

Appendix-FCC-WCDMA-B4

1.1 AppendixA: Effective (Isotropic) Radiated Power Output Data

1.1.1 Test Result

Band	Channel	conducted power(dBm)	Max AntGain (dBi)	EIRP (dBm)	Limit(dBm)	Verdict
Band4	1312	23.20	2.04	25.24	30	PASS
Band4	1413	23.92	2.04	25.96	30	PASS
Band4	1513	23.42	2.04	25.46	30	PASS

Band	Channel	SubTest	conducted power(dBm)	Max AntGain (dBi)	EIRP (dBm)	Limit(dBm)	Verdict
Band4	1312	1	22.47	2.04	24.51	30	PASS
Band4	1312	2	22.17	2.04	24.21	30	PASS
Band4	1312	3	21.67	2.04	23.71	30	PASS
Band4	1312	4	22.54	2.04	24.58	30	PASS
Band4	1413	1	22.80	2.04	24.84	30	PASS
Band4	1413	2	22.57	2.04	24.61	30	PASS
Band4	1413	3	22.18	2.04	24.22	30	PASS
Band4	1413	4	22.34	2.04	24.38	30	PASS
Band4	1513	1	22.56	2.04	24.60	30	PASS
Band4	1513	2	22.03	2.04	24.07	30	PASS
Band4	1513	3	21.70	2.04	23.74	30	PASS
Band4	1513	4	21.86	2.04	23.90	30	PASS

Band	Channel	SubTest	conducted power(dBm)	Max AntGain (dBi)	EIRP (dBm)	Limit(dBm)	Verdict
Band4	1312	1	21.35	2.04	23.39	30	PASS
Band4	1312	2	21.16	2.04	23.20	30	PASS
Band4	1312	3	21.25	2.04	23.29	30	PASS
Band4	1312	4	18.70	2.04	20.74	30	PASS
Band4	1312	5	20.76	2.04	22.80	30	PASS
Band4	1413	1	21.27	2.04	23.31	30	PASS
Band4	1413	2	20.73	2.04	22.77	30	PASS
Band4	1413	3	21.64	2.04	23.68	30	PASS
Band4	1413	4	18.34	2.04	20.38	30	PASS
Band4	1413	5	21.02	2.04	23.06	30	PASS
Band4	1513	1	21.38	2.04	23.42	30	PASS
Band4	1513	2	20.21	2.04	22.25	30	PASS
Band4	1513	3	20.70	2.04	22.74	30	PASS
Band4	1513	4	19.15	2.04	21.19	30	PASS
Band4	1513	5	20.74	2.04	22.78	30	PASS

1.2 AppendixB:Peak-to-Average Ratio

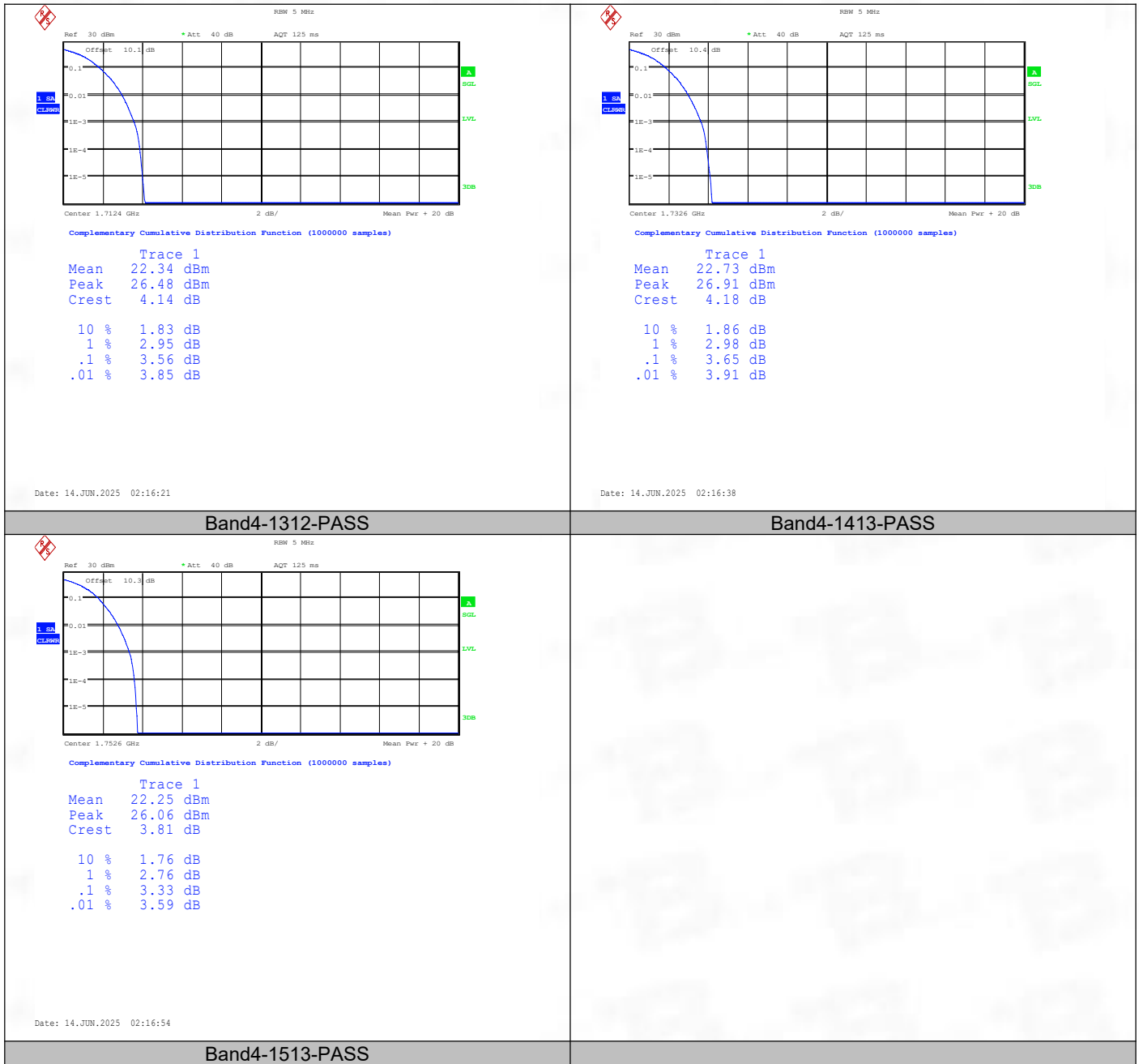
1.2.1 Test Result

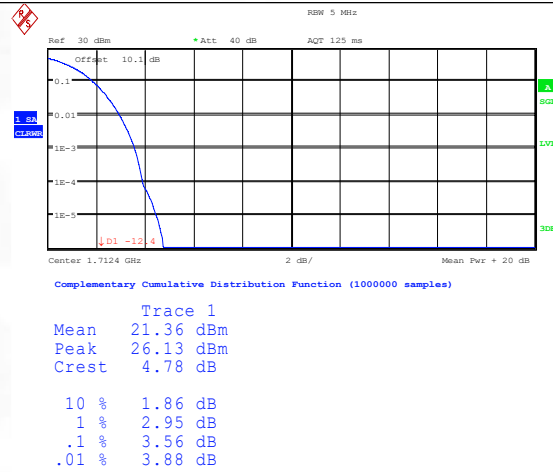
Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band4	1312	3.56	13	PASS
Band4	1413	3.65	13	PASS
Band4	1513	3.33	13	PASS

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band4	1312	1	3.56	13	PASS
Band4	1312	2	4.01	13	PASS
Band4	1312	3	4.23	13	PASS
Band4	1312	4	4.29	13	PASS
Band4	1413	1	3.56	13	PASS
Band4	1413	2	4.04	13	PASS
Band4	1413	3	4.26	13	PASS
Band4	1413	4	4.33	13	PASS
Band4	1513	1	3.43	13	PASS
Band4	1513	2	3.88	13	PASS
Band4	1513	3	4.07	13	PASS
Band4	1513	4	4.1	13	PASS

Band	Channel	SubTest	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band4	1312	1	4.58	13	PASS
Band4	1312	2	5.74	13	PASS
Band4	1312	3	5.32	13	PASS
Band4	1312	4	5.74	13	PASS
Band4	1312	5	4.65	13	PASS
Band4	1413	1	4.68	13	PASS
Band4	1413	2	5.8	13	PASS
Band4	1413	3	5.42	13	PASS
Band4	1413	4	5.8	13	PASS
Band4	1413	5	4.71	13	PASS
Band4	1513	1	4.55	13	PASS
Band4	1513	2	5.51	13	PASS
Band4	1513	3	5.03	13	PASS
Band4	1513	4	5.51	13	PASS
Band4	1513	5	4.42	13	PASS

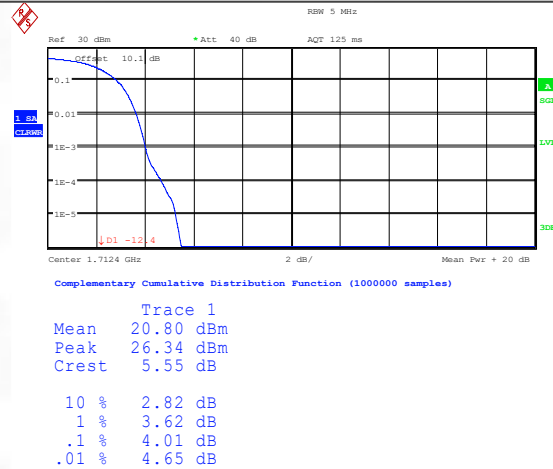
1.2.2 Test Graphs





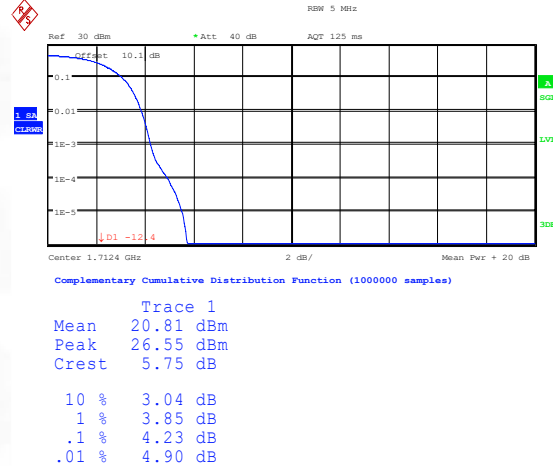
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Band4-1312-1-PASS



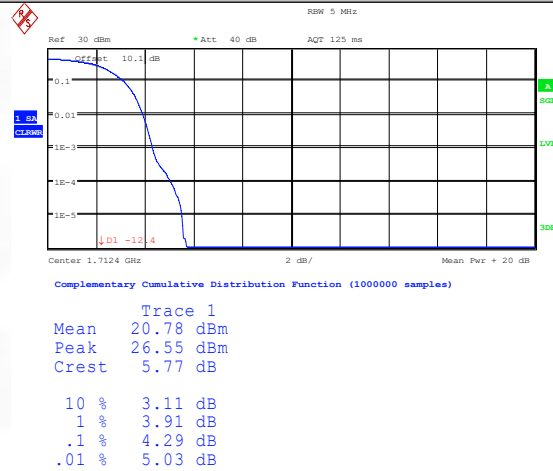
Date: 14.JUN.2025 02:33:55

Band4-1312-2-PASS



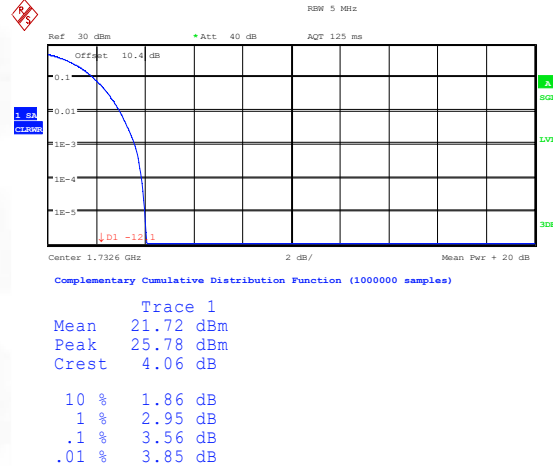
Date: 14.JUN.2025 02:35:05

Band4-1312-3-PASS



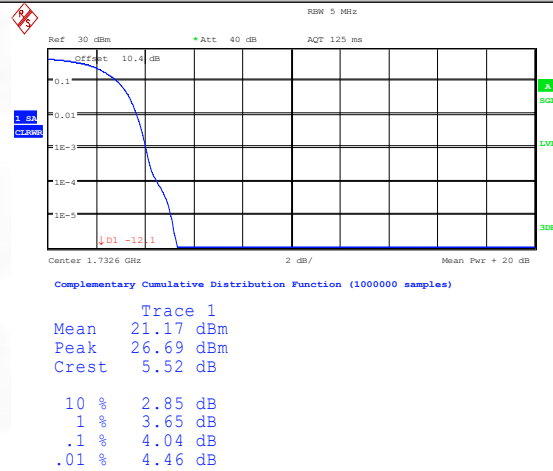
Date: 14.JUN.2025 02:36:16

Band4-1312-4-PASS



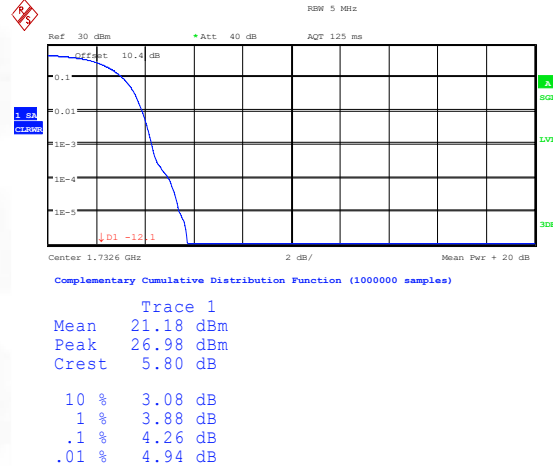
Date: 14.JUN.2025 02:33:03

Band4-1413-1-PASS



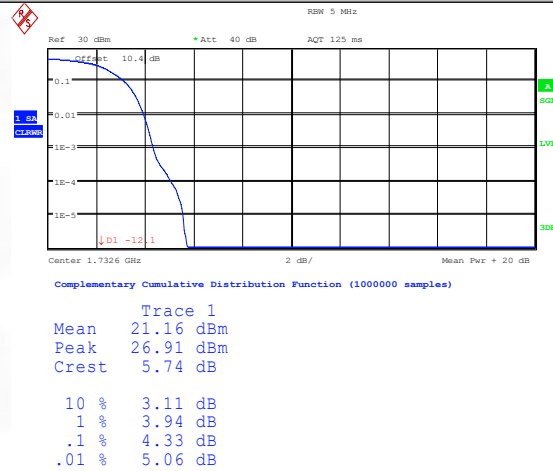
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Band4-1413-2-PASS



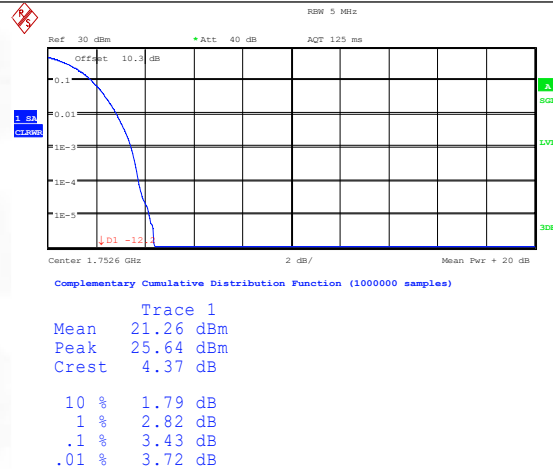
Date: 14.JUN.2025 02:35:24

Band4-1413-3-PASS



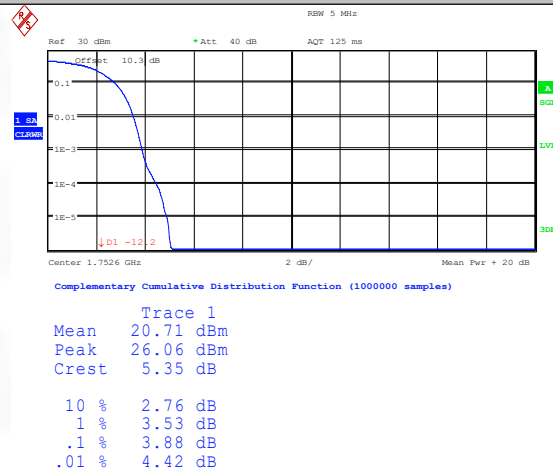
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Band4-1413-4-PASS



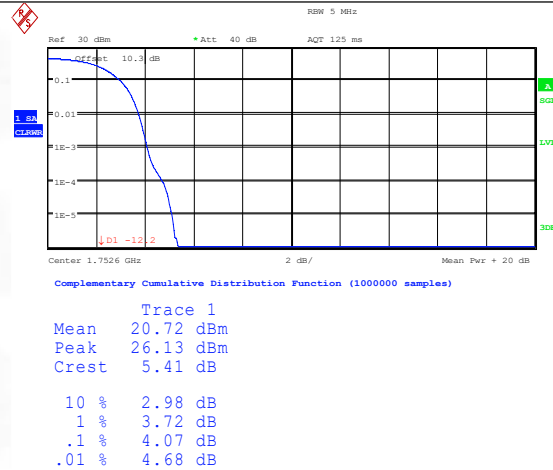
Date: 14.JUN.2025 02:33:22

Band4-1513-1-PASS



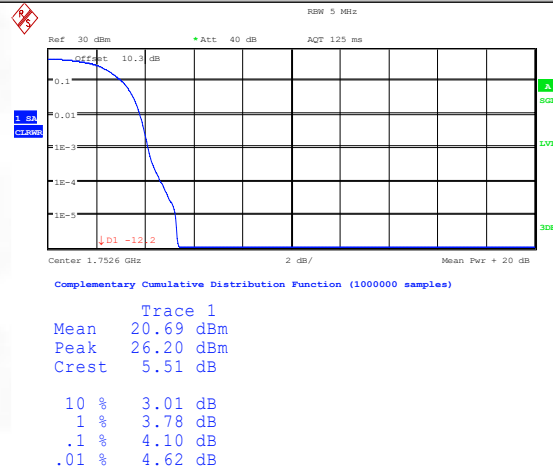
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Band4-1513-2-PASS



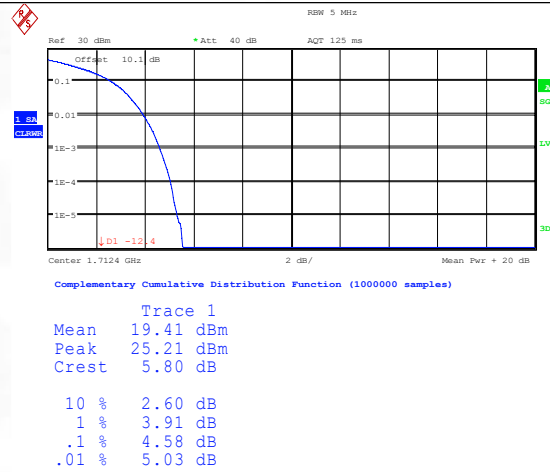
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Band4-1513-3-PASS



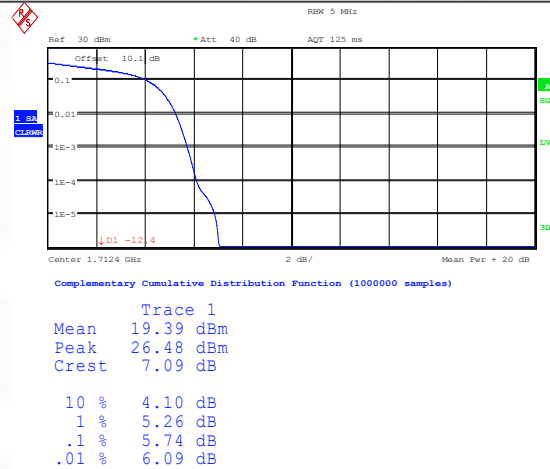
Date: 14.JUN.2025 02:36:53

Band4-1513-4-PASS



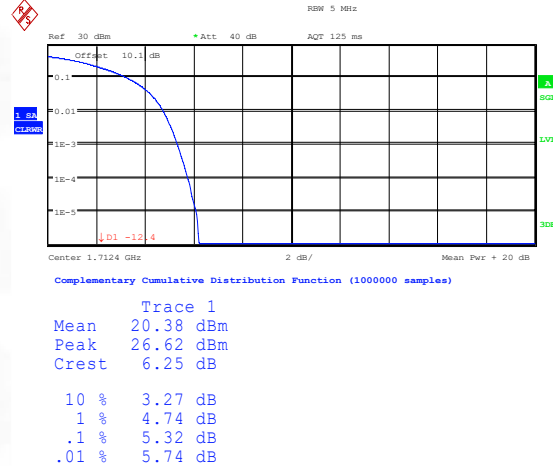
Date: 14.JUN.2025 03:45:03

Band4-1312-1-PASS



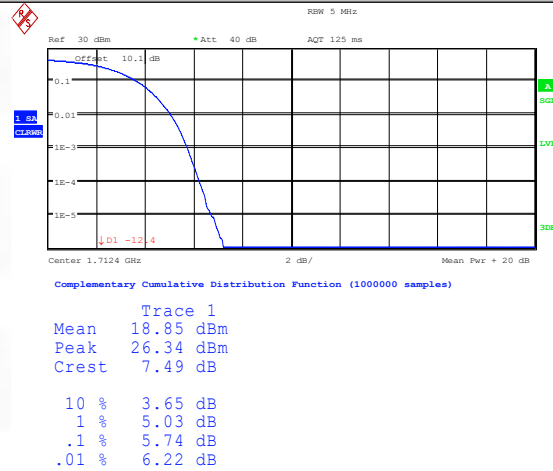
Date: 14.JUN.2025 03:47:51

Band4-1312-2-PASS



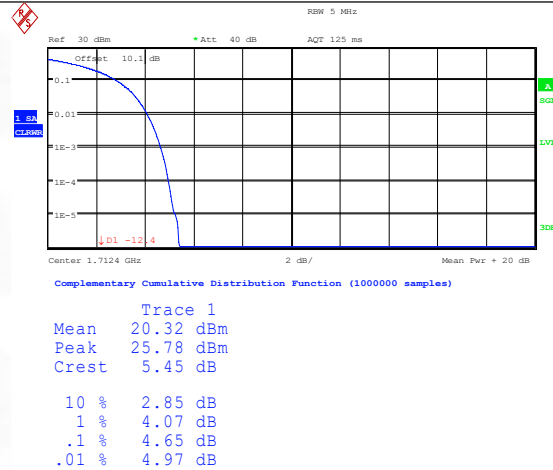
Date: 14.JUN.2025 03:50:44

Band4-1312-3-PASS



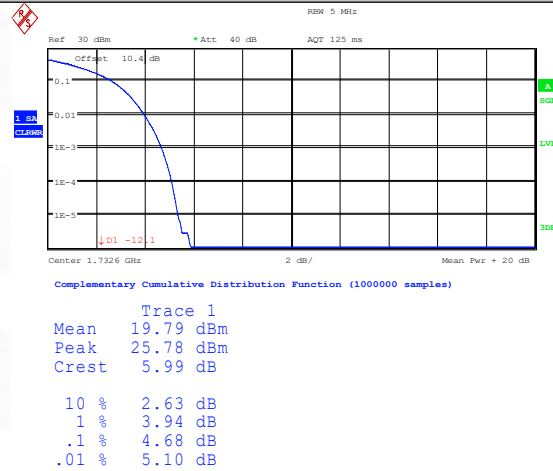
Date: 14.JUN.2025 03:53:30

Band4-1312-4-PASS



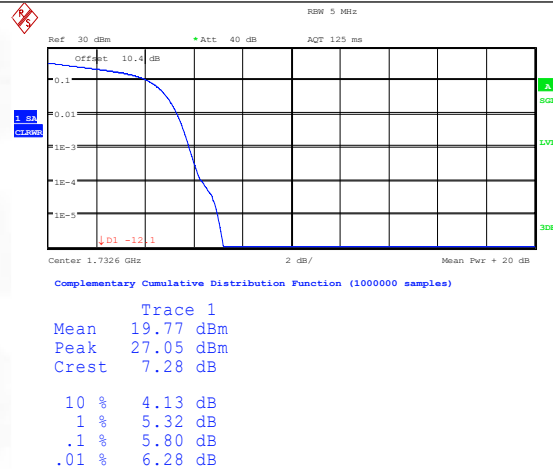
Date: 14.JUN.2025 03:56:09

Band4-1312-5-PASS



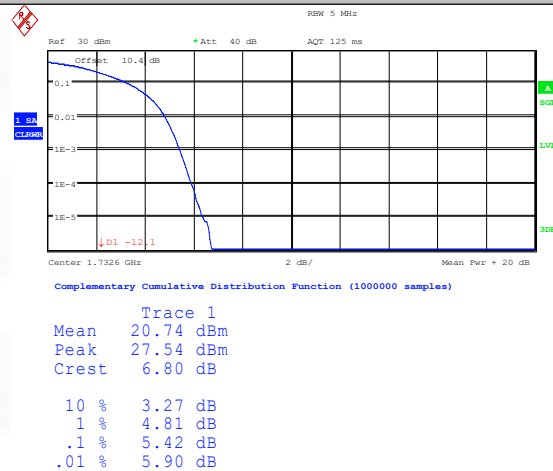
Date: 14.JUN.2025 03:46:06

Band4-1413-1-PASS



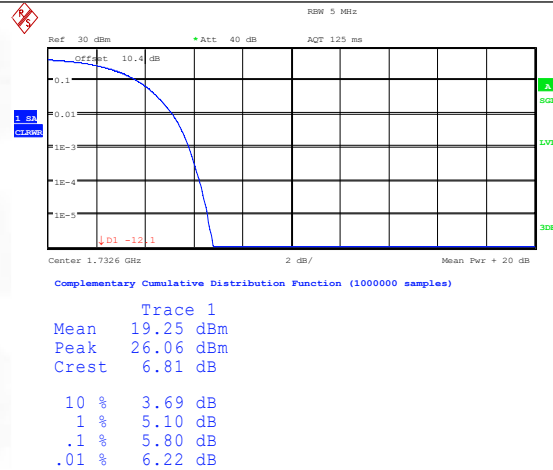
Date: 14.JUN.2025 03:48:57

Band4-1413-2-PASS



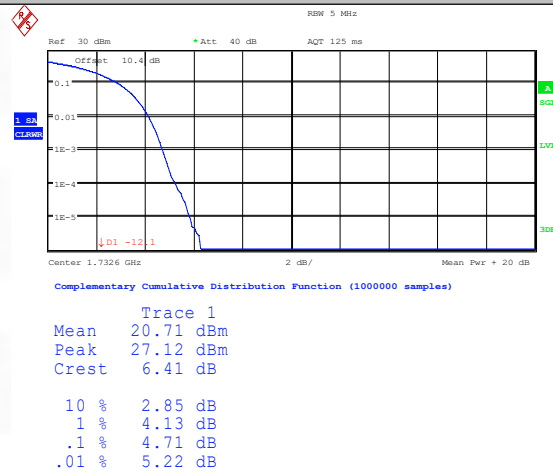
Date: 14.JUN.2025 03:51:43

Band4-1413-3-PASS



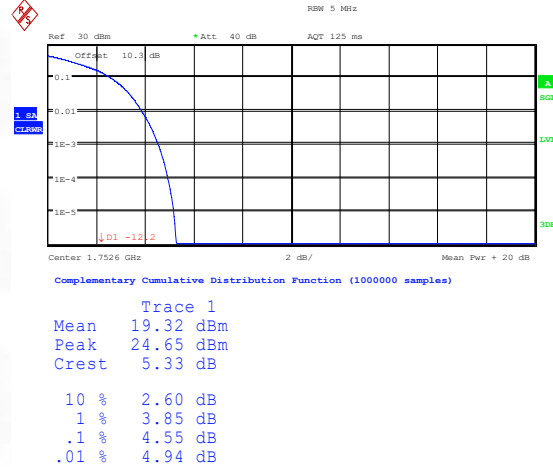
Date: 14.JUN.2025 03:54:30

Band4-1413-4-PASS



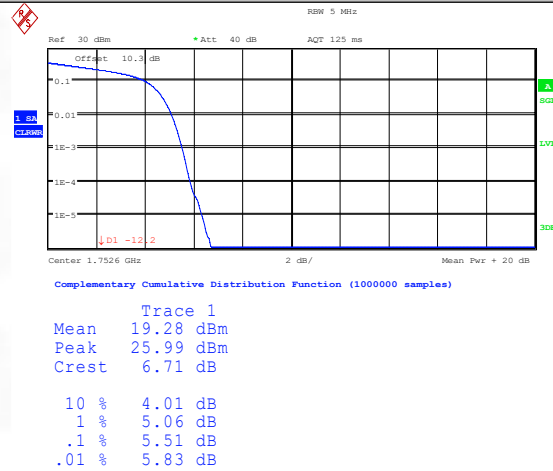
Date: 14.JUN.2025 03:56:34

Band4-1413-5-PASS



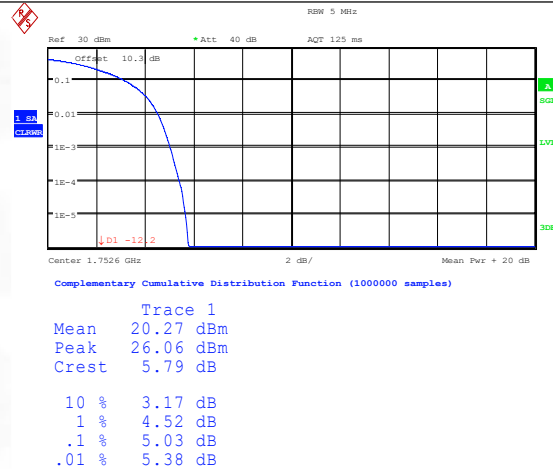
Date: 14.JUN.2025 03:47:08

Band4-1513-1-PASS



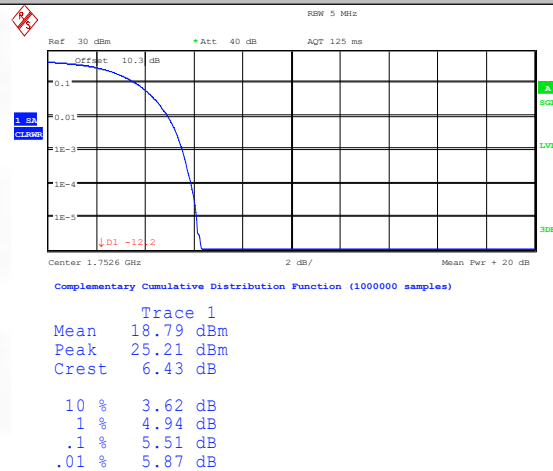
Date: 14.JUN.2025 03:50:00

Band4-1513-2-PASS



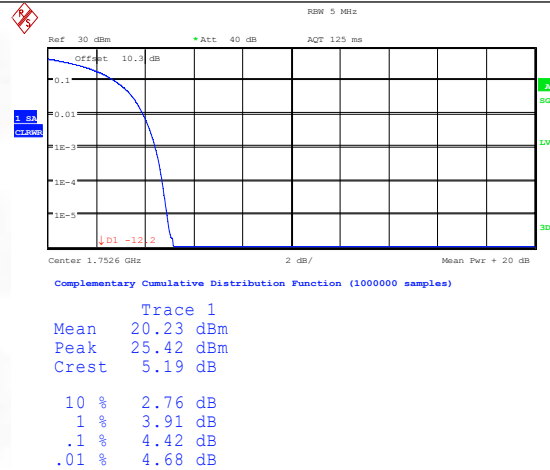
Date: 14.JUN.2025 03:52:47

Band4-1513-3-PASS



Date: 14.JUN.2025 03:55:29

Band4-1513-4-PASS



Date: 14.JUN.2025 03:57:00

Band4-1513-5-PASS

1.3 AppendixC:26dB Bandwidth andOccupied Bandwidth

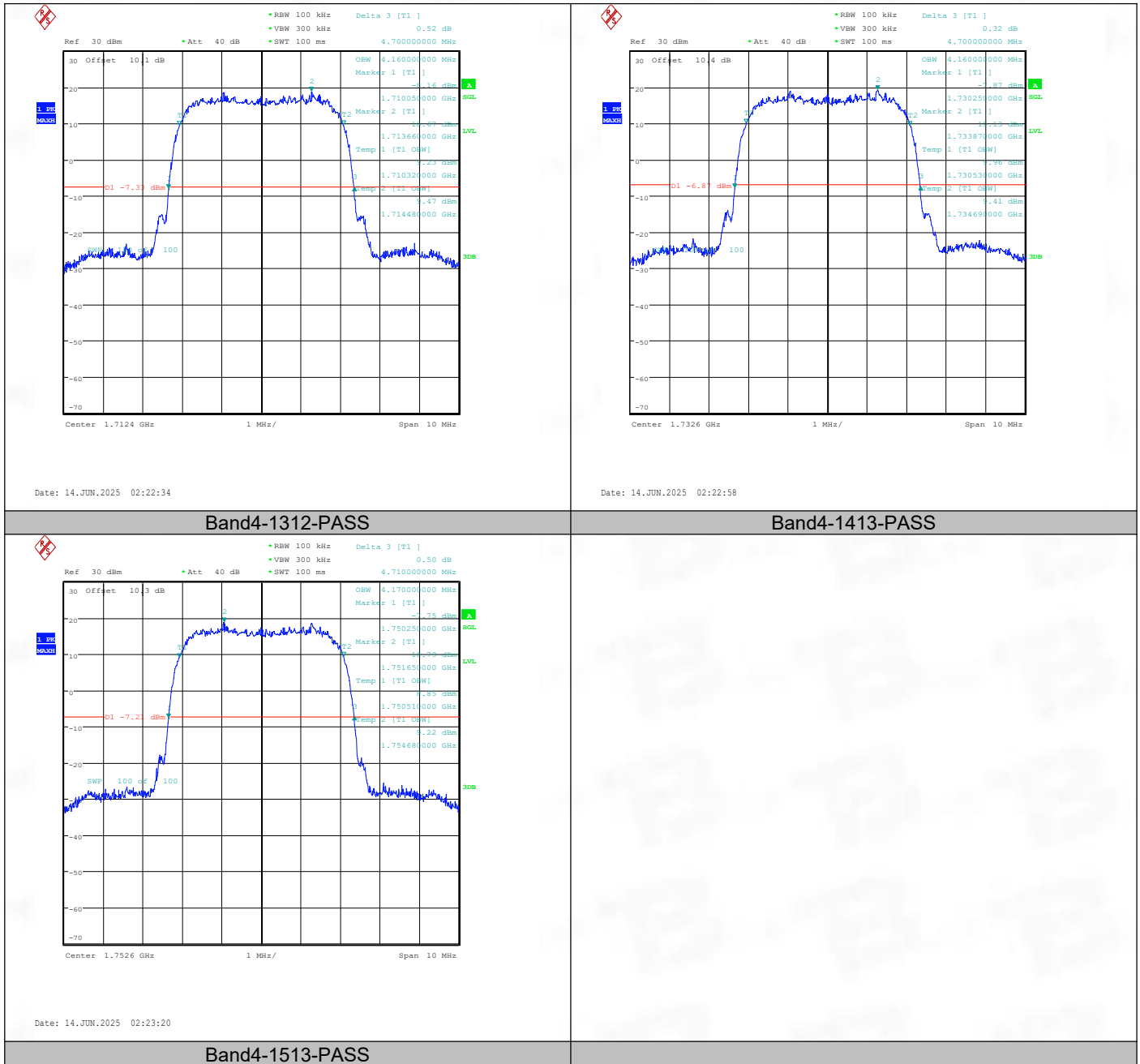
1.3.1 Test Result

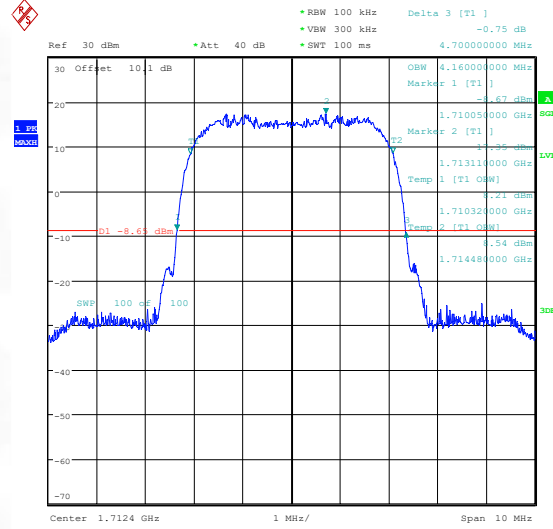
Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band4	1312	4.16	4.70	---	PASS
Band4	1413	4.16	4.70	---	PASS
Band4	1513	4.17	4.71	---	PASS

Band	Channel	SubTest	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band4	1312	1	4.16	4.70	---	PASS
Band4	1312	2	4.17	4.72	---	PASS
Band4	1312	3	4.17	4.72	---	PASS
Band4	1312	4	4.17	4.72	---	PASS
Band4	1413	1	4.16	4.70	---	PASS
Band4	1413	2	4.17	4.73	---	PASS
Band4	1413	3	4.17	4.73	---	PASS
Band4	1413	4	4.18	4.72	---	PASS
Band4	1513	1	4.18	4.70	---	PASS
Band4	1513	2	4.17	4.72	---	PASS
Band4	1513	3	4.18	4.71	---	PASS
Band4	1513	4	4.19	4.71	---	PASS

Band	Channel	SubTest	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band4	1312	1	4.17	4.73	---	PASS
Band4	1312	2	4.19	4.72	---	PASS
Band4	1312	3	4.19	4.74	---	PASS
Band4	1312	4	4.2	4.74	---	PASS
Band4	1312	5	4.17	4.71	---	PASS
Band4	1413	1	4.2	4.73	---	PASS
Band4	1413	2	4.19	4.74	---	PASS
Band4	1413	3	4.19	4.73	---	PASS
Band4	1413	4	4.19	4.75	---	PASS
Band4	1413	5	4.17	4.71	---	PASS
Band4	1513	1	4.18	4.73	---	PASS
Band4	1513	2	4.18	4.72	---	PASS
Band4	1513	3	4.19	4.73	---	PASS
Band4	1513	4	4.19	4.72	---	PASS
Band4	1513	5	4.16	4.70	---	PASS

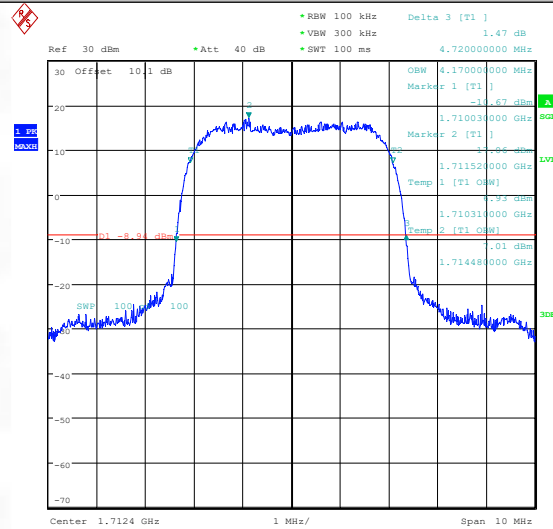
1.3.2 Test Graphs





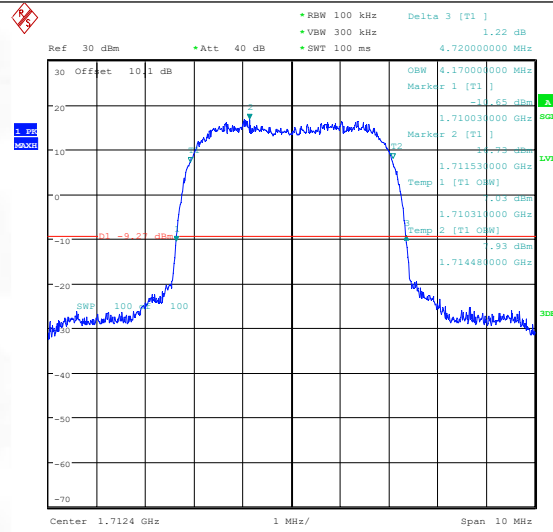
Date: 14.JUN.2025 03:02:47

Band4-1312-1-PASS



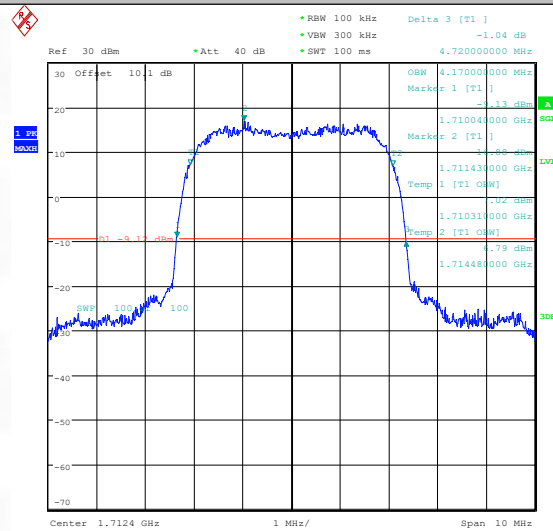
Date: 14.JUN.2025 03:04:33

Band4-1312-2-PASS



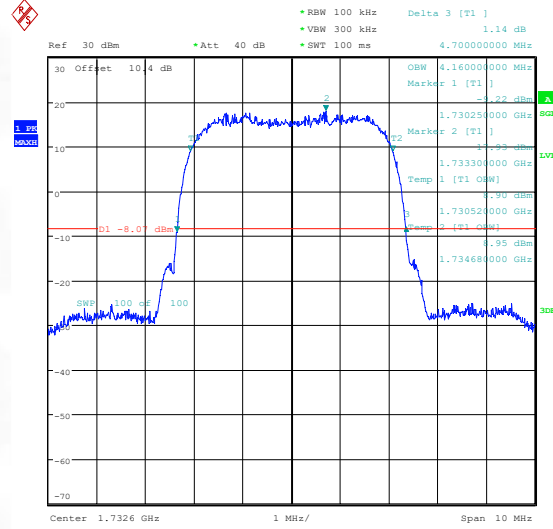
Date: 14.JUN.2025 03:06:18

Band4-1312-3-PASS



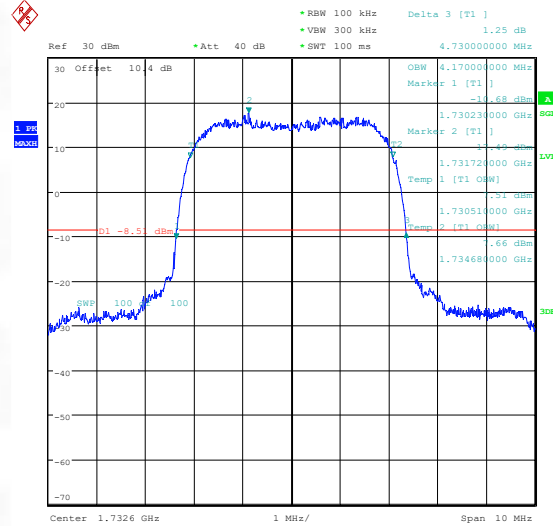
Date: 14.JUN.2025 03:08:05

Band4-1312-4-PASS



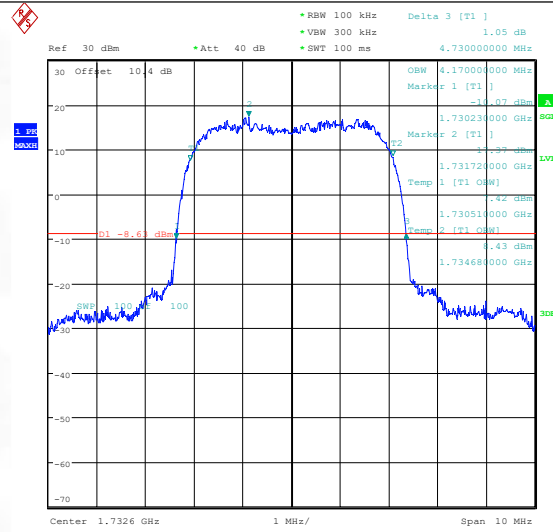
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Band4-1413-1-PASS



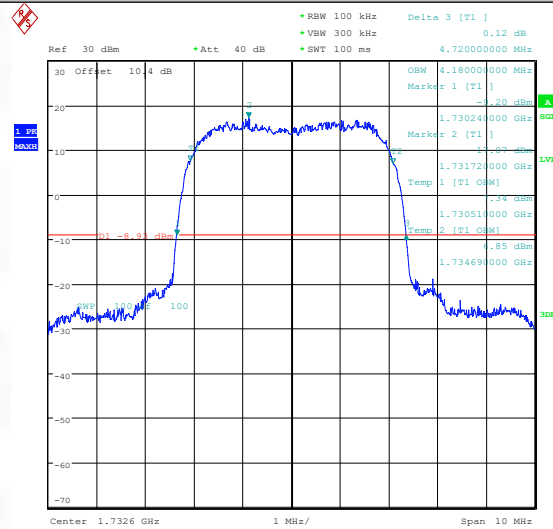
Date: 14.JUN.2025 03:05:04

Band4-1413-2-PASS



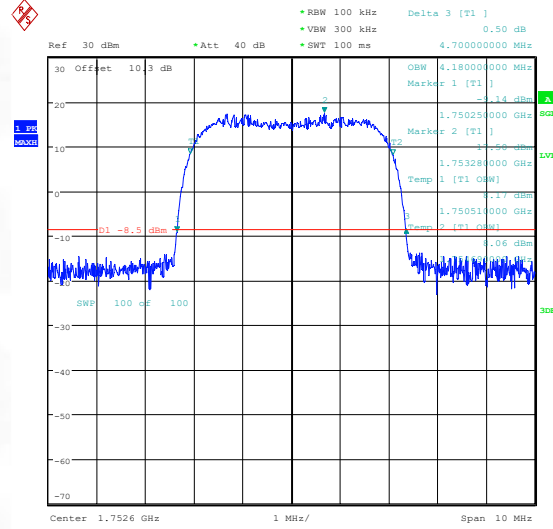
Date: 14.JUN.2025 03:06:49

Band4-1413-3-PASS



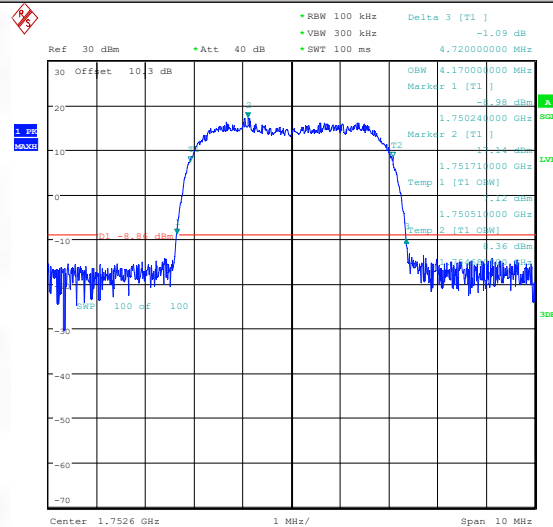
Date: 14.JUN.2025 03:08:37

Band4-1413-4-PASS



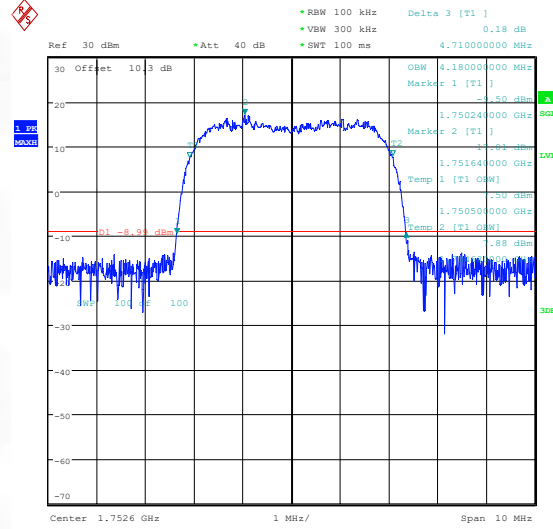
Date: 14.JUN.2025 03:03:47

Band4-1513-1-PASS



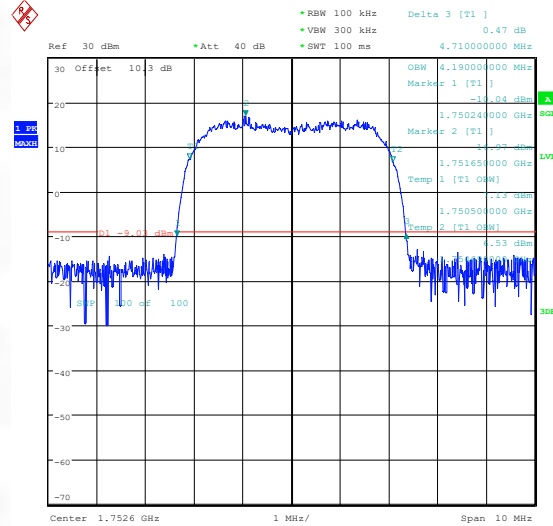
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Band4-1513-2-PASS



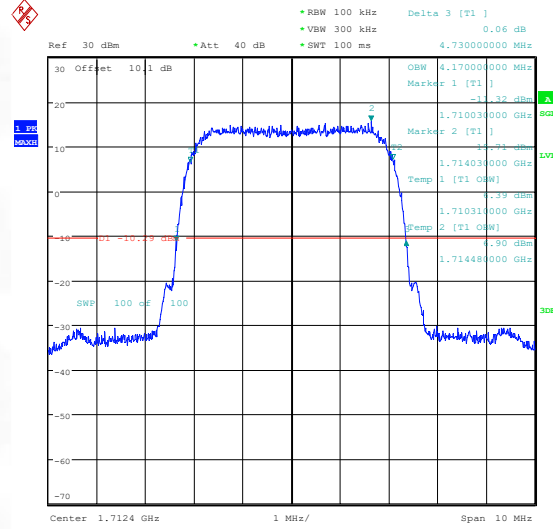
Date: 14.JUN.2025 03:07:19

Band4-1513-3-PASS



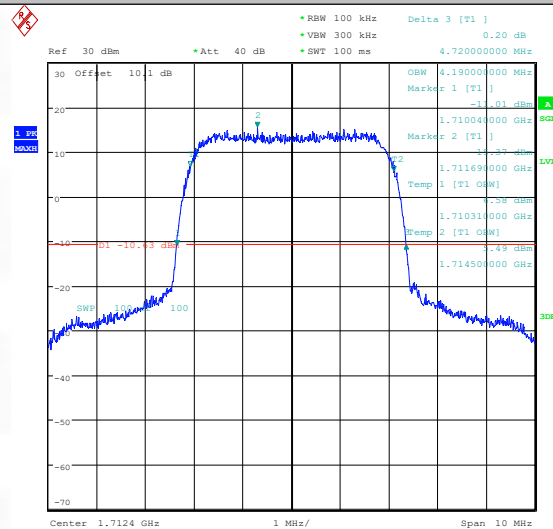
Date: 14.JUN.2025 03:09:06

Band4-1513-4-PASS



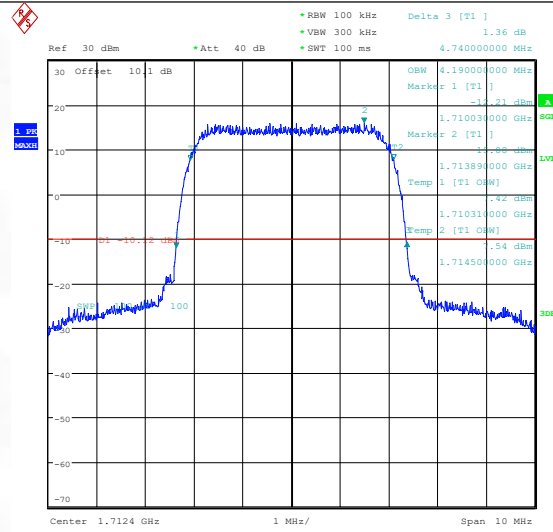
Date: 14.JUN.2025 04:29:12

Band4-1312-1-PASS



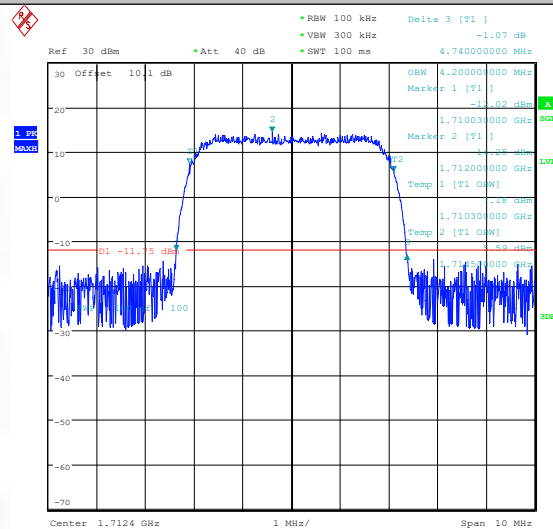
Date: 14.JUN.2025 04:32:34

Band4-1312-2-PASS



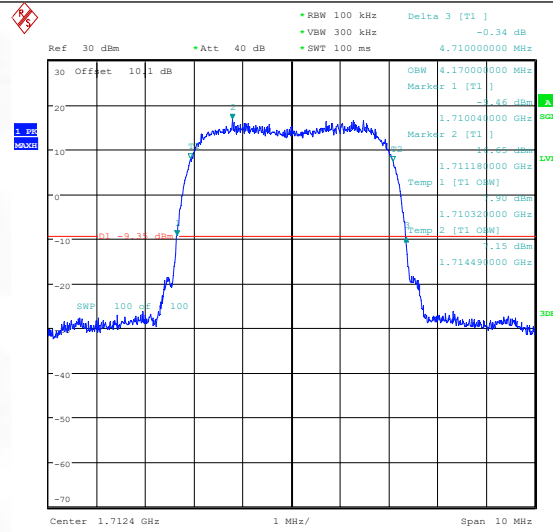
Date: 14.JUN.2025 04:36:09

Band4-1312-3-PASS



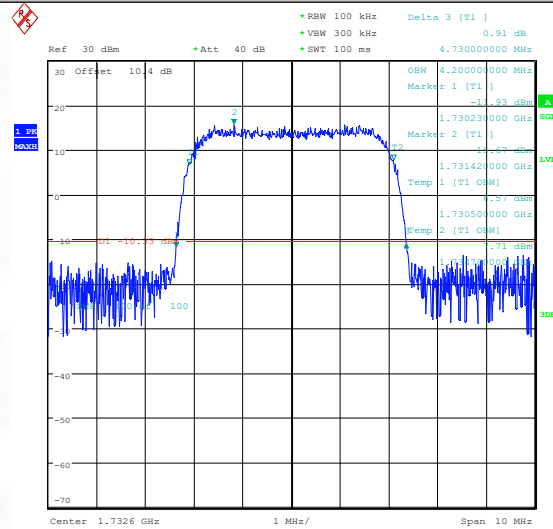
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Band4-1312-4-PASS



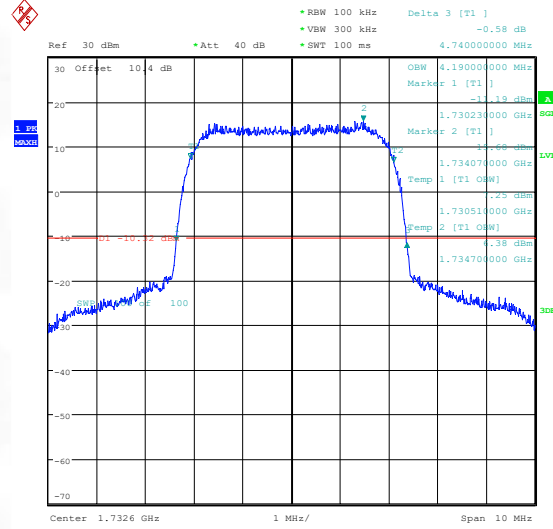
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Band4-1312-5-PASS



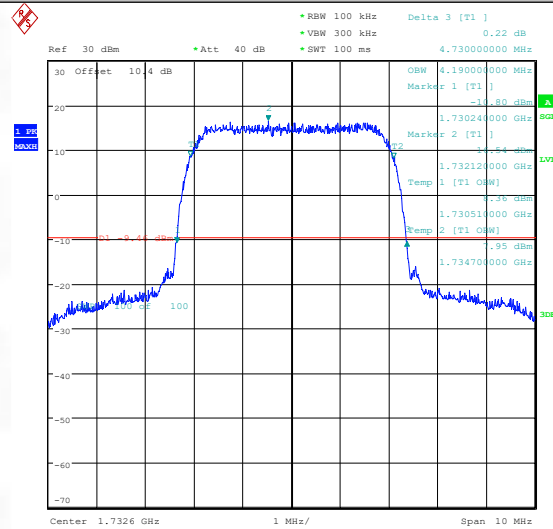
Date: 14.JUN.2025 04:30:24

Band4-1413-1-PASS



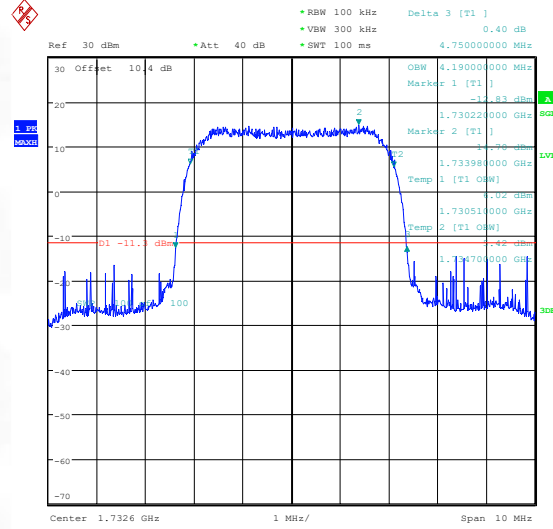
Date: 14.JUN.2025 04:33:47

Band4-1413-2-PASS



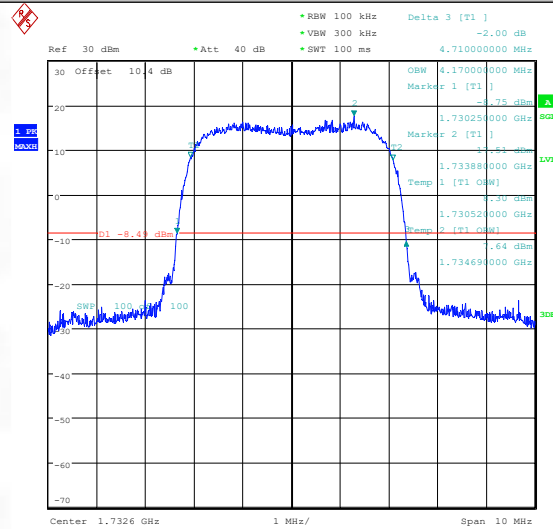
Date: 14.JUN.2025 04:37:22

Band4-1413-3-PASS



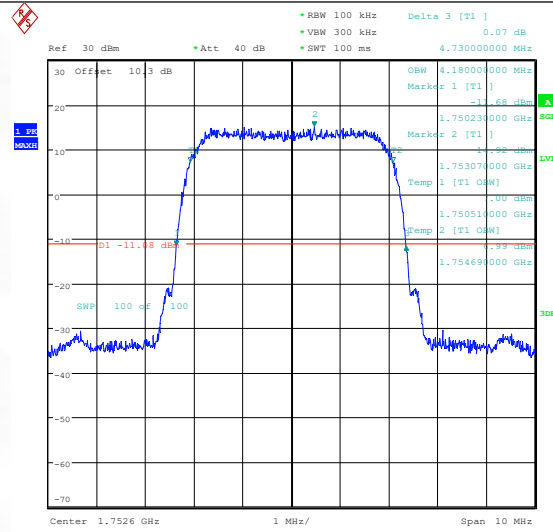
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Band4-1413-4-PASS



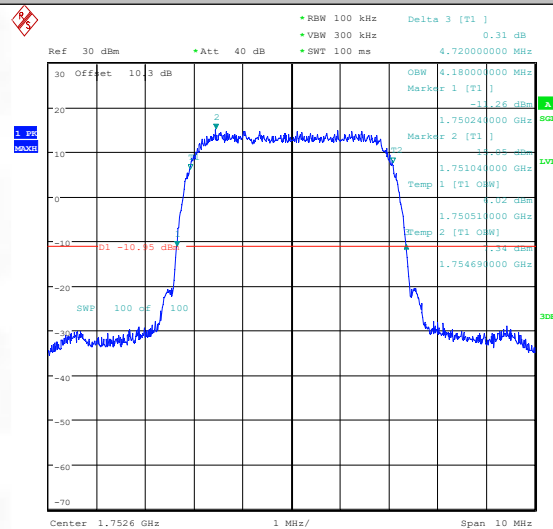
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Band4-1413-5-PASS



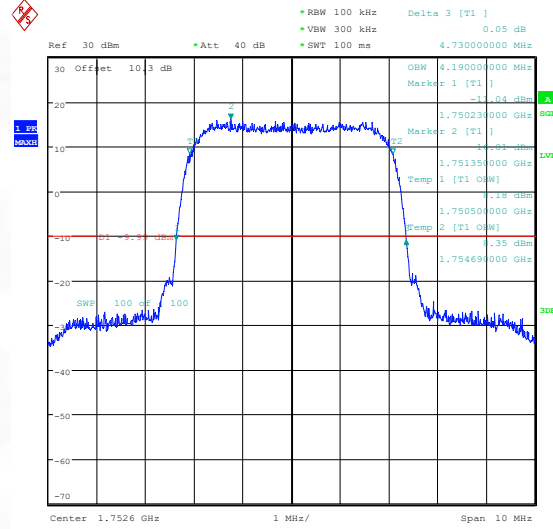
Date: 14.JUN.2025 04:31:38

Band4-1513-1-PASS



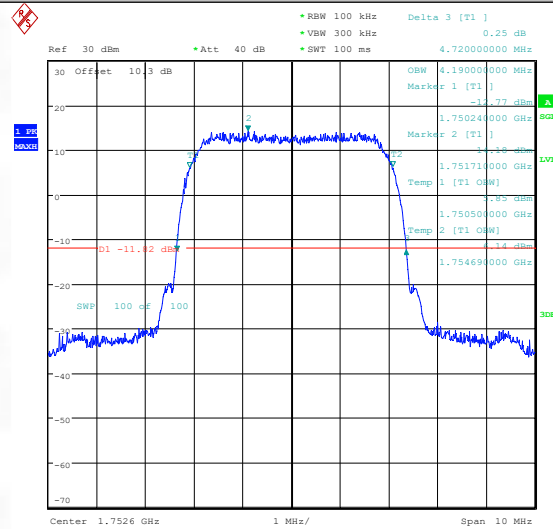
Date: 14.JUN.2025 04:35:13

Band4-1513-2-PASS



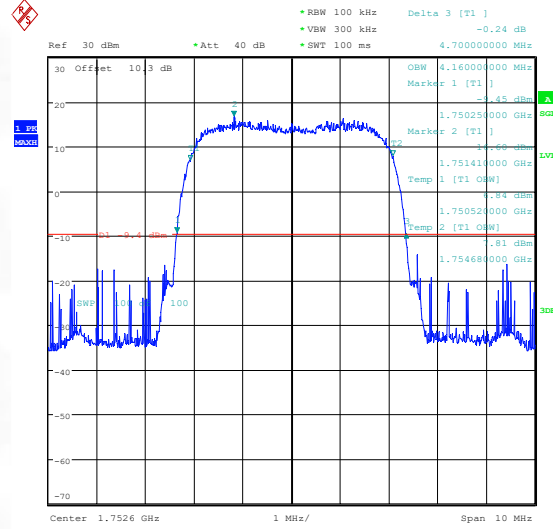
Date: 14.JUN.2025 04:38:38

Band4-1513-3-PASS



Date: 14.JUN.2025 04:42:03

Band4-1513-4-PASS



Date: 14.JUN.2025 04:44:13

Band4-1513-5-PASS

1.4 AppendixD:Band Edge

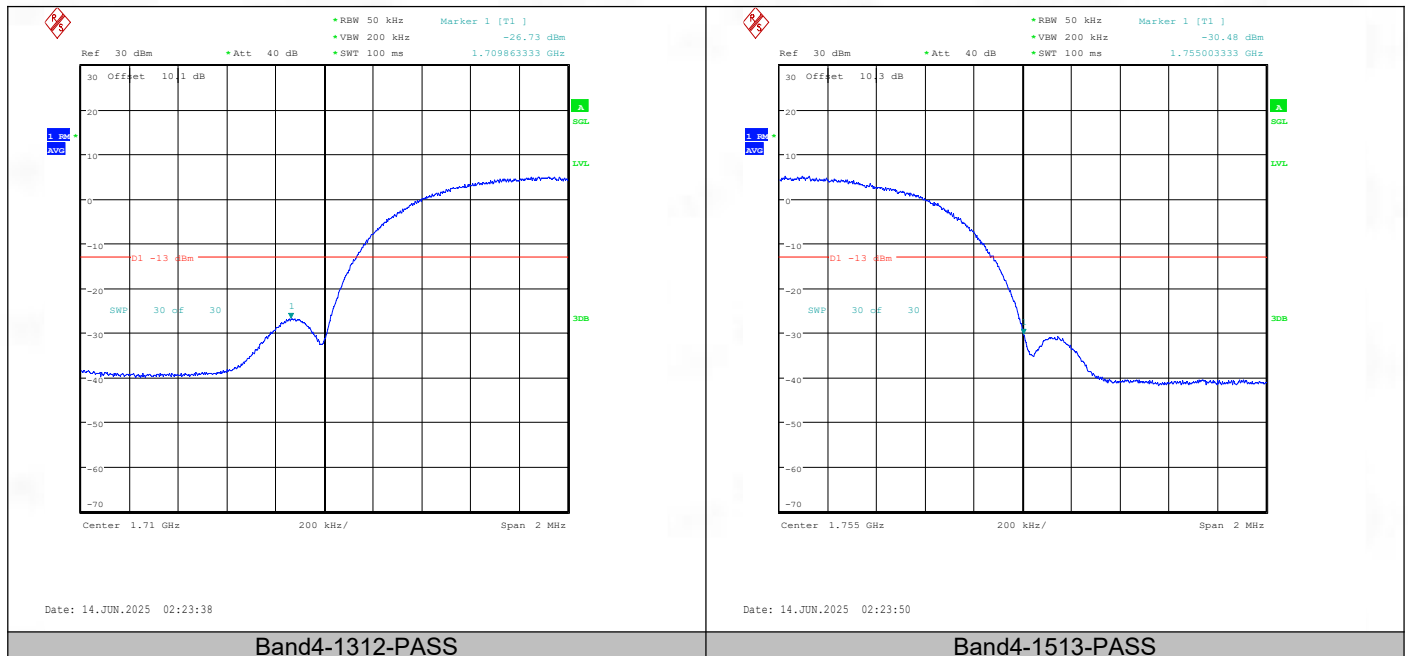
1.4.1 Test Result

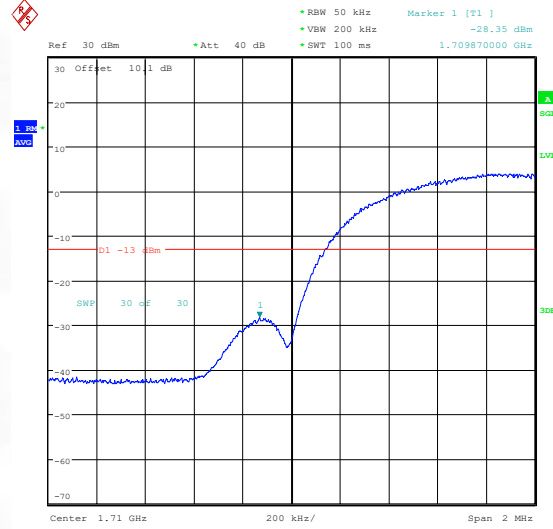
Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band4	1312	1709.86	-26.73	-13	PASS
Band4	1513	1755.00	-30.48	-13	PASS

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band4	1312	1	1709.87	-28.35	-13	PASS
Band4	1312	2	1709.88	-30.54	-13	PASS
Band4	1312	3	1710.00	-30.23	-13	PASS
Band4	1312	4	1710.00	-30.27	-13	PASS
Band4	1513	1	1755.13	-30.24	-13	PASS
Band4	1513	2	1755.13	-30.77	-13	PASS
Band4	1513	3	1755.11	-30.21	-13	PASS
Band4	1513	4	1755.11	-30.19	-13	PASS

Band	Channel	SubTest	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band4	1312	1	1709.86	-31.81	-13	PASS
Band4	1312	2	1710.00	-31.59	-13	PASS
Band4	1312	3	1709.88	-29.99	-13	PASS
Band4	1312	4	1709.87	-31.91	-13	PASS
Band4	1312	5	1709.89	-30.28	-13	PASS
Band4	1513	1	1755.13	-32.65	-13	PASS
Band4	1513	2	1755.12	-32.83	-13	PASS
Band4	1513	3	1755.12	-31.15	-13	PASS
Band4	1513	4	1755.13	-31.59	-13	PASS
Band4	1513	5	1755.12	-31.68	-13	PASS

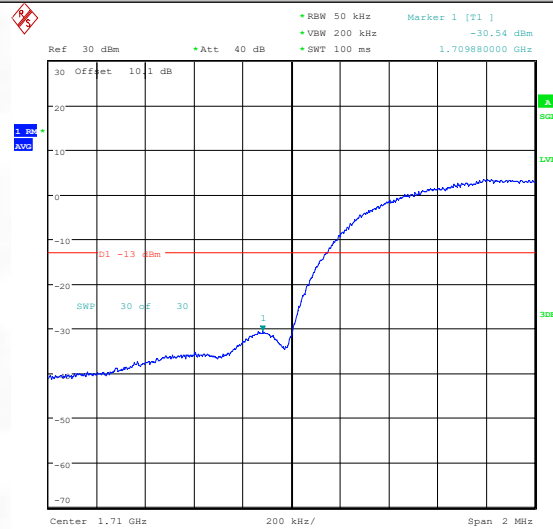
1.4.2 Test Graphs





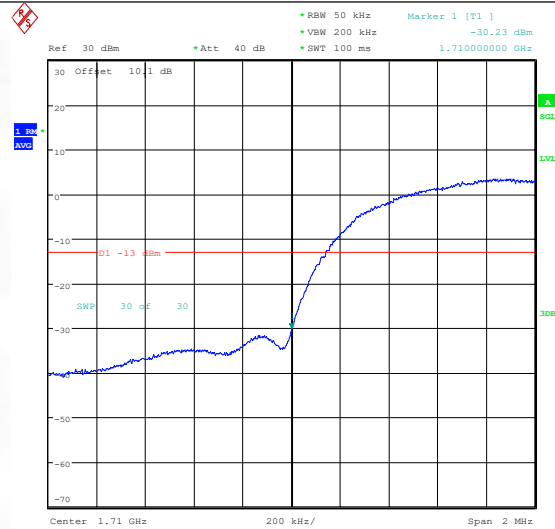
Date: 14.JUN.2025 03:09:44

Band4-1312-1-PASS



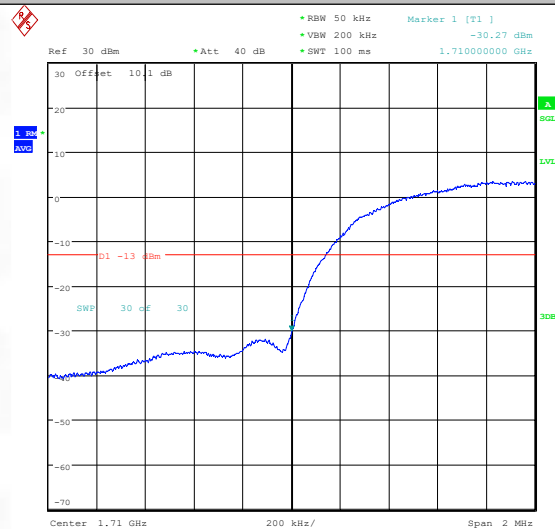
Date: 14.JUN.2025 03:10:35

Band4-1312-2-PASS



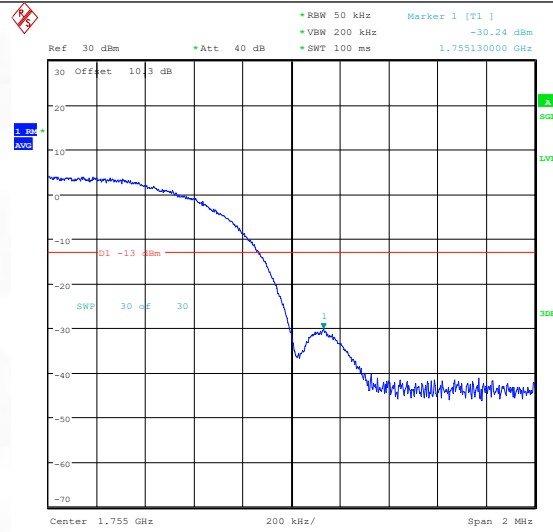
Date: 14.JUN.2025 03:11:26

Band4-1312-3-PASS



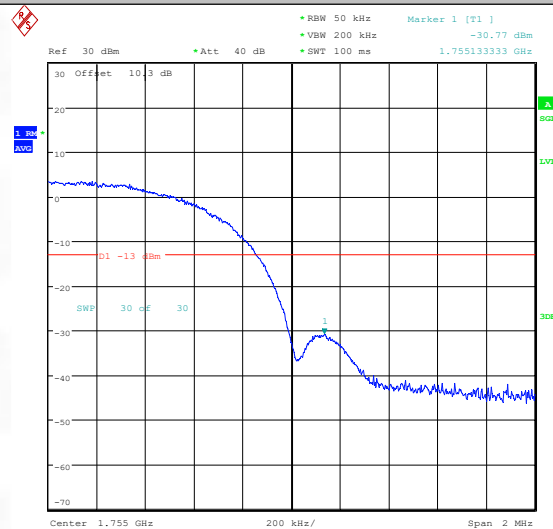
Date: 14.JUN.2025 03:12:17

Band4-1312-4-PASS



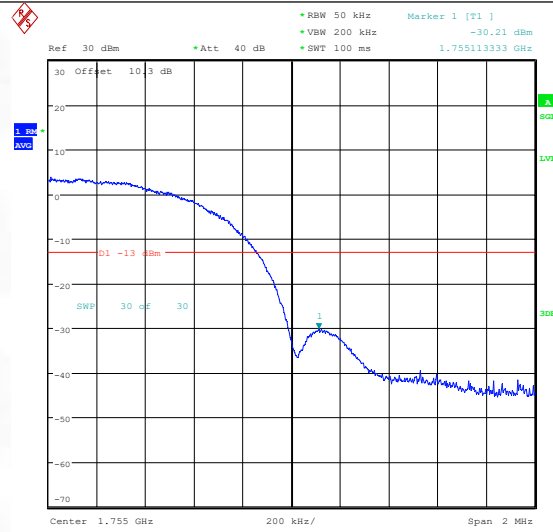
Date: 14.JUN.2025 03:10:02

Band4-1513-1-PASS



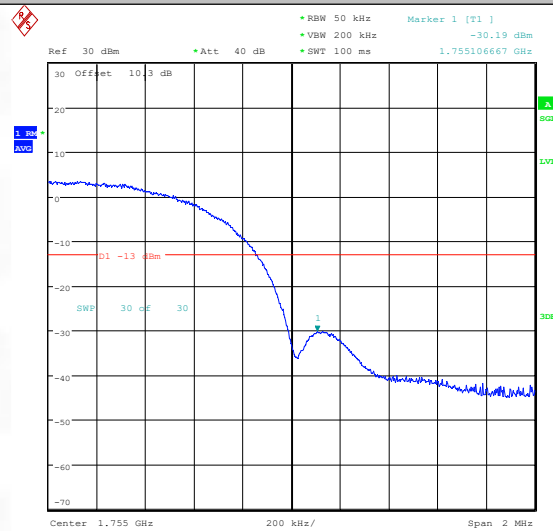
Date: 14.JUN.2025 03:10:53

Band4-1513-2-PASS



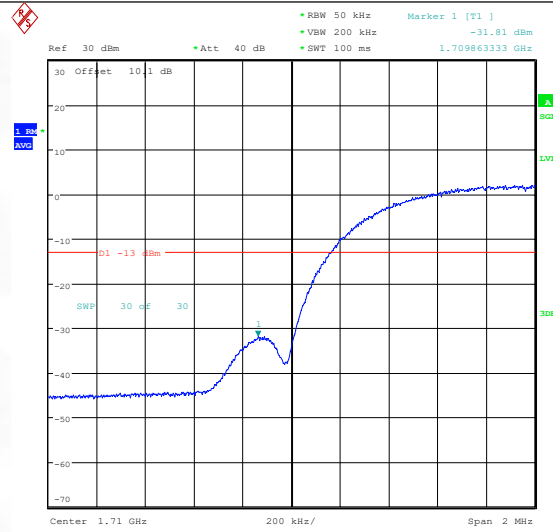
Date: 14.JUN.2025 03:11:44

Band4-1513-3-PASS



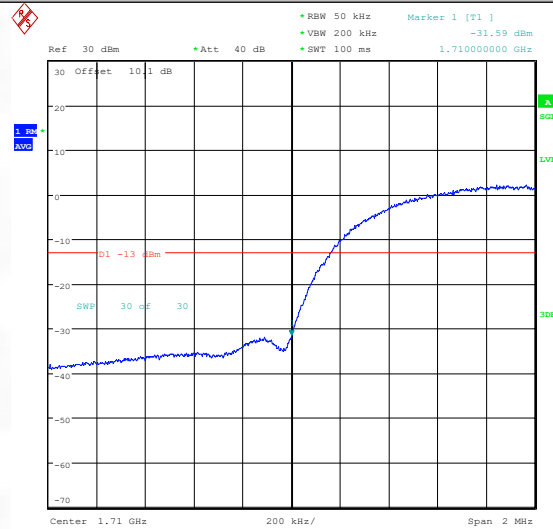
Date: 14.JUN.2025 03:12:35

Band4-1513-4-PASS



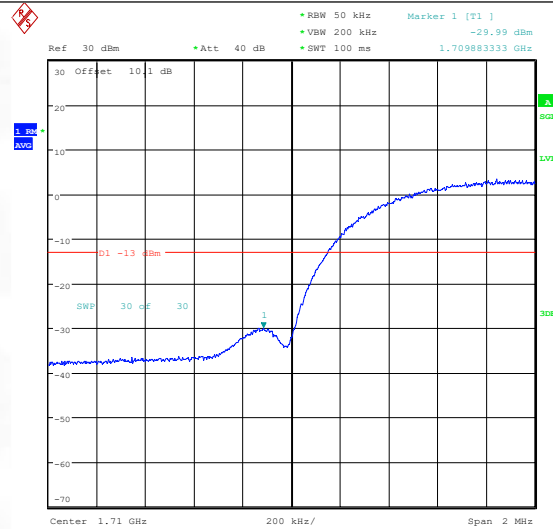
Date: 14.JUN.2025 04:46:04

Band4-1312-1-PASS



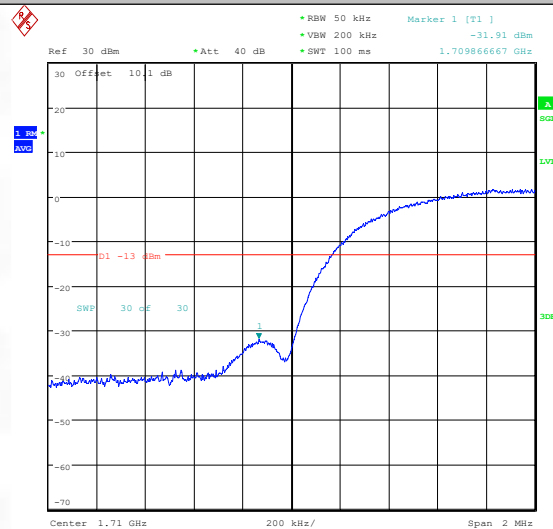
Date: 14.JUN.2025 04:47:52

Band4-1312-2-PASS



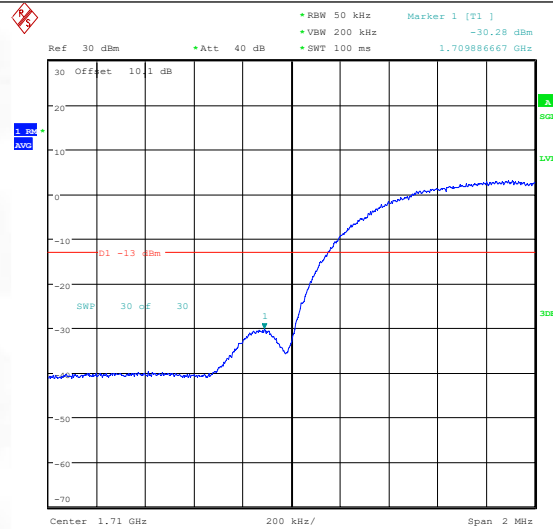
Date: 14.JUN.2025 04:49:34

Band4-1312-3-PASS



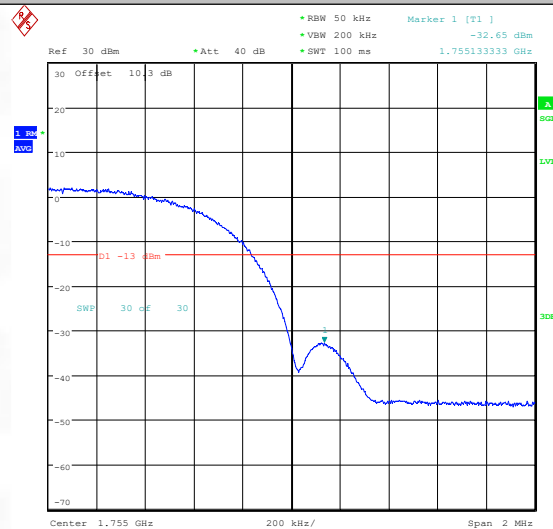
Date: 14.JUN.2025 04:51:16

Band4-1312-4-PASS



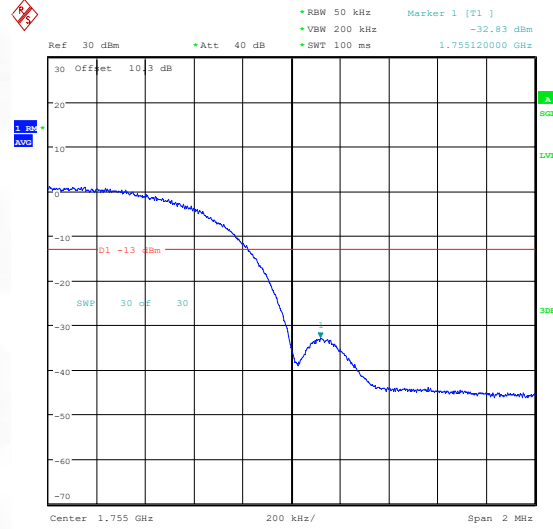
Date: 14.JUN.2025 04:52:55

Band4-1312-5-PASS



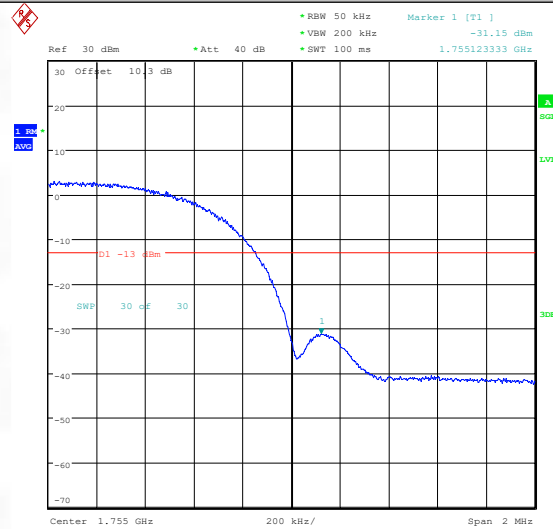
Date: 14.JUN.2025 04:47:08

Band4-1513-1-PASS



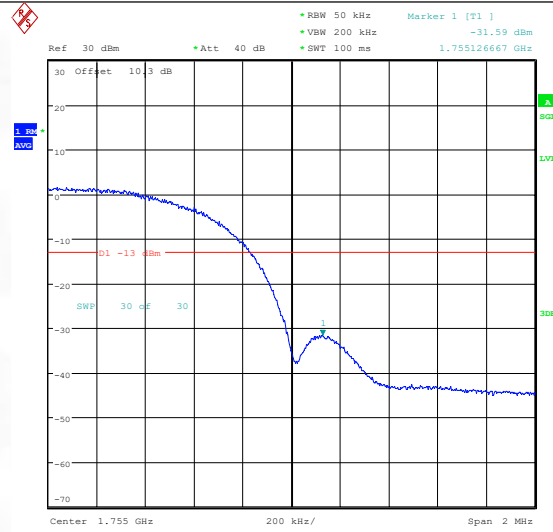
Date: 14.JUN.2025 04:48:48

Band4-1513-2-PASS



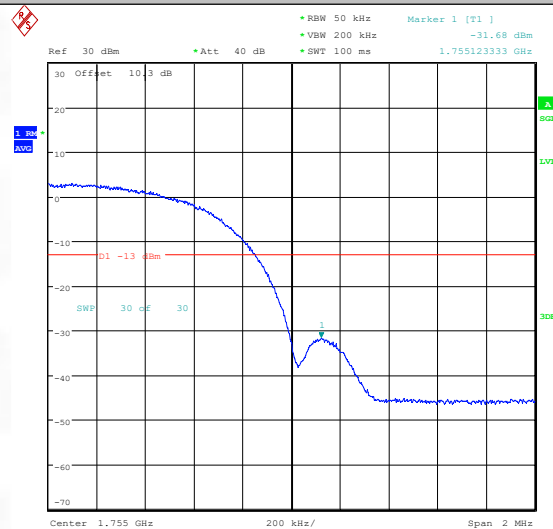
Date: 14.JUN.2025 04:50:31

Band4-1513-3-PASS



Date: 14.JUN.2025 04:52:13

Band4-1513-4-PASS



Date: 14.JUN.2025 04:53:19

Band4-1513-5-PASS

1.5 AppendixE:Conducted SpuriousEmission

1.5.1 Test Result

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band4	1312	0.009~0.15MHz	0.06	-63.97	-43	PASS
Band4	1312	0.15~30MHz	0.15	-59.39	-33	PASS
Band4	1312	30~1000MHz	237.1	-50.93	-13	PASS
Band4	1312	1000~20000MHz	3185	-43.97	-13	PASS
Band4	1413	0.009~0.15MHz	0.06	-63.81	-43	PASS
Band4	1413	0.15~30MHz	0.15	-59.07	-33	PASS
Band4	1413	30~1000MHz	199.75	-50.9	-13	PASS
Band4	1413	1000~20000MHz	3185	-43.89	-13	PASS
Band4	1513	0.009~0.15MHz	0.01	-63.23	-43	PASS
Band4	1513	0.15~30MHz	0.18	-59.07	-33	PASS
Band4	1513	30~1000MHz	240.01	-50.91	-13	PASS
Band4	1513	1000~20000MHz	3185	-43.99	-13	PASS

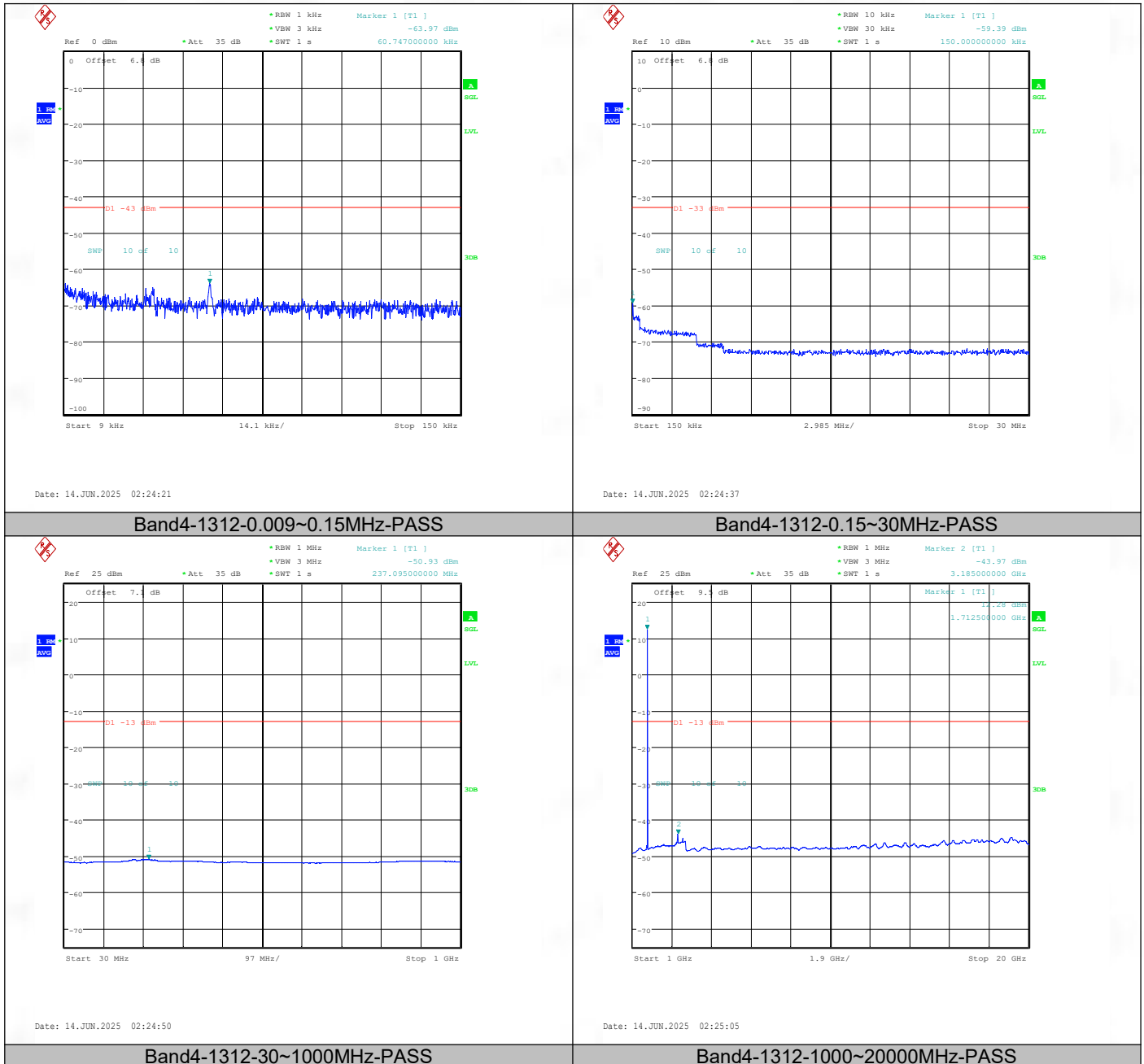
Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band4	1312	1	0.009~0.15MHz	0.06	-63.07	-43	PASS
Band4	1312	1	0.15~30MHz	0.15	-58.97	-33	PASS
Band4	1312	1	30~1000MHz	199.75	-50.94	-13	PASS
Band4	1312	1	1000~20000MHz	3194.5	-44.52	-13	PASS
Band4	1312	2	0.009~0.15MHz	0.01	-63.78	-43	PASS
Band4	1312	2	0.15~30MHz	0.15	-59.27	-33	PASS
Band4	1312	2	30~1000MHz	198.78	-50.93	-13	PASS
Band4	1312	2	1000~20000MHz	3194.5	-44.66	-13	PASS
Band4	1312	3	0.009~0.15MHz	0.01	-63.32	-43	PASS
Band4	1312	3	0.15~30MHz	0.15	-59.05	-33	PASS
Band4	1312	3	30~1000MHz	202.18	-50.96	-13	PASS
Band4	1312	3	1000~20000MHz	3194.5	-44.47	-13	PASS
Band4	1312	4	0.009~0.15MHz	0.06	-63.49	-43	PASS
Band4	1312	4	0.15~30MHz	0.18	-58.71	-33	PASS
Band4	1312	4	30~1000MHz	199.27	-50.92	-13	PASS
Band4	1312	4	1000~20000MHz	3194.5	-44.27	-13	PASS
Band4	1413	1	0.009~0.15MHz	0.06	-63.05	-43	PASS
Band4	1413	1	0.15~30MHz	0.15	-59.05	-33	PASS
Band4	1413	1	30~1000MHz	199.75	-50.92	-13	PASS
Band4	1413	1	1000~20000MHz	3194.5	-44.42	-13	PASS
Band4	1413	2	0.009~0.15MHz	0.06	-63.89	-43	PASS
Band4	1413	2	0.15~30MHz	0.18	-59.97	-33	PASS
Band4	1413	2	30~1000MHz	238.07	-50.93	-13	PASS
Band4	1413	2	1000~20000MHz	3194.5	-44.48	-13	PASS
Band4	1413	3	0.009~0.15MHz	0.01	-62.68	-43	PASS
Band4	1413	3	0.15~30MHz	0.18	-59.51	-33	PASS
Band4	1413	3	30~1000MHz	219.15	-50.92	-13	PASS
Band4	1413	3	1000~20000MHz	3194.5	-44.44	-13	PASS
Band4	1413	4	0.009~0.15MHz	0.01	-63.82	-43	PASS
Band4	1413	4	0.15~30MHz	0.18	-59.44	-33	PASS
Band4	1413	4	30~1000MHz	197.81	-50.94	-13	PASS
Band4	1413	4	1000~20000MHz	3194.5	-44.62	-13	PASS
Band4	1513	1	0.009~0.15MHz	0.01	-63.5	-43	PASS
Band4	1513	1	0.15~30MHz	0.15	-58.78	-33	PASS
Band4	1513	1	30~1000MHz	198.78	-50.96	-13	PASS
Band4	1513	1	1000~20000MHz	3194.5	-44.47	-13	PASS
Band4	1513	2	0.009~0.15MHz	0.06	-63.34	-43	PASS
Band4	1513	2	0.15~30MHz	0.15	-59.19	-33	PASS
Band4	1513	2	30~1000MHz	200.24	-50.91	-13	PASS

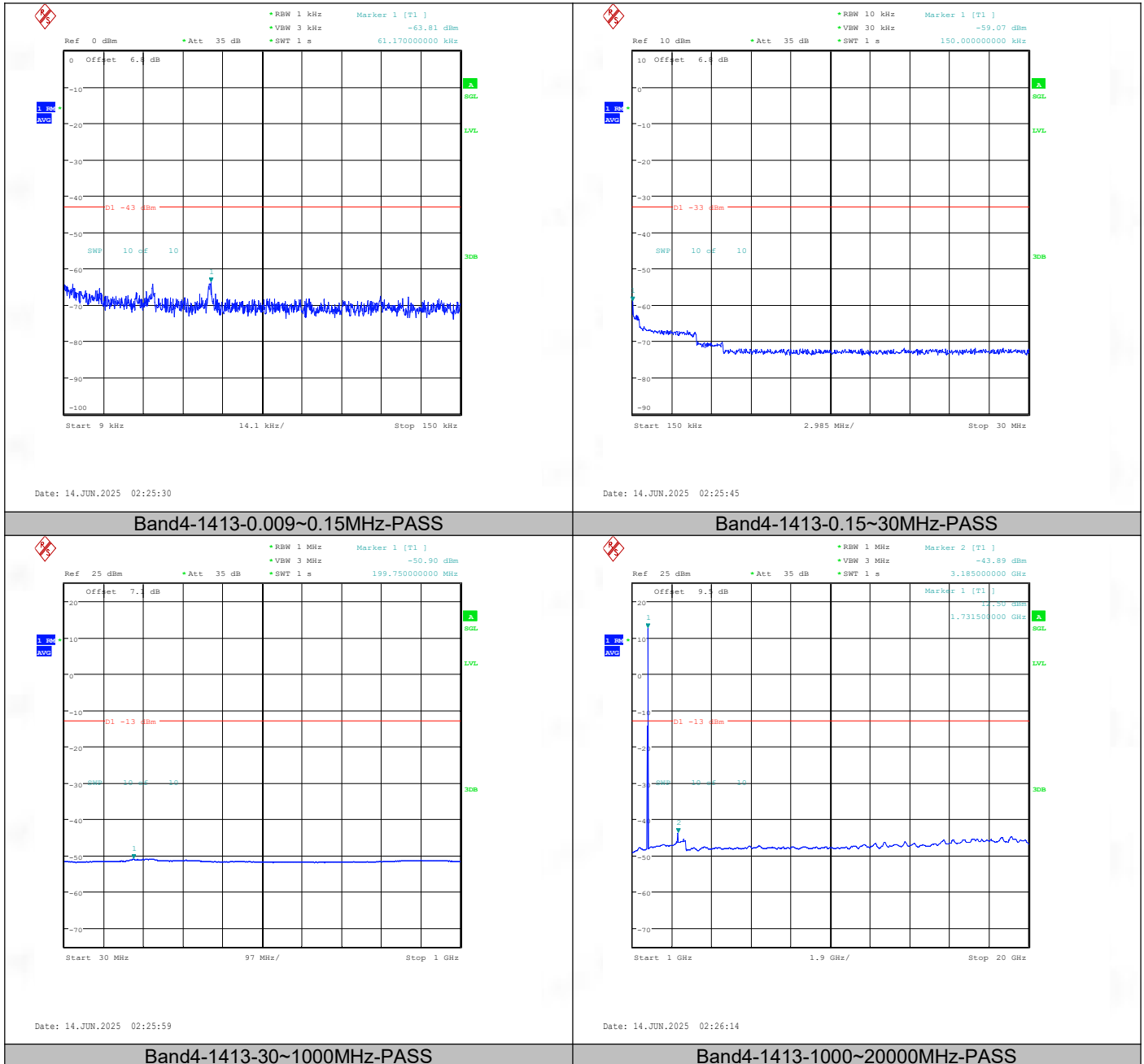
Band4	1513	2	1000~20000MHz	3194.5	-44.36	-13	PASS
Band4	1513	3	0.009~0.15MHz	0.06	-63.71	-43	PASS
Band4	1513	3	0.15~30MHz	0.18	-59.08	-33	PASS
Band4	1513	3	30~1000MHz	234.19	-50.94	-13	PASS
Band4	1513	3	1000~20000MHz	3194.5	-44.43	-13	PASS
Band4	1513	4	0.009~0.15MHz	0.06	-63.13	-43	PASS
Band4	1513	4	0.15~30MHz	0.18	-59.29	-33	PASS
Band4	1513	4	30~1000MHz	232.25	-50.93	-13	PASS
Band4	1513	4	1000~20000MHz	3194.5	-44.31	-13	PASS

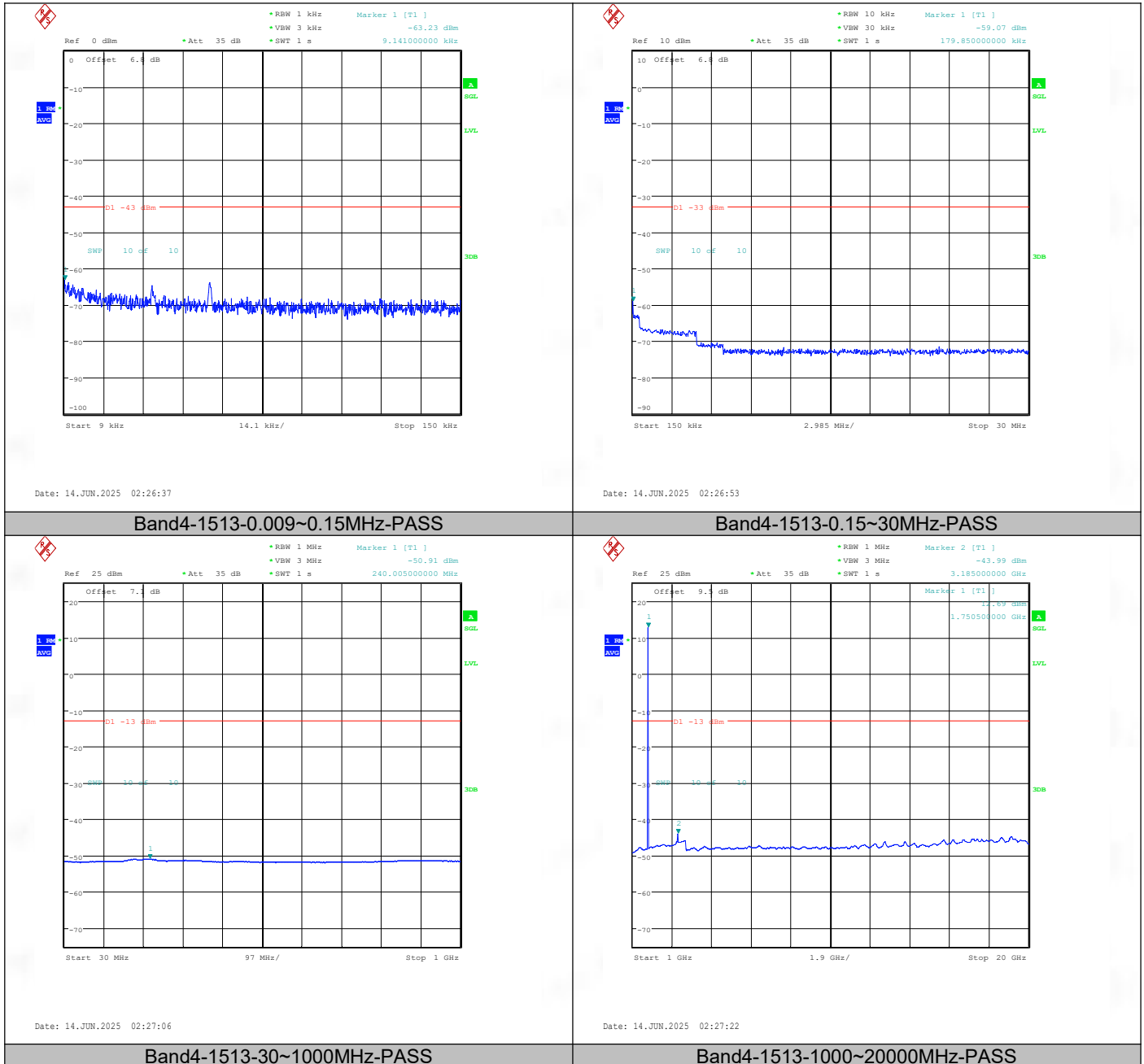
Band	Channel	SubTest	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band4	1312	1	0.009~0.15MHz	0.06	-62.71	-43	PASS
Band4	1312	1	0.15~30MHz	0.15	-58.91	-33	PASS
Band4	1312	1	30~1000MHz	202.18	-50.91	-13	PASS
Band4	1312	1	1000~20000MHz	19173.5	-44.82	-13	PASS
Band4	1312	2	0.009~0.15MHz	0.06	-62.88	-43	PASS
Band4	1312	2	0.15~30MHz	0.18	-59.17	-33	PASS
Band4	1312	2	30~1000MHz	227.88	-50.93	-13	PASS
Band4	1312	2	1000~20000MHz	19154.5	-44.84	-13	PASS
Band4	1312	3	0.009~0.15MHz	0.06	-63.38	-43	PASS
Band4	1312	3	0.15~30MHz	0.15	-59.1	-33	PASS
Band4	1312	3	30~1000MHz	246.31	-50.96	-13	PASS
Band4	1312	3	1000~20000MHz	19164	-44.85	-13	PASS
Band4	1312	4	0.009~0.15MHz	0.06	-63.04	-43	PASS
Band4	1312	4	0.15~30MHz	0.18	-58.89	-33	PASS
Band4	1312	4	30~1000MHz	199.75	-50.93	-13	PASS
Band4	1312	4	1000~20000MHz	19164	-44.84	-13	PASS
Band4	1312	5	0.009~0.15MHz	0.01	-63.67	-43	PASS
Band4	1312	5	0.15~30MHz	0.15	-58.99	-33	PASS
Band4	1312	5	30~1000MHz	199.27	-50.94	-13	PASS
Band4	1312	5	1000~20000MHz	19145	-44.86	-13	PASS
Band4	1413	1	0.009~0.15MHz	0.06	-62.81	-43	PASS
Band4	1413	1	0.15~30MHz	0.18	-59.2	-33	PASS
Band4	1413	1	30~1000MHz	199.75	-50.92	-13	PASS
Band4	1413	1	1000~20000MHz	19154.5	-44.79	-13	PASS
Band4	1413	2	0.009~0.15MHz	0.06	-63.86	-43	PASS
Band4	1413	2	0.15~30MHz	0.15	-59.14	-33	PASS
Band4	1413	2	30~1000MHz	203.15	-50.97	-13	PASS
Band4	1413	2	1000~20000MHz	2444	-44.79	-13	PASS
Band4	1413	3	0.009~0.15MHz	0.01	-62.98	-43	PASS
Band4	1413	3	0.15~30MHz	0.18	-59.35	-33	PASS
Band4	1413	3	30~1000MHz	245.83	-50.95	-13	PASS
Band4	1413	3	1000~20000MHz	19164	-44.79	-13	PASS
Band4	1413	4	0.009~0.15MHz	0.06	-63.38	-43	PASS
Band4	1413	4	0.15~30MHz	0.18	-58.95	-33	PASS
Band4	1413	4	30~1000MHz	200.72	-50.96	-13	PASS
Band4	1413	4	1000~20000MHz	19164	-44.86	-13	PASS
Band4	1413	5	0.009~0.15MHz	0.06	-63	-43	PASS
Band4	1413	5	0.15~30MHz	0.18	-59.62	-33	PASS
Band4	1413	5	30~1000MHz	200.24	-50.92	-13	PASS
Band4	1413	5	1000~20000MHz	2444	-44.77	-13	PASS
Band4	1513	1	0.009~0.15MHz	0.06	-63.25	-43	PASS
Band4	1513	1	0.15~30MHz	0.18	-58.9	-33	PASS
Band4	1513	1	30~1000MHz	201.21	-50.95	-13	PASS
Band4	1513	1	1000~20000MHz	2444	-44.76	-13	PASS
Band4	1513	2	0.009~0.15MHz	0.01	-63.06	-43	PASS
Band4	1513	2	0.15~30MHz	0.15	-58.7	-33	PASS
Band4	1513	2	30~1000MHz	236.13	-50.95	-13	PASS

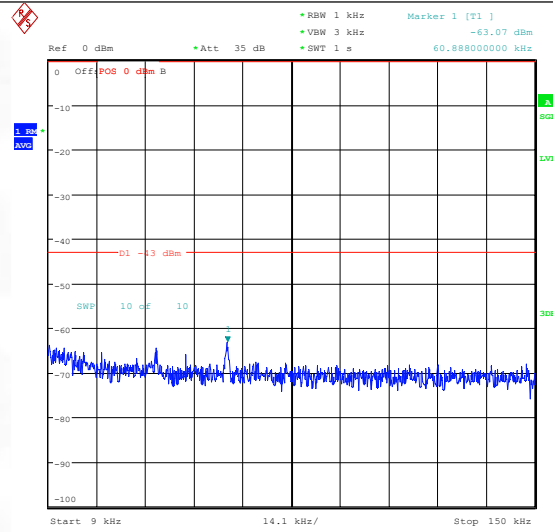
Band4	1513	2	1000~20000MHz	19164	-44.83	-13	PASS
Band4	1513	3	0.009~0.15MHz	0.06	-62.44	-43	PASS
Band4	1513	3	0.15~30MHz	0.15	-59.11	-33	PASS
Band4	1513	3	30~1000MHz	204.12	-50.96	-13	PASS
Band4	1513	3	1000~20000MHz	19164	-44.82	-13	PASS
Band4	1513	4	0.009~0.15MHz	0.06	-62.61	-43	PASS
Band4	1513	4	0.15~30MHz	0.18	-58.68	-33	PASS
Band4	1513	4	30~1000MHz	235.64	-50.91	-13	PASS
Band4	1513	4	1000~20000MHz	19173.5	-44.8	-13	PASS
Band4	1513	5	0.009~0.15MHz	0.01	-63.32	-43	PASS
Band4	1513	5	0.15~30MHz	0.18	-59.5	-33	PASS
Band4	1513	5	30~1000MHz	198.78	-50.93	-13	PASS
Band4	1513	5	1000~20000MHz	3194.5	-44.79	-13	PASS

1.5.2 Test Graphs



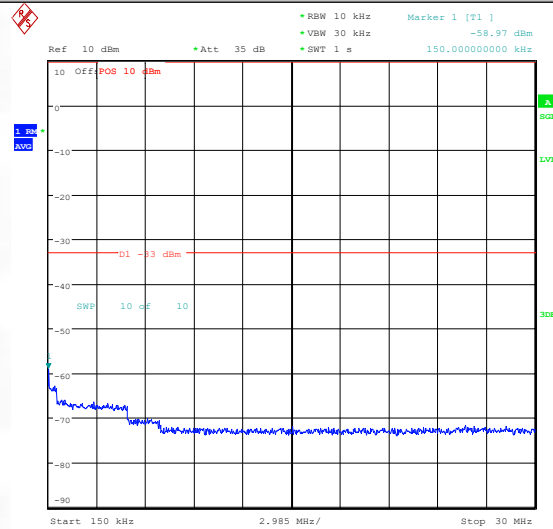






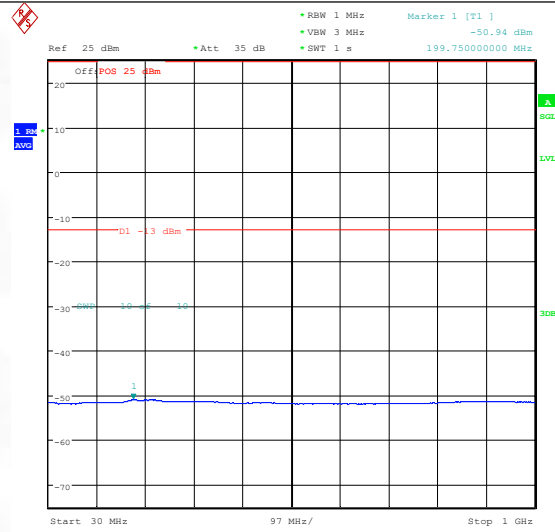
Date: 14.JUN.2025 03:13:21

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



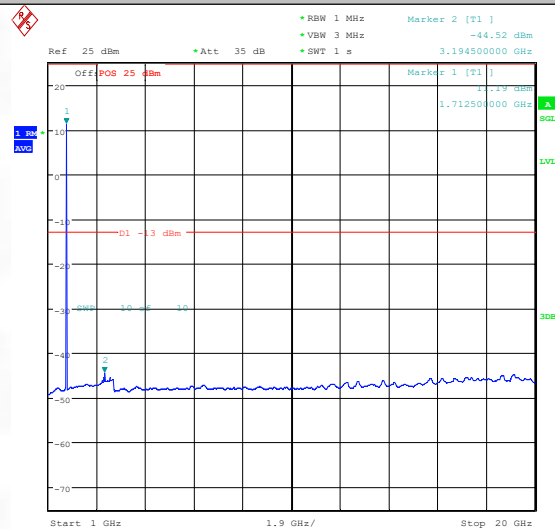
Date: 14.JUN.2025 03:13:39

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



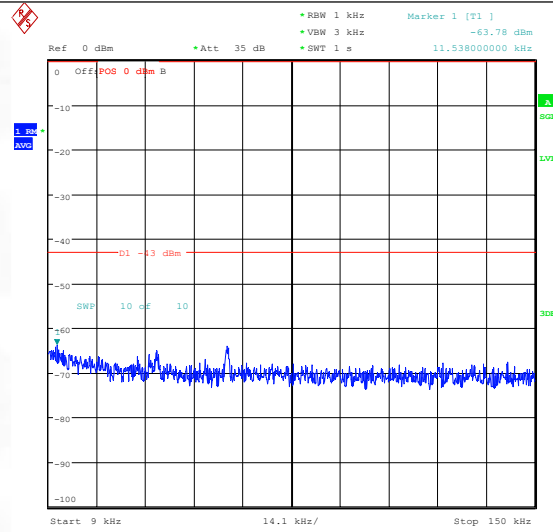
Date: 14.JUN.2025 03:13:55

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



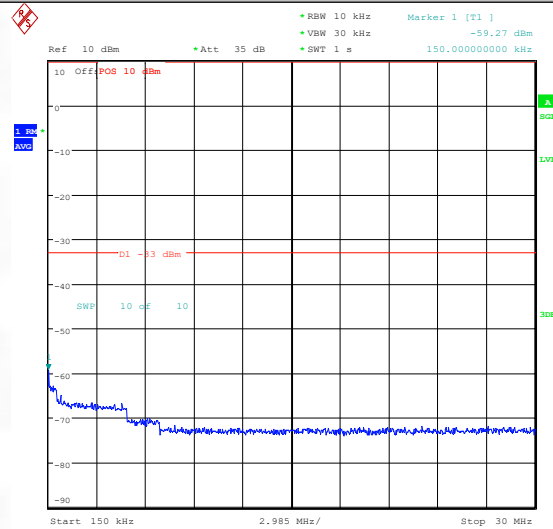
Date: 14.JUN.2025 03:14:12

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



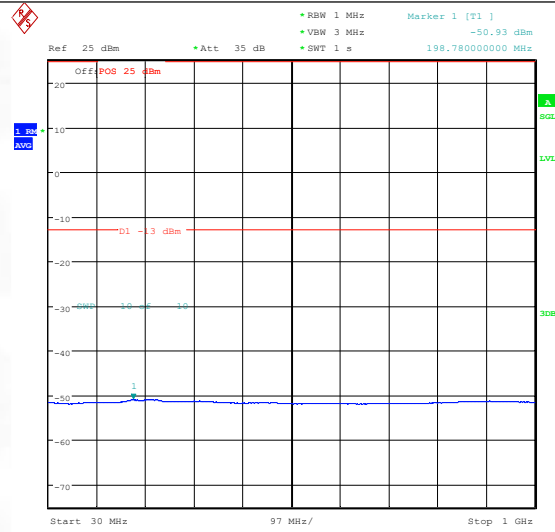
Date: 14.JUN.2025 03:17:39

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



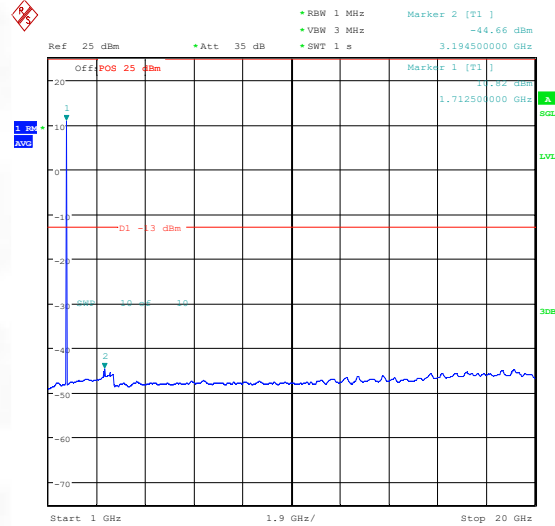
Date: 14.JUN.2025 03:17:56

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



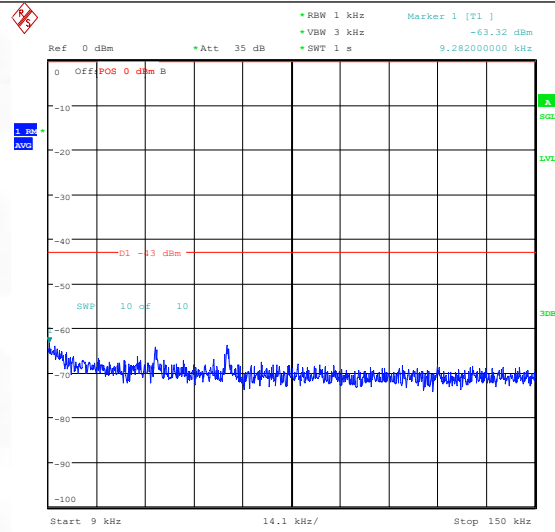
Date: 14.JUN.2025 03:18:12

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



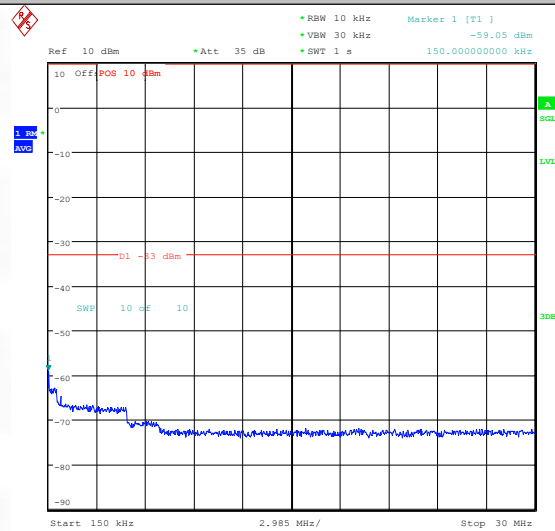
Date: 14.JUN.2025 03:18:29

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



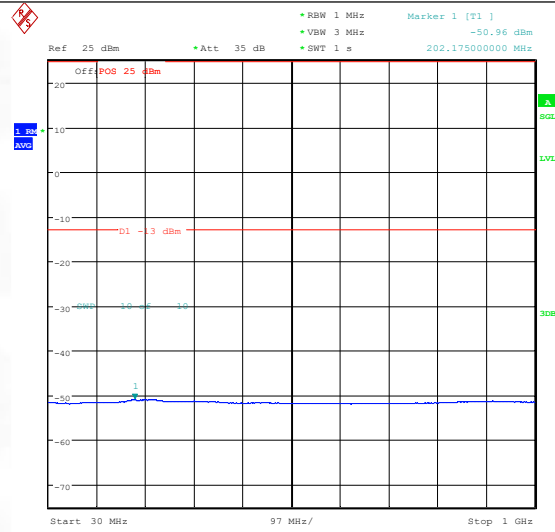
Date: 14.JUN.2025 03:21:40

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



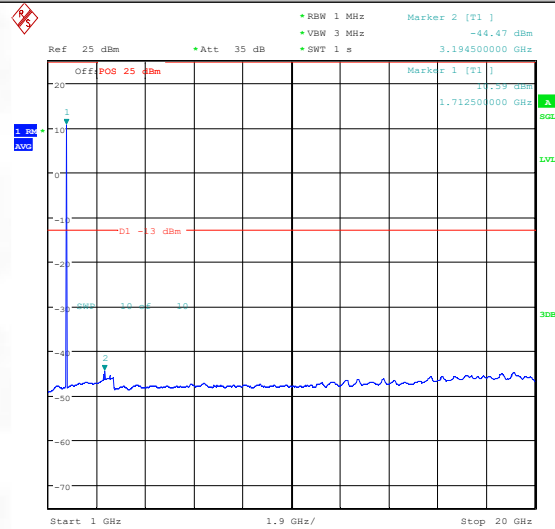
Date: 14.JUN.2025 03:21:56

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



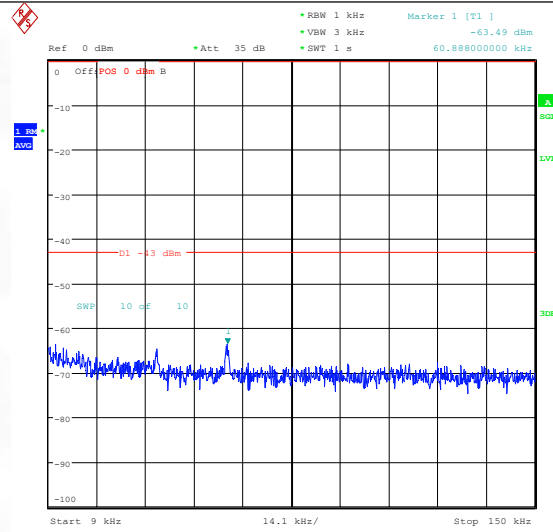
Date: 14.JUN.2025 03:22:13

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



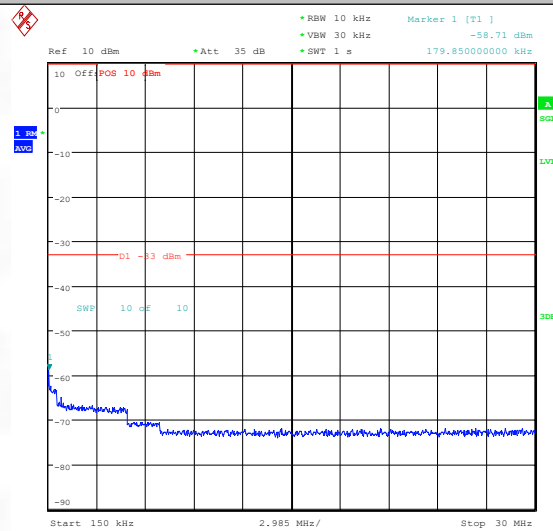
Date: 14.JUN.2025 03:22:30

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



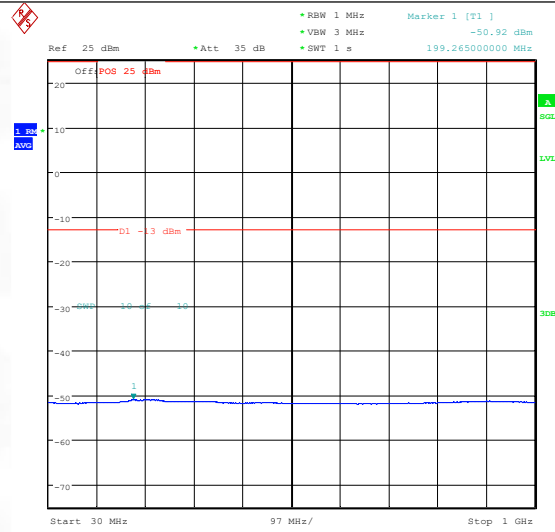
Date: 14.JUN.2025 03:25:41

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



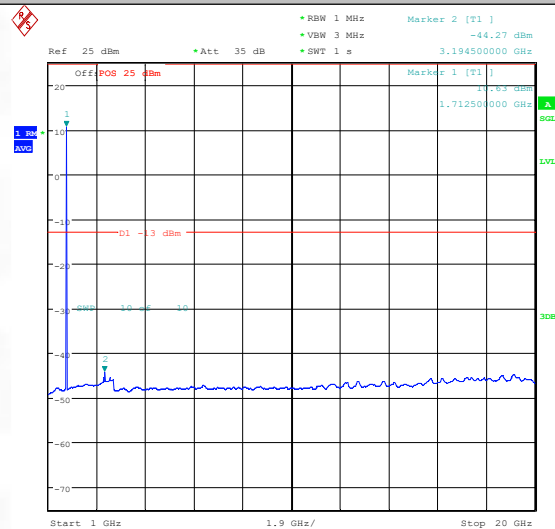
Date: 14.JUN.2025 03:25:57

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



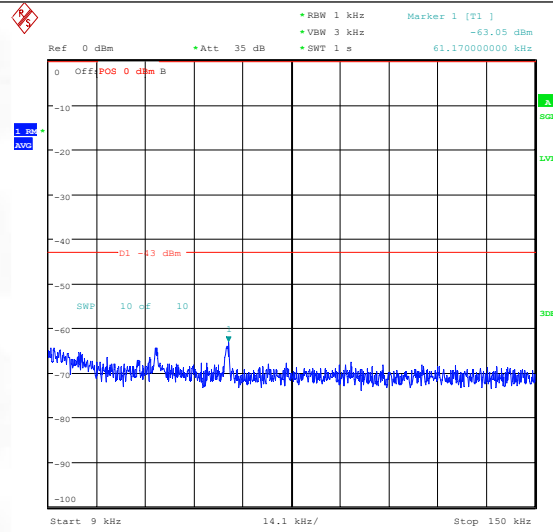
Date: 14.JUN.2025 03:26:14

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



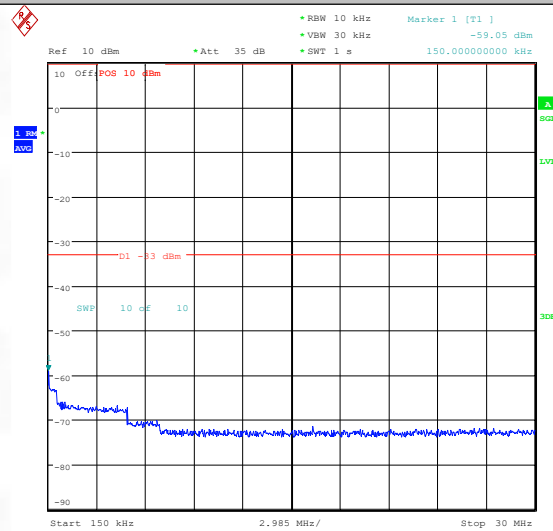
Date: 14.JUN.2025 03:26:30

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



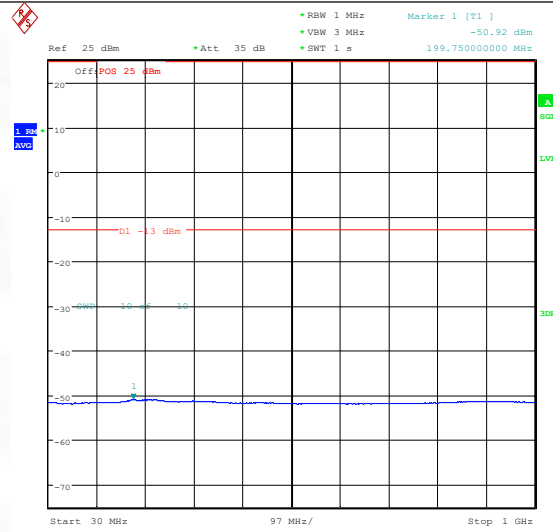
Date: 14.JUN.2025 03:14:38

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



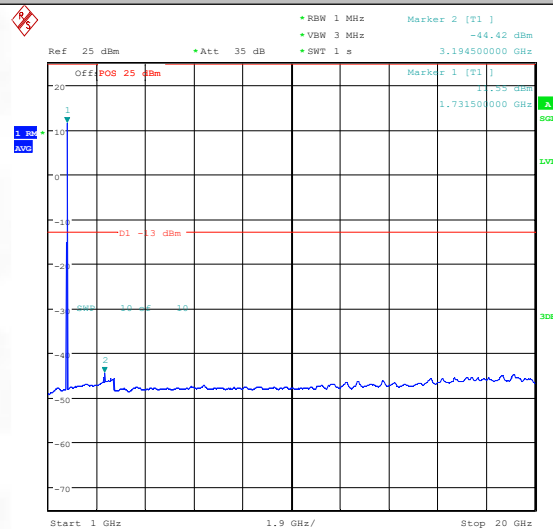
Date: 14.JUN.2025 03:14:55

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



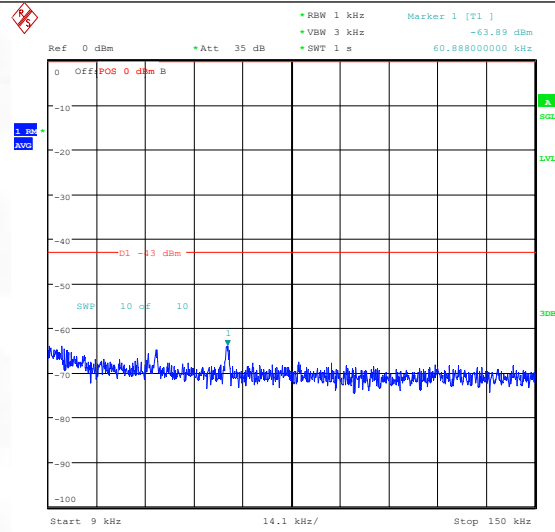
Date: 14.JUN.2025 03:15:11

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



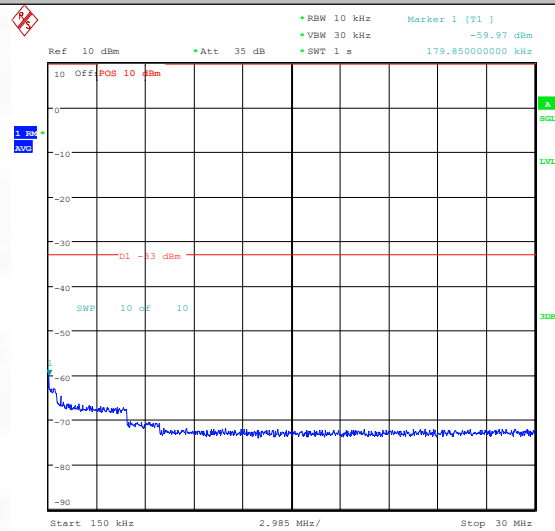
Date: 14.JUN.2025 03:15:28

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



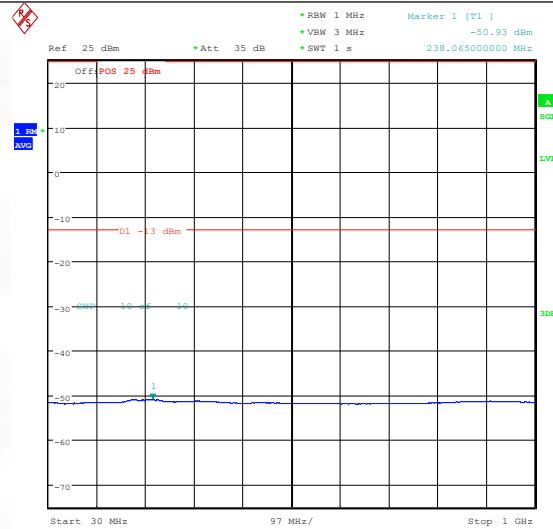
Date: 14.JUN.2025 03:18:56

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



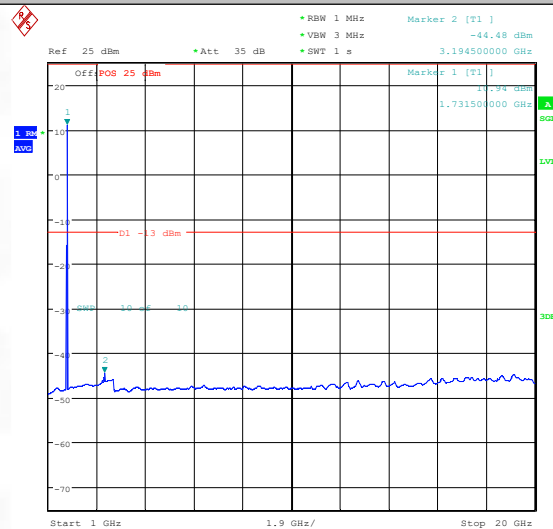
Date: 14.JUN.2025 03:19:12

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



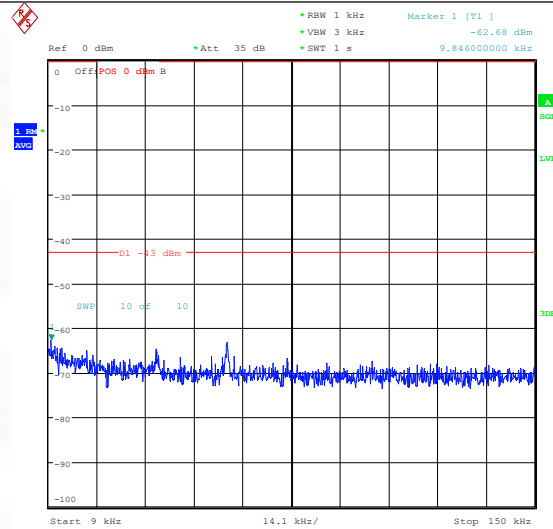
Date: 14.JUN.2025 03:19:29

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



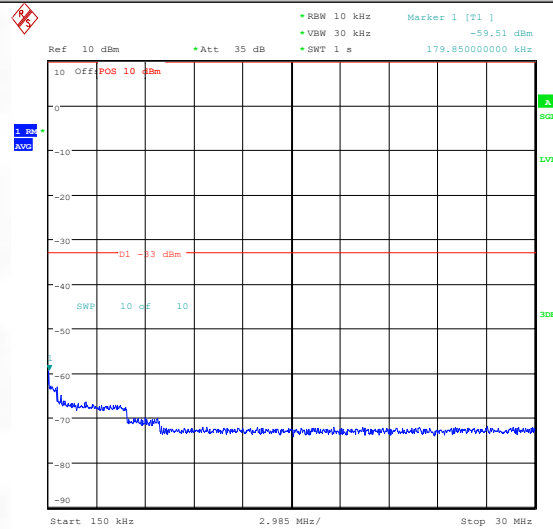
Date: 14.JUN.2025 03:19:45

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



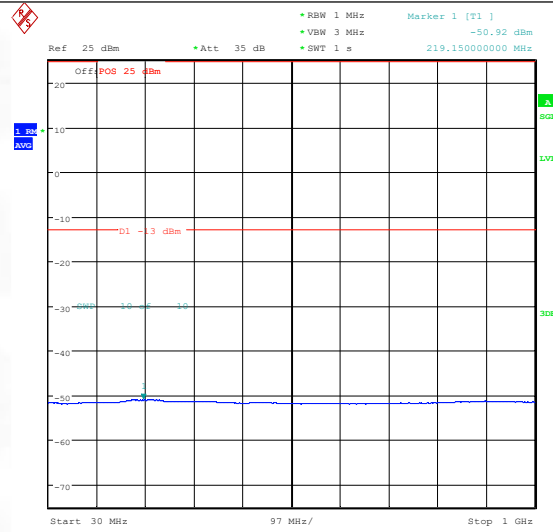
Date: 14.JUN.2025 03:22:56

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



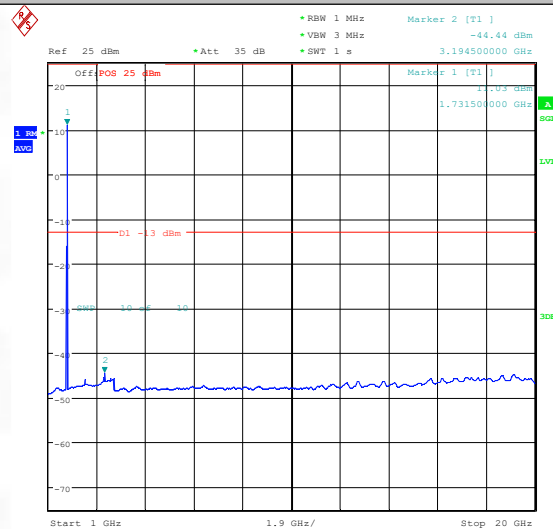
Date: 14.JUN.2025 03:23:13

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



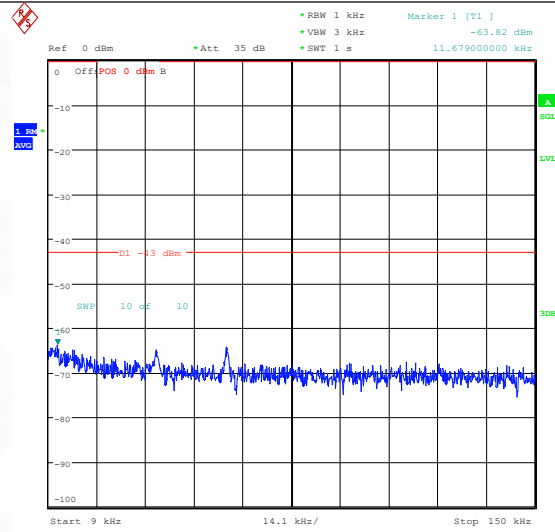
Date: 14.JUN.2025 03:23:29

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



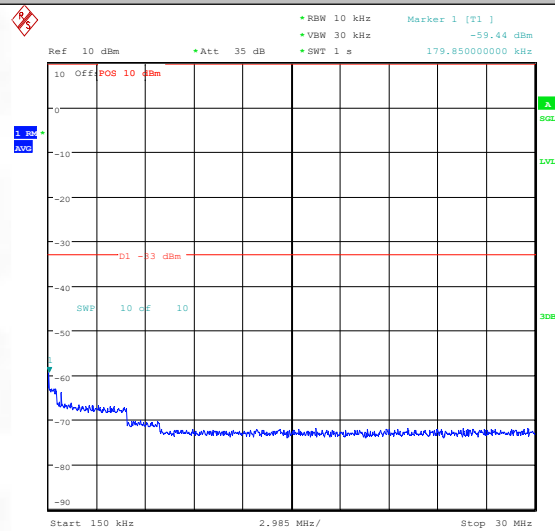
Date: 14.JUN.2025 03:23:46

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



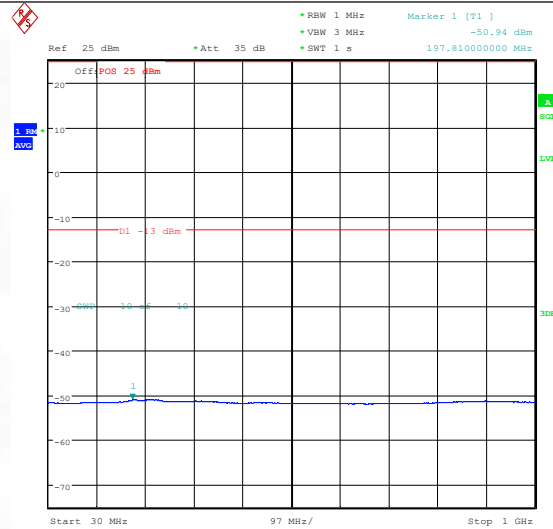
Date: 14.JUN.2025 03:26:57

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



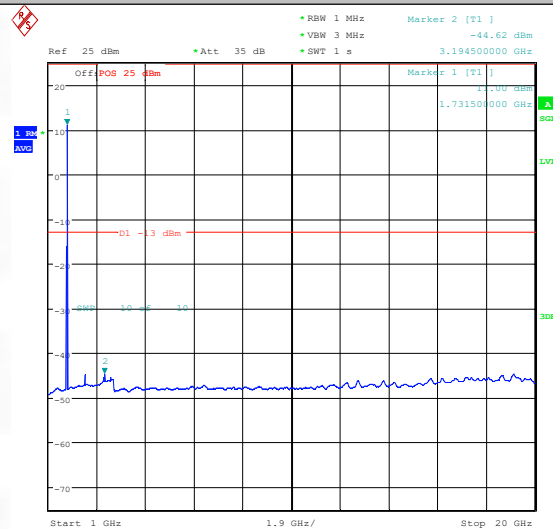
Date: 14.JUN.2025 03:27:13

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



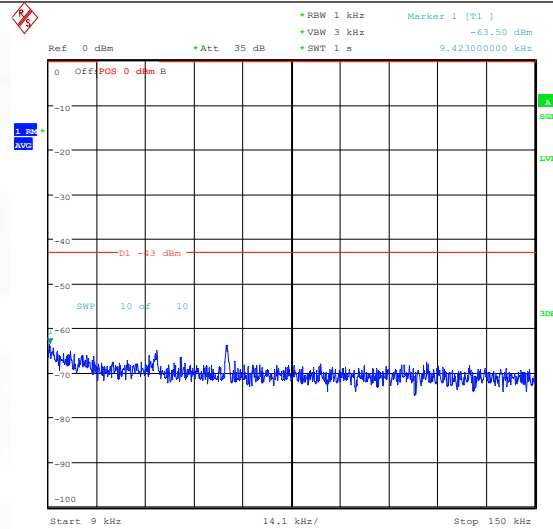
Date: 14.JUN.2025 03:27:30

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



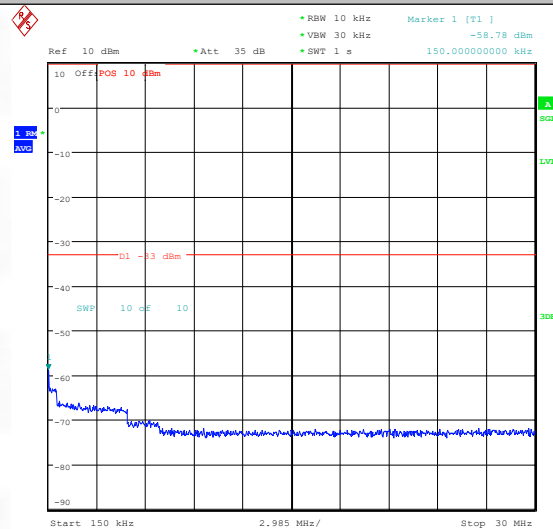
Date: 14.JUN.2025 03:27:47

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



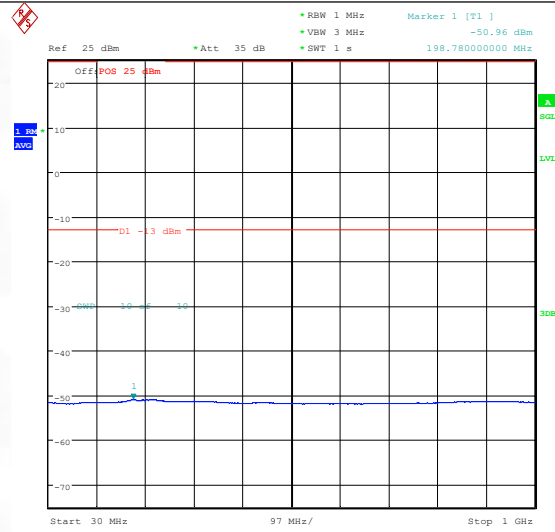
Date: 14.JUN.2025 03:15:53

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



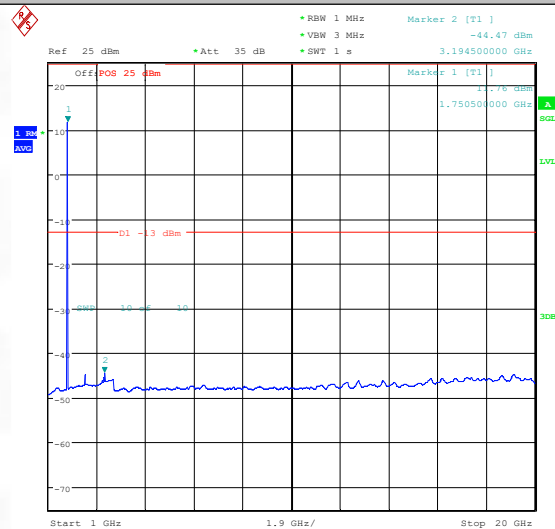
Date: 14.JUN.2025 03:16:10

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



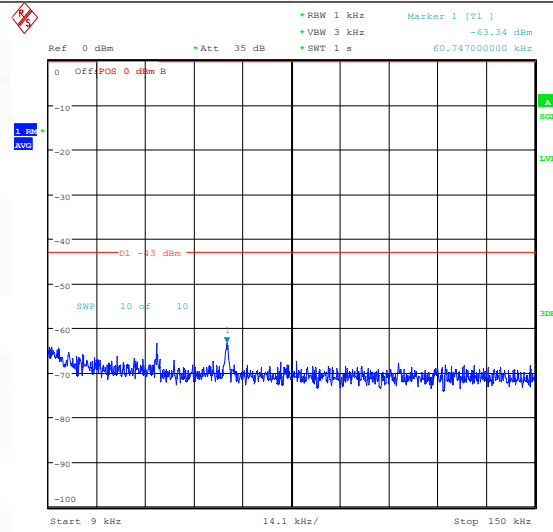
Date: 14.JUN.2025 03:16:28

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



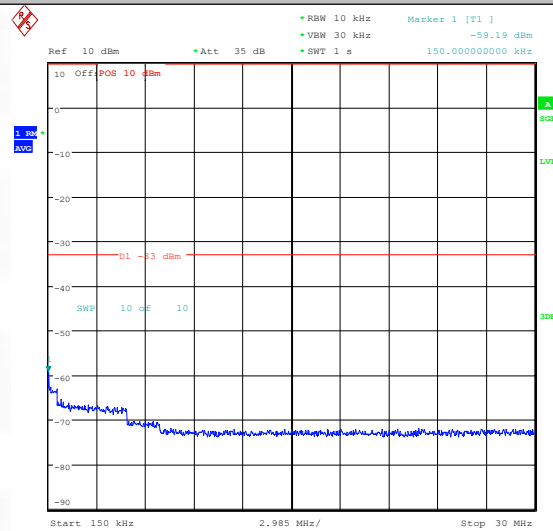
Date: 14.JUN.2025 03:16:44

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



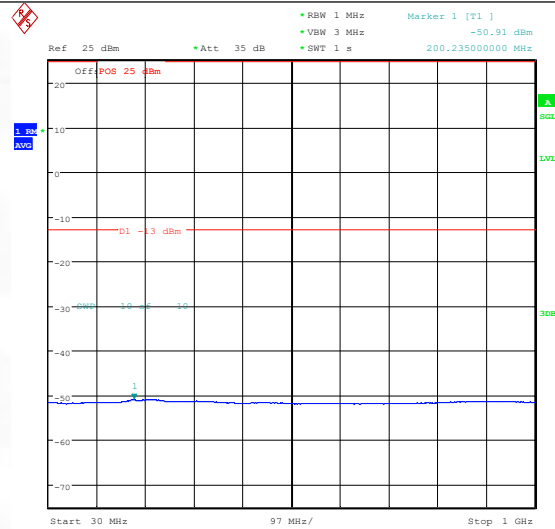
Date: 14.JUN.2025 03:20:10

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



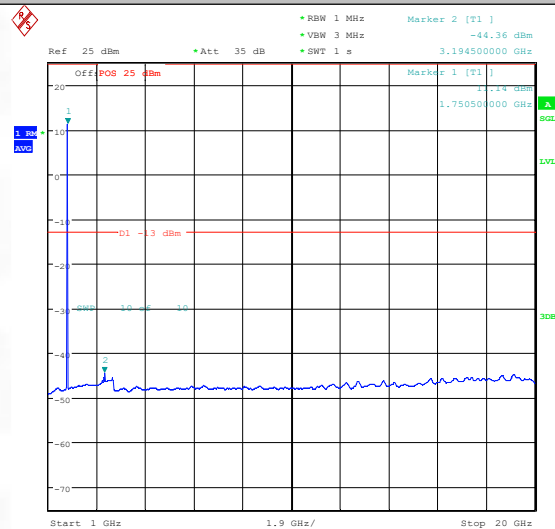
Date: 14.JUN.2025 03:20:27

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



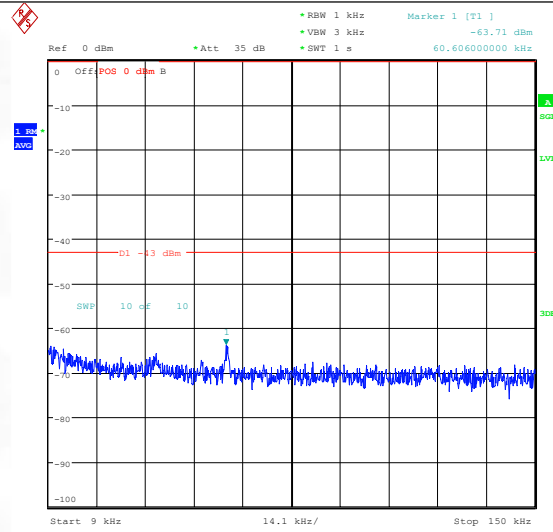
Date: 14.JUN.2025 03:20:43

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



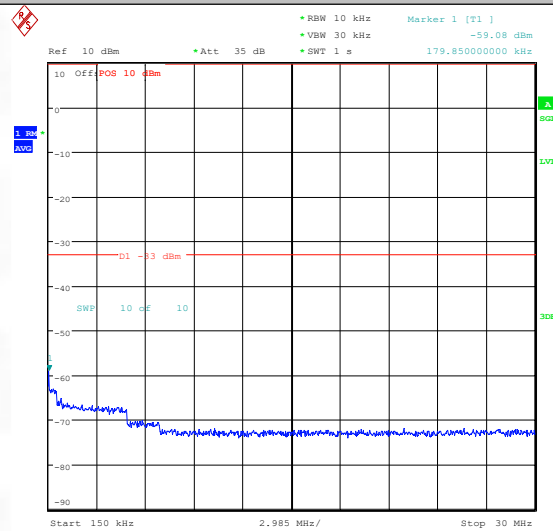
Date: 14.JUN.2025 03:21:00

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



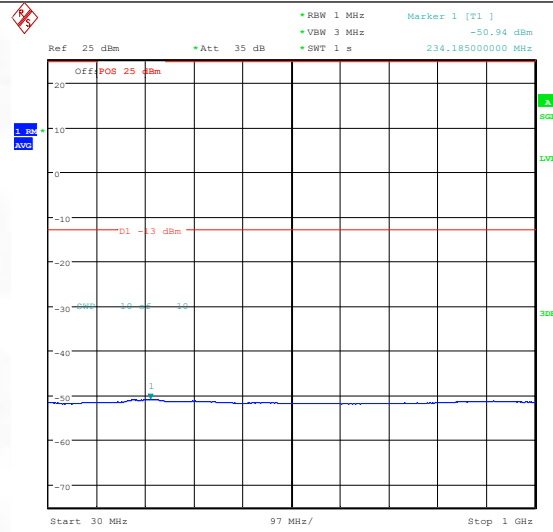
Date: 14.JUN.2025 03:24:11

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



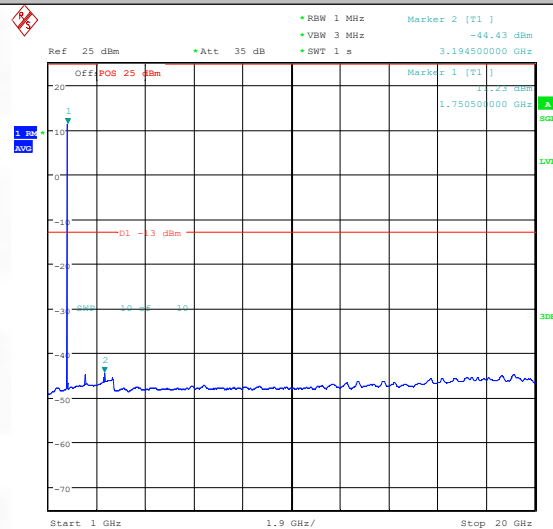
Date: 14.JUN.2025 03:24:27

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



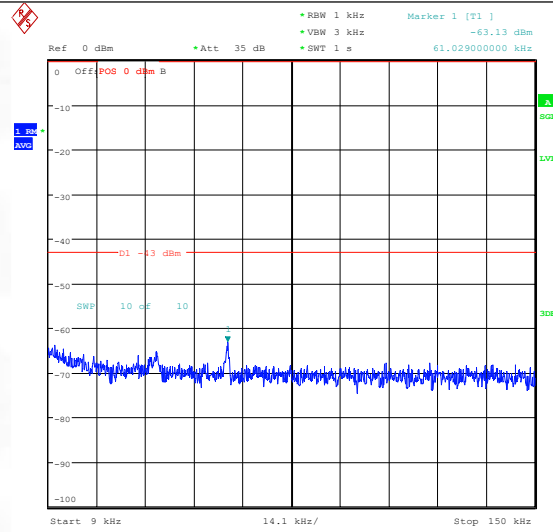
Date: 14.JUN.2025 03:24:44

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



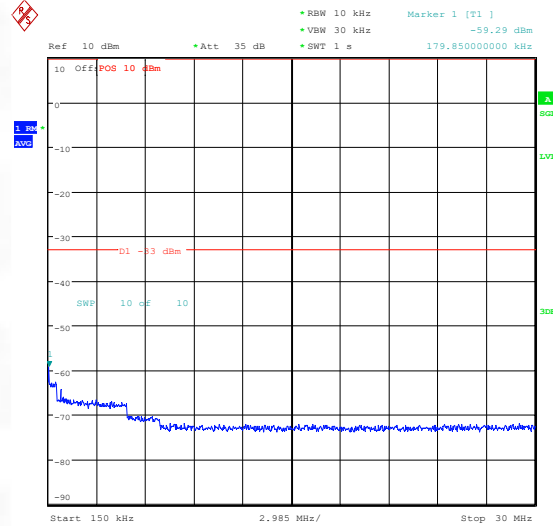
Date: 14.JUN.2025 03:25:01

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



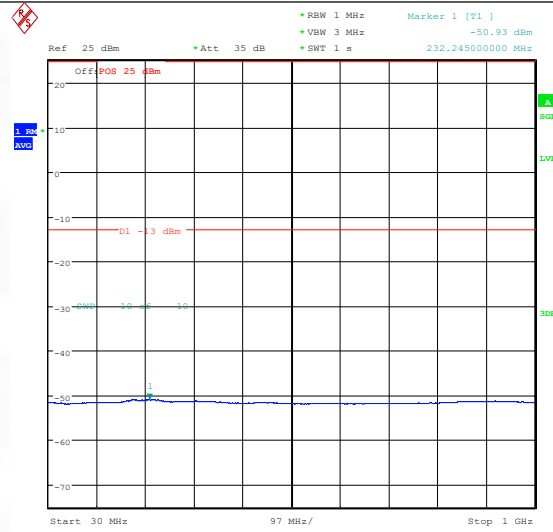
Date: 14.JUN.2025 03:28:12

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



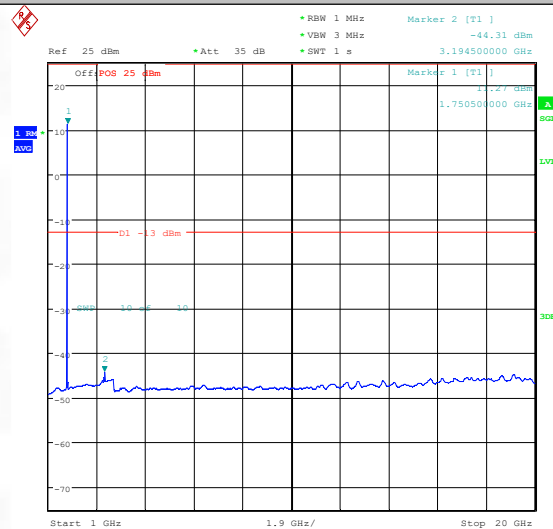
Date: 14.JUN.2025 03:28:28

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



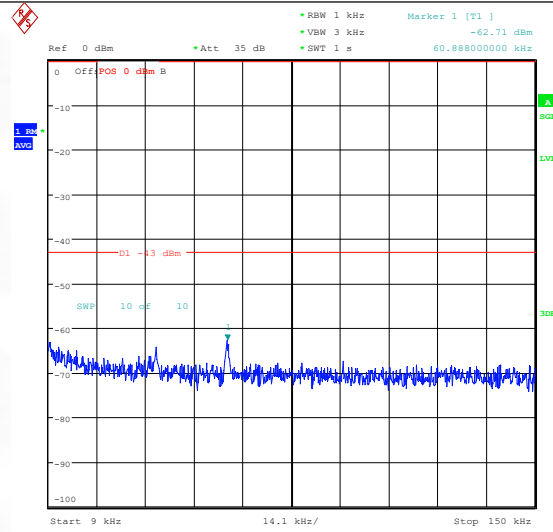
Date: 14.JUN.2025 03:28:45

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



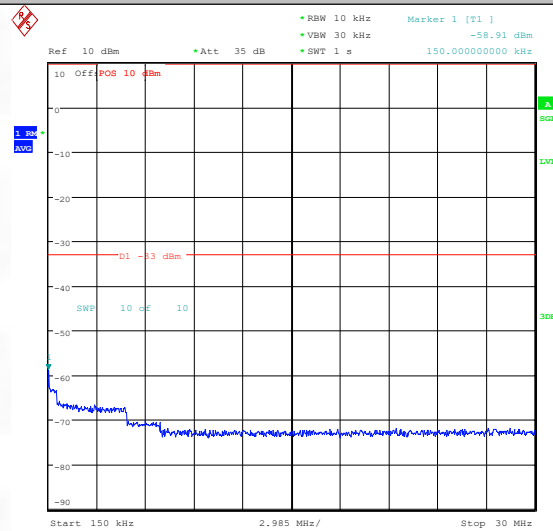
Date: 14.JUN.2025 03:29:01

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



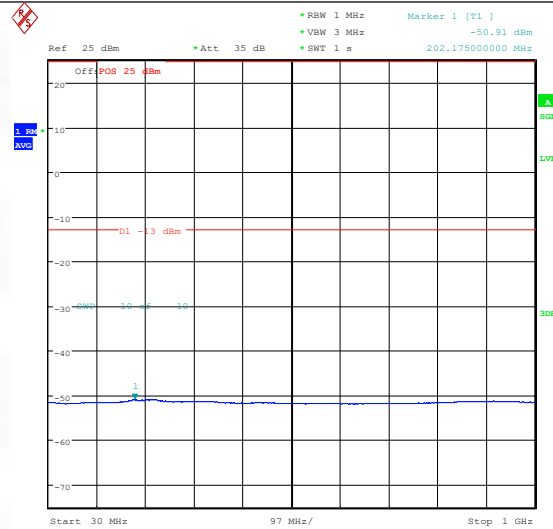
Date: 14.JUN.2025 04:54:28

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



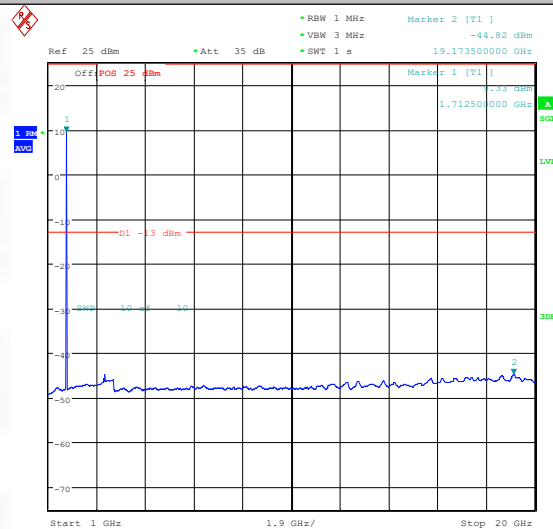
Date: 14.JUN.2025 04:54:44

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



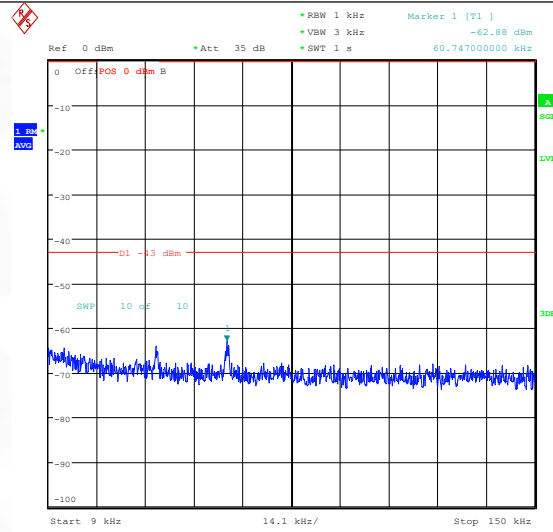
Date: 14.JUN.2025 04:55:01

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



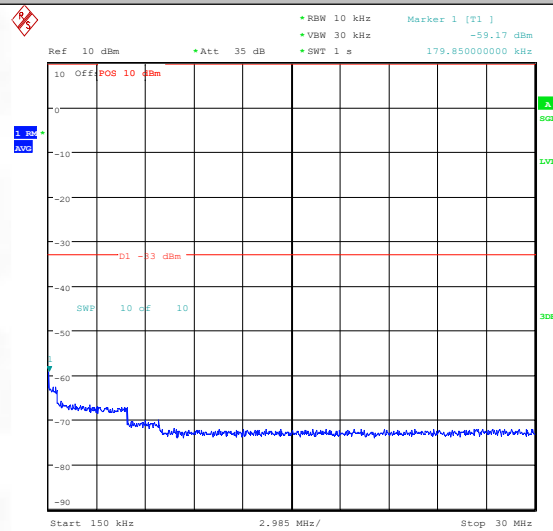
Date: 14.JUN.2025 04:55:18

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



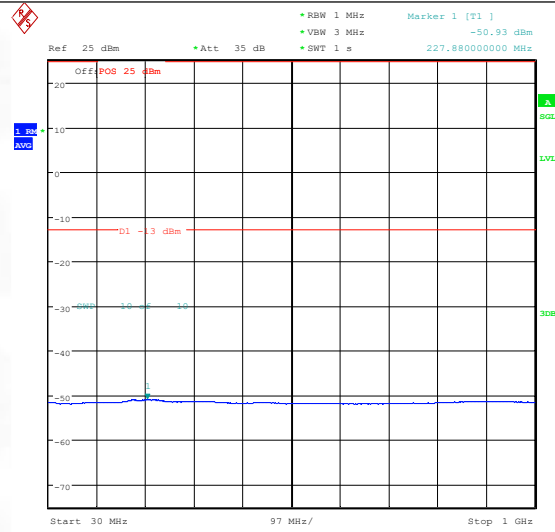
Date: 14.JUN.2025 05:00:23

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



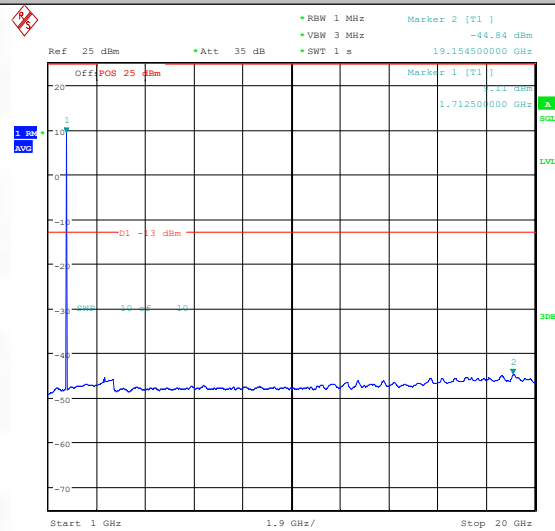
Date: 14.JUN.2025 05:00:40

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



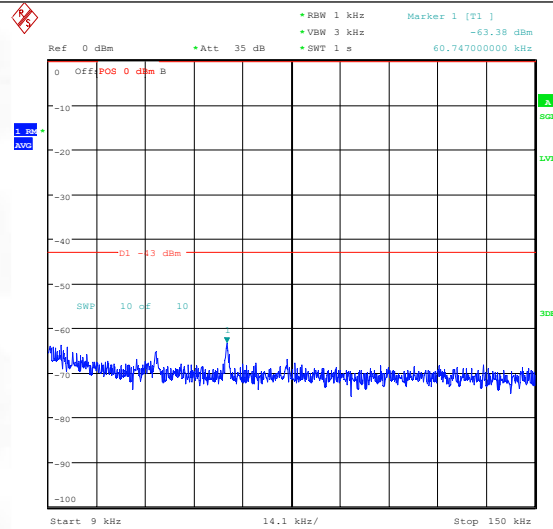
Date: 14.JUN.2025 05:00:56

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



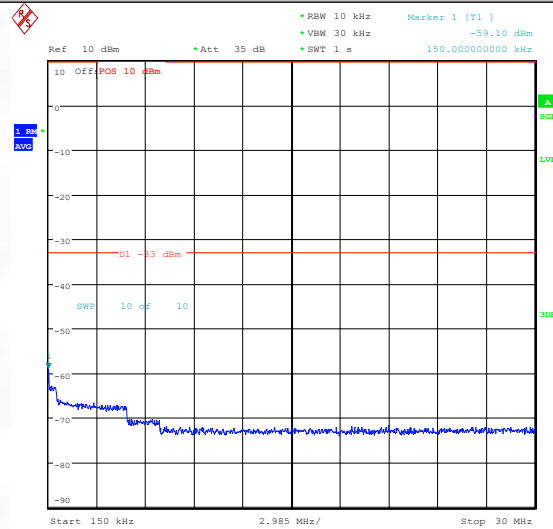
Date: 14.JUN.2025 05:01:13

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



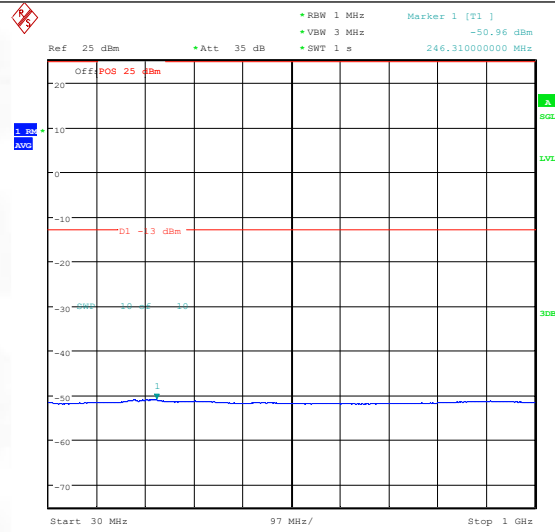
Date: 14.JUN.2025 05:05:56

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



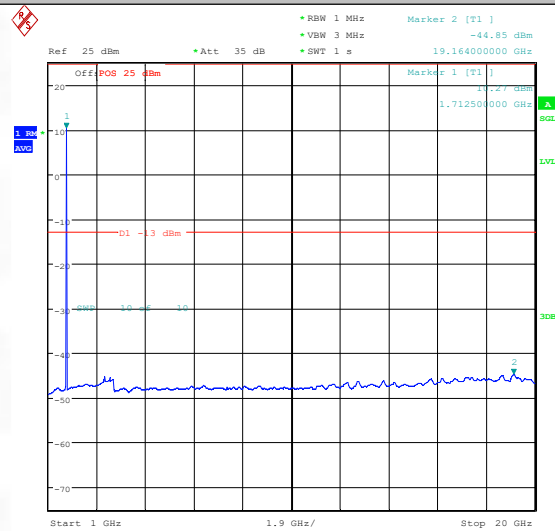
Date: 14.JUN.2025 05:06:13

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



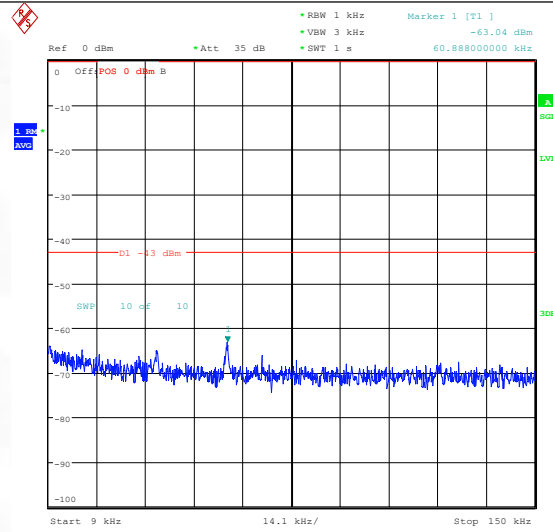
Date: 14.JUN.2025 05:06:29

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



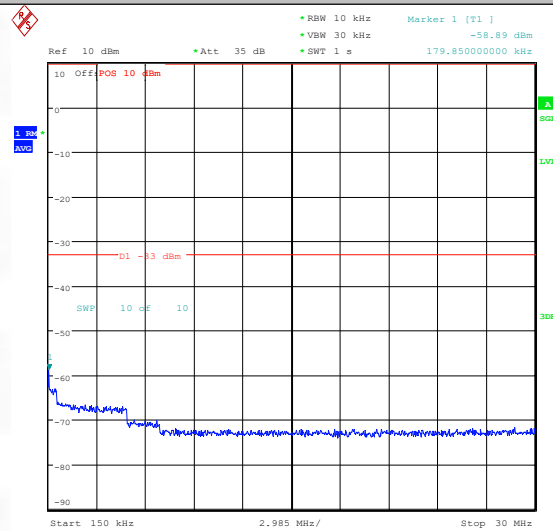
Date: 14.JUN.2025 05:06:46

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



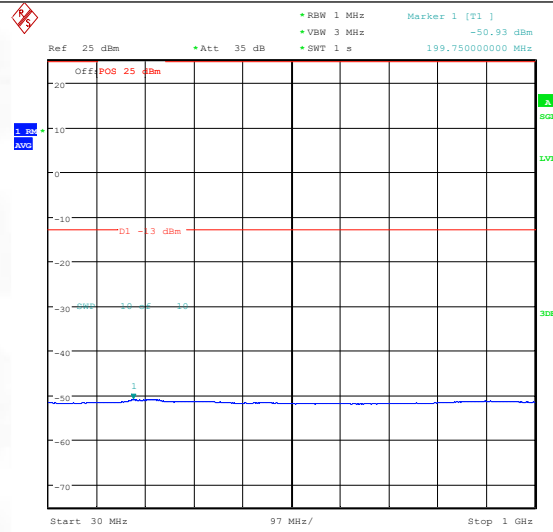
Date: 14.JUN.2025 05:11:34

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



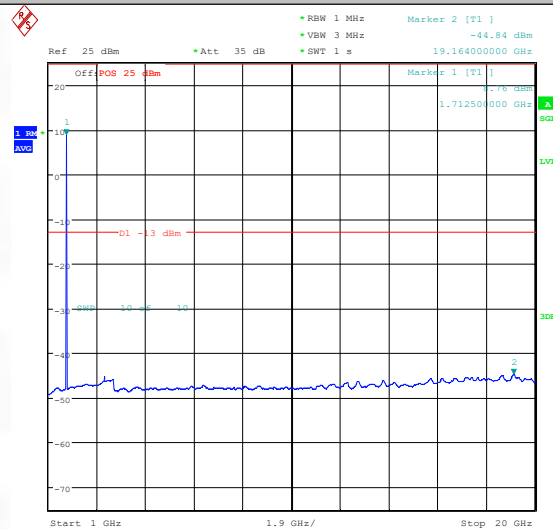
Date: 14.JUN.2025 05:11:50

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



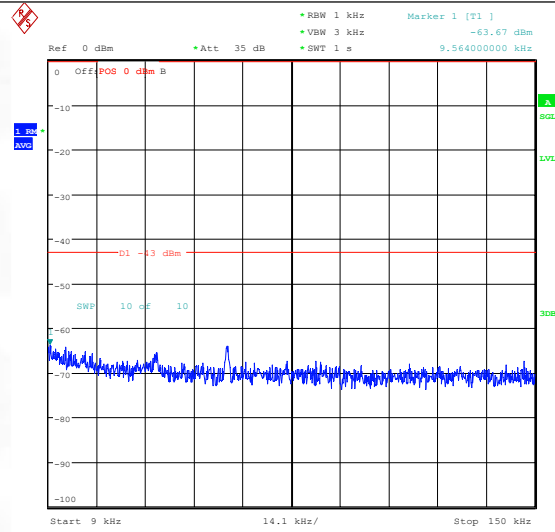
Date: 14.JUN.2025 05:12:07

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



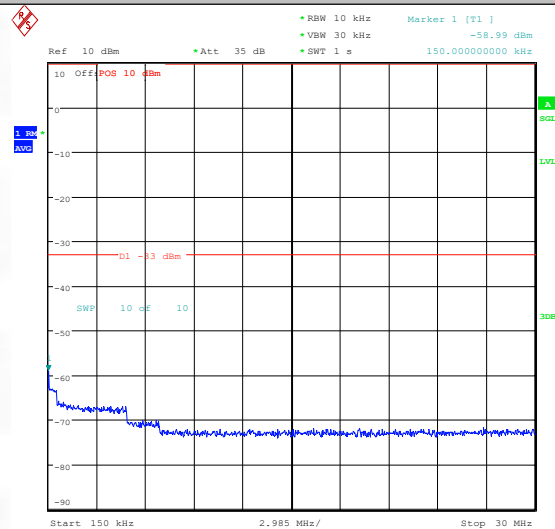
Date: 14.JUN.2025 05:12:25

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



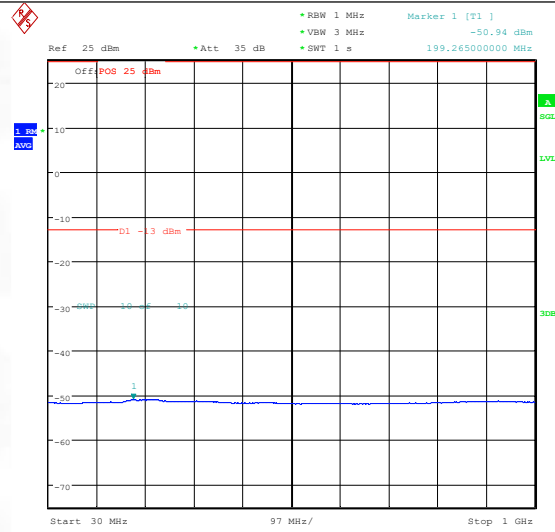
Date: 14.JUN.2025 05:17:13

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



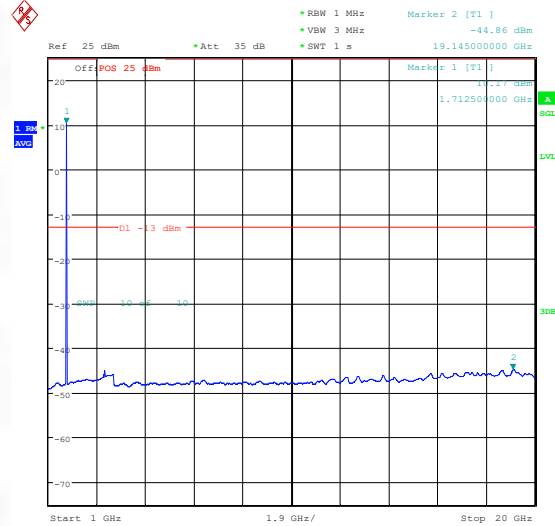
Date: 14.JUN.2025 05:17:30

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



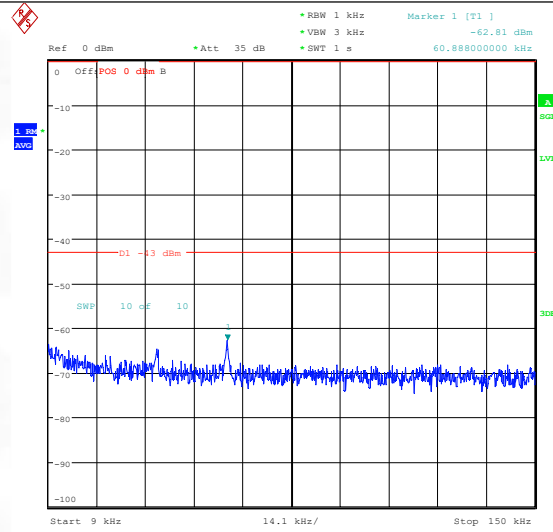
Date: 14.JUN.2025 05:17:46

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



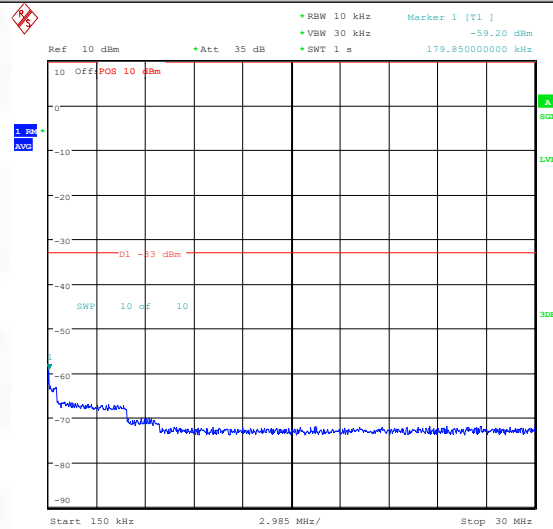
Date: 14.JUN.2025 05:18:03

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



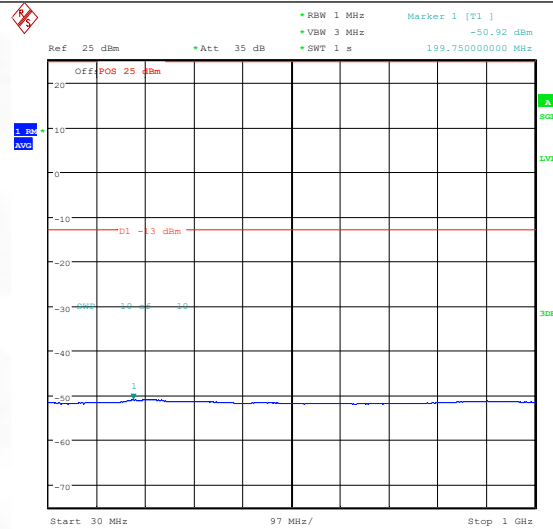
Date: 14.JUN.2025 04:56:47

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



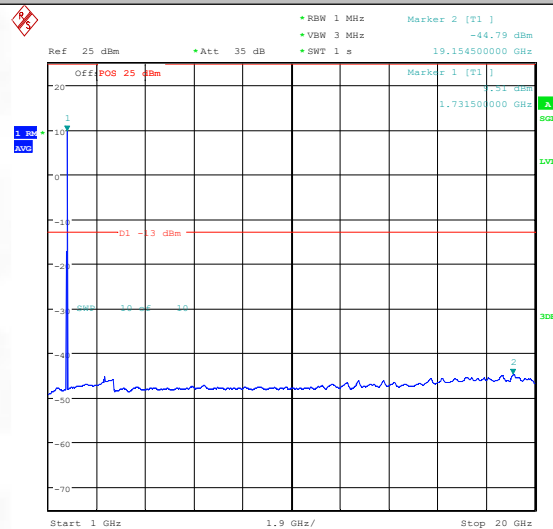
Date: 14.JUN.2025 04:57:03

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



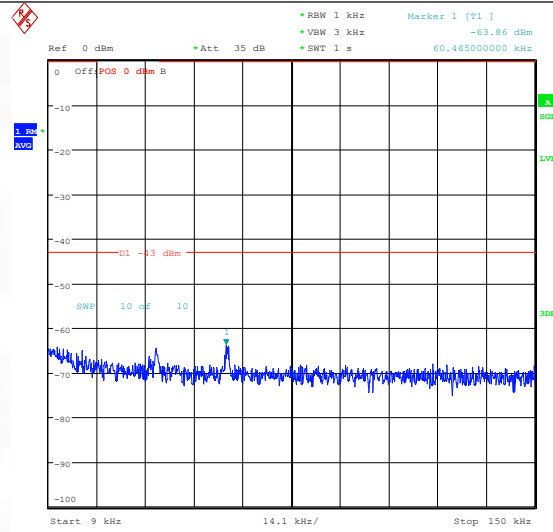
Date: 14.JUN.2025 04:57:20

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



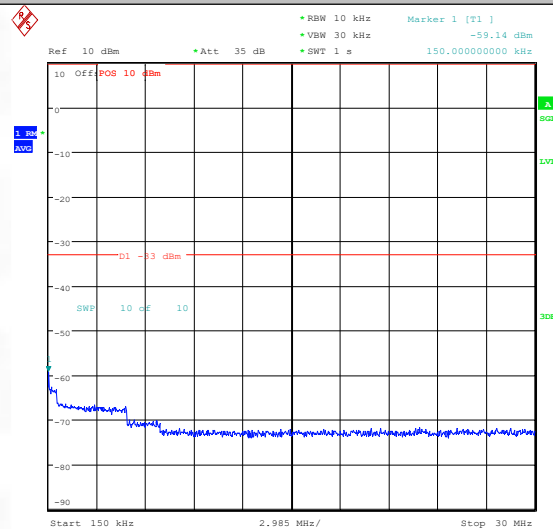
Date: 14.JUN.2025 04:57:36

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



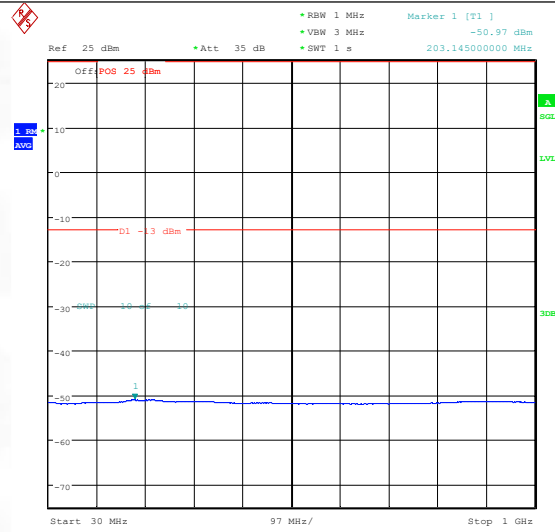
Date: 14.JUN.2025 05:02:19

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



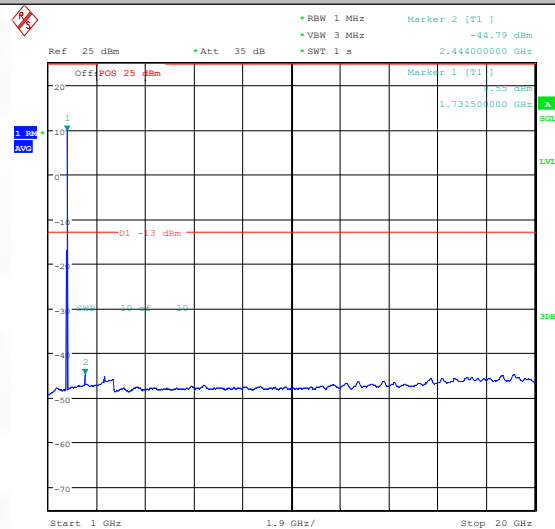
Date: 14.JUN.2025 05:02:35

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



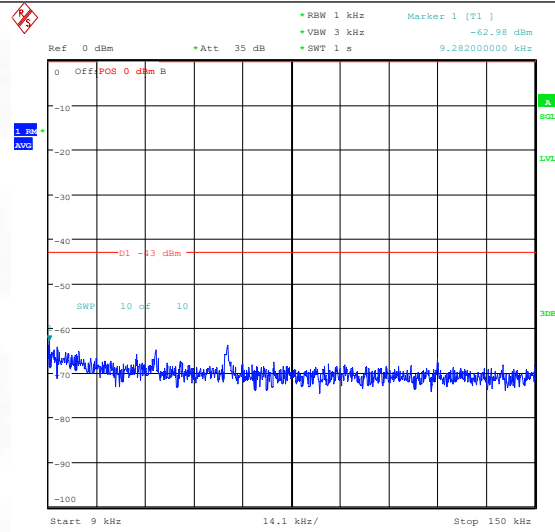
Date: 14.JUN.2025 05:02:52

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



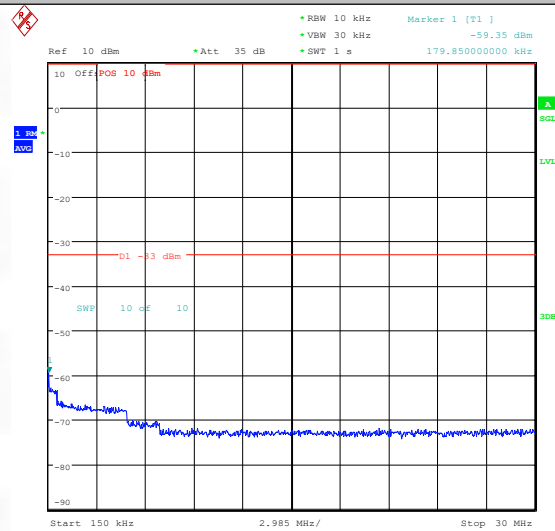
Date: 14.JUN.2025 05:03:09

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



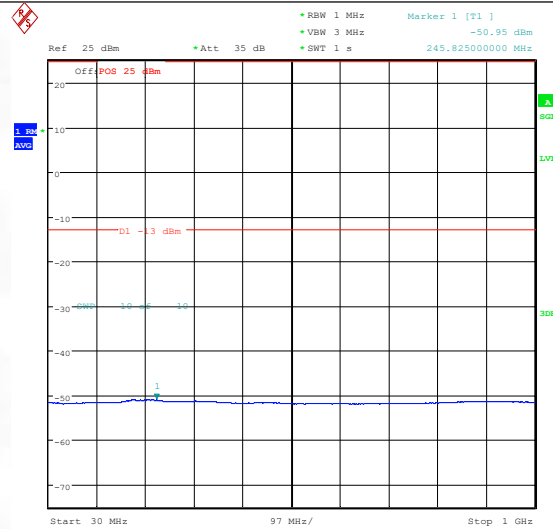
Date: 14.JUN.2025 05:07:57

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



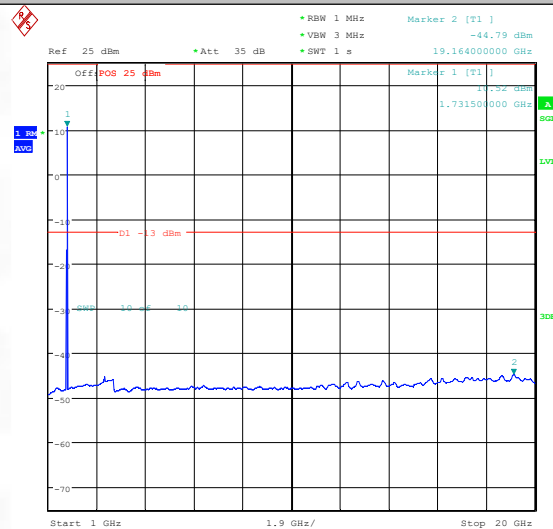
Date: 14.JUN.2025 05:08:14

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



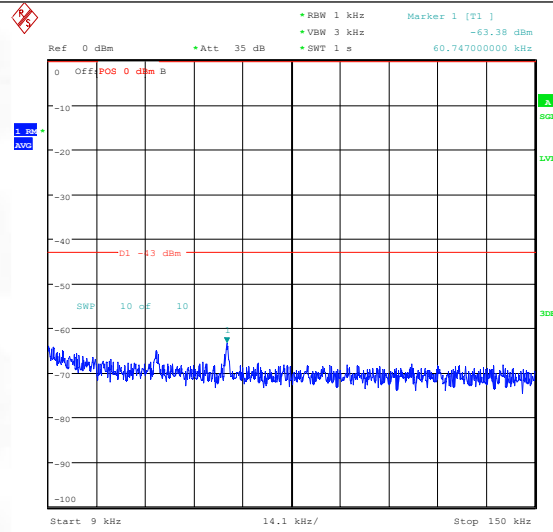
Date: 14.JUN.2025 05:08:30

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



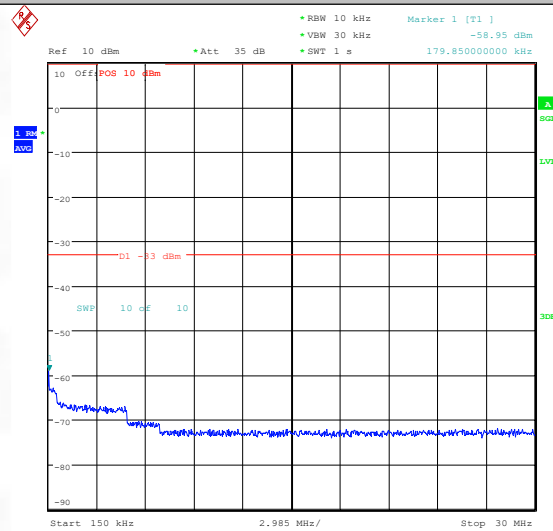
Date: 14.JUN.2025 05:08:47

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



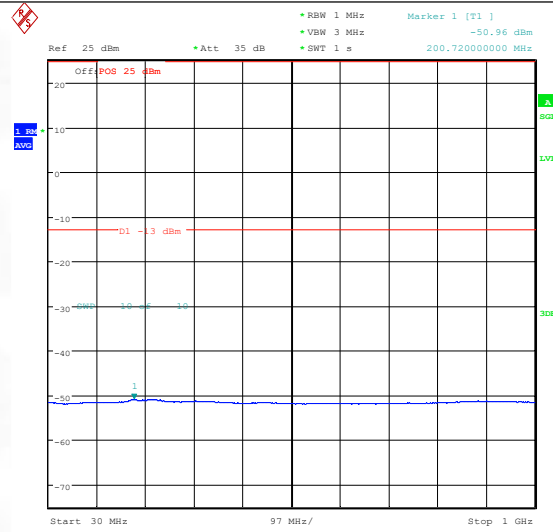
Date: 14.JUN.2025 05:13:35

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



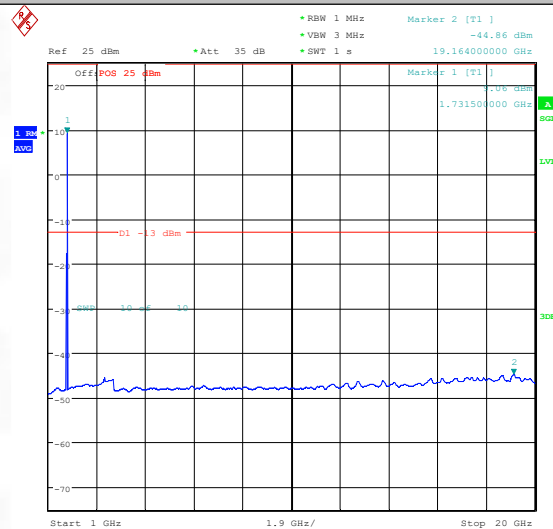
Date: 14.JUN.2025 05:13:52

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



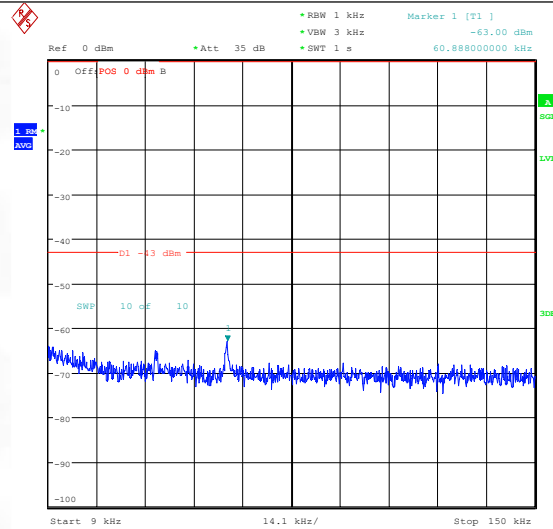
Date: 14.JUN.2025 05:14:08

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



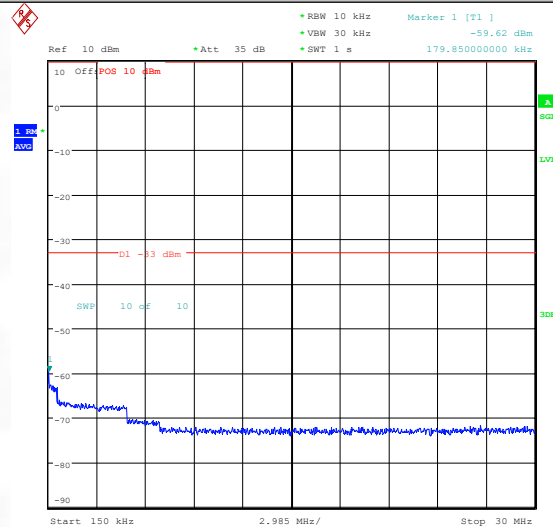
Date: 14.JUN.2025 05:14:25

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



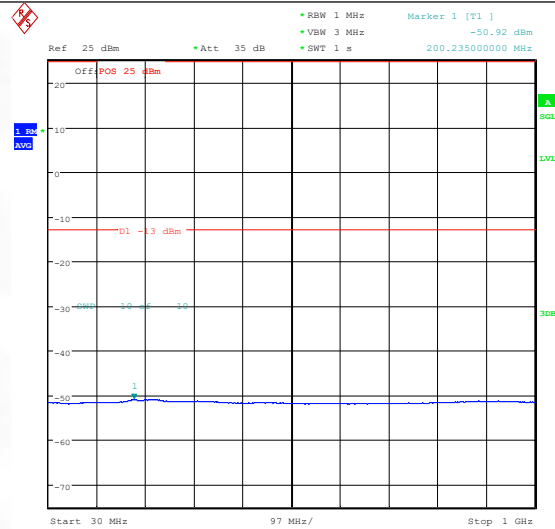
Date: 14.JUN.2025 05:18:37

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



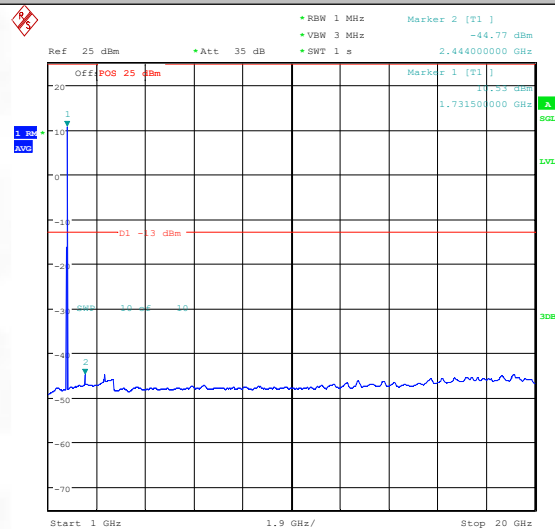
Date: 14.JUN.2025 05:18:53

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



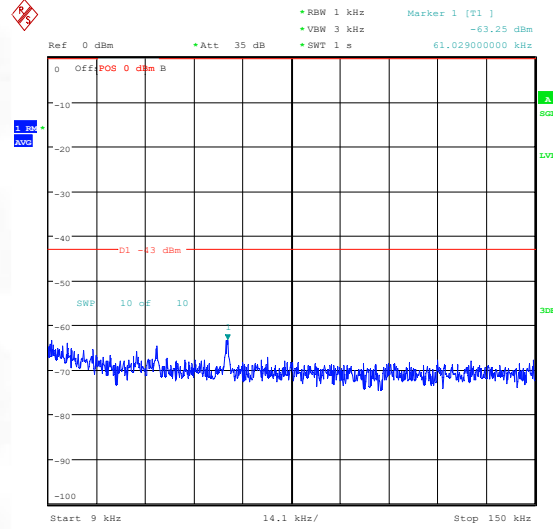
Date: 14.JUN.2025 05:19:10

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



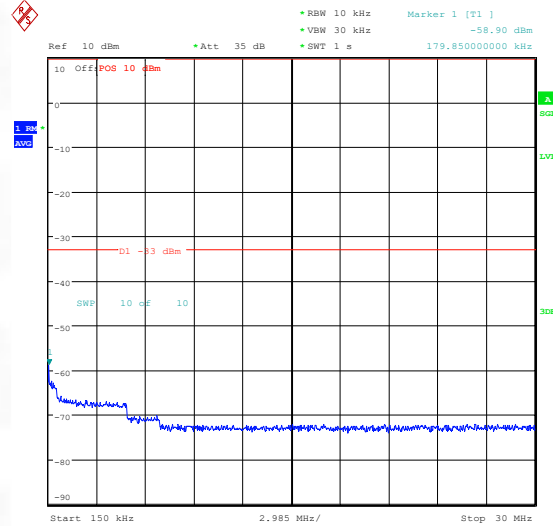
Date: 14.JUN.2025 05:19:27

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



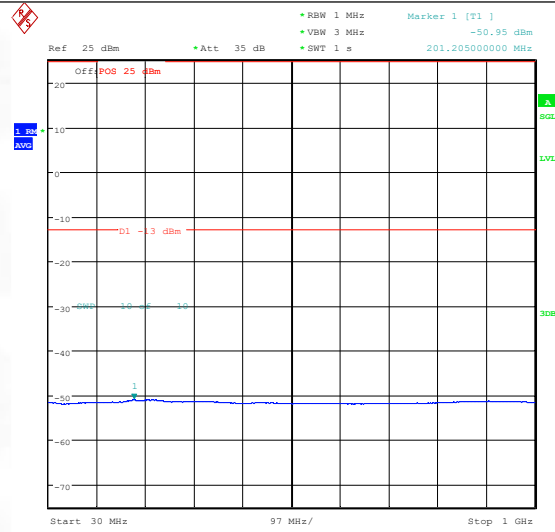
Date: 14.JUN.2025 04:58:42

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



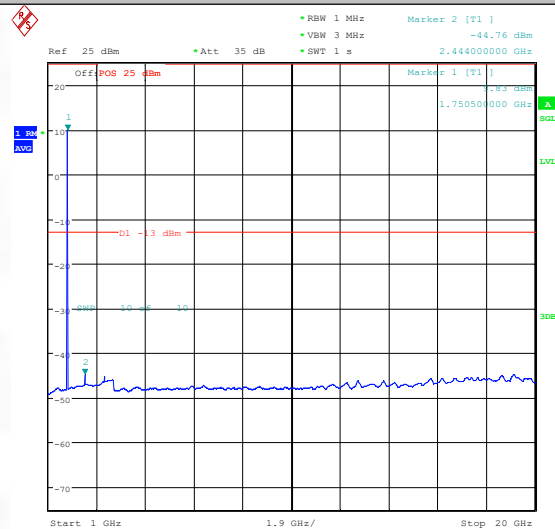
Date: 14.JUN.2025 04:58:58

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



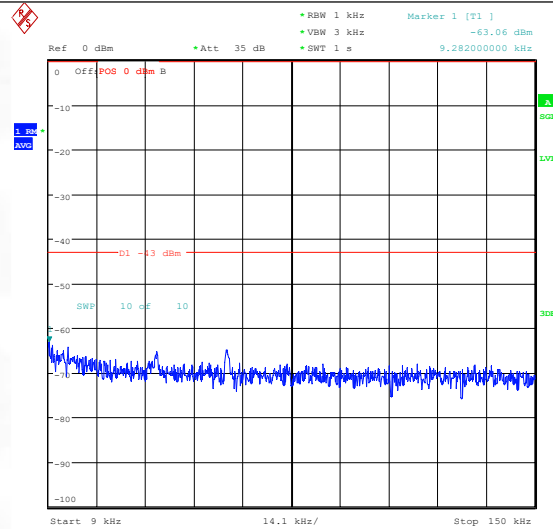
Date: 14.JUN.2025 04:59:16

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



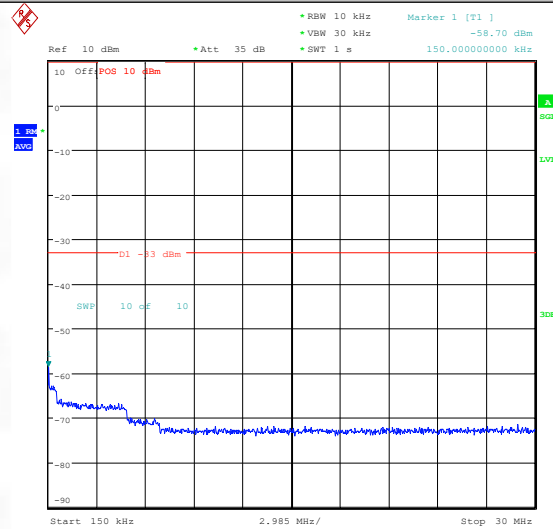
Date: 14.JUN.2025 04:59:33

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



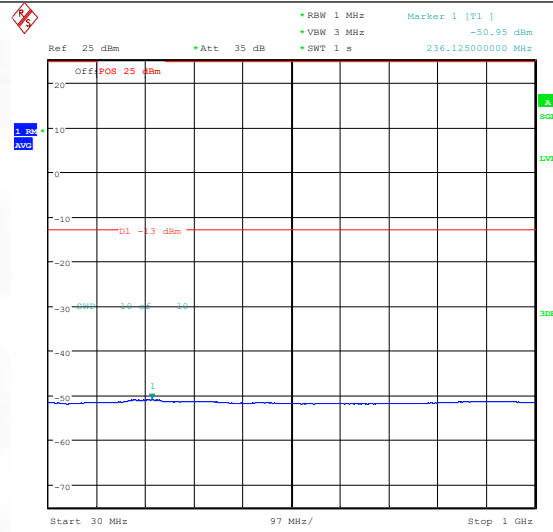
Date: 14.JUN.2025 05:04:15

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



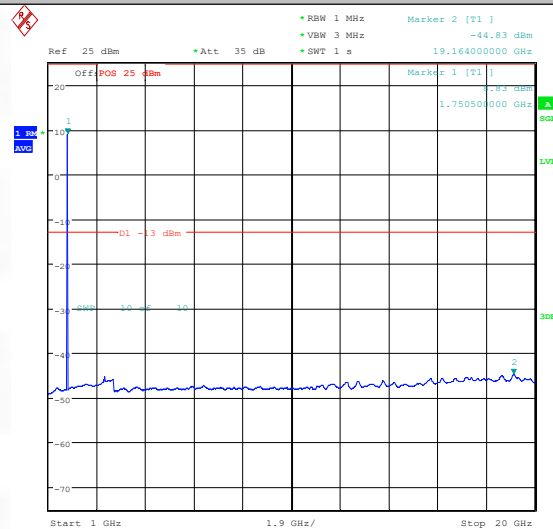
Date: 14.JUN.2025 05:04:31

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



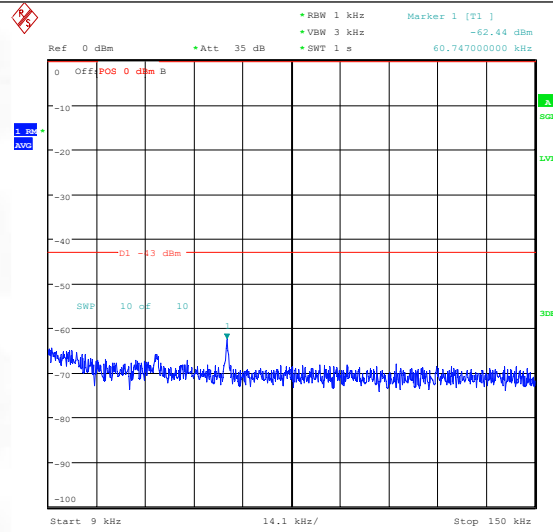
Date: 14.JUN.2025 05:04:48

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



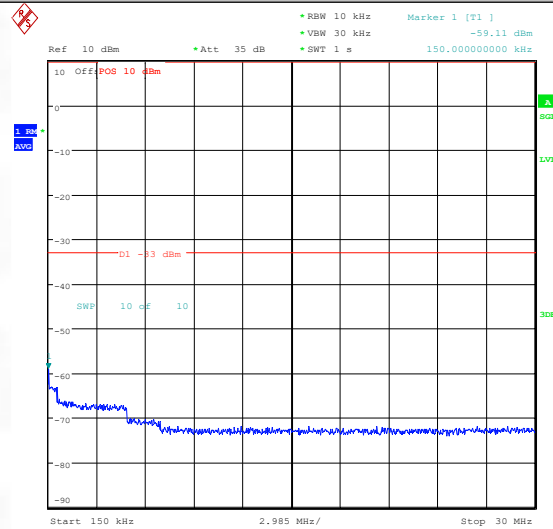
Date: 14.JUN.2025 05:05:05

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



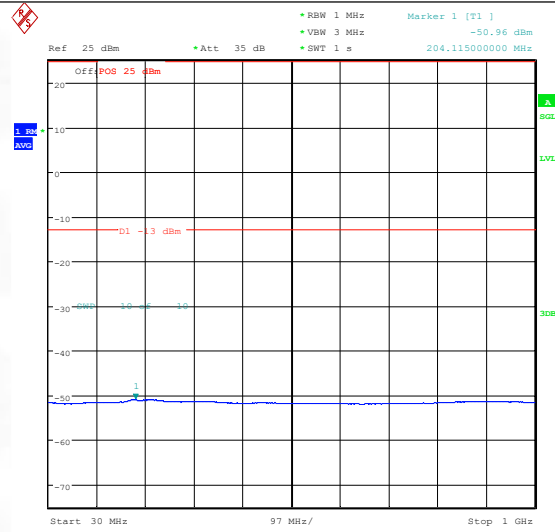
Date: 14.JUN.2025 05:09:58

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



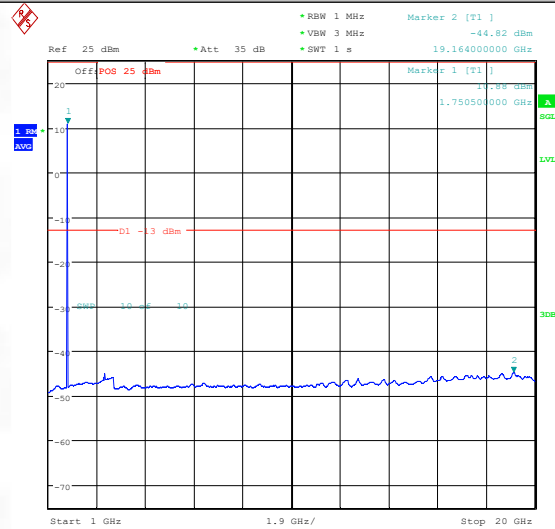
Date: 14.JUN.2025 05:10:14

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



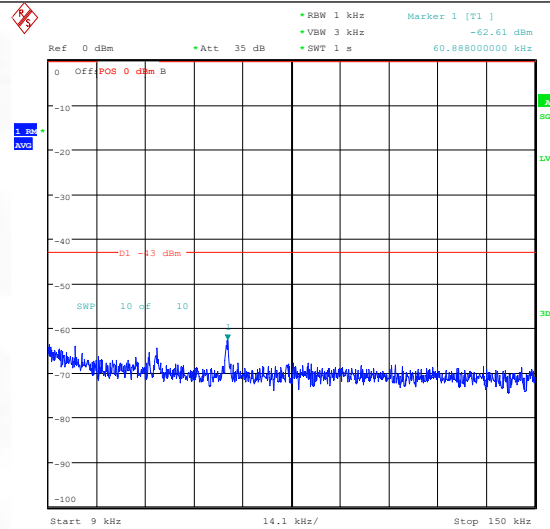
Date: 14.JUN.2025 05:10:31

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



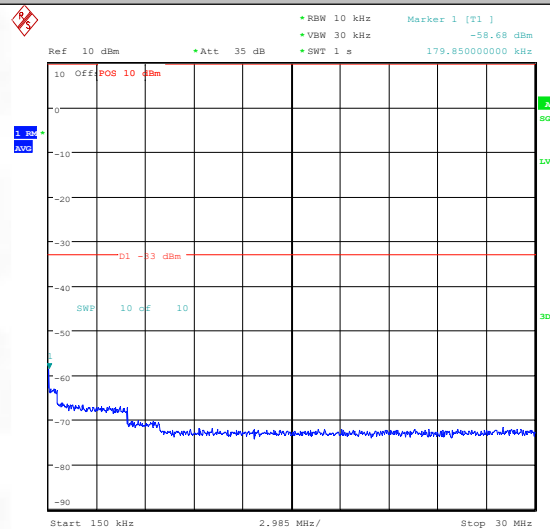
Date: 14.JUN.2025 05:10:47

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



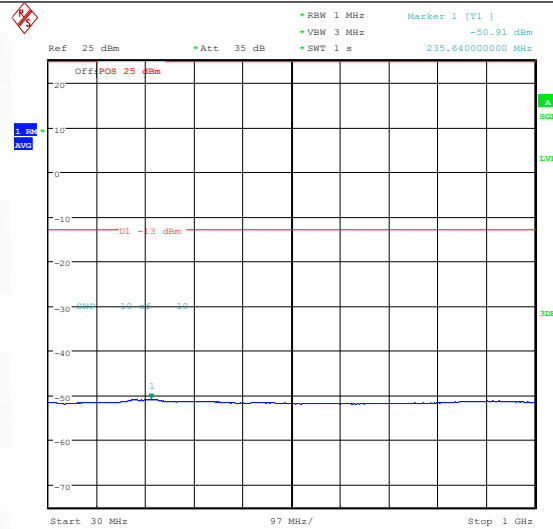
Date: 14.JUN.2025 05:15:36

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



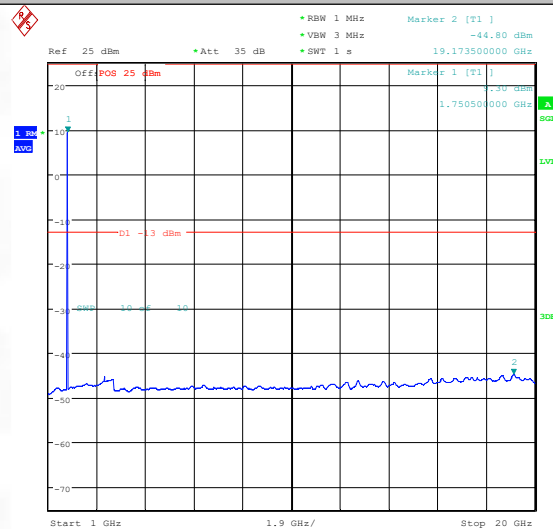
Date: 14.JUN.2025 05:15:53

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



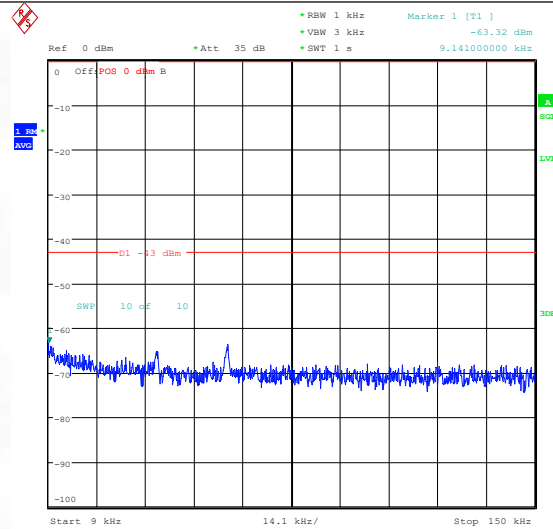
Date: 14.JUN.2025 05:16:09

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



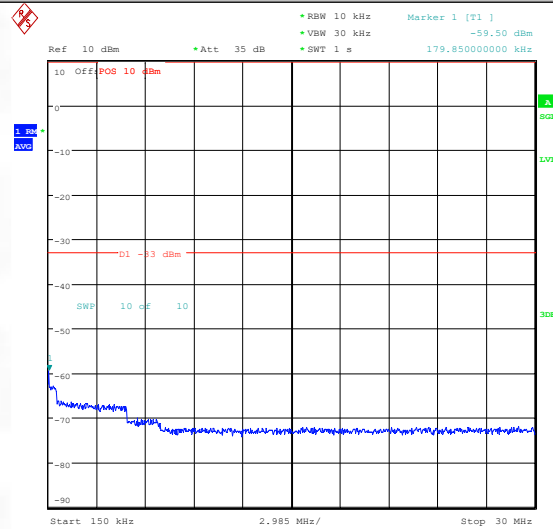
Date: 14.JUN.2025 05:16:26

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



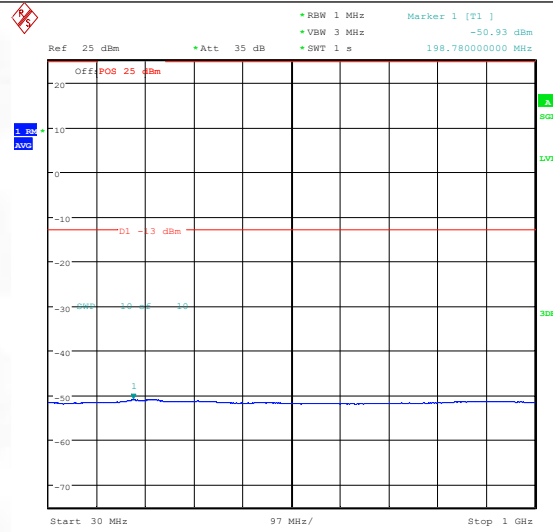
Date: 14.JUN.2025 05:19:59

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



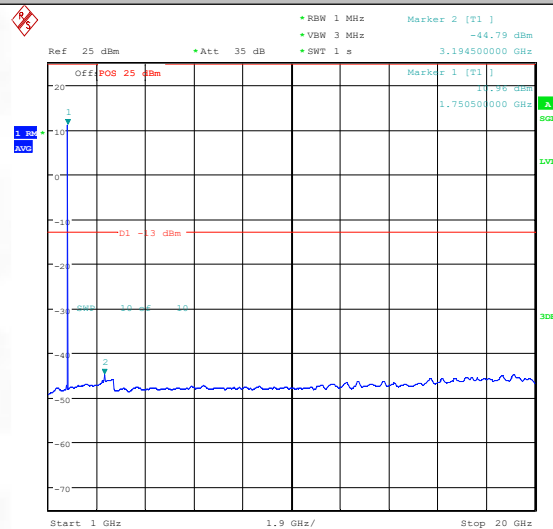
Date: 14.JUN.2025 05:20:15

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



Date: 14.JUN.2025 05:20:32

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



Date: 14.JUN.2025 05:20:49

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

1.6 AppendixF:Frequency Stability

1.6.1 Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	VN	NT	-0.33	-0.000193	±2.5	PASS
Band4	1312	VL	NT	0.49	0.000286	±2.5	PASS
Band4	1312	VH	NT	-0.91	-0.000531	±2.5	PASS
Band4	1413	VN	NT	-3.98	-0.002297	±2.5	PASS
Band4	1413	VL	NT	-5.20	-0.003001	±2.5	PASS
Band4	1413	VH	NT	-3.98	-0.002297	±2.5	PASS
Band4	1513	VN	NT	-1.91	-0.001090	±2.5	PASS
Band4	1513	VL	NT	-3.62	-0.002066	±2.5	PASS
Band4	1513	VH	NT	-4.31	-0.002459	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	NV	-30	0.20	0.000117	±2.5	PASS
Band4	1312	NV	-20	-6.17	-0.003603	±2.5	PASS
Band4	1312	NV	-10	-4.76	-0.002780	±2.5	PASS
Band4	1312	NV	0	-3.40	-0.001986	±2.5	PASS
Band4	1312	NV	10	-5.56	-0.003247	±2.5	PASS
Band4	1312	NV	20	-4.33	-0.002529	±2.5	PASS
Band4	1312	NV	30	-3.28	-0.001915	±2.5	PASS
Band4	1312	NV	40	-1.30	-0.000759	±2.5	PASS
Band4	1312	NV	50	-0.07	-0.000041	±2.5	PASS
Band4	1413	NV	-30	-2.93	-0.001691	±2.5	PASS
Band4	1413	NV	-20	-1.87	-0.001079	±2.5	PASS
Band4	1413	NV	-10	-0.89	-0.000514	±2.5	PASS
Band4	1413	NV	0	-2.02	-0.001166	±2.5	PASS
Band4	1413	NV	10	-6.49	-0.003746	±2.5	PASS
Band4	1413	NV	20	-6.36	-0.003671	±2.5	PASS
Band4	1413	NV	30	-2.78	-0.001605	±2.5	PASS
Band4	1413	NV	40	-5.16	-0.002978	±2.5	PASS
Band4	1413	NV	50	-4.12	-0.002378	±2.5	PASS
Band4	1513	NV	-30	-6.84	-0.003903	±2.5	PASS
Band4	1513	NV	-20	-3.58	-0.002043	±2.5	PASS
Band4	1513	NV	-10	-3.76	-0.002145	±2.5	PASS
Band4	1513	NV	0	-4.26	-0.002431	±2.5	PASS
Band4	1513	NV	10	-2.45	-0.001398	±2.5	PASS
Band4	1513	NV	20	-2.91	-0.001660	±2.5	PASS
Band4	1513	NV	30	-2.00	-0.001141	±2.5	PASS
Band4	1513	NV	40	-2.64	-0.001506	±2.5	PASS
Band4	1513	NV	50	-3.18	-0.001814	±2.5	PASS

Voltage								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	1	VN	NT	-1.96	-0.001145	±2.5	PASS
Band4	1312	1	VL	NT	-3.03	-0.001769	±2.5	PASS
Band4	1312	1	VH	NT	-2.03	-0.001185	±2.5	PASS

Band4	1312	2	VN	NT	-1.03	-0.000601	±2.5	PASS
Band4	1312	2	VL	NT	-0.83	-0.000485	±2.5	PASS
Band4	1312	2	VH	NT	-1.14	-0.000666	±2.5	PASS
Band4	1312	3	VN	NT	0.60	0.000350	±2.5	PASS
Band4	1312	3	VL	NT	-1.97	-0.001150	±2.5	PASS
Band4	1312	3	VH	NT	1.10	0.000642	±2.5	PASS
Band4	1312	4	VN	NT	-3.51	-0.002050	±2.5	PASS
Band4	1312	4	VL	NT	1.53	0.000893	±2.5	PASS
Band4	1312	4	VH	NT	-3.44	-0.002009	±2.5	PASS
Band4	1413	1	VN	NT	-4.73	-0.002730	±2.5	PASS
Band4	1413	1	VL	NT	-7.57	-0.004369	±2.5	PASS
Band4	1413	1	VH	NT	-2.55	-0.001472	±2.5	PASS
Band4	1413	2	VN	NT	-1.34	-0.000773	±2.5	PASS
Band4	1413	2	VL	NT	0.15	0.000087	±2.5	PASS
Band4	1413	2	VH	NT	-2.07	-0.001195	±2.5	PASS
Band4	1413	3	VN	NT	-4.78	-0.002759	±2.5	PASS
Band4	1413	3	VL	NT	-4.09	-0.002361	±2.5	PASS
Band4	1413	3	VH	NT	-5.76	-0.003324	±2.5	PASS
Band4	1413	4	VN	NT	-3.89	-0.002245	±2.5	PASS
Band4	1413	4	VL	NT	-7.43	-0.004288	±2.5	PASS
Band4	1413	4	VH	NT	-3.09	-0.001783	±2.5	PASS
Band4	1513	1	VN	NT	-0.47	-0.000268	±2.5	PASS
Band4	1513	1	VL	NT	-2.34	-0.001335	±2.5	PASS
Band4	1513	1	VH	NT	3.22	0.001837	±2.5	PASS
Band4	1513	2	VN	NT	-6.91	-0.003943	±2.5	PASS
Band4	1513	2	VL	NT	-7.93	-0.004525	±2.5	PASS
Band4	1513	2	VH	NT	-3.93	-0.002242	±2.5	PASS
Band4	1513	3	VN	NT	-6.07	-0.003463	±2.5	PASS
Band4	1513	3	VL	NT	0.66	0.000377	±2.5	PASS
Band4	1513	3	VH	NT	-2.67	-0.001523	±2.5	PASS
Band4	1513	4	VN	NT	-3.20	-0.001826	±2.5	PASS
Band4	1513	4	VL	NT	-7.62	-0.004348	±2.5	PASS
Band4	1513	4	VH	NT	-3.60	-0.002054	±2.5	PASS

Temperature								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	1	NV	-30	-0.44	-0.000257	±2.5	PASS
Band4	1312	1	NV	-20	-0.35	-0.000204	±2.5	PASS
Band4	1312	1	NV	-10	-3.81	-0.002225	±2.5	PASS
Band4	1312	1	NV	0	-2.00	-0.001168	±2.5	PASS
Band4	1312	1	NV	10	-4.27	-0.002494	±2.5	PASS
Band4	1312	1	NV	20	-4.18	-0.002441	±2.5	PASS
Band4	1312	1	NV	30	-3.32	-0.001939	±2.5	PASS
Band4	1312	1	NV	40	-4.67	-0.002727	±2.5	PASS
Band4	1312	1	NV	50	-1.81	-0.001057	±2.5	PASS
Band4	1312	2	NV	-30	-3.19	-0.001863	±2.5	PASS
Band4	1312	2	NV	-20	0.29	0.000169	±2.5	PASS
Band4	1312	2	NV	-10	-4.04	-0.002359	±2.5	PASS
Band4	1312	2	NV	0	-1.72	-0.001004	±2.5	PASS
Band4	1312	2	NV	10	-0.06	-0.000035	±2.5	PASS
Band4	1312	2	NV	20	-2.50	-0.001460	±2.5	PASS
Band4	1312	2	NV	30	-2.52	-0.001472	±2.5	PASS
Band4	1312	2	NV	40	-0.45	-0.000263	±2.5	PASS
Band4	1312	2	NV	50	-2.10	-0.001226	±2.5	PASS

Band4	1312	3	NV	-30	0.86	0.000502	±2.5	PASS
Band4	1312	3	NV	-20	0.01	0.000006	±2.5	PASS
Band4	1312	3	NV	-10	0.35	0.000204	±2.5	PASS
Band4	1312	3	NV	0	0.67	0.000391	±2.5	PASS
Band4	1312	3	NV	10	-0.77	-0.000450	±2.5	PASS
Band4	1312	3	NV	20	0.16	0.000093	±2.5	PASS
Band4	1312	3	NV	30	-0.78	-0.000456	±2.5	PASS
Band4	1312	3	NV	40	-0.02	-0.000012	±2.5	PASS
Band4	1312	3	NV	50	2.39	0.001396	±2.5	PASS
Band4	1312	4	NV	-30	-0.54	-0.000315	±2.5	PASS
Band4	1312	4	NV	-20	-1.69	-0.000987	±2.5	PASS
Band4	1312	4	NV	-10	2.24	0.001308	±2.5	PASS
Band4	1312	4	NV	0	1.17	0.000683	±2.5	PASS
Band4	1312	4	NV	10	0.02	0.000012	±2.5	PASS
Band4	1312	4	NV	20	0.50	0.000292	±2.5	PASS
Band4	1312	4	NV	30	2.41	0.001407	±2.5	PASS
Band4	1312	4	NV	40	0.75	0.000438	±2.5	PASS
Band4	1312	4	NV	50	-2.42	-0.001413	±2.5	PASS
Band4	1413	1	NV	-30	-2.96	-0.001708	±2.5	PASS
Band4	1413	1	NV	-20	-1.99	-0.001149	±2.5	PASS
Band4	1413	1	NV	-10	-4.01	-0.002314	±2.5	PASS
Band4	1413	1	NV	0	-1.76	-0.001016	±2.5	PASS
Band4	1413	1	NV	10	-4.08	-0.002355	±2.5	PASS
Band4	1413	1	NV	20	-1.00	-0.000577	±2.5	PASS
Band4	1413	1	NV	30	-6.09	-0.003515	±2.5	PASS
Band4	1413	1	NV	40	-4.67	-0.002695	±2.5	PASS
Band4	1413	1	NV	50	-5.49	-0.003169	±2.5	PASS
Band4	1413	2	NV	-30	-3.17	-0.001830	±2.5	PASS
Band4	1413	2	NV	-20	-3.11	-0.001795	±2.5	PASS
Band4	1413	2	NV	-10	-2.73	-0.001576	±2.5	PASS
Band4	1413	2	NV	0	-0.03	-0.000017	±2.5	PASS
Band4	1413	2	NV	10	-6.49	-0.003746	±2.5	PASS
Band4	1413	2	NV	20	-7.29	-0.004208	±2.5	PASS
Band4	1413	2	NV	30	-2.26	-0.001304	±2.5	PASS
Band4	1413	2	NV	40	-3.91	-0.002257	±2.5	PASS
Band4	1413	2	NV	50	-4.66	-0.002690	±2.5	PASS
Band4	1413	3	NV	-30	-3.06	-0.001766	±2.5	PASS
Band4	1413	3	NV	-20	-2.92	-0.001685	±2.5	PASS
Band4	1413	3	NV	-10	-2.17	-0.001252	±2.5	PASS
Band4	1413	3	NV	0	-2.73	-0.001576	±2.5	PASS
Band4	1413	3	NV	10	-5.09	-0.002938	±2.5	PASS
Band4	1413	3	NV	20	-4.69	-0.002707	±2.5	PASS
Band4	1413	3	NV	30	-6.04	-0.003486	±2.5	PASS
Band4	1413	3	NV	40	-5.84	-0.003371	±2.5	PASS
Band4	1413	3	NV	50	-7.04	-0.004063	±2.5	PASS
Band4	1413	4	NV	-30	-4.54	-0.002620	±2.5	PASS
Band4	1413	4	NV	-20	-3.26	-0.001882	±2.5	PASS
Band4	1413	4	NV	-10	-4.66	-0.002690	±2.5	PASS
Band4	1413	4	NV	0	-1.70	-0.000981	±2.5	PASS
Band4	1413	4	NV	10	-8.26	-0.004767	±2.5	PASS
Band4	1413	4	NV	20	-3.80	-0.002193	±2.5	PASS
Band4	1413	4	NV	30	-4.73	-0.002730	±2.5	PASS
Band4	1413	4	NV	40	-6.02	-0.003475	±2.5	PASS
Band4	1413	4	NV	50	-6.91	-0.003988	±2.5	PASS
Band4	1513	1	NV	-30	-6.84	-0.003903	±2.5	PASS
Band4	1513	1	NV	-20	-3.29	-0.001877	±2.5	PASS
Band4	1513	1	NV	-10	-2.25	-0.001284	±2.5	PASS

Band4	1513	1	NV	0	-2.00	-0.001141	±2.5	PASS
Band4	1513	1	NV	10	-6.29	-0.003589	±2.5	PASS
Band4	1513	1	NV	20	9.62	0.005489	±2.5	PASS
Band4	1513	1	NV	30	2.45	0.001398	±2.5	PASS
Band4	1513	1	NV	40	4.17	0.002379	±2.5	PASS
Band4	1513	1	NV	50	-6.78	-0.003869	±2.5	PASS
Band4	1513	2	NV	-30	-4.63	-0.002642	±2.5	PASS
Band4	1513	2	NV	-20	-12.86	-0.007338	±2.5	PASS
Band4	1513	2	NV	-10	0.43	0.000245	±2.5	PASS
Band4	1513	2	NV	0	1.39	0.000793	±2.5	PASS
Band4	1513	2	NV	10	-0.87	-0.000496	±2.5	PASS
Band4	1513	2	NV	20	-4.13	-0.002356	±2.5	PASS
Band4	1513	2	NV	30	-3.00	-0.001712	±2.5	PASS
Band4	1513	2	NV	40	-3.10	-0.001769	±2.5	PASS
Band4	1513	2	NV	50	-6.65	-0.003794	±2.5	PASS
Band4	1513	3	NV	-30	-7.16	-0.004085	±2.5	PASS
Band4	1513	3	NV	-20	-0.57	-0.000325	±2.5	PASS
Band4	1513	3	NV	-10	-3.37	-0.001923	±2.5	PASS
Band4	1513	3	NV	0	-5.76	-0.003287	±2.5	PASS
Band4	1513	3	NV	10	-5.05	-0.002881	±2.5	PASS
Band4	1513	3	NV	20	-5.61	-0.003201	±2.5	PASS
Band4	1513	3	NV	30	-1.17	-0.000668	±2.5	PASS
Band4	1513	3	NV	40	-3.94	-0.002248	±2.5	PASS
Band4	1513	3	NV	50	1.89	0.001078	±2.5	PASS
Band4	1513	4	NV	-30	-1.60	-0.000913	±2.5	PASS
Band4	1513	4	NV	-20	-4.29	-0.002448	±2.5	PASS
Band4	1513	4	NV	-10	-5.29	-0.003018	±2.5	PASS
Band4	1513	4	NV	0	-6.54	-0.003732	±2.5	PASS
Band4	1513	4	NV	10	-7.14	-0.004074	±2.5	PASS
Band4	1513	4	NV	20	-1.61	-0.000919	±2.5	PASS
Band4	1513	4	NV	30	-3.80	-0.002168	±2.5	PASS
Band4	1513	4	NV	40	-2.33	-0.001329	±2.5	PASS
Band4	1513	4	NV	50	-1.20	-0.000685	±2.5	PASS

Voltage								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	1	VN	NT	-2.59	-0.001512	±2.5	PASS
Band4	1312	1	VL	NT	-1.39	-0.000812	±2.5	PASS
Band4	1312	1	VH	NT	-1.14	-0.000666	±2.5	PASS
Band4	1312	2	VN	NT	-1.75	-0.001022	±2.5	PASS
Band4	1312	2	VL	NT	-4.01	-0.002342	±2.5	PASS
Band4	1312	2	VH	NT	0.93	0.000543	±2.5	PASS
Band4	1312	3	VN	NT	0.21	0.000123	±2.5	PASS
Band4	1312	3	VL	NT	-1.55	-0.000905	±2.5	PASS
Band4	1312	3	VH	NT	-4.28	-0.002499	±2.5	PASS
Band4	1312	4	VN	NT	-0.24	-0.000140	±2.5	PASS
Band4	1312	4	VL	NT	-2.62	-0.001530	±2.5	PASS
Band4	1312	4	VH	NT	-3.63	-0.002120	±2.5	PASS
Band4	1312	5	VN	NT	1.37	0.000800	±2.5	PASS
Band4	1312	5	VL	NT	-3.35	-0.001956	±2.5	PASS
Band4	1312	5	VH	NT	1.29	0.000753	±2.5	PASS
Band4	1413	1	VN	NT	-4.11	-0.002372	±2.5	PASS
Band4	1413	1	VL	NT	-7.65	-0.004415	±2.5	PASS
Band4	1413	1	VH	NT	-6.10	-0.003521	±2.5	PASS

Band4	1413	2	VN	NT	-2.64	-0.001524	±2.5	PASS
Band4	1413	2	VL	NT	-2.66	-0.001535	±2.5	PASS
Band4	1413	2	VH	NT	-6.62	-0.003821	±2.5	PASS
Band4	1413	3	VN	NT	-4.10	-0.002366	±2.5	PASS
Band4	1413	3	VL	NT	-3.54	-0.002043	±2.5	PASS
Band4	1413	3	VH	NT	-5.74	-0.003313	±2.5	PASS
Band4	1413	4	VN	NT	-3.25	-0.001876	±2.5	PASS
Band4	1413	4	VL	NT	-6.62	-0.003821	±2.5	PASS
Band4	1413	4	VH	NT	-7.70	-0.004444	±2.5	PASS
Band4	1413	5	VN	NT	-7.27	-0.004196	±2.5	PASS
Band4	1413	5	VL	NT	-7.22	-0.004167	±2.5	PASS
Band4	1413	5	VH	NT	-3.50	-0.002020	±2.5	PASS
Band4	1513	1	VN	NT	-5.36	-0.003058	±2.5	PASS
Band4	1513	1	VL	NT	-3.50	-0.001997	±2.5	PASS
Band4	1513	1	VH	NT	-3.96	-0.002260	±2.5	PASS
Band4	1513	2	VN	NT	-2.80	-0.001598	±2.5	PASS
Band4	1513	2	VL	NT	-2.95	-0.001683	±2.5	PASS
Band4	1513	2	VH	NT	-4.72	-0.002693	±2.5	PASS
Band4	1513	3	VN	NT	0.17	0.000097	±2.5	PASS
Band4	1513	3	VL	NT	-6.23	-0.003555	±2.5	PASS
Band4	1513	3	VH	NT	-5.96	-0.003401	±2.5	PASS
Band4	1513	4	VN	NT	-3.73	-0.002128	±2.5	PASS
Band4	1513	4	VL	NT	-4.28	-0.002442	±2.5	PASS
Band4	1513	4	VH	NT	-3.43	-0.001957	±2.5	PASS
Band4	1513	5	VN	NT	-3.48	-0.001986	±2.5	PASS
Band4	1513	5	VL	NT	-2.90	-0.001655	±2.5	PASS
Band4	1513	5	VH	NT	-3.50	-0.001997	±2.5	PASS

Temperature								
Band	Channel	Sub Test	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	1	NV	-30	-4.03	-0.002353	±2.5	PASS
Band4	1312	1	NV	-20	-2.91	-0.001699	±2.5	PASS
Band4	1312	1	NV	-10	-2.54	-0.001483	±2.5	PASS
Band4	1312	1	NV	0	-3.23	-0.001886	±2.5	PASS
Band4	1312	1	NV	10	-2.28	-0.001331	±2.5	PASS
Band4	1312	1	NV	20	-3.07	-0.001793	±2.5	PASS
Band4	1312	1	NV	30	-1.24	-0.000724	±2.5	PASS
Band4	1312	1	NV	40	0.56	0.000327	±2.5	PASS
Band4	1312	1	NV	50	-0.63	-0.000368	±2.5	PASS
Band4	1312	2	NV	-30	-3.43	-0.002003	±2.5	PASS
Band4	1312	2	NV	-20	-4.59	-0.002680	±2.5	PASS
Band4	1312	2	NV	-10	-1.67	-0.000975	±2.5	PASS
Band4	1312	2	NV	0	-4.93	-0.002879	±2.5	PASS
Band4	1312	2	NV	10	-1.53	-0.000893	±2.5	PASS
Band4	1312	2	NV	20	-0.99	-0.000578	±2.5	PASS
Band4	1312	2	NV	30	-1.42	-0.000829	±2.5	PASS
Band4	1312	2	NV	40	-1.94	-0.001133	±2.5	PASS
Band4	1312	2	NV	50	-0.44	-0.000257	±2.5	PASS
Band4	1312	3	NV	-30	0.02	0.000012	±2.5	PASS
Band4	1312	3	NV	-20	-3.61	-0.002108	±2.5	PASS
Band4	1312	3	NV	-10	-2.59	-0.001512	±2.5	PASS
Band4	1312	3	NV	0	-2.26	-0.001320	±2.5	PASS
Band4	1312	3	NV	10	-4.02	-0.002348	±2.5	PASS
Band4	1312	3	NV	20	-4.14	-0.002418	±2.5	PASS

Band4	1312	3	NV	30	-2.80	-0.001635	±2.5	PASS
Band4	1312	3	NV	40	-3.65	-0.002132	±2.5	PASS
Band4	1312	3	NV	50	-2.71	-0.001583	±2.5	PASS
Band4	1312	4	NV	-30	-3.65	-0.002132	±2.5	PASS
Band4	1312	4	NV	-20	-3.99	-0.002330	±2.5	PASS
Band4	1312	4	NV	-10	-4.08	-0.002383	±2.5	PASS
Band4	1312	4	NV	0	-0.72	-0.000420	±2.5	PASS
Band4	1312	4	NV	10	-1.85	-0.001080	±2.5	PASS
Band4	1312	4	NV	20	-1.35	-0.000788	±2.5	PASS
Band4	1312	4	NV	30	0.80	0.000467	±2.5	PASS
Band4	1312	4	NV	40	-2.04	-0.001191	±2.5	PASS
Band4	1312	4	NV	50	-0.59	-0.000345	±2.5	PASS
Band4	1312	5	NV	-30	-3.50	-0.002044	±2.5	PASS
Band4	1312	5	NV	-20	-1.55	-0.000905	±2.5	PASS
Band4	1312	5	NV	-10	-3.38	-0.001974	±2.5	PASS
Band4	1312	5	NV	0	-0.06	-0.000035	±2.5	PASS
Band4	1312	5	NV	10	1.72	0.001004	±2.5	PASS
Band4	1312	5	NV	20	-0.13	-0.000076	±2.5	PASS
Band4	1312	5	NV	30	0.92	0.000537	±2.5	PASS
Band4	1312	5	NV	40	-1.24	-0.000724	±2.5	PASS
Band4	1312	5	NV	50	1.23	0.000718	±2.5	PASS
Band4	1413	1	NV	-30	-5.81	-0.003353	±2.5	PASS
Band4	1413	1	NV	-20	-9.36	-0.005402	±2.5	PASS
Band4	1413	1	NV	-10	-5.75	-0.003319	±2.5	PASS
Band4	1413	1	NV	0	-5.11	-0.002949	±2.5	PASS
Band4	1413	1	NV	10	-0.62	-0.000358	±2.5	PASS
Band4	1413	1	NV	20	-4.06	-0.002343	±2.5	PASS
Band4	1413	1	NV	30	-2.50	-0.001443	±2.5	PASS
Band4	1413	1	NV	40	-2.75	-0.001587	±2.5	PASS
Band4	1413	1	NV	50	-5.36	-0.003094	±2.5	PASS
Band4	1413	2	NV	-30	-3.92	-0.002262	±2.5	PASS
Band4	1413	2	NV	-20	-4.00	-0.002309	±2.5	PASS
Band4	1413	2	NV	-10	-3.20	-0.001847	±2.5	PASS
Band4	1413	2	NV	0	-2.27	-0.001310	±2.5	PASS
Band4	1413	2	NV	10	-0.41	-0.000237	±2.5	PASS
Band4	1413	2	NV	20	-2.67	-0.001541	±2.5	PASS
Band4	1413	2	NV	30	-2.05	-0.001183	±2.5	PASS
Band4	1413	2	NV	40	-3.71	-0.002141	±2.5	PASS
Band4	1413	2	NV	50	-5.16	-0.002978	±2.5	PASS
Band4	1413	3	NV	-30	-7.04	-0.004063	±2.5	PASS
Band4	1413	3	NV	-20	-4.59	-0.002649	±2.5	PASS
Band4	1413	3	NV	-10	-5.02	-0.002897	±2.5	PASS
Band4	1413	3	NV	0	-4.89	-0.002822	±2.5	PASS
Band4	1413	3	NV	10	-4.23	-0.002441	±2.5	PASS
Band4	1413	3	NV	20	-2.14	-0.001235	±2.5	PASS
Band4	1413	3	NV	30	-0.55	-0.000317	±2.5	PASS
Band4	1413	3	NV	40	-3.20	-0.001847	±2.5	PASS
Band4	1413	3	NV	50	-7.25	-0.004184	±2.5	PASS
Band4	1413	4	NV	-30	-5.18	-0.002990	±2.5	PASS
Band4	1413	4	NV	-20	-4.13	-0.002384	±2.5	PASS
Band4	1413	4	NV	-10	-1.05	-0.000606	±2.5	PASS
Band4	1413	4	NV	0	-4.14	-0.002389	±2.5	PASS
Band4	1413	4	NV	10	-4.49	-0.002591	±2.5	PASS
Band4	1413	4	NV	20	-5.89	-0.003400	±2.5	PASS
Band4	1413	4	NV	30	-1.82	-0.001050	±2.5	PASS
Band4	1413	4	NV	40	-4.13	-0.002384	±2.5	PASS
Band4	1413	4	NV	50	-3.58	-0.002066	±2.5	PASS

Band4	1413	5	NV	-30	-2.80	-0.001616	±2.5	PASS
Band4	1413	5	NV	-20	-1.54	-0.000889	±2.5	PASS
Band4	1413	5	NV	-10	-2.46	-0.001420	±2.5	PASS
Band4	1413	5	NV	0	-8.12	-0.004687	±2.5	PASS
Band4	1413	5	NV	10	-7.94	-0.004583	±2.5	PASS
Band4	1413	5	NV	20	-5.59	-0.003226	±2.5	PASS
Band4	1413	5	NV	30	-2.02	-0.001166	±2.5	PASS
Band4	1413	5	NV	40	-1.45	-0.000837	±2.5	PASS
Band4	1413	5	NV	50	-5.46	-0.003151	±2.5	PASS
Band4	1513	1	NV	-30	-2.60	-0.001484	±2.5	PASS
Band4	1513	1	NV	-20	-4.68	-0.002670	±2.5	PASS
Band4	1513	1	NV	-10	-1.50	-0.000856	±2.5	PASS
Band4	1513	1	NV	0	-3.22	-0.001837	±2.5	PASS
Band4	1513	1	NV	10	-3.30	-0.001883	±2.5	PASS
Band4	1513	1	NV	20	-3.10	-0.001769	±2.5	PASS
Band4	1513	1	NV	30	-3.87	-0.002208	±2.5	PASS
Band4	1513	1	NV	40	-1.84	-0.001050	±2.5	PASS
Band4	1513	1	NV	50	-2.96	-0.001689	±2.5	PASS
Band4	1513	2	NV	-30	-3.49	-0.001991	±2.5	PASS
Band4	1513	2	NV	-20	-8.37	-0.004776	±2.5	PASS
Band4	1513	2	NV	-10	-5.06	-0.002887	±2.5	PASS
Band4	1513	2	NV	0	-5.09	-0.002904	±2.5	PASS
Band4	1513	2	NV	10	-3.76	-0.002145	±2.5	PASS
Band4	1513	2	NV	20	-4.07	-0.002322	±2.5	PASS
Band4	1513	2	NV	30	-3.28	-0.001872	±2.5	PASS
Band4	1513	2	NV	40	-3.98	-0.002271	±2.5	PASS
Band4	1513	2	NV	50	-3.35	-0.001911	±2.5	PASS
Band4	1513	3	NV	-30	-2.33	-0.001329	±2.5	PASS
Band4	1513	3	NV	-20	-3.43	-0.001957	±2.5	PASS
Band4	1513	3	NV	-10	-0.40	-0.000228	±2.5	PASS
Band4	1513	3	NV	0	-0.94	-0.000536	±2.5	PASS
Band4	1513	3	NV	10	-6.19	-0.003532	±2.5	PASS
Band4	1513	3	NV	20	-3.97	-0.002265	±2.5	PASS
Band4	1513	3	NV	30	-7.39	-0.004217	±2.5	PASS
Band4	1513	3	NV	40	-6.79	-0.003874	±2.5	PASS
Band4	1513	3	NV	50	-6.02	-0.003435	±2.5	PASS
Band4	1513	4	NV	-30	-4.86	-0.002773	±2.5	PASS
Band4	1513	4	NV	-20	-2.68	-0.001529	±2.5	PASS
Band4	1513	4	NV	-10	-3.78	-0.002157	±2.5	PASS
Band4	1513	4	NV	0	-1.27	-0.000725	±2.5	PASS
Band4	1513	4	NV	10	-5.38	-0.003070	±2.5	PASS
Band4	1513	4	NV	20	-5.82	-0.003321	±2.5	PASS
Band4	1513	4	NV	30	-6.98	-0.003983	±2.5	PASS
Band4	1513	4	NV	40	-4.42	-0.002522	±2.5	PASS
Band4	1513	4	NV	50	-4.61	-0.002630	±2.5	PASS
Band4	1513	5	NV	-30	-5.46	-0.003115	±2.5	PASS
Band4	1513	5	NV	-20	-2.34	-0.001335	±2.5	PASS
Band4	1513	5	NV	-10	-6.76	-0.003857	±2.5	PASS
Band4	1513	5	NV	0	-6.94	-0.003960	±2.5	PASS
Band4	1513	5	NV	10	-5.16	-0.002944	±2.5	PASS
Band4	1513	5	NV	20	-3.96	-0.002260	±2.5	PASS
Band4	1513	5	NV	30	-2.88	-0.001643	±2.5	PASS
Band4	1513	5	NV	40	-3.19	-0.001820	±2.5	PASS
Band4	1513	5	NV	50	-4.30	-0.002453	±2.5	PASS

1.7 Appendix G: Modulation Characteristics

1.7.1 Test Result

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

1.7.2 Test Graphs

