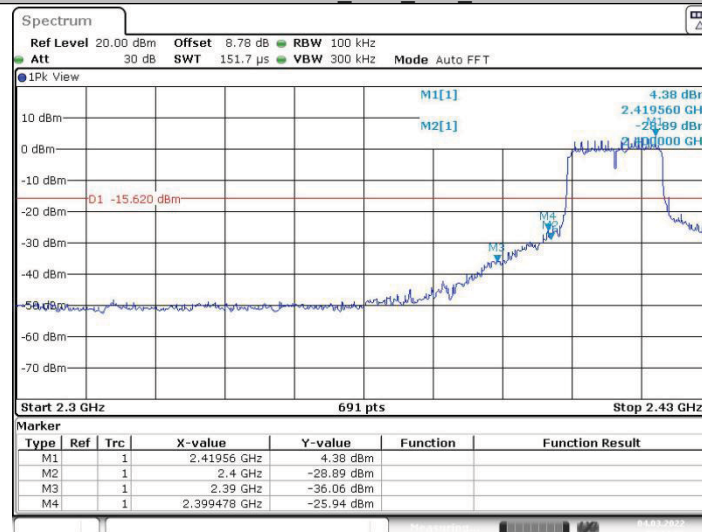


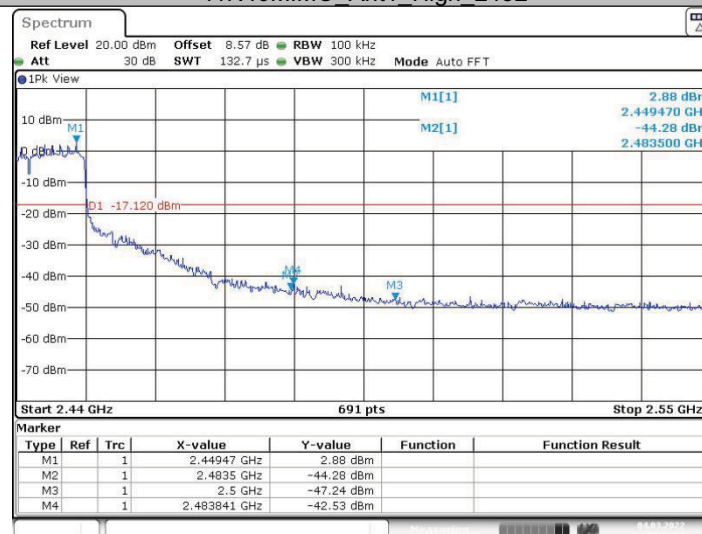
Date: 4.MAR.2022 09:50:37

11N40MIMO_Ant2_Low_2422



Date: 4.MAR.2022 09:52:01

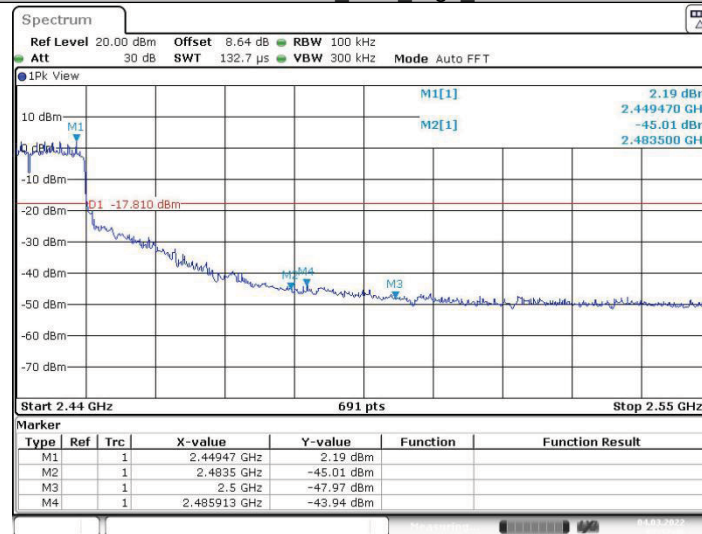
11N40MIMO_Ant1_High_2452



Date: 4.MAR.2022 09:56:04

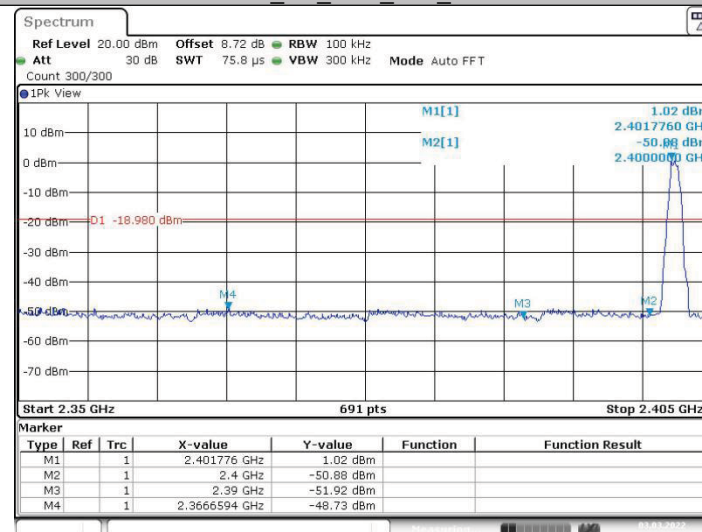


11N40MIMO_Ant2_High_2452



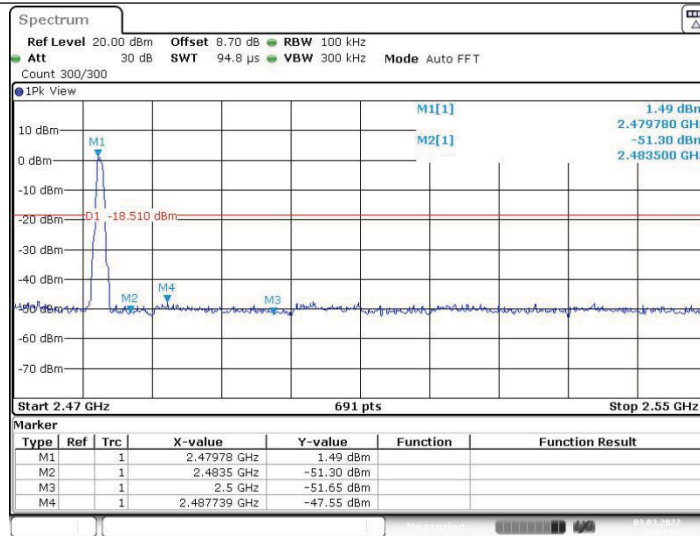
Date: 4.MAR.2022 09:57:40

BLE_1M_Ant1_Low_2402



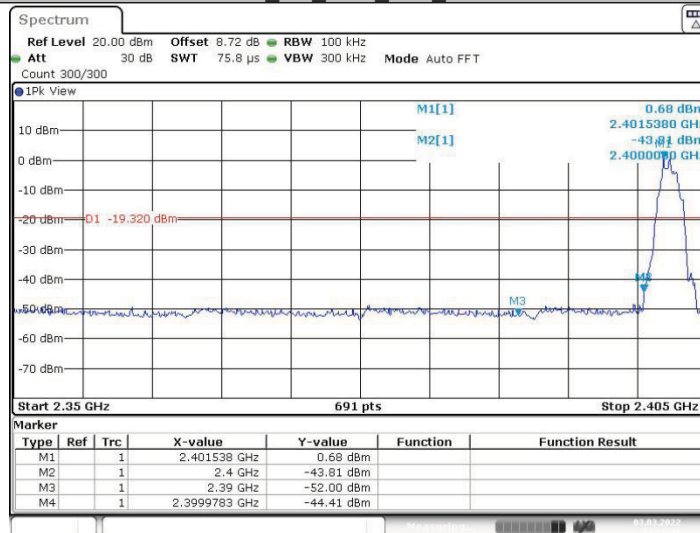
Date: 3.MAR.2022 13:05:54

BLE_1M_Ant1_High_2480



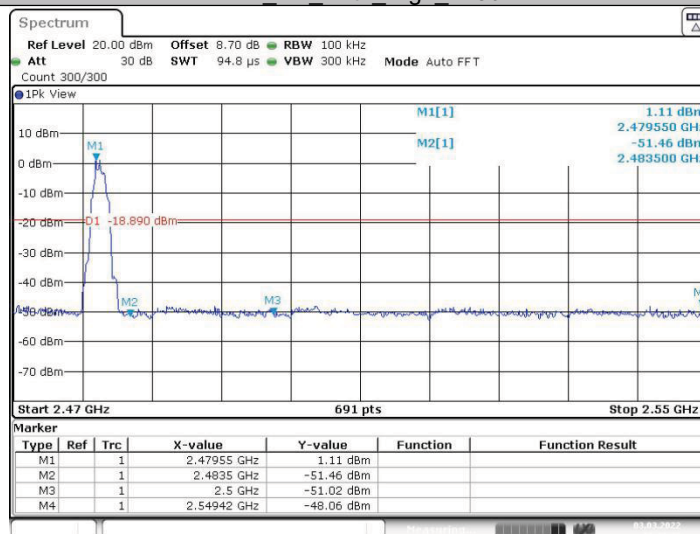
Date: 3.MAR.2022 13:09:31

BLE 2M Ant1 Low 2402



Date: 3.MAR.2022 13:10:48

BLE 2M Ant1 High 2480



Date: 3.MAR.2022 13:13:44



6.5 OUT OF BAND EMISSION MEASUREMENT

6.5.1 Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	8.95	8.95	---	PASS
			30~1000	8.95	-57.94	≤-21.05	PASS
			1000~26500	8.95	-43.23	≤-21.05	PASS
	Ant2	2412	Reference	8.34	8.34	---	PASS
			30~1000	8.34	-58.47	≤-21.66	PASS
			1000~26500	8.34	-44.44	≤-21.66	PASS
	Ant1	2437	Reference	9.11	9.11	---	PASS
			30~1000	9.11	-57.18	≤-20.89	PASS
			1000~26500	9.11	-43.83	≤-20.89	PASS
	Ant2	2437	Reference	8.54	8.54	---	PASS
			30~1000	8.54	-58.11	≤-21.46	PASS
			1000~26500	8.54	-44.45	≤-21.46	PASS
	Ant1	2462	Reference	19.66	19.66	---	PASS
			30~1000	19.66	-57.57	≤-10.34	PASS
			1000~26500	19.66	-43.45	≤-10.34	PASS
	Ant2	2462	Reference	8.28	8.28	---	PASS
			30~1000	8.28	-59.03	≤-21.72	PASS
			1000~26500	8.28	-45.22	≤-21.72	PASS
11G	Ant1	2412	Reference	5.46	5.46	---	PASS
			30~1000	5.46	-58.06	≤-24.54	PASS
			1000~26500	5.46	-45.73	≤-24.54	PASS
	Ant2	2412	Reference	4.92	4.92	---	PASS
			30~1000	4.92	-58.87	≤-25.08	PASS
			1000~26500	4.92	-47.93	≤-25.08	PASS
	Ant1	2437	Reference	5.71	5.71	---	PASS
			30~1000	5.71	-57.79	≤-24.29	PASS
			1000~26500	5.71	-46.34	≤-24.29	PASS
	Ant2	2437	Reference	4.80	4.80	---	PASS
			30~1000	4.80	-58.77	≤-25.2	PASS
			1000~26500	4.80	-47.94	≤-25.2	PASS
	Ant1	2462	Reference	5.52	5.52	---	PASS
			30~1000	5.52	-57.83	≤-24.48	PASS
			1000~26500	5.52	-45.56	≤-24.48	PASS
	Ant2	2462	Reference	4.59	4.59	---	PASS
			30~1000	4.59	-58.93	≤-25.41	PASS
			1000~26500	4.59	-48.36	≤-25.41	PASS
11N20MIMO	Ant1	2412	Reference	3.34	3.34	---	PASS
			30~1000	3.34	-57.69	≤-26.66	PASS
			1000~26500	3.34	-46.68	≤-26.66	PASS
	Ant2	2412	Reference	3.97	3.97	---	PASS
			30~1000	3.97	-58.56	≤-26.03	PASS
			1000~26500	3.97	-48.07	≤-26.03	PASS
	Ant1	2437	Reference	3.03	3.03	---	PASS
			30~1000	3.03	-56.64	≤-26.97	PASS
			1000~26500	3.03	-46.96	≤-26.97	PASS
	Ant2	2437	Reference	2.83	2.83	---	PASS
			30~1000	2.83	-58.27	≤-27.17	PASS
			1000~26500	2.83	-47.79	≤-27.17	PASS
	Ant1	2462	Reference	3.05	3.05	---	PASS
			Reference	3.05	3.05	---	PASS

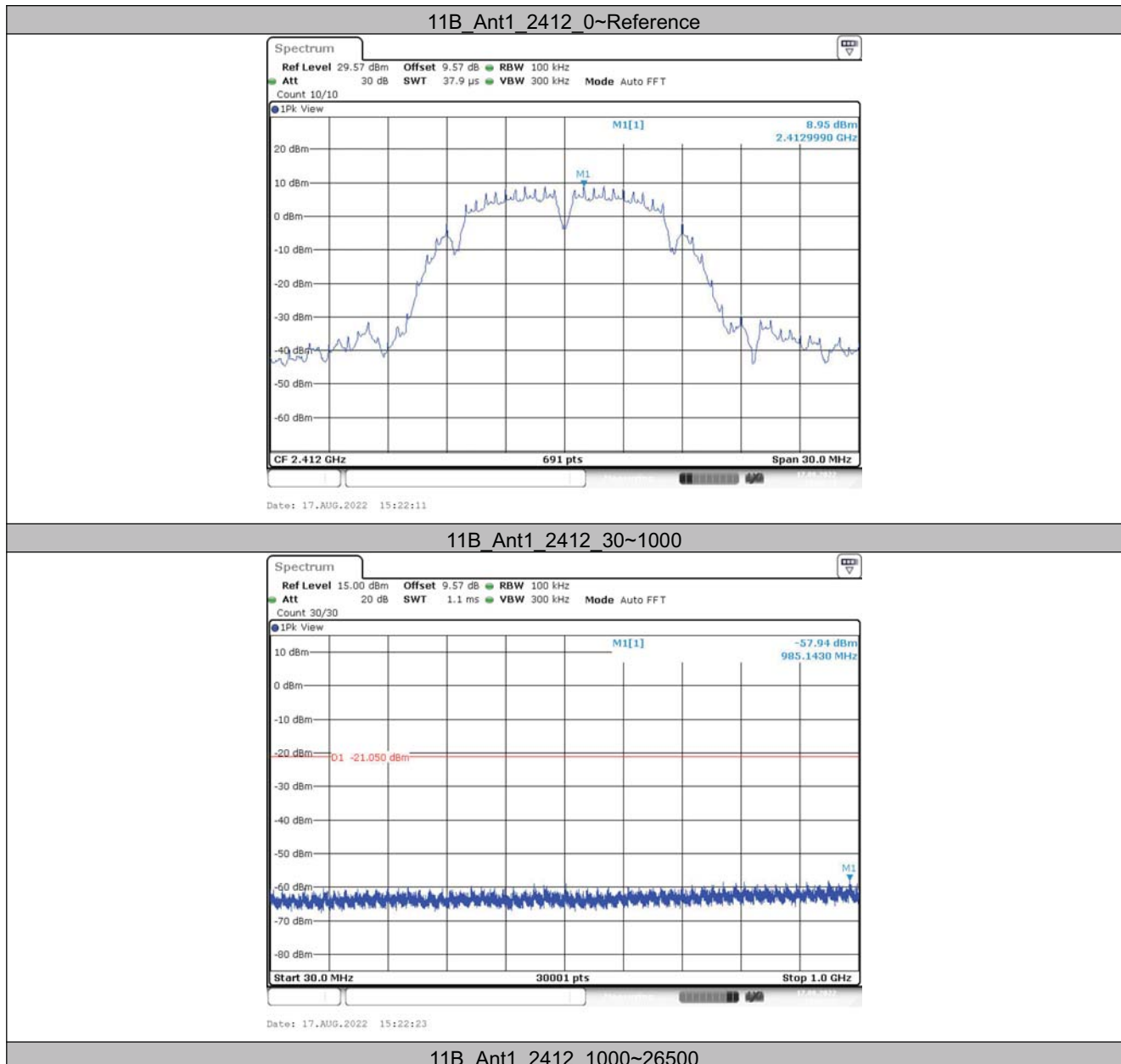


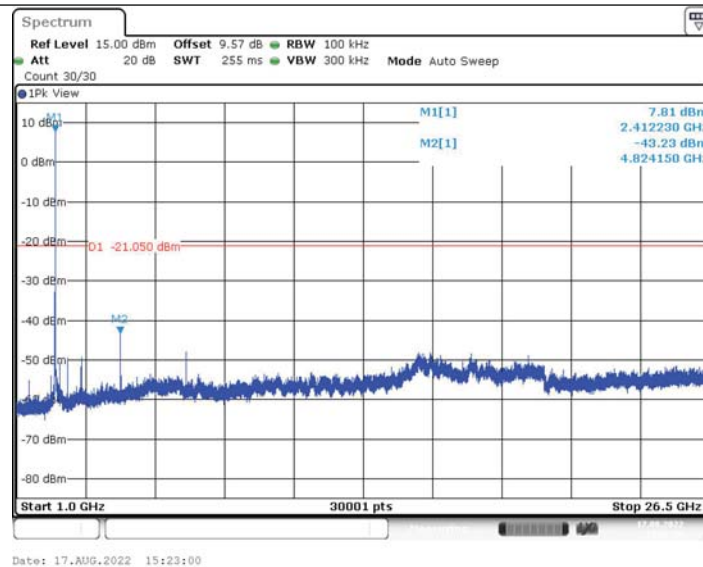
11N40MIMO	Ant2	2462	30~1000	3.05	-57.73	≤-26.95	PASS
			1000~26500	3.05	-47.24	≤-26.95	PASS
			Reference	4.05	4.05	---	PASS
			30~1000	4.05	-58.42	≤-25.95	PASS
			1000~26500	4.05	-48.51	≤-25.95	PASS
	Ant1	2422	Reference	0.14	0.14	---	PASS
			30~1000	0.14	-58.56	≤-29.86	PASS
			1000~26500	0.14	-39.84	≤-29.86	PASS
	Ant2	2422	Reference	0.98	0.98	---	PASS
			30~1000	0.98	-58.79	≤-29.02	PASS
			1000~26500	0.98	-48.24	≤-29.02	PASS
	Ant1	2437	Reference	0.23	0.23	---	PASS
			30~1000	0.23	-56.86	≤-29.77	PASS
			1000~26500	0.23	-40.4	≤-29.77	PASS
	Ant2	2437	Reference	-0.28	-0.28	---	PASS
			30~1000	-0.28	-58.91	≤-30.28	PASS
			1000~26500	-0.28	-48.73	≤-30.28	PASS
	Ant1	2452	Reference	0.41	0.41	---	PASS
			30~1000	0.41	-57.7	≤-29.59	PASS
			1000~26500	0.41	-42.12	≤-29.59	PASS
	Ant2	2452	Reference	2.37	2.37	---	PASS
			30~1000	2.37	-58.51	≤-27.63	PASS
			1000~26500	2.37	-47	≤-27.63	PASS

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	0.41	0.41	---	PASS
			30~1000	0.41	-57.54	≤-19.59	PASS
			1000~26500	0.41	-43.61	≤-19.59	PASS
		2440	Reference	0.96	0.96	---	PASS
			30~1000	0.96	-58.33	≤-19.04	PASS
			1000~26500	0.96	-43.28	≤-19.04	PASS
		2480	Reference	0.39	0.39	---	PASS
			30~1000	0.39	-59	≤-19.61	PASS
			1000~26500	0.39	-45.66	≤-19.61	PASS
BLE_2M	Ant1	2402	Reference	-0.47	-0.47	---	PASS
			30~1000	-0.47	-57.74	≤-20.47	PASS
			1000~26500	-0.47	-46.85	≤-20.47	PASS
		2440	Reference	0.15	0.15	---	PASS
			30~1000	0.15	-57.61	≤-19.85	PASS
			1000~26500	0.15	-46.22	≤-19.85	PASS
		2480	Reference	-0.61	-0.61	---	PASS
			30~1000	-0.61	-59.18	≤-20.61	PASS
			1000~26500	-0.61	-59.18	≤-20.61	PASS

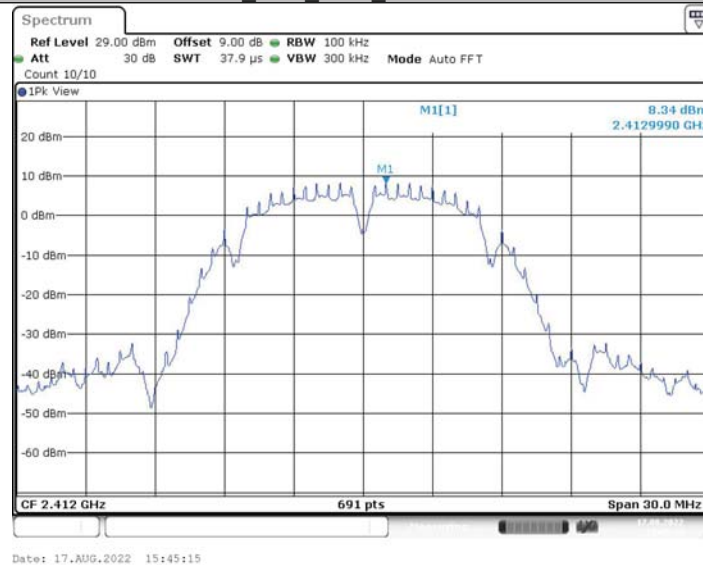


6.5.2 Test Graphs

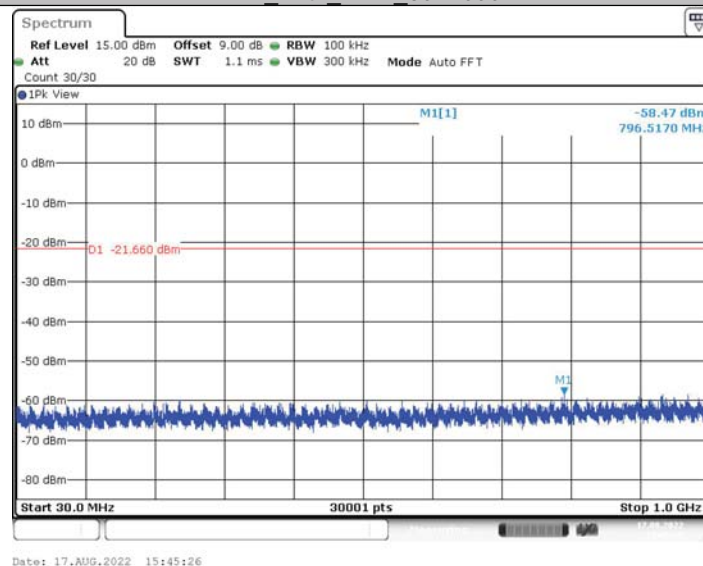




11B_Ant2_2412_0~Reference

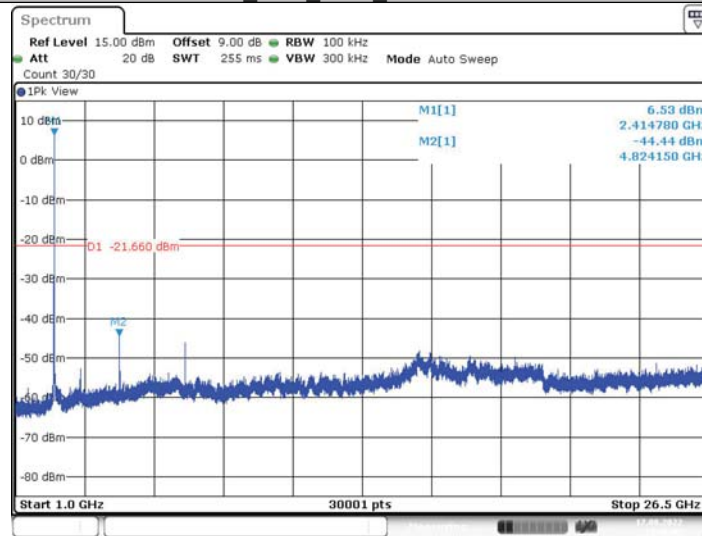


11B_Ant2_2412_30~1000





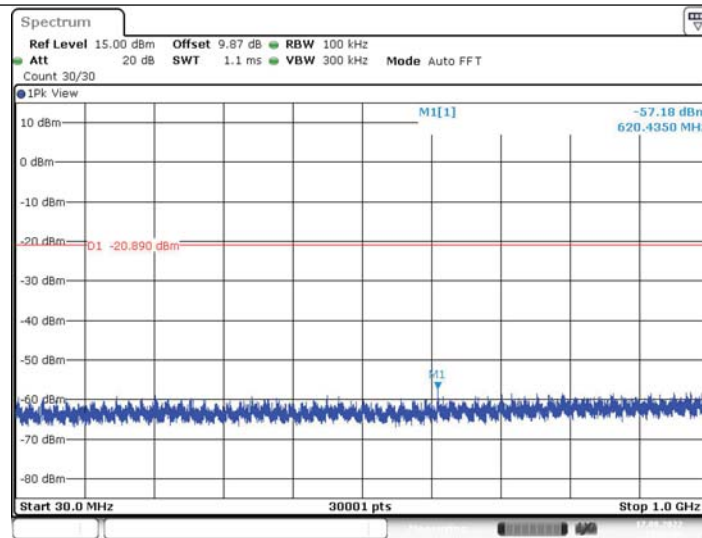
11B_Ant2_2412_1000~26500



11B_Ant1_2437_0~Reference

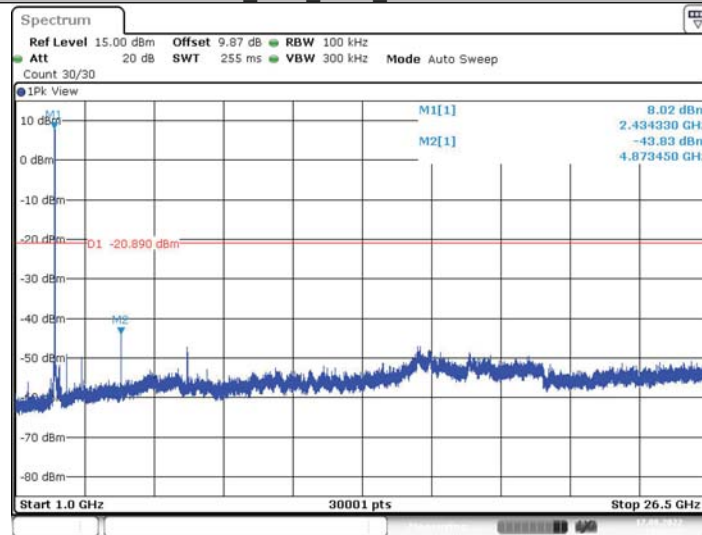


11B_Ant1_2437_30~1000



Date: 17.AUG.2022 15:26:50

11B_Ant1_2437_1000~26500



Date: 17.AUG.2022 15:27:27

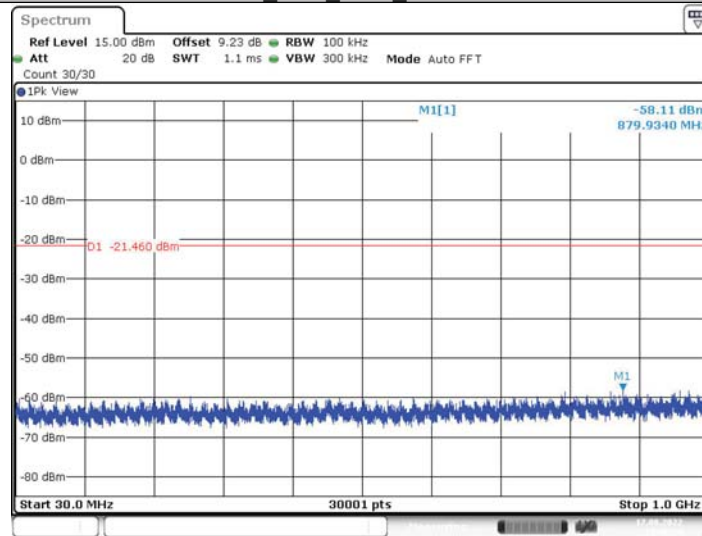
11B_Ant2_2437_0~Reference



Date: 17.AUG.2022 15:47:13

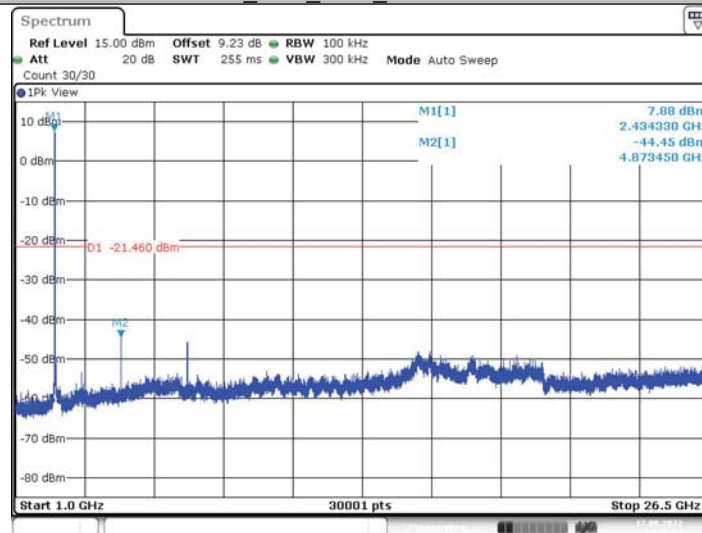


11B_Ant2_2437_30~1000



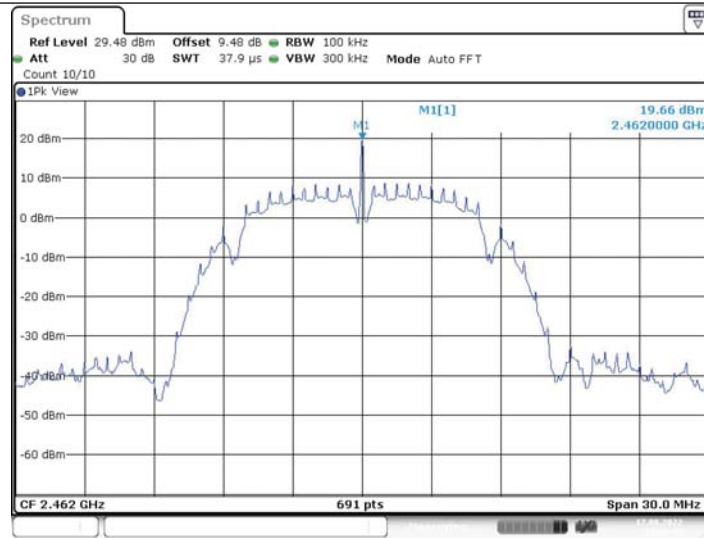
Date: 17.AUG.2022 15:47:25

11B_Ant2_2437_1000~26500



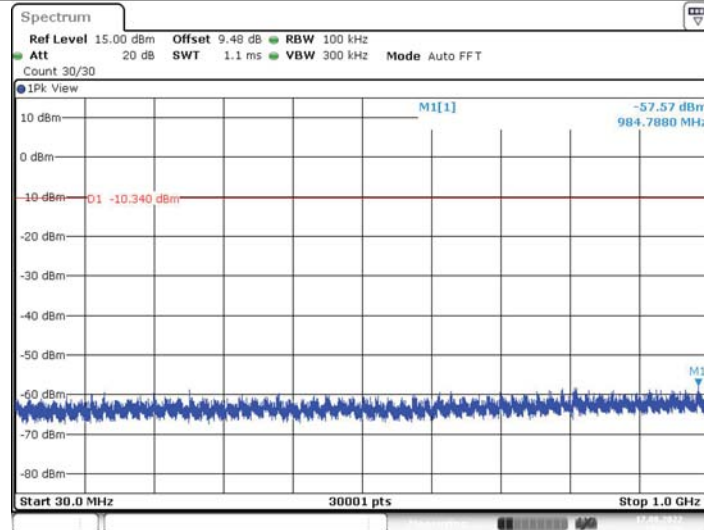
Date: 17.AUG.2022 15:48:02

11B_Ant1_2462_0~Reference



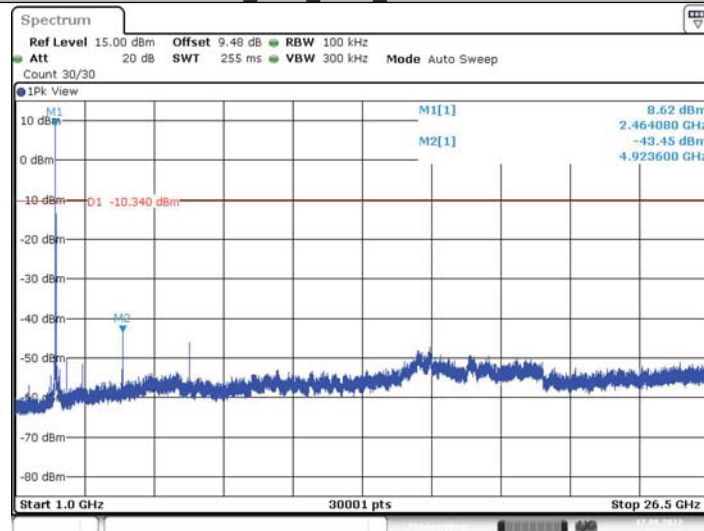
Date: 17.AUG.2022 15:27:48

11B_Ant1_2462_30~1000



Date: 17.AUG.2022 15:27:59

11B_Ant1_2462_1000~26500



Date: 17.AUG.2022 15:28:36

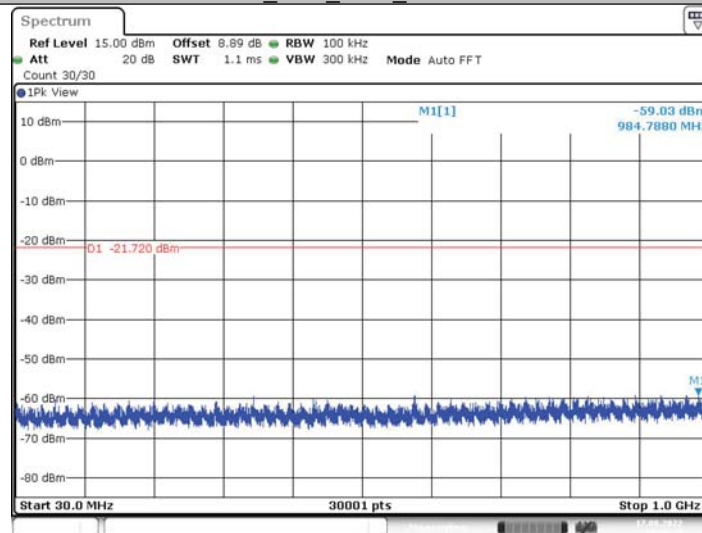


11B_Ant2_2462_0~Reference



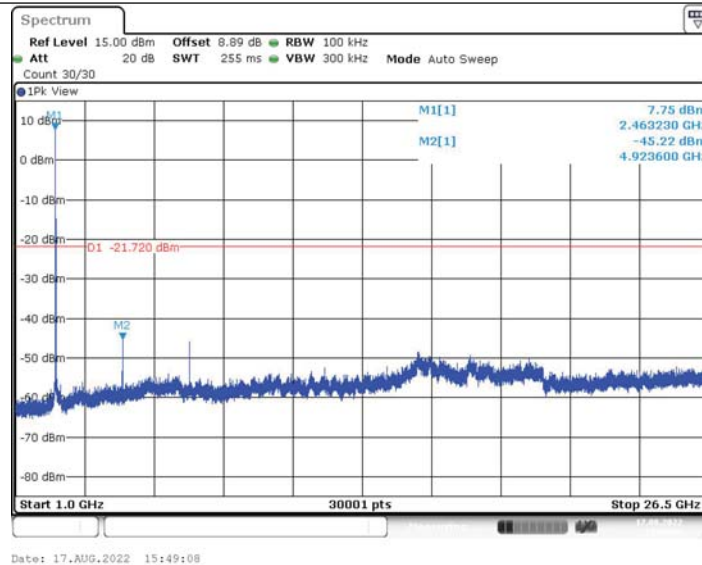
Date: 17.AUG.2022 15:48:20

11B_Ant2_2462_30~1000

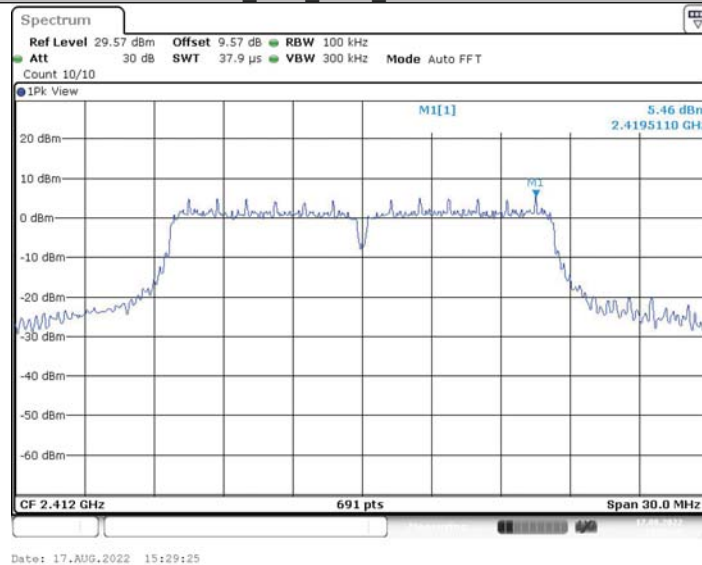


Date: 17.AUG.2022 15:48:31

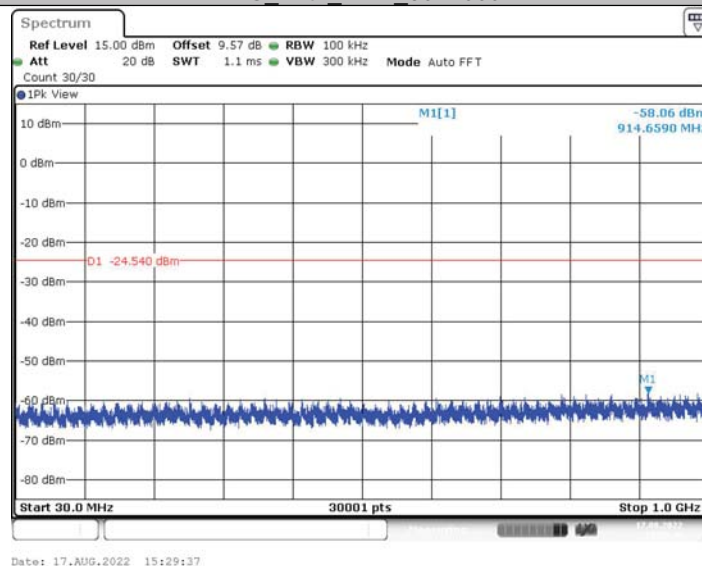
11B_Ant2_2462_1000~26500



11G_Ant1_2412_0~Reference

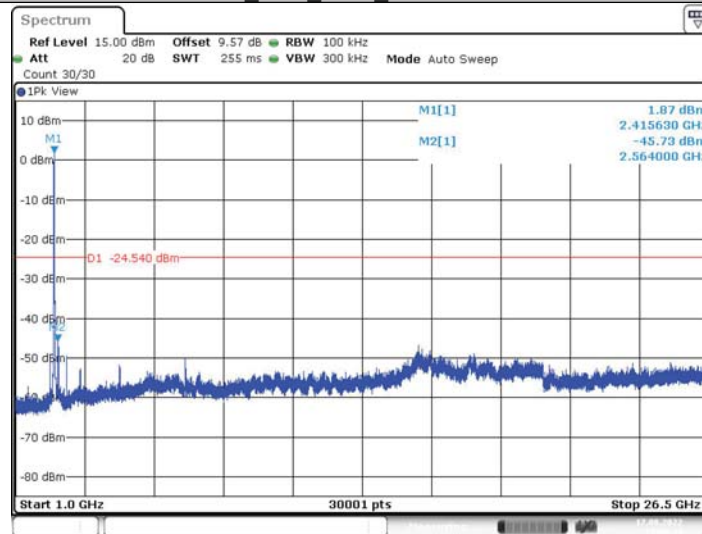


11G_Ant1_2412_30~1000



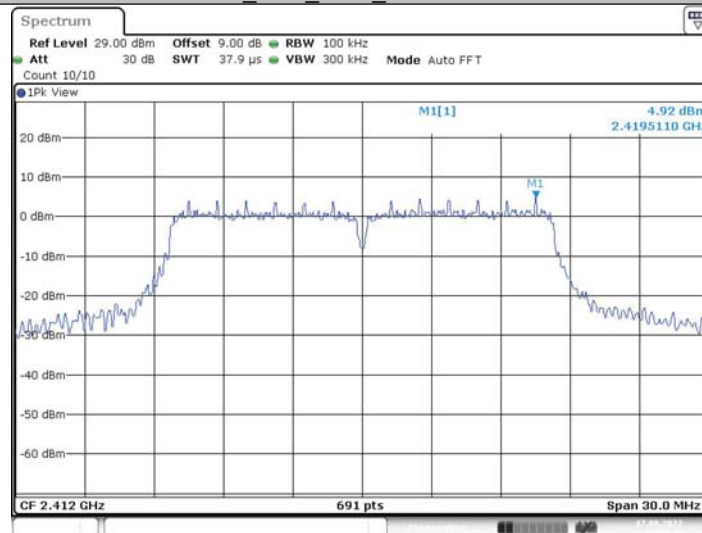


11G_Ant1_2412_1000~26500



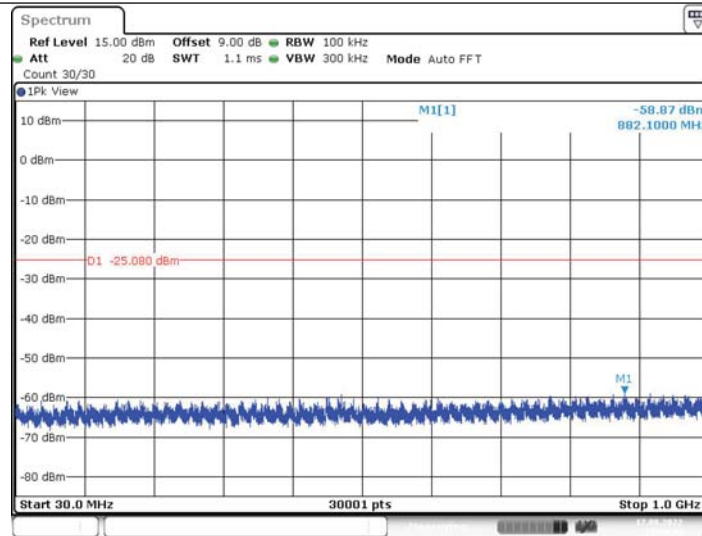
Date: 17.AUG.2022 15:30:14

11G_Ant2_2412_0~Reference



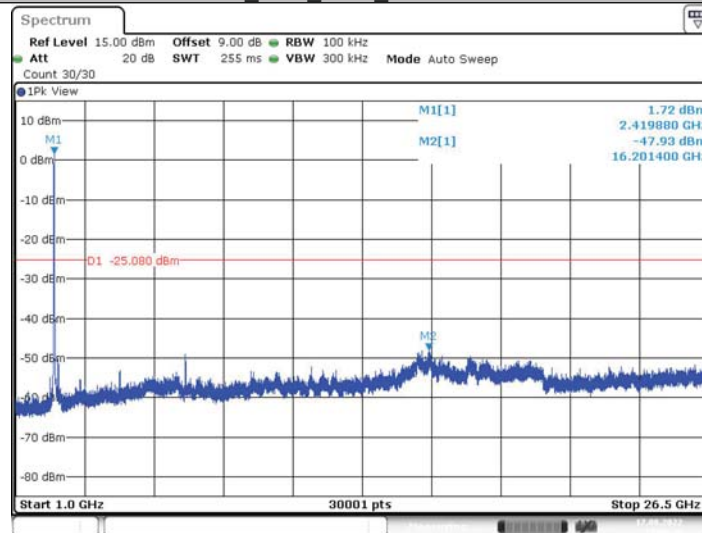
Date: 17.AUG.2022 15:49:32

11G_Ant2_2412_30~1000



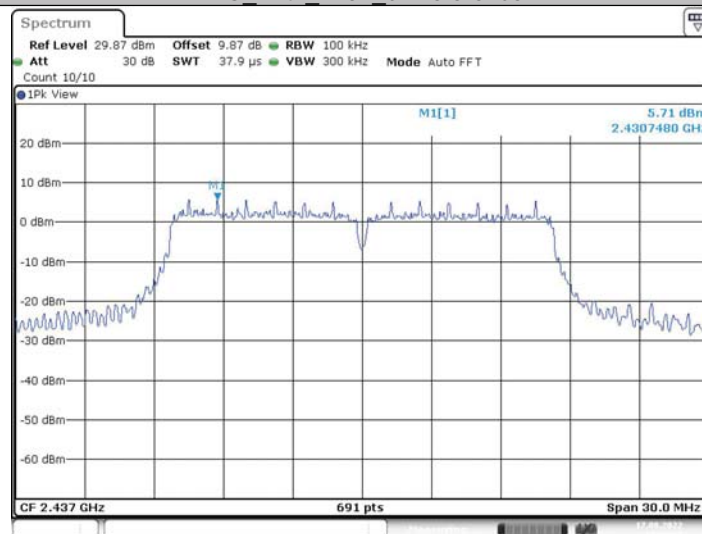
Date: 17.AUG.2022 15:49:44

11G_Ant2_2412_1000~26500



Date: 17.AUG.2022 15:50:21

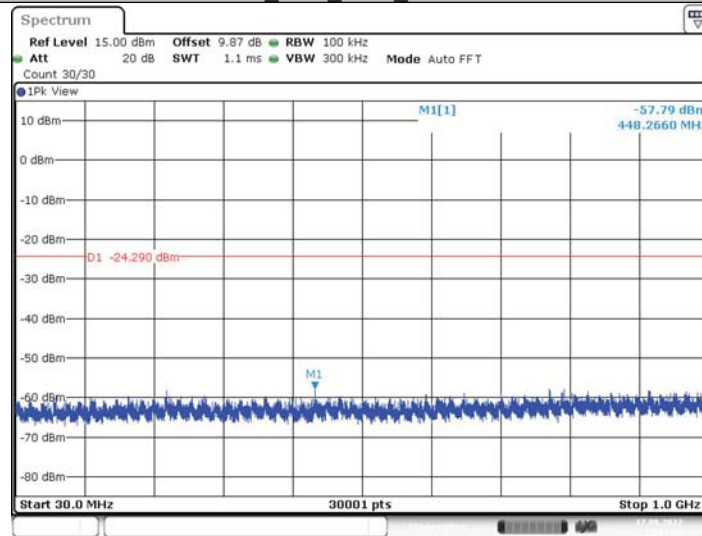
11G_Ant1_2437_0~Reference



Date: 17.AUG.2022 15:30:57

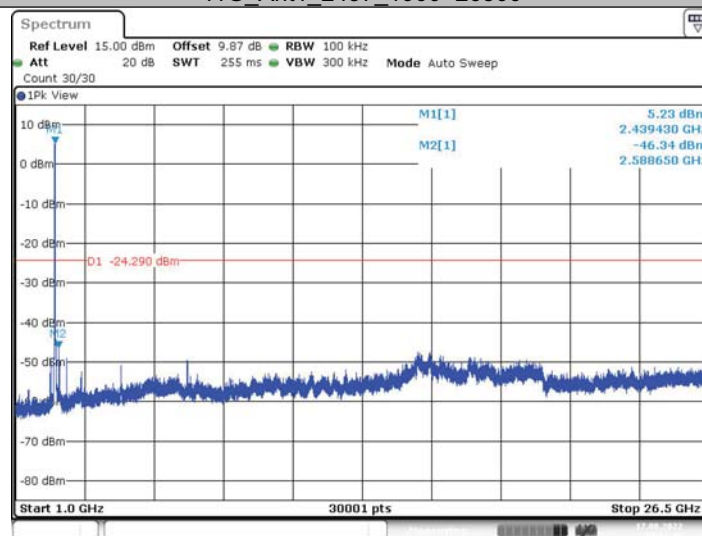


11G_Ant1_2437_30~1000



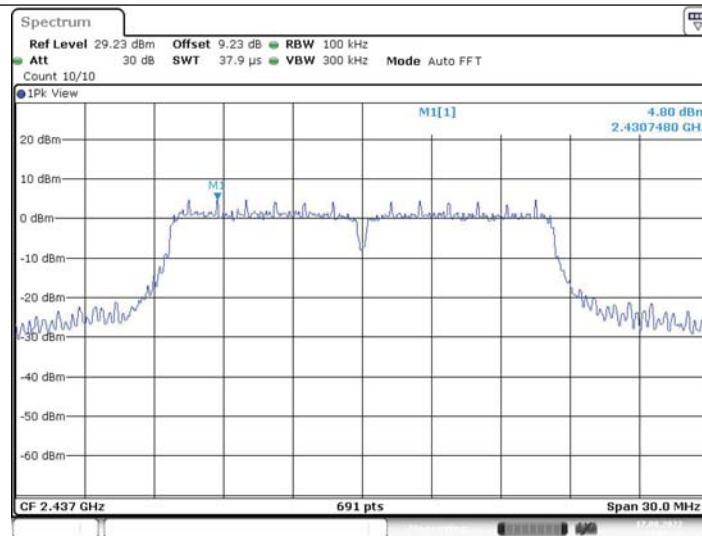
Date: 17.AUG.2022 15:31:08

11G_Ant1_2437_1000~26500



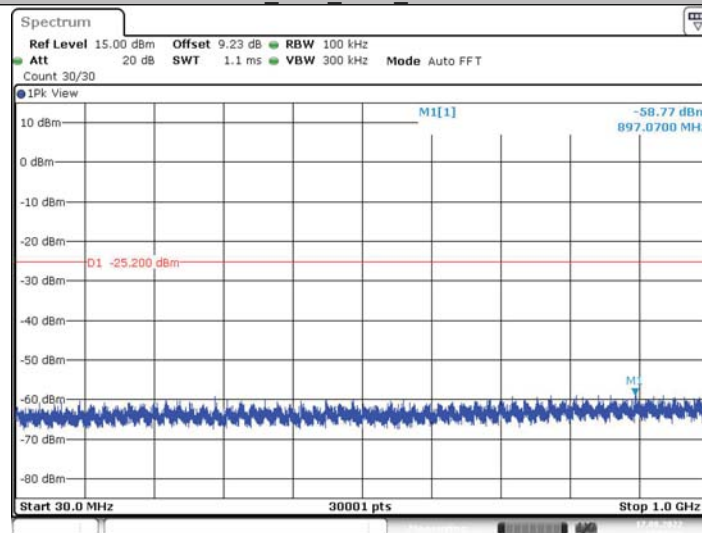
Date: 17.AUG.2022 15:31:45

11G_Ant2_2437_0~Reference



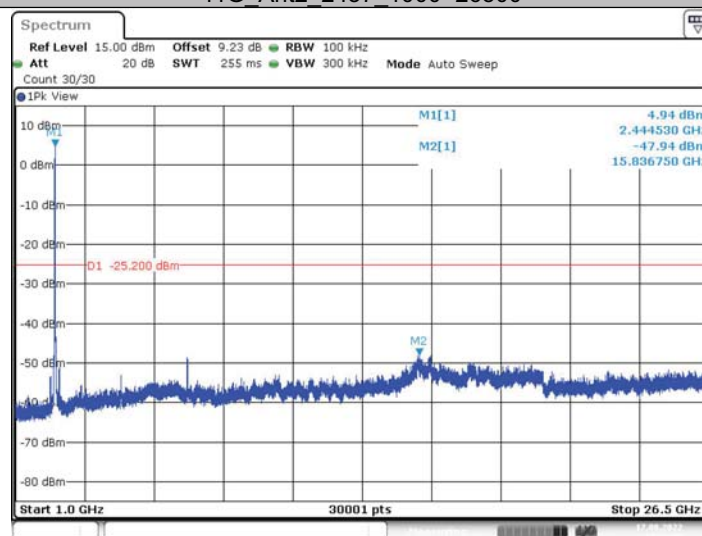
Date: 17.AUG.2022 15:51:17

11G_Ant2_2437_30~1000



Date: 17.AUG.2022 15:51:28

11G_Ant2_2437_1000~26500



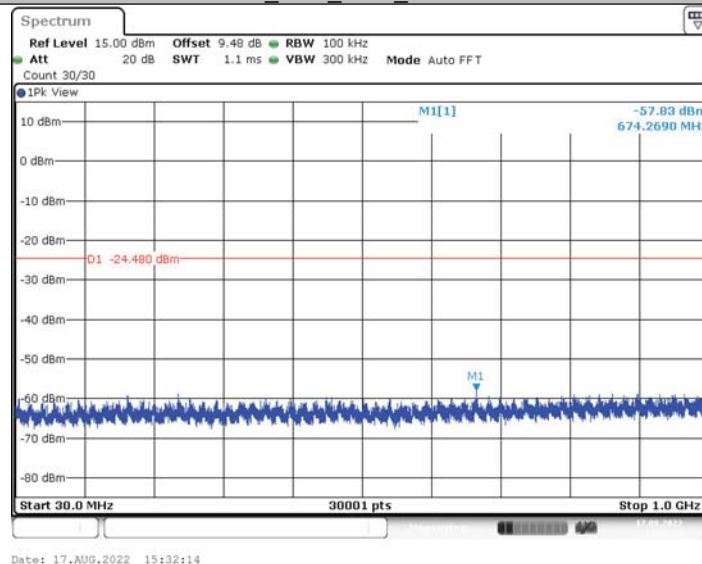
Date: 17.AUG.2022 15:52:05



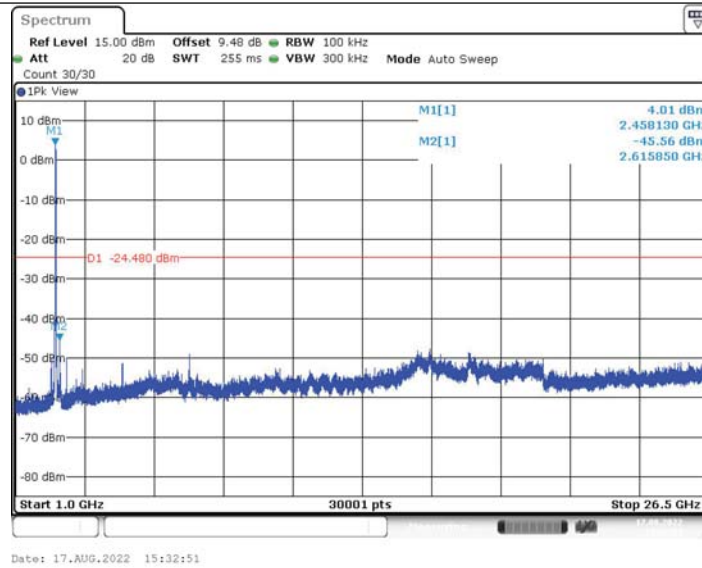
11G_Ant1_2462_0~Reference



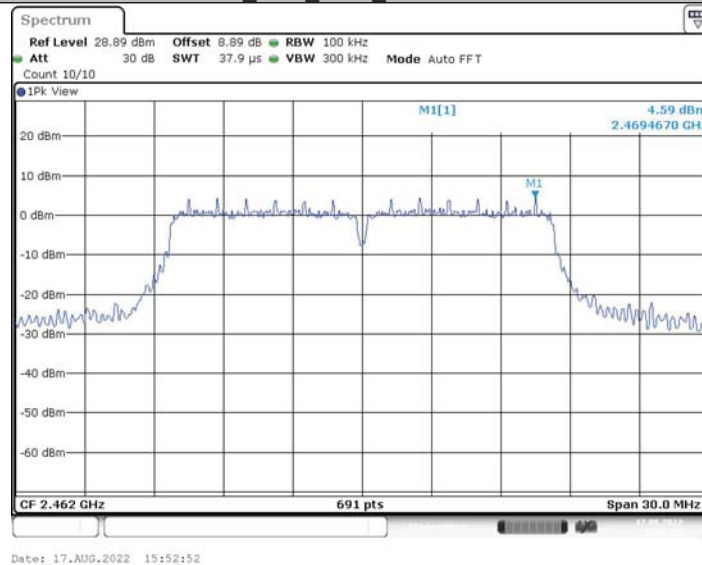
11G_Ant1_2462_30~1000



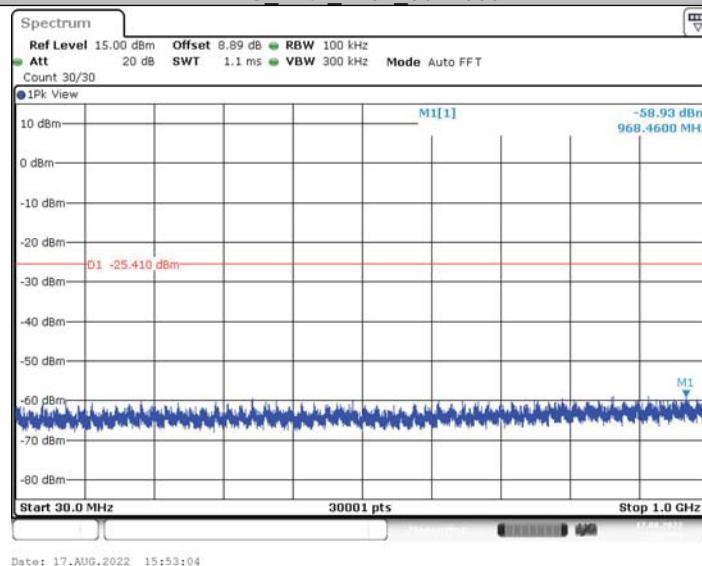
11G_Ant1_2462_1000~26500



11G_Ant2_2462_0~Reference

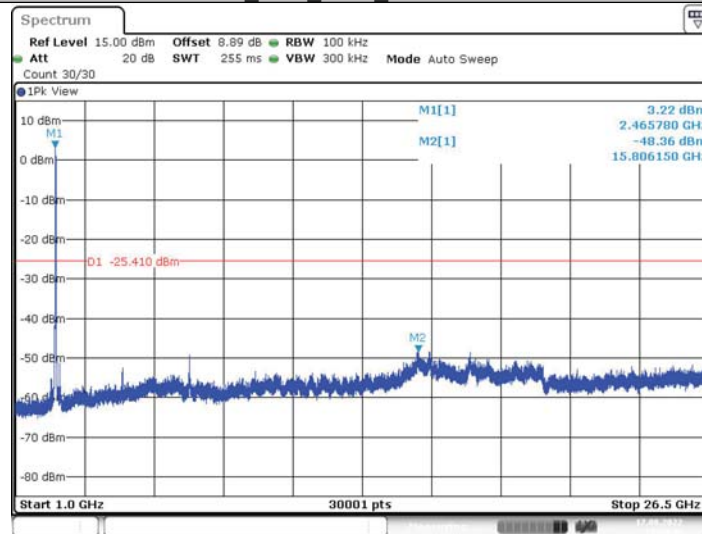


11G_Ant2_2462_30~1000



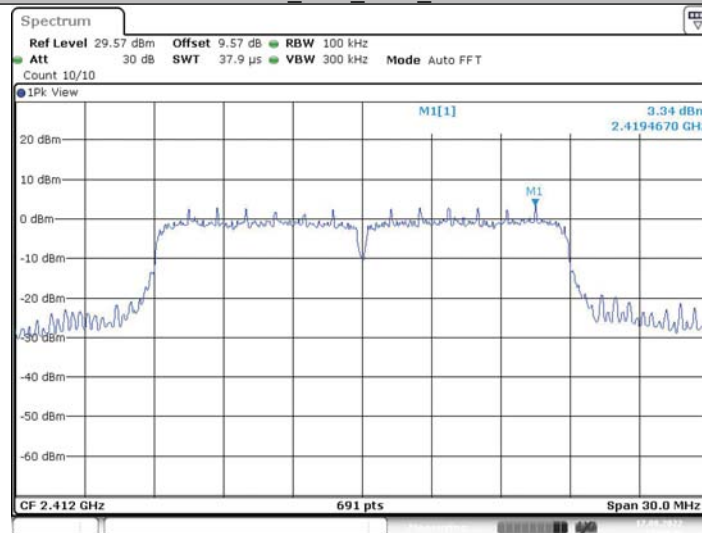


11G_Ant2_2462_1000~26500



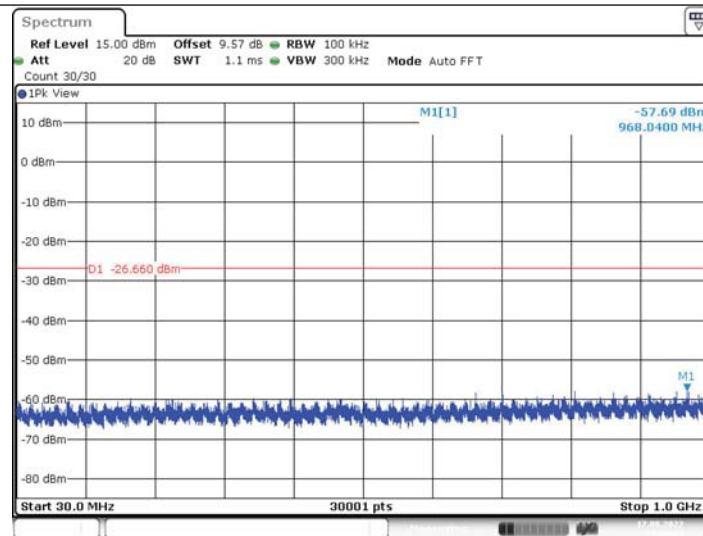
Date: 17.AUG.2022 15:53:41

11N20MIMO_Ant1_2412_0~Reference



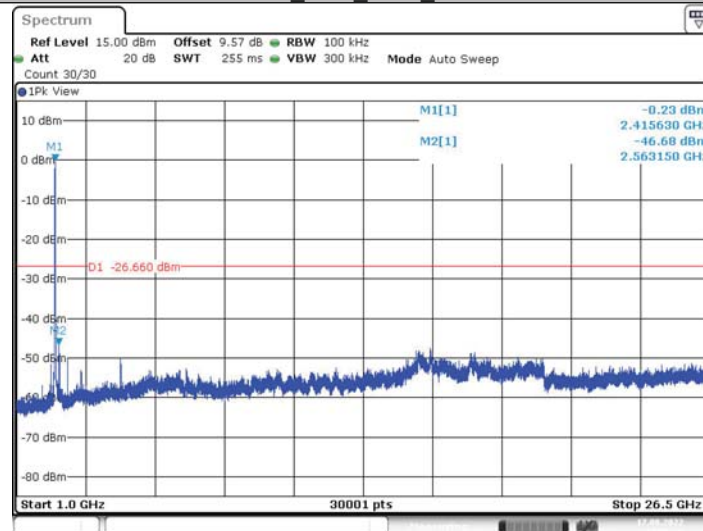
Date: 17.AUG.2022 15:54:40

11N20MIMO_Ant1_2412_30~1000



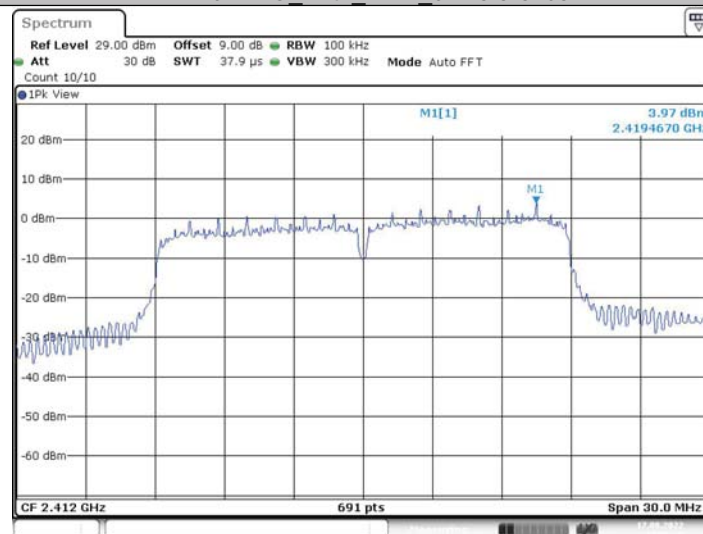
Date: 17.AUG.2022 15:54:52

11N20MIMO_Ant1_2412_1000~26500



Date: 17.AUG.2022 15:55:29

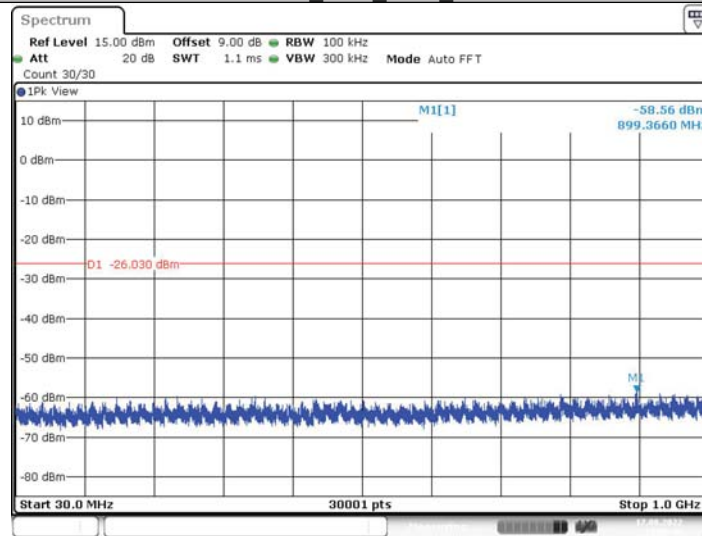
11N20MIMO_Ant2_2412_0~Reference



Date: 17.AUG.2022 15:55:36

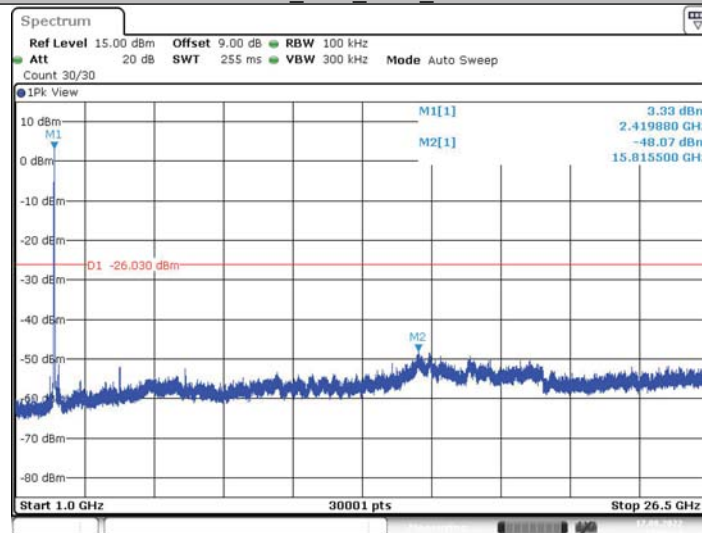


11N20MIMO_Ant2_2412_30~1000



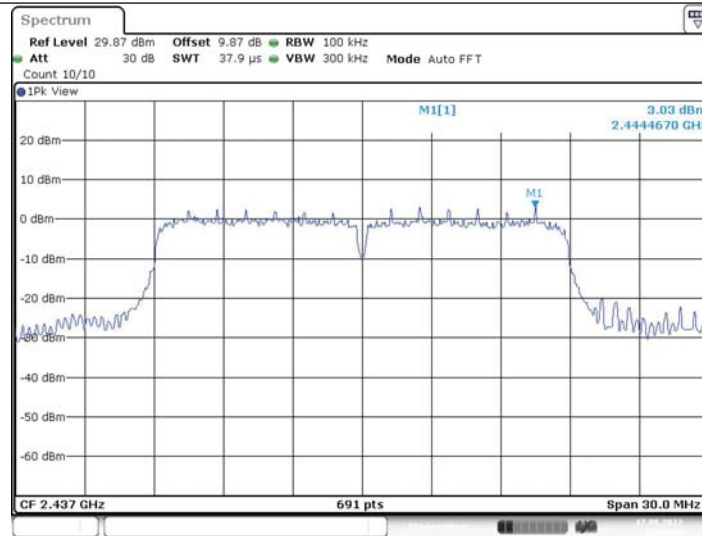
Date: 17.AUG.2022 15:55:47

11N20MIMO_Ant2_2412_1000~26500



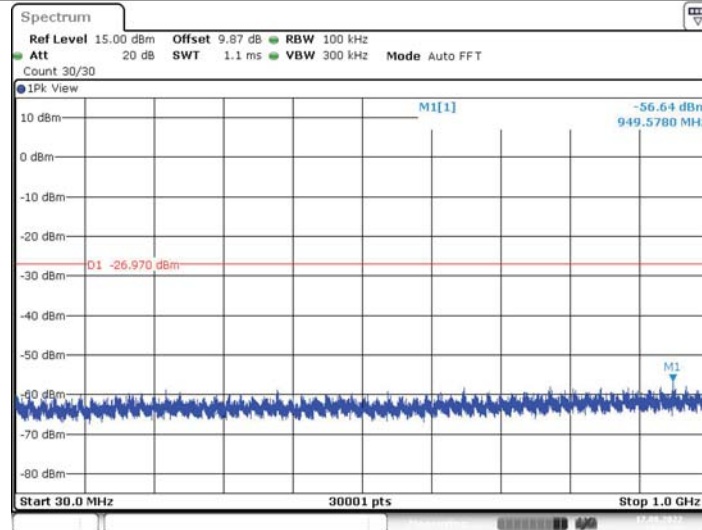
Date: 17.AUG.2022 15:56:24

11N20MIMO_Ant1_2437_0~Reference



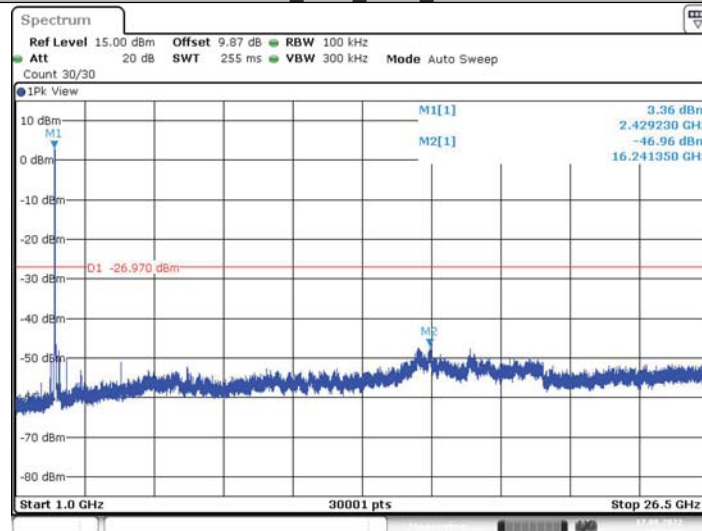
Date: 17.AUG.2022 15:57:05

11N20MIMO_Ant1_2437_30~1000



Date: 17.AUG.2022 15:57:16

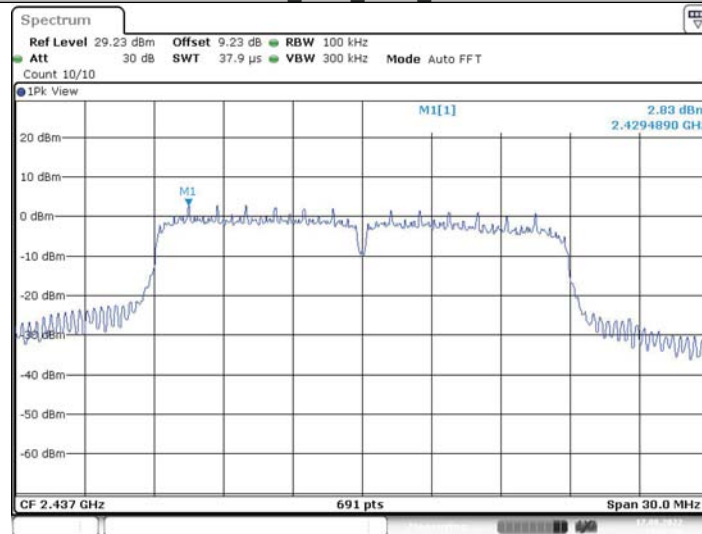
11N20MIMO_Ant1_2437_1000~26500



Date: 17.AUG.2022 15:57:53

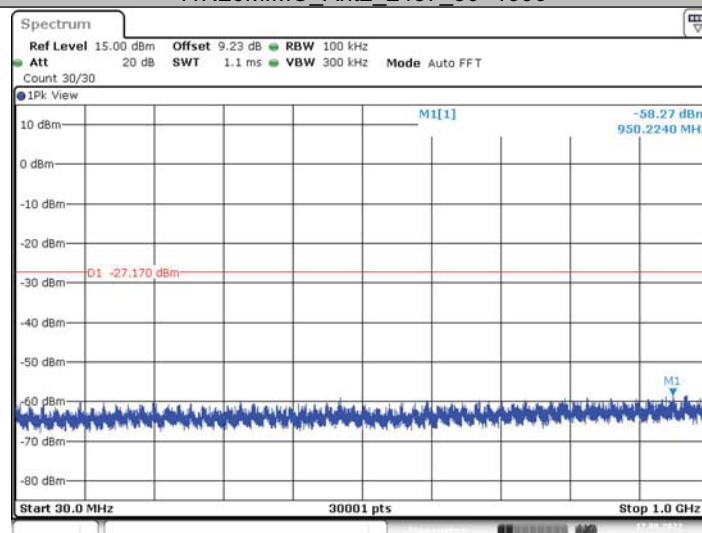


11N20MIMO_Ant2_2437_0~Reference



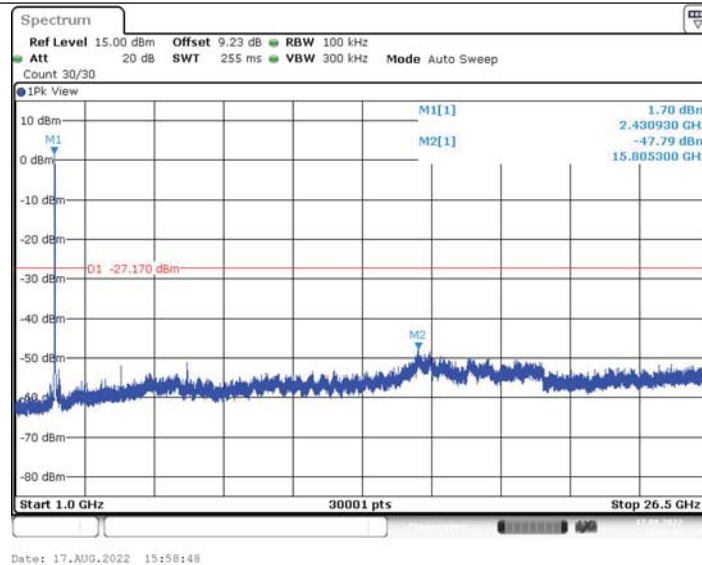
Date: 17.AUG.2022 15:58:00

11N20MIMO_Ant2_2437_30~1000

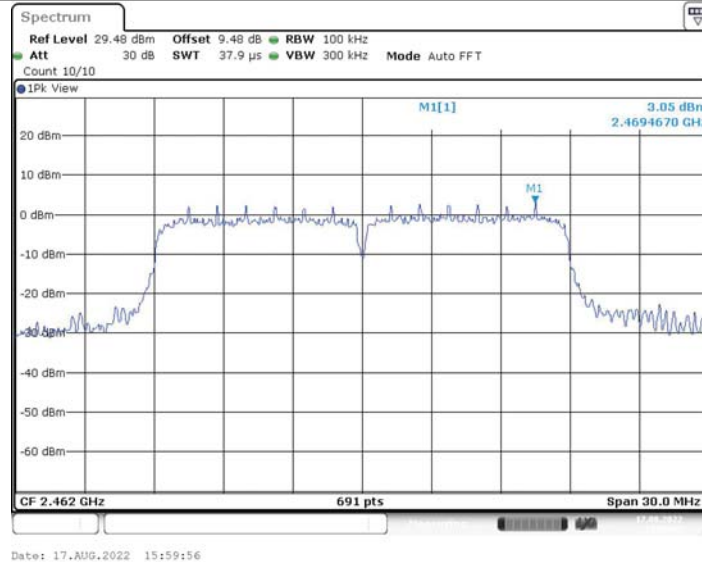


Date: 17.AUG.2022 15:58:11

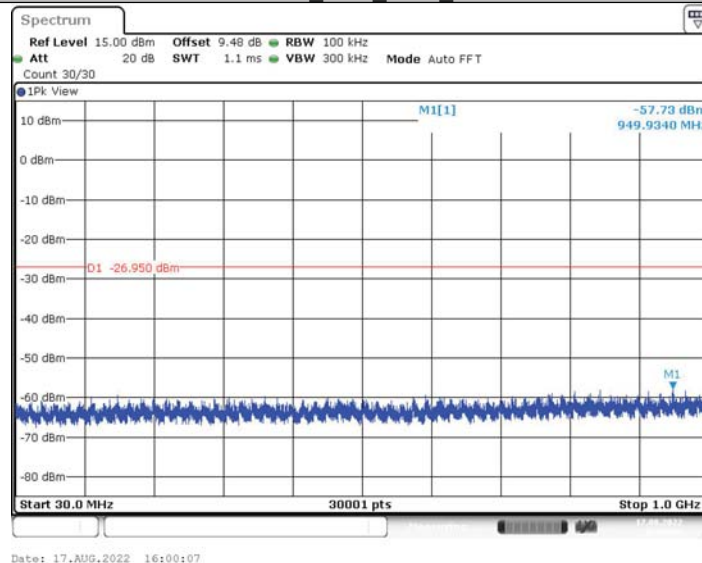
11N20MIMO_Ant2_2437_1000~26500



11N20MIMO_Ant1_2462_0~Reference

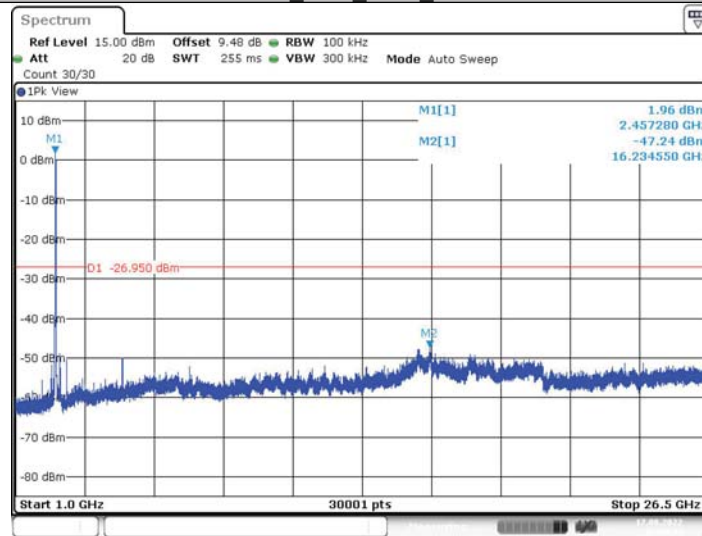


11N20MIMO_Ant1_2462_30~1000





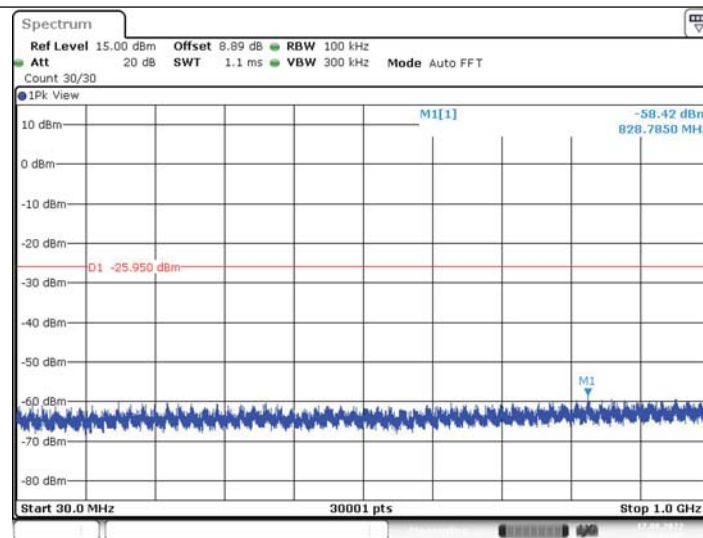
11N20MIMO_Ant1_2462_1000~26500



11N20MIMO_Ant2_2462_0~Reference

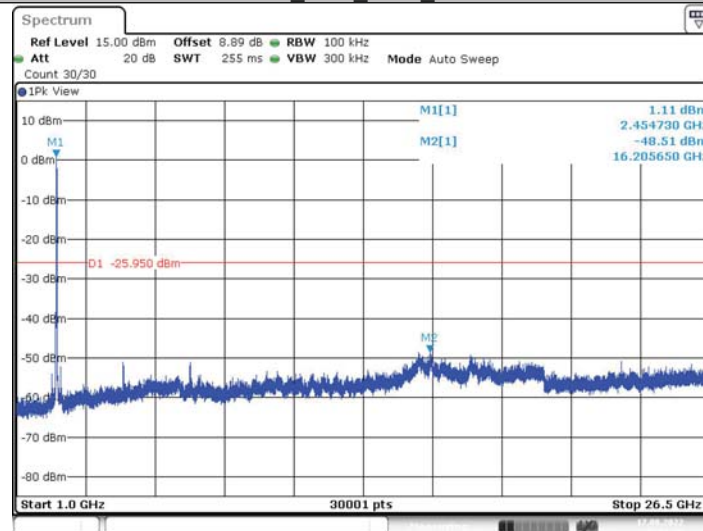


11N20MIMO_Ant2_2462_30~1000



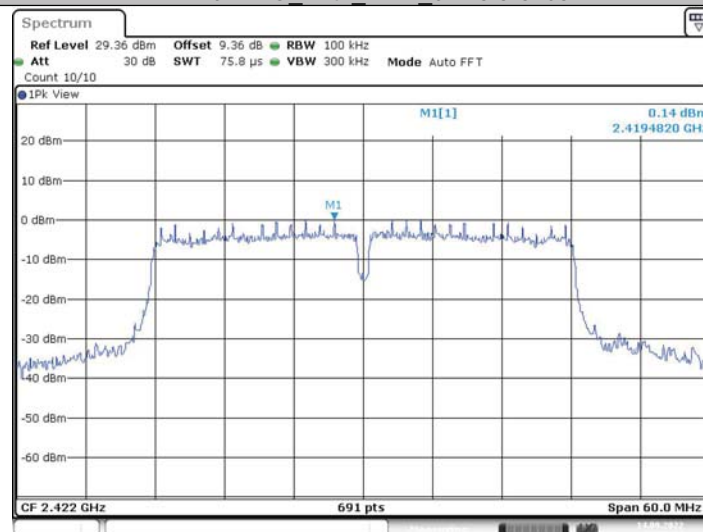
Date: 17.AUG.2022 16:01:02

11N20MIMO_Ant2_2462_1000~26500



Date: 17.AUG.2022 16:01:39

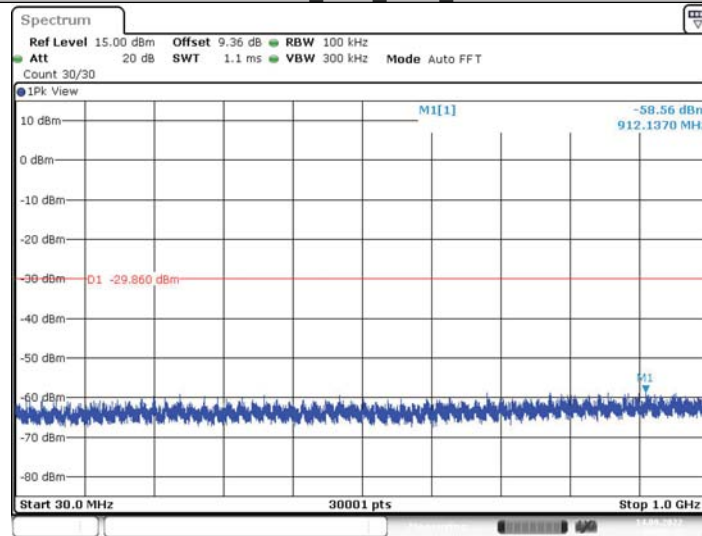
11N40MIMO_Ant1_2422_0~Reference



Date: 14.SEP.2022 09:55:03

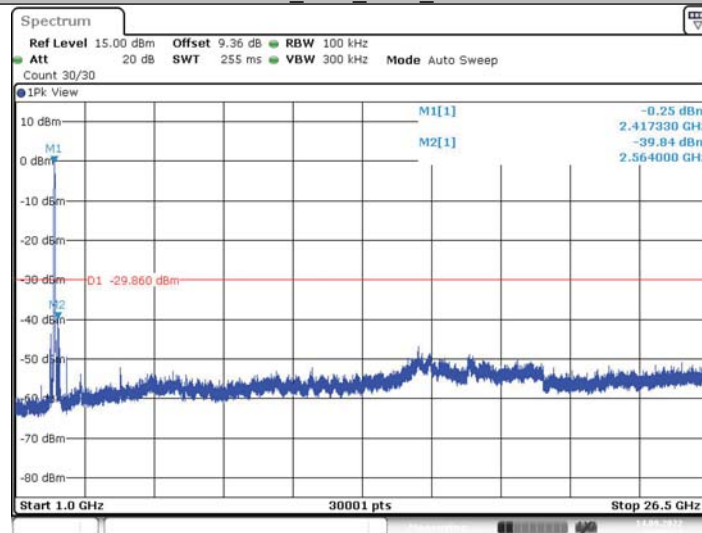


11N40MIMO_Ant1_2422_30~1000



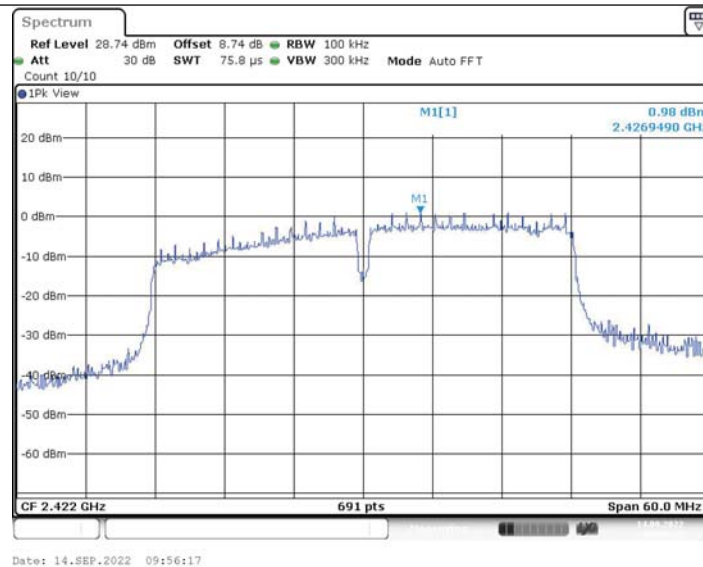
Date: 14.SEP.2022 09:55:15

11N40MIMO_Ant1_2422_1000~26500

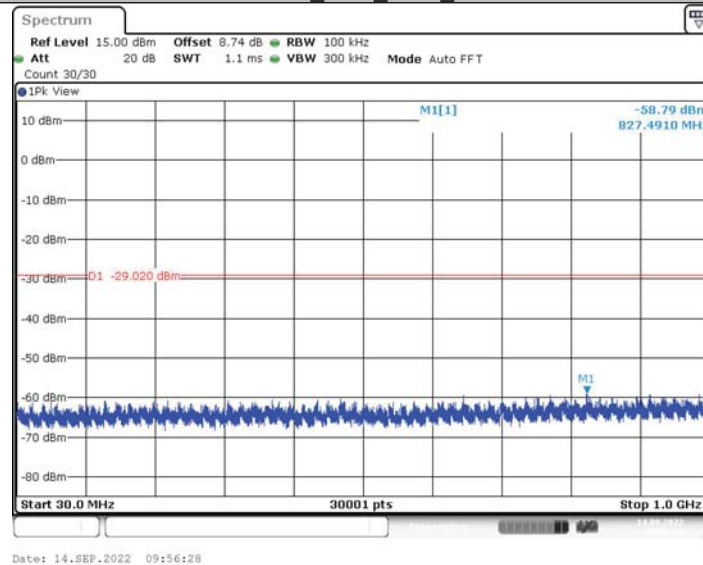


Date: 14.SEP.2022 09:55:52

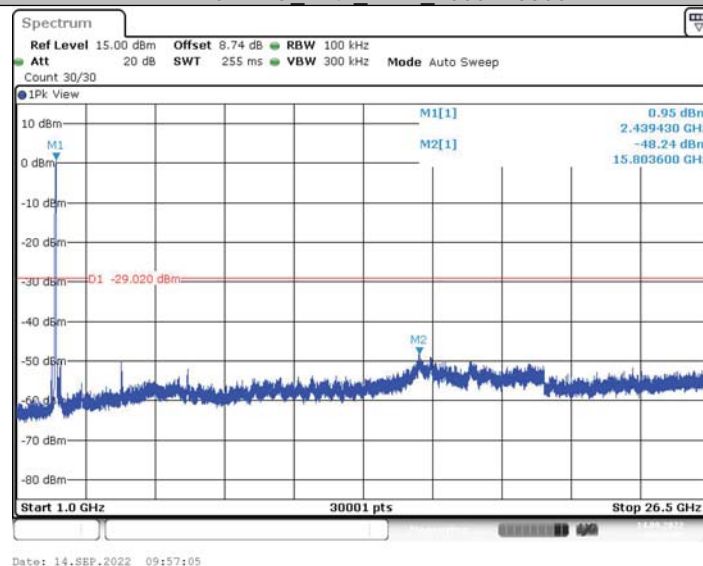
11N40MIMO_Ant2_2422_0~Reference



11N40MIMO_Ant2_2422_30~1000

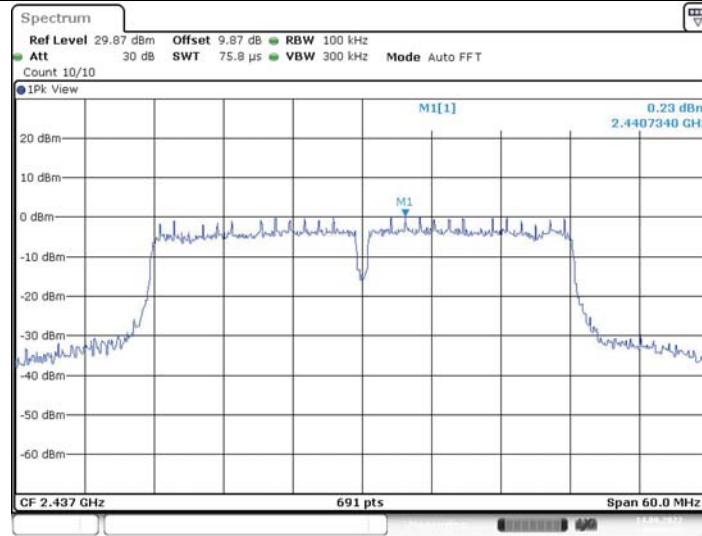


11N40MIMO_Ant2_2422_1000~26500



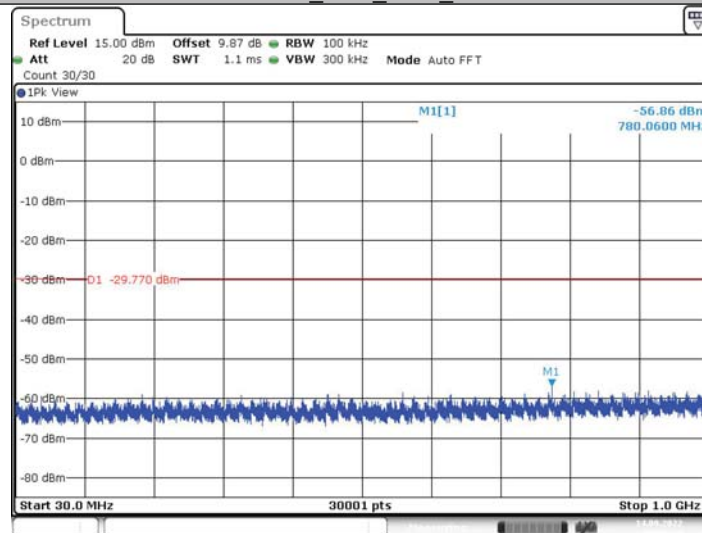


11N40MIMO_Ant1_2437_0~Reference



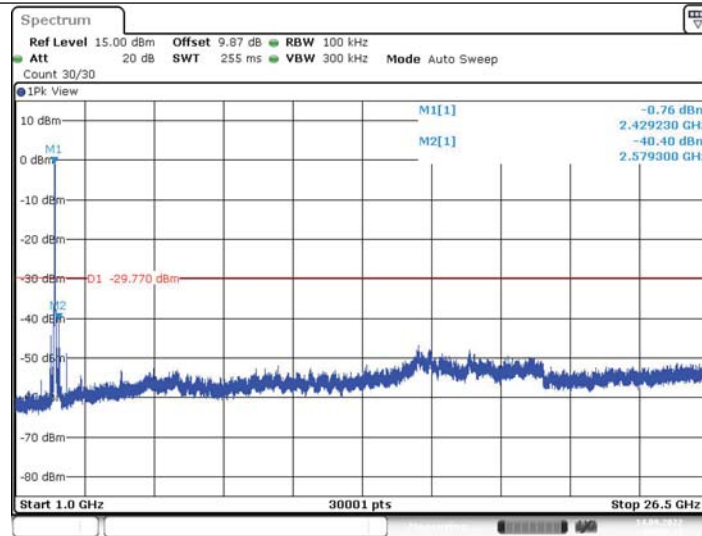
Date: 14.SEP.2022 09:58:22

11N40MIMO_Ant1_2437_30~1000



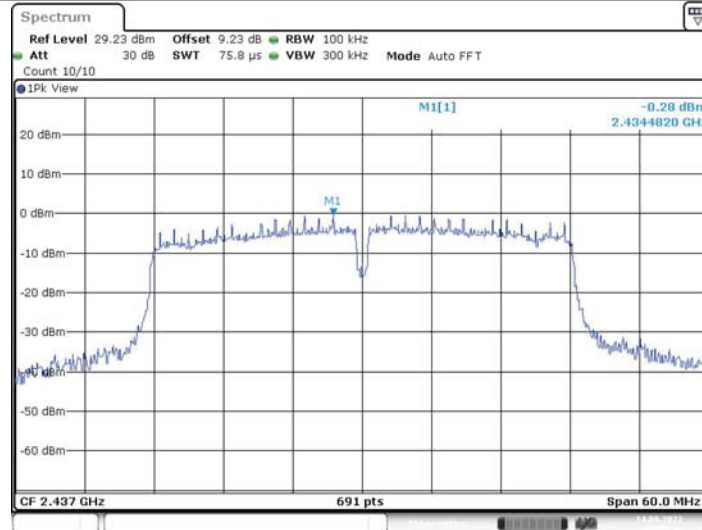
Date: 14.SEP.2022 09:58:34

11N40MIMO_Ant1_2437_1000~26500



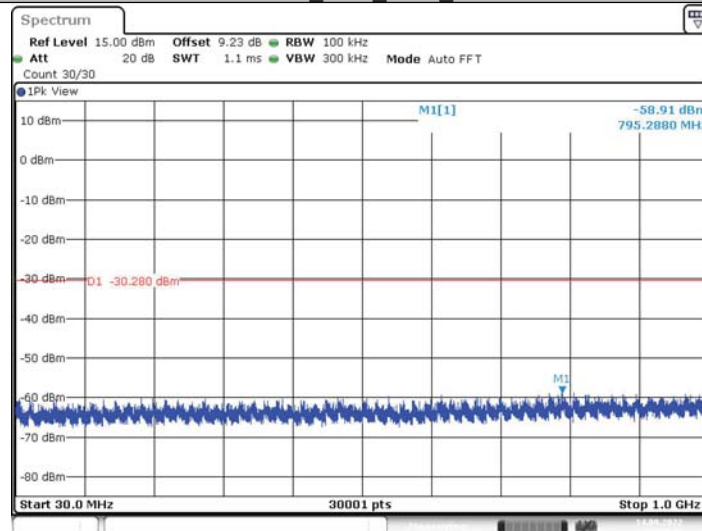
Date: 14.SEP.2022 09:59:11

11N40MIMO_Ant2_2437_0~Reference



Date: 14.SEP.2022 09:59:36

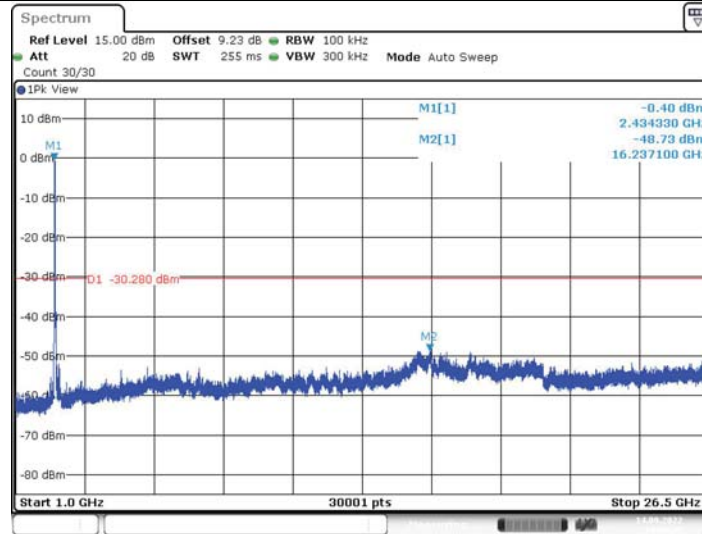
11N40MIMO_Ant2_2437_30~1000



Date: 14.SEP.2022 09:59:48

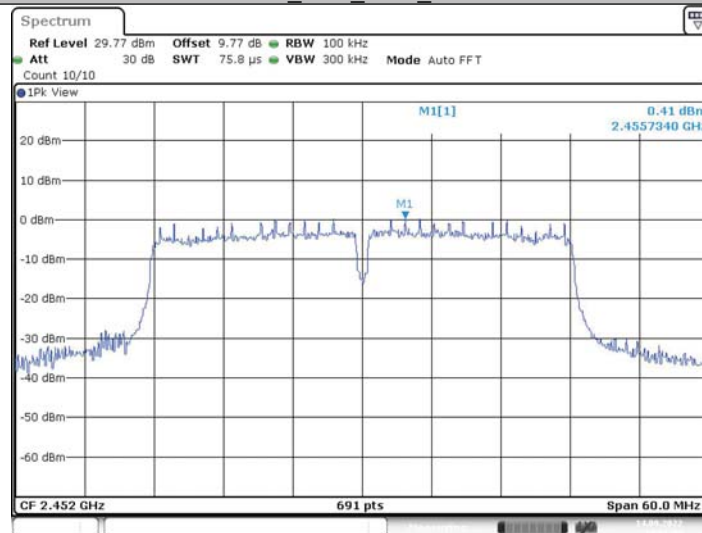


11N40MIMO_Ant2_2437_1000~26500



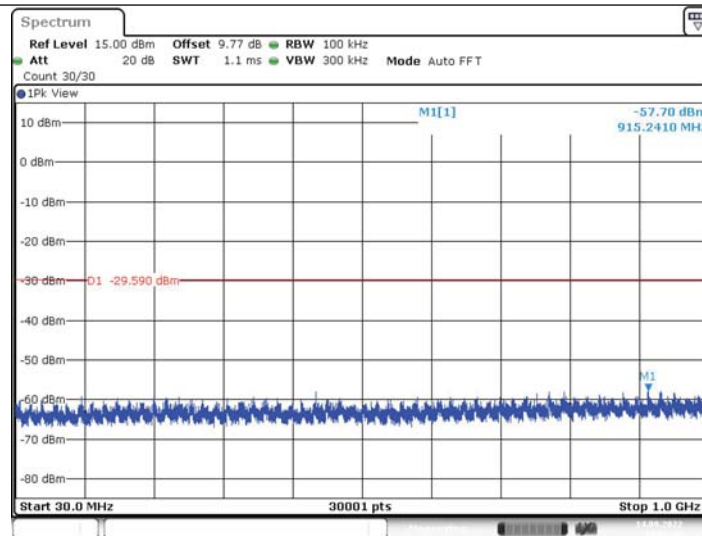
Date: 14.SEP.2022 10:00:25

11N40MIMO_Ant1_2452_0~Reference



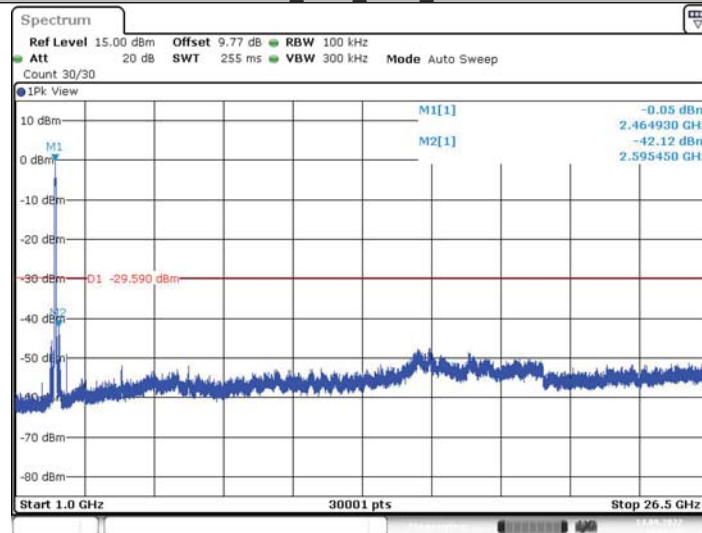
Date: 14.SEP.2022 10:01:04

11N40MIMO_Ant1_2452_30~1000



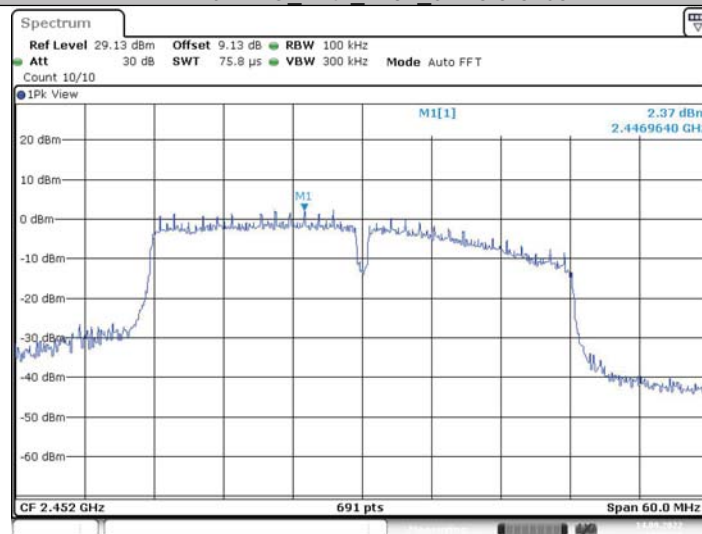
Date: 14.SEP.2022 10:01:16

11N40MIMO_Ant1_2452_1000~26500



Date: 14.SEP.2022 10:01:53

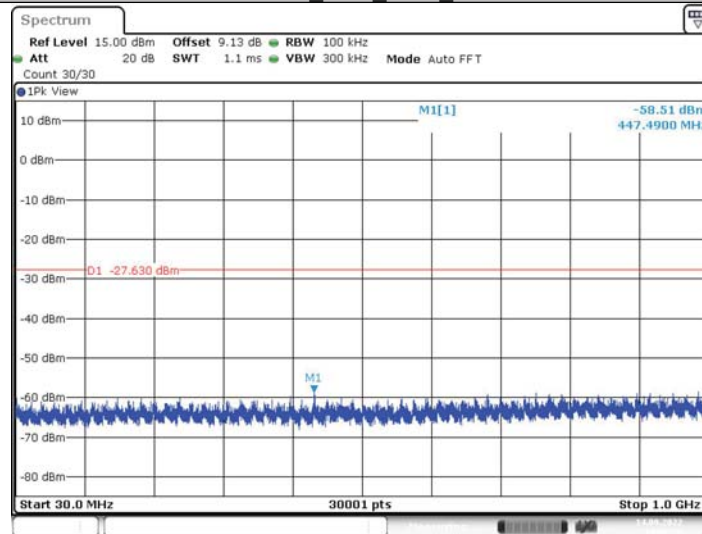
11N40MIMO_Ant2_2452_0~Reference



Date: 14.SEP.2022 10:02:18

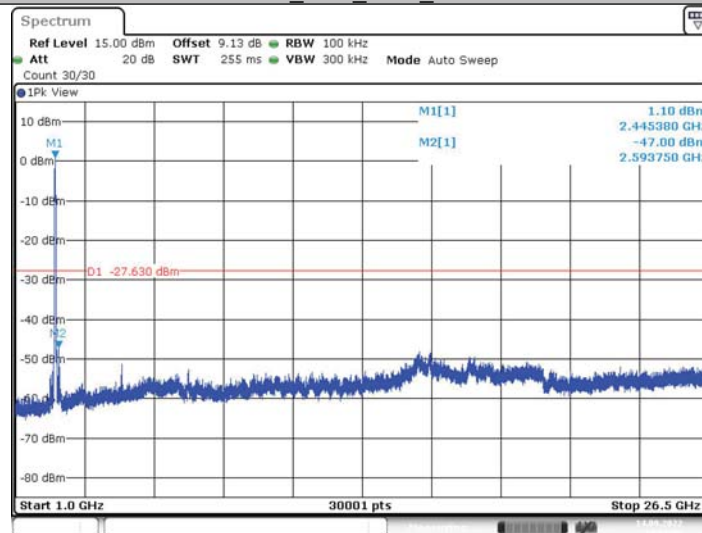


11N40MIMO_Ant2_2452_30~1000



Date: 14.SEP.2022 10:02:30

11N40MIMO_Ant2_2452_1000~26500



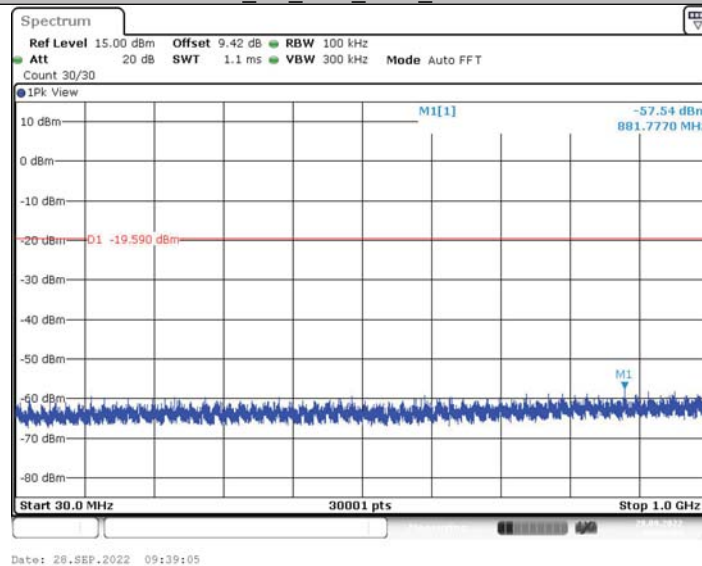
Date: 14.SEP.2022 10:03:06



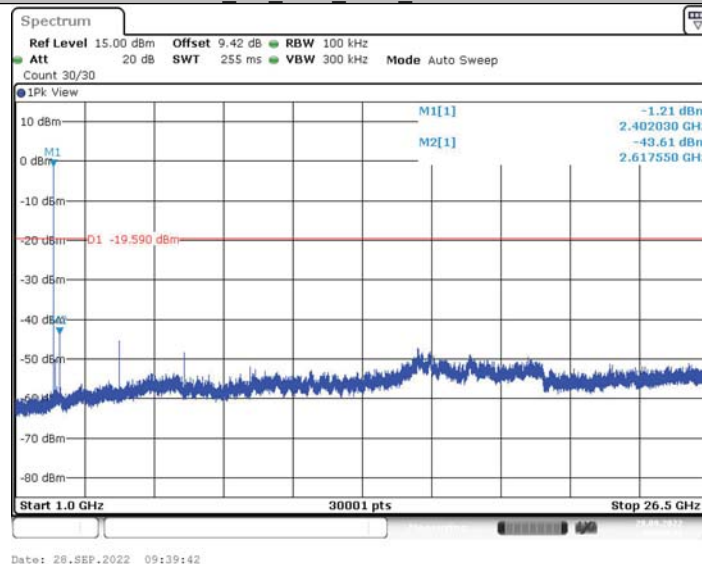
BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000

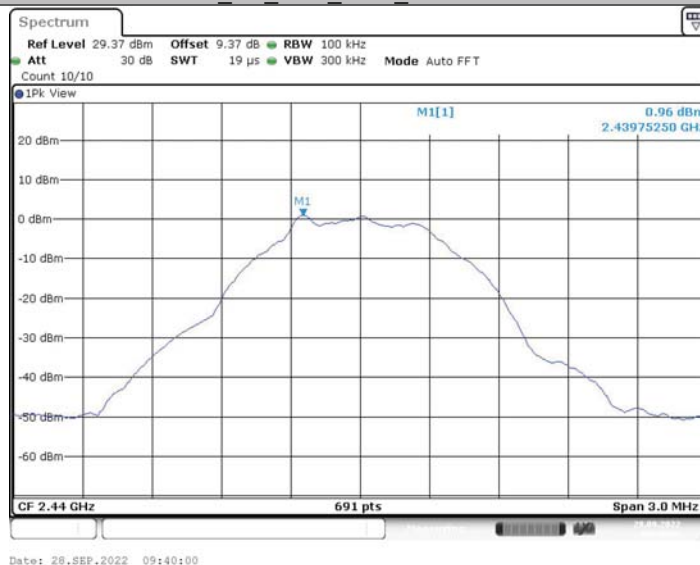


BLE_1M_Ant1_2402_1000~26500

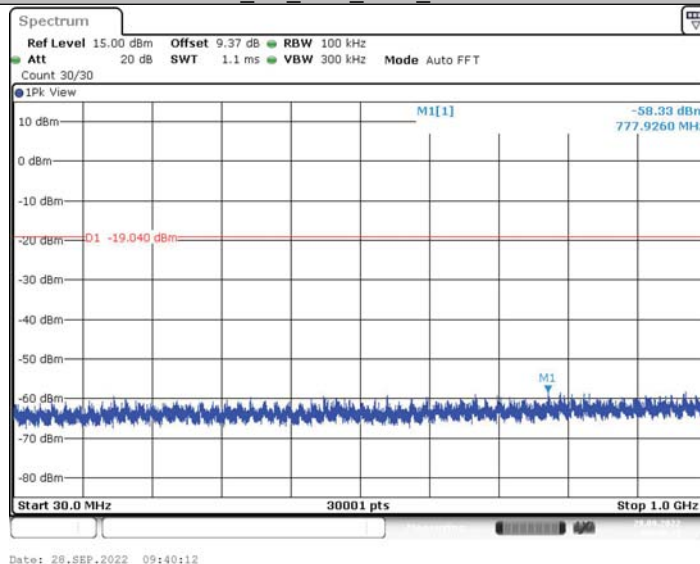




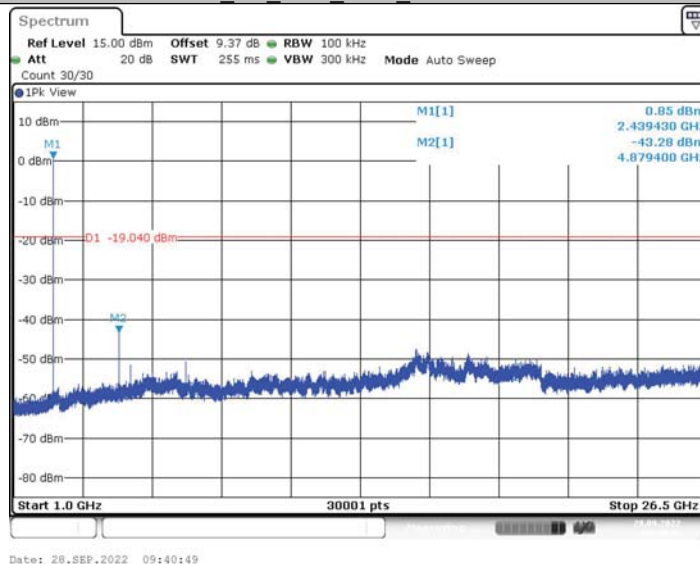
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

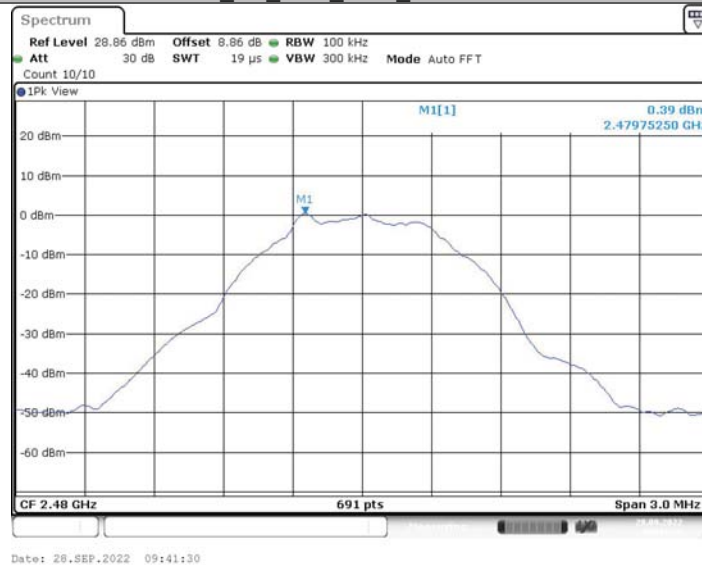


BLE_1M_Ant1_2440_1000~26500

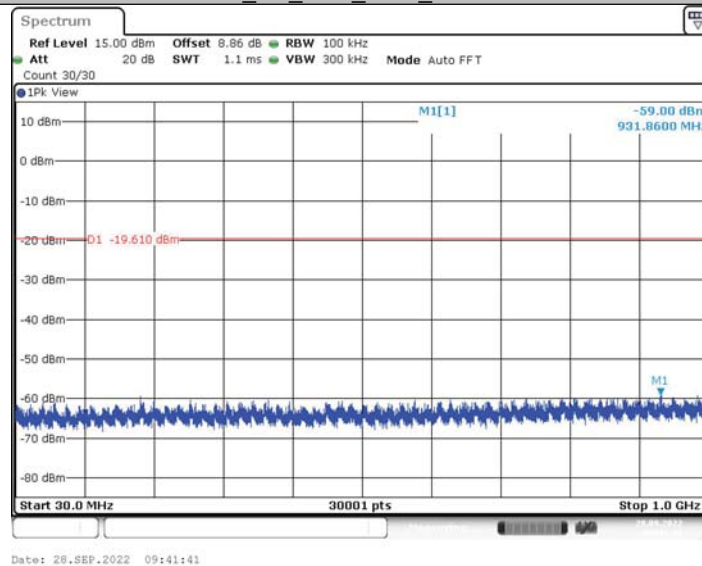




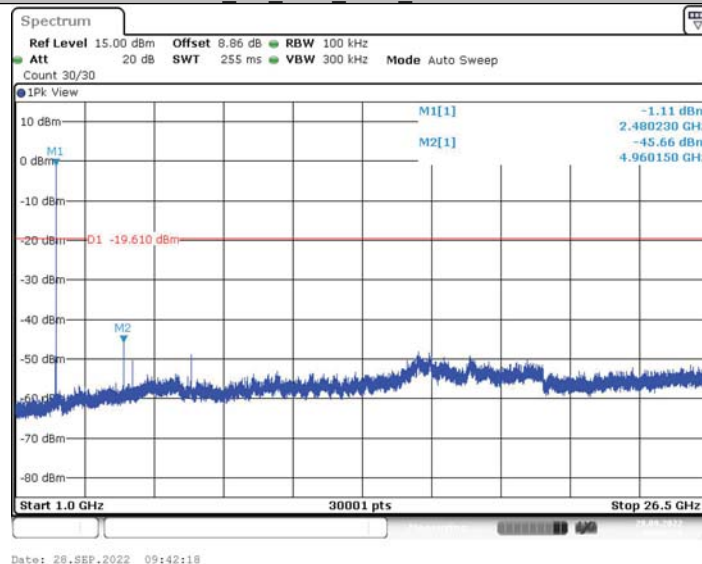
BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500

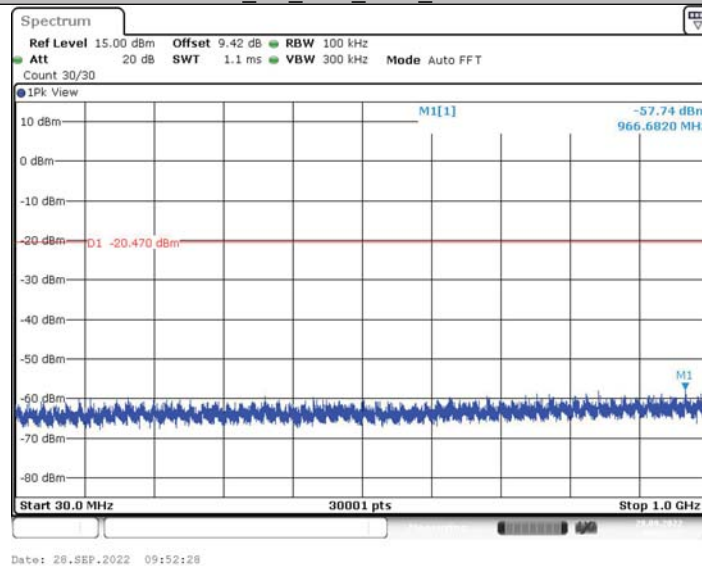




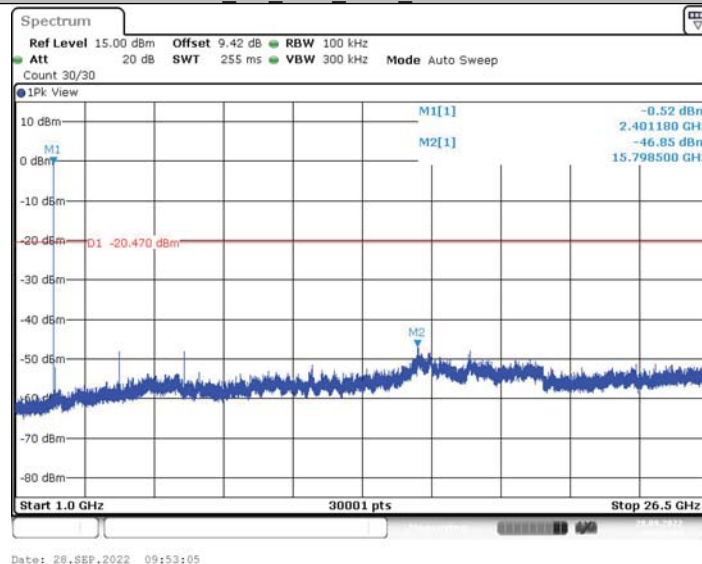
BLE_2M_Ant1_2402_0~Reference



BLE_2M_Ant1_2402_30~1000



BLE_2M_Ant1_2402_1000~26500

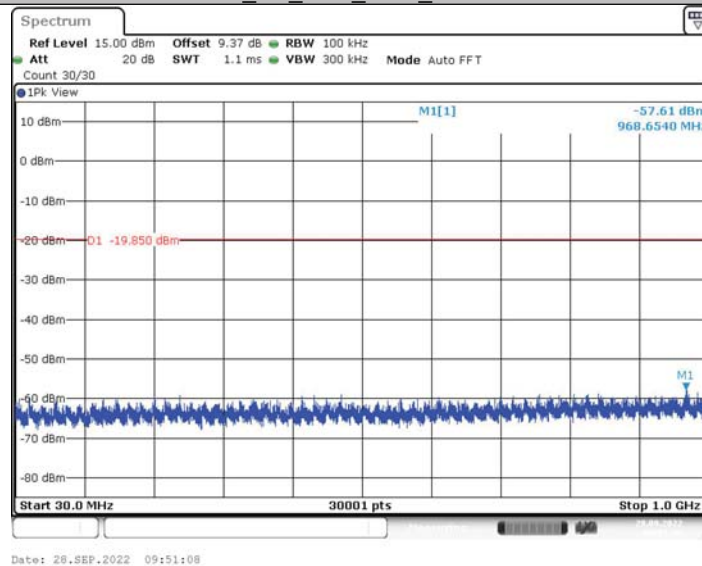




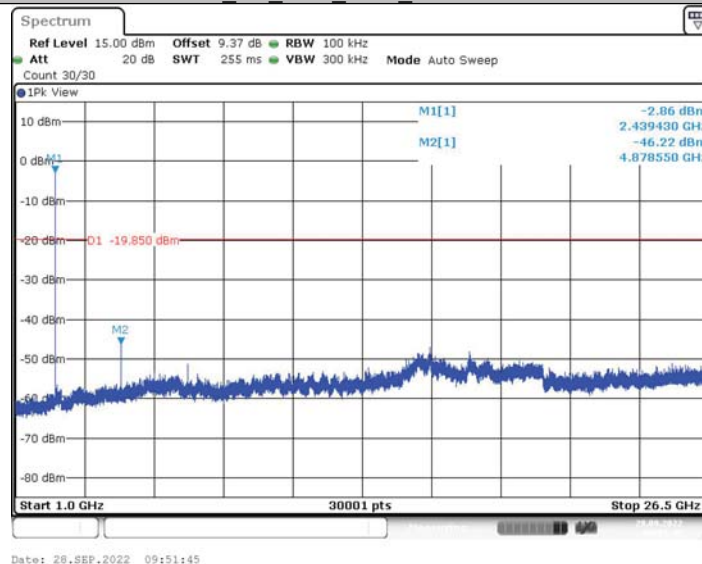
BLE_2M_Ant1_2440_0~Reference



BLE_2M_Ant1_2440_30~1000



BLE_2M_Ant1_2440_1000~26500

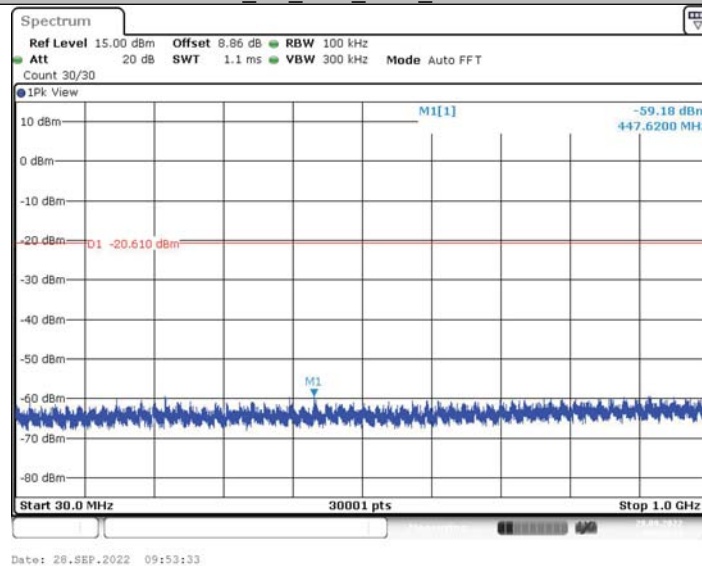




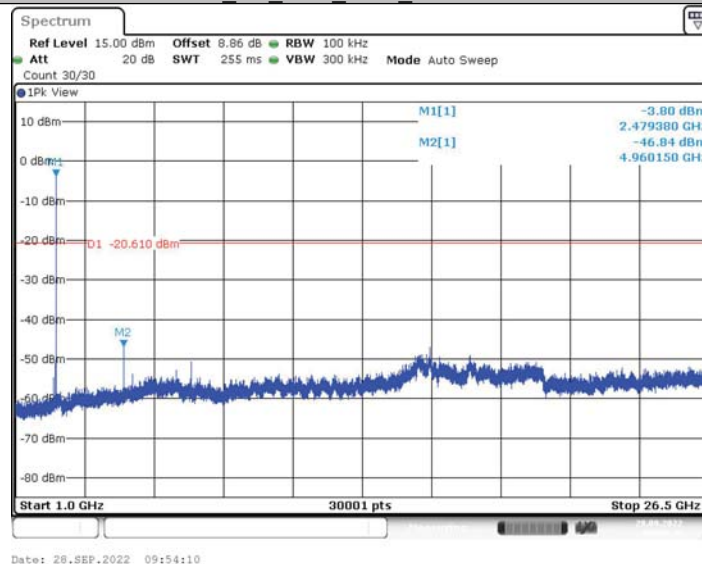
BLE_2M_Ant1_2480_0~Reference



BLE_2M_Ant1_2480_30~1000



BLE_2M_Ant1_2480_1000~26500





Important

- (1) The test report is valid with the official seal of the laboratory and the signatures of Test engineer, Author and Reviewer simultaneously.
- (2) The test report is invalid if altered.
- (3) Any photocopies or part photocopies in the test report are forbidden without the written permission from the laboratory.
- (4) Objections to the test report must be submitted to the laboratory within 15 days.
- (5) Generally, commission test is responsible for the tested samples only.

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Tel: 020-32293888

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