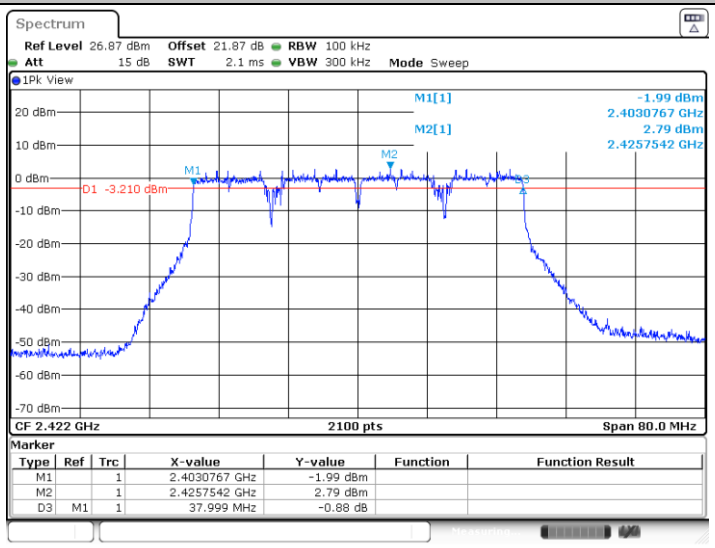
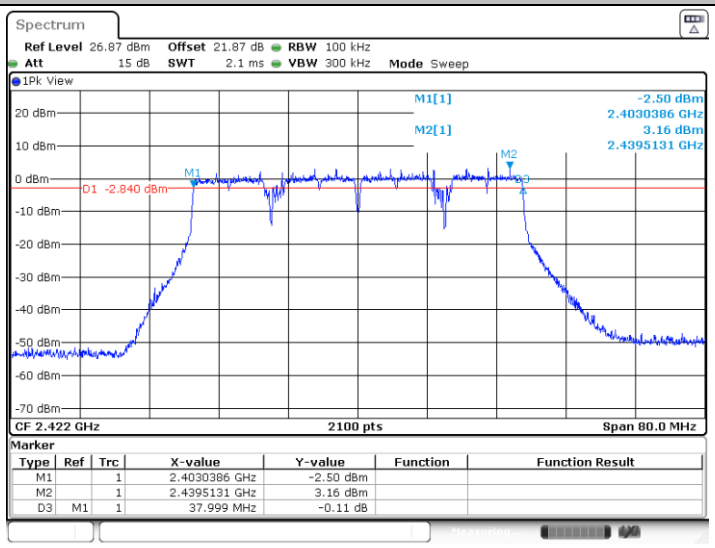
11BE40MIMO_Ant1_2422_52RU*8



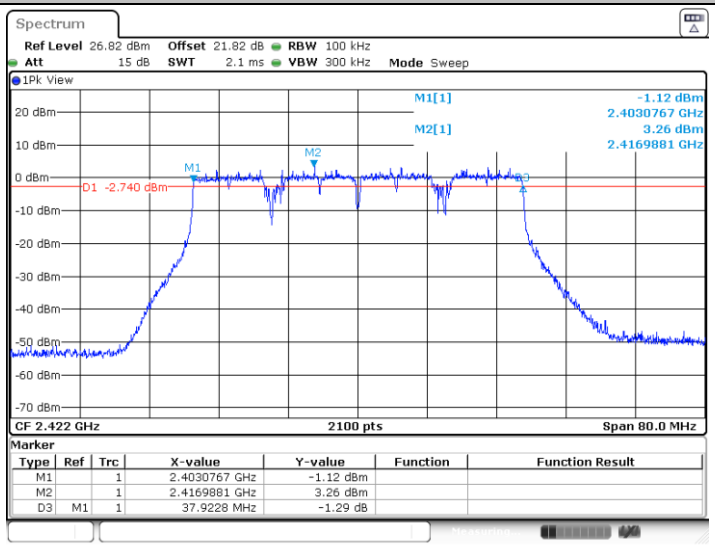
Date: 24.JUL.2024 08:24:22

11BE40MIMO_Ant2_2422_52RU*8



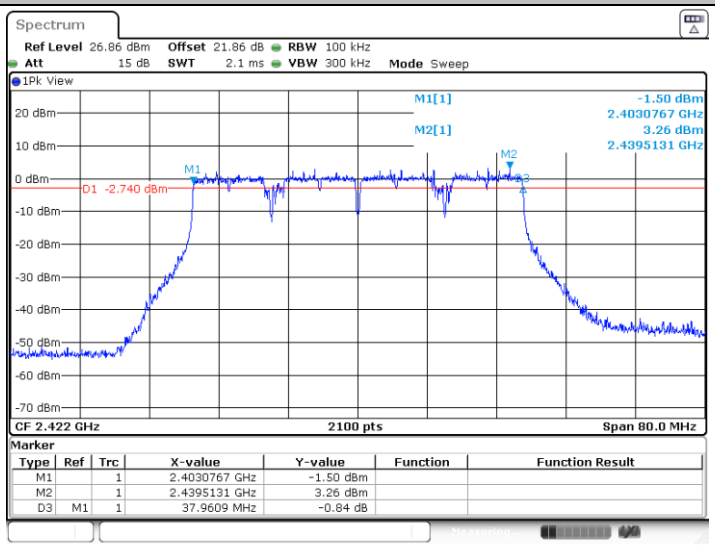
Date: 24.JUL.2024 08:25:36

11BE40MIMO_Ant3_2422_52RU*8



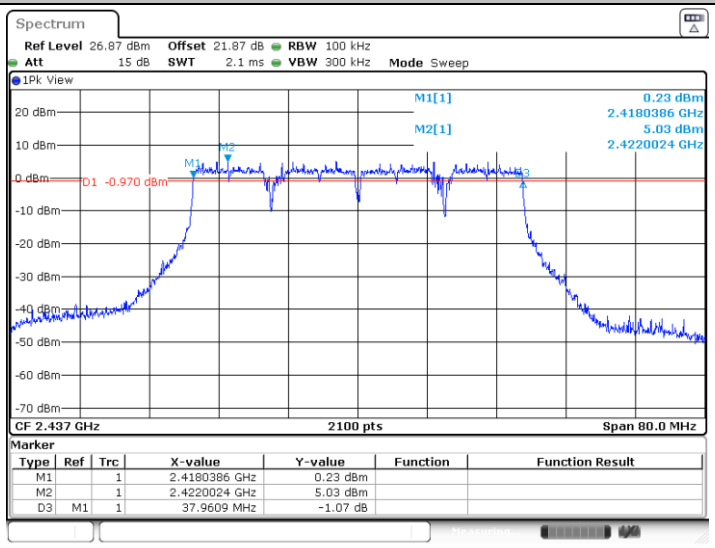
Date: 24.JUL.2024 08:26:51

11BE40MIMO_Ant4_2422_52RU*8



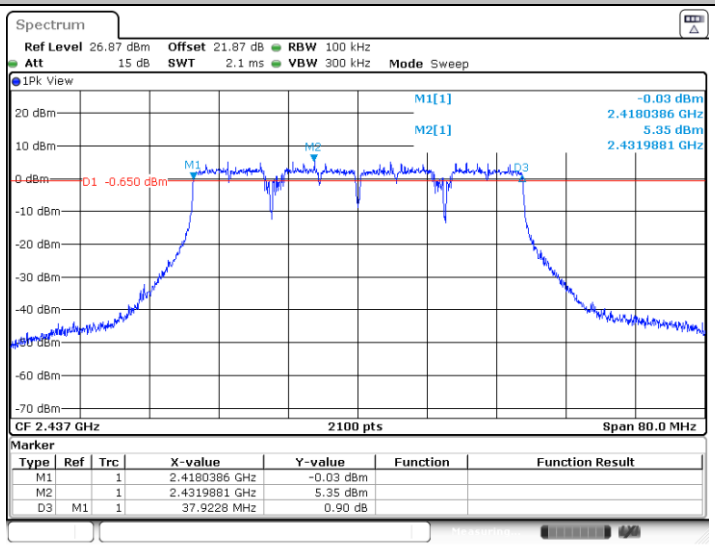
Date: 24.JUL.2024 08:28:06

11BE40MIMO_Ant1_2437_52RU*8



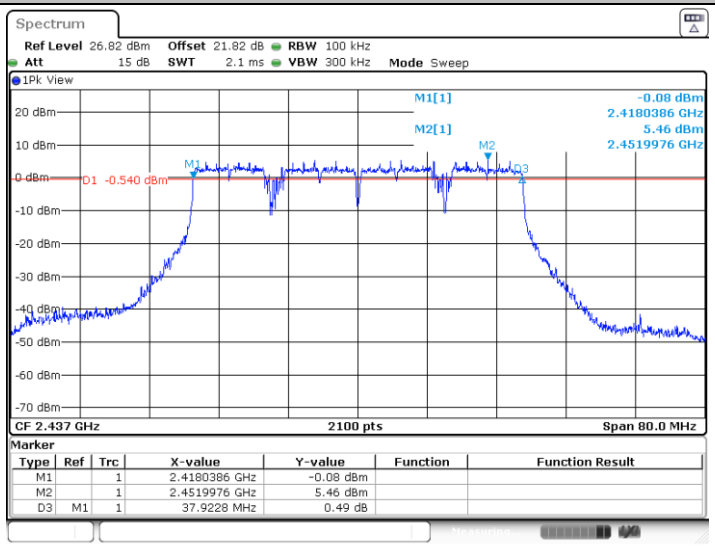
Date: 24.JUL.2024 08:43:11

11BE40MIMO_Ant2_2437_52RU*8



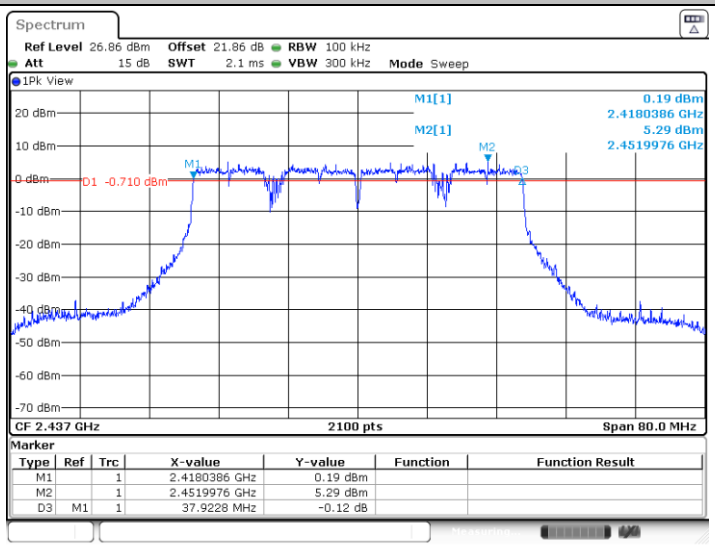
Date: 24.JUL.2024 08:43:41

11BE40MIMO_Ant3_2437_52RU*8



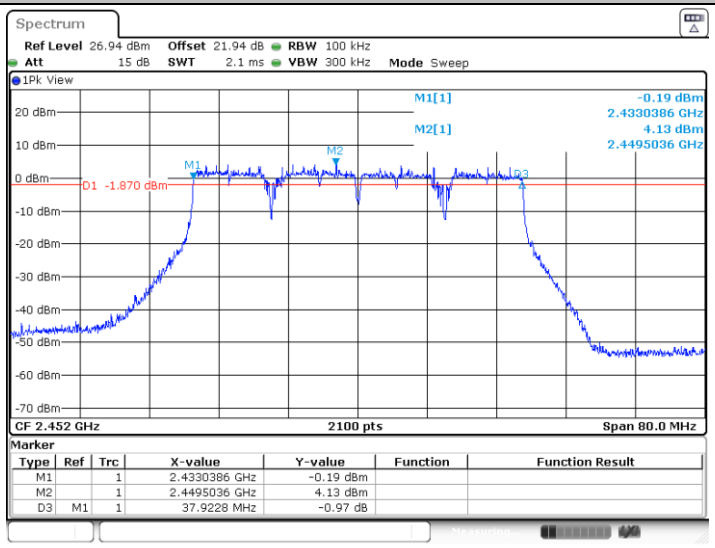
Date: 24.JUL.2024 08:44:12

11BE40MIMO_Ant4_2437_52RU*8



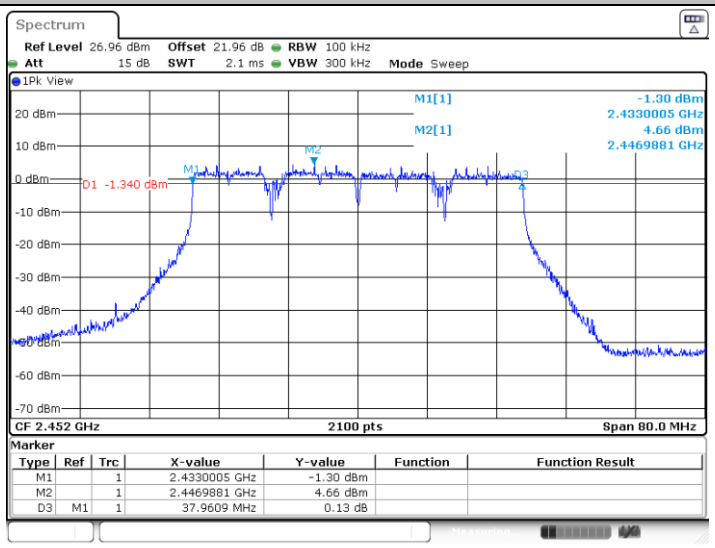
Date: 24.JUL.2024 08:44:43

11BE40MIMO_Ant1_2452_52RU*8



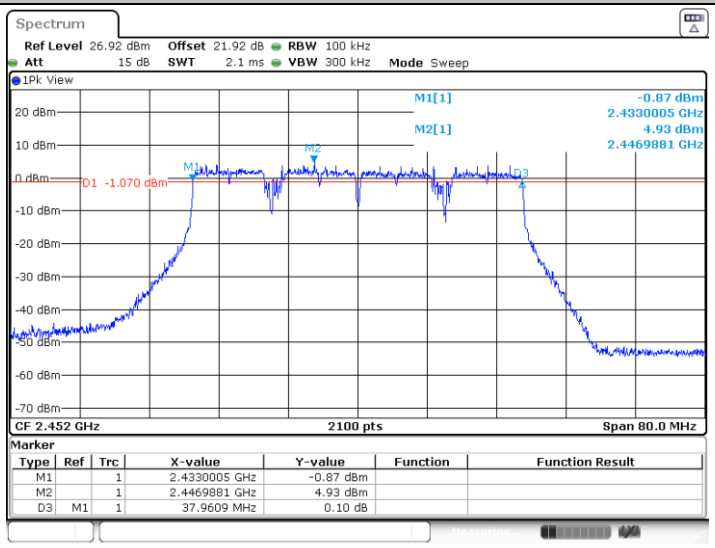
Date: 24.JUL.2024 08:48:57

11BE40MIMO_Ant2_2452_52RU*8



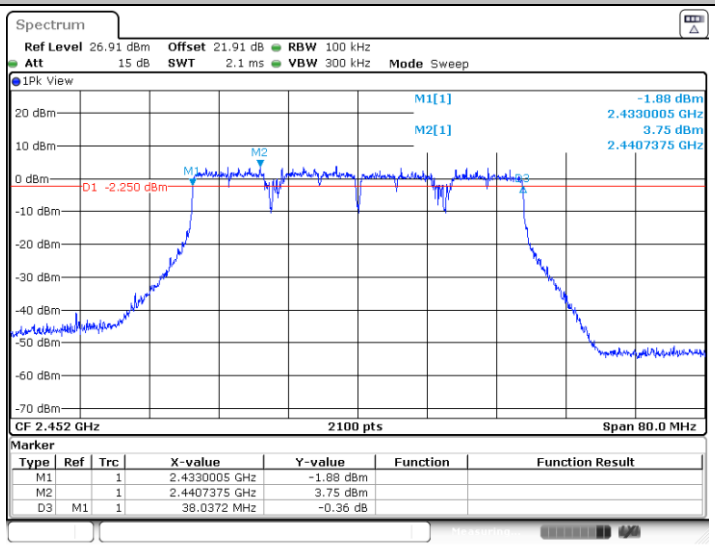
Date: 24.JUL.2024 08:50:12

11BE40MIMO_Ant3_2452_52RU*8



Date: 24.JUL.2024 08:51:27

11BE40MIMO_Ant4_2452_52RU*8



Date: 24.JUL.2024 08:52:43

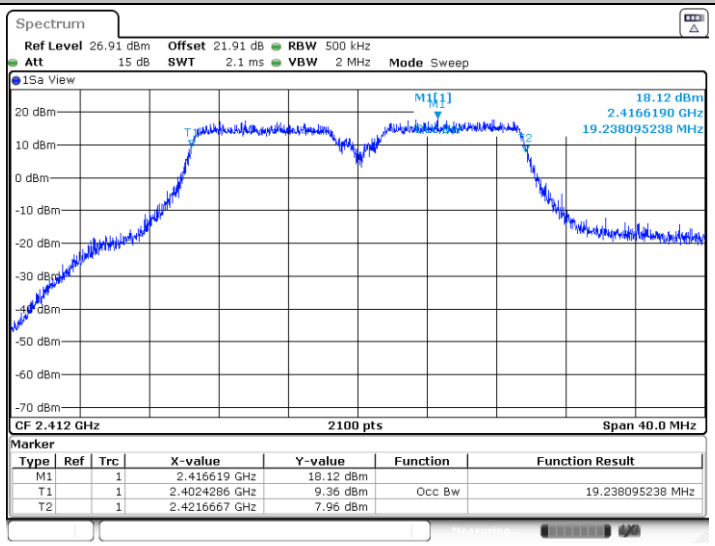
Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Freq (MHz)	Ru Size	DTS BW [MHz]	FL [MHz]	FH [MHz]	Limit [MHz]	Verdict
11BE20 MIMO	Ant1	2412	52RU*4	19.238	2402.4286	2421.6667	---	---
	Ant2	2412	52RU*4	19.238	2402.4476	2421.6857	---	---
	Ant3	2412	52RU*4	19.238	2402.4476	2421.6857	---	---
	Ant4	2412	52RU*4	19.238	2402.4476	2421.6857	---	---
	Ant1	2437	52RU*4	19.219	2427.4095	2446.6286	---	---
	Ant2	2437	52RU*4	19.238	2427.3905	2446.6286	---	---
	Ant3	2437	52RU*4	19.2	2427.4095	2446.6095	---	---
	Ant4	2437	52RU*4	19.181	2427.4095	2446.5905	---	---
	Ant1	2462	52RU*4	19.219	2452.3524	2471.5714	---	---
	Ant2	2462	52RU*4	19.2	2452.3714	2471.5714	---	---
	Ant3	2462	52RU*4	19.181	2452.3714	2471.5524	---	---
	Ant4	2462	52RU*4	19.2	2452.3524	2471.5524	---	---
11BE40 MIMO	Ant1	2422	52RU*8	37.943	2403.0857	2441.0286	---	---
	Ant2	2422	52RU*8	37.905	2403.0857	2440.9905	---	---
	Ant3	2422	52RU*8	37.905	2403.0857	2440.9905	---	---
	Ant4	2422	52RU*8	37.867	2403.0857	2440.9524	---	---
	Ant1	2437	52RU*8	37.943	2418.0095	2455.9524	---	---
	Ant2	2437	52RU*8	37.905	2418.0476	2455.9524	---	---
	Ant3	2437	52RU*8	37.905	2418.0095	2455.9143	---	---
	Ant4	2437	52RU*8	37.905	2418.0476	2455.9524	---	---
	Ant1	2452	52RU*8	37.905	2433.0095	2470.9143	---	---
	Ant2	2452	52RU*8	37.867	2433.0476	2470.9143	---	---
	Ant3	2452	52RU*8	37.905	2433.0095	2470.9143	---	---
	Ant4	2452	52RU*8	37.867	2433.0095	2470.8762	---	---

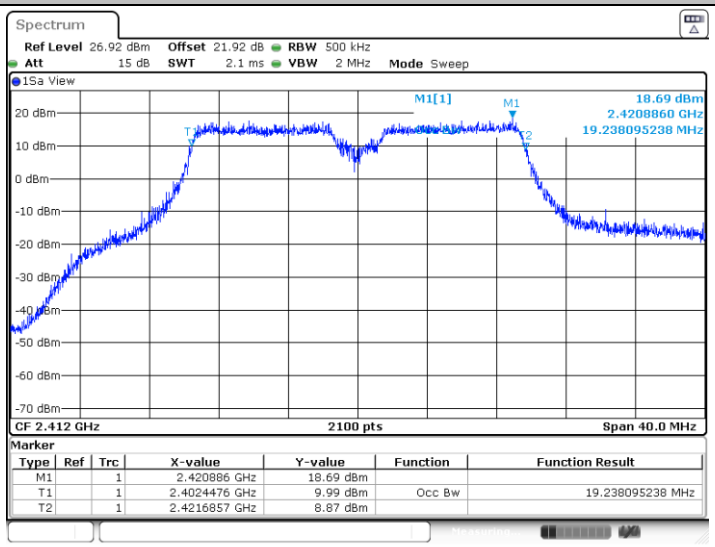
Test Graphs

11BE20MIMO_Ant1_2412_52RU*4



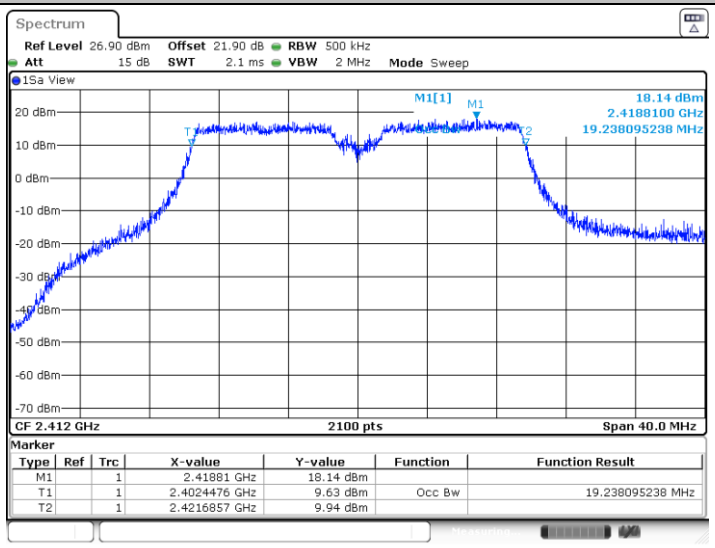
Date: 24.JUL.2024 07:42:42

11BE20MIMO_Ant2_2412_52RU*4



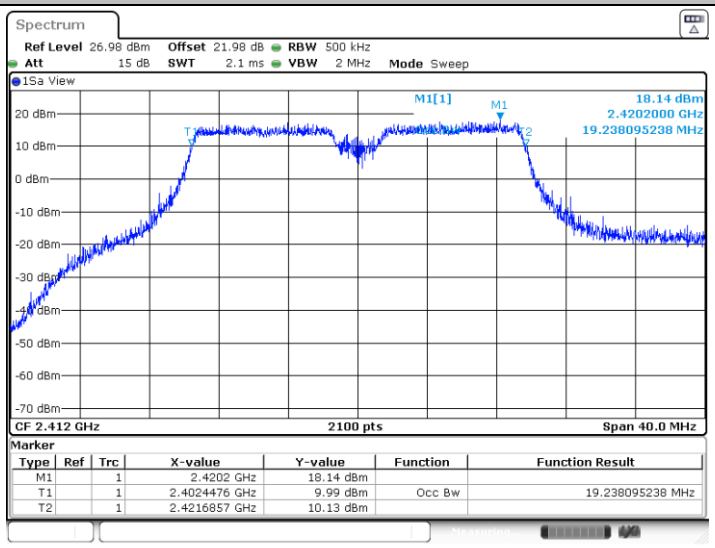
Date: 24.JUL.2024 07:42:48

11BE20MIMO_Ant3_2412_52RU*4



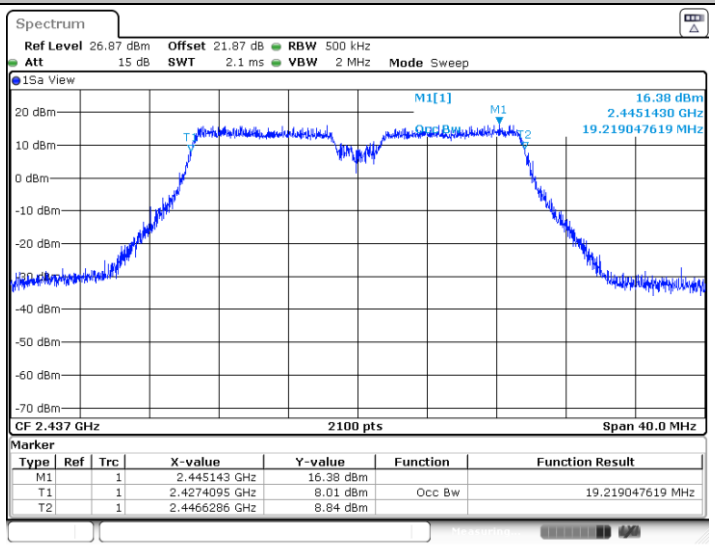
Date: 24.JUL.2024 07:42:54

11BE20MIMO_Ant4_2412_52RU*4



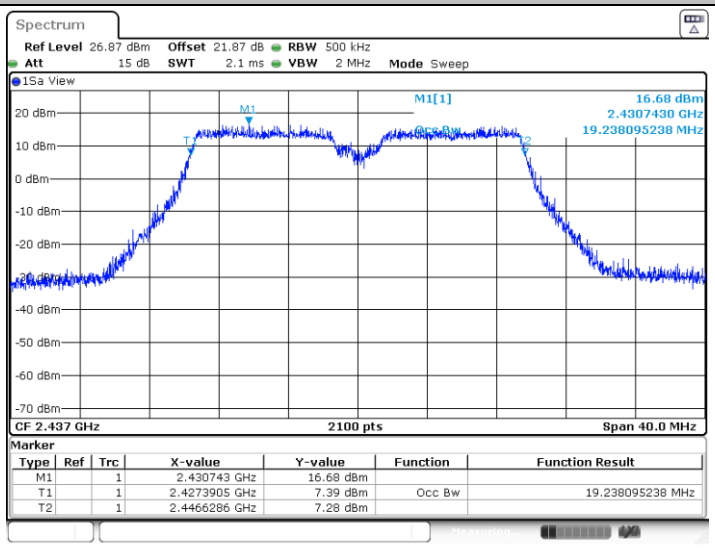
Date: 24.JUL.2024 07:42:59

11BE20MIMO_Ant1_2437_52RU*4



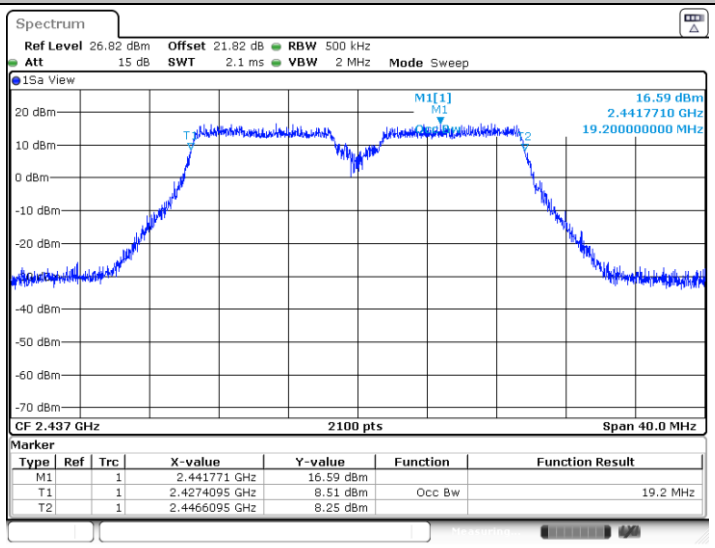
Date: 24.JUL.2024 07:57:11

11BE20MIMO_Ant2_2437_52RU*4



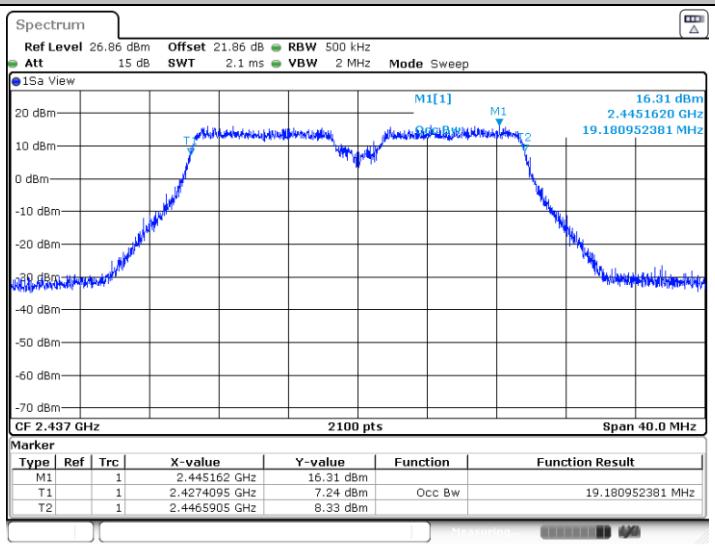
Date: 24.JUL.2024 07:57:17

11BE20MIMO_Ant3_2437_52RU*4



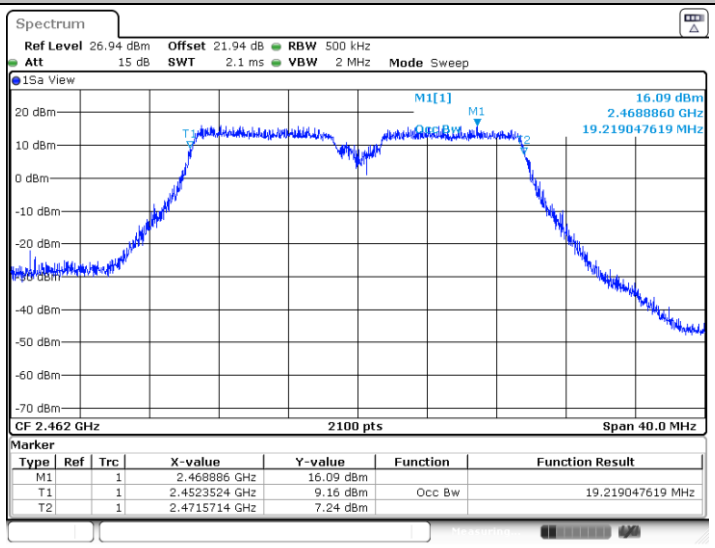
Date: 24.JUL.2024 07:57:22

11BE20MIMO_Ant4_2437_52RU*4



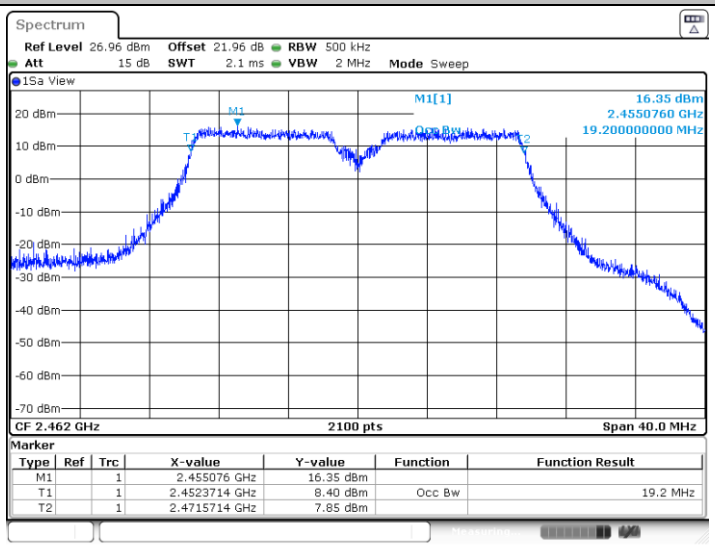
Date: 24.JUL.2024 07:57:28

11BE20MIMO_Ant1_2462_52RU*4



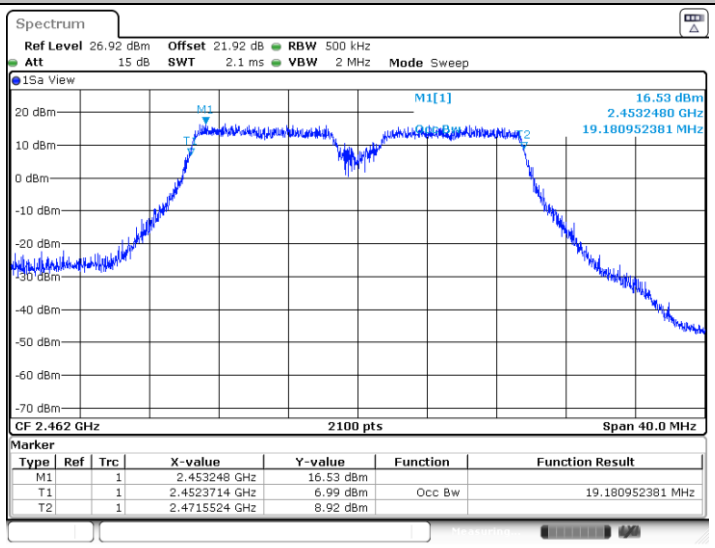
Date: 24.JUL.2024 08:04:05

11BE20MIMO_Ant2_2462_52RU*4



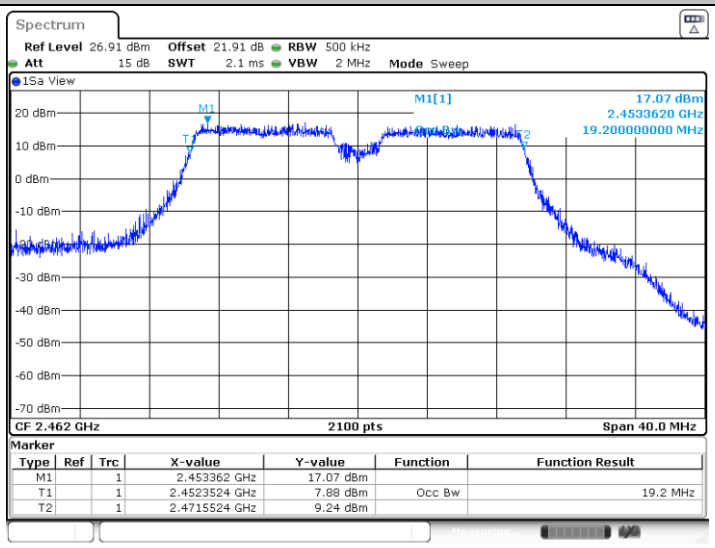
Date: 24.JUL.2024 08:04:10

11BE20MIMO_Ant3_2462_52RU*4



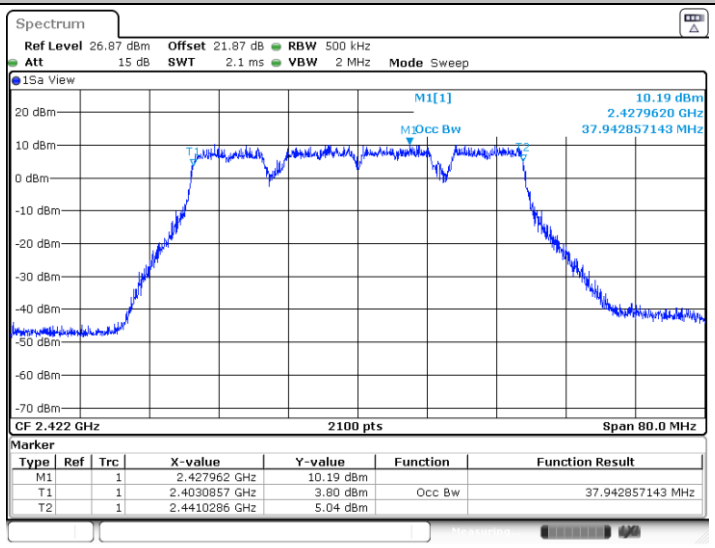
Date: 24.JUL.2024 08:04:16

11BE20MIMO_Ant4_2462_52RU*4



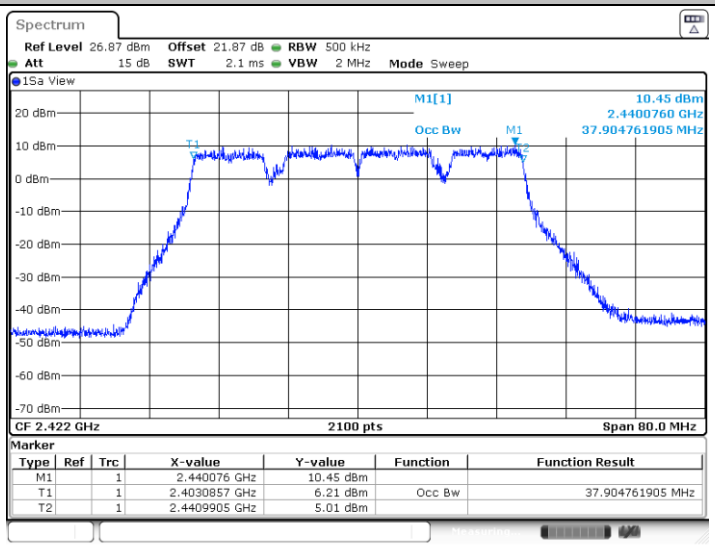
Date: 24.JUL.2024 08:04:21

11BE40MIMO_Ant1_2422_52RU*8



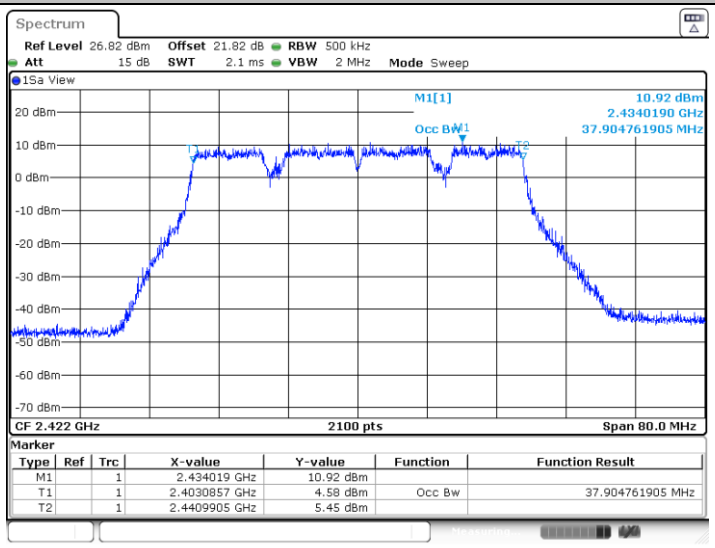
Date: 24.JUL.2024 08:23:57

11BE40MIMO_Ant2_2422_52RU*8



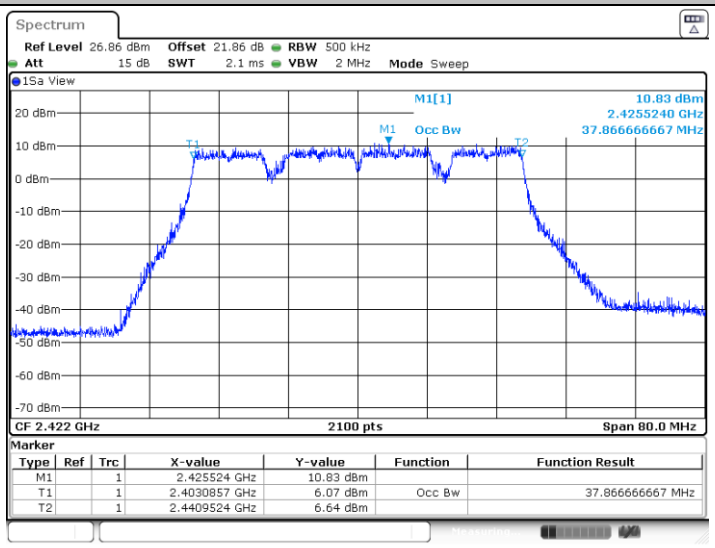
Date: 24.JUL.2024 08:24:03

11BE40MIMO_Ant3_2422_52RU*8



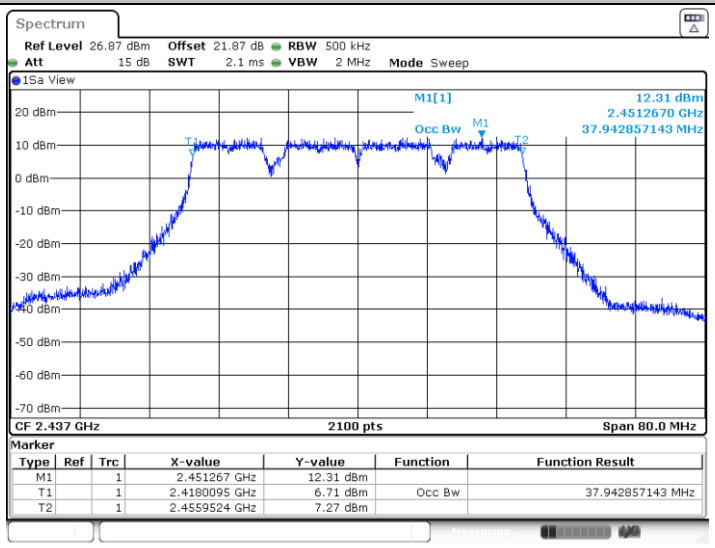
Date: 24.JUL.2024 08:24:08

11BE40MIMO_Ant4_2422_52RU*8



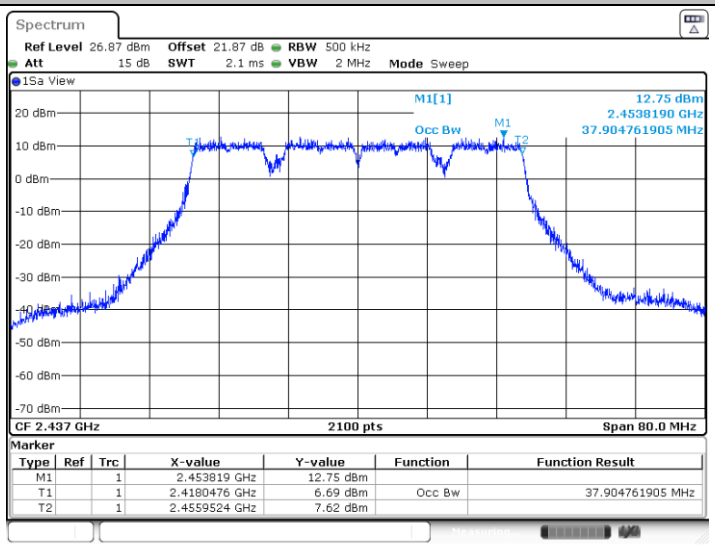
Date: 24.JUL.2024 08:24:14

11BE40MIMO_Ant1_2437_52RU*8



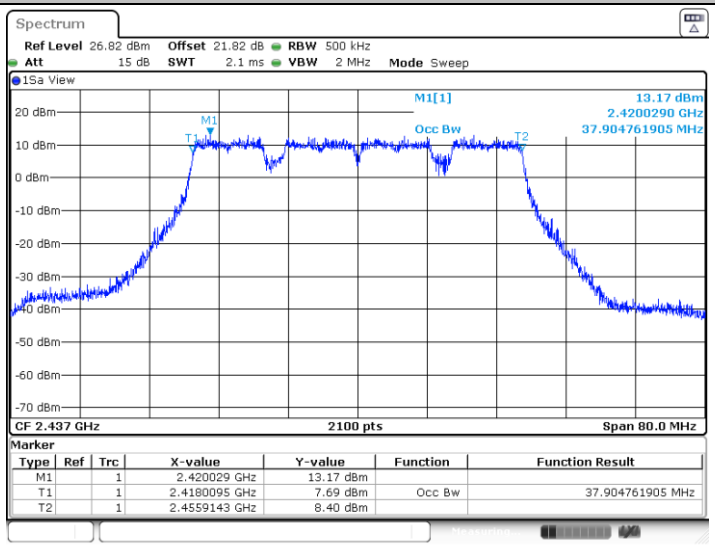
Date: 24.JUL.2024 08:42:45

11BE40MIMO_Ant2_2437_52RU*8



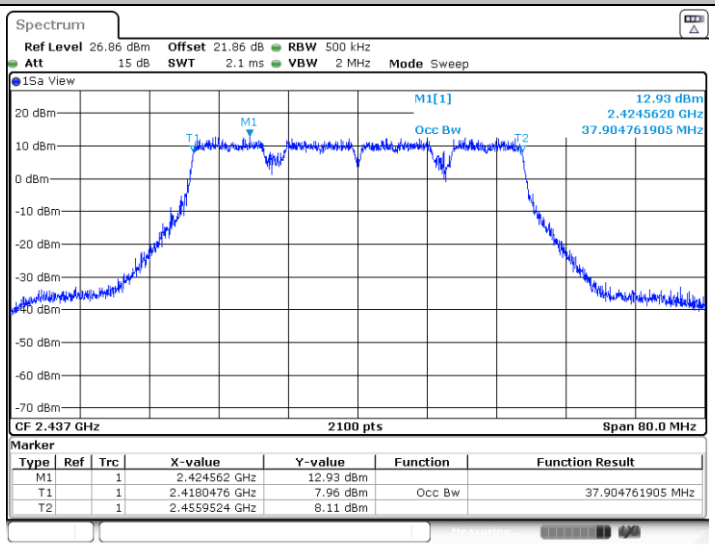
Date: 24.JUL.2024 08:42:52

11BE40MIMO_Ant3_2437_52RU*8



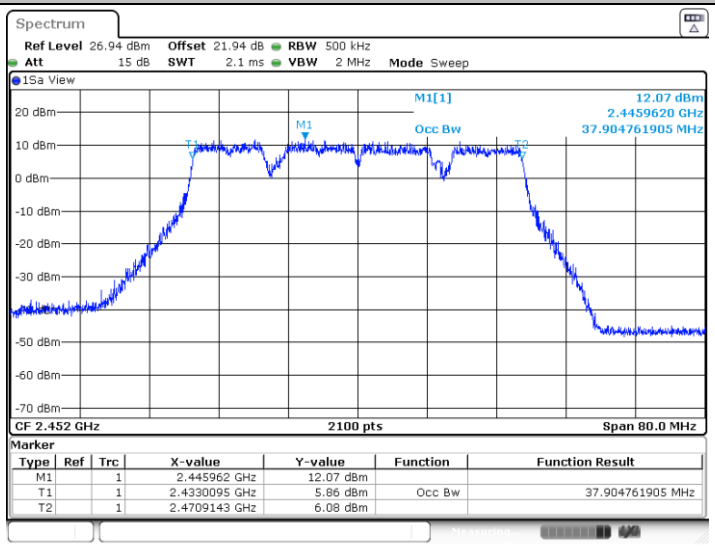
Date: 24.JUL.2024 08:42:57

11BE40MIMO_Ant4_2437_52RU*8



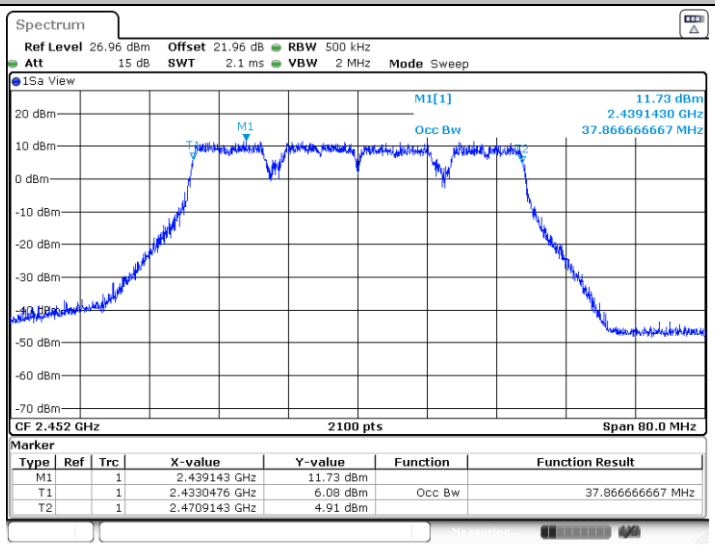
Date: 24.JUL.2024 08:43:03

11BE40MIMO_Ant1_2452_52RU*8



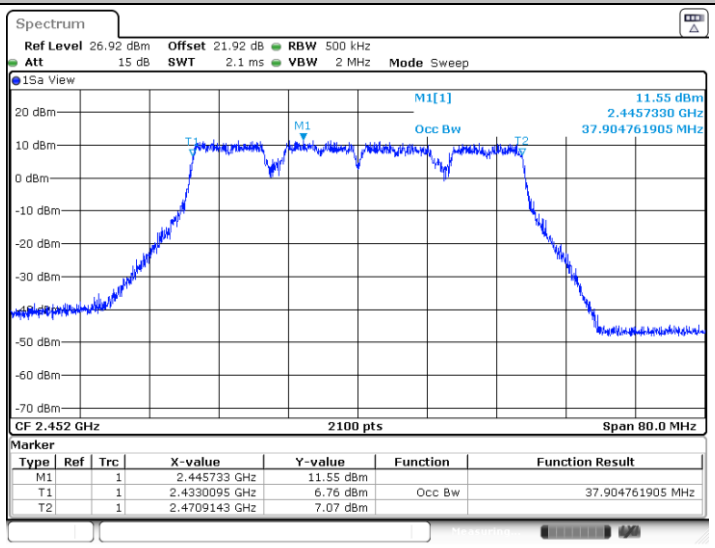
Date: 24.JUL.2024 08:48:32

11BE40MIMO_Ant2_2452_52RU*8



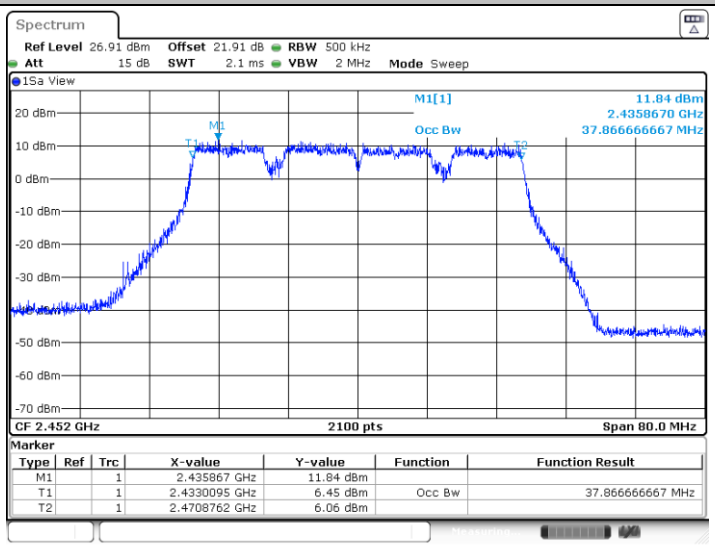
Date: 24.JUL.2024 08:48:38

11BE40MIMO_Ant3_2452_52RU*8



Date: 24.JUL.2024 08:48:43

11BE40MIMO_Ant4_2452_52RU*8



Date: 24.JUL.2024 08:48:49

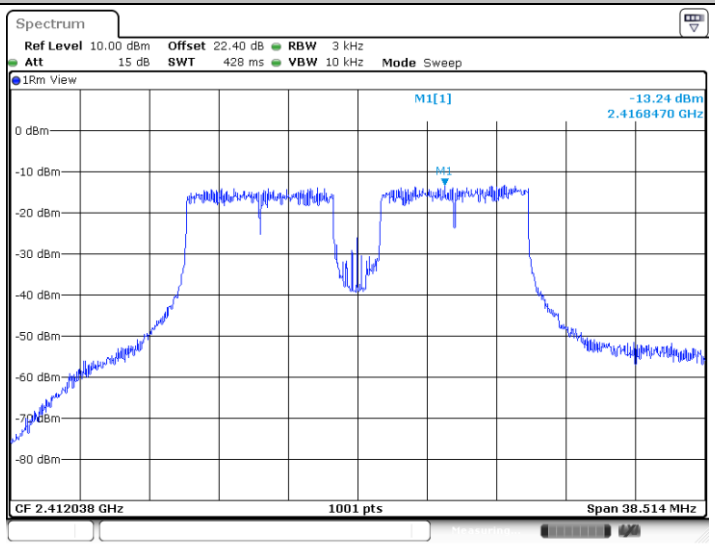
Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	RuSize	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
11BE20MIMO	Ant1	2412	52RU*4	-13.24	≤8.00	PASS
	Ant2	2412	52RU*4	-13.08	≤8.00	PASS
	Ant3	2412	52RU*4	-12.81	≤8.00	PASS
	Ant4	2412	52RU*4	-13.37	≤8.00	PASS
	total	2412	52RU*4	-7.10	≤8.00	PASS
	Ant1	2437	52RU*4	-12.51	≤8.00	PASS
	Ant2	2437	52RU*4	-12.39	≤8.00	PASS
	Ant3	2437	52RU*4	-12.24	≤8.00	PASS
	Ant4	2437	52RU*4	-12.09	≤8.00	PASS
	total	2437	52RU*4	-6.28	≤8.00	PASS
	Ant1	2462	52RU*4	-14.79	≤8.00	PASS
	Ant2	2462	52RU*4	-15.78	≤8.00	PASS
	Ant3	2462	52RU*4	-15.05	≤8.00	PASS
	Ant4	2462	52RU*4	-14.84	≤8.00	PASS
	total	2462	52RU*4	-9.08	≤8.00	PASS
11BE40MIMO	Ant1	2422	52RU*8	-18.55	≤8.00	PASS
	Ant2	2422	52RU*8	-18.31	≤8.00	PASS
	Ant3	2422	52RU*8	-18.33	≤8.00	PASS
	Ant4	2422	52RU*8	-18.72	≤8.00	PASS
	total	2422	52RU*8	-12.45	≤8.00	PASS
	Ant1	2437	52RU*8	-17.32	≤8.00	PASS
	Ant2	2437	52RU*8	-16.93	≤8.00	PASS
	Ant3	2437	52RU*8	-17.73	≤8.00	PASS
	Ant4	2437	52RU*8	-17.67	≤8.00	PASS
	total	2437	52RU*8	-11.38	≤8.00	PASS
	Ant1	2452	52RU*8	-19.06	≤8.00	PASS
	Ant2	2452	52RU*8	-18.74	≤8.00	PASS
	Ant3	2452	52RU*8	-18.87	≤8.00	PASS
	Ant4	2452	52RU*8	-19.66	≤8.00	PASS
	total	2452	52RU*8	-13.05	≤8.00	PASS

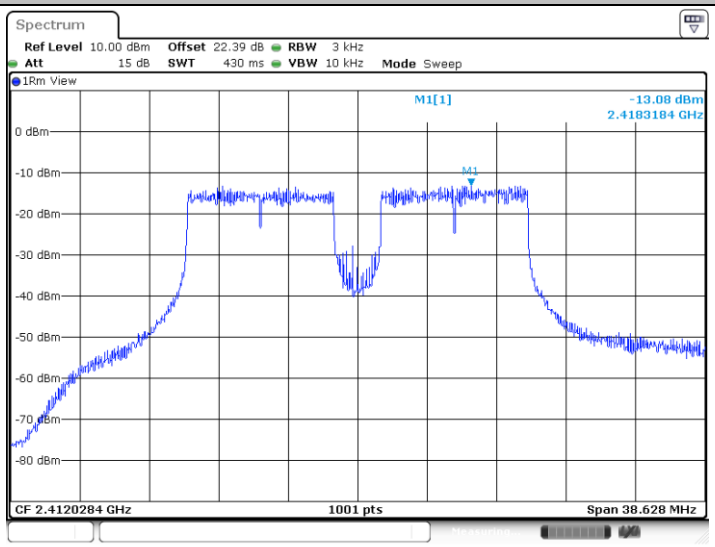
Test Graphs

11BE20MIMO_Ant1_2412_52RU*4



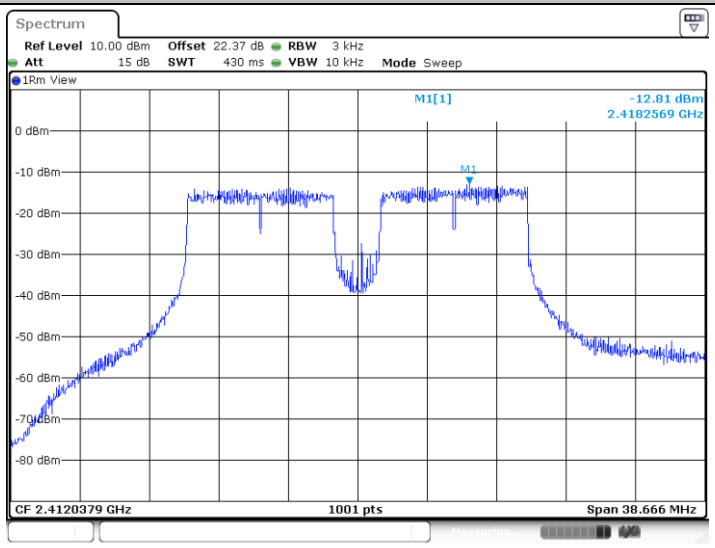
Date: 8.SEP.2024 11:04:52

11BE20MIMO_Ant2_2412_52RU*4



Date: 8.SEP.2024 11:05:14

11BE20MIMO_Ant3_2412_52RU*4



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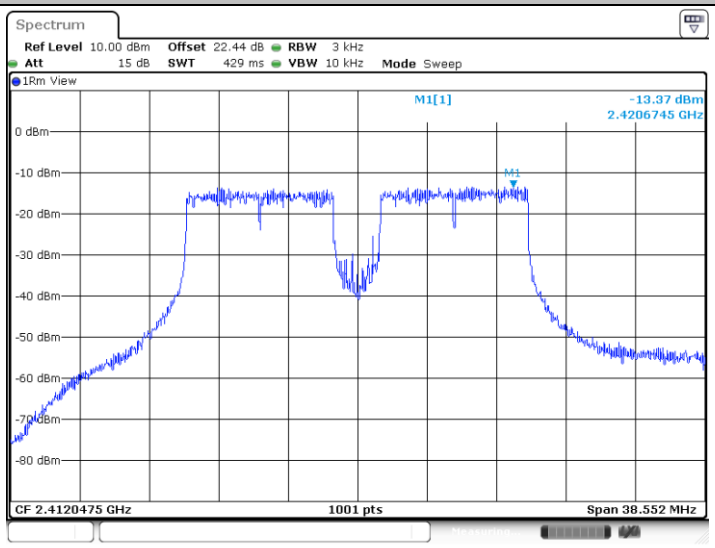
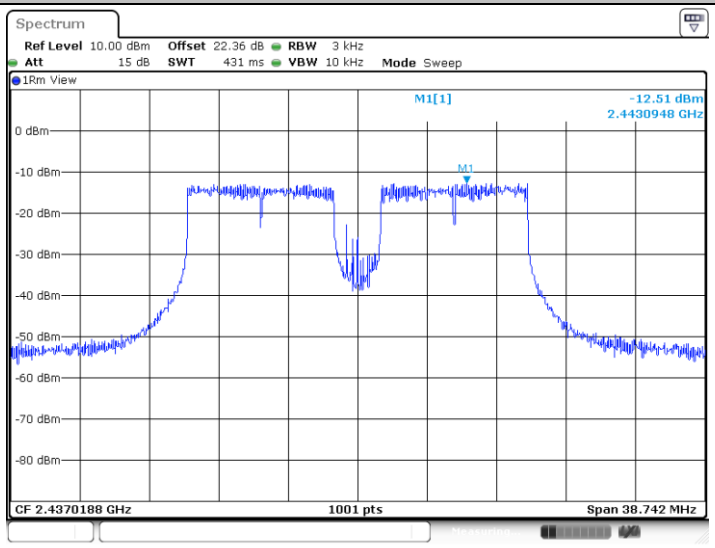
11BE20MIMO_Ant4_2412_52RU*4



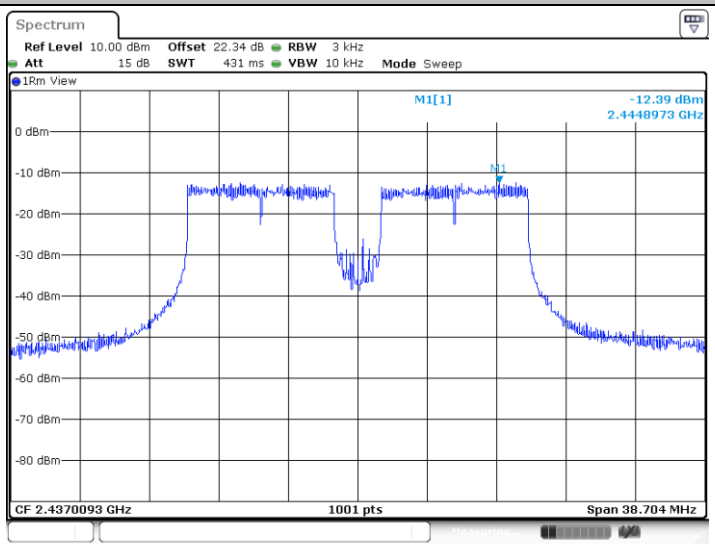
Date: 8.SEP.2024 11:06:00

11BE20MIMO_Ant1_2437_52RU*4



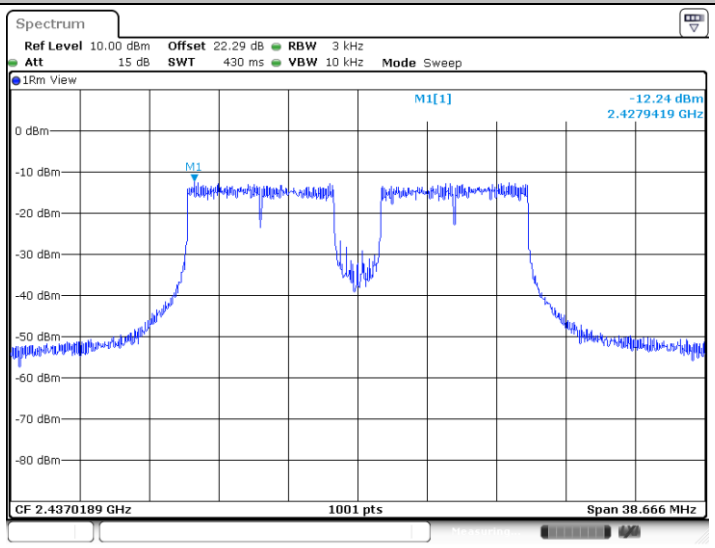
Date: 8.SEP.2024 11:54:25

11BE20MIMO_Ant2_2437_52RU*4



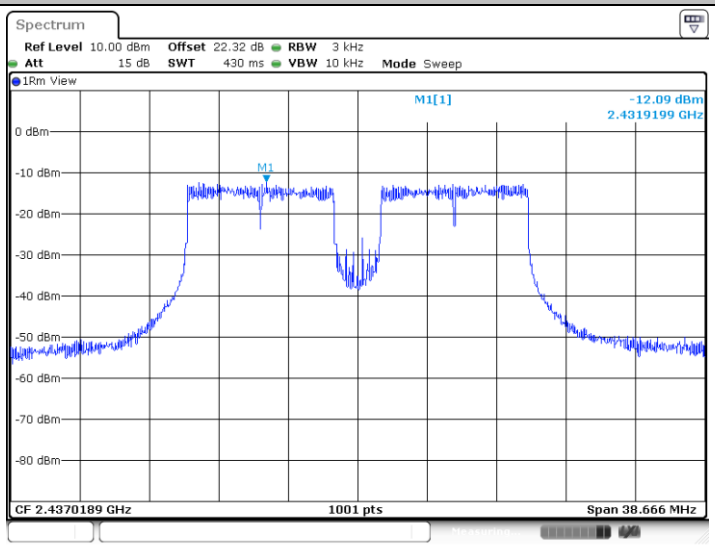
Date: 8.SEP.2024 11:54:47

11BE20MIMO_Ant3_2437_52RU*4



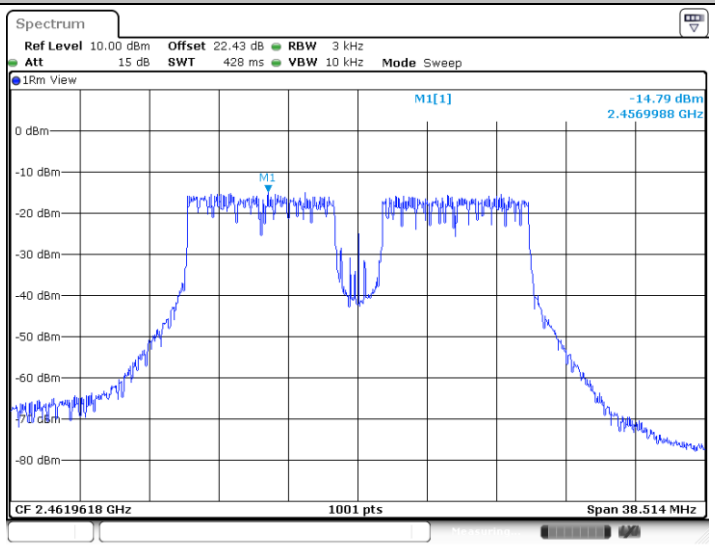
Date: 8.SEP.2024 11:55:10

11BE20MIMO_Ant4_2437_52RU*4



Date: 8.SEP.2024 11:55:32

11BE20MIMO_Ant1_2462_52RU*4



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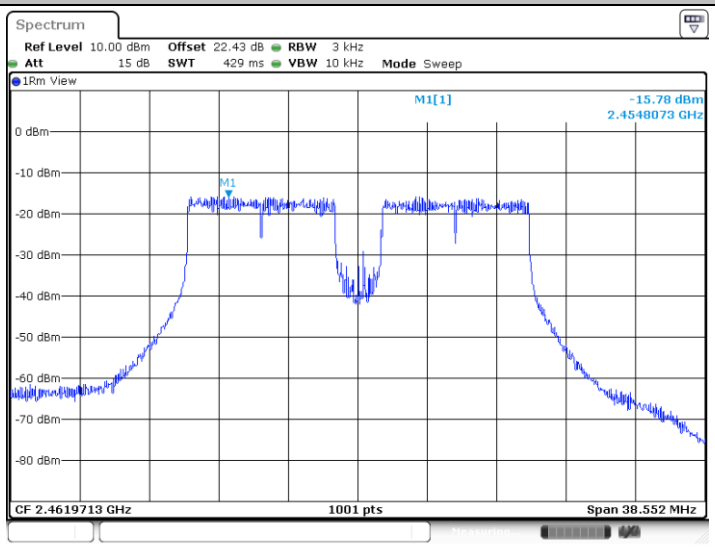
11BE20MIMO_Ant2_2462_52RU*4



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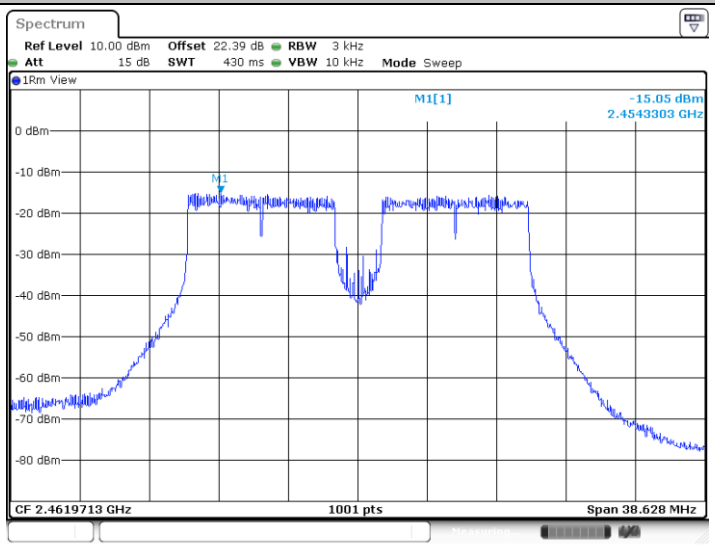
11BE20MIMO_Ant3_2462_52RU*4



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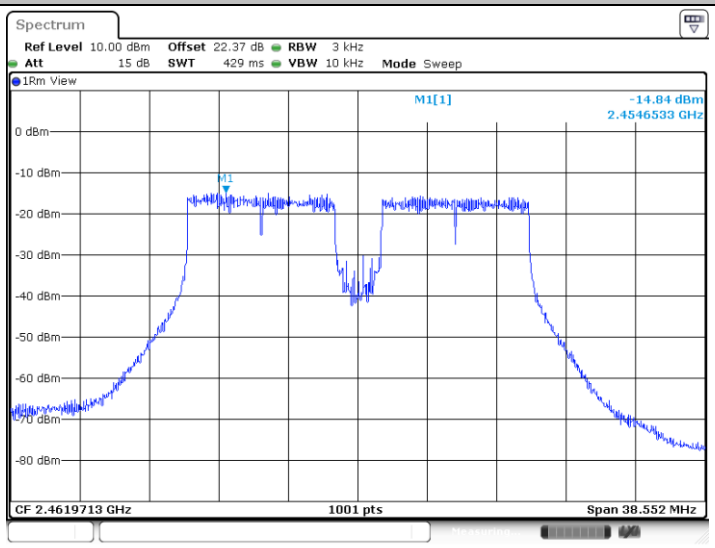
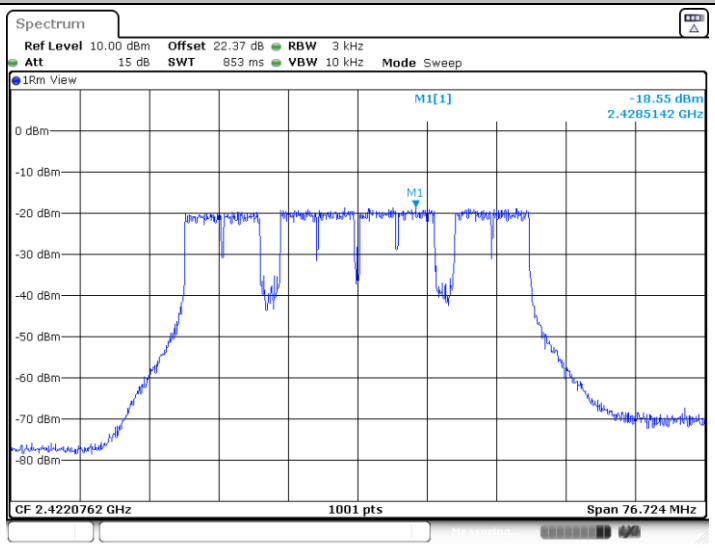
11BE20MIMO_Ant4_2462_52RU*4



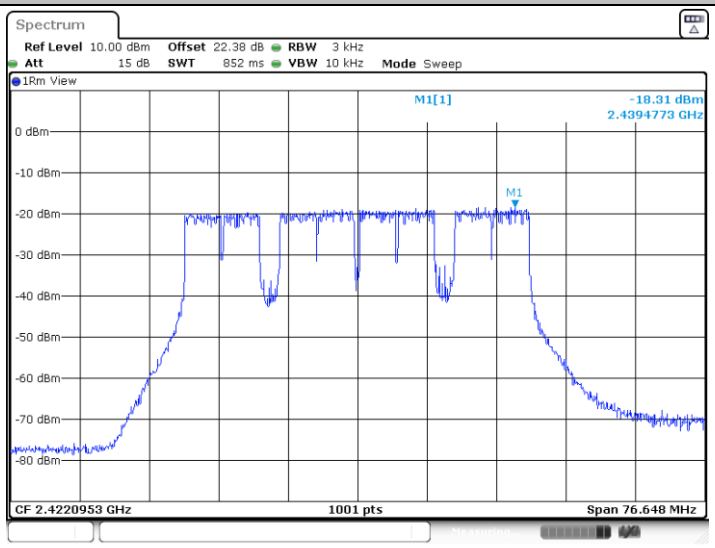
Date: 8.SEP.2024 11:57:42

11BE40MIMO_Ant1_2422_52RU*8



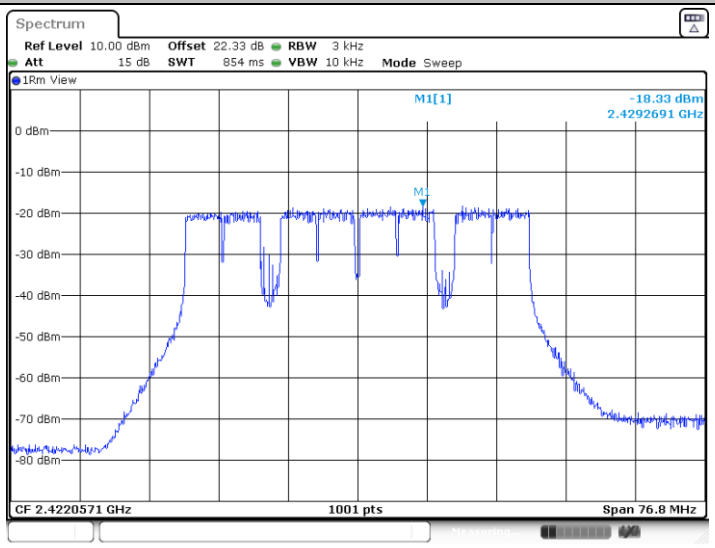
Date: 18.OCT.2024 16:04:35

11BE40MIMO_Ant2_2422_52RU*8



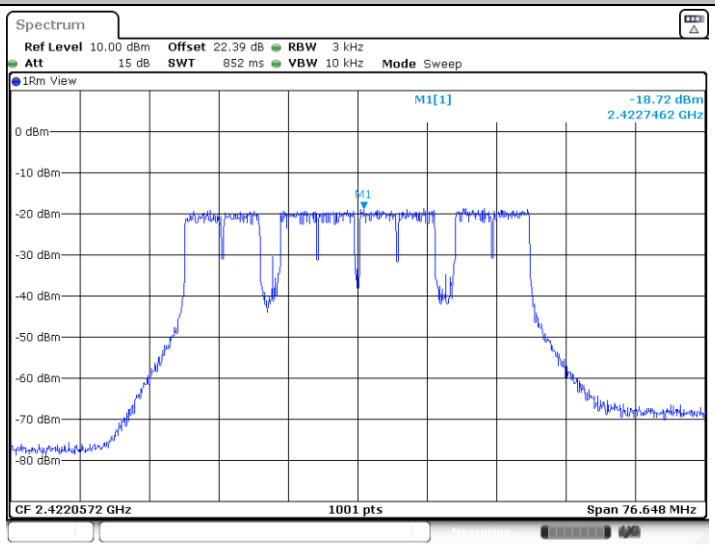
Date: 18.OCT.2024 16:04:57

11BE40MIMO_Ant3_2422_52RU*8



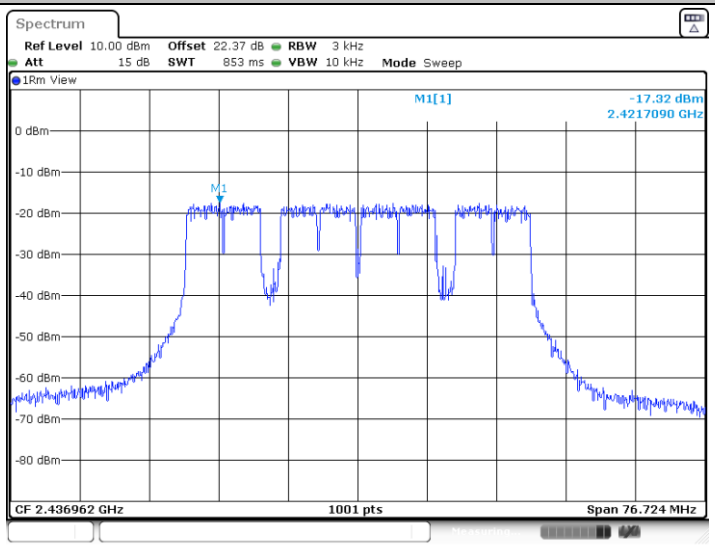
Date: 18.OCT.2024 16:05:21

11BE40MIMO_Ant4_2422_52RU*8



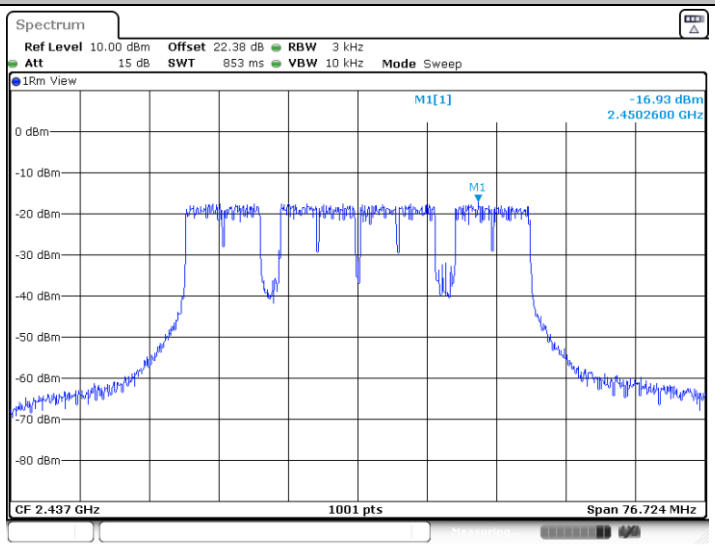
Date: 18.OCT.2024 16:05:45

11BE40MIMO_Ant1_2437_52RU*8



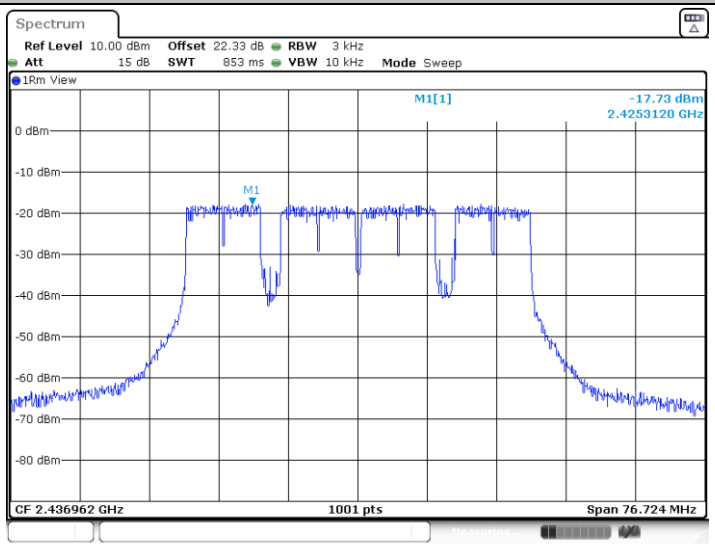
Date: 18.OCT.2024 16:07:24

11BE40MIMO_Ant2_2437_52RU*8



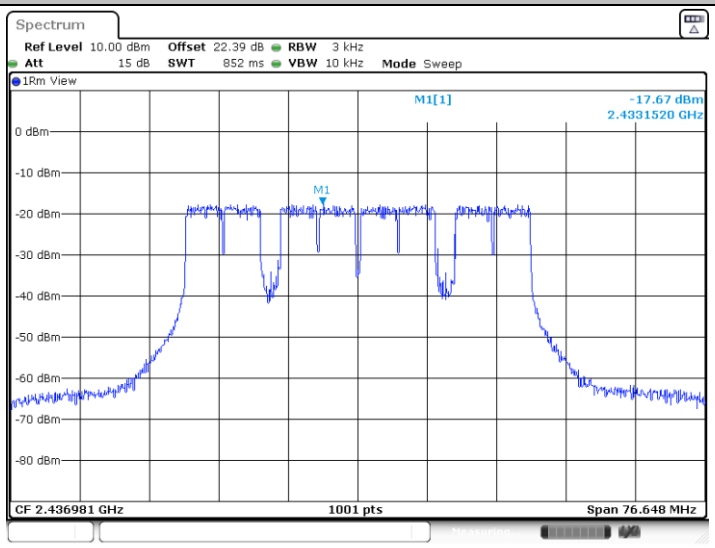
Date: 18.OCT.2024 16:07:46

11BE40MIMO_Ant3_2437_52RU*8



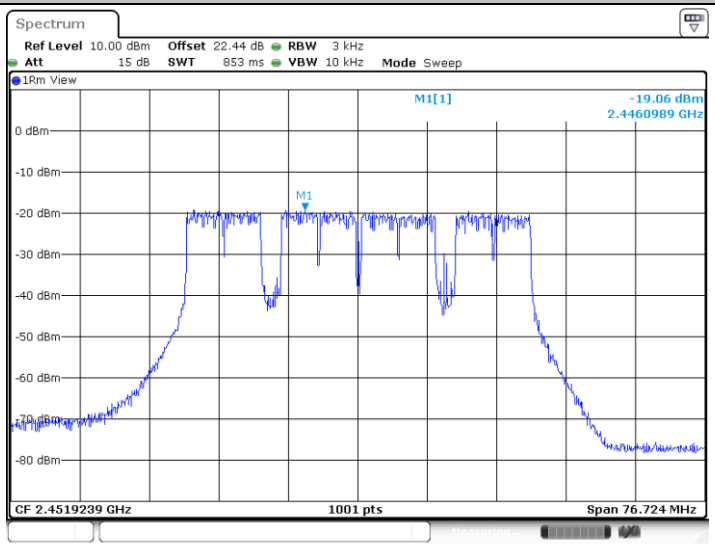
Date: 18.OCT.2024 16:08:10

11BE40MIMO_Ant4_2437_52RU*8



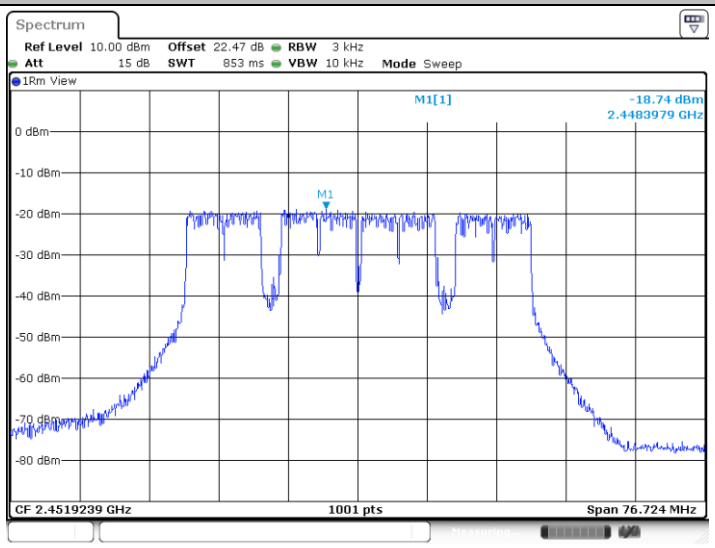
Date: 18.OCT.2024 16:08:34

11BE40MIMO_Ant1_2452_52RU*8



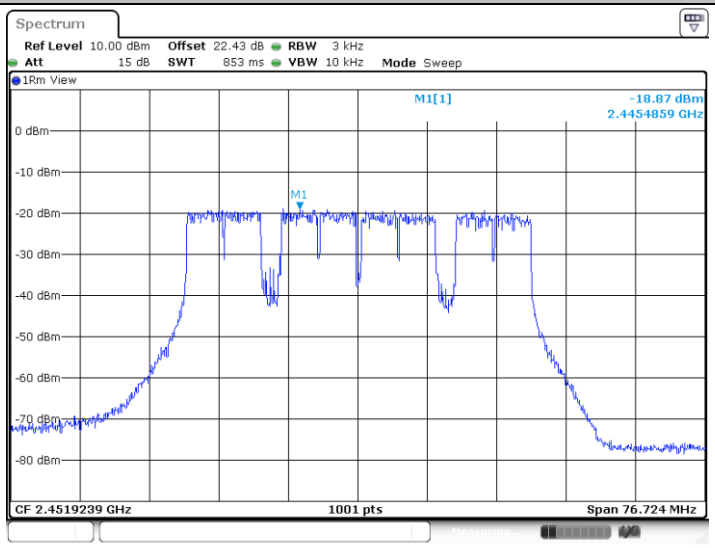
Date: 8.SEP.2024 12:49:21

11BE40MIMO_Ant2_2452_52RU*8



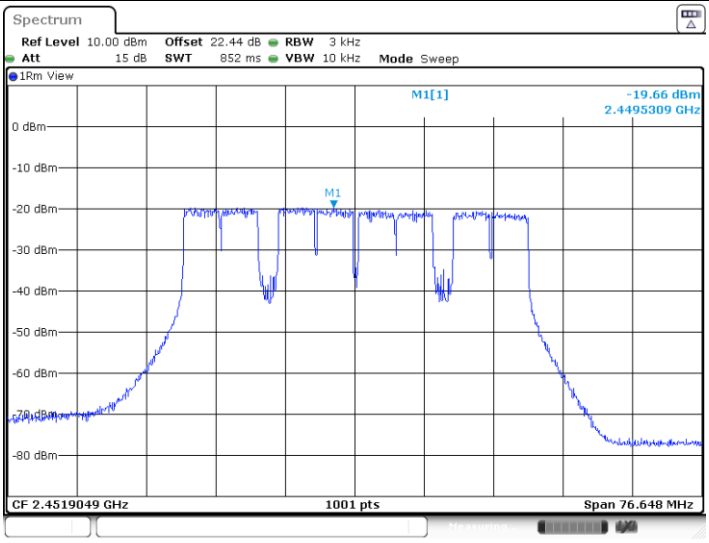
Date: 8.SEP.2024 12:49:43

11BE40MIMO_Ant3_2452_52RU*8



Date: 8.SEP.2024 12:50:06

11BE40MIMO_Ant4_2452_52RU*8



Date: 8.SEP.2024 12:53:53

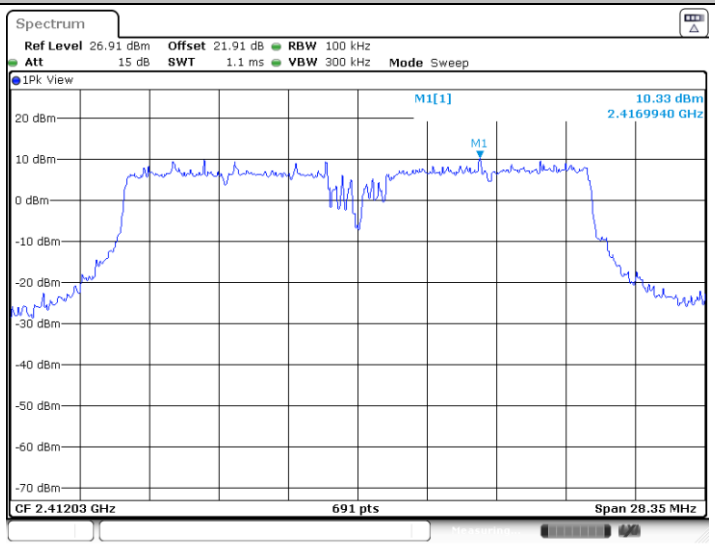
Reference level measurement

Test Result

TestMode	Antenna	Freq(MHz)	Ru Size	Max.Point[MHz]	Result[dBm/100KHZ]
11BE20MIMO	Ant1	2412	52RU*4	2416.99	10.33
	Ant2	2412	52RU*4	2418.29	9.65
	Ant3	2412	52RU*4	2419.50	10.97
	Ant4	2412	52RU*4	2416.98	9.88
	Ant1	2462	52RU*4	2456.97	8.33
	Ant2	2462	52RU*4	2469.49	8.29
	Ant3	2462	52RU*4	2456.98	8.99
	Ant4	2462	52RU*4	2464.50	8.99
11BE40MIMO	Ant1	2422	52RU*8	2437.01	2.90
	Ant2	2422	52RU*8	2436.97	3.19
	Ant3	2422	52RU*8	2437.02	3.31
	Ant4	2422	52RU*8	2439.53	3.36
	Ant1	2452	52RU*8	2435.78	4.28
	Ant2	2452	52RU*8	2447.04	4.74
	Ant3	2452	52RU*8	2447.04	5.03
	Ant4	2452	52RU*8	2446.98	4.50

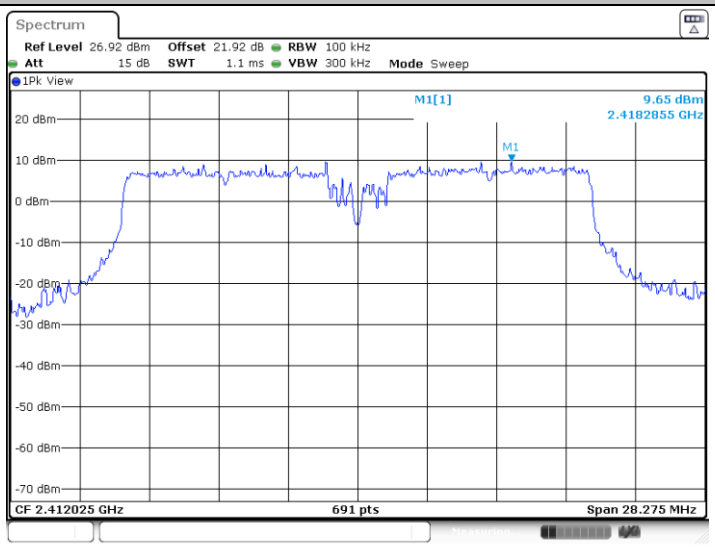
Test Graphs

11BE20MIMO_Ant1_2412_52RU*4



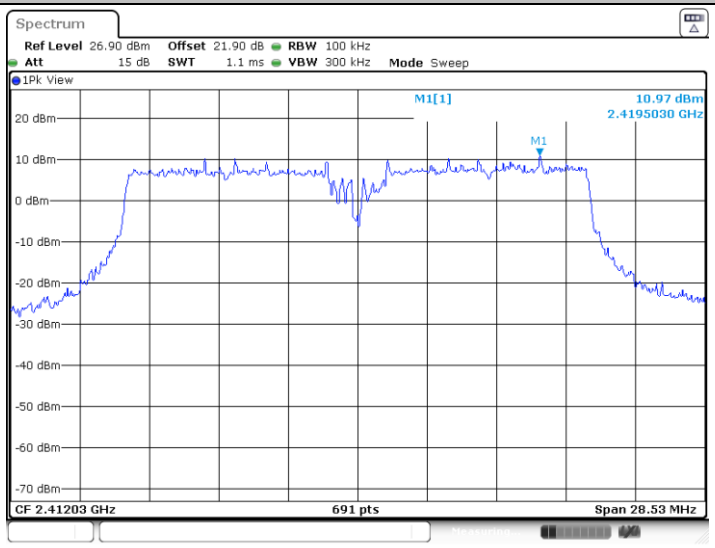
Date: 24.JUL.2024 07:43:36

11BE20MIMO_Ant2_2412_52RU*4



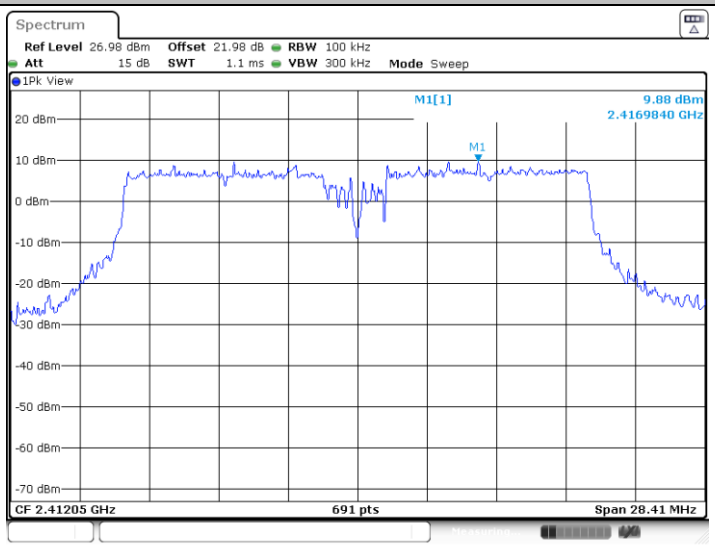
Date: 24.JUL.2024 07:44:51

11BE20MIMO_Ant3_2412_52RU*4



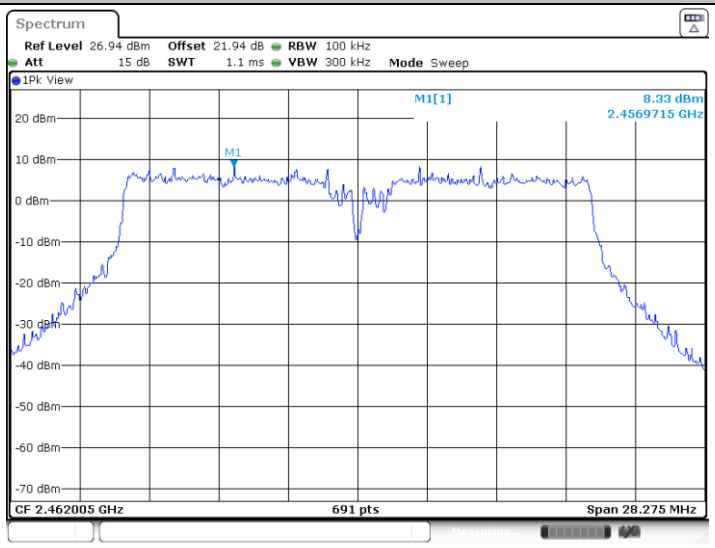
Date: 24.JUL.2024 07:46:06

11BE20MIMO_Ant4_2412_52RU*4



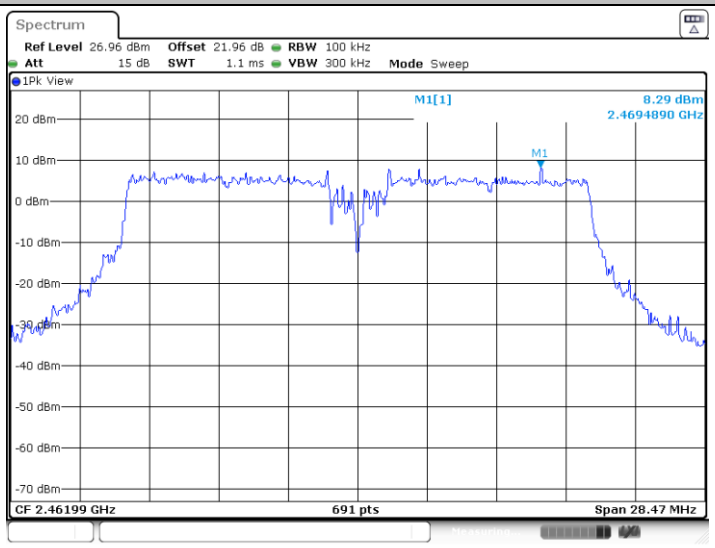
Date: 24.JUL.2024 07:47:21

11BE20MIMO_Ant1_2462_52RU*4



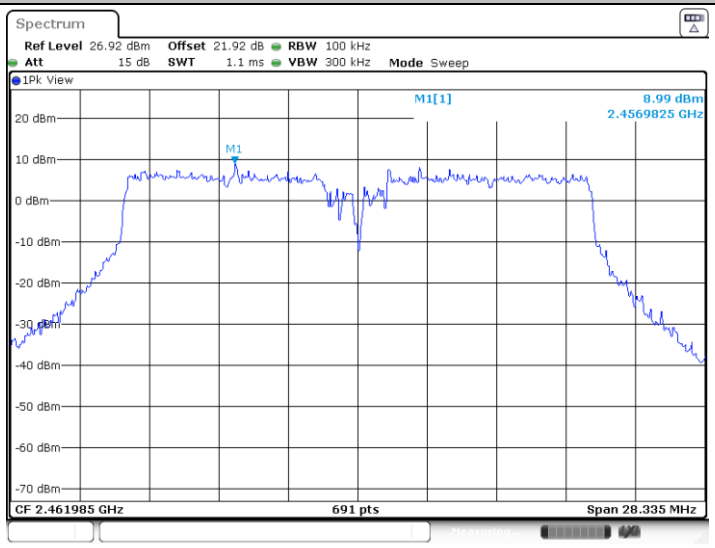
Date: 24.JUL.2024 08:04:59

11BE20MIMO_Ant2_2462_52RU*4



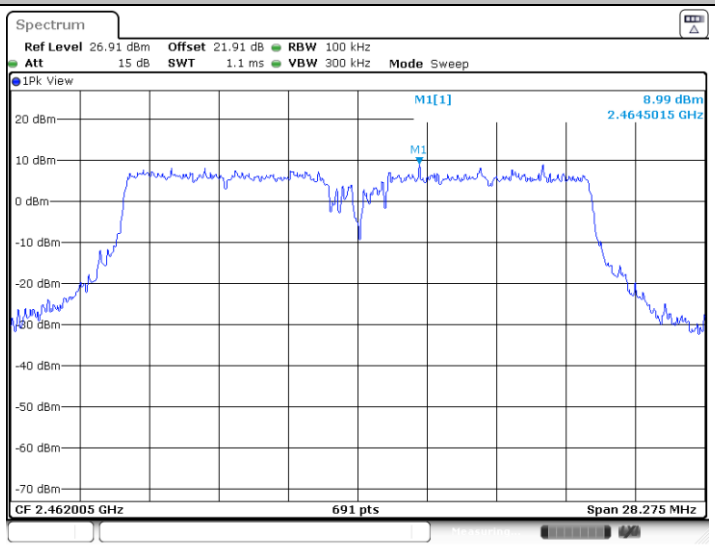
Date: 24.JUL.2024 08:06:16

11BE20MIMO_Ant3_2462_52RU*4



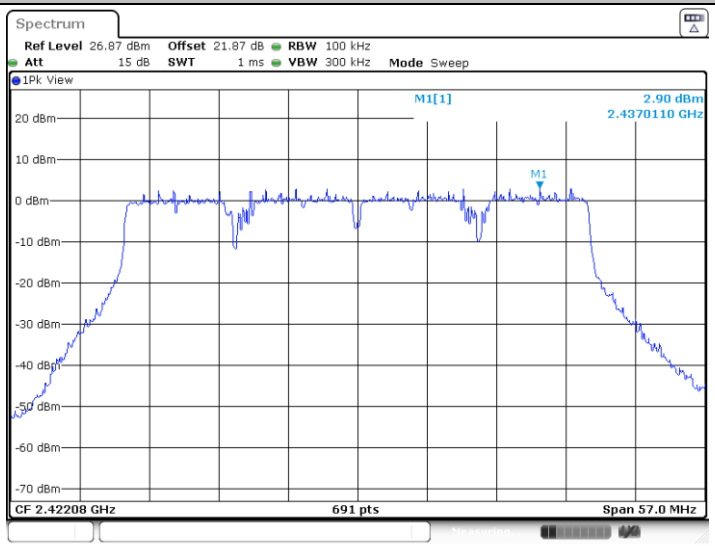
Date: 24.JUL.2024 08:07:32

11BE20MIMO_Ant4_2462_52RU*4



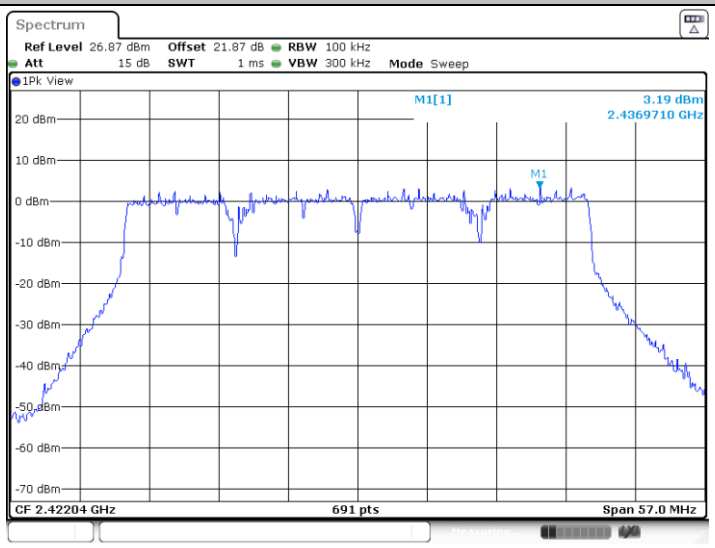
Date: 24.JUL.2024 08:08:47

11BE40MIMO_Ant1_2422_52RU*8



Date: 24.JUL.2024 08:24:51

11BE40MIMO_Ant2_2422_52RU*8



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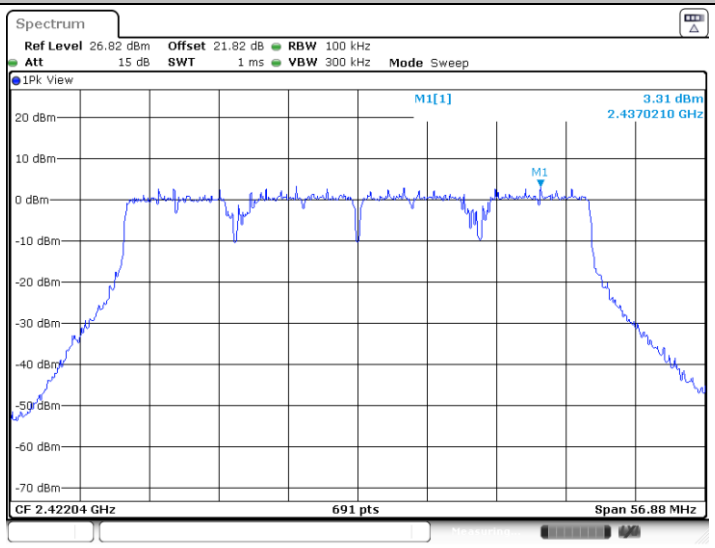
11BE40MIMO_Ant3_2422_52RU*8



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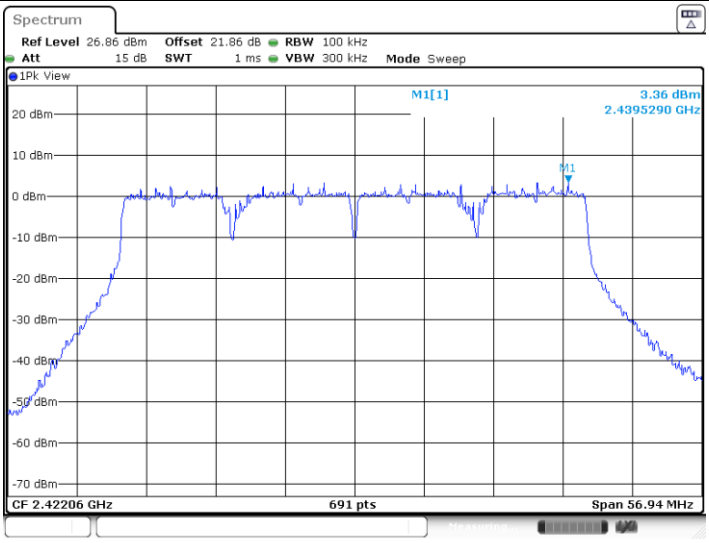
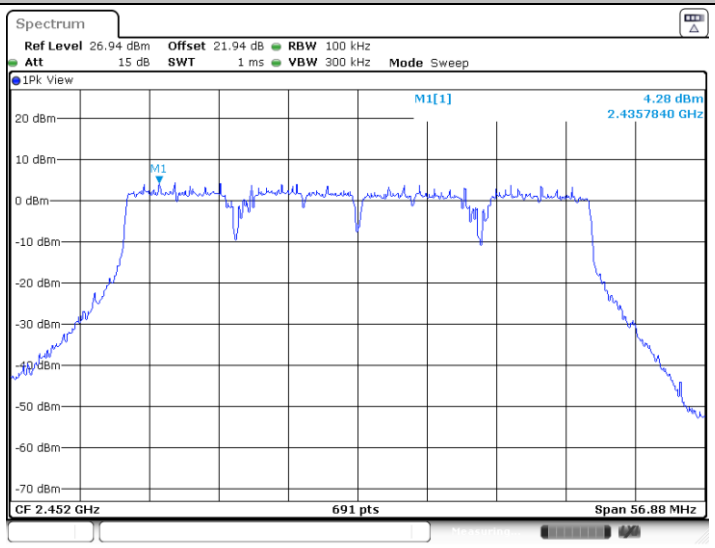
11BE40MIMO_Ant4_2422_52RU*8



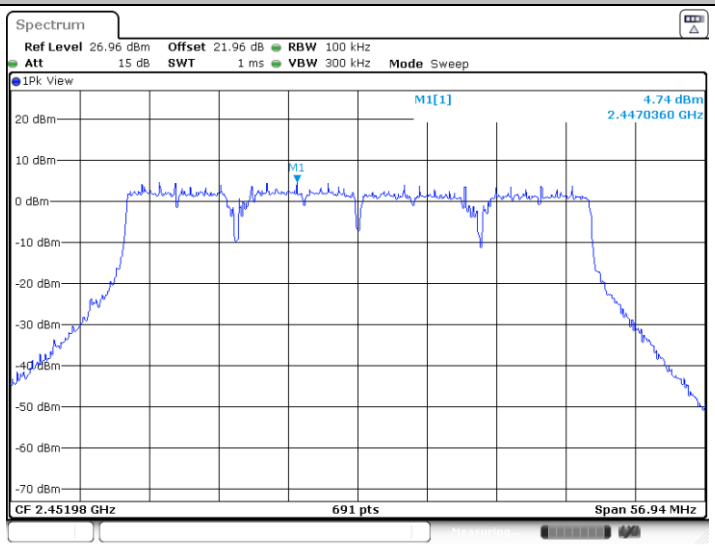
Date: 24.JUL.2024 08:28:37

11BE40MIMO_Ant1_2452_52RU*8



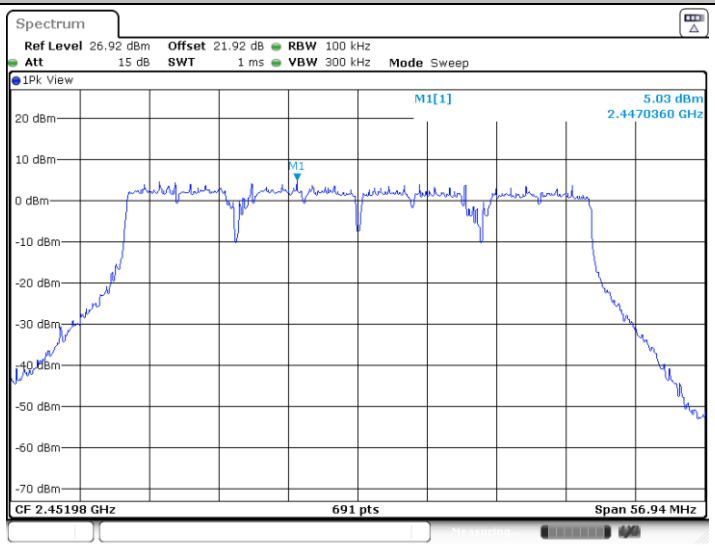
Date: 24.JUL.2024 08:49:26

11BE40MIMO_Ant2_2452_52RU*8



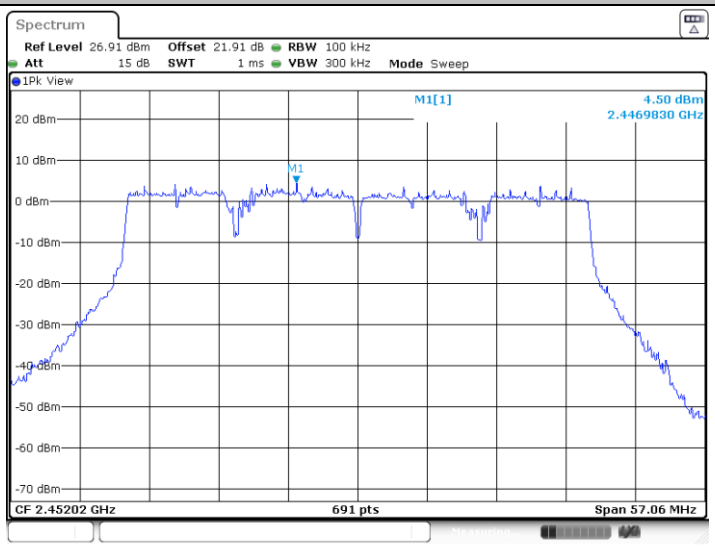
Date: 24.JUL.2024 08:50:42

11BE40MIMO_Ant3_2452_52RU*8



Date: 24.JUL.2024 08:51:57

11BE40MIMO_Ant4_2452_52RU*8



Date: 24.JUL.2024 08:53:13

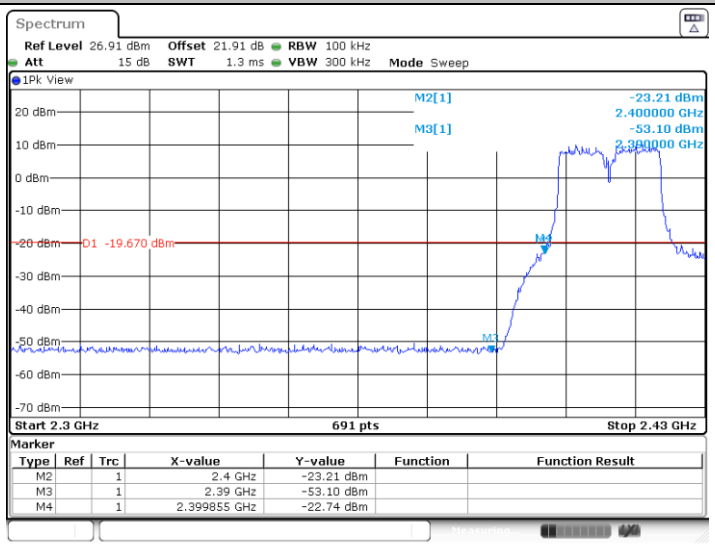
Band edge measurements

Test Result

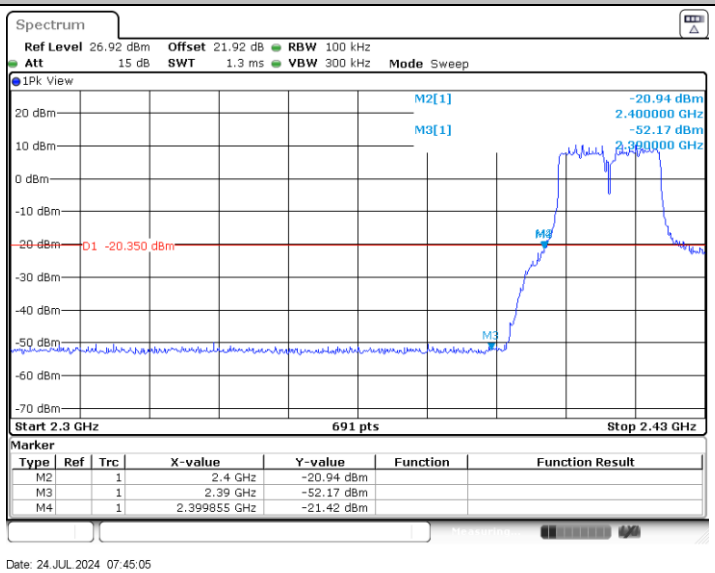
TestMode	Antenna	ChName	Freq(MHz)	Ru Size	RefLevel [dBm/100KHZ]	Result [dBm/100KHZ]	Limit [dBm/100KHZ]	Verdict
11BE20MIMO	Ant1	Low	2412	52RU*4	10.33	-22.74	≤-19.67	PASS
	Ant2	Low	2412	52RU*4	9.65	-21.42	≤-20.35	PASS
	Ant3	Low	2412	52RU*4	10.97	-23.96	≤-19.03	PASS
	Ant4	Low	2412	52RU*4	9.88	-22	≤-20.12	PASS
	Ant1	High	2462	52RU*4	8.33	-50.01	≤-21.67	PASS
	Ant2	High	2462	52RU*4	8.29	-49.38	≤-21.71	PASS
	Ant3	High	2462	52RU*4	8.99	-49.38	≤-21.01	PASS
	Ant4	High	2462	52RU*4	8.99	-49.18	≤-21.01	PASS
11BE40MIMO	Ant1	Low	2422	52RU*8	2.90	-29.83	≤-27.1	PASS
	Ant2	Low	2422	52RU*8	3.19	-32.28	≤-26.81	PASS
	Ant3	Low	2422	52RU*8	3.31	-28.66	≤-26.69	PASS
	Ant4	Low	2422	52RU*8	3.36	-30.58	≤-26.64	PASS
	Ant1	High	2452	52RU*8	4.28	-49.6	≤-25.72	PASS
	Ant2	High	2452	52RU*8	4.74	-49.86	≤-25.26	PASS
	Ant3	High	2452	52RU*8	5.03	-50.11	≤-24.97	PASS
	Ant4	High	2452	52RU*8	4.50	-50.26	≤-25.5	PASS

Test Graphs

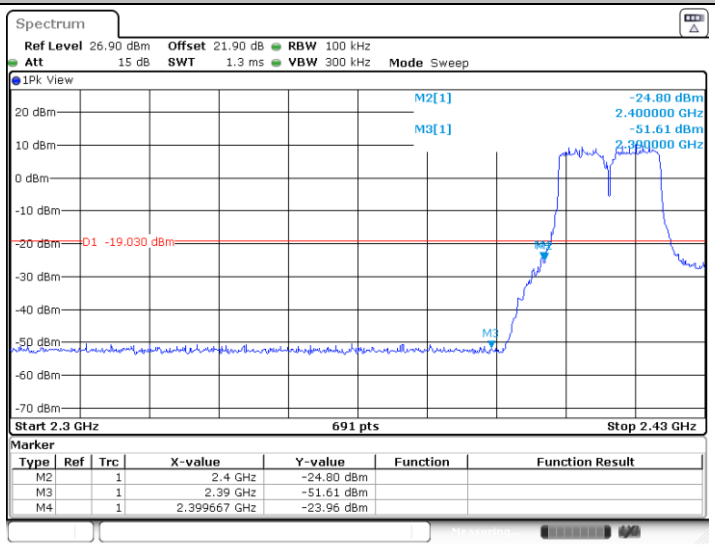
11BE20MIMO_Ant1_Low_2412_52RU*4



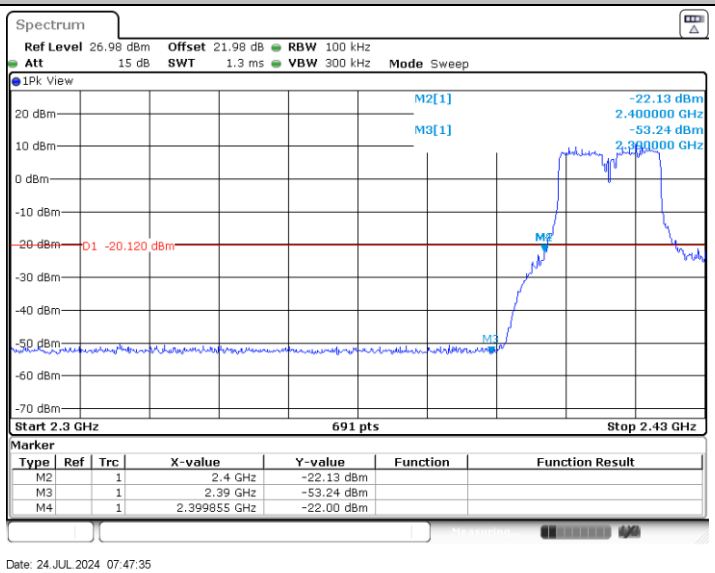
11BE20MIMO_Ant2_Low_2412_52RU*4



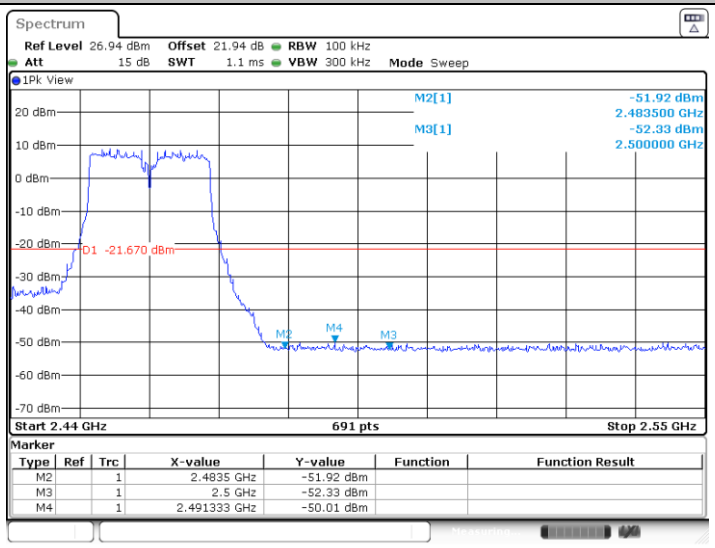
11BE20MIMO_Ant3_Low_2412_52RU*4



11BE20MIMO_Ant4_Low_2412_52RU*4



11BE20MIMO_Ant1_High_2462_52RU*4



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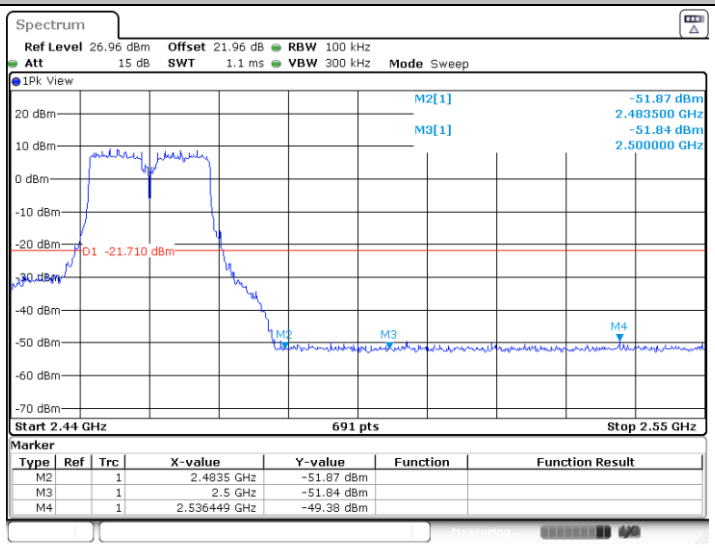
11BE20MIMO_Ant2_High_2462_52RU*4



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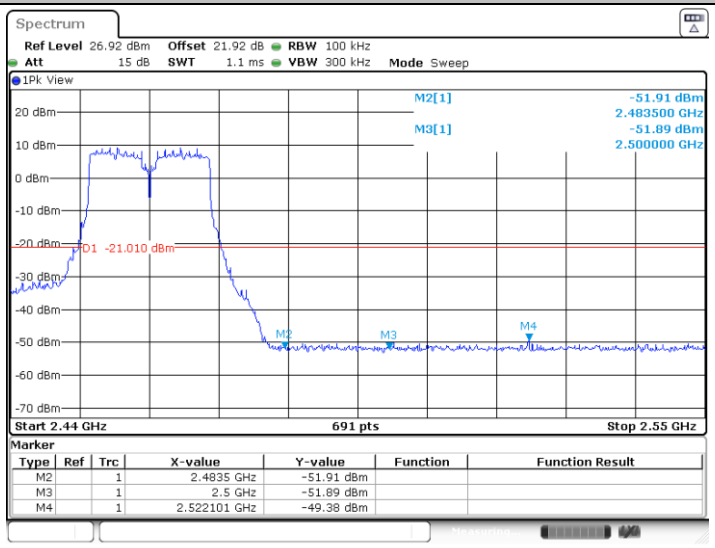
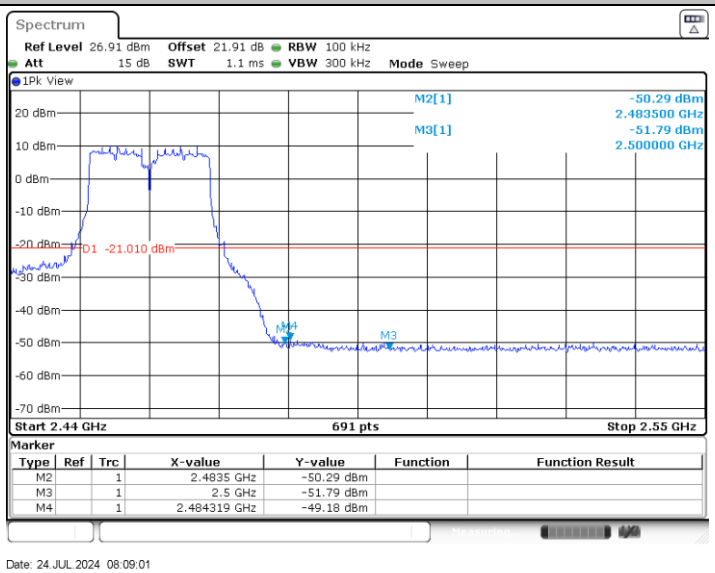
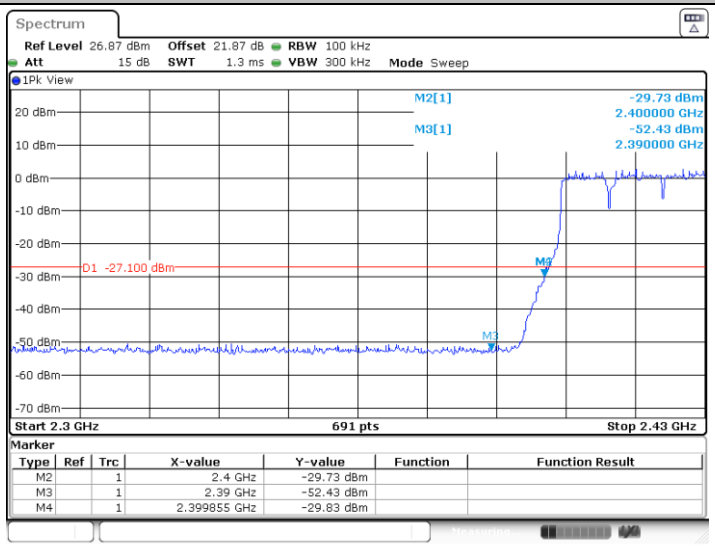
11BE20MIMO_Ant3_High_2462_52RU*4



11BE20MIMO_Ant4_High_2462_52RU*4



11BE40MIMO_Ant1_Low_2422_52RU*8



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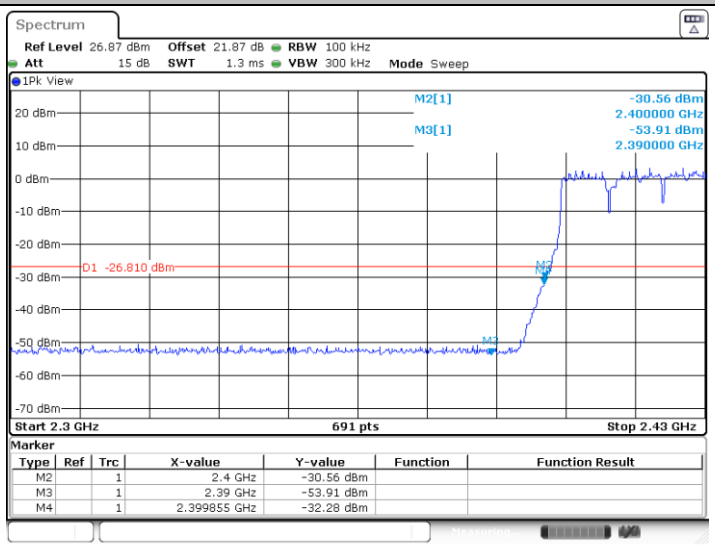
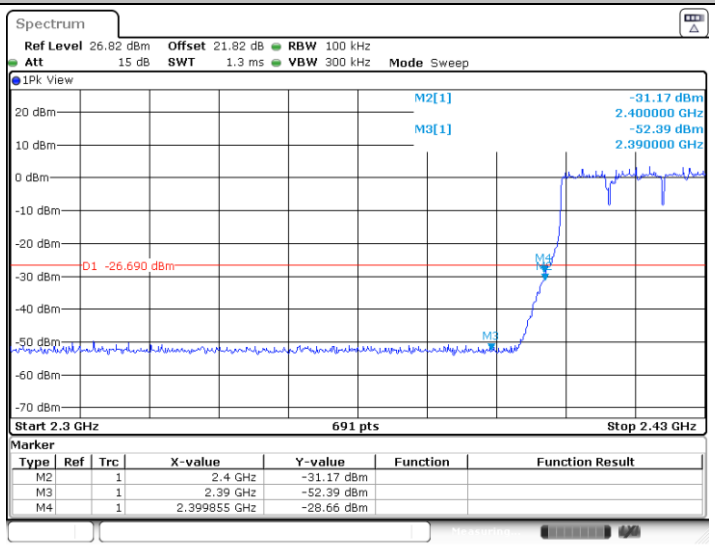
11BE40MIMO_Ant2_Low_2422_52RU*8

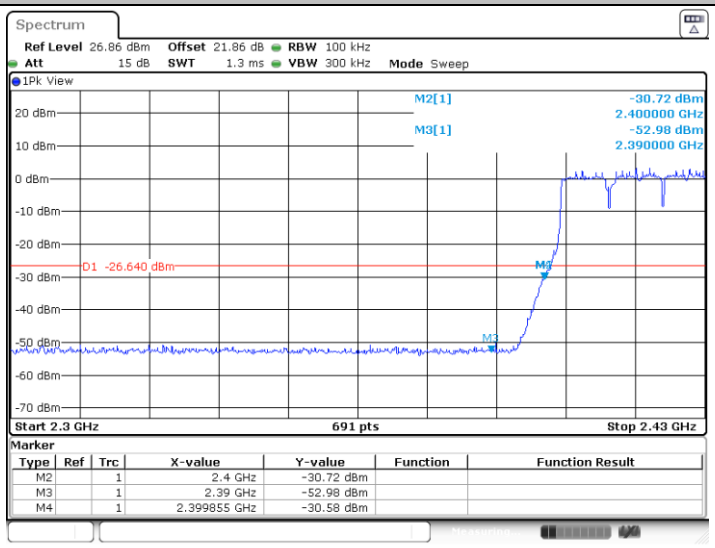


Date: 24.JUL.2024 08:26:20

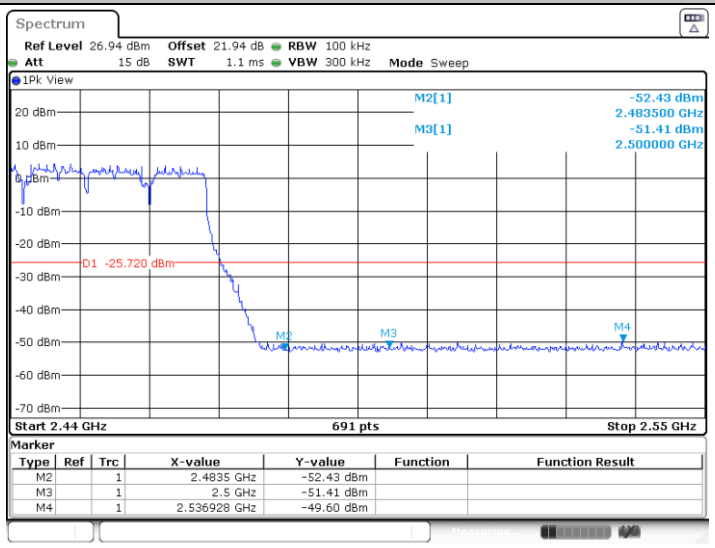
11BE40MIMO_Ant3_Low_2422_52RU*8



11BE40MIMO_Ant4_Low_2422_52RU*8



11BE40MIMO_Ant1_High_2452_52RU*8



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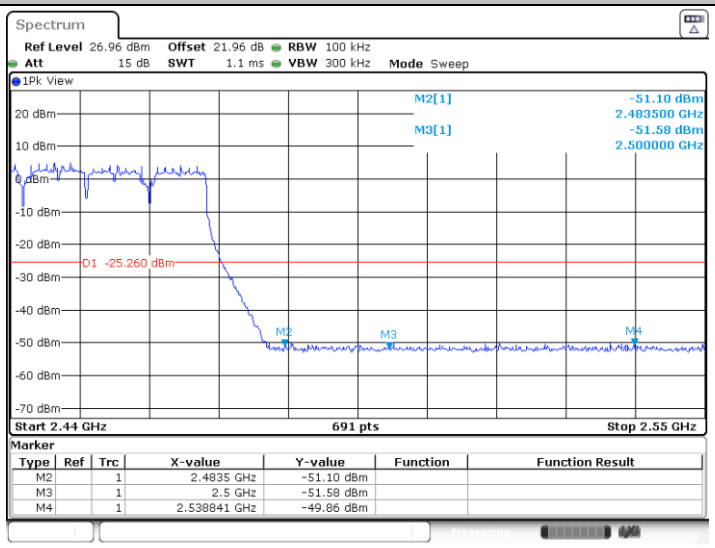
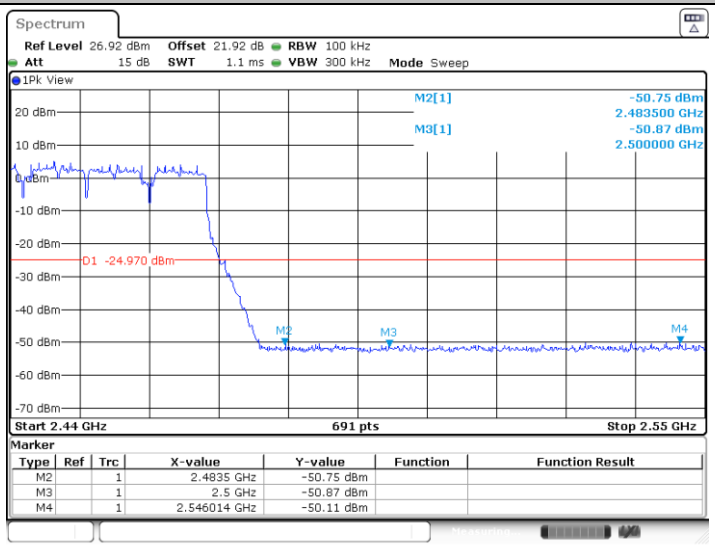
11BE40MIMO_Ant2_High_2452_52RU*8



Date: 24.JUL.2024 08:50:56

11BE40MIMO_Ant3_High_2452_52RU*8



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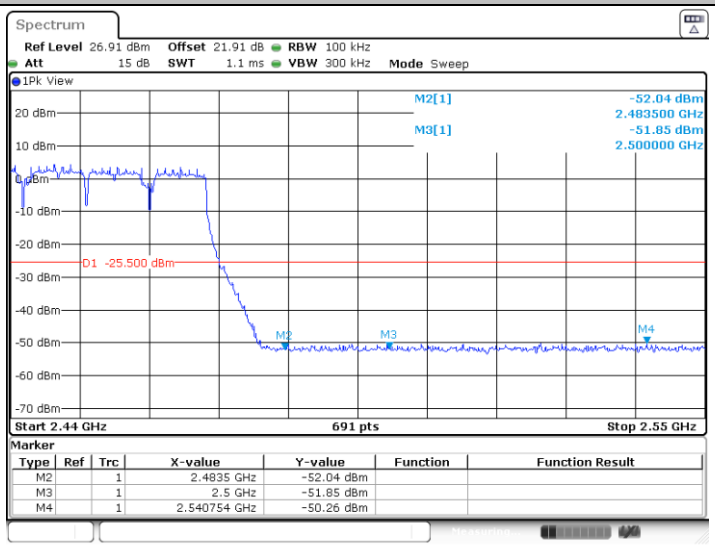
11BE40MIMO_Ant4_High_2452_52RU*8



Date: 24.JUL.2024 08:53:27

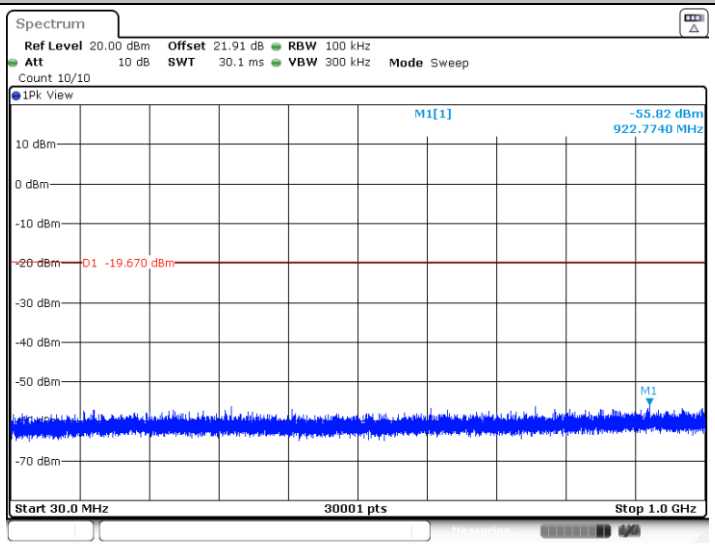
Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq (MHz)	Ru Size	FreqRange [Mhz]	RefLevel [dBm /100KHZ]	Result [dBm /100KHZ]	Limit [dBm /100KHZ]	Verdict
11BE20 MIMO	Ant1	2412	52RU*4	30~1000	10.33	-55.82	≤-19.67	PASS
				1000~26500	10.33	-51.16	≤-19.67	PASS
	Ant2	2412	52RU*4	30~1000	9.65	-56.10	≤-20.35	PASS
				1000~26500	9.65	-51.06	≤-20.35	PASS
	Ant3	2412	52RU*4	30~1000	10.97	-56.56	≤-19.03	PASS
				1000~26500	10.97	-50.80	≤-19.03	PASS
	Ant4	2412	52RU*4	30~1000	9.88	-55.19	≤-20.12	PASS
				1000~26500	9.88	-50.70	≤-20.12	PASS
	Ant1	2462	52RU*4	30~1000	8.33	-55.60	≤-21.67	PASS
				1000~26500	8.33	-50.90	≤-21.67	PASS
	Ant2	2462	52RU*4	30~1000	8.29	-55.45	≤-21.71	PASS
				1000~26500	8.29	-50.85	≤-21.71	PASS
	Ant3	2462	52RU*4	30~1000	8.99	-56.10	≤-21.01	PASS
				1000~26500	8.99	-51.29	≤-21.01	PASS
	Ant4	2462	52RU*4	30~1000	8.99	-56.26	≤-21.01	PASS
				1000~26500	8.99	-51.04	≤-21.01	PASS
11BE40 MIMO	Ant1	2422	52RU*8	30~1000	2.90	-56.48	≤-27.1	PASS
				1000~26500	2.90	-50.93	≤-27.1	PASS
	Ant2	2422	52RU*8	30~1000	3.19	-55.36	≤-26.81	PASS
				1000~26500	3.19	-50.45	≤-26.81	PASS
	Ant3	2422	52RU*8	30~1000	3.31	-56.53	≤-26.69	PASS
				1000~26500	3.31	-51.22	≤-26.69	PASS
	Ant4	2422	52RU*8	30~1000	3.36	-56.28	≤-26.64	PASS
				1000~26500	3.36	-50.84	≤-26.64	PASS
	Ant1	2452	52RU*8	30~1000	4.28	-55.91	≤-25.72	PASS
				1000~26500	4.28	-51.22	≤-25.72	PASS
	Ant2	2452	52RU*8	30~1000	4.74	-55.53	≤-25.26	PASS
				1000~26500	4.74	-50.83	≤-25.26	PASS
	Ant3	2452	52RU*8	30~1000	5.03	-56.01	≤-24.97	PASS
				1000~26500	5.03	-51.20	≤-24.97	PASS
	Ant4	2452	52RU*8	30~1000	4.50	-56.44	≤-25.5	PASS
				1000~26500	4.50	-50.80	≤-25.5	PASS

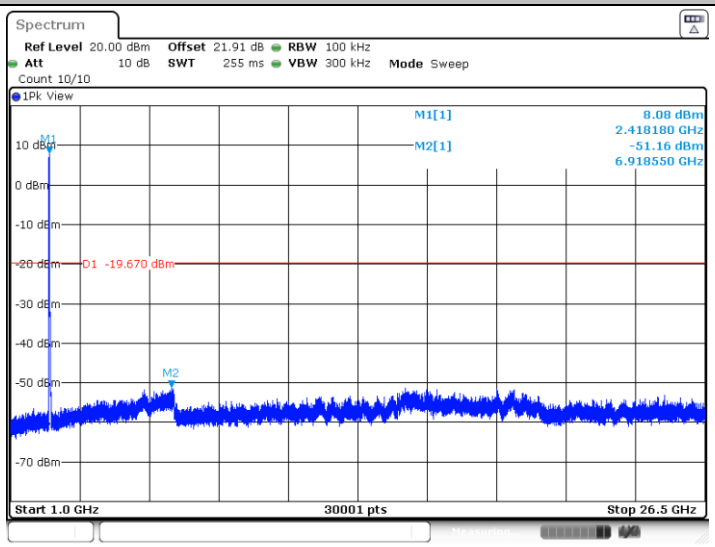
Test Graphs

11BE20MIMO_Ant1_2412_52RU*4_30~1000



Date: 24.JUL.2024 07:43:58

11BE20MIMO_Ant1_2412_52RU*4_1000~26500



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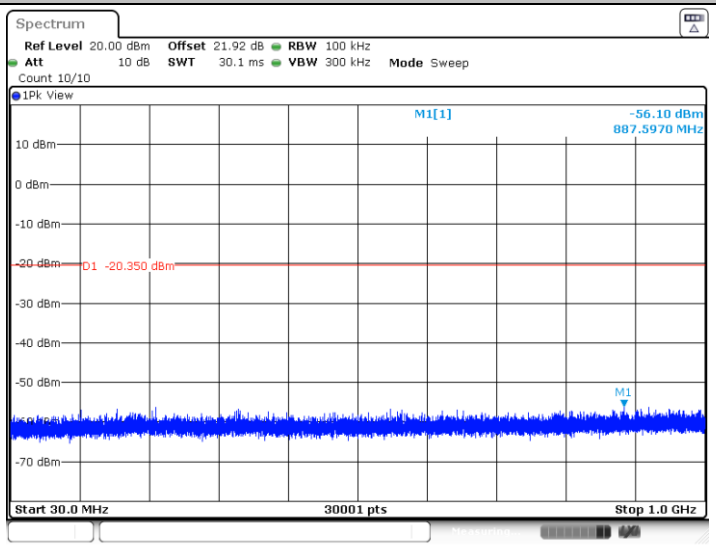
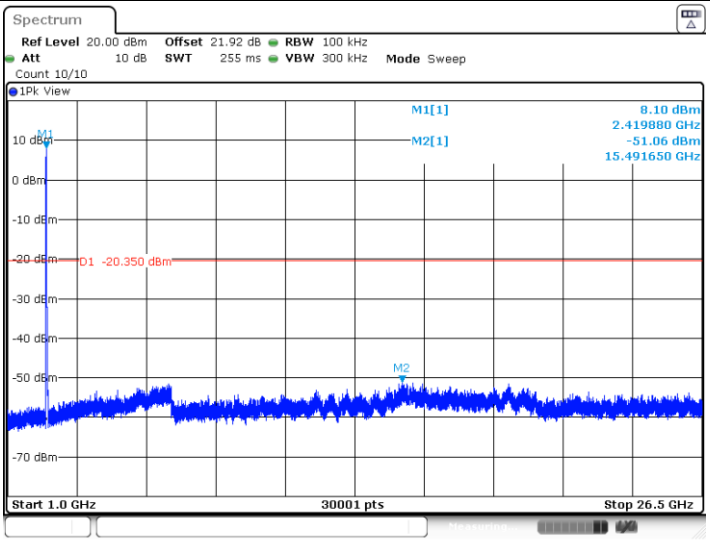
11BE20MIMO_Ant2_2412_52RU*4_30~1000



Date: 24.JUL.2024 07:45:12

11BE20MIMO_Ant2_2412_52RU*4_1000~26500



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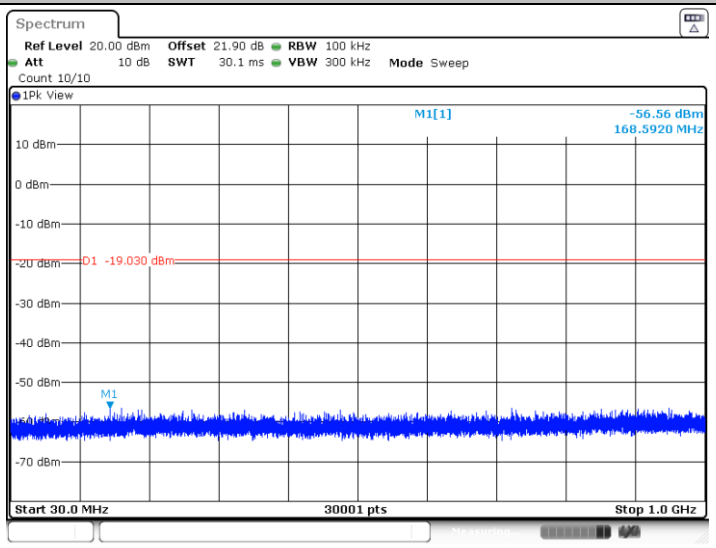
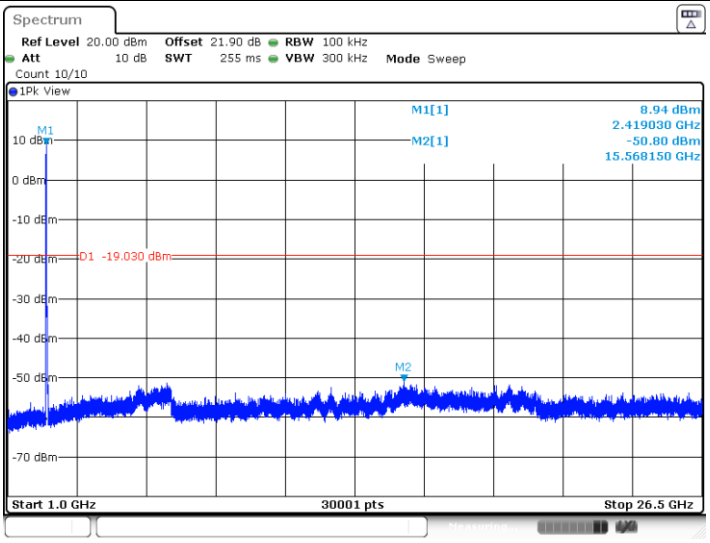
11BE20MIMO_Ant3_2412_52RU*4_30~1000



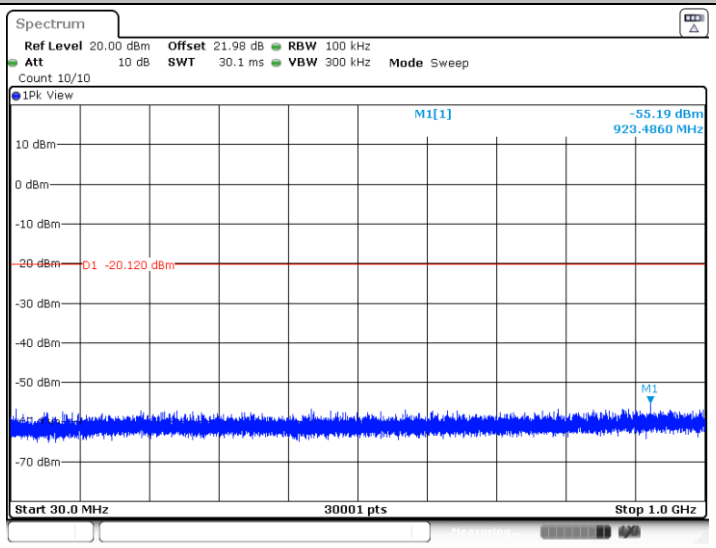
Date: 24.JUL.2024 07:46:27

11BE20MIMO_Ant3_2412_52RU*4_1000~26500



Date: 24.JUL.2024 07:46:43

11BE20MIMO_Ant4_2412_52RU*4_30~1000



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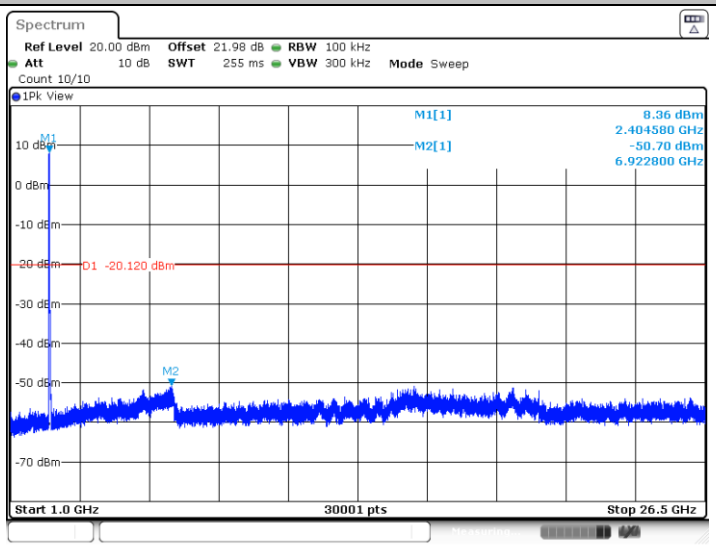
11BE20MIMO_Ant4_2412_52RU*4_1000~26500



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