.004317	±2.5	PASS
Band4	1413	5	NV	50	-7.10	-0.004098	±2.5	PASS
Band4	1513	1	NV	-30	-3.29	-0.001877	±2.5	PASS
Band4	1513	1	NV	-20	-6.76	-0.003857	±2.5	PASS
Band4	1513	1	NV	-10	-6.58	-0.003754	±2.5	PASS
Band4	1513	1	NV	0	-4.21	-0.002402	±2.5	PASS
Band4	1513	1	NV	10	-7.74	-0.004416	±2.5	PASS
Band4	1513	1	NV	20	-7.19	-0.004102	±2.5	PASS
Band4	1513	1	NV	30	-6.54	-0.003732	±2.5	PASS
Band4	1513	1	NV	40	-4.14	-0.002362	±2.5	PASS
Band4	1513	1	NV	50	-4.66	-0.002659	±2.5	PASS
Band4	1513	2	NV	-30	-5.98	-0.003412	±2.5	PASS
Band4	1513	2	NV	-20	-5.59	-0.003190	±2.5	PASS
Band4	1513	2	NV	-10	-2.78	-0.001586	±2.5	PASS
Band4	1513	2	NV	0	-2.29	-0.001307	±2.5	PASS
Band4	1513	2	NV	10	-7.87	-0.004490	±2.5	PASS
Band4	1513	2	NV	20	-3.83	-0.002185	±2.5	PASS
Band4	1513	2	NV	30	-4.73	-0.002699	±2.5	PASS
Band4	1513	2	NV	40	-2.00	-0.001141	±2.5	PASS
Band4	1513	2	NV	50	-3.63	-0.002071	±2.5	PASS
Band4	1513	3	NV	-30	-5.74	-0.003275	±2.5	PASS
Band4	1513	3	NV	-20	-6.52	-0.003720	±2.5	PASS
Band4	1513	3	NV	-10	-4.66	-0.002659	±2.5	PASS
Band4	1513	3	NV	0	-7.59	-0.004331	±2.5	PASS
Band4	1513	3	NV	10	-3.49	-0.001991	±2.5	PASS
Band4	1513	3	NV	20	-5.09	-0.002904	±2.5	PASS
Band4	1513	3	NV	30	-6.54	-0.003732	±2.5	PASS
Band4	1513	3	NV	40	-3.35	-0.001911	±2.5	PASS
Band4	1513	3	NV	50	-2.17	-0.001238	±2.5	PASS
Band4	1513	4	NV	-30	-4.79	-0.002733	±2.5	PASS
Band4	1513	4	NV	-20	-5.84	-0.003332	±2.5	PASS
Band4	1513	4	NV	-10	-3.40	-0.001940	±2.5	PASS

Band4	1513	4	NV	0	-7.22	-0.004120	±2.5	PASS
Band4	1513	4	NV	10	-4.57	-0.002608	±2.5	PASS
Band4	1513	4	NV	20	-5.87	-0.003349	±2.5	PASS
Band4	1513	4	NV	30	-4.20	-0.002396	±2.5	PASS
Band4	1513	4	NV	40	-1.29	-0.000736	±2.5	PASS
Band4	1513	4	NV	50	-1.24	-0.000708	±2.5	PASS
Band4	1513	5	NV	-30	-7.22	-0.004120	±2.5	PASS
Band4	1513	5	NV	-20	-4.13	-0.002356	±2.5	PASS
Band4	1513	5	NV	-10	-5.96	-0.003401	±2.5	PASS
Band4	1513	5	NV	0	-1.72	-0.000981	±2.5	PASS
Band4	1513	5	NV	10	-5.88	-0.003355	±2.5	PASS
Band4	1513	5	NV	20	-6.08	-0.003469	±2.5	PASS
Band4	1513	5	NV	30	-1.67	-0.000953	±2.5	PASS
Band4	1513	5	NV	40	-5.07	-0.002893	±2.5	PASS
Band4	1513	5	NV	50	-4.21	-0.002402	±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

