

# RF Test Data for 2.4G Wi-Fi (Conducted Measurements)

General Description of EUT	
<b>Product Name:</b>	Network Media Players
<b>Test Model:</b>	DV6068Y
<b>Sample ID:</b>	202305-0132-12-#2
Environmental Conditions	
<b>Temperature:</b>	25°C
<b>Relative Humidity:</b>	55%
<b>Test Voltage:</b>	DC 5V
<b>Test Engineer:</b>	Huang jian ping
Note: For a more detailed features description, please refer to the report TBR-C-202305-0132-132 The report only show the worst case data.	

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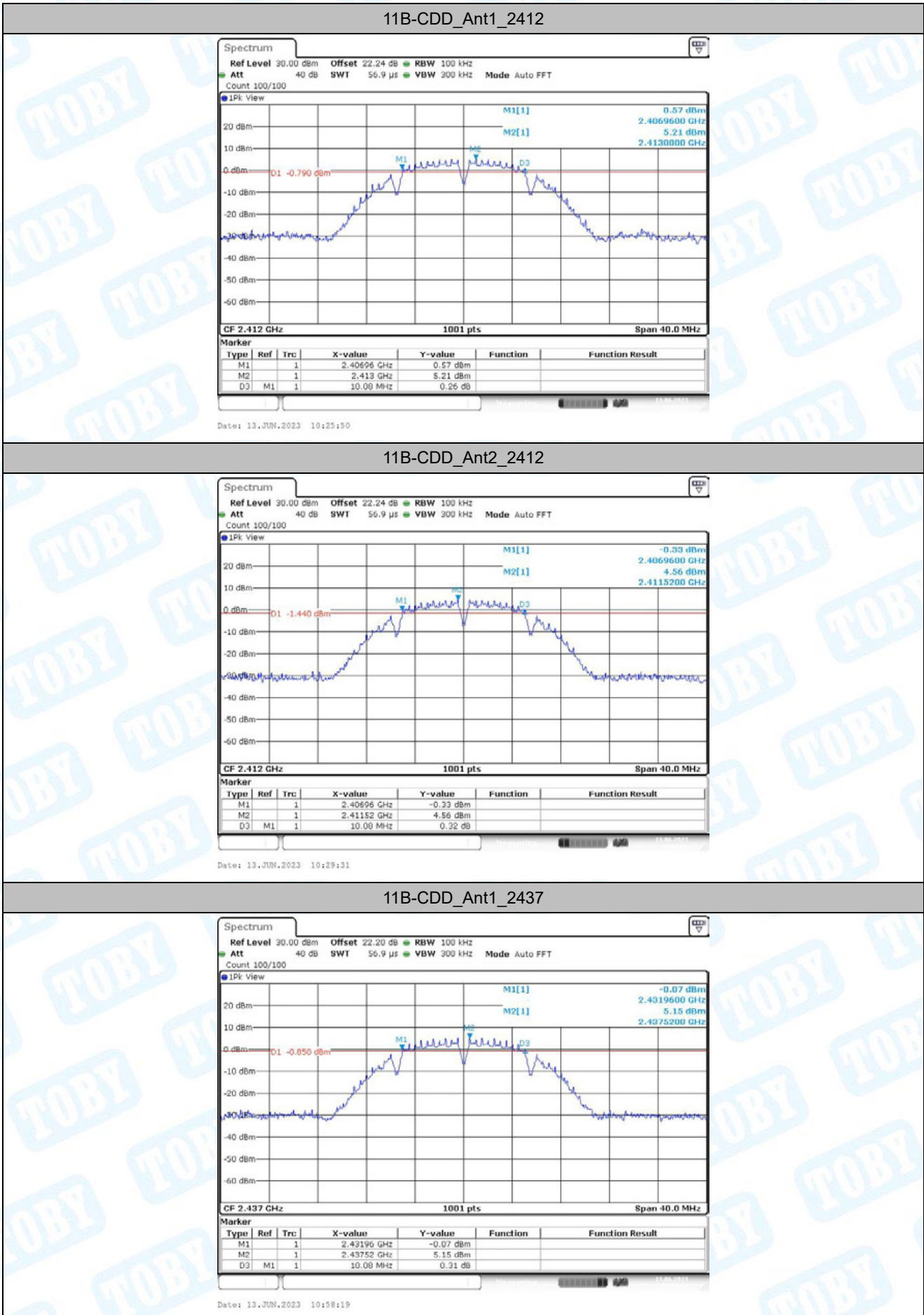


# 1. DTS Bandwidth

## 1.1. Test Result

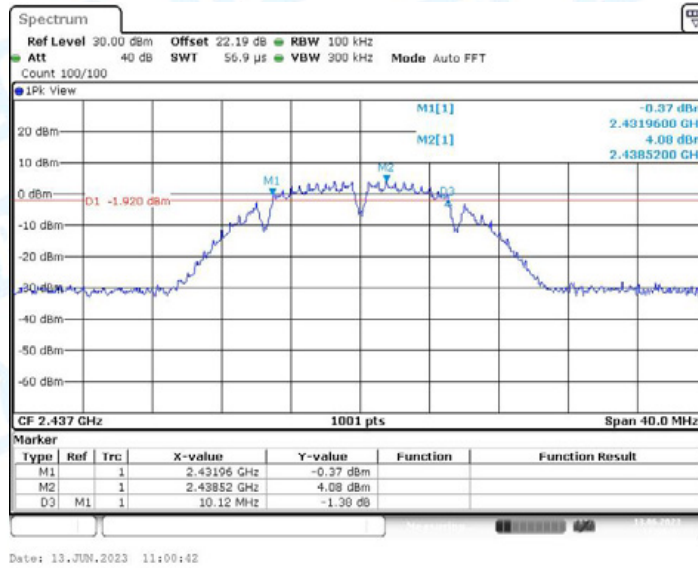
TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B-CDD	Ant1	2412	10.08	2406.96	2417.04	0.5	PASS
	Ant2	2412	10.08	2406.96	2417.04	0.5	PASS
	Ant1	2437	10.08	2431.96	2442.04	0.5	PASS
	Ant2	2437	10.12	2431.96	2442.08	0.5	PASS
	Ant1	2462	10.08	2456.96	2467.04	0.5	PASS
	Ant2	2462	10.08	2456.96	2467.04	0.5	PASS
11G-CDD	Ant1	2412	16.36	2403.84	2420.20	0.5	PASS
	Ant2	2412	16.32	2403.84	2420.16	0.5	PASS
	Ant1	2437	16.36	2428.84	2445.20	0.5	PASS
	Ant2	2437	16.32	2428.84	2445.16	0.5	PASS
	Ant1	2462	16.32	2453.84	2470.16	0.5	PASS
	Ant2	2462	16.00	2453.88	2469.88	0.5	PASS
11N20MIMO	Ant1	2412	17.64	2403.20	2420.84	0.5	PASS
	Ant2	2412	15.44	2404.48	2419.92	0.5	PASS
	Ant1	2437	15.84	2429.56	2445.40	0.5	PASS
	Ant2	2437	17.56	2428.24	2445.80	0.5	PASS
	Ant1	2462	17.60	2453.20	2470.80	0.5	PASS
	Ant2	2462	17.56	2453.24	2470.80	0.5	PASS
11N40MIMO	Ant1	2422	35.20	2404.40	2439.60	0.5	PASS
	Ant2	2422	34.96	2404.56	2439.52	0.5	PASS
	Ant1	2437	35.52	2419.40	2454.92	0.5	PASS
	Ant2	2437	35.04	2419.48	2454.52	0.5	PASS
	Ant1	2452	35.12	2434.48	2469.60	0.5	PASS
	Ant2	2452	32.64	2436.96	2469.60	0.5	PASS

## 1.2. Test Graphs

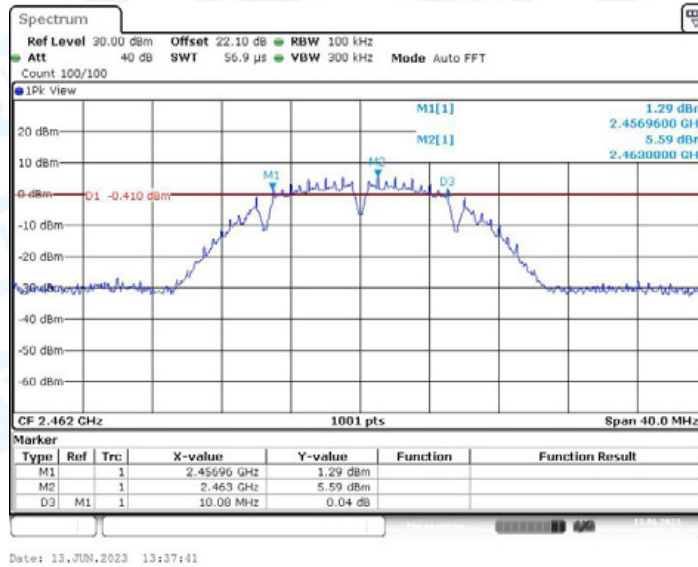




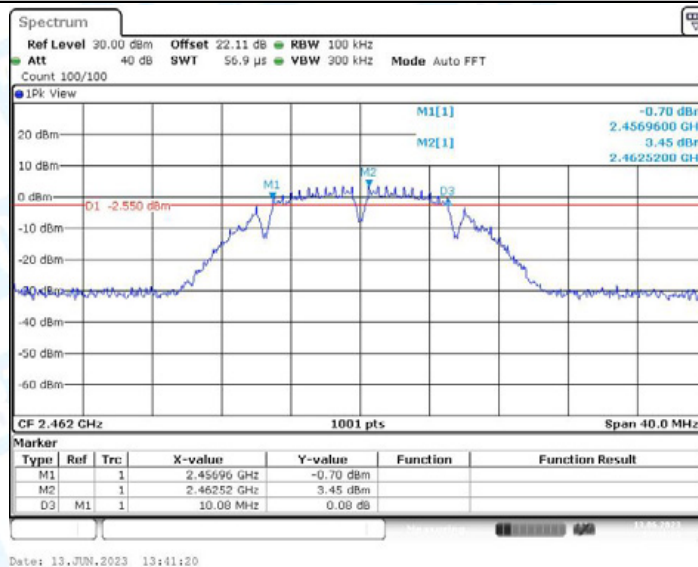
11B-CDD\_Ant2\_2437



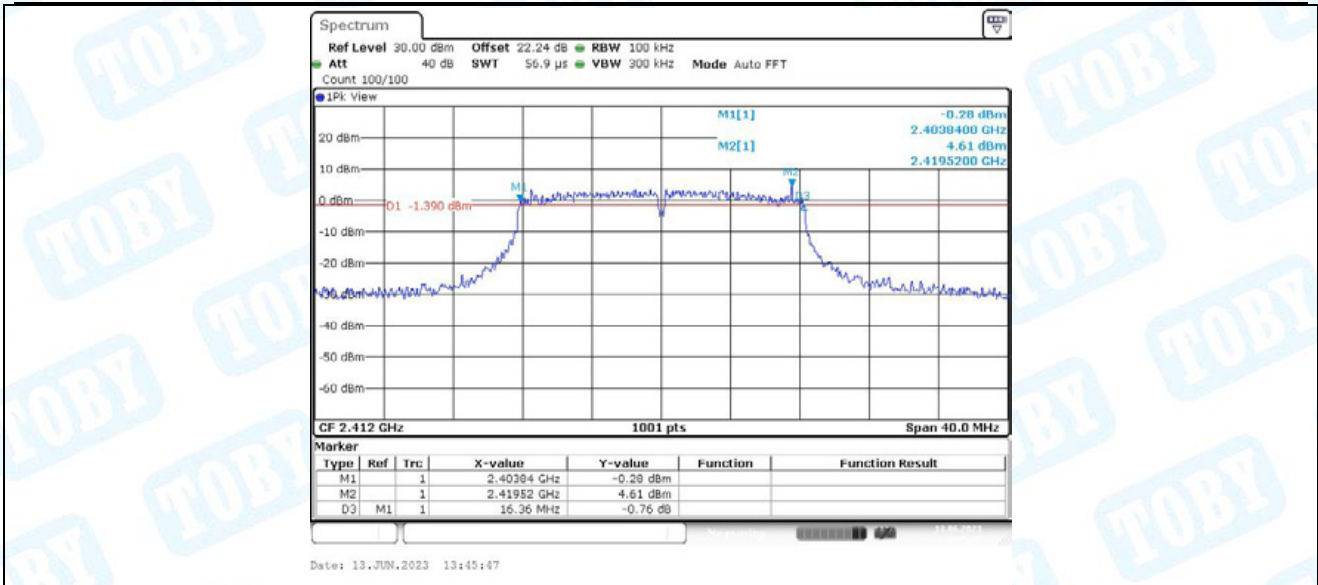
11B-CDD\_Ant1\_2462



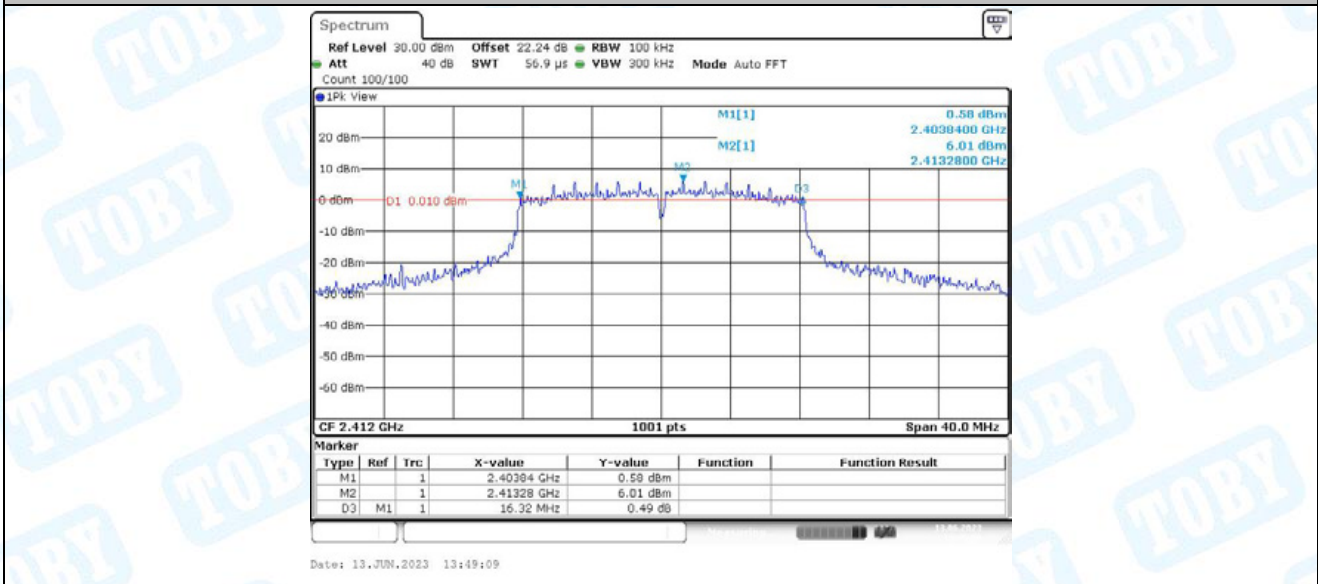
11B-CDD\_Ant2\_2462



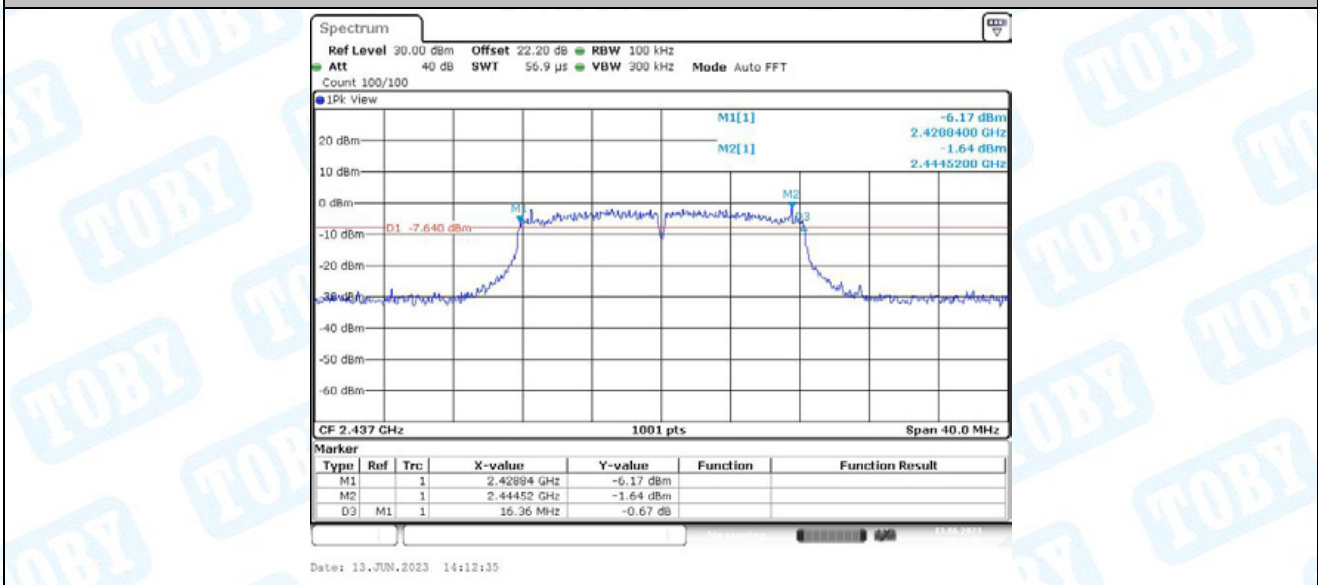
11G-CDD\_Ant1\_2412



11G-CDD\_Ant2\_2412

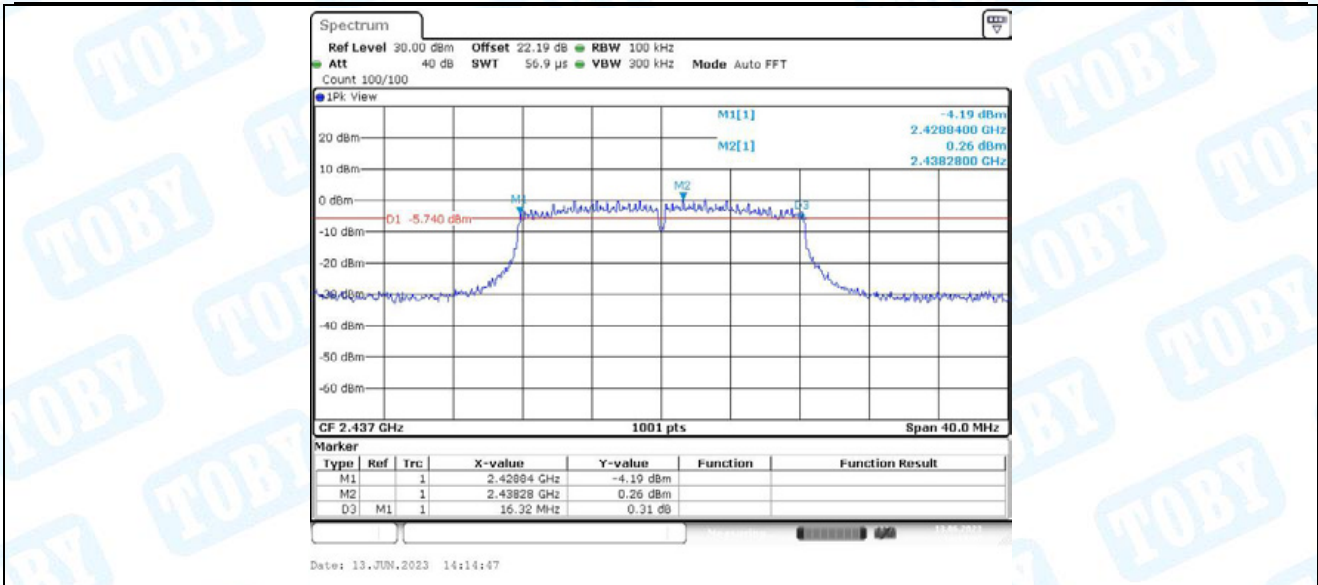


11G-CDD\_Ant1\_2437

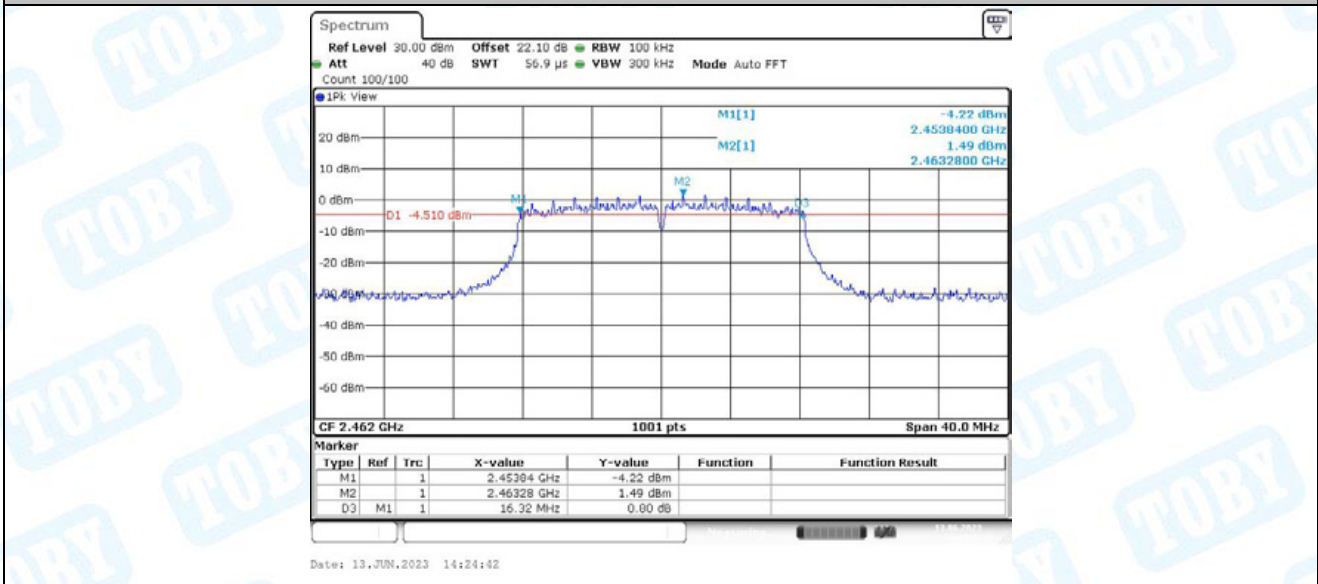


11G-CDD\_Ant2\_2437

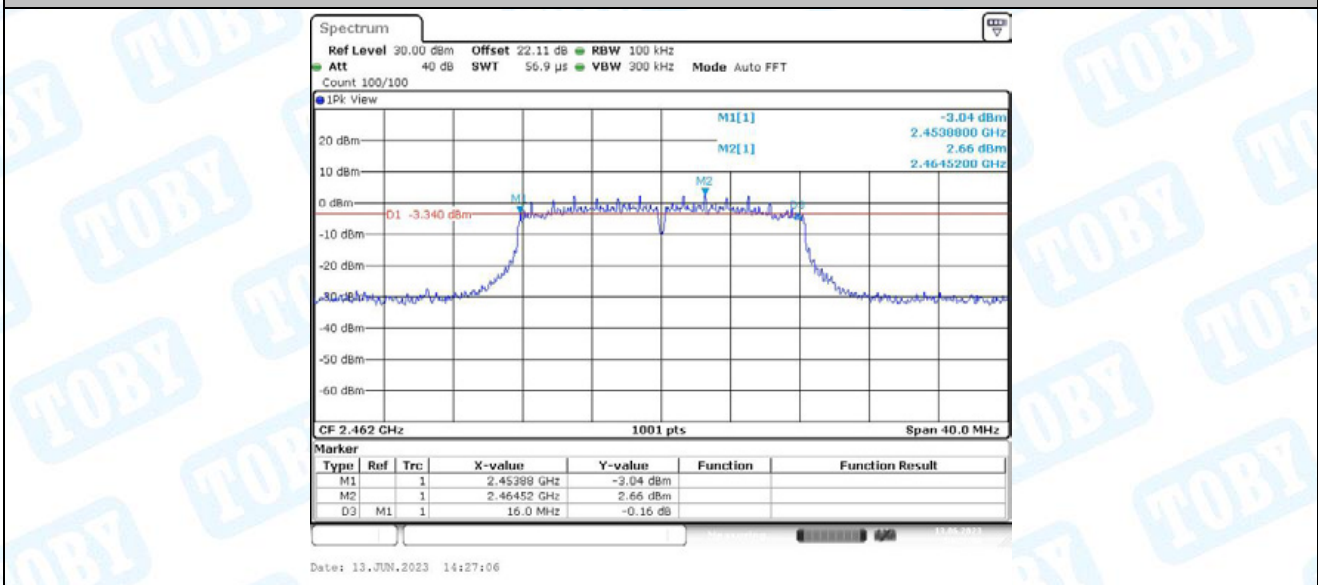




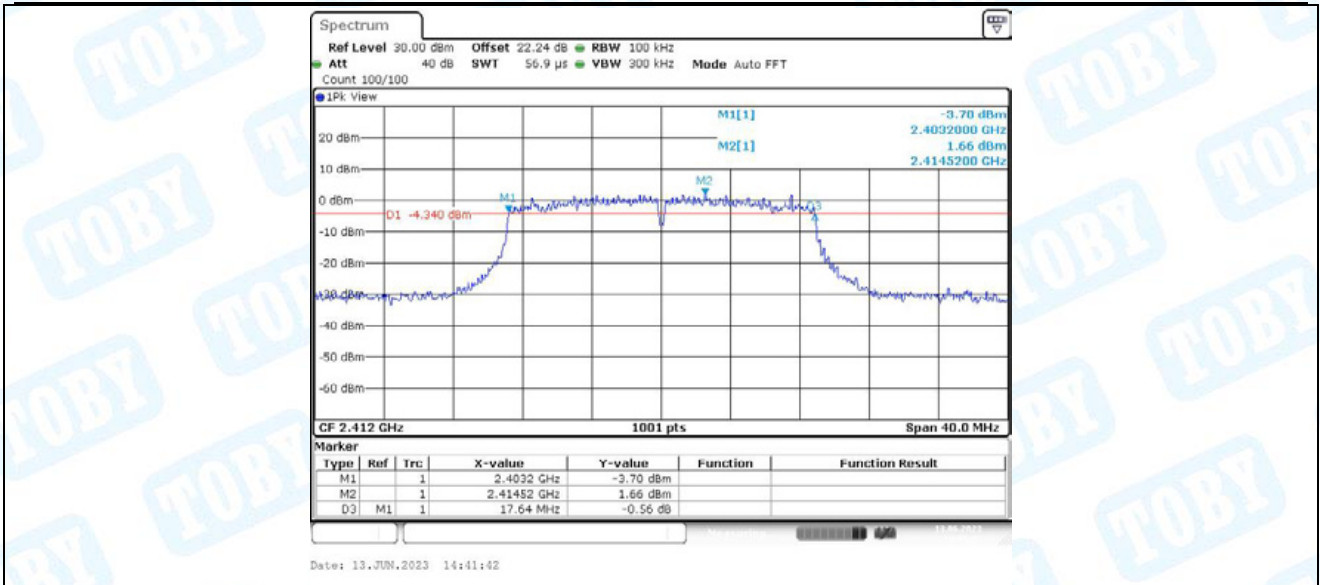
11G-CDD\_Ant1\_2462



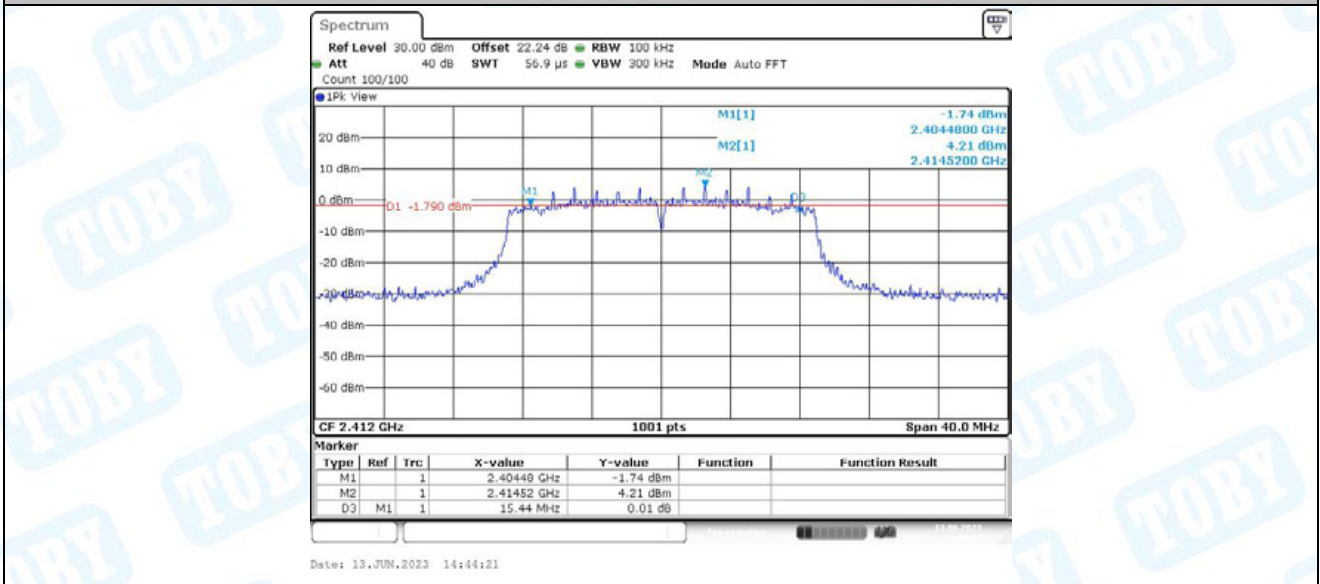
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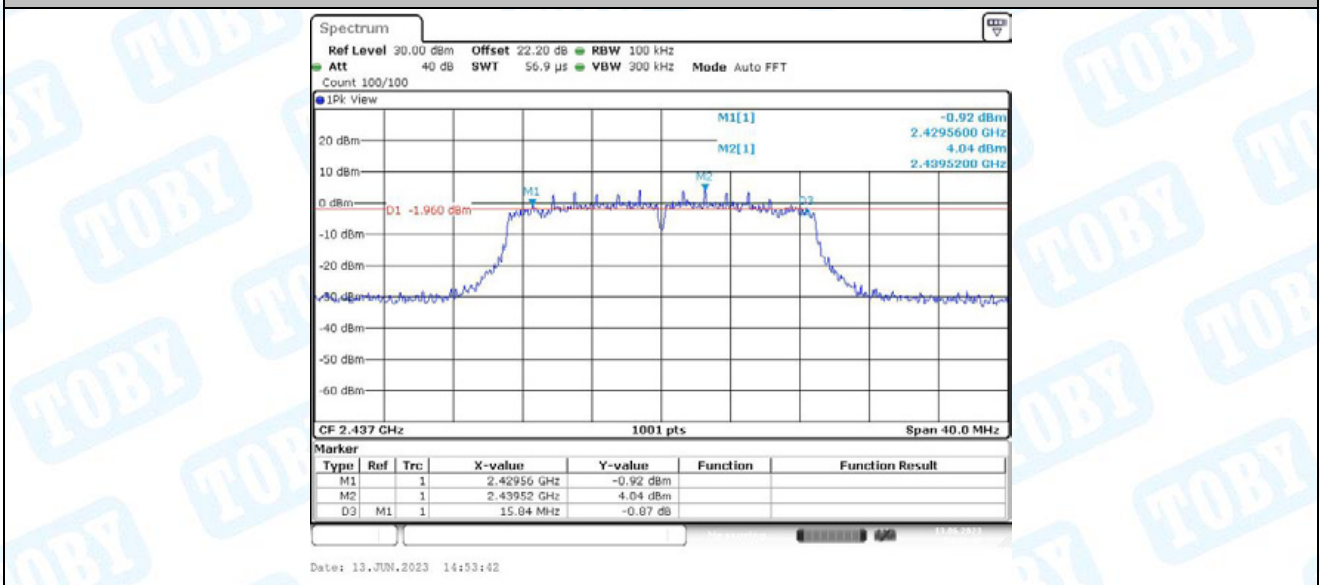
11N20MIMO\_Ant1\_2412



11N20MIMO\_Ant2\_2412

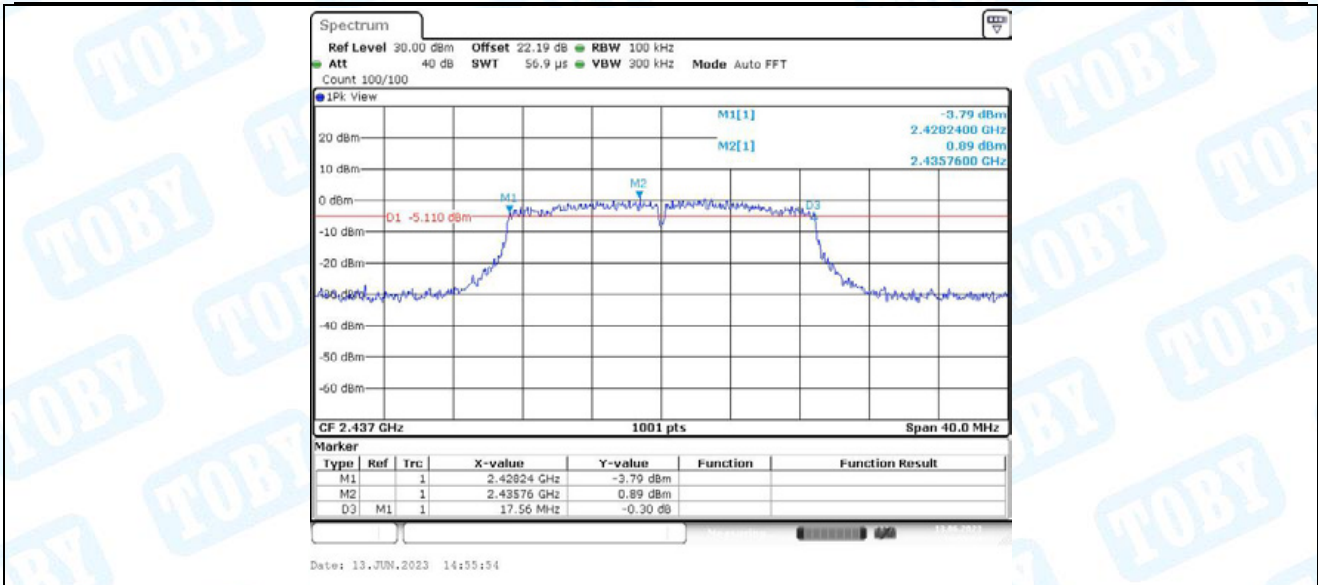


11N20MIMO\_Ant1\_2437

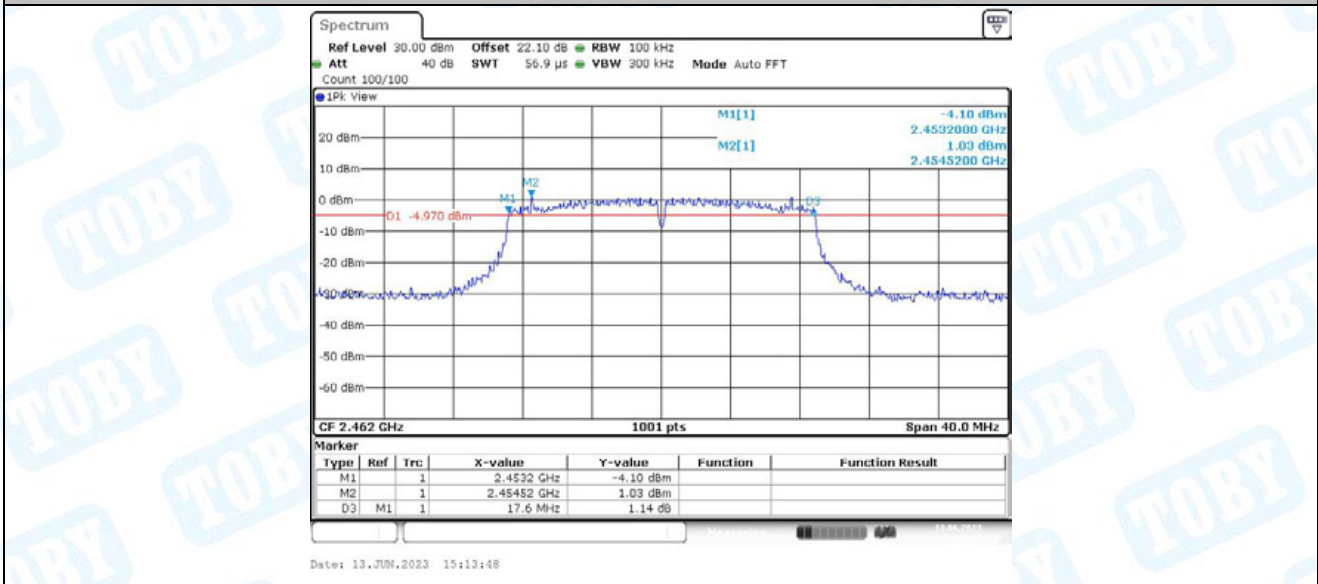


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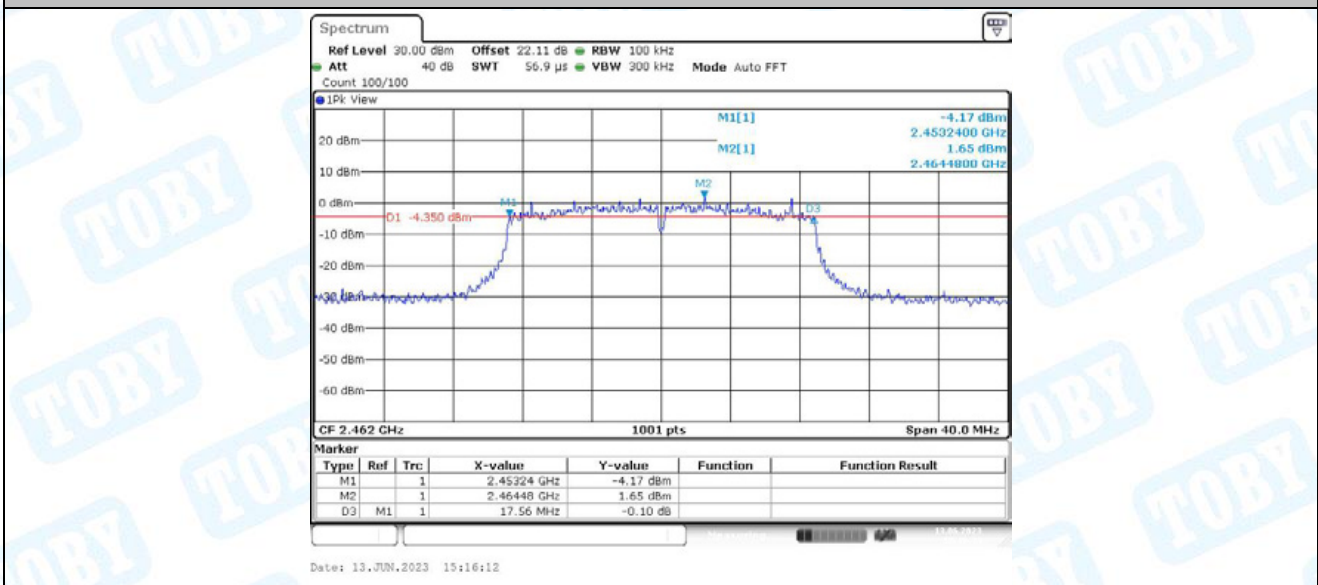




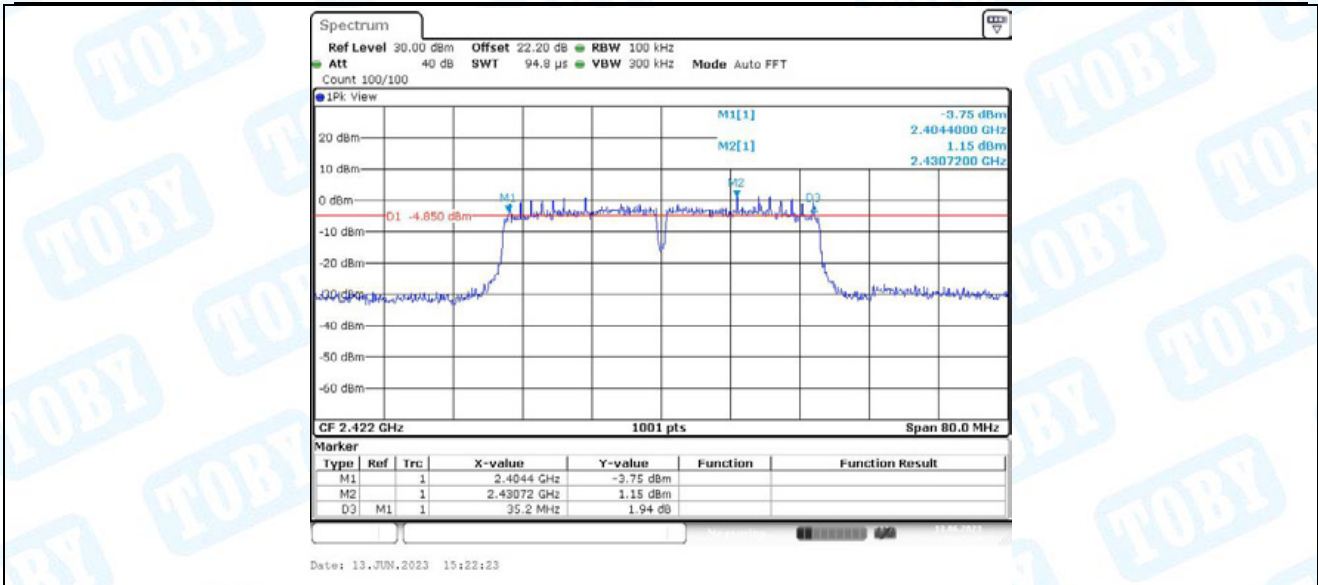
11N20MIMO\_Ant1\_2462



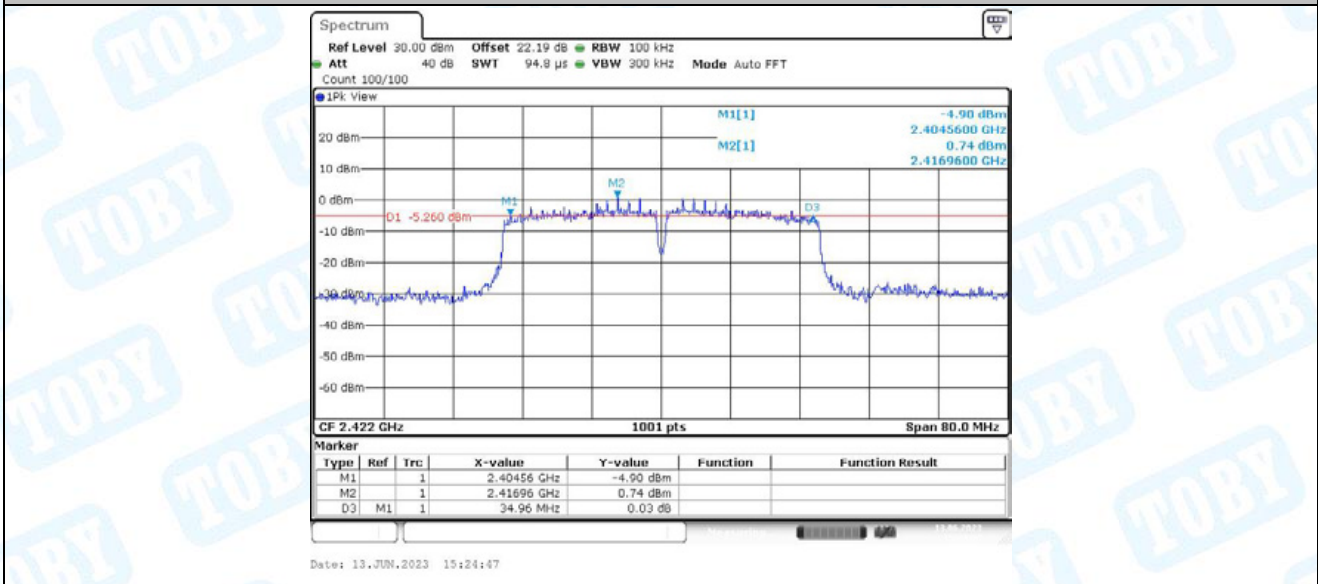
11N20MIMO\_Ant2\_2462



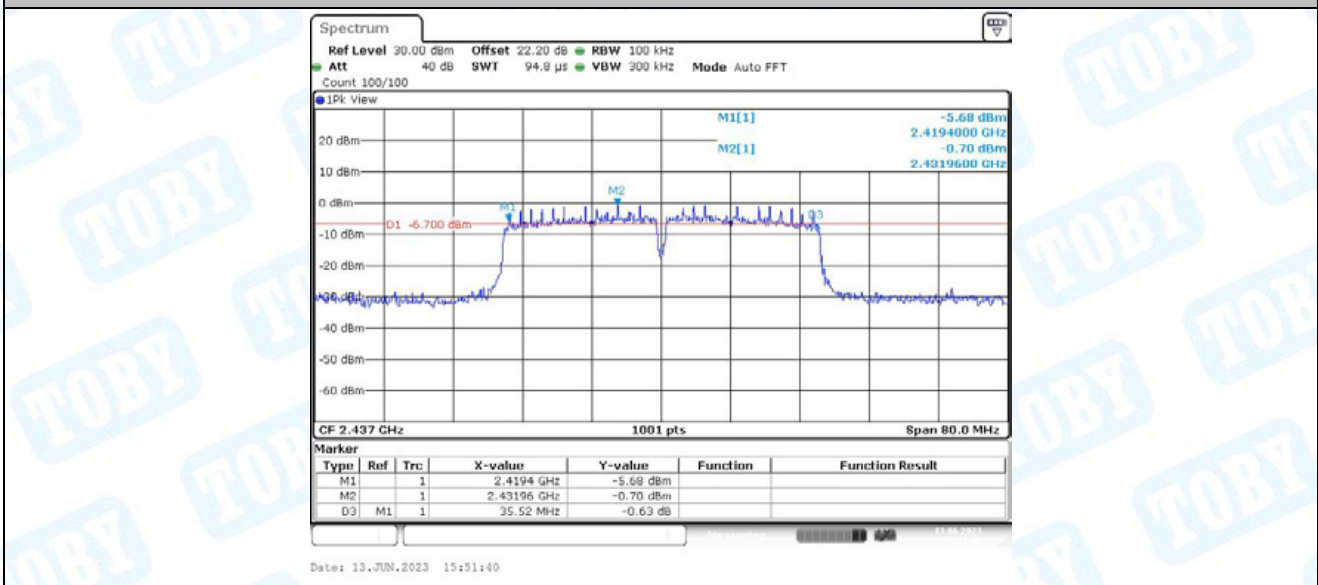
11N40MIMO\_Ant1\_2422



11N40MIMO\_Ant2\_2422

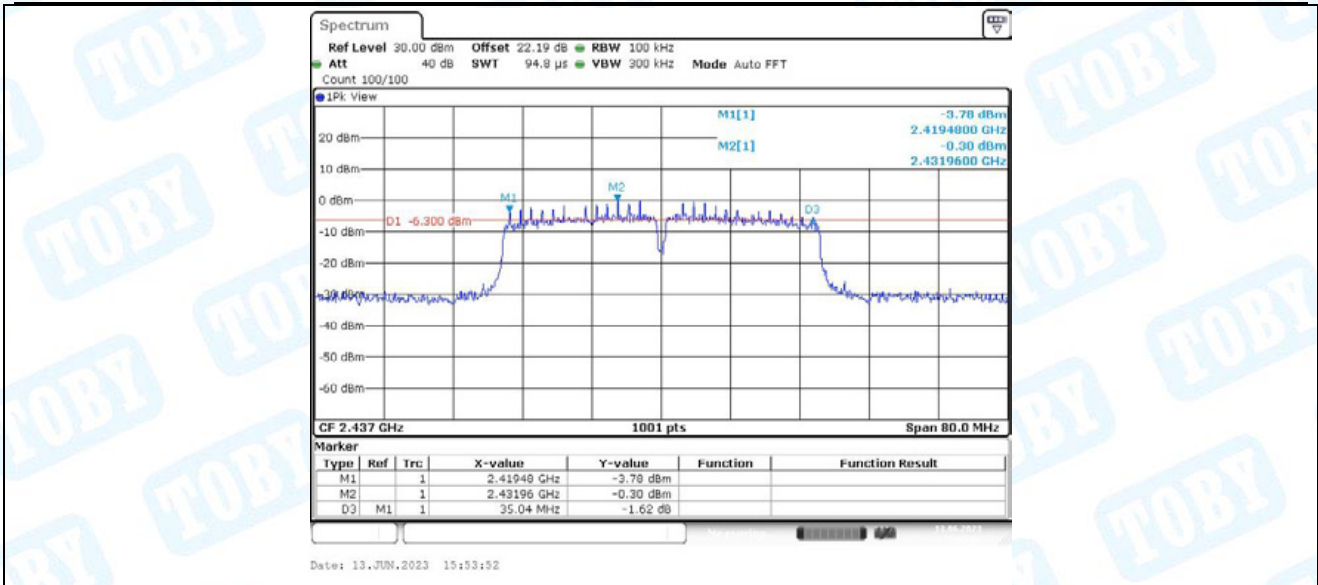


11N40MIMO\_Ant1\_2437

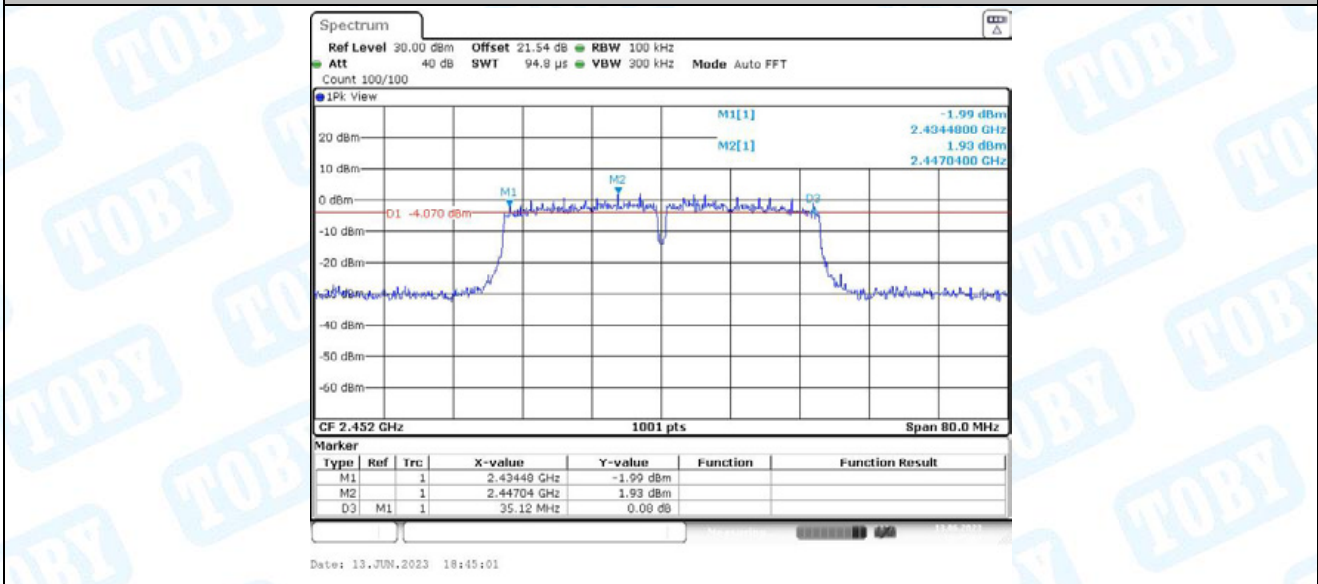


11N40MIMO\_Ant2\_2437

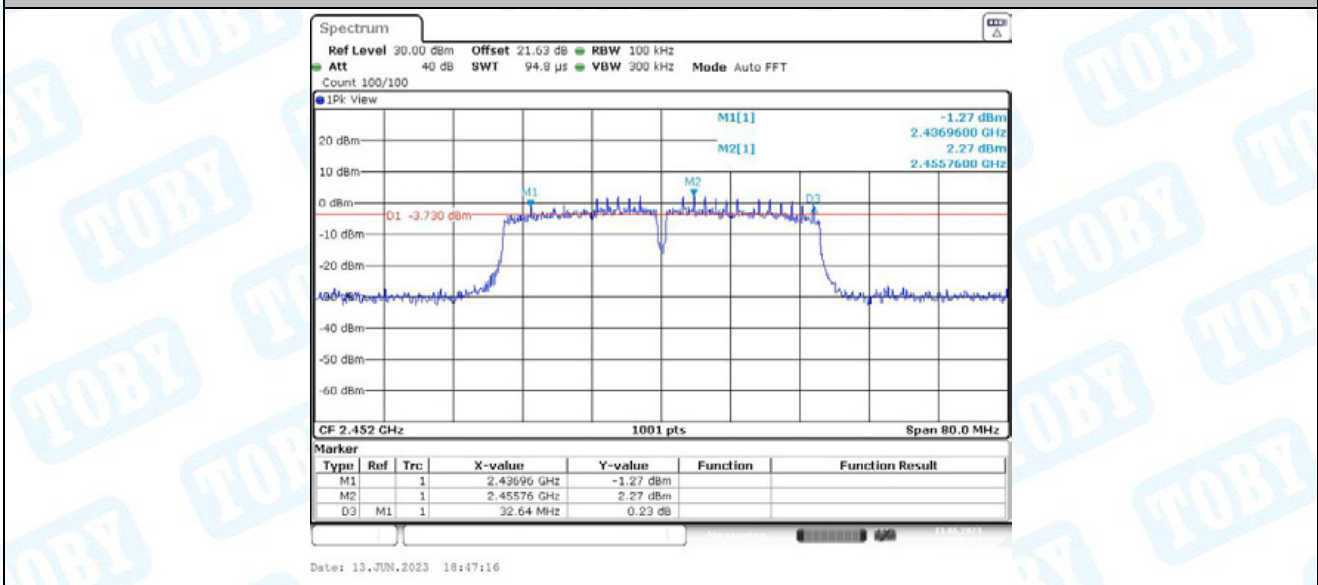




11N40MIMO\_Ant1\_2452



11N40MIMO\_Ant2\_2452



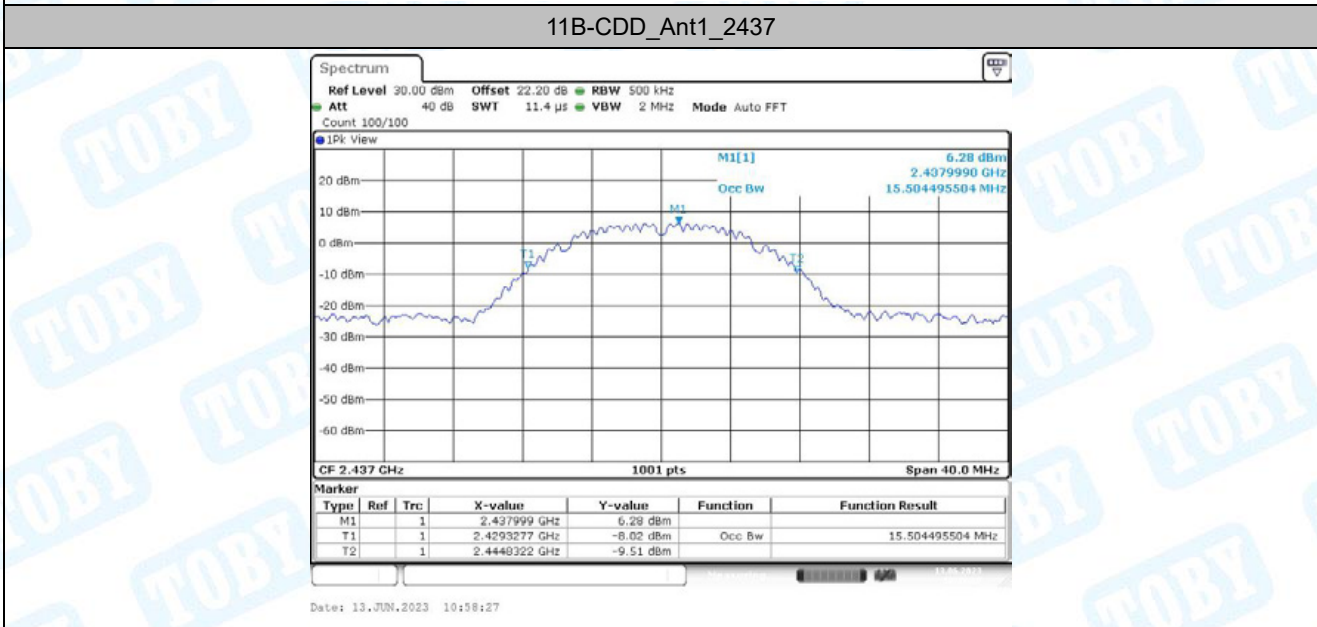
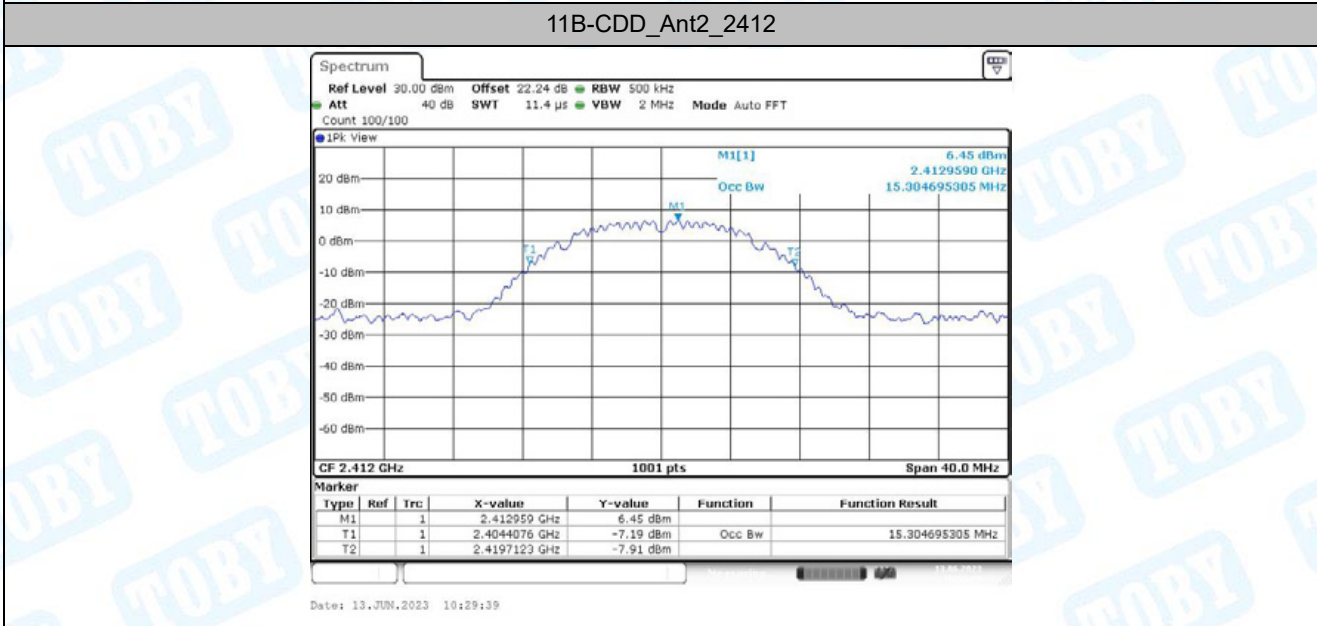
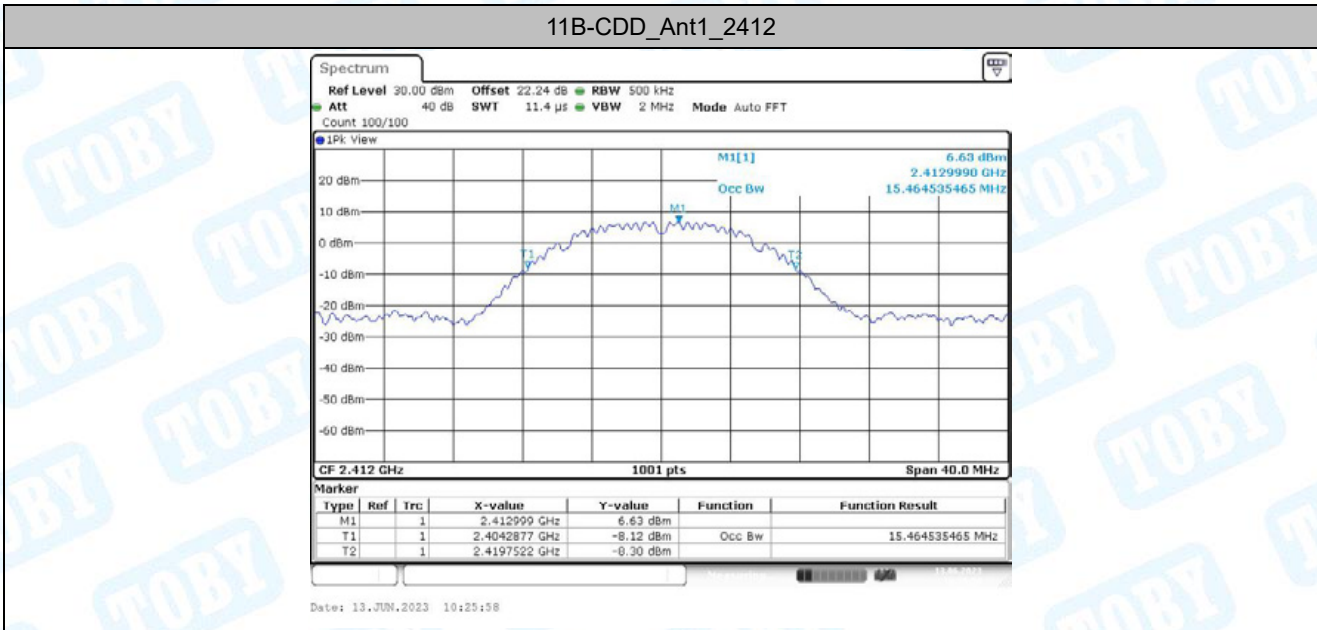
## 2. Occupied Channel Bandwidth

### 2.1. Test Result

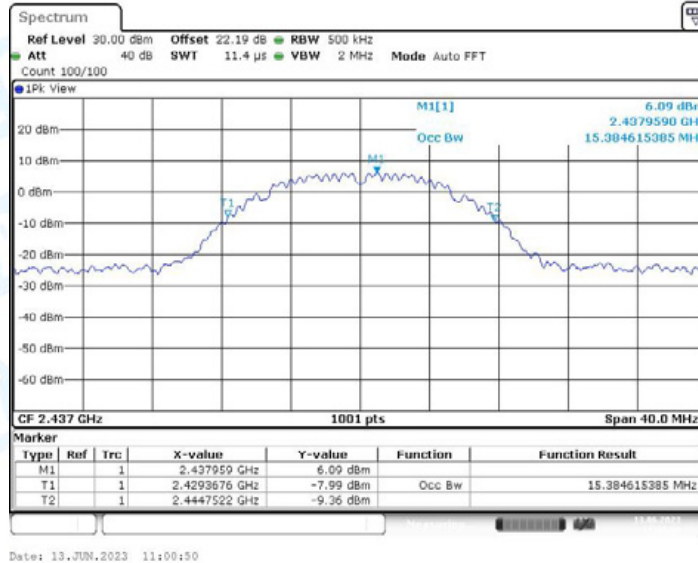
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B-CDD	Ant1	2412	15.465	2404.2877	2419.7522	---	---
	Ant2	2412	15.305	2404.4076	2419.7123	---	---
	Ant1	2437	15.504	2429.3277	2444.8322	---	---
	Ant2	2437	15.385	2429.3676	2444.7522	---	---
	Ant1	2462	15.544	2454.2078	2469.7522	---	---
	Ant2	2462	15.624	2454.2877	2469.9121	---	---
11G-CDD	Ant1	2412	17.023	2403.6084	2420.6314	---	---
	Ant2	2412	16.903	2403.5684	2420.4715	---	---
	Ant1	2437	16.863	2428.6484	2445.5115	---	---
	Ant2	2437	17.063	2428.4486	2445.5115	---	---
	Ant1	2462	17.343	2453.5285	2470.8711	---	---
	Ant2	2462	16.703	2453.6084	2470.3117	---	---
11N20MIMO	Ant1	2412	17.862	2403.0889	2420.9510	---	---
	Ant2	2412	18.102	2403.0889	2421.1908	---	---
	Ant1	2437	18.022	2428.0889	2446.1109	---	---
	Ant2	2437	18.102	2427.8891	2445.9910	---	---
	Ant1	2462	18.022	2452.8891	2470.9111	---	---
	Ant2	2462	17.902	2453.0490	2470.9510	---	---
11N40MIMO	Ant1	2422	36.204	2403.8581	2440.0619	---	---
	Ant2	2422	36.364	2403.8581	2440.2218	---	---
	Ant1	2437	36.284	2418.8581	2455.1419	---	---
	Ant2	2437	36.444	2418.7782	2455.2218	---	---
	Ant1	2452	36.284	2433.9381	2470.2218	---	---
	Ant2	2452	36.284	2433.7782	2470.0619	---	---



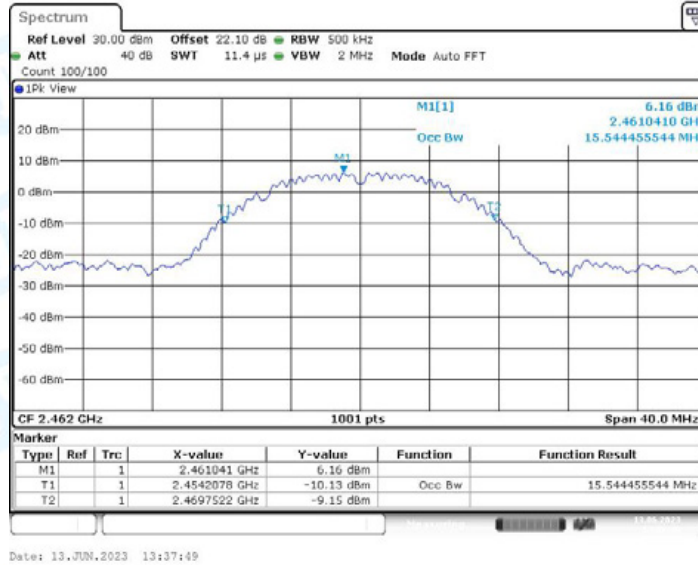
## 2.2. Test Graphs



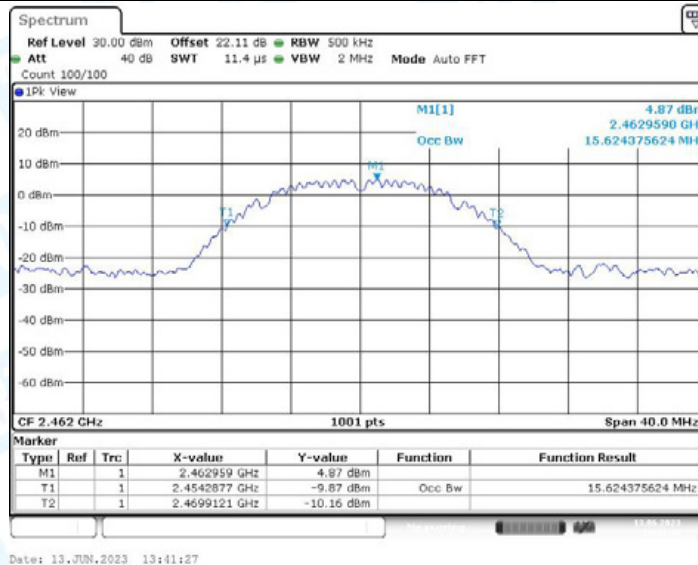
11B-CDD\_Ant2\_2437



11B-CDD\_Ant1\_2462

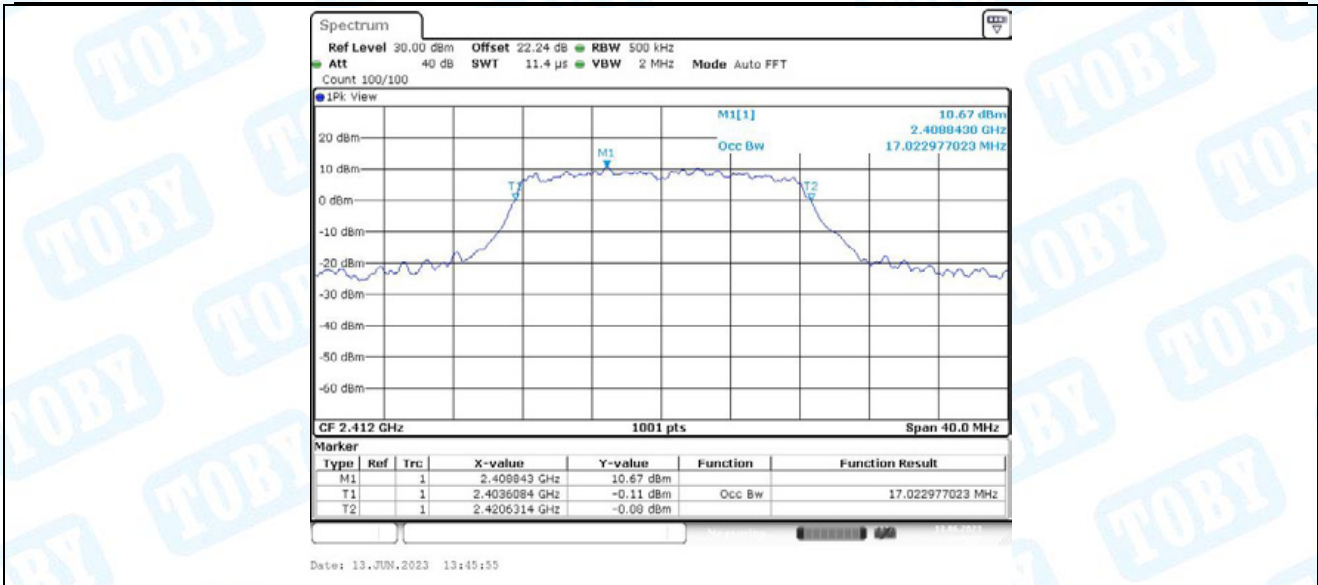


11B-CDD\_Ant2\_2462

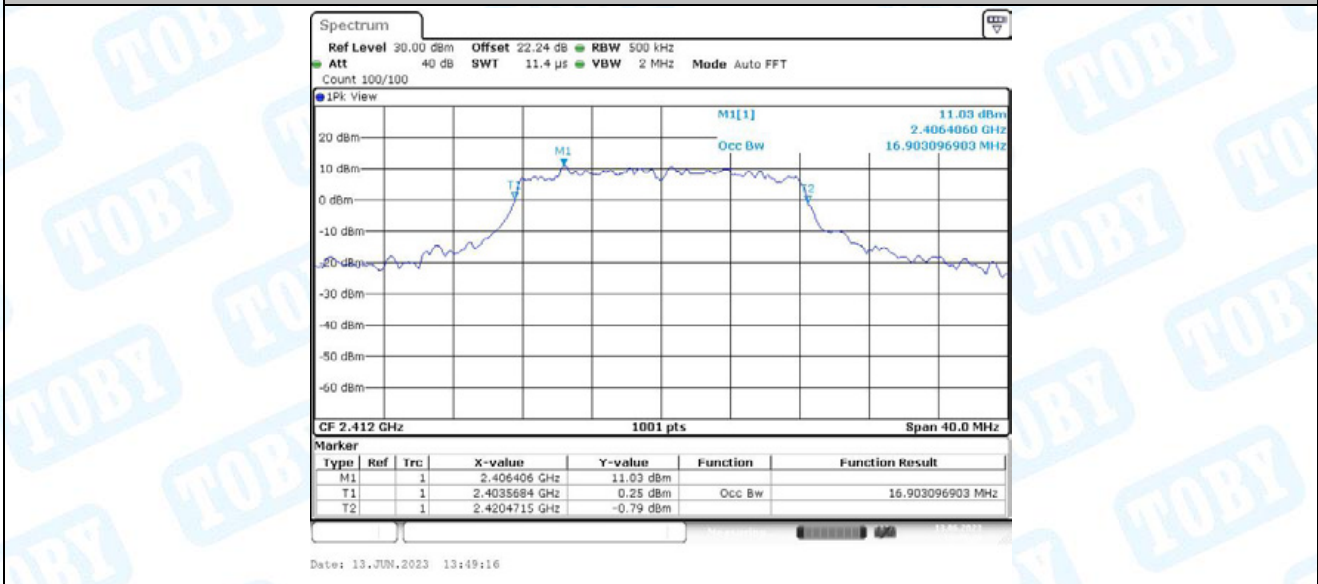


11G-CDD\_Ant1\_2412

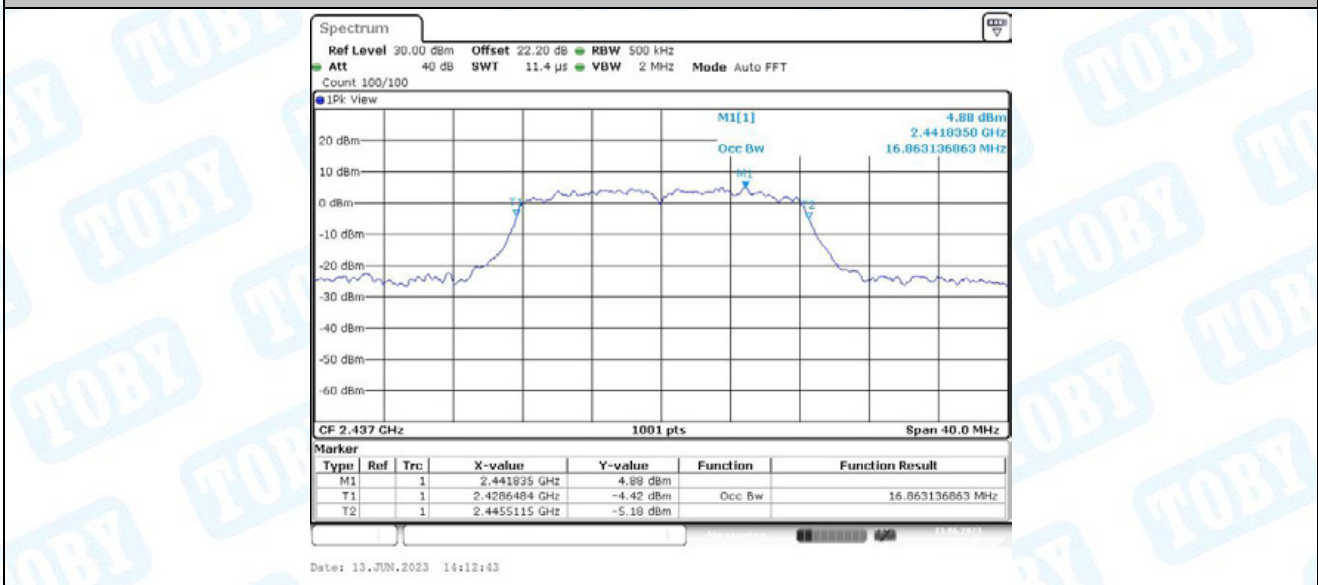




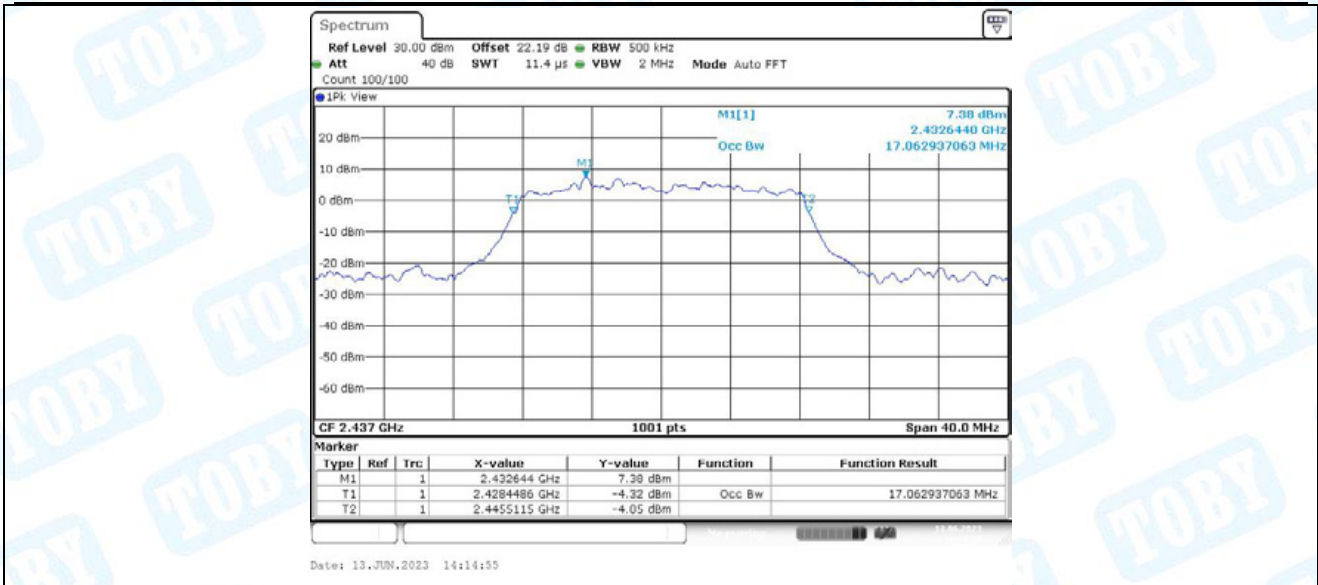
11G-CDD\_Ant2\_2412



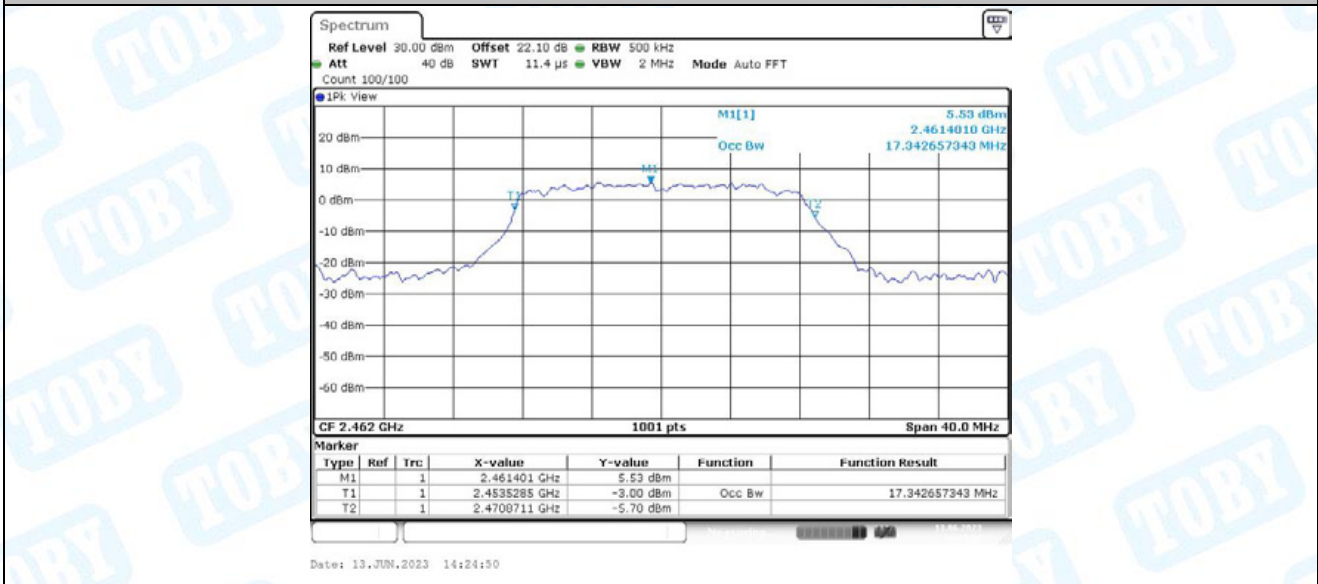
11G-CDD\_Ant1\_2437



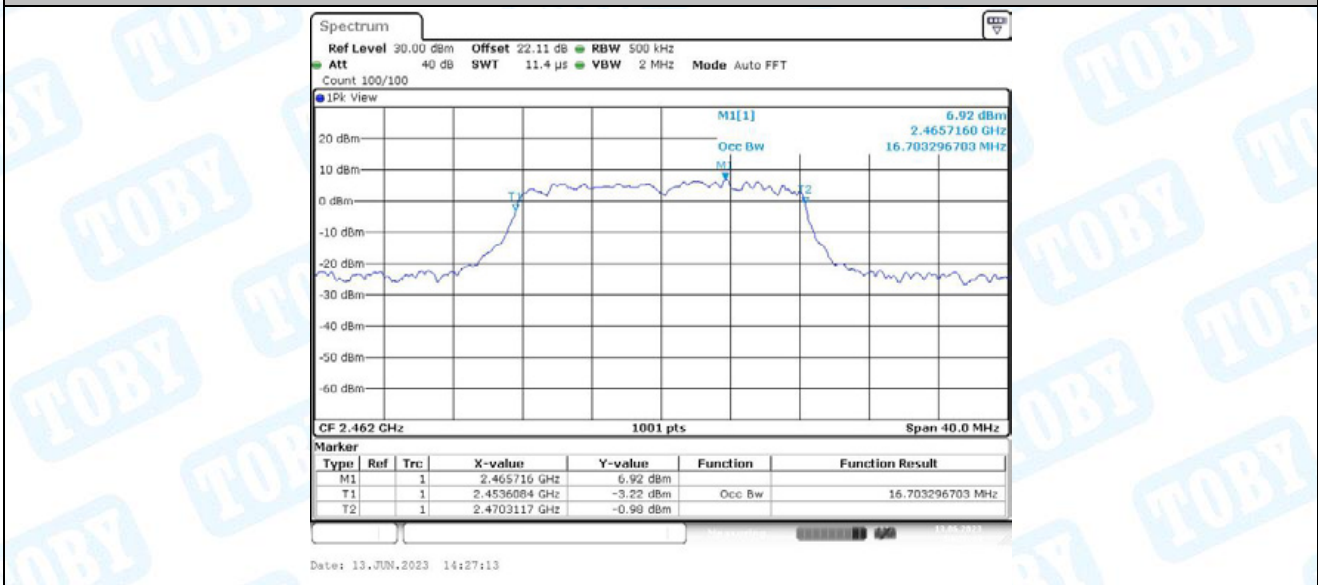
11G-CDD\_Ant2\_2437



11G-CDD\_Ant1\_2462

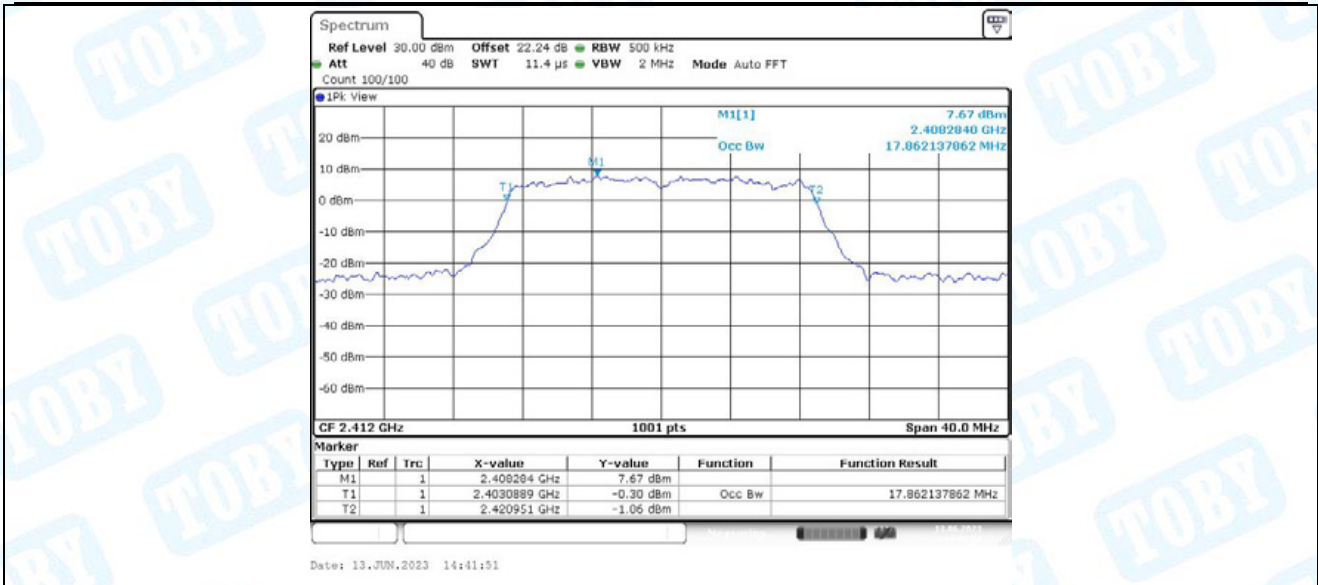


11G-CDD\_Ant2\_2462

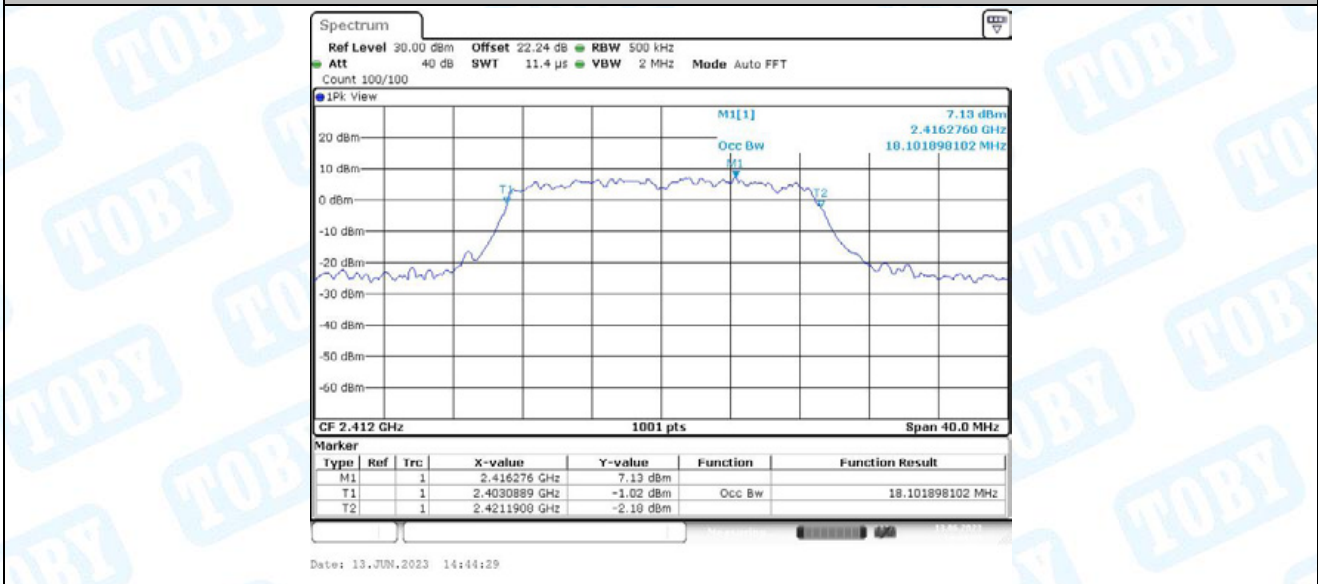


11N20MIMO\_Ant1\_2412

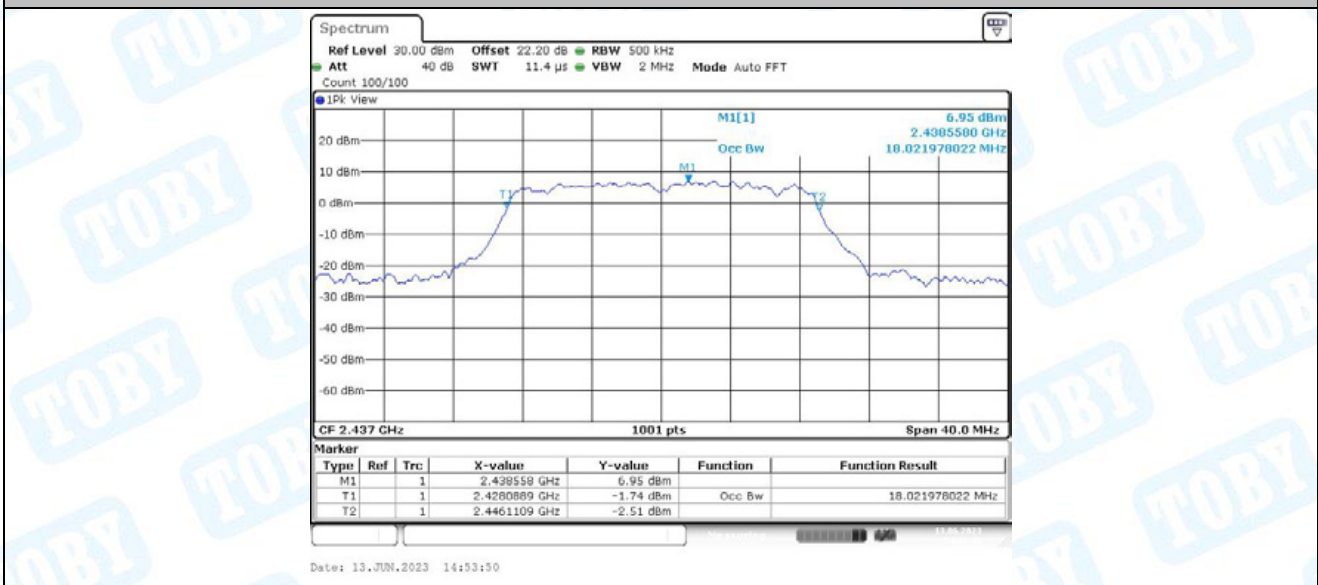




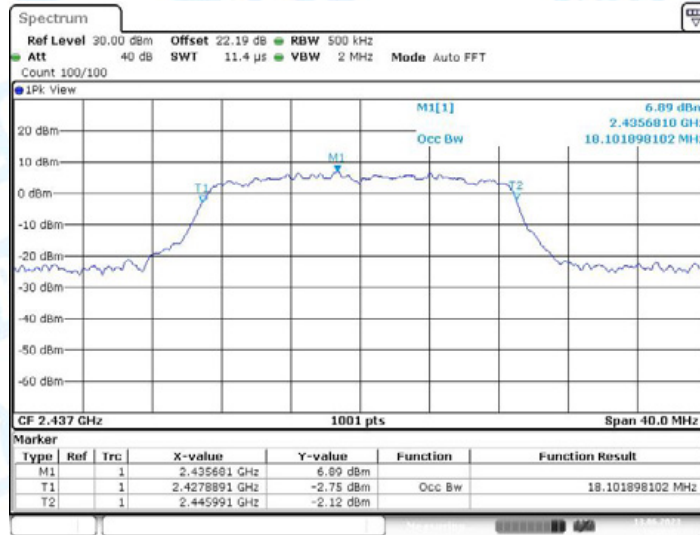
11N20MIMO\_Ant2\_2412



11N20MIMO\_Ant1\_2437

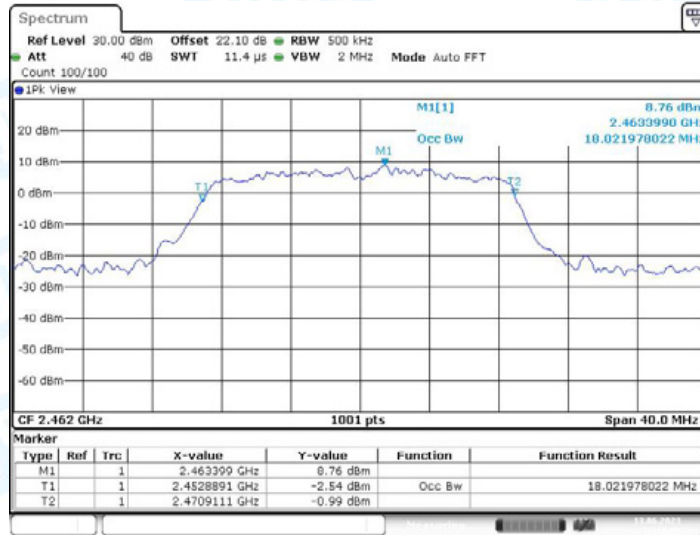


11N20MIMO\_Ant2\_2437



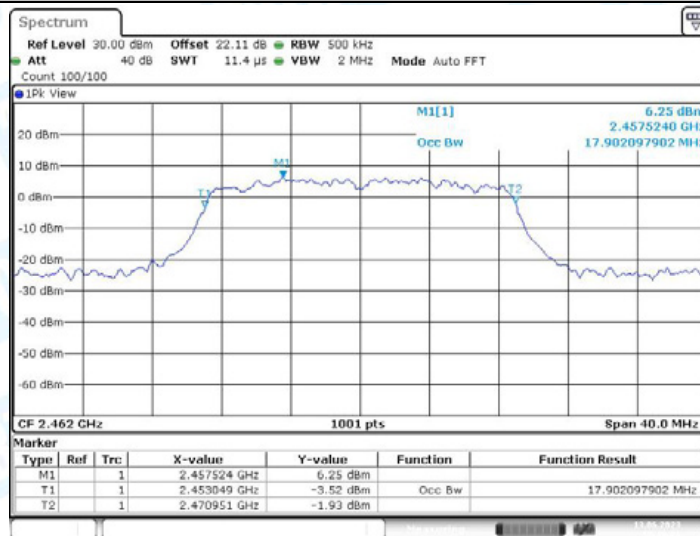
Date: 13 JUN, 2023 14:56:02

11N20MIMO\_Ant1\_2462



Date: 13 JUN, 2023 15:13:55

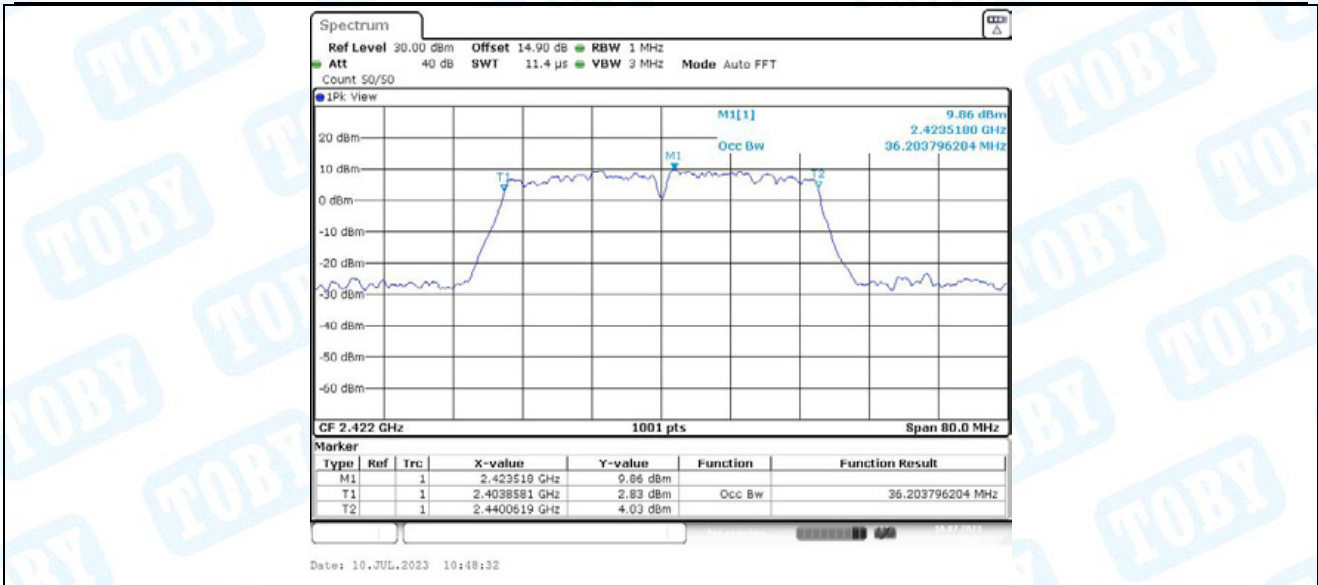
11N20MIMO\_Ant2\_2462



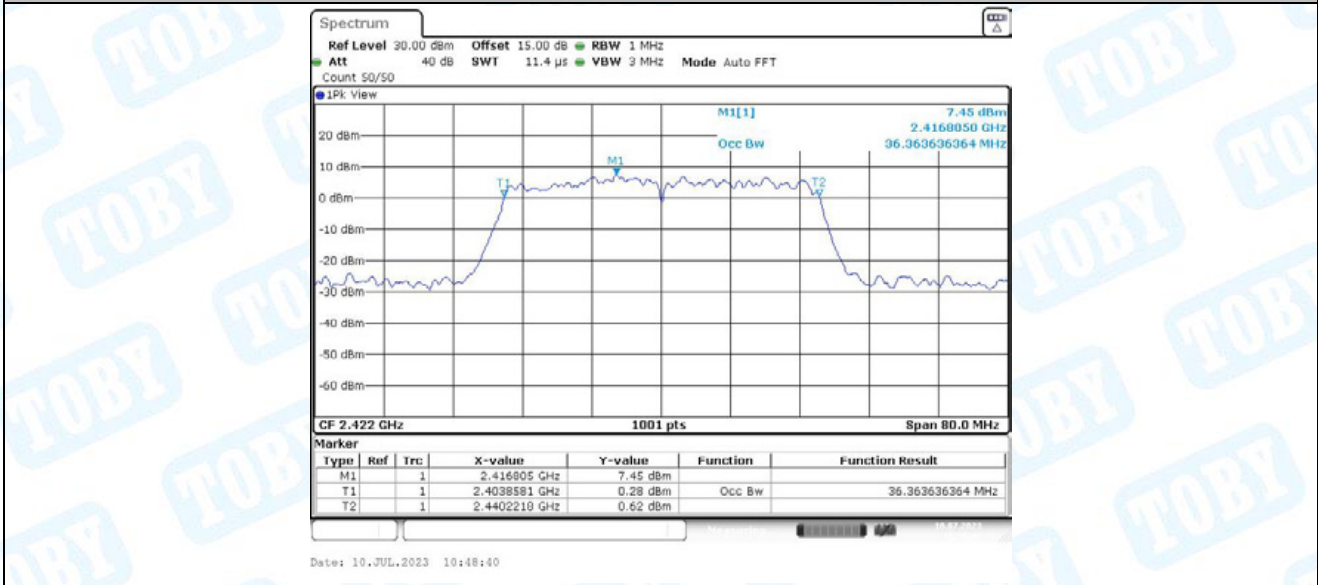
Date: 13 JUN, 2023 15:16:20

11N40MIMO\_Ant1\_2422

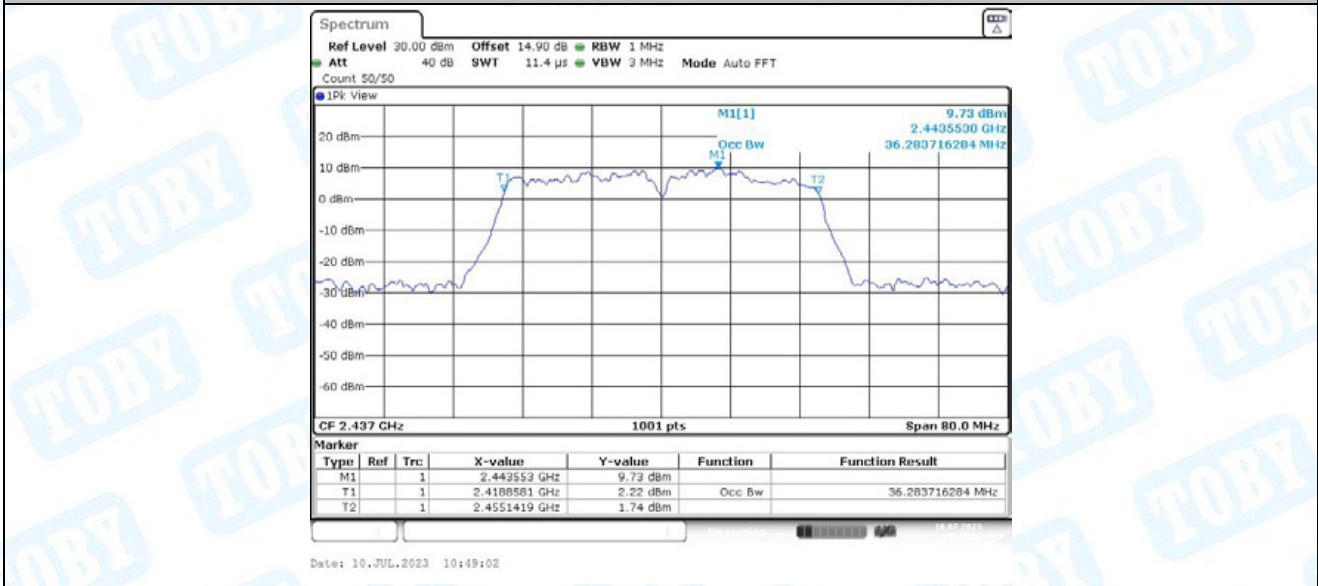




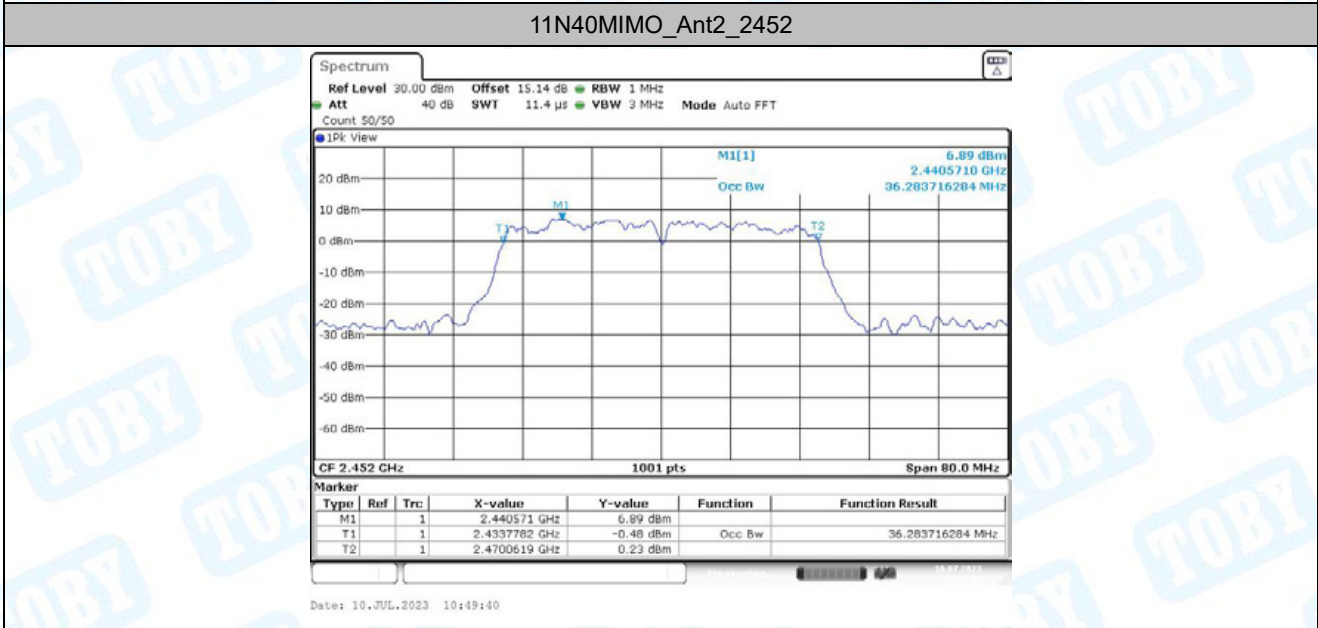
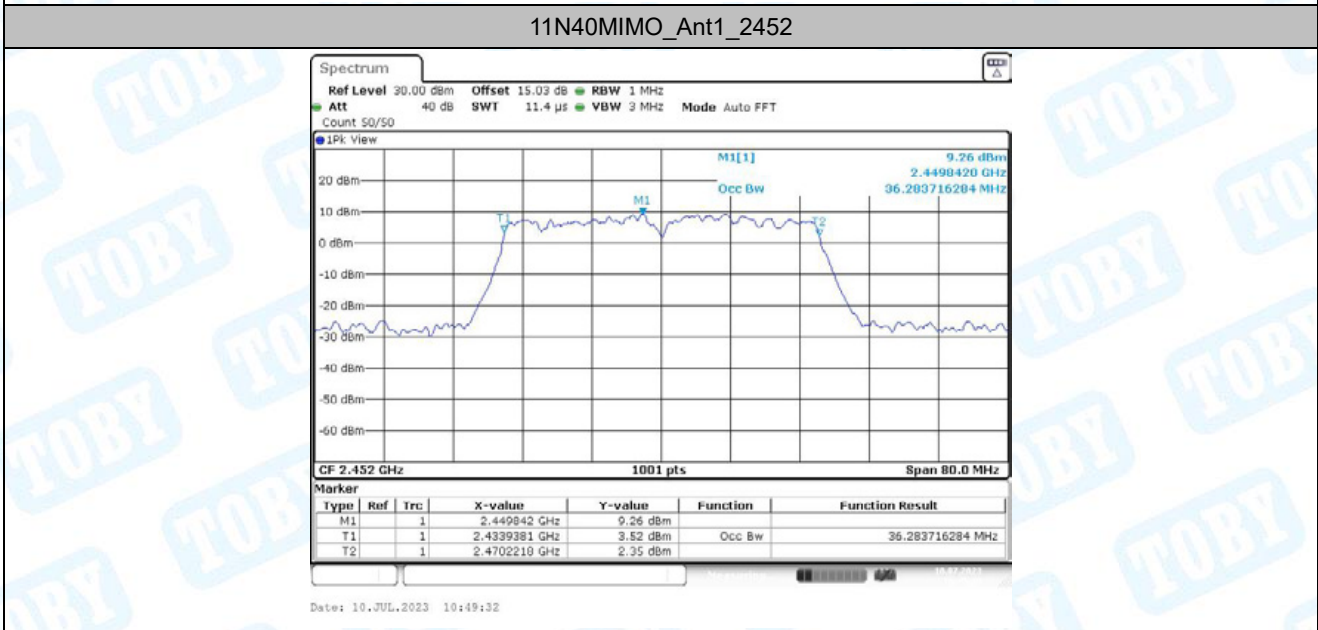
11N40MIMO\_Ant2\_2422



11N40MIMO\_Ant1\_2437



11N40MIMO\_Ant2\_2437





### 3. Maximum conducted output power

#### 3.1. Test Result

TestMode	Antenna	Channel	Power [dBm]	Limit [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
11B-CDD	Ant1	2412	17.51	≤30.00	19.55	≤36.00	PASS
	Ant2	2412	17.49	≤30.00	19.52	≤36.00	PASS
	total	2412	20.51	≤30.00	22.55	≤36.00	PASS
	Ant1	2437	17.33	≤30.00	19.37	≤36.00	PASS
	Ant2	2437	17.43	≤30.00	19.46	≤36.00	PASS
	total	2437	20.39	≤30.00	22.43	≤36.00	PASS
	Ant1	2462	17.29	≤30.00	19.33	≤36.00	PASS
	Ant2	2462	16.12	≤30.00	18.15	≤36.00	PASS
	total	2462	19.75	≤30.00	21.79	≤36.00	PASS
11G-CDD	Ant1	2412	16.56	≤30.00	18.60	≤36.00	PASS
	Ant2	2412	17.55	≤30.00	19.58	≤36.00	PASS
	total	2412	20.09	≤30.00	22.13	≤36.00	PASS
	Ant1	2437	17.55	≤30.00	19.59	≤36.00	PASS
	Ant2	2437	17.19	≤30.00	19.22	≤36.00	PASS
	total	2437	20.38	≤30.00	22.42	≤36.00	PASS
	Ant1	2462	17.74	≤30.00	19.78	≤36.00	PASS
	Ant2	2462	16.71	≤30.00	18.74	≤36.00	PASS
	total	2462	20.27	≤30.00	22.30	≤36.00	PASS
11N20MIMO	Ant1	2412	18.06	≤30.00	20.10	≤36.00	PASS
	Ant2	2412	17.18	≤30.00	19.21	≤36.00	PASS
	total	2412	20.65	≤30.00	22.69	≤36.00	PASS
	Ant1	2437	17.86	≤30.00	19.90	≤36.00	PASS
	Ant2	2437	17.39	≤30.00	19.42	≤36.00	PASS
	total	2437	20.64	≤30.00	22.68	≤36.00	PASS
	Ant1	2462	18.03	≤30.00	20.07	≤36.00	PASS
	Ant2	2462	17.04	≤30.00	19.07	≤36.00	PASS
	total	2462	20.57	≤30.00	22.61	≤36.00	PASS
11N40MIMO	Ant1	2422	17.68	≤30.00	19.72	≤36.00	PASS
	Ant2	2422	17.30	≤30.00	19.33	≤36.00	PASS
	total	2422	20.50	≤30.00	22.54	≤36.00	PASS
	Ant1	2437	16.55	≤30.00	18.59	≤36.00	PASS
	Ant2	2437	16.82	≤30.00	18.85	≤36.00	PASS
	total	2437	19.70	≤30.00	21.73	≤36.00	PASS
	Ant1	2452	17.34	≤30.00	19.38	≤36.00	PASS
	Ant2	2452	16.54	≤30.00	18.57	≤36.00	PASS
	total	2452	19.97	≤30.00	22.00	≤36.00	PASS



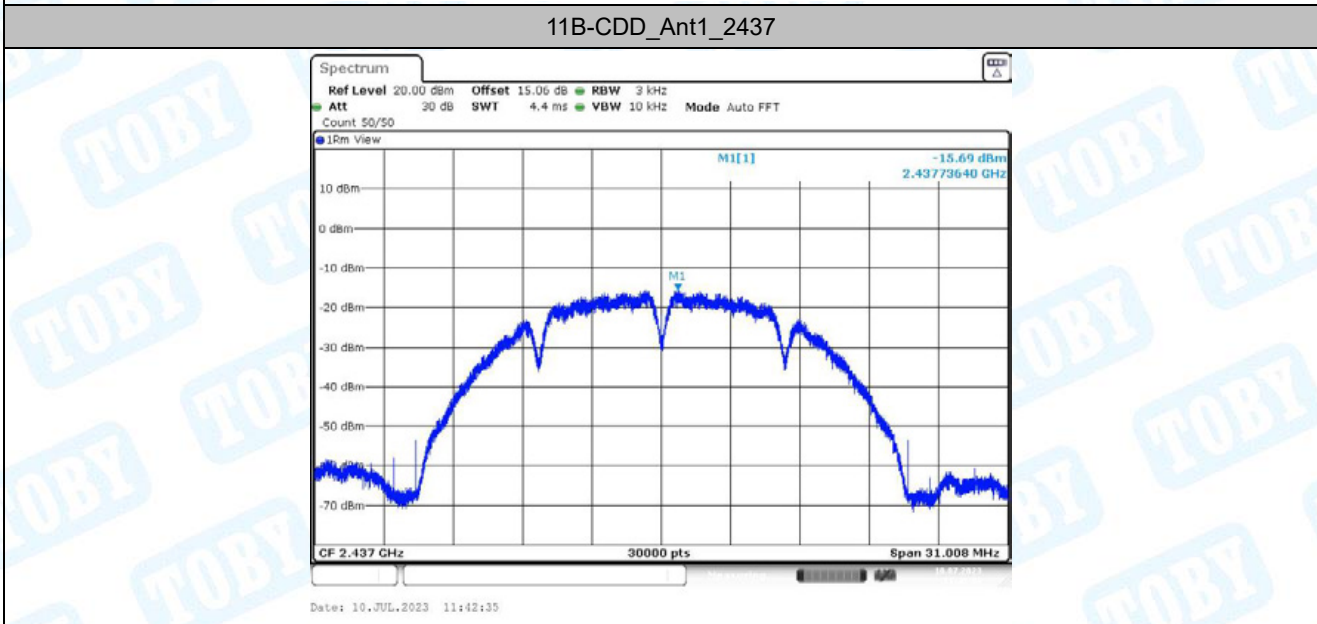
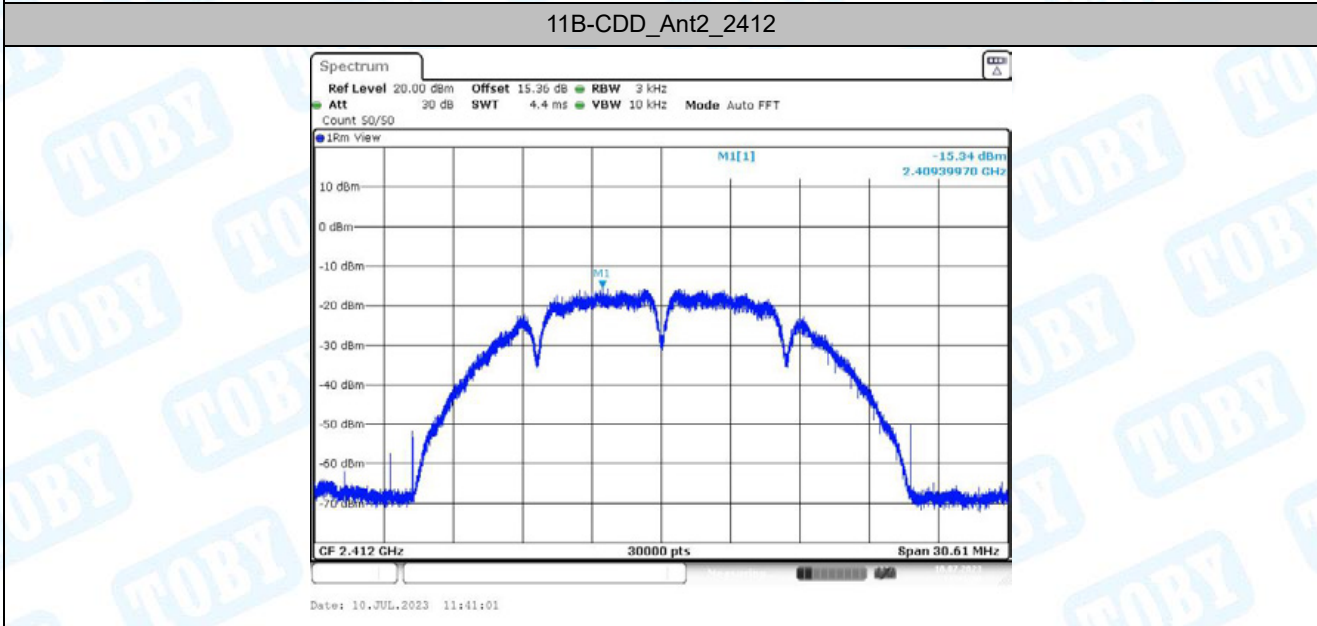
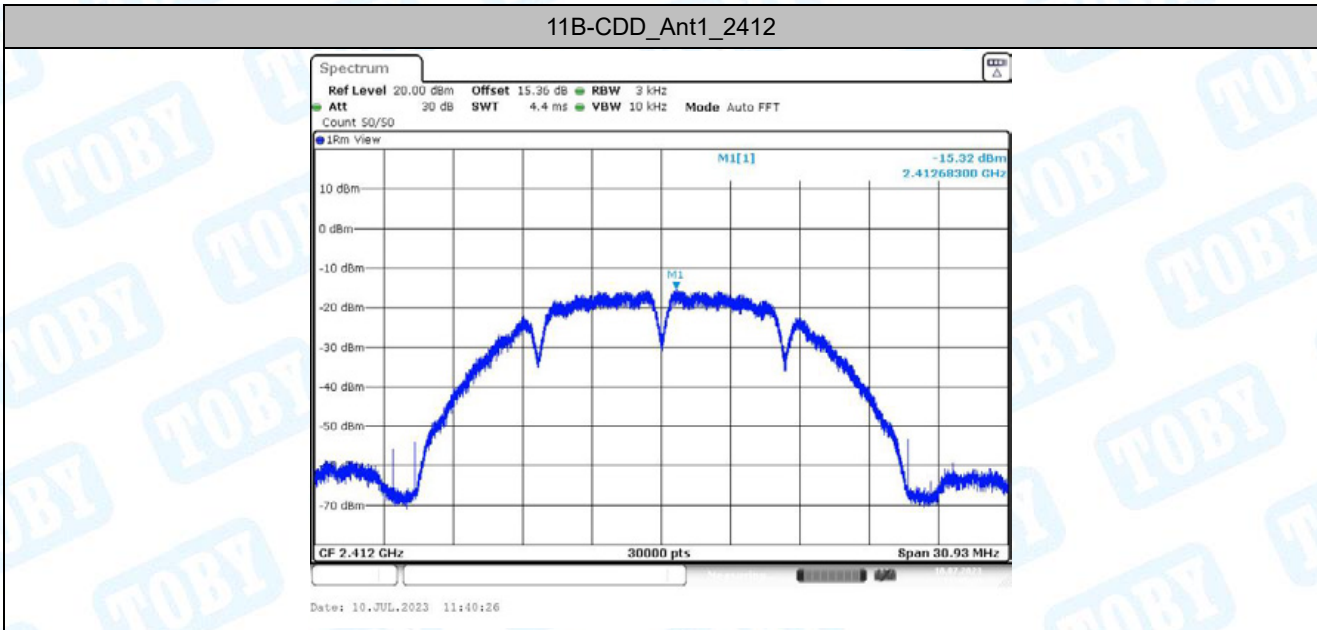
## 4. Maximum power spectral density

### 4.1. Test Result

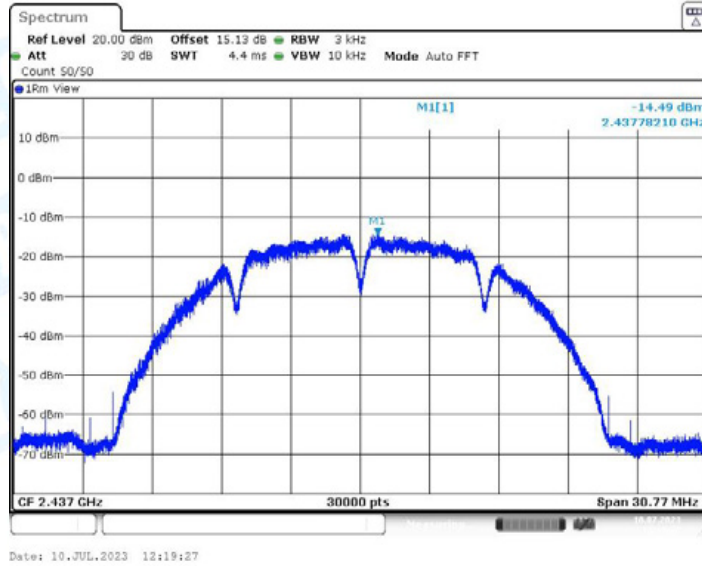
TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B-CDD	Ant1	2412	-15.32	≤8.00	PASS
	Ant2	2412	-15.34	≤8.00	PASS
	total	2412	-12.32	≤8.00	PASS
	Ant1	2437	-15.69	≤8.00	PASS
	Ant2	2437	-14.49	≤8.00	PASS
	total	2437	-12.04	≤8.00	PASS
	Ant1	2462	-14.59	≤8.00	PASS
	Ant2	2462	-15.15	≤8.00	PASS
	total	2462	-11.85	≤8.00	PASS
11G-CDD	Ant1	2412	-14.23	≤8.00	PASS
	Ant2	2412	-13.67	≤8.00	PASS
	total	2412	-10.93	≤8.00	PASS
	Ant1	2437	-14.38	≤8.00	PASS
	Ant2	2437	-14.42	≤8.00	PASS
	total	2437	-11.39	≤8.00	PASS
	Ant1	2462	-13.61	≤8.00	PASS
	Ant2	2462	-14.52	≤8.00	PASS
	total	2462	-11.03	≤8.00	PASS
11N20MIMO	Ant1	2412	-12.36	≤8.00	PASS
	Ant2	2412	-14.13	≤8.00	PASS
	total	2412	-10.15	≤8.00	PASS
	Ant1	2437	-14.7	≤8.00	PASS
	Ant2	2437	-14.75	≤8.00	PASS
	total	2437	-11.71	≤8.00	PASS
	Ant1	2462	-15.08	≤8.00	PASS
	Ant2	2462	-14.06	≤8.00	PASS
	total	2462	-11.53	≤8.00	PASS
11N40MIMO	Ant1	2422	-16.94	≤8.00	PASS
	Ant2	2422	-17.41	≤8.00	PASS
	total	2422	-14.16	≤8.00	PASS
	Ant1	2437	-17.19	≤8.00	PASS
	Ant2	2437	-17.61	≤8.00	PASS
	total	2437	-14.38	≤8.00	PASS
	Ant1	2452	-17.3	≤8.00	PASS
	Ant2	2452	-17.56	≤8.00	PASS
	total	2452	-14.42	≤8.00	PASS



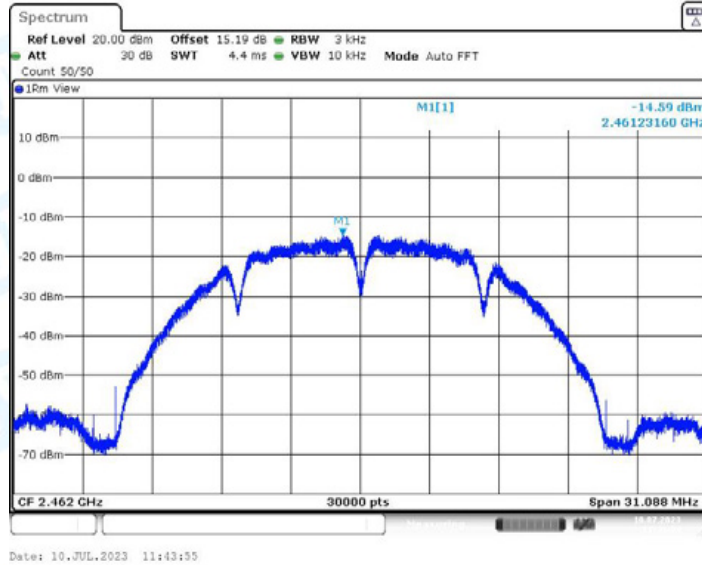
## 4.2. Test Graphs



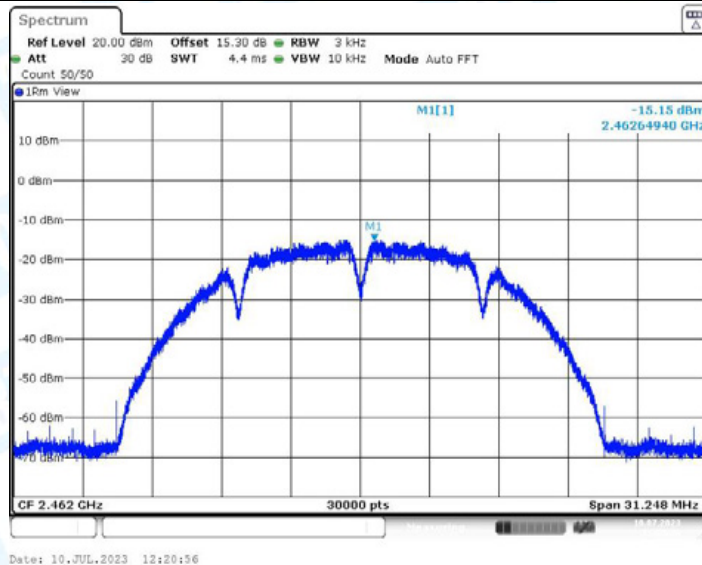
11B-CDD\_Ant2\_2437



11B-CDD\_Ant1\_2462

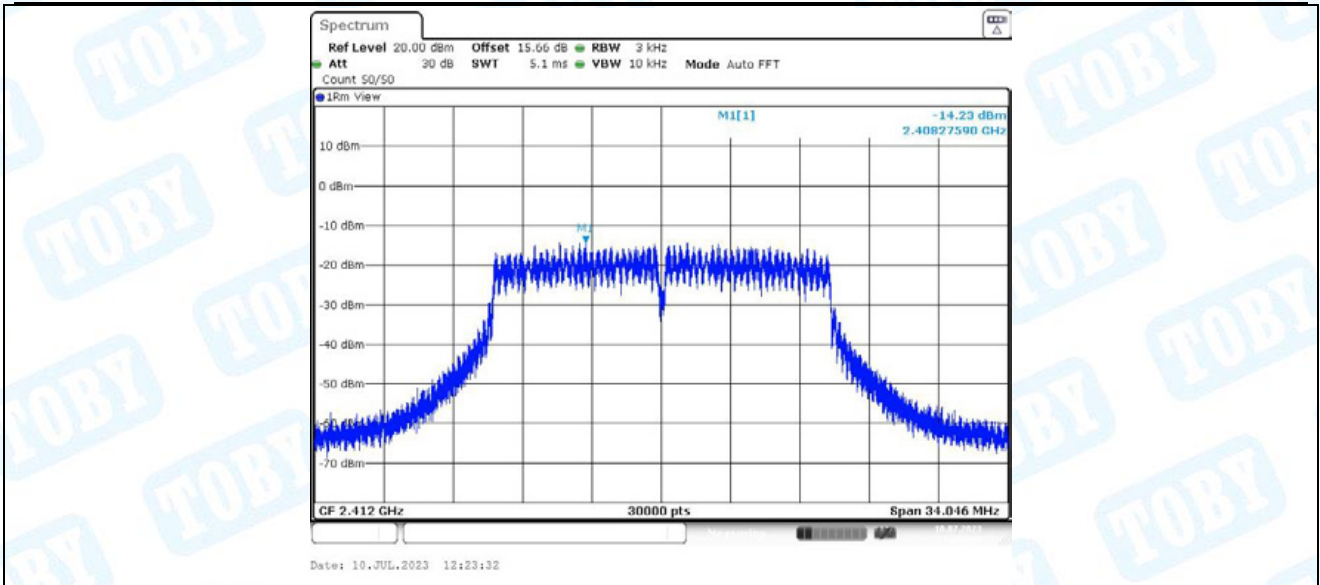


11B-CDD\_Ant2\_2462

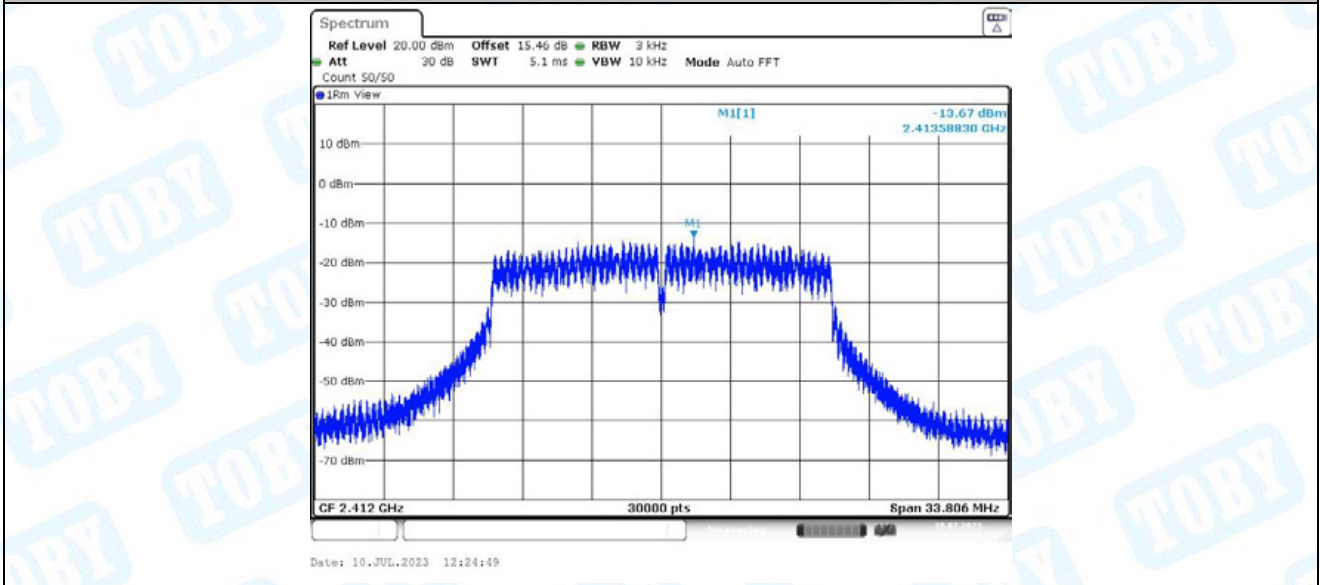


11G-CDD\_Ant1\_2412

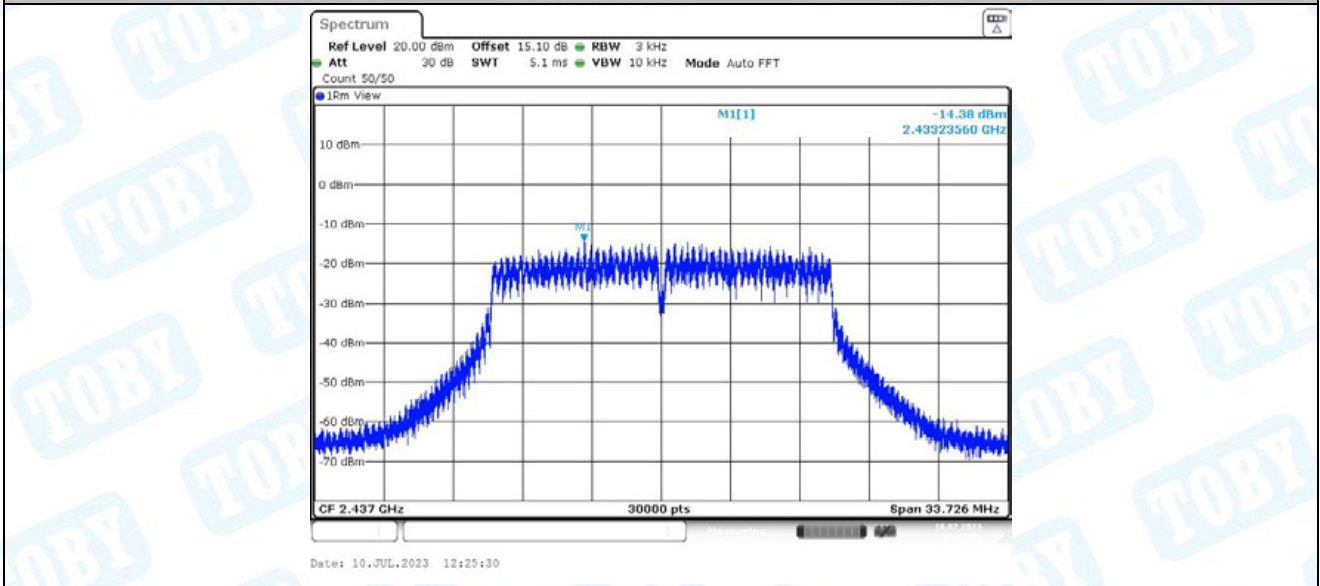




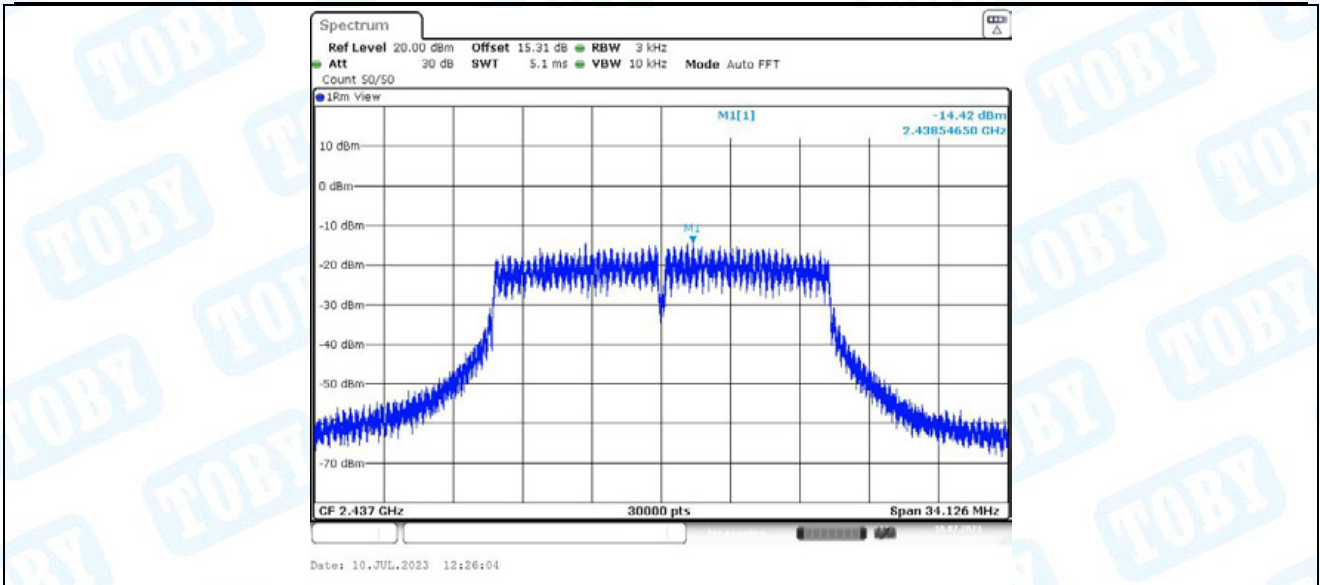
11G-CDD\_Ant2\_2412



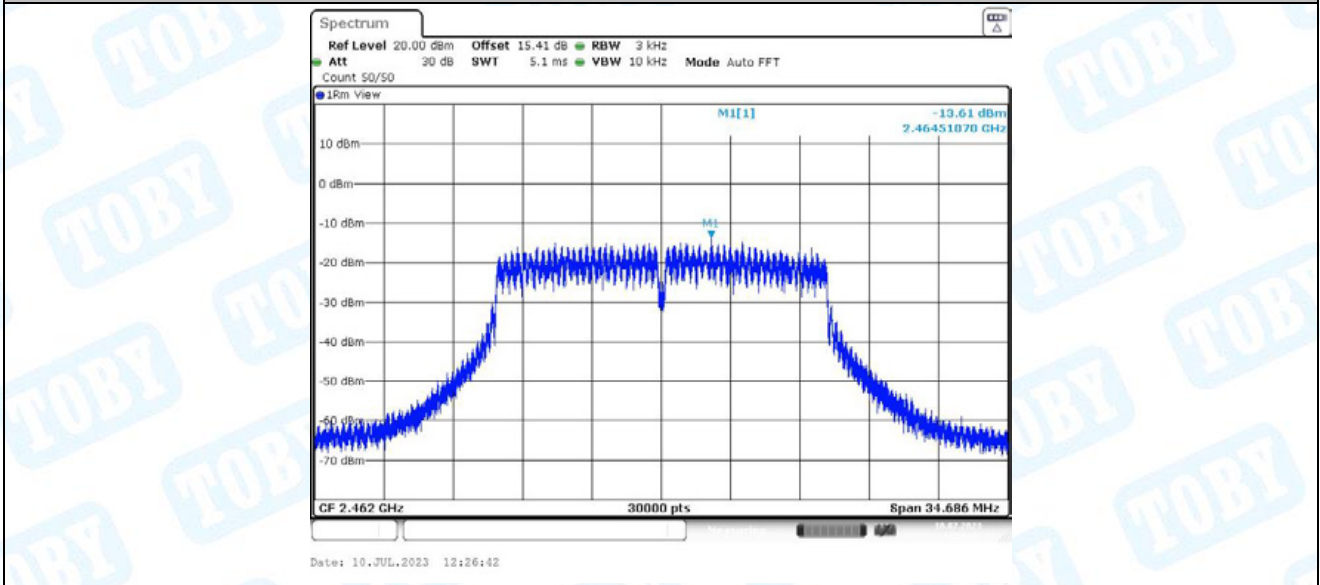
11G-CDD\_Ant1\_2437



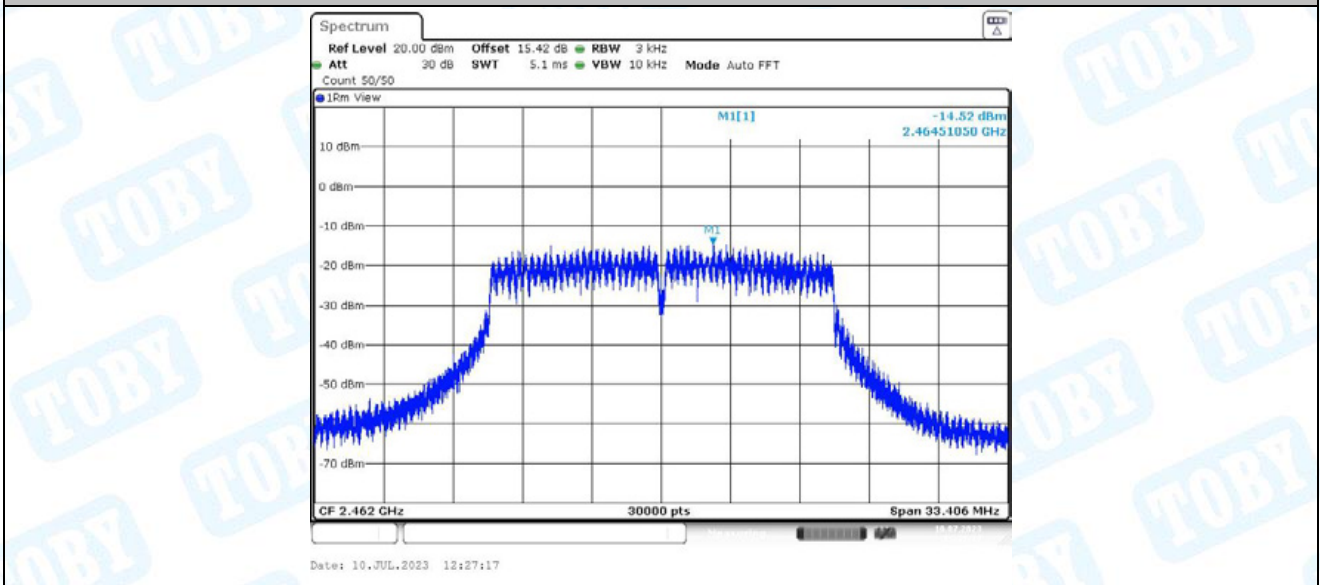
11G-CDD\_Ant2\_2437



11G-CDD\_Ant1\_2462

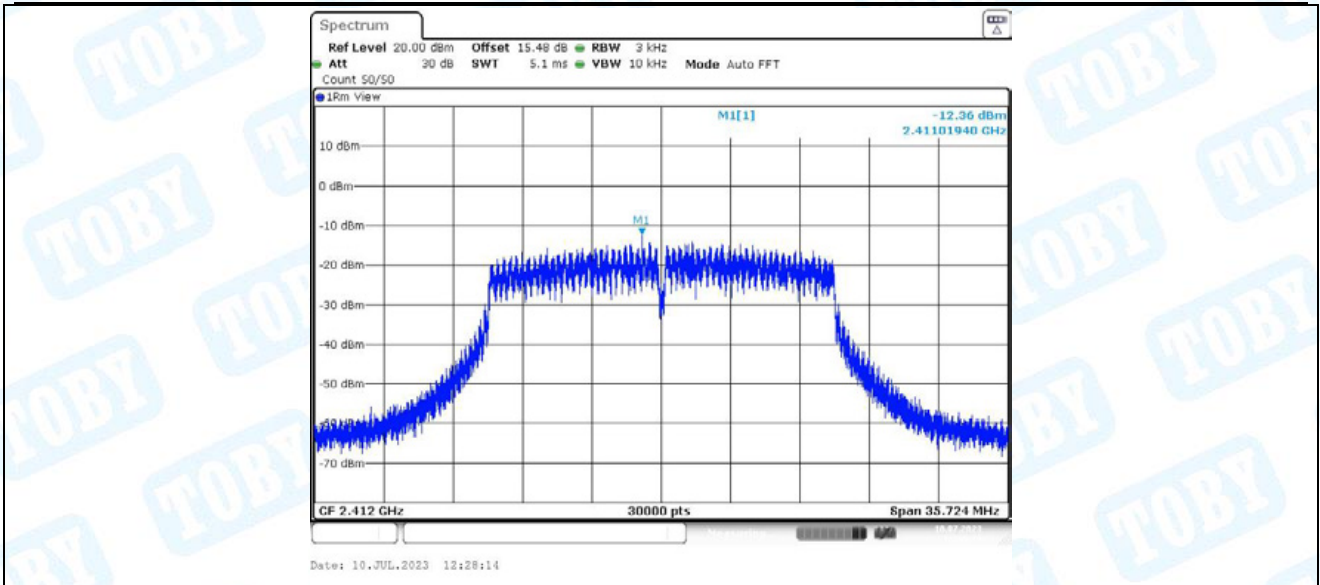


11G-CDD\_Ant2\_2462

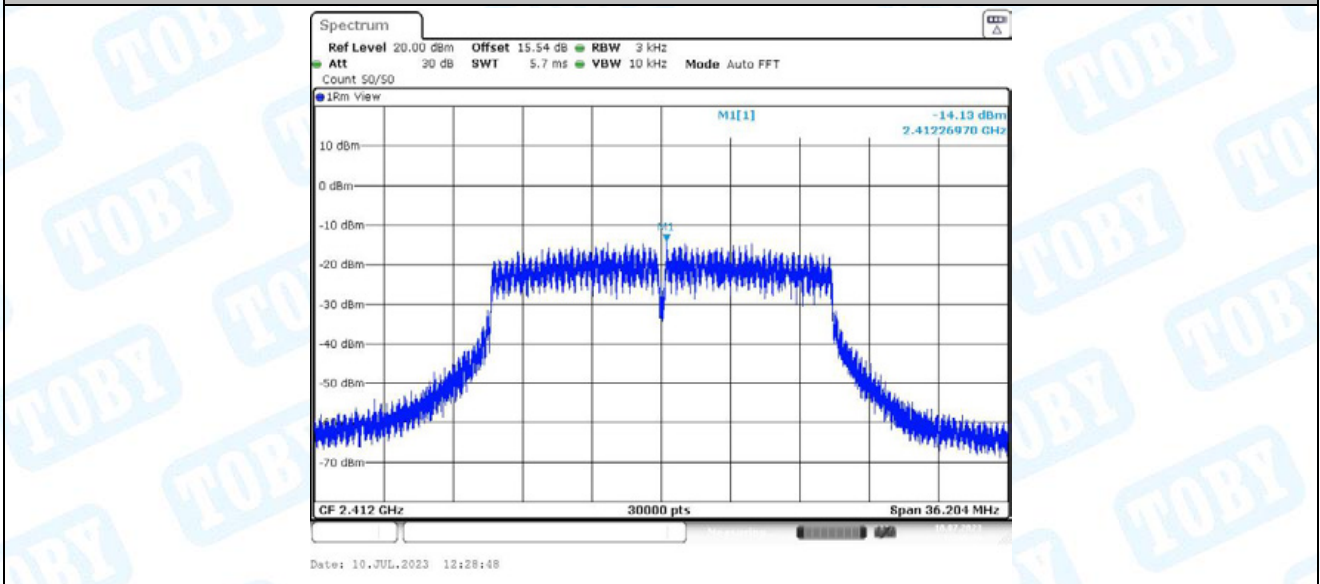


11N20MIMO\_Ant1\_2412

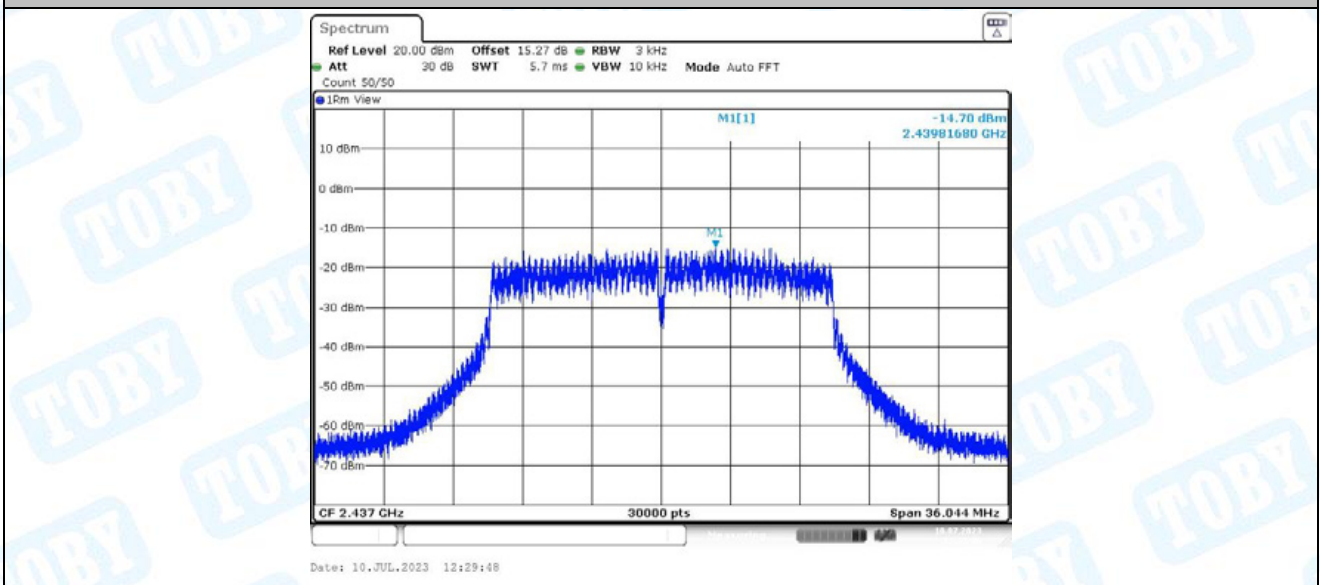




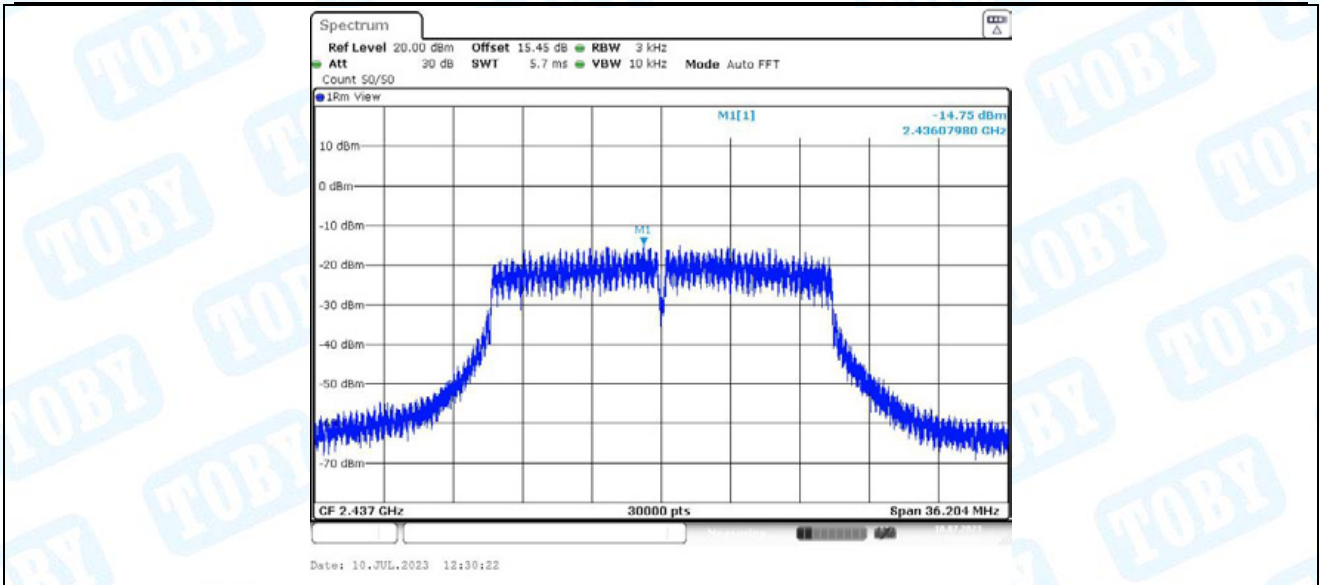
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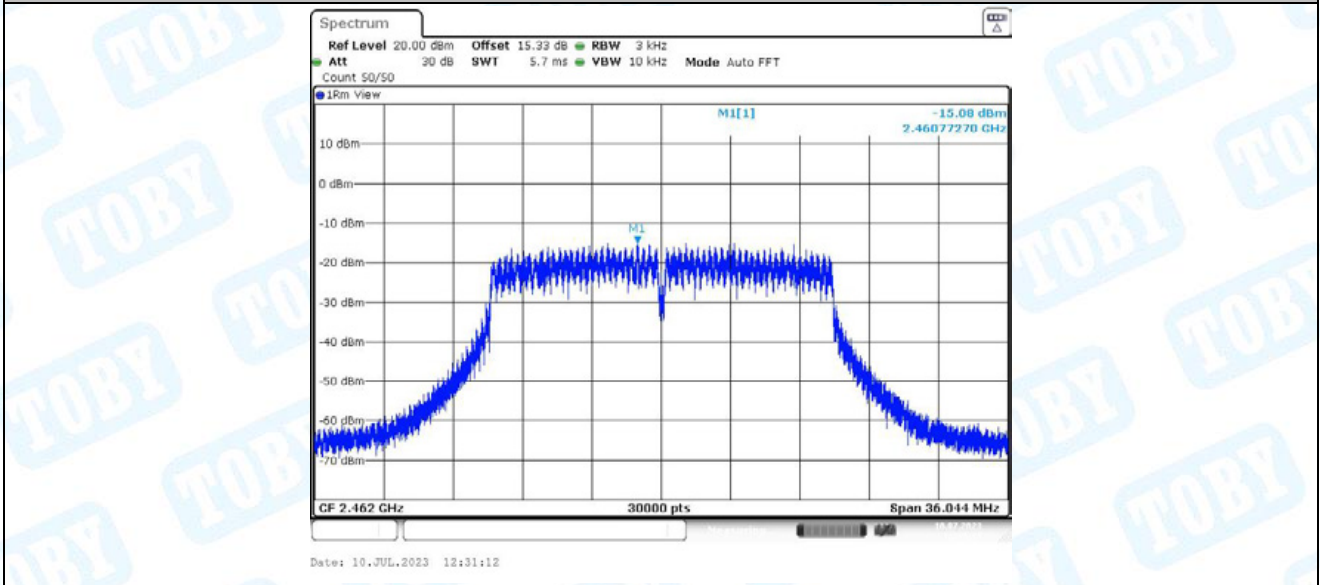
11N20MIMO\_Ant1\_2437



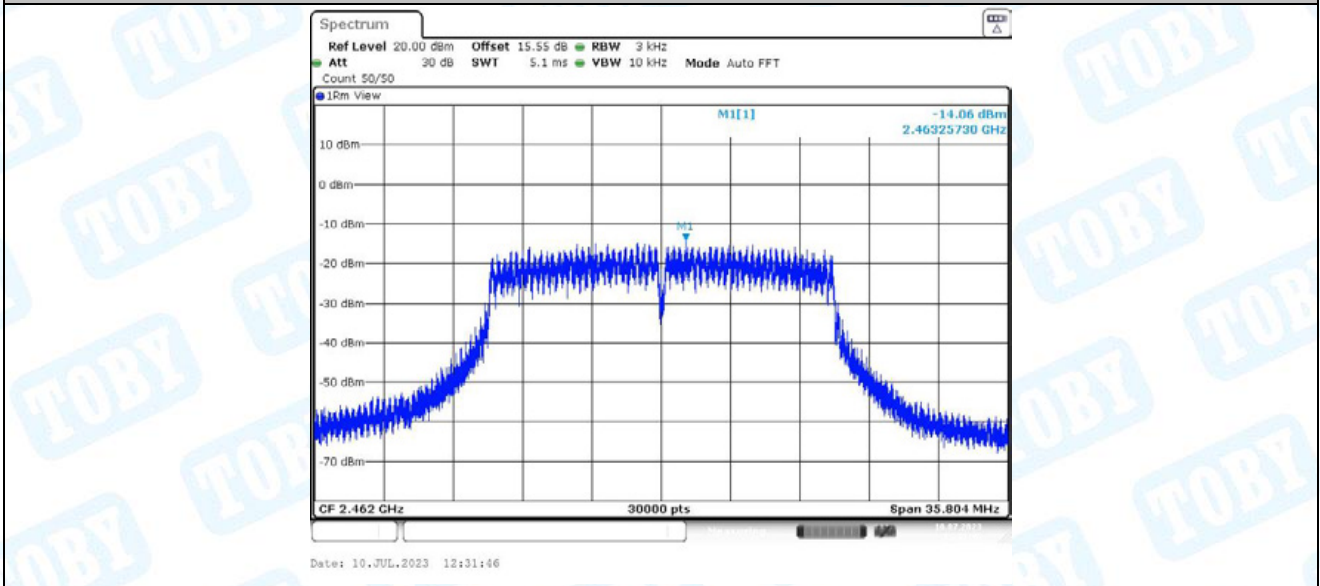
11N20MIMO\_Ant2\_2437



11N20MIMO\_Ant1\_2462

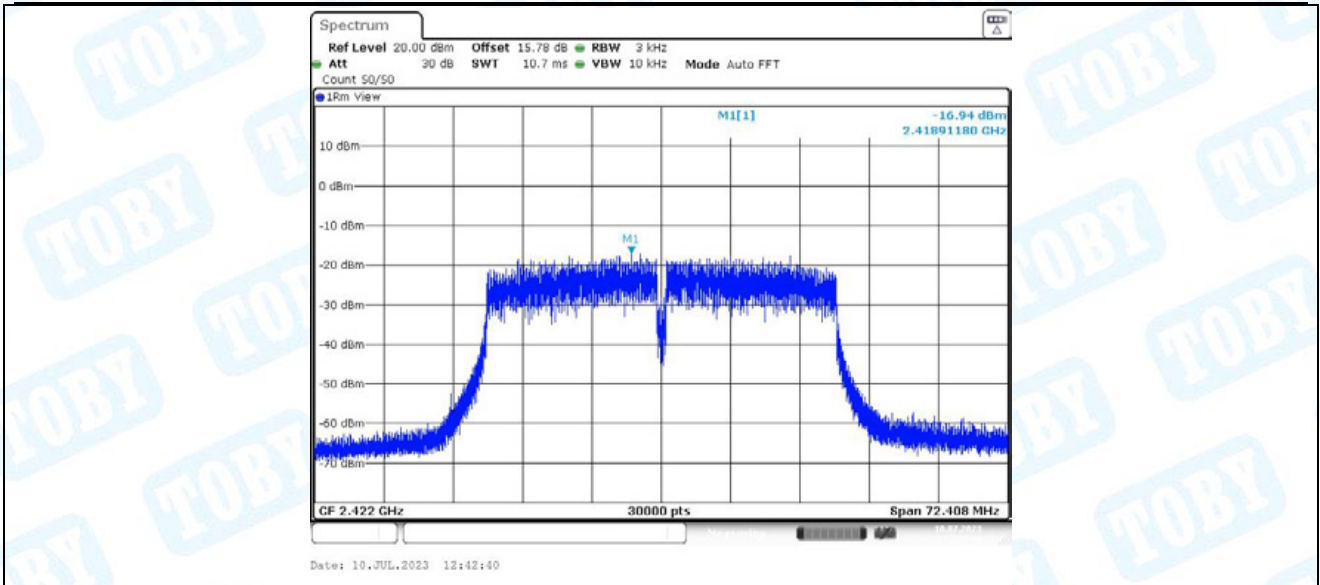


11N20MIMO\_Ant2\_2462

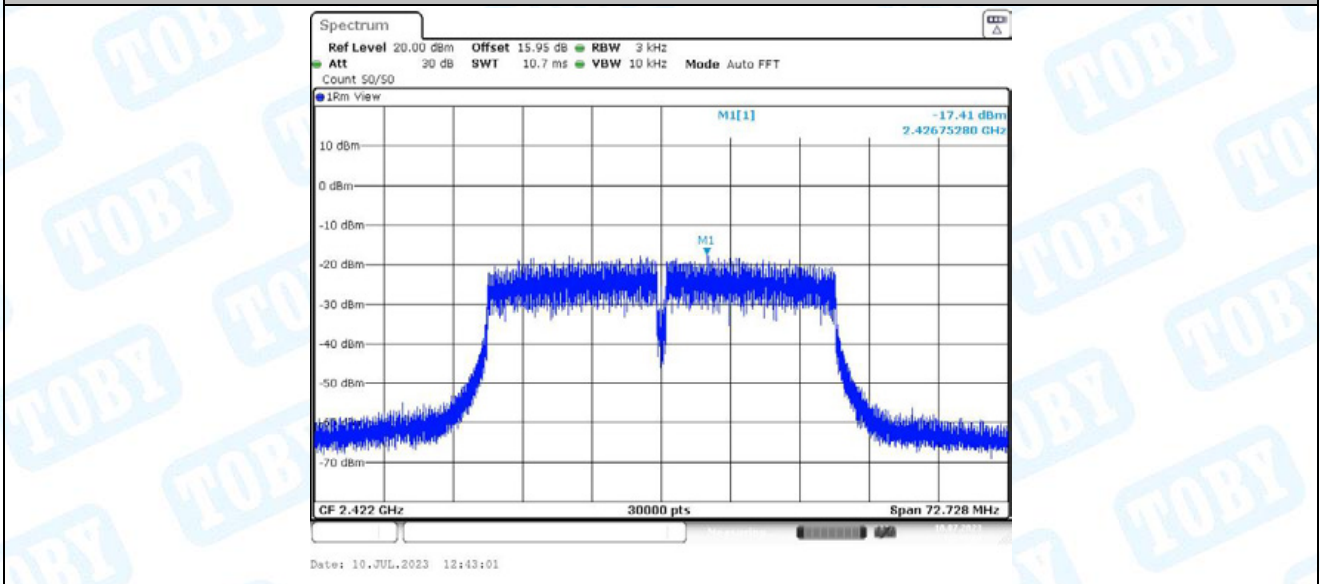


11N40MIMO\_Ant1\_2422

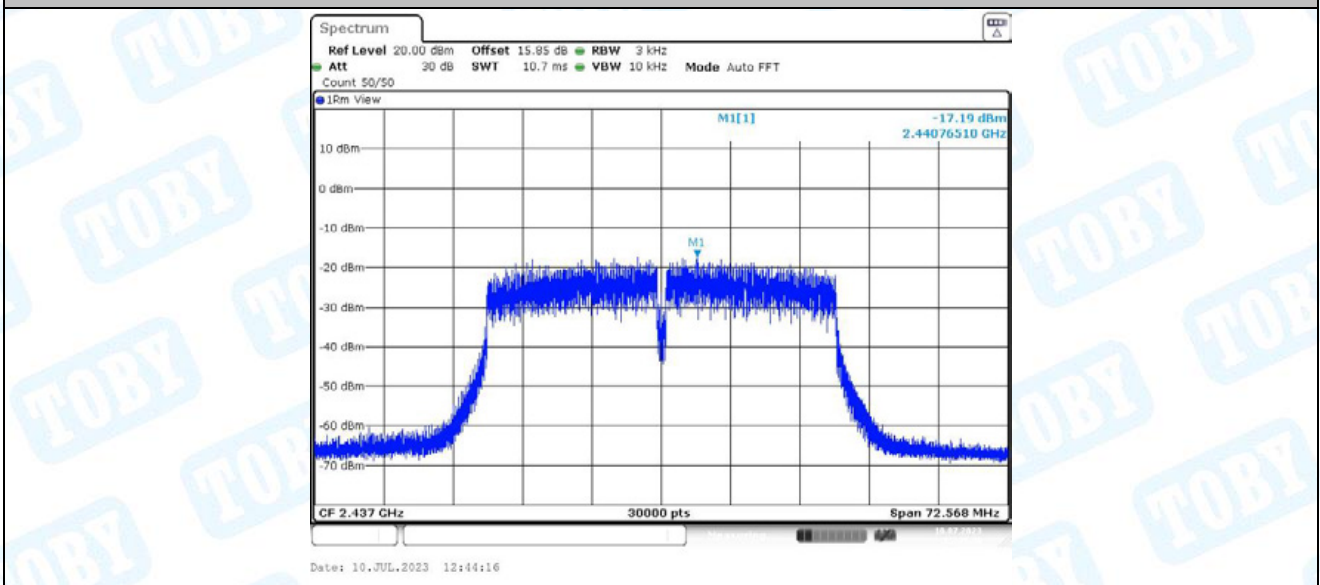




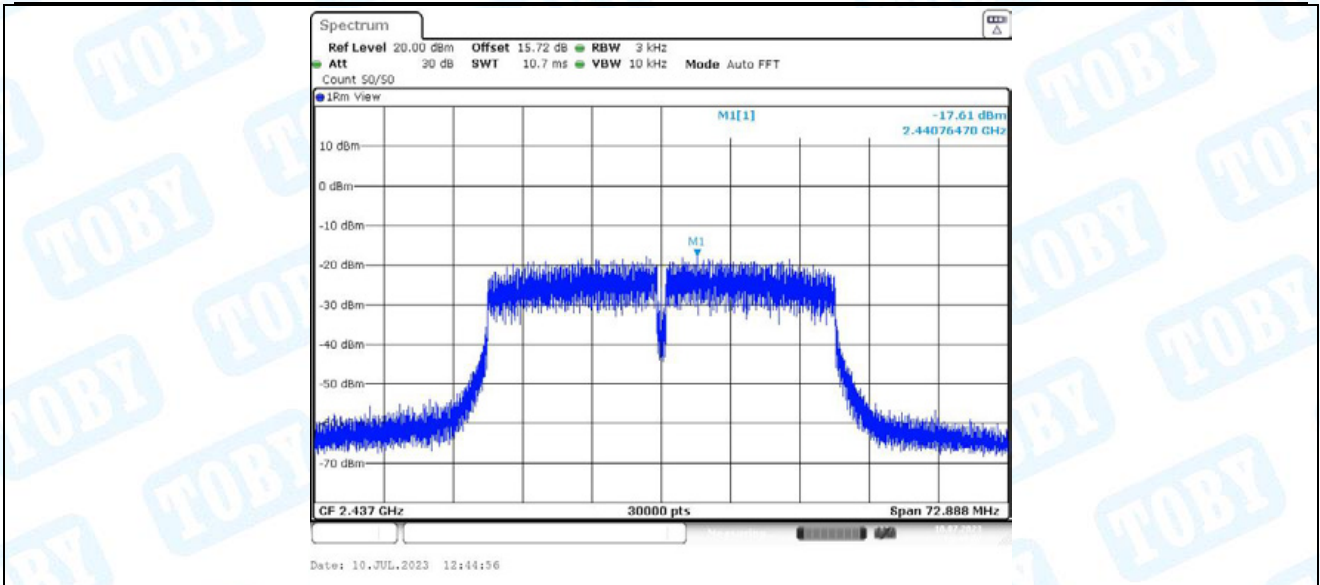
11N40MIMO\_Ant2\_2422



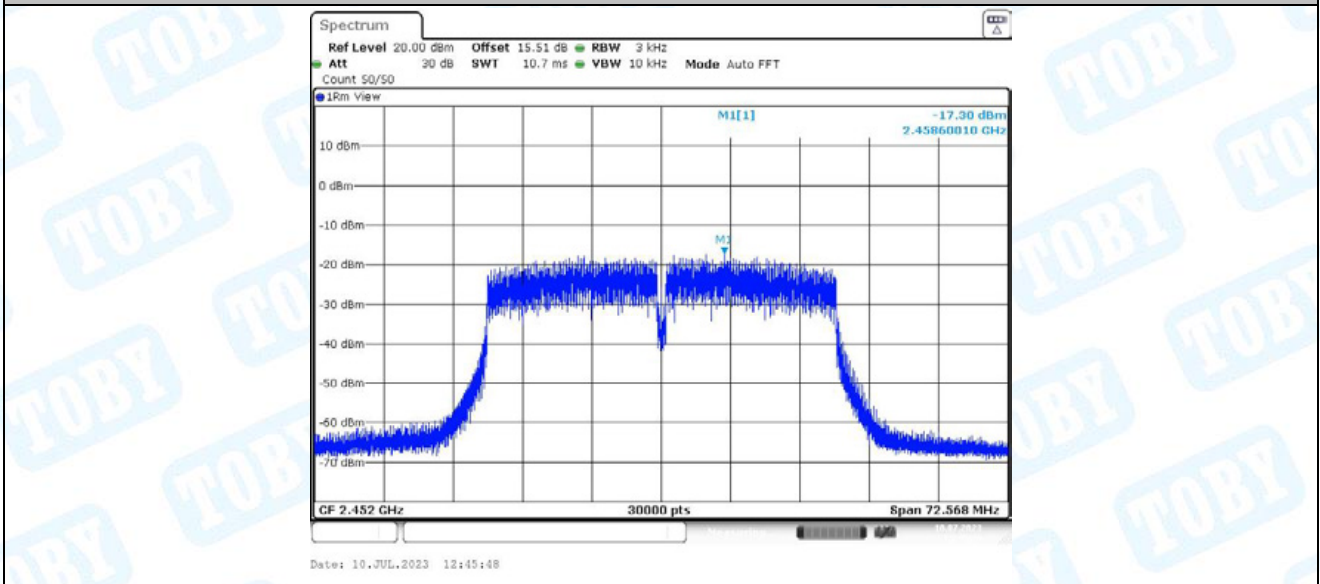
11N40MIMO\_Ant1\_2437



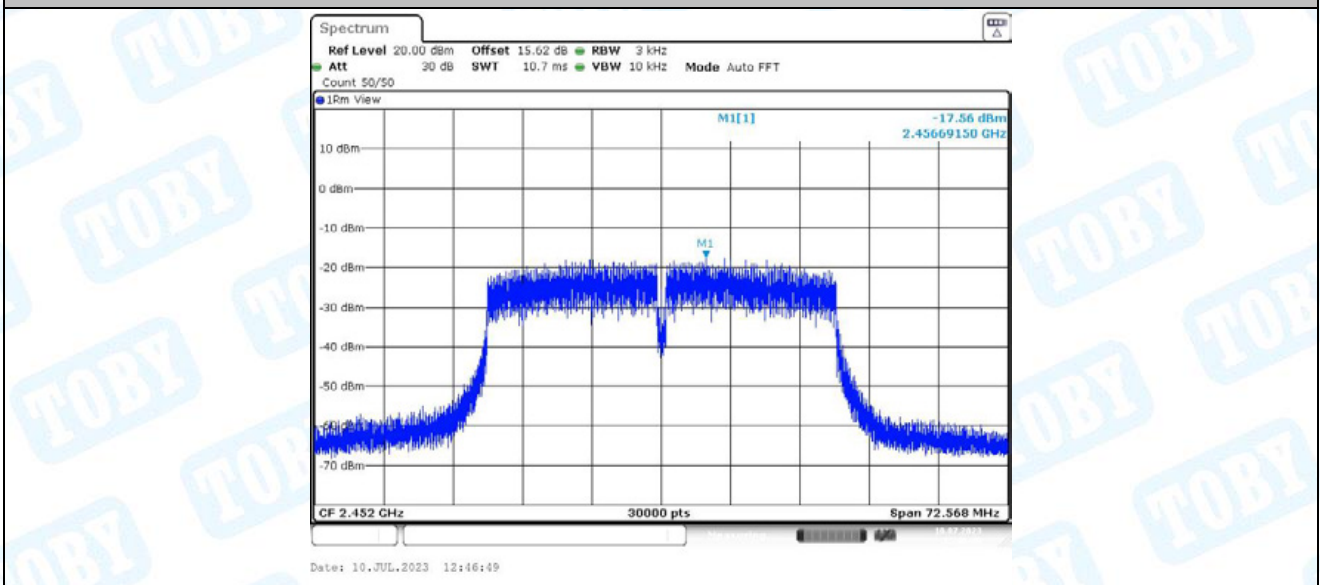
11N40MIMO\_Ant2\_2437



11N40MIMO\_Ant1\_2452



11N40MIMO\_Ant2\_2452





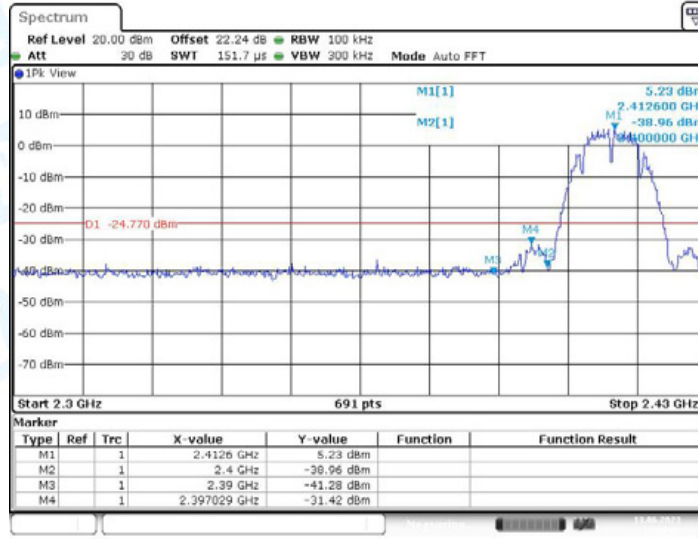
## 5. Band edge measurements

### 5.1. Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B-CDD	Ant1	Low	2412	5.23	-31.42	≤-24.77	PASS
	Ant2	Low	2412	4.74	-37.24	≤-25.26	PASS
	Ant1	High	2462	4.98	-35.57	≤-25.02	PASS
	Ant2	High	2462	4.23	-36.81	≤-25.77	PASS
11G-CDD	Ant1	Low	2412	-0.01	-35.01	≤-30.01	PASS
	Ant2	Low	2412	1.35	-31.01	≤-28.65	PASS
	Ant1	High	2462	-0.63	-35.94	≤-30.63	PASS
	Ant2	High	2462	0.33	-35.59	≤-29.67	PASS
11N20MIMO	Ant1	Low	2412	2.69	-30.01	≤-27.31	PASS
	Ant2	Low	2412	3.56	-29.52	≤-26.44	PASS
	Ant1	High	2462	1.84	-36.46	≤-28.16	PASS
	Ant2	High	2462	1.55	-36.87	≤-28.45	PASS
11N40MIMO	Ant1	Low	2422	0.70	-35.00	≤-29.30	PASS
	Ant2	Low	2422	1.00	-33.43	≤-29.00	PASS
	Ant1	High	2452	3.08	-34.88	≤-26.92	PASS
	Ant2	High	2452	2.27	-35.09	≤-27.73	PASS

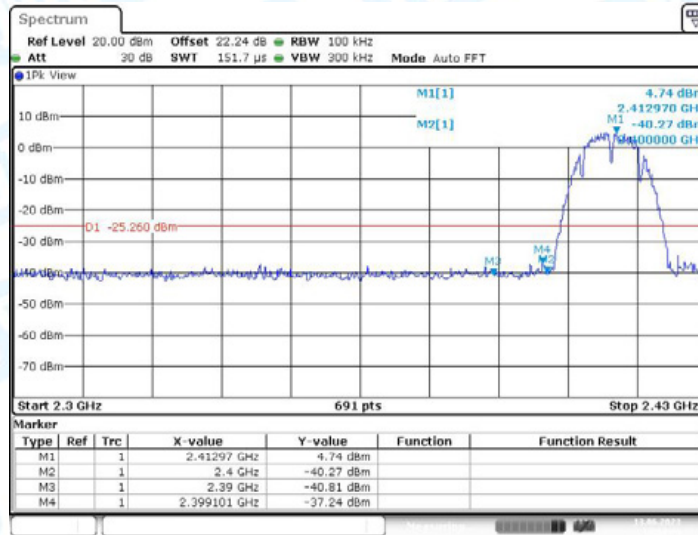
## 5.2. Test Graphs

11B-CDD\_Ant1\_Low\_2412



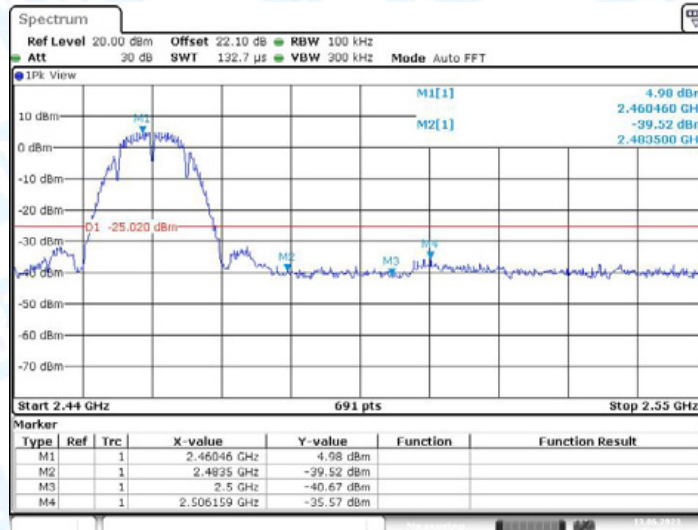
Date: 13 JUN. 2023 13:54:31

11B-CDD\_Ant2\_Low\_2412



Date: 13 JUN. 2023 13:54:43

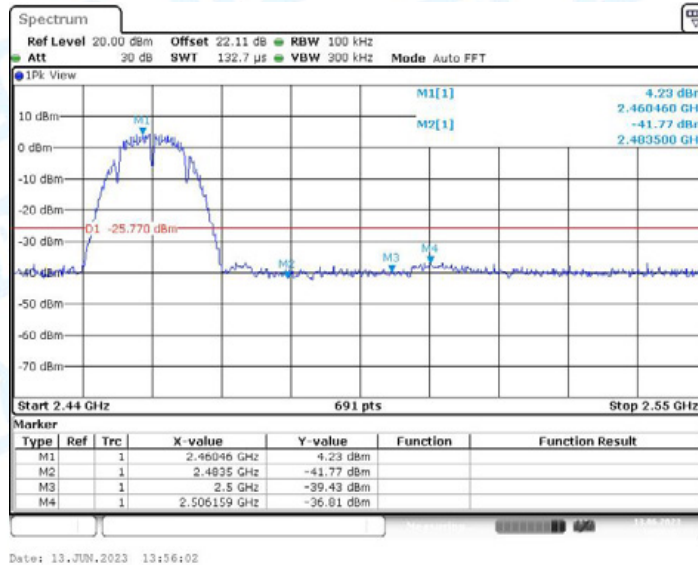
11B-CDD\_Ant1\_High\_2462



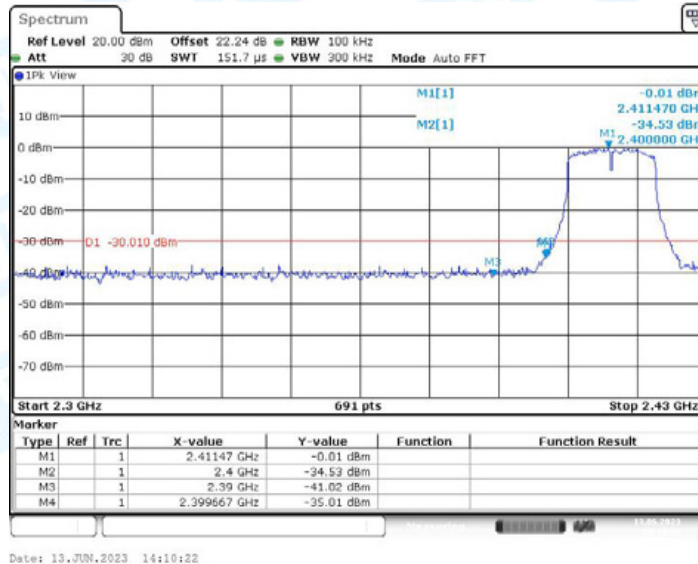
Date: 13 JUN. 2023 13:55:51



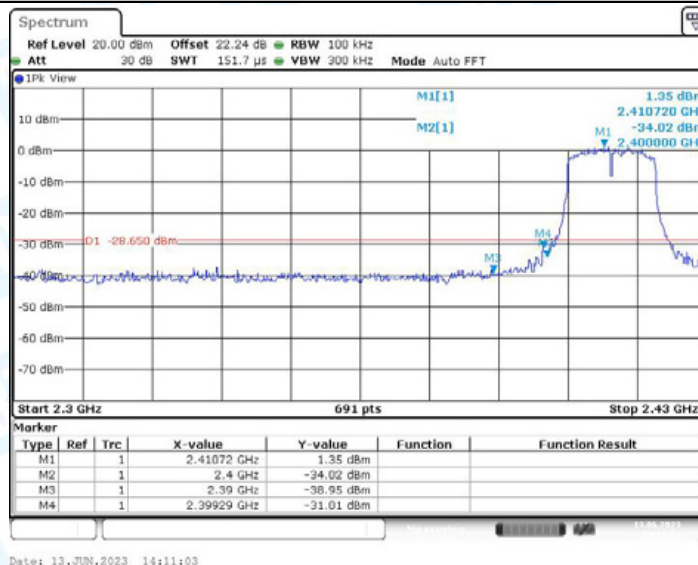
11B-CDD\_Ant2\_High\_2462



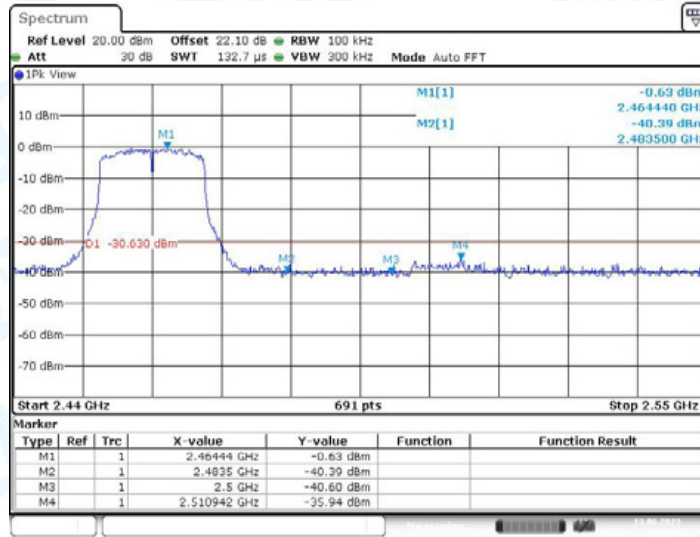
11G-CDD\_Ant1\_Low\_2412



11G-CDD\_Ant2\_Low\_2412

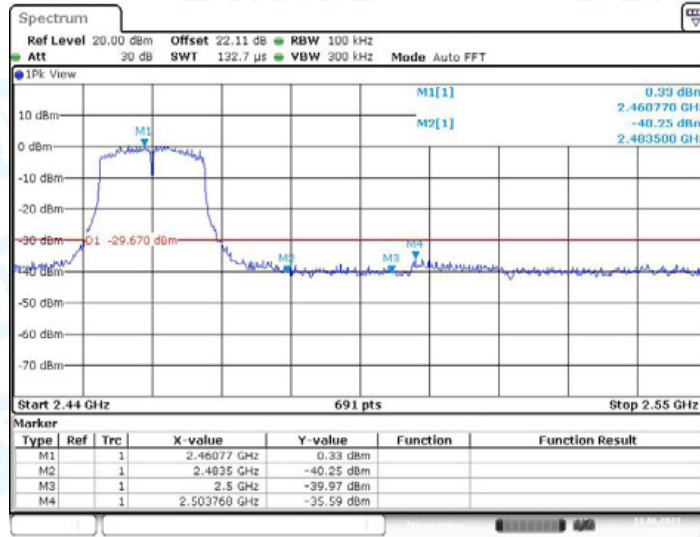


11G-CDD\_Ant1\_High\_2462



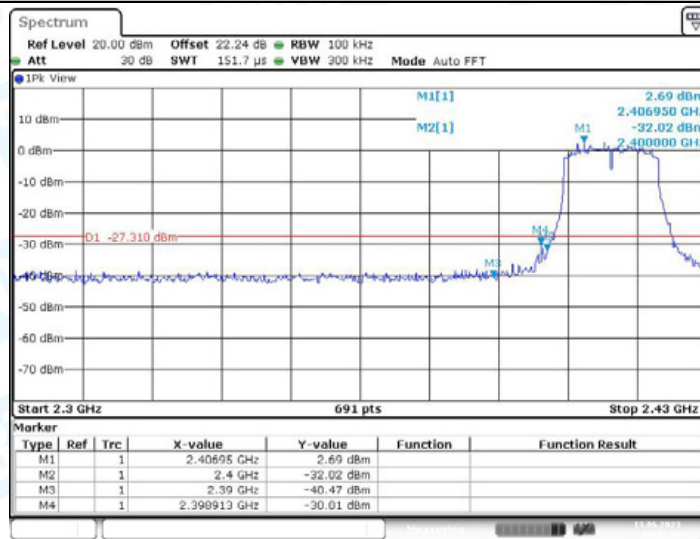
Date: 13 JUN, 2023 14:25:40

11G-CDD\_Ant2\_High\_2462



Date: 13 JUN, 2023 14:28:05

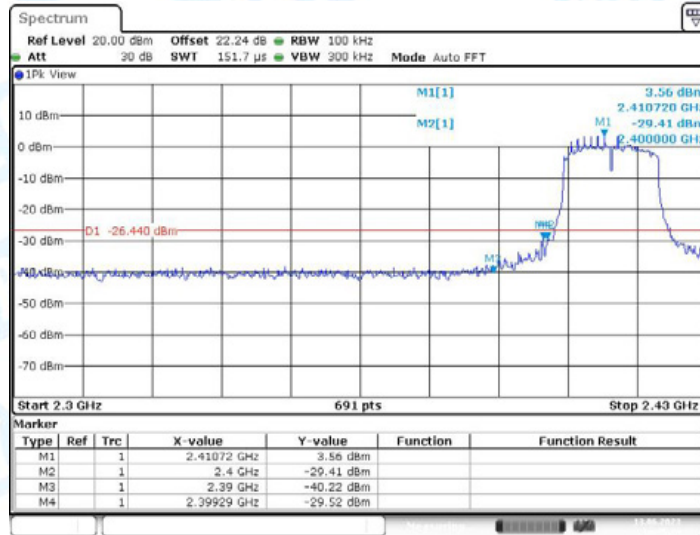
11N20MIMO\_Ant1\_Low\_2412



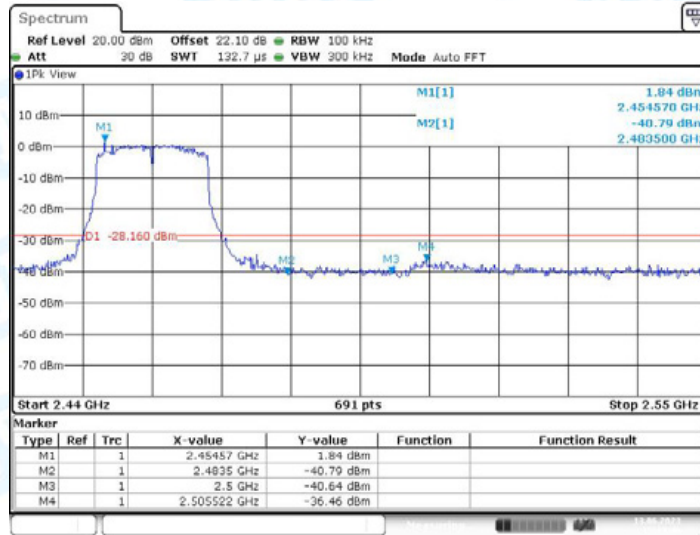
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11N20MIMO\_Ant2\_Low\_2412

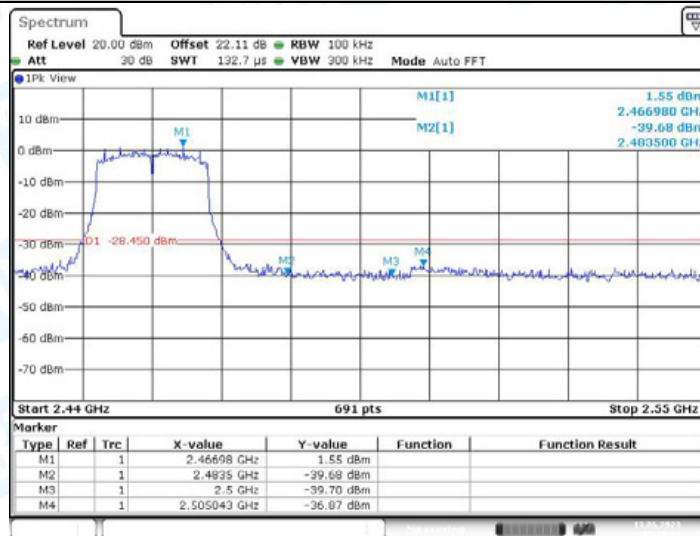




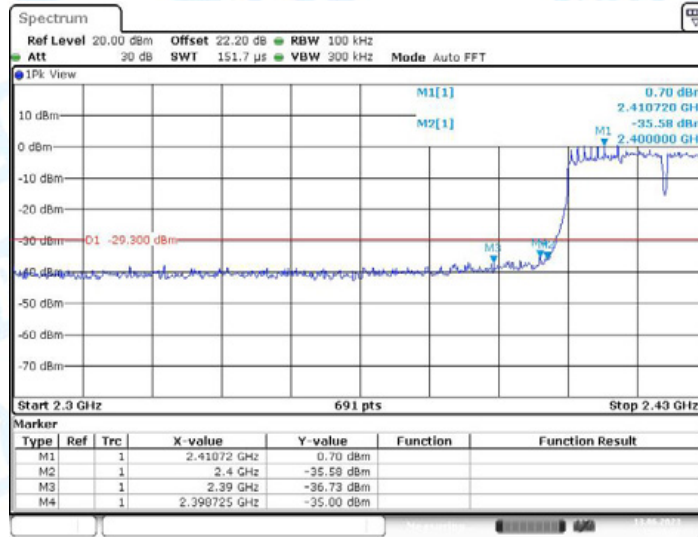
11N20MIMO\_Ant1\_High\_2462



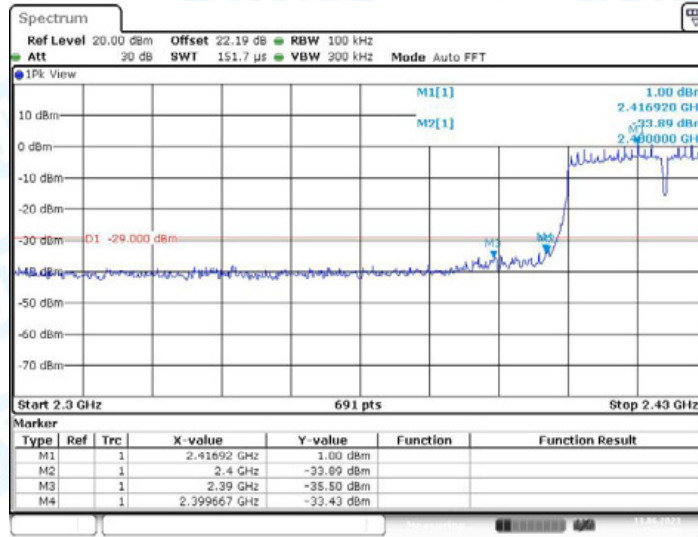
11N20MIMO\_Ant2\_High\_2462



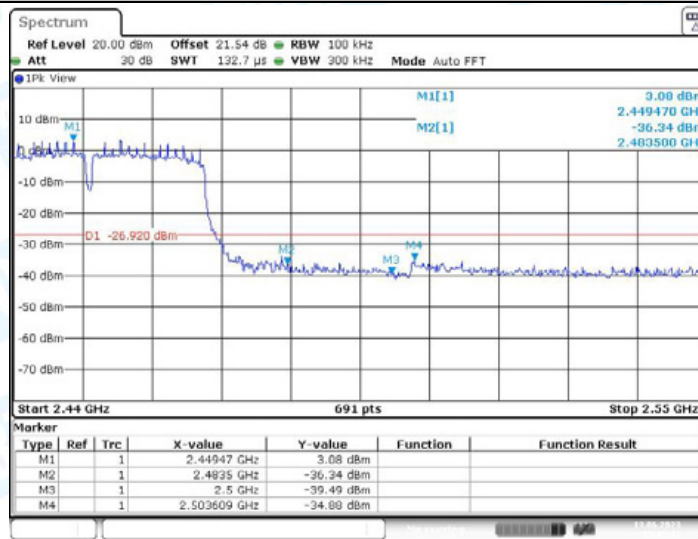
11N40MIMO\_Ant1\_Low\_2422



11N40MIMO\_Ant2\_Low\_2422

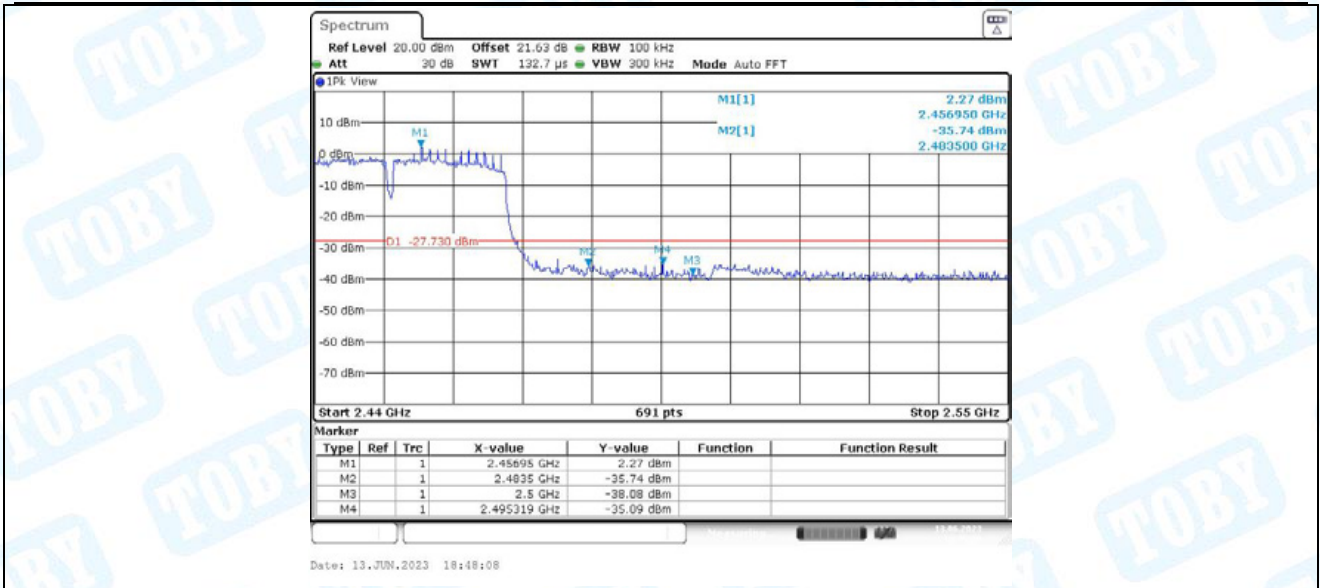


11N40MIMO\_Ant1\_High\_2452



11N40MIMO\_Ant2\_High\_2452





## 6. Conducted Spurious Emission

### 6.1. Test Result

TestMode	Antenna	Channel	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B-CDD	Ant1	2412	Reference	6.21	6.21	---	PASS
			30~1000	6.21	-48.46	≤-23.79	PASS
			1000~26500	6.21	-38.35	≤-23.79	PASS
	Ant2	2412	Reference	5.80	5.80	---	PASS
			30~1000	5.80	-47.01	≤-24.2	PASS
			1000~26500	5.80	-39.12	≤-24.2	PASS
	Ant1	2437	Reference	5.46	5.46	---	PASS
			30~1000	5.46	-48.17	≤-24.54	PASS
			1000~26500	5.46	-38.67	≤-24.54	PASS
	Ant2	2437	Reference	5.27	5.27	---	PASS
			30~1000	5.27	-48.52	≤-24.73	PASS
			1000~26500	5.27	-39.12	≤-24.73	PASS
	Ant1	2462	Reference	5.52	5.52	---	PASS
			30~1000	5.52	-48.08	≤-24.48	PASS
			1000~26500	5.52	-38.99	≤-24.48	PASS
	Ant2	2462	Reference	4.20	4.20	---	PASS
			30~1000	4.20	-47.77	≤-25.8	PASS
			1000~26500	4.20	-38.88	≤-25.8	PASS
11G-CDD	Ant1	2412	Reference	6.67	6.67	---	PASS
			30~1000	6.67	-47.06	≤-23.33	PASS
			1000~26500	6.67	-39.44	≤-23.33	PASS
	Ant2	2412	Reference	6.69	6.69	---	PASS
			30~1000	6.69	-47.8	≤-23.31	PASS
			1000~26500	6.69	-38.97	≤-23.31	PASS
	Ant1	2437	Reference	0.78	0.78	---	PASS
			30~1000	0.78	-47.12	≤-29.22	PASS
			1000~26500	0.78	-38.79	≤-29.22	PASS
	Ant2	2437	Reference	1.58	1.58	---	PASS
			30~1000	1.58	-48.08	≤-28.42	PASS
			1000~26500	1.58	-38.78	≤-28.42	PASS
	Ant1	2462	Reference	2.79	2.79	---	PASS
			30~1000	2.79	-48.14	≤-27.21	PASS
			1000~26500	2.79	-39.51	≤-27.21	PASS
	Ant2	2462	Reference	2.18	2.18	---	PASS
			30~1000	2.18	-46.43	≤-27.82	PASS
			1000~26500	2.18	-39.52	≤-27.82	PASS
11N20MIMO	Ant1	2412	Reference	4.59	4.59	---	PASS
			30~1000	4.59	-48.59	≤-25.41	PASS
			1000~26500	4.59	-39.28	≤-25.41	PASS
	Ant2	2412	Reference	3.40	3.40	---	PASS



11N40MIMO	Ant1	2437	30~1000	3.40	-48.09	≤-26.6	PASS	
			1000~26500	3.40	-37.51	≤-26.6	PASS	
			Reference	4.02	4.02	---	PASS	
			30~1000	4.02	-48.35	≤-25.98	PASS	
			1000~26500	4.02	-38.16	≤-25.98	PASS	
			Reference	2.85	2.85	---	PASS	
	Ant2	2437	30~1000	2.85	-48.45	≤-27.15	PASS	
			1000~26500	2.85	-39.18	≤-27.15	PASS	
			Reference	3.64	3.64	---	PASS	
	Ant1	2462	30~1000	3.64	-48.22	≤-26.36	PASS	
			1000~26500	3.64	-39.23	≤-26.36	PASS	
			Reference	2.42	2.42	---	PASS	
	Ant2	2462	30~1000	2.42	-48.75	≤-27.58	PASS	
			1000~26500	2.42	-39.15	≤-27.58	PASS	
			Reference	1.77	1.77	---	PASS	
	Ant1	2422	30~1000	1.77	-47.41	≤-28.23	PASS	
			1000~26500	1.77	-38.74	≤-28.23	PASS	
			Reference	0.78	0.78	---	PASS	
		Ant2	2422	30~1000	1.34	-48.48	≤-28.66	PASS
				1000~26500	1.34	-38.66	≤-28.66	PASS
				Reference	-0.06	-0.06	---	PASS
		Ant1	2437	30~1000	-0.06	-48.28	≤-30.06	PASS
				1000~26500	-0.06	-38.7	≤-30.06	PASS
				Reference	-0.57	-0.57	---	PASS
Ant2	2437	30~1000	-0.57	-48.5	≤-30.57	PASS		
		1000~26500	-0.57	-38.82	≤-30.57	PASS		
		Reference	2.20	2.20	---	PASS		
Ant1	2452	30~1000	2.20	-46.93	≤-27.8	PASS		
		1000~26500	2.20	-37.98	≤-27.8	PASS		
		Reference	2.55	2.55	---	PASS		
Ant2	2452	30~1000	2.55	-47.51	≤-27.45	PASS		
		1000~26500	2.55	-37.96	≤-27.45	PASS		