



## 6.3 CONDUCTED OUTPUT POWER

### 6.3.1 Test Result

#### PK

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	16.28	≤30	PASS
	Ant1	2437	16.96	≤30	PASS
	Ant1	2462	17.47	≤30	PASS
11G	Ant1	2412	19.95	≤30	PASS
	Ant1	2437	20.00	≤30	PASS
	Ant1	2462	20.50	≤30	PASS
11N20SISO	Ant1	2412	20.25	≤30	PASS
	Ant1	2437	20.19	≤30	PASS
	Ant1	2462	20.76	≤30	PASS
11N40SISO	Ant1	2422	20.06	≤30	PASS
	Ant1	2437	19.99	≤30	PASS
	Ant1	2452	20.30	≤30	PASS

#### AV

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	15.15	≤30	PASS
	Ant1	2437	15.18	≤30	PASS
	Ant1	2462	15.29	≤30	PASS
11G	Ant1	2412	14.58	≤30	PASS
	Ant1	2437	14.32	≤30	PASS
	Ant1	2462	14.51	≤30	PASS
11N20SISO	Ant1	2412	14.37	≤30	PASS
	Ant1	2437	14.24	≤30	PASS
	Ant1	2462	14.21	≤30	PASS
11N40SISO	Ant1	2422	14.16	≤30	PASS
	Ant1	2437	14.13	≤30	PASS
	Ant1	2452	14.11	≤30	PASS



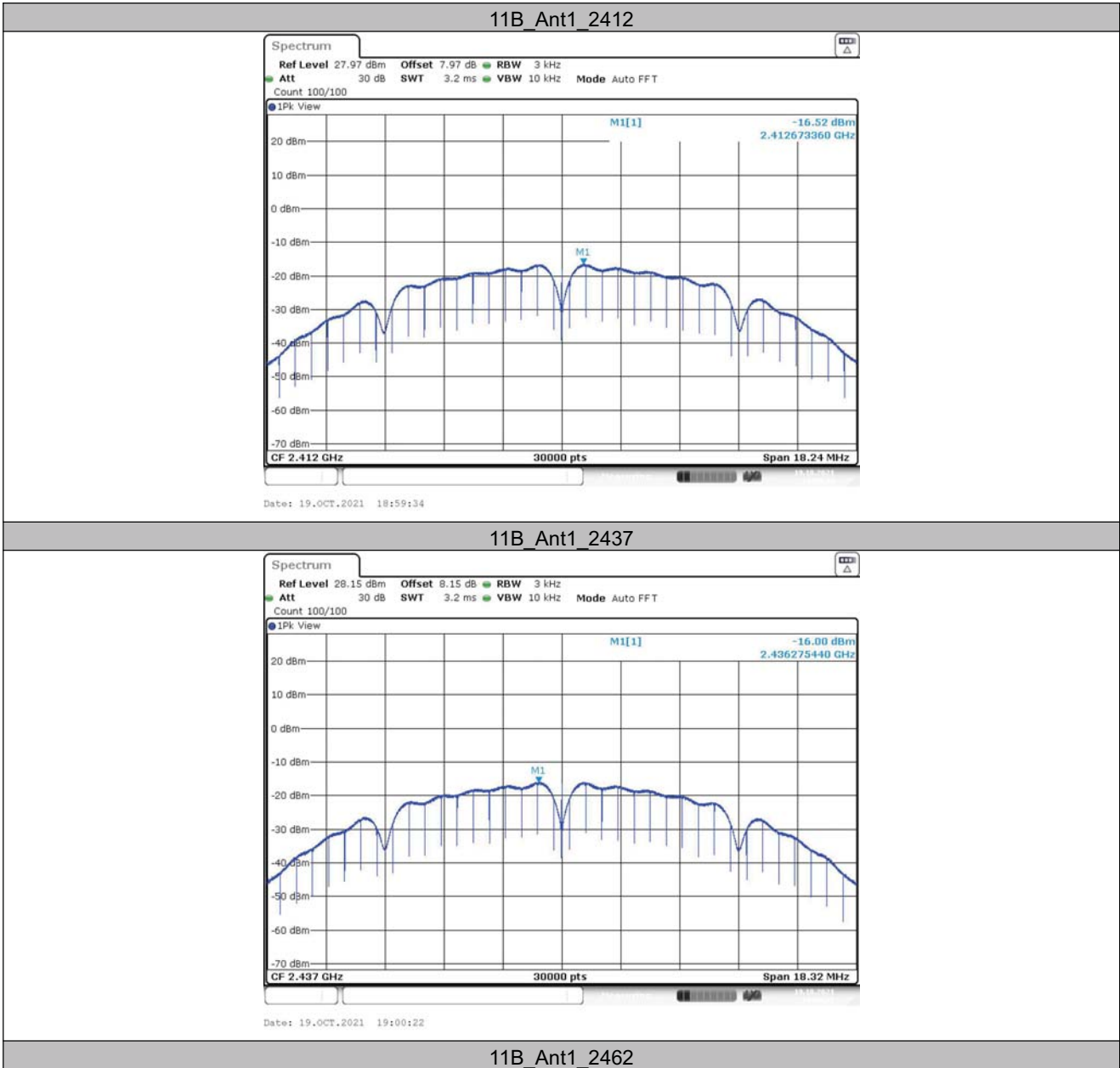
## 6.4 POWER SPECTRAL DENSITY MEASUREMENT

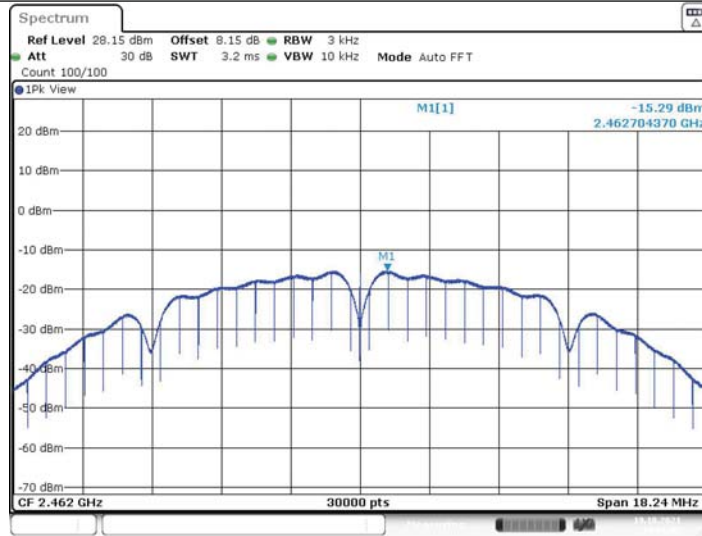
### 6.4.1 Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-16.52	≤8	PASS
		2437	-16	≤8	PASS
		2462	-15.29	≤8	PASS
11G	Ant1	2412	-13.83	≤8	PASS
		2437	-11.98	≤8	PASS
		2462	-11.15	≤8	PASS
11N20SISO	Ant1	2412	-13.82	≤8	PASS
		2437	-11.99	≤8	PASS
		2462	-11.19	≤8	PASS
11N40SISO	Ant1	2422	-12.63	≤8	PASS
		2437	-12.01	≤8	PASS
		2452	-11.58	≤8	PASS



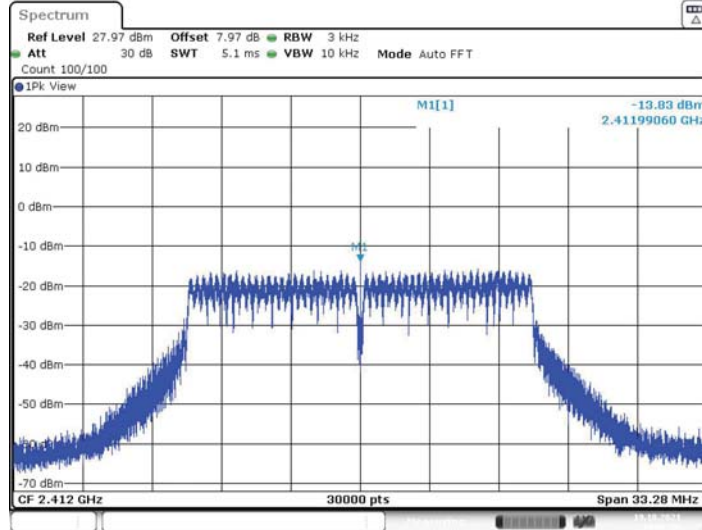
## 6.4.2 Test Graphs





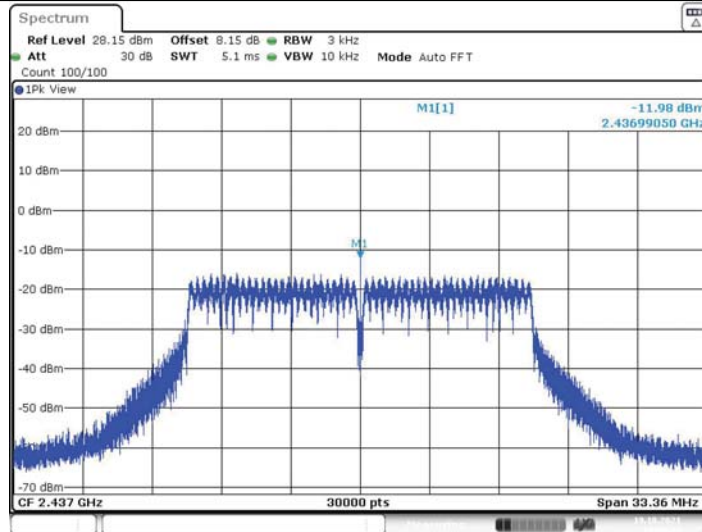
Date: 19.OCT.2021 19:01:08

11G\_Ant1\_2412



Date: 19.OCT.2021 19:02:39

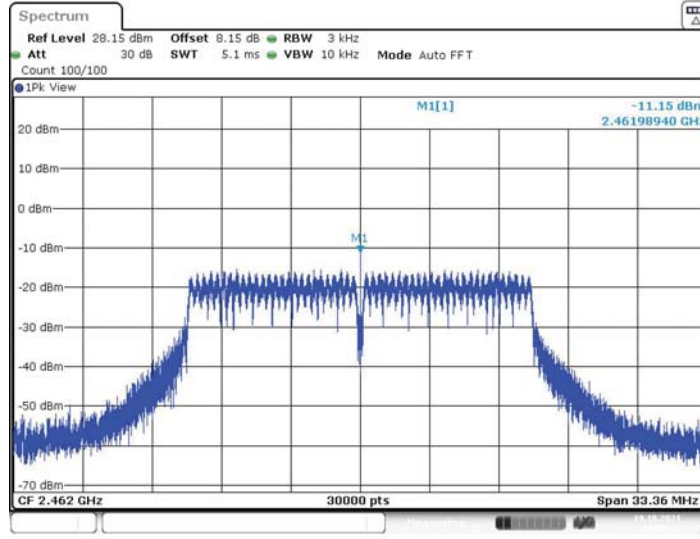
11G\_Ant1\_2437



Date: 19.OCT.2021 19:04:23

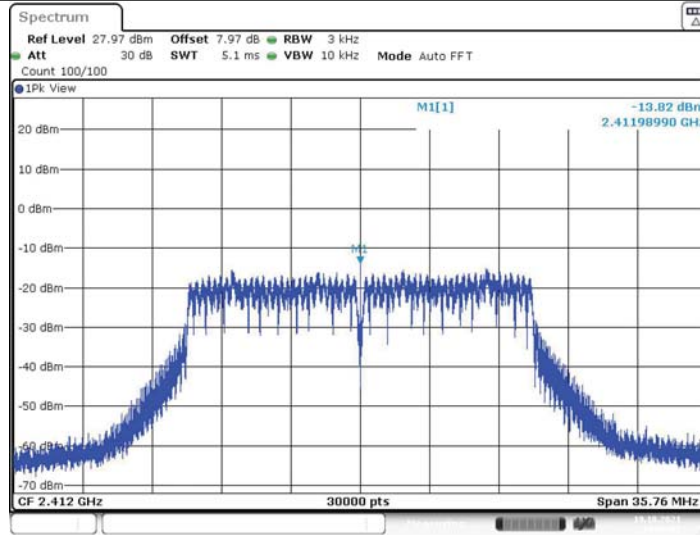


### 11G\_Ant1\_2462



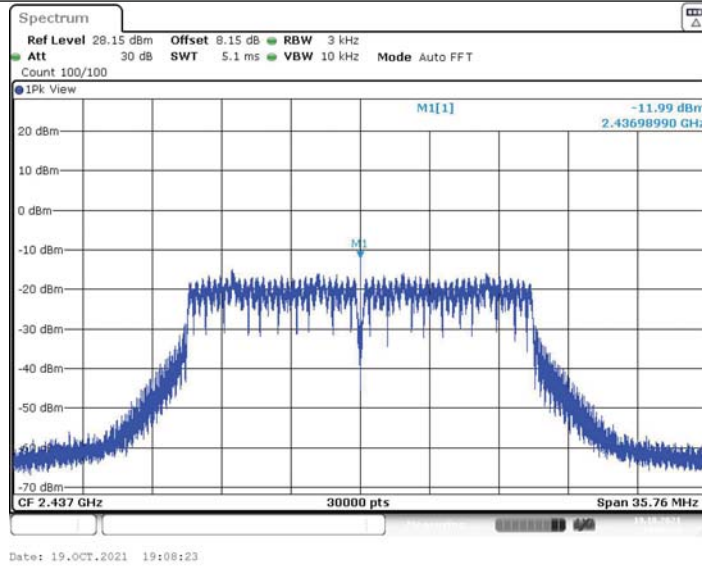
Date: 19.OCT.2021 19:05:33

### 11N20SISO\_Ant1\_2412

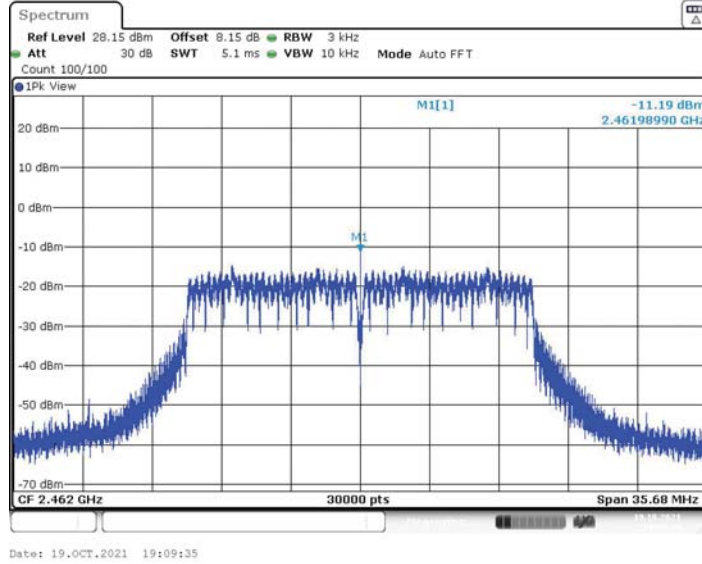


Date: 19.OCT.2021 19:07:01

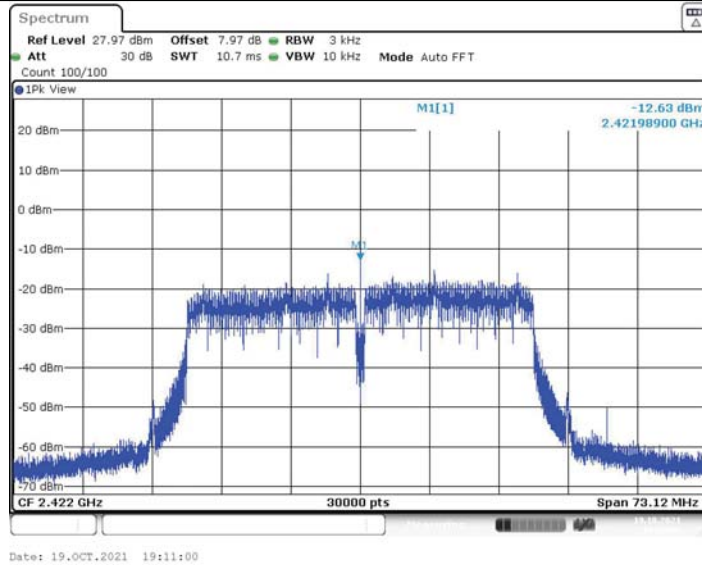
### 11N20SISO\_Ant1\_2437



11N20SISO\_Ant1\_2462

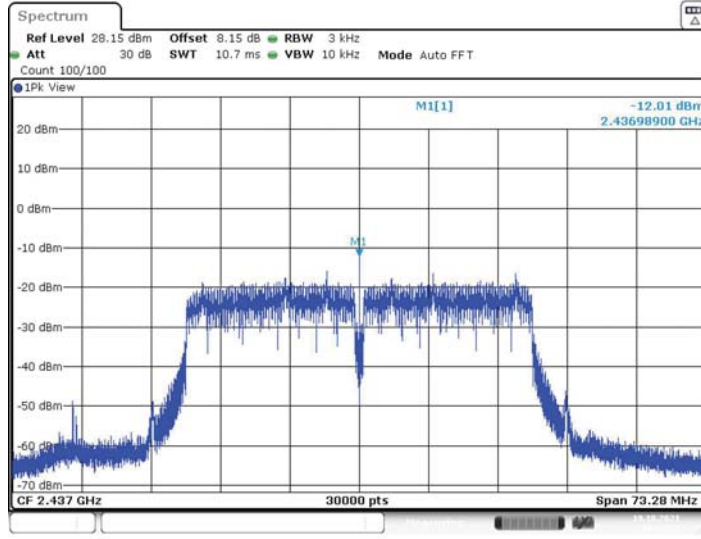


11N40SISO\_Ant1\_2422

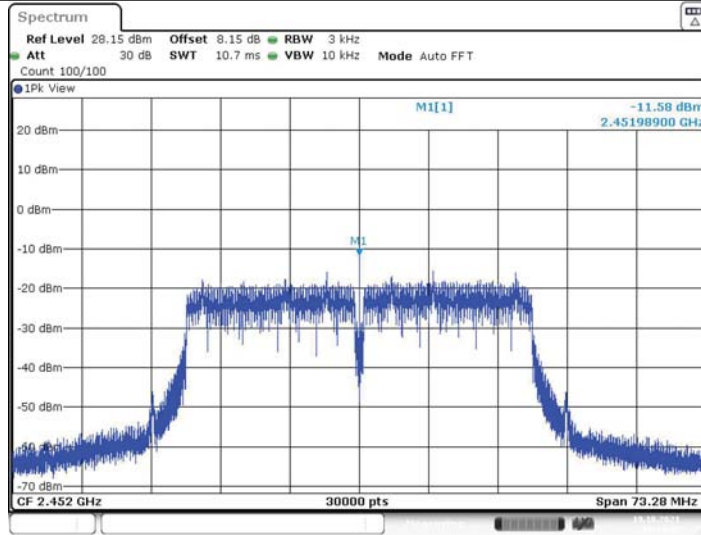




11N40SISO\_Ant1\_2437

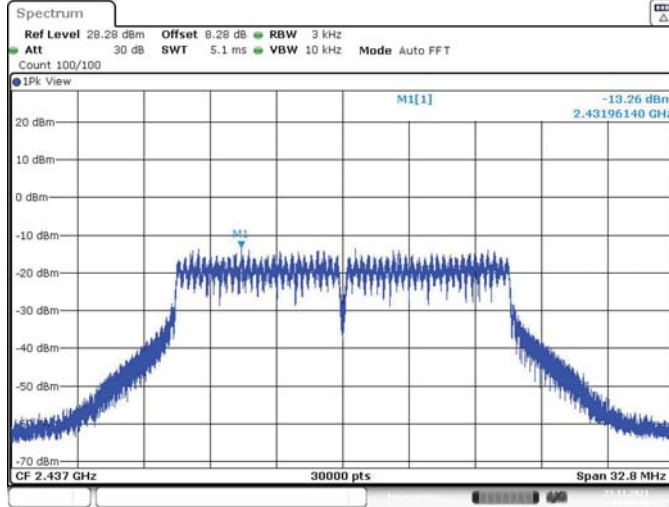


11N40SISO\_Ant1\_2452



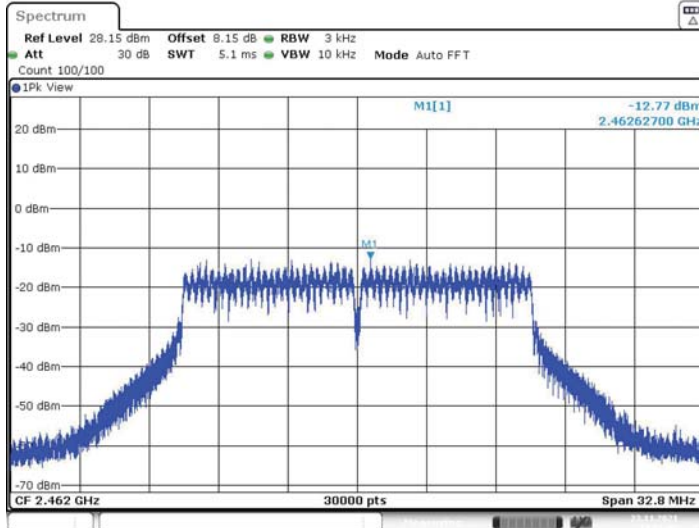


11G\_Ant2\_2437



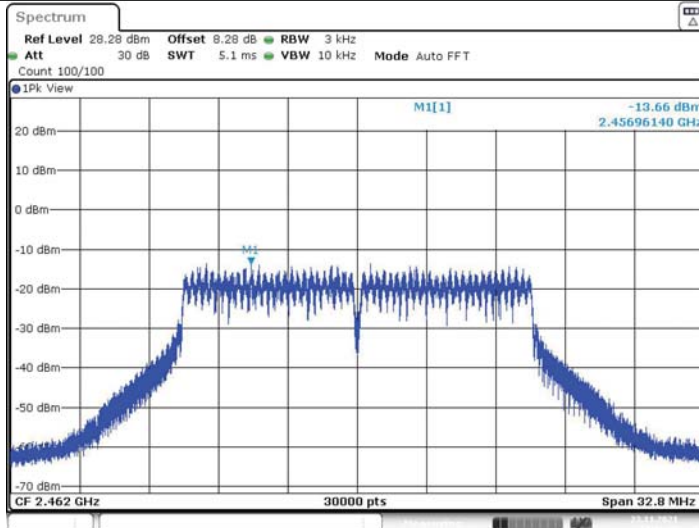
Date: 23.NOV.2021 17:39:33

11G\_Ant1\_2462



Date: 23.NOV.2021 17:21:08

11G\_Ant2\_2462

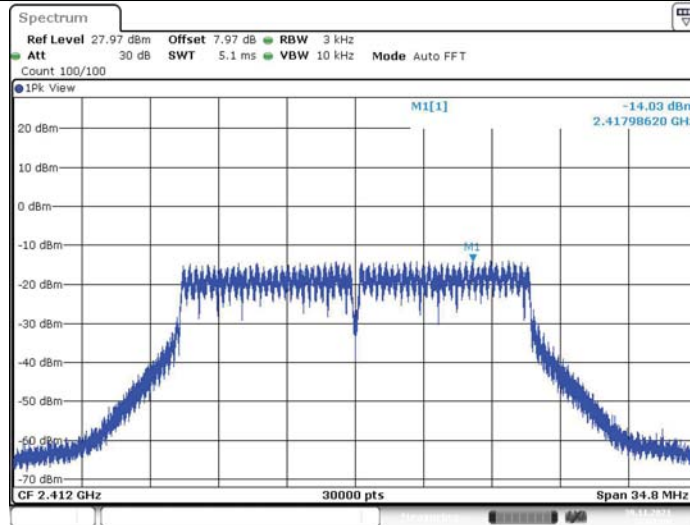


Date: 23.NOV.2021 17:41:38



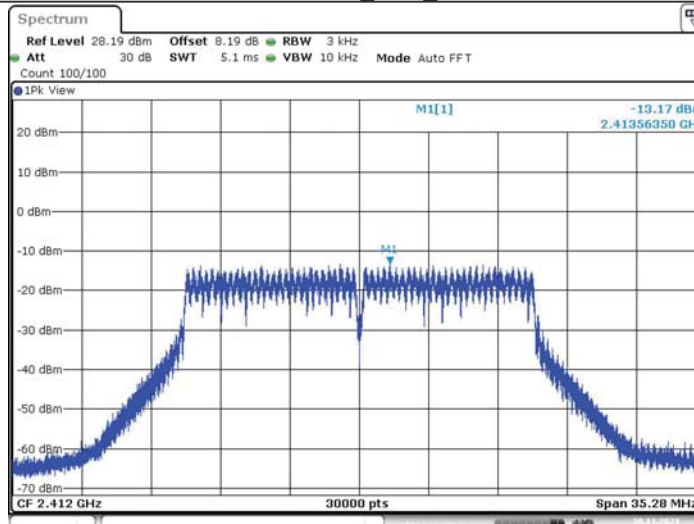


### 11N20MIMO\_Ant1\_2412



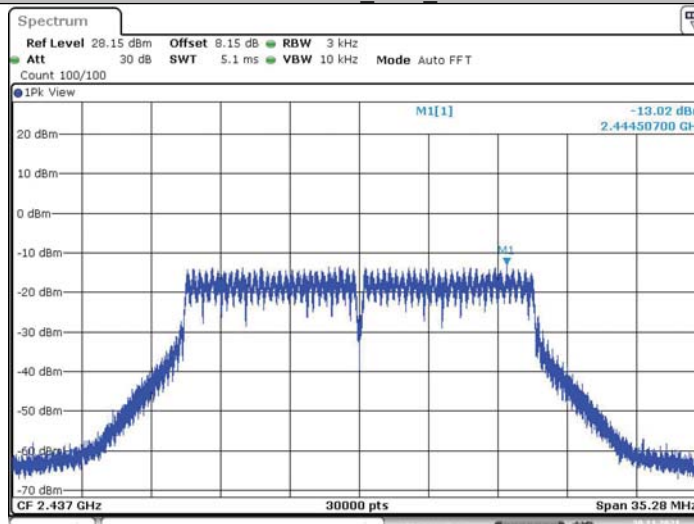
Date: 30.NOV.2021 17:01:45

### 11N20MIMO\_Ant2\_2412



Date: 30.NOV.2021 17:06:00

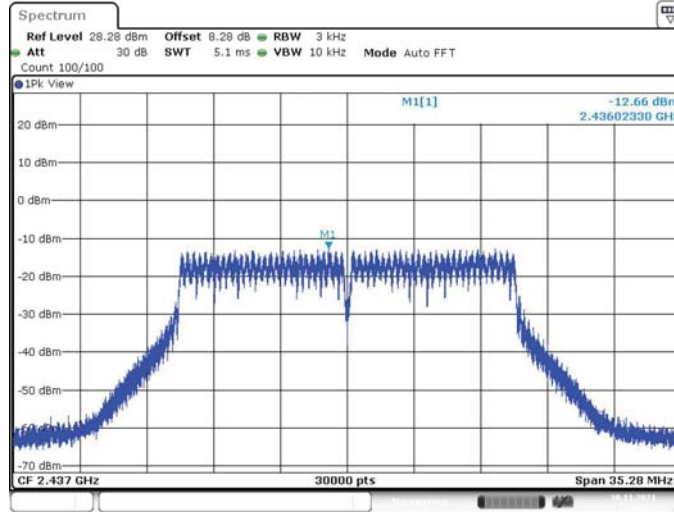
### 11N20MIMO\_Ant1\_2437



Date: 30.NOV.2021 17:08:05

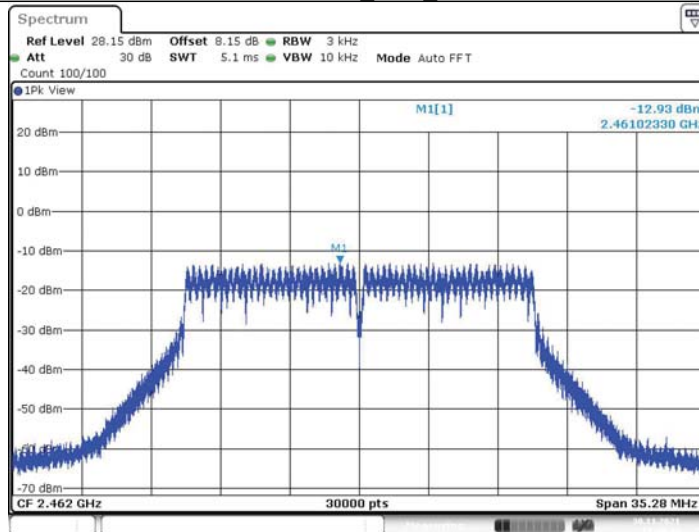


### 11N20MIMO\_Ant2\_2437



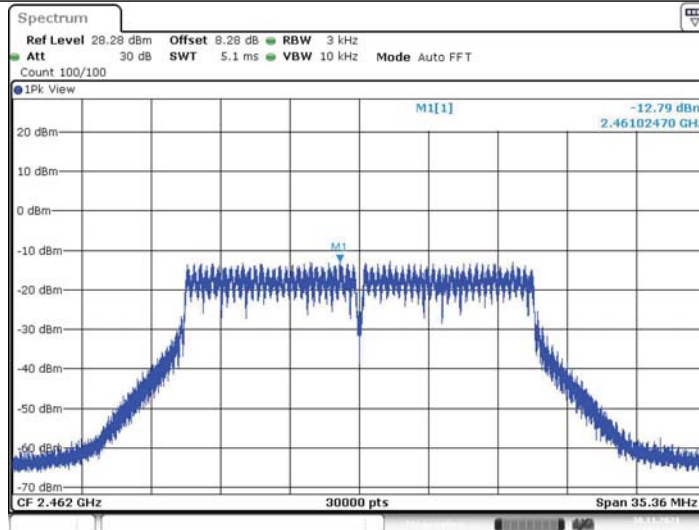
Date: 30.NOV.2021 17:09:27

### 11N20MIMO\_Ant1\_2462



Date: 30.NOV.2021 17:10:33

### 11N20MIMO\_Ant2\_2462



Date: 30.NOV.2021 17:11:12

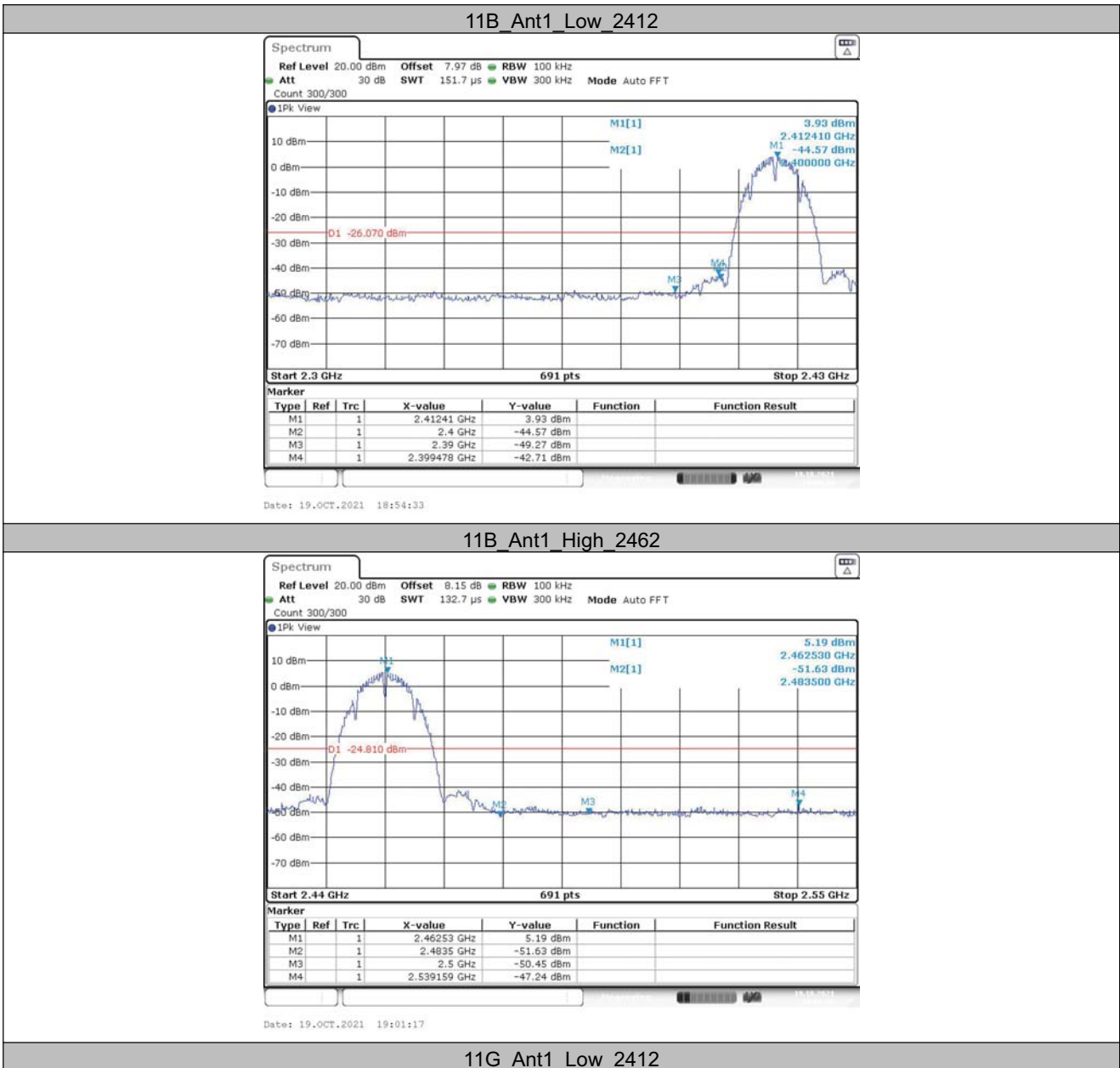


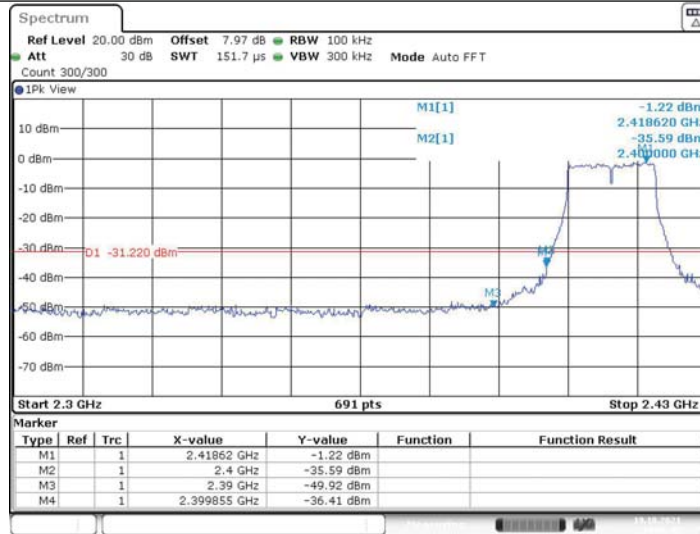
## 6.5 Band edge measurements 6.5.1 Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	3.93	-42.71	≤-26.07	PASS
		High	2462	5.19	-47.24	≤-24.81	PASS
11G	Ant1	Low	2412	-1.22	-36.41	≤-31.22	PASS
		High	2462	-0.97	-46.49	≤-30.97	PASS
11N20SISO	Ant1	Low	2412	-1.26	-37.25	≤-31.26	PASS
		High	2462	-0.56	-45.89	≤-30.56	PASS
11N40SISO	Ant1	Low	2422	-4.14	-39.1	≤-34.14	PASS
		High	2452	-4.26	-43.65	≤-34.26	PASS



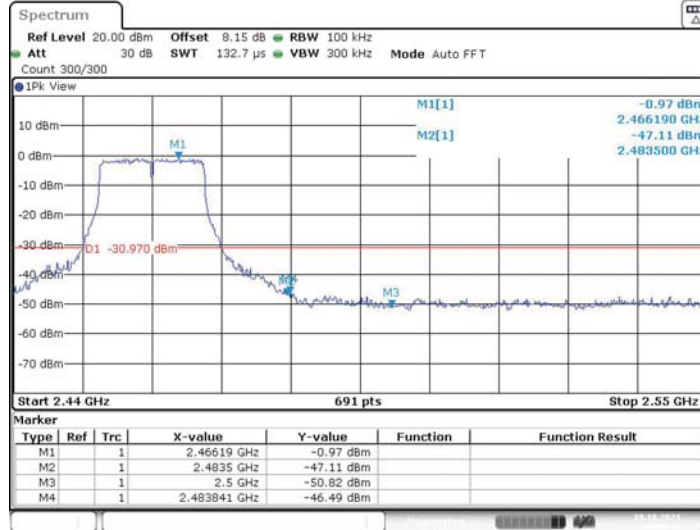
## 6.5.2 Test Graphs





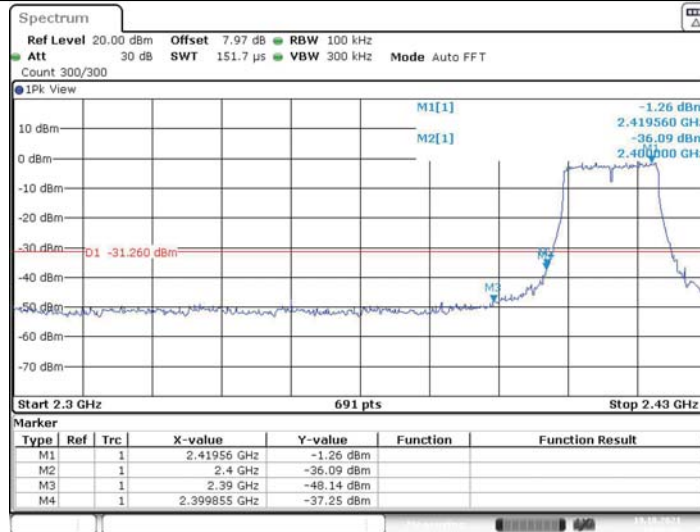
Date: 19.OCT.2021 19:02:47

### 11G\_Ant1\_High\_2462



Date: 19.OCT.2021 19:05:41

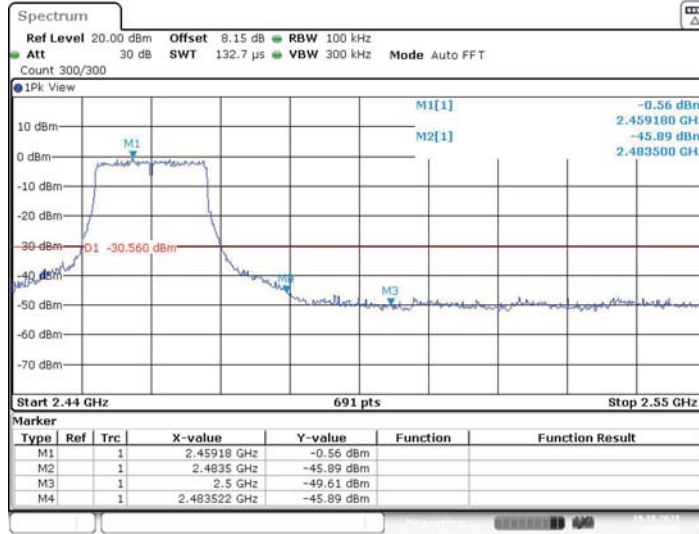
### 11N20SISO\_Ant1\_Low\_2412



Date: 19.OCT.2021 19:07:10

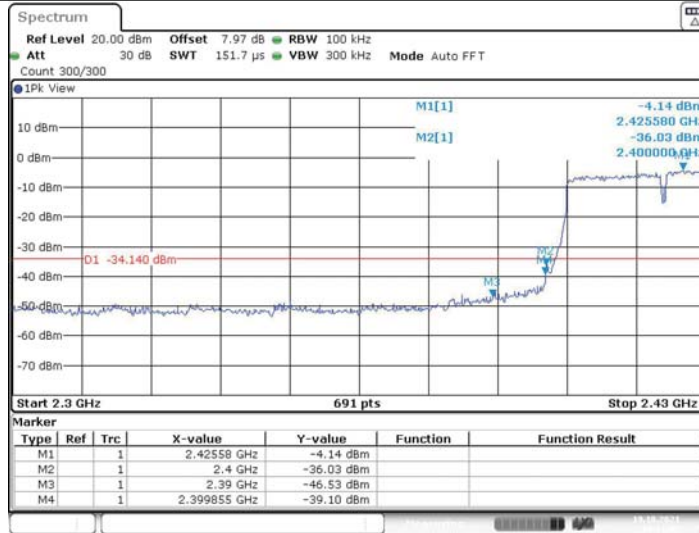


### 11N20SISO\_Ant1\_High\_2462



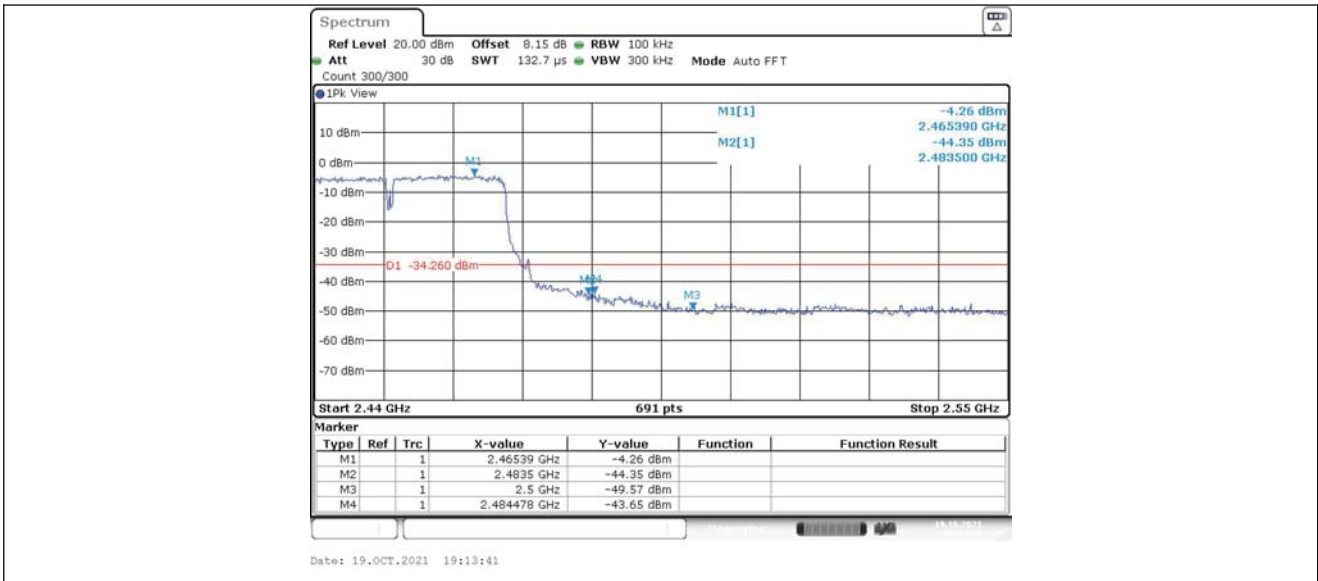
Date: 19.OCT.2021 19:09:43

### 11N40SISO\_Ant1\_Low\_2422



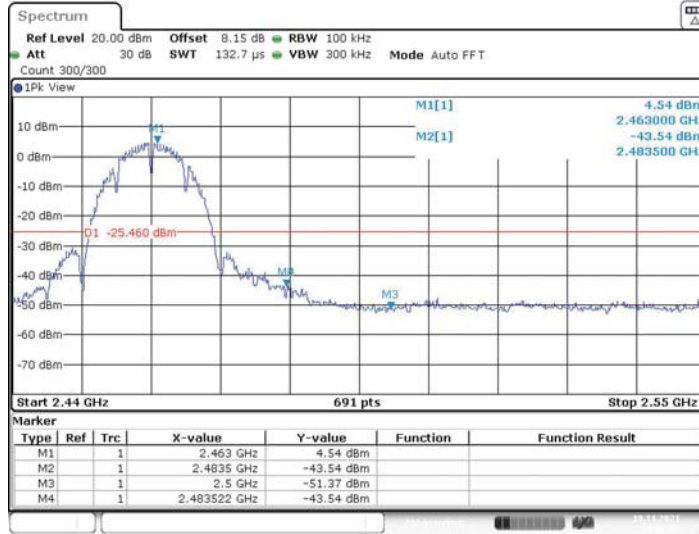
Date: 19.OCT.2021 19:11:08

### 11N40SISO\_Ant1\_High\_2452

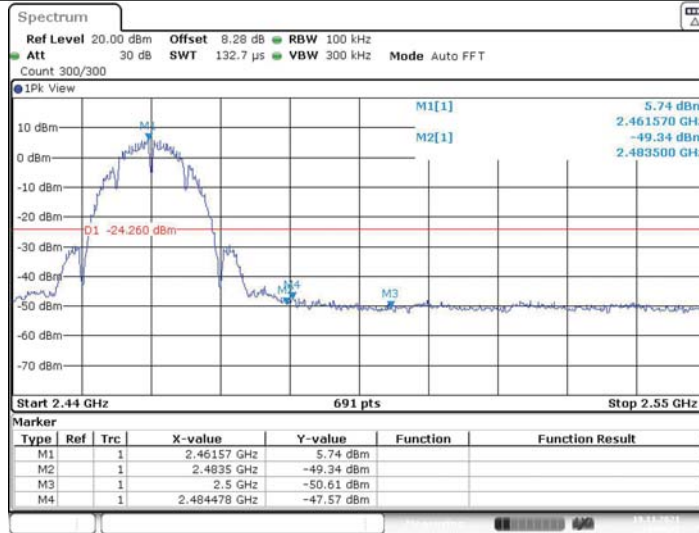




### 11B\_Ant1\_High\_2462



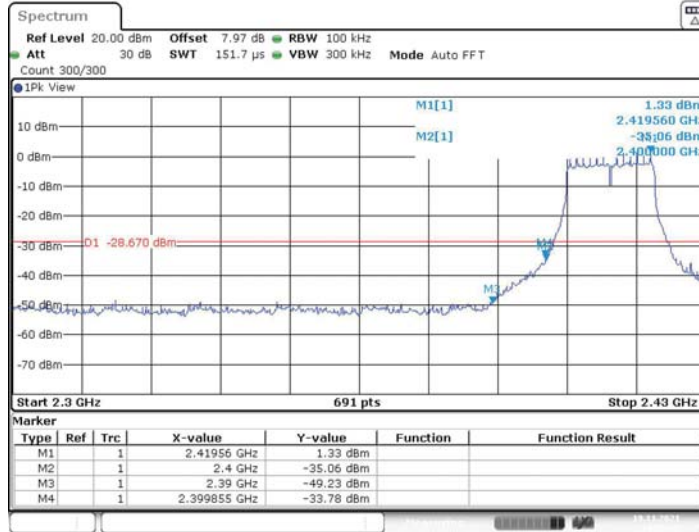
### 11B\_Ant2\_High\_2462



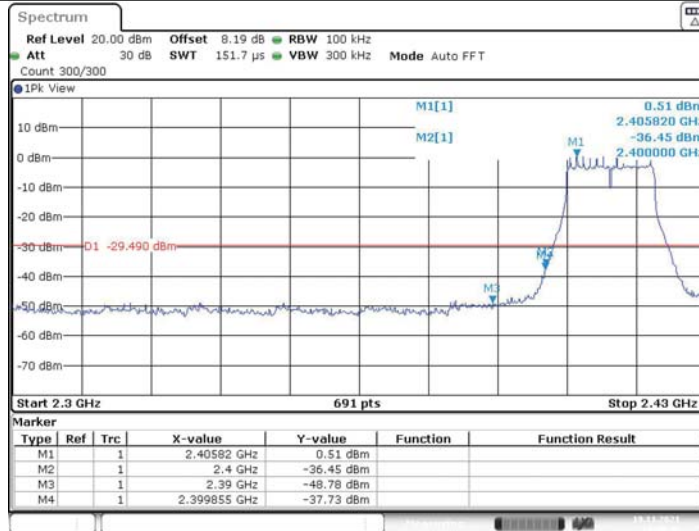




### 11G\_Ant1\_Low\_2412

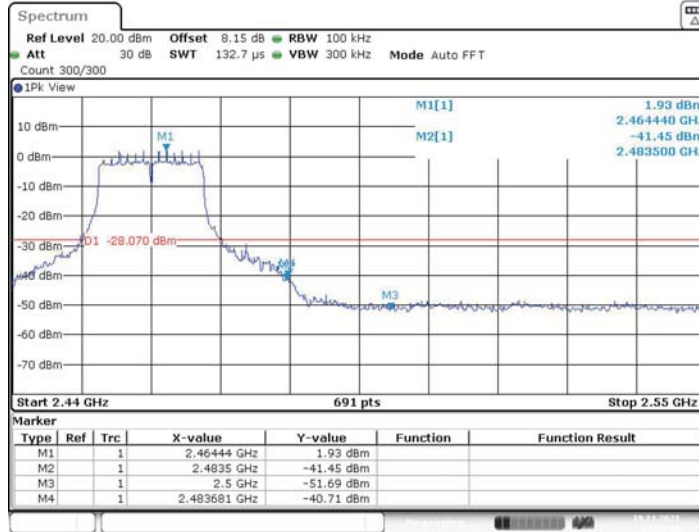


### 11G\_Ant2\_Low\_2412

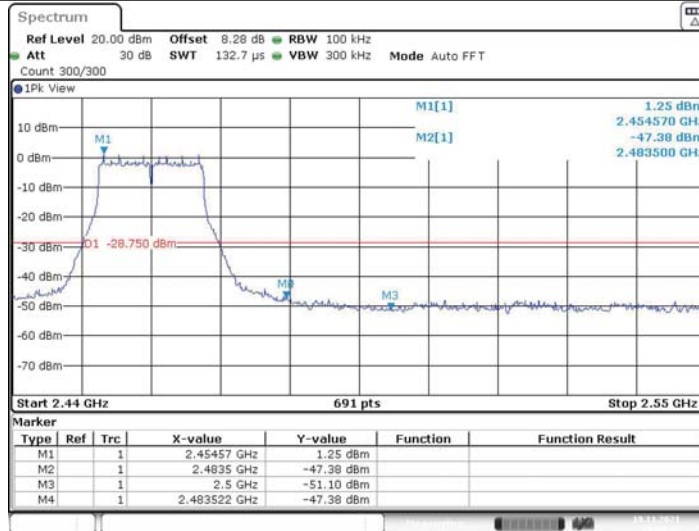




### 11G\_Ant1\_High\_2462

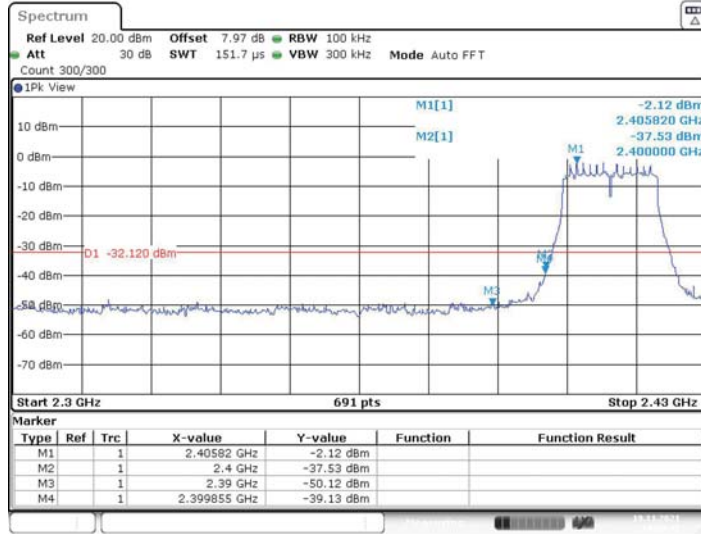


### 11G\_Ant2\_High\_2462

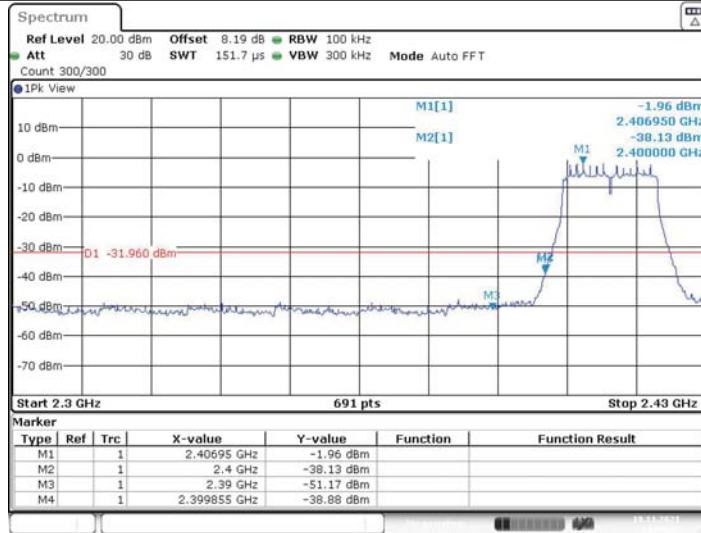




### 11N20MIMO\_Ant1\_Low\_2412

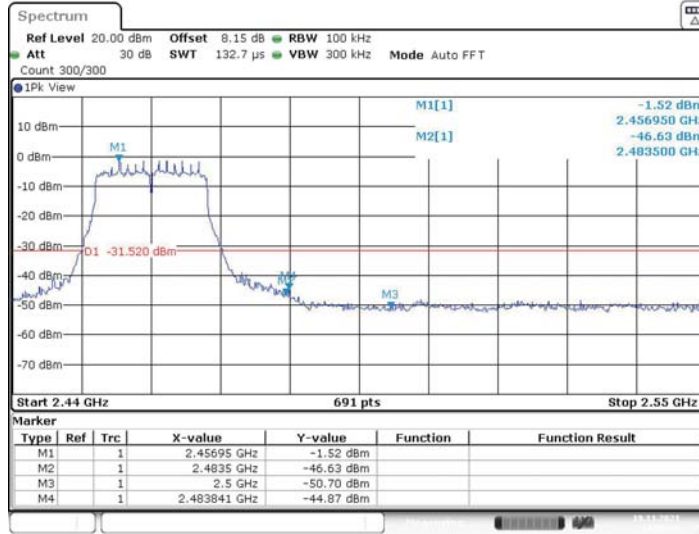


### 11N20MIMO\_Ant2\_Low\_2412



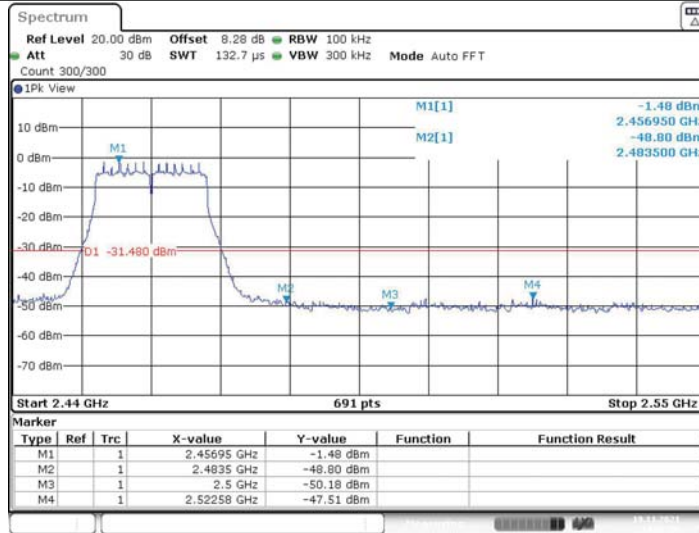


### 11N20MIMO\_Ant1\_High\_2462



Date: 19.NOV.2021 14:35:29

### 11N20MIMO\_Ant2\_High\_2462



Date: 19.NOV.2021 14:37:17



## 6.6 OUT OF BAND EMISSION MEASUREMENT

### 6.6.1 Test Result

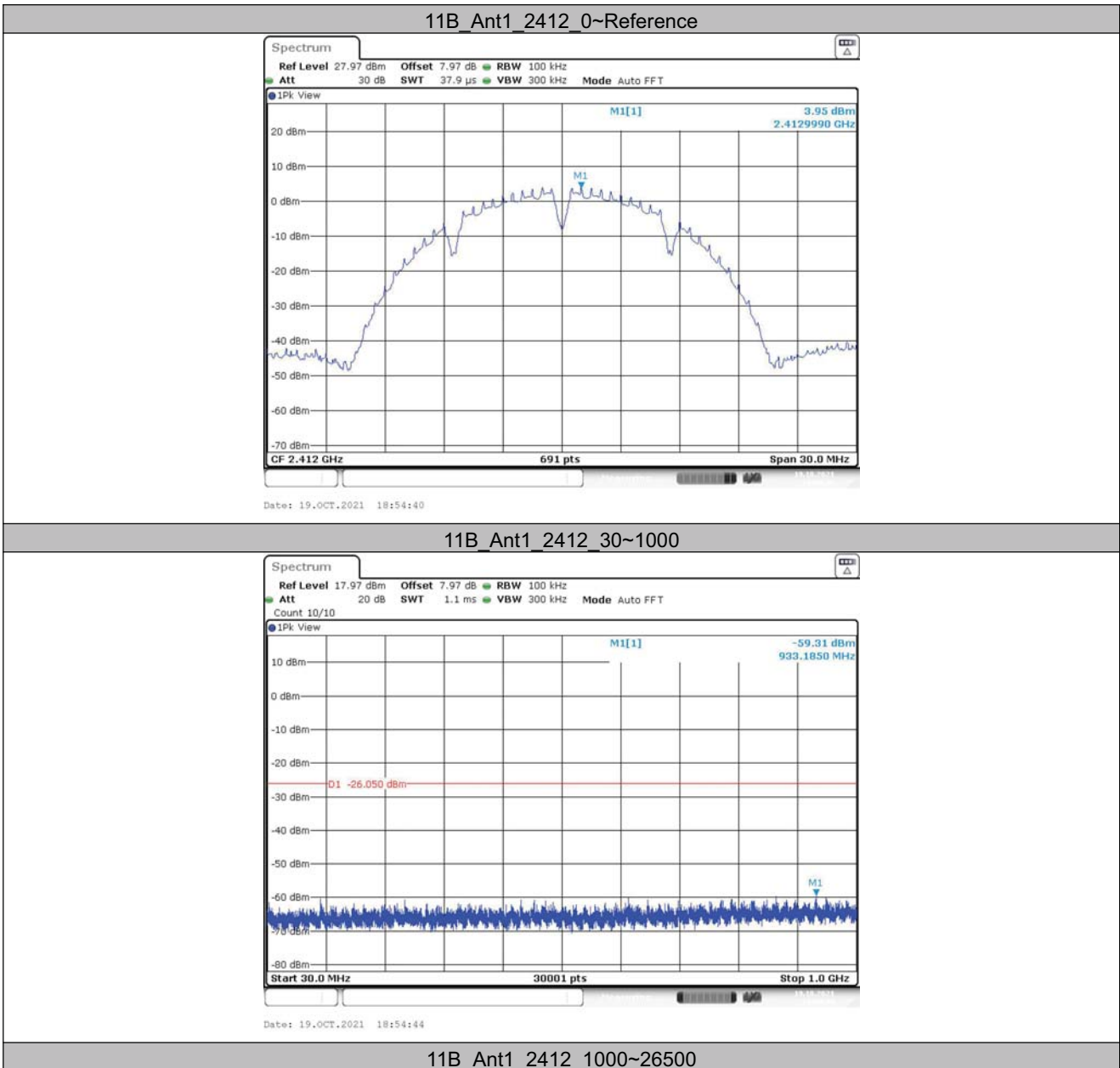
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	3.95	3.95	---	PASS
			30~1000	3.95	-59.31	≤-26.05	PASS
			1000~26500	3.95	-35.59	≤-26.05	PASS
		2437	Reference	4.49	4.49	---	PASS
			30~1000	4.49	-59.79	≤-25.51	PASS
			1000~26500	4.49	-35.43	≤-25.51	PASS
		2462	Reference	5.18	5.18	---	PASS
			30~1000	5.18	-58.87	≤-24.82	PASS
			1000~26500	5.18	-34.39	≤-24.82	PASS
11G	Ant1	2412	Reference	-1.11	-1.11	---	PASS
			30~1000	-1.11	-60.37	≤-31.11	PASS
			1000~26500	-1.11	-45.77	≤-31.11	PASS
		2437	Reference	-1.76	-1.76	---	PASS
			30~1000	-1.76	-58.94	≤-31.76	PASS
			1000~26500	-1.76	-44.28	≤-31.76	PASS
		2462	Reference	-0.94	-0.94	---	PASS
			30~1000	-0.94	-59.54	≤-30.94	PASS
			1000~26500	-0.94	-45.18	≤-30.94	PASS
11N20SISO	Ant1	2412	Reference	-1.29	-1.29	---	PASS
			30~1000	-1.29	-60.3	≤-31.29	PASS
			1000~26500	-1.29	-38.53	≤-31.29	PASS
		2437	Reference	-1.27	-1.27	---	PASS
			30~1000	-1.27	-59.78	≤-31.27	PASS
			1000~26500	-1.27	-39.34	≤-31.27	PASS
		2462	Reference	-0.78	-0.78	---	PASS
			30~1000	-0.78	-59.75	≤-30.78	PASS
			1000~26500	-0.78	-37.97	≤-30.78	PASS
11N40SISO	Ant1	2422	Reference	-4.27	-4.27	---	PASS
			30~1000	-4.27	-58.68	≤-34.27	PASS
			1000~26500	-4.27	-38.96	≤-34.27	PASS
		2437	Reference	-4.90	-4.90	---	PASS
			30~1000	-4.90	-60.21	≤-34.9	PASS
			1000~26500	-4.90	-47.61	≤-34.9	PASS
		2452	Reference	-4.37	-4.37	---	PASS
			30~1000	-4.37	-59.45	≤-34.37	PASS
			1000~26500	-4.37	-46.34	≤-34.37	PASS

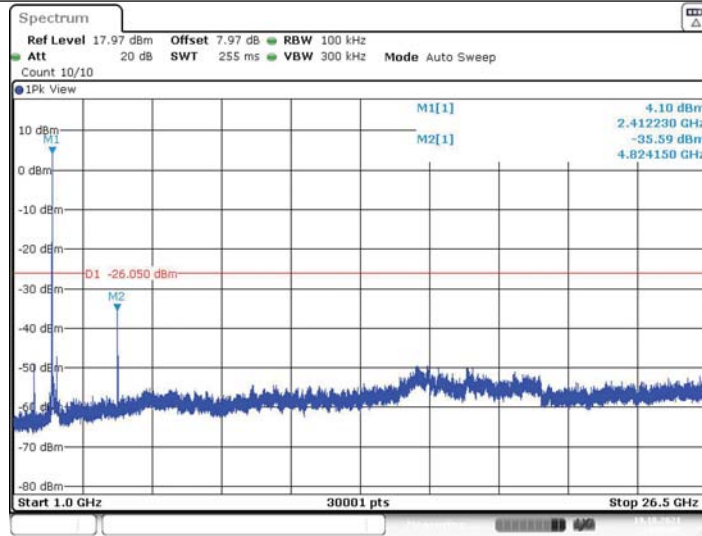


11N20MIMO	Ant1	2412	Reference	-1.63	-1.63	---	PASS
			30~1000	-1.63	-60.43	$\leq -31.63$	PASS
			1000~26500	-1.63	-49.62	$\leq -31.63$	PASS
	Ant2	2412	Reference	-1.61	-1.61	---	PASS
			30~1000	-1.61	-60.02	$\leq -31.61$	PASS
			1000~26500	-1.61	-48.2	$\leq -31.61$	PASS
	Ant1	2437	Reference	-2.24	-2.24	---	PASS
			30~1000	-2.24	-59.53	$\leq -32.24$	PASS
			1000~26500	-2.24	-49.05	$\leq -32.24$	PASS
	Ant2	2437	Reference	-0.89	-0.89	---	PASS
			30~1000	-0.89	-59.42	$\leq -30.89$	PASS
			1000~26500	-0.89	-48.78	$\leq -30.89$	PASS
	Ant1	2462	Reference	-1.50	-1.50	---	PASS
			30~1000	-1.50	-59.1	$\leq -31.5$	PASS
			1000~26500	-1.50	-47.58	$\leq -31.5$	PASS
	Ant2	2462	Reference	-1.14	-1.14	---	PASS
			30~1000	-1.14	-58.53	$\leq -31.14$	PASS
			1000~26500	-1.14	-48.76	$\leq -31.14$	PASS



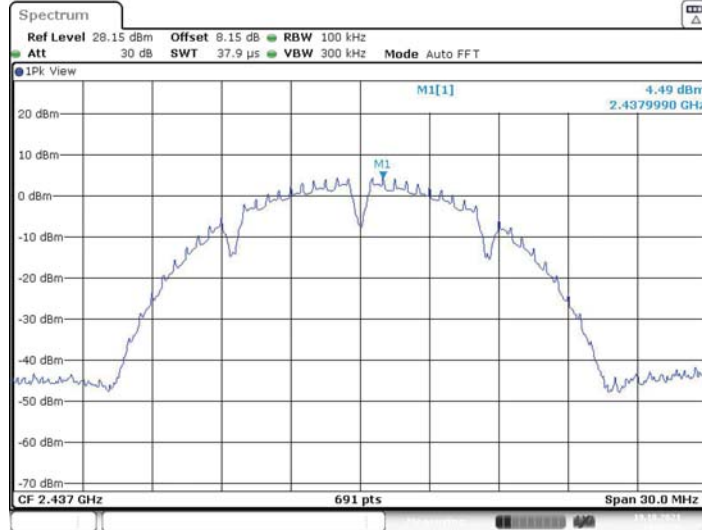
6.6.2 Test Graphs





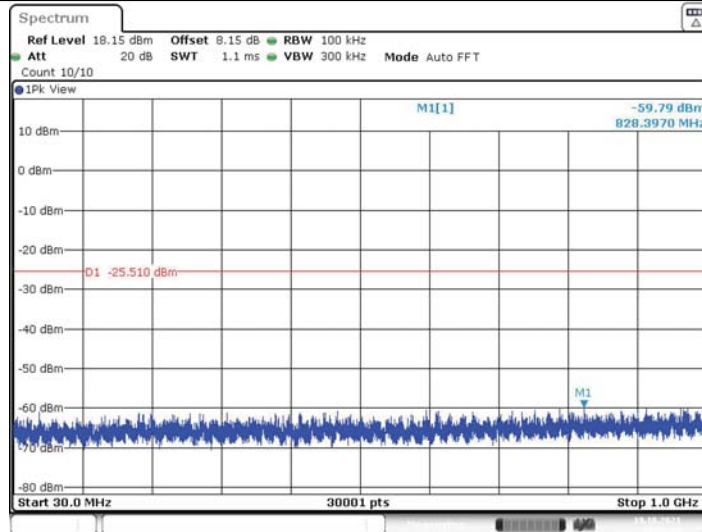
Date: 19.OCT.2021 18:55:06

### 11B\_Ant1\_2437\_0~Reference



Date: 19.OCT.2021 18:57:29

### 11B\_Ant1\_2437\_30~1000

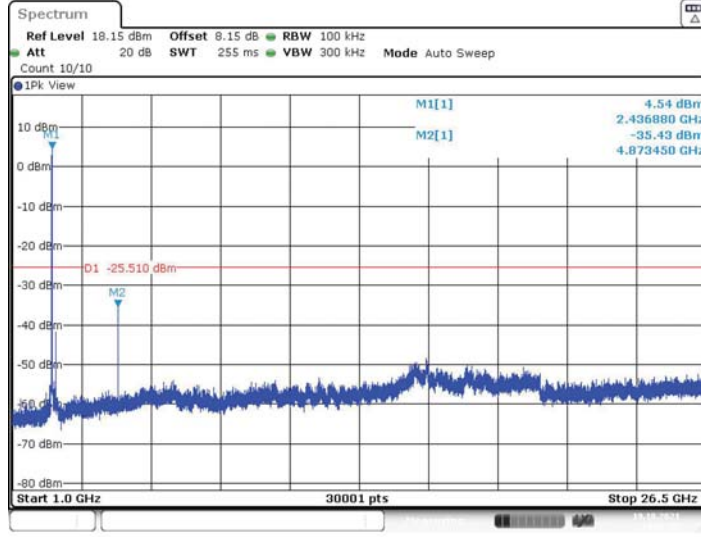


Date: 19.OCT.2021 18:57:33



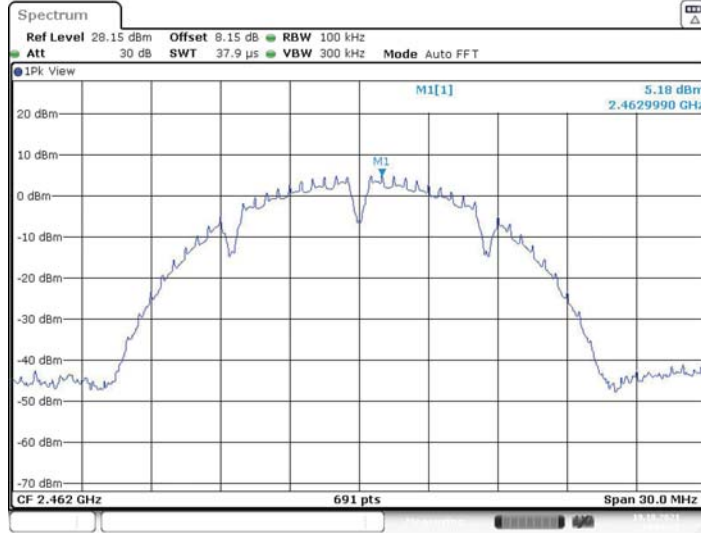


### 11B\_Ant1\_2437\_1000~26500



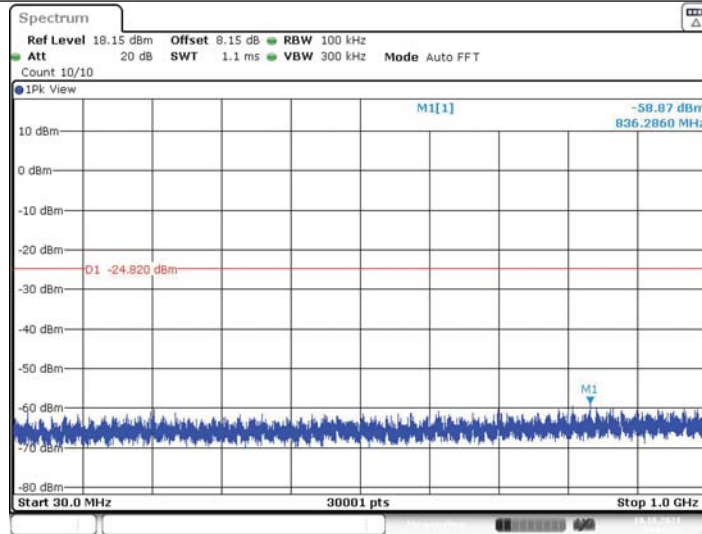
Date: 19.OCT.2021 18:57:55

### 11B\_Ant1\_2462\_0~Reference

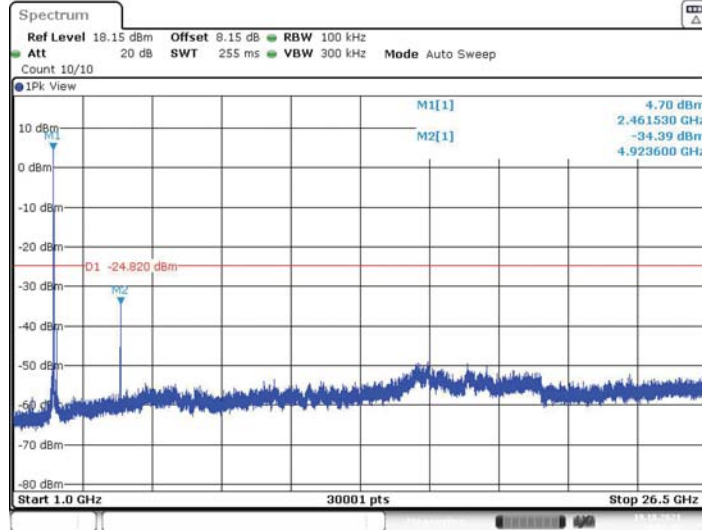


Date: 19.OCT.2021 19:01:22

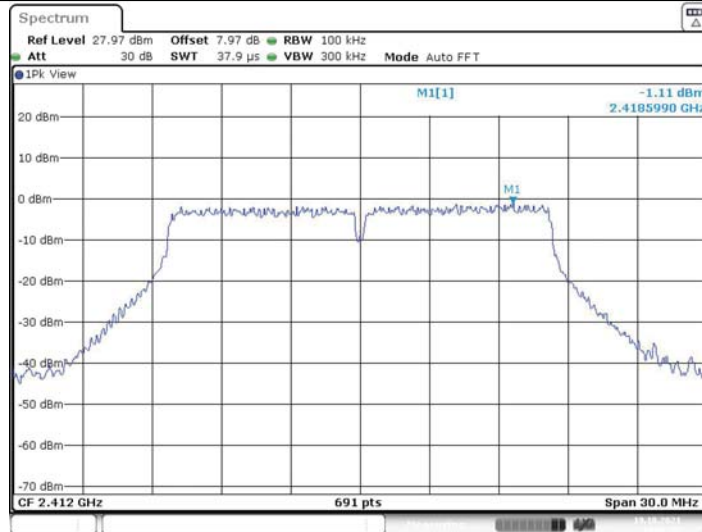
### 11B\_Ant1\_2462\_30~1000



11B\_Ant1\_2462\_1000~26500

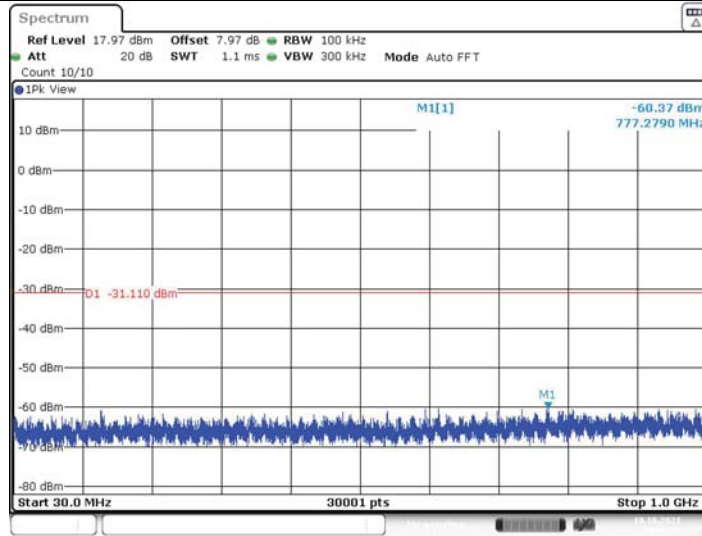


11G\_Ant1\_2412\_0~Reference

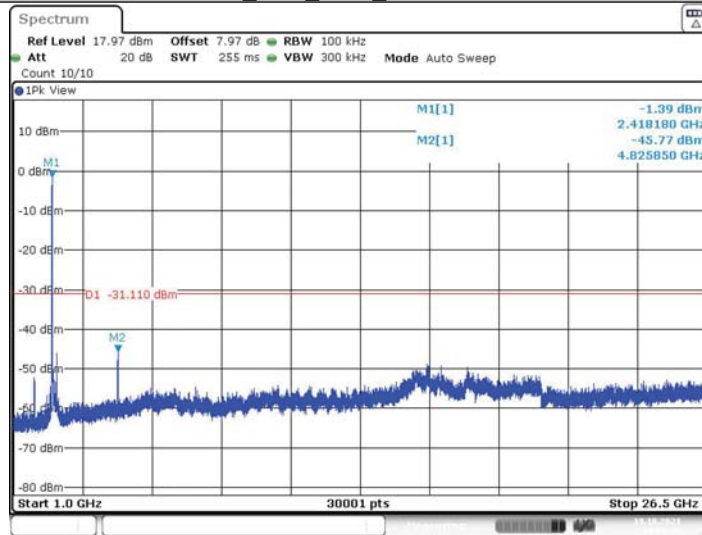




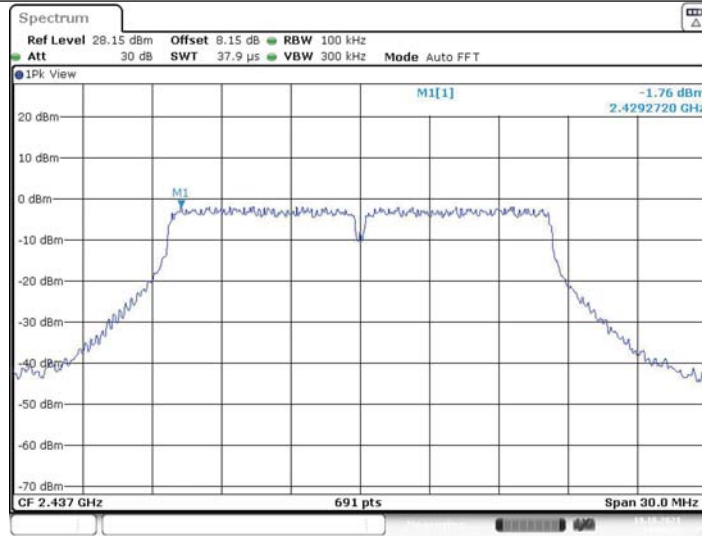
### 11G\_Ant1\_2412\_30~1000



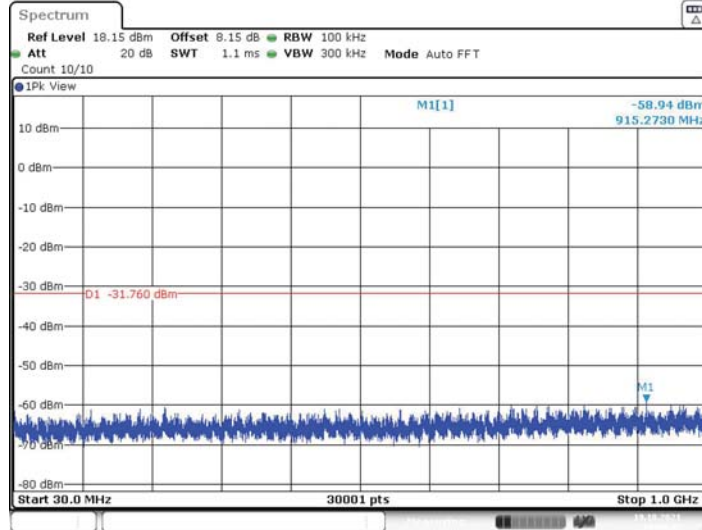
### 11G\_Ant1\_2412\_1000~26500



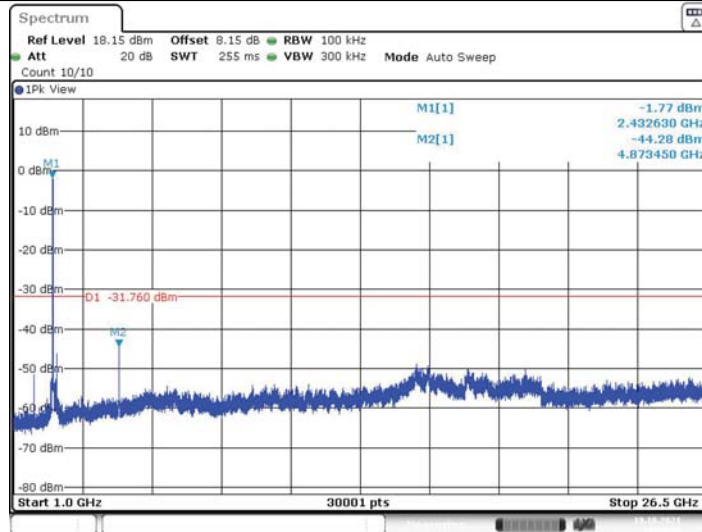
### 11G\_Ant1\_2437\_0~Reference



11G Ant1\_2437 30~1000

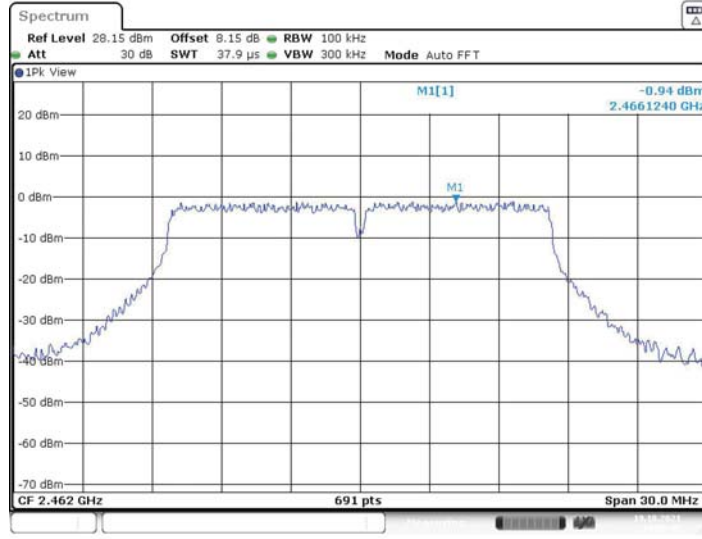


11G Ant1\_2437 1000~26500



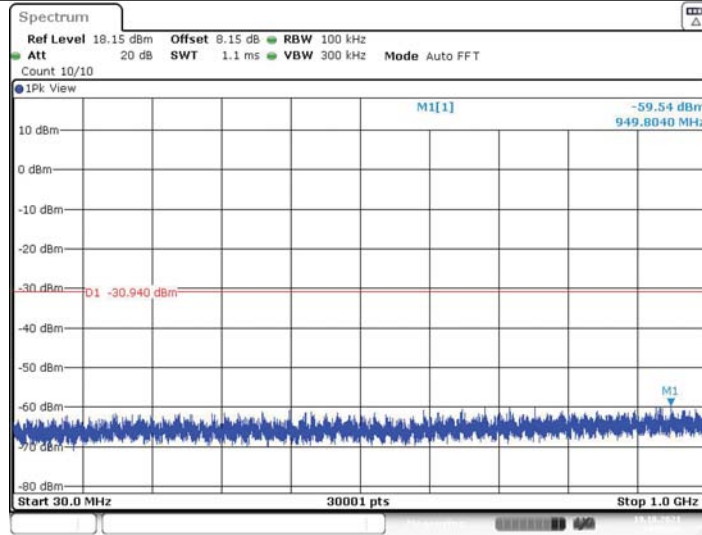


### 11G\_Ant1\_2462\_0~Reference



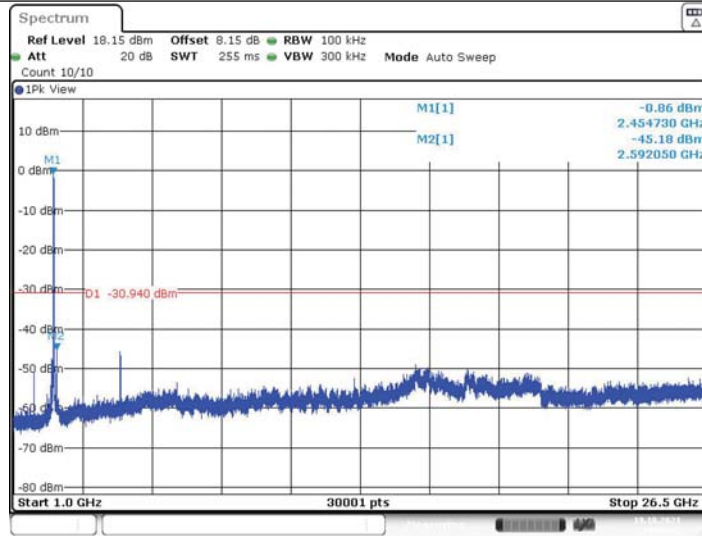
Date: 19.OCT.2021 19:05:46

### 11G\_Ant1\_2462\_30~1000



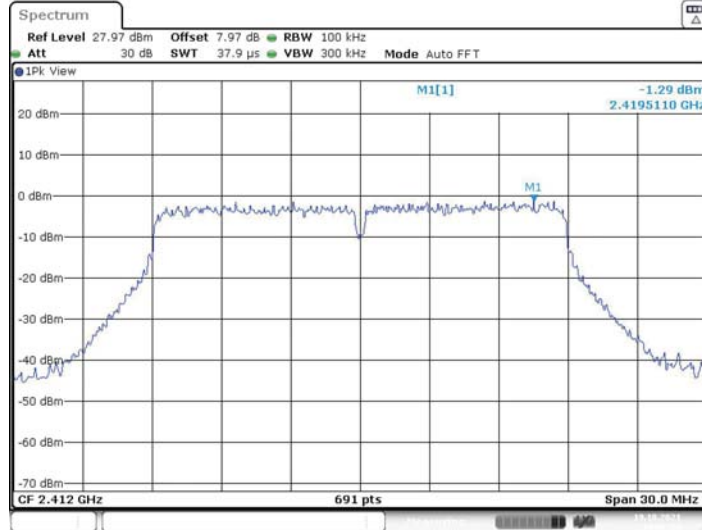
Date: 19.OCT.2021 19:05:50

### 11G\_Ant1\_2462\_1000~26500



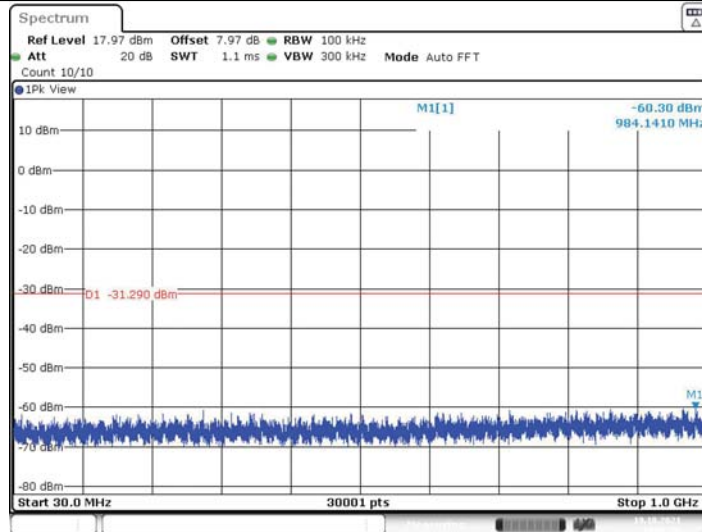
Date: 19.OCT.2021 19:06:12

### 11N20SISO\_Ant1\_2412\_0~Reference



Date: 19.OCT.2021 19:07:15

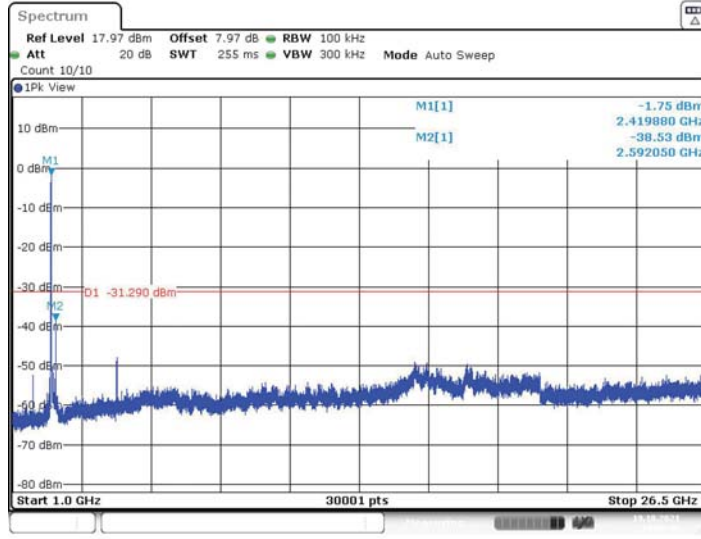
### 11N20SISO\_Ant1\_2412\_30~1000



Date: 19.OCT.2021 19:07:19

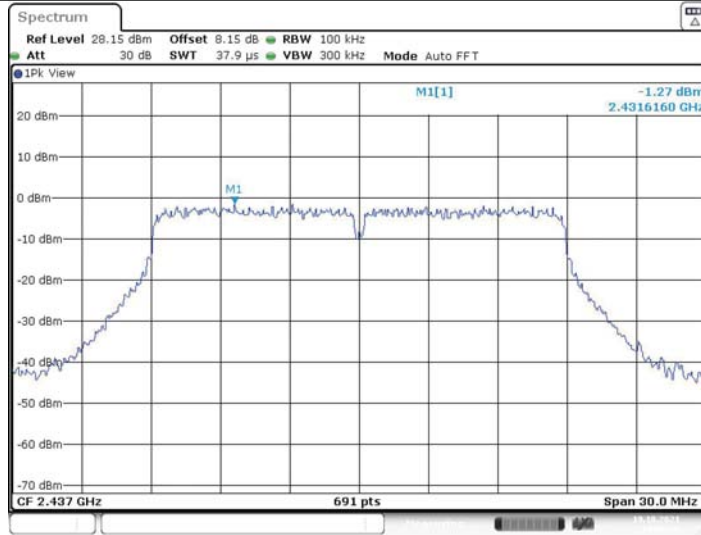


### 11N20SISO\_Ant1\_2412\_1000~26500



Date: 19.OCT.2021 19:07:41

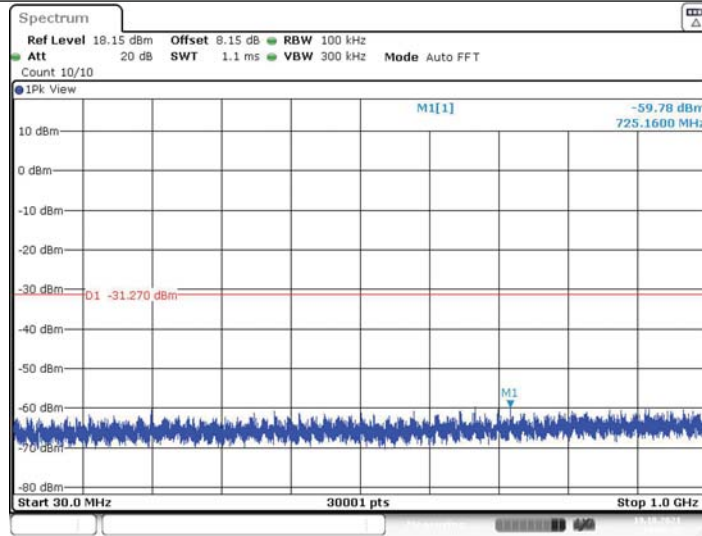
### 11N20SISO\_Ant1\_2437\_0~Reference



Date: 19.OCT.2021 19:08:28

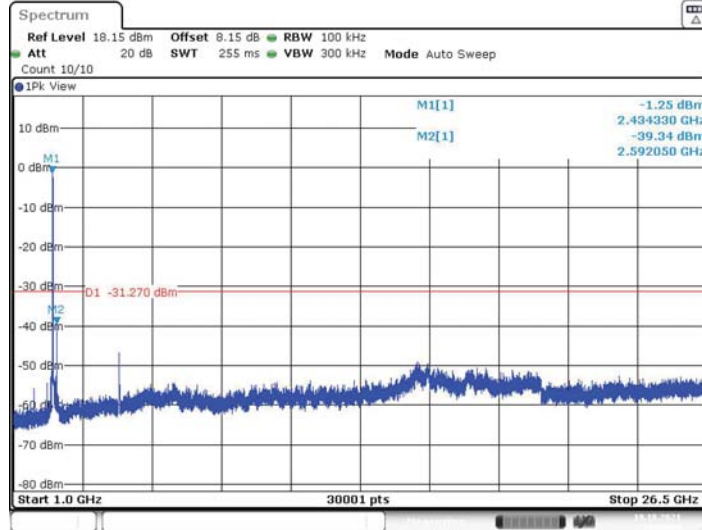
### 11N20SISO\_Ant1\_2437\_30~1000





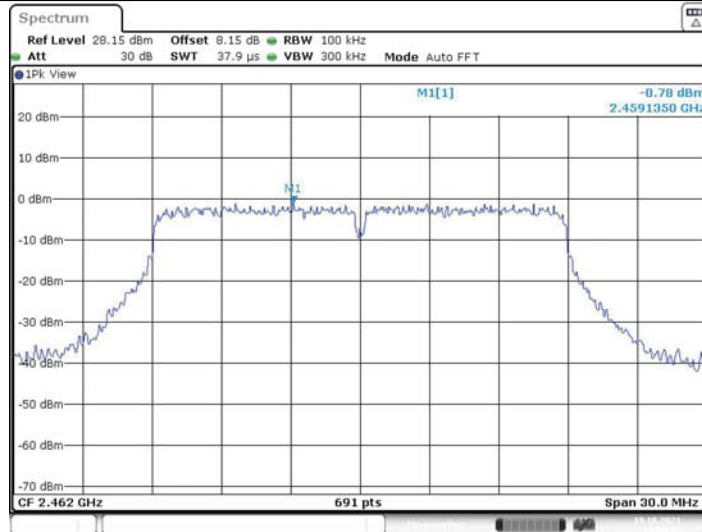
Date: 19.OCT.2021 19:08:33

11N20SISO Ant1 2437\_1000~26500



Date: 19.OCT.2021 19:08:54

11N20SISO Ant1 2462\_0~Reference

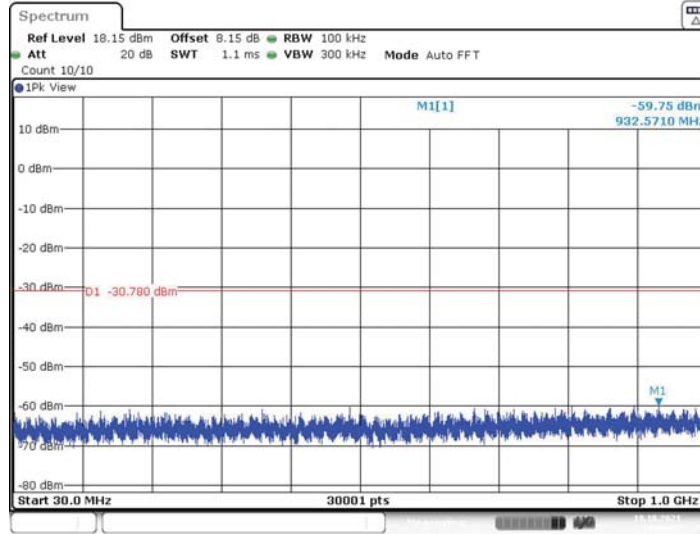


Date: 19.OCT.2021 19:09:48



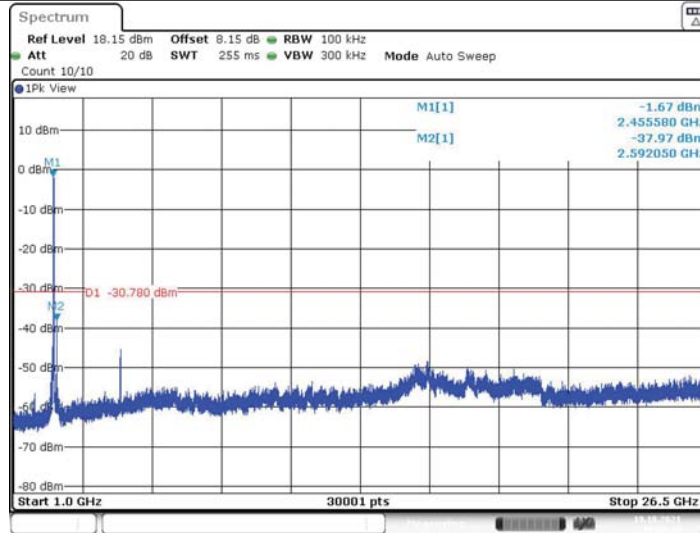


### 11N20SISO\_Ant1\_2462\_30~1000



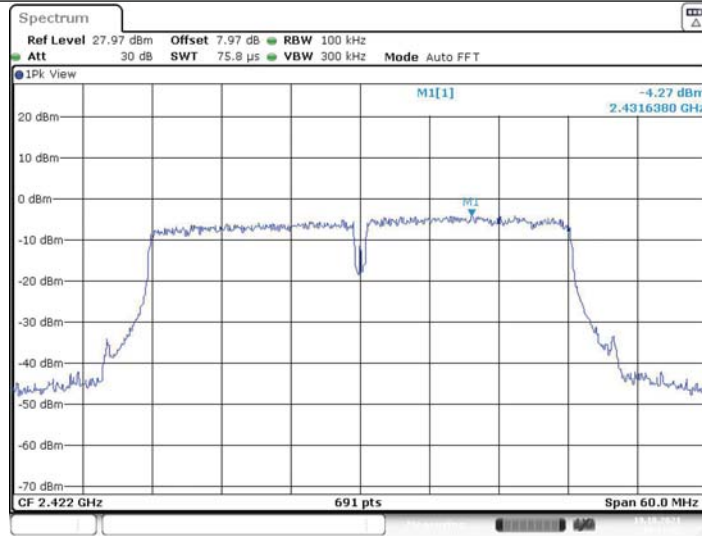
Date: 19.OCT.2021 19:09:53

### 11N20SISO\_Ant1\_2462\_1000~26500



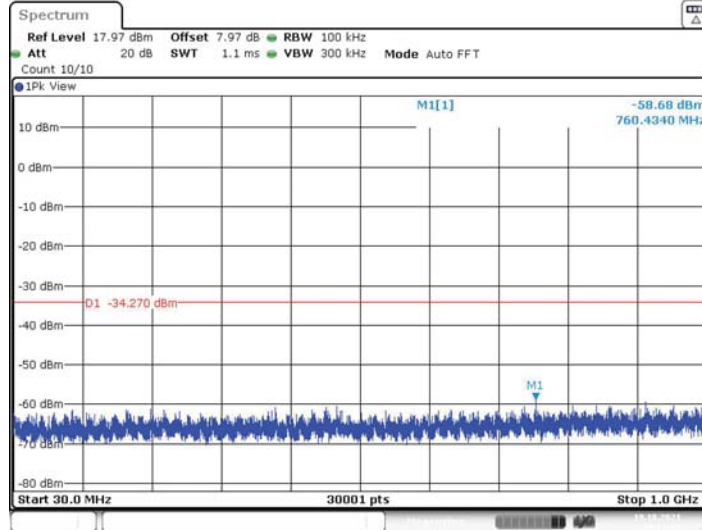
Date: 19.OCT.2021 19:10:14

### 11N40SISO\_Ant1\_2422\_0~Reference



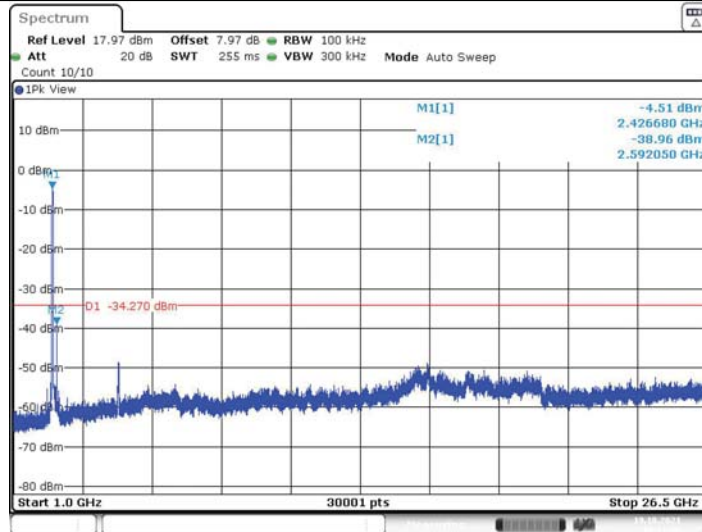
Date: 19.OCT.2021 19:11:13

### 11N40SISO\_Ant1\_2422\_30~1000



Date: 19.OCT.2021 19:11:17

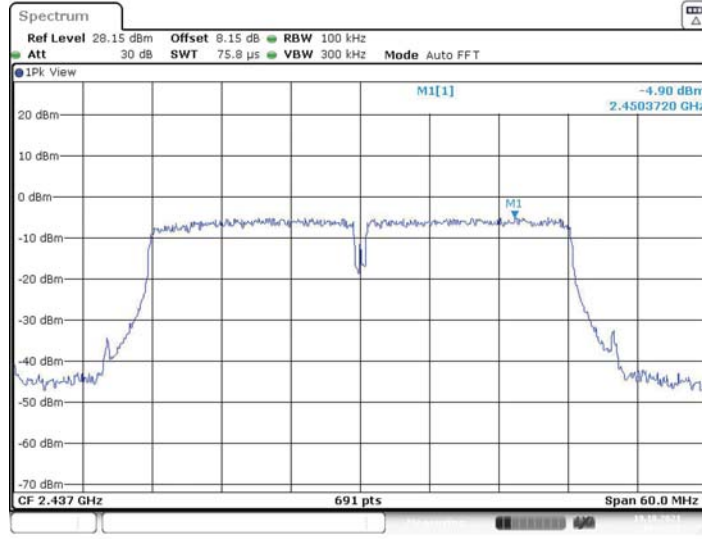
### 11N40SISO\_Ant1\_2422\_1000~26500



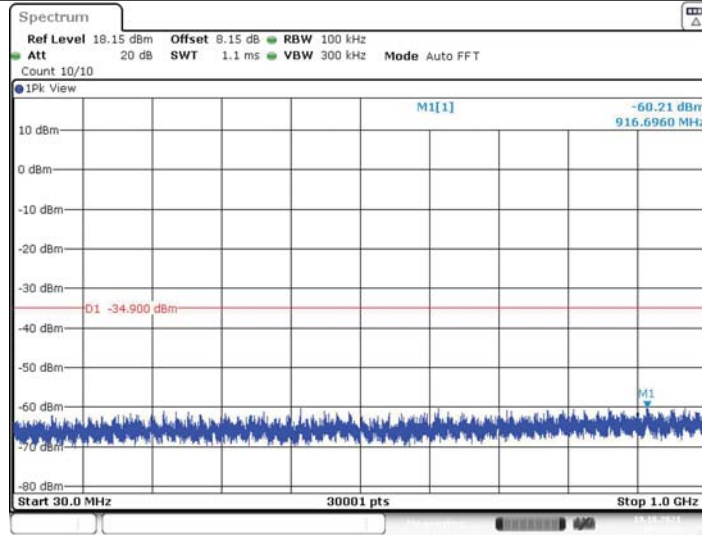
Date: 19.OCT.2021 19:11:39



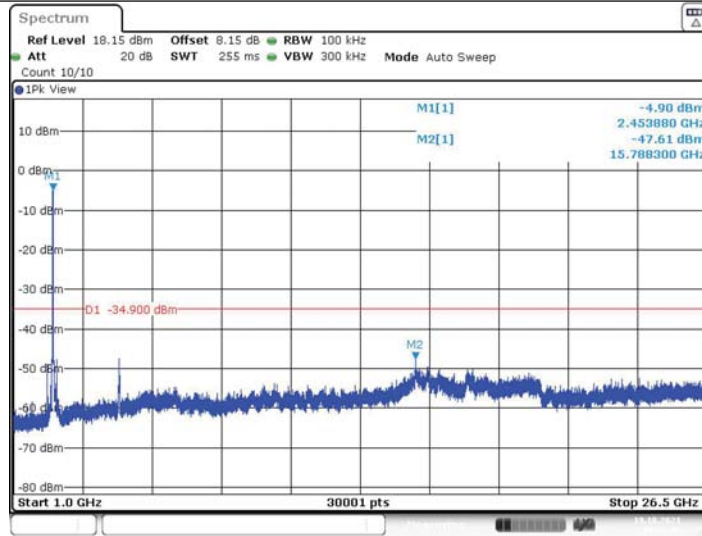
11N40SISO\_Ant1\_2437\_0~Reference



11N40SISO\_Ant1\_2437\_30~1000

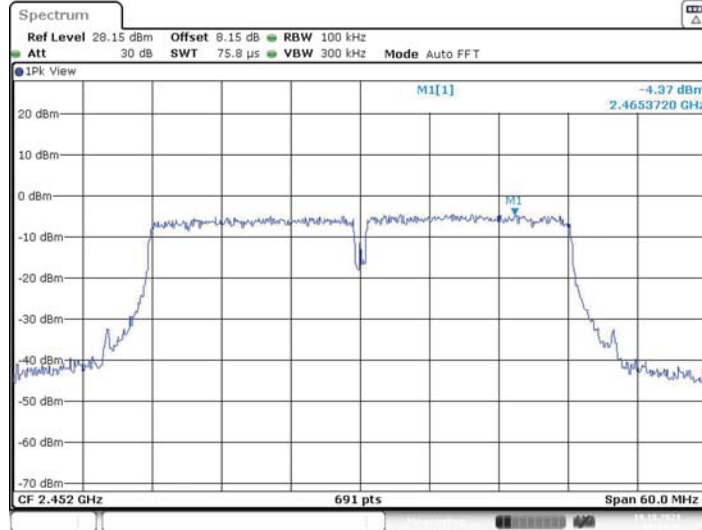


11N40SISO\_Ant1\_2437\_1000~26500



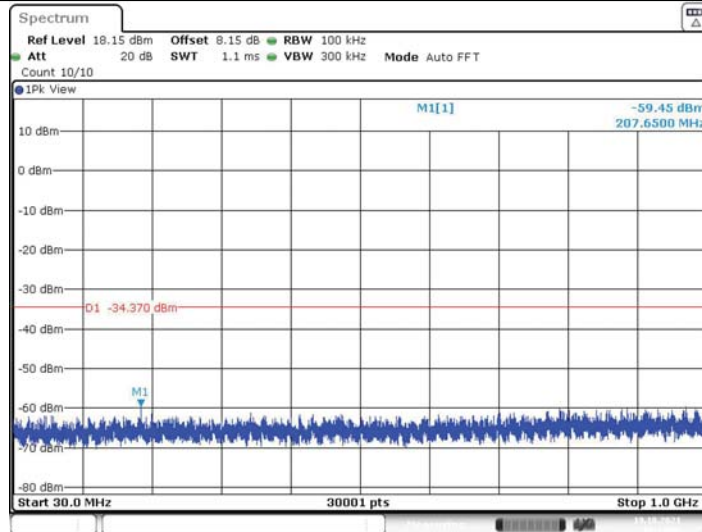
Date: 19.OCT.2021 19:12:48

### 11N40SISO\_Ant1\_2452\_0~Reference

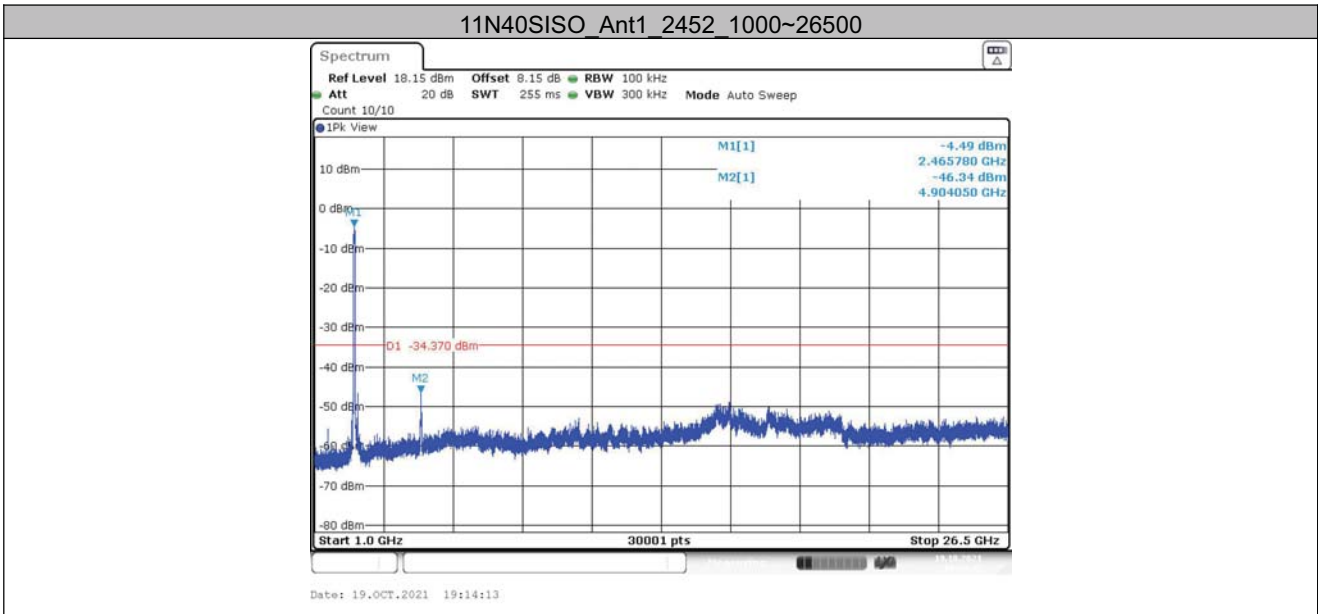


Date: 19.OCT.2021 19:13:47

### 11N40SISO\_Ant1\_2452\_30~1000

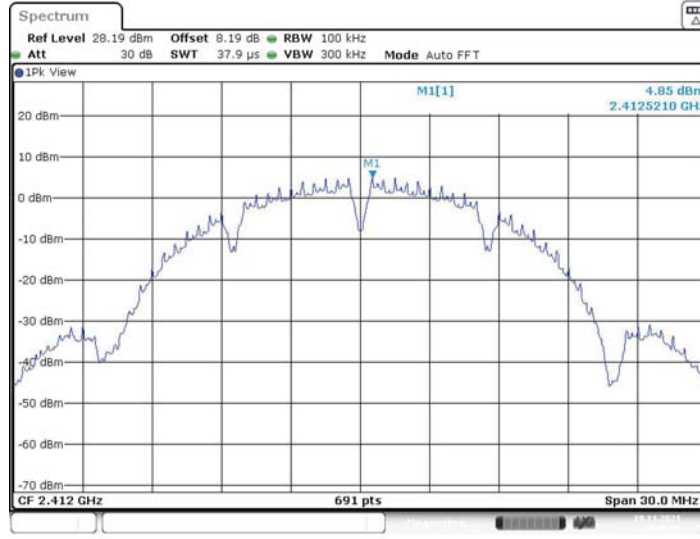


Date: 19.OCT.2021 19:13:51

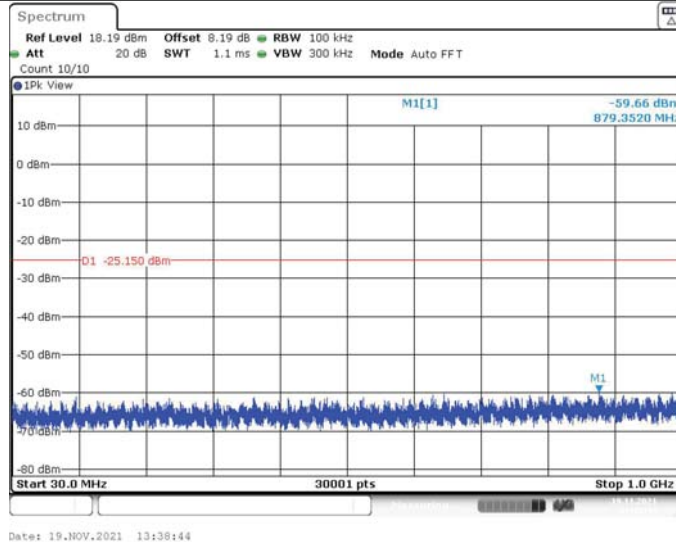




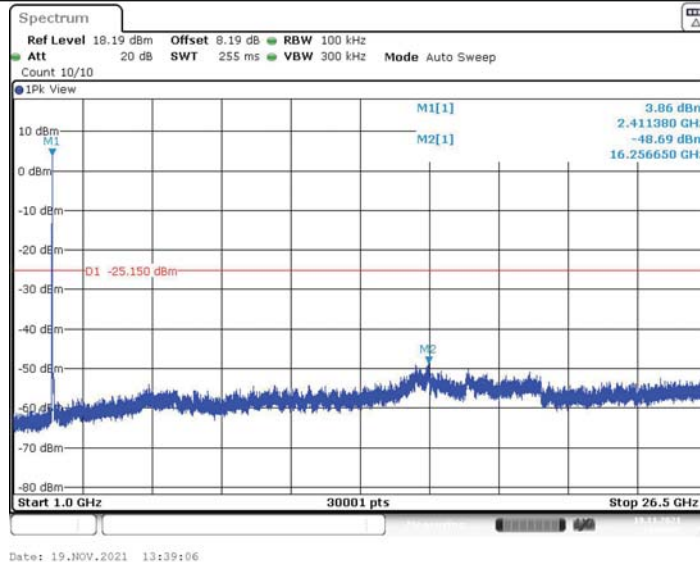
### 11B\_Ant2\_2412\_0~Reference



### 11B\_Ant2\_2412\_30~1000

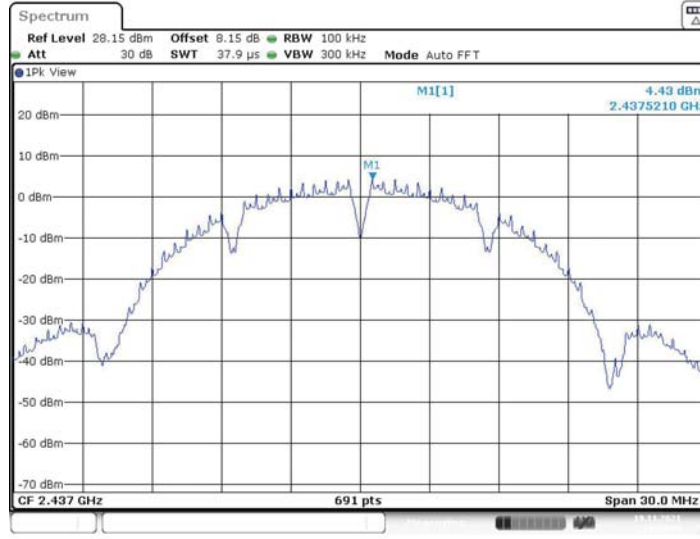


### 11B\_Ant2\_2412\_1000~26500

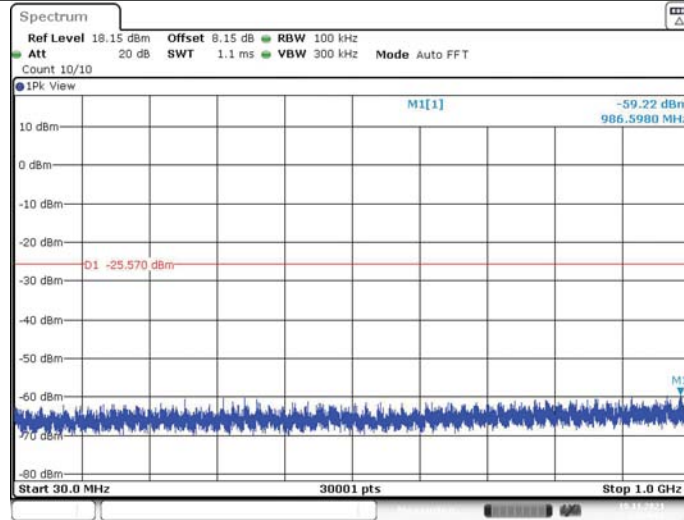




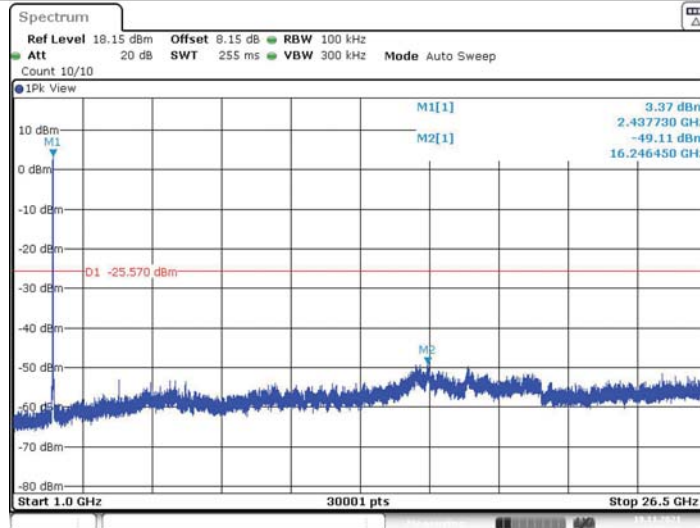
### 11B\_Ant1\_2437\_0~Reference



### 11B\_Ant1\_2437\_30~1000



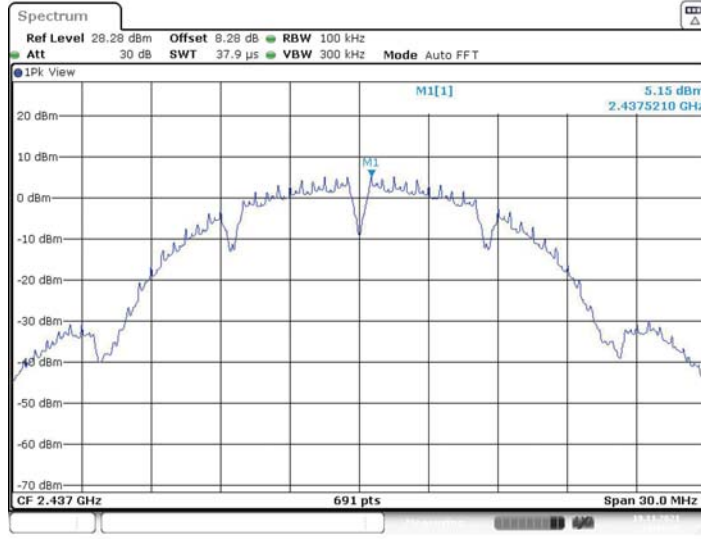
### 11B\_Ant1\_2437\_1000~26500





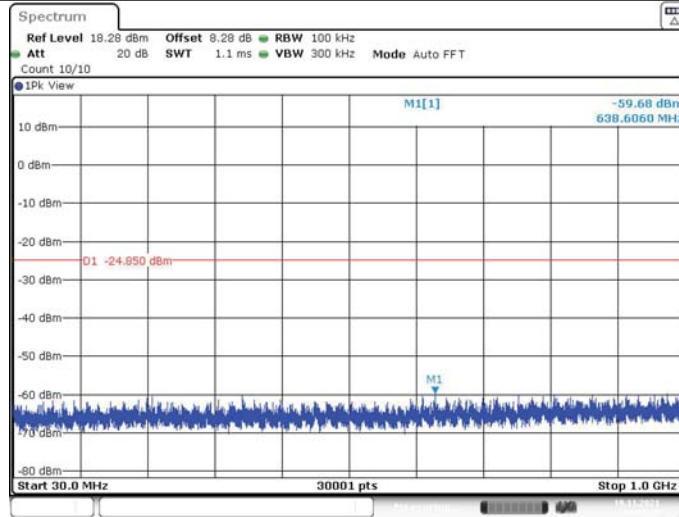


### 11B\_Ant2\_2437\_0~Reference



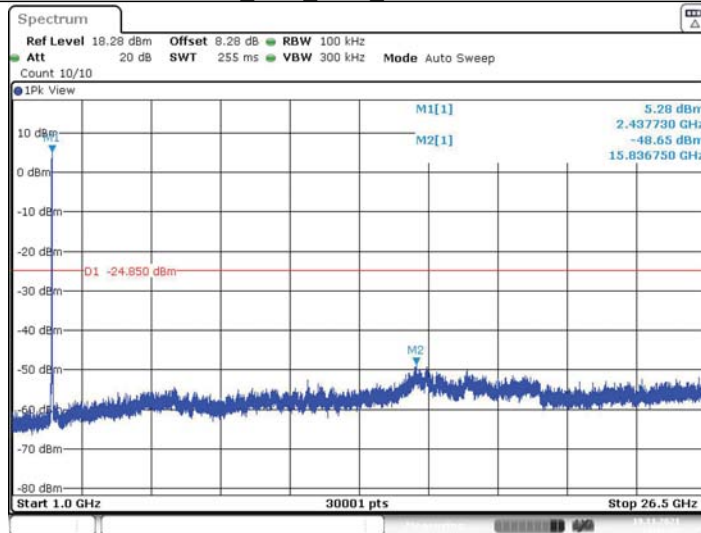
Date: 19.NOV.2021 13:41:26

### 11B\_Ant2\_2437\_30~1000



Date: 19.NOV.2021 13:41:30

### 11B\_Ant2\_2437\_1000~26500

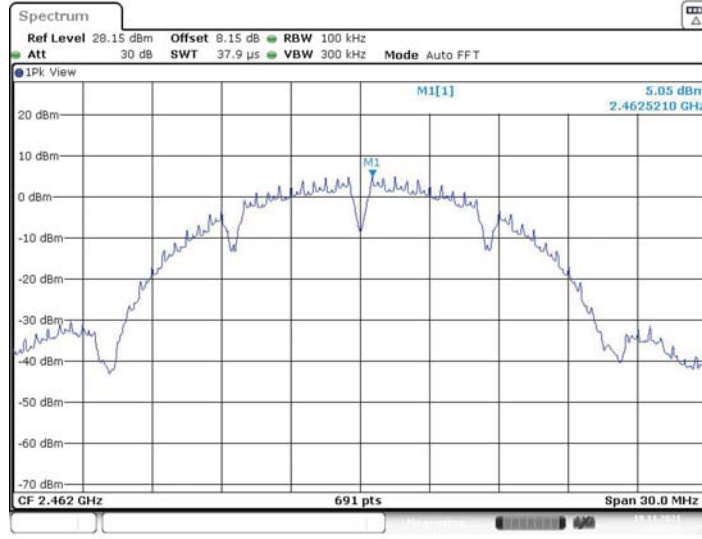


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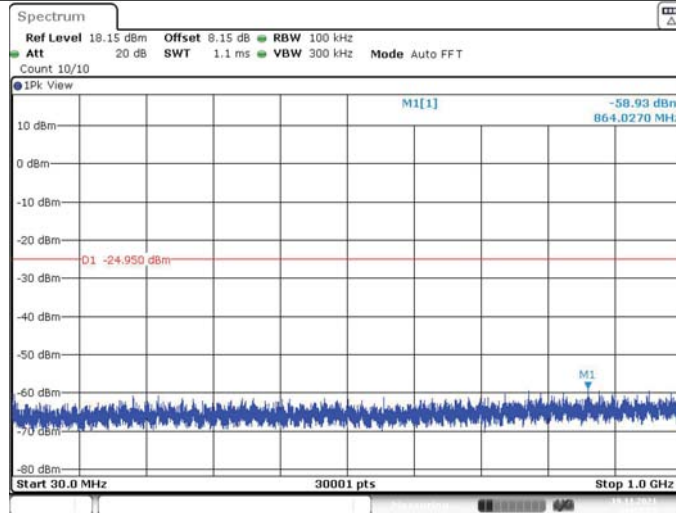




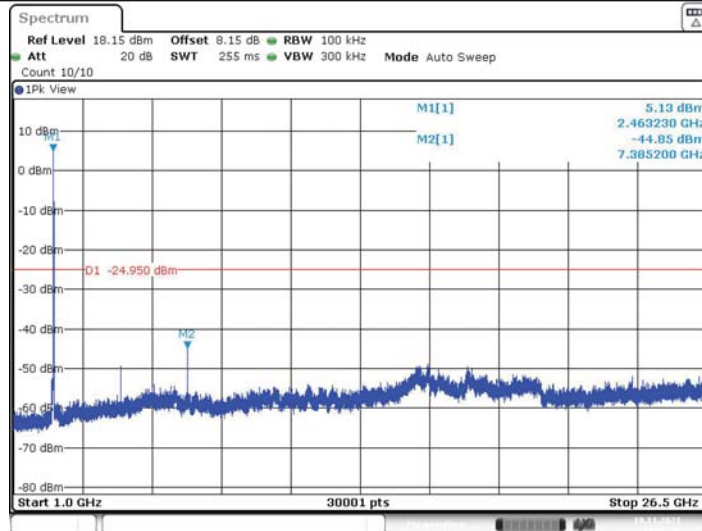
### 11B\_Ant1\_2462\_0~Reference



### 11B\_Ant1\_2462\_30~1000

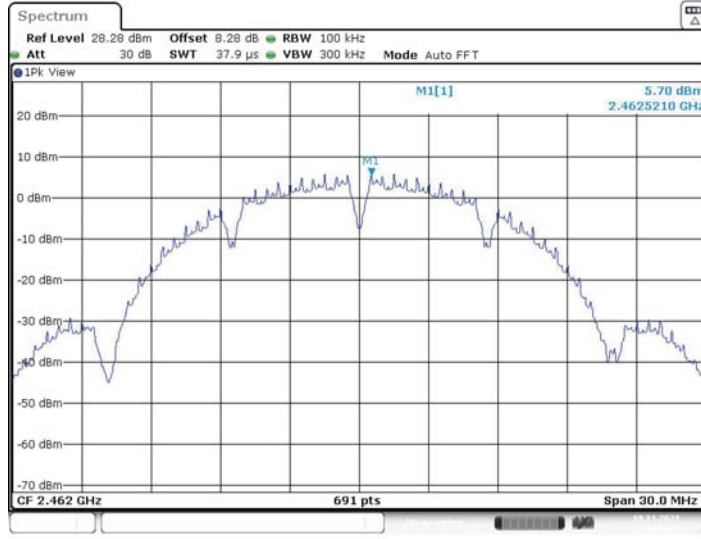


### 11B\_Ant1\_2462\_1000~26500



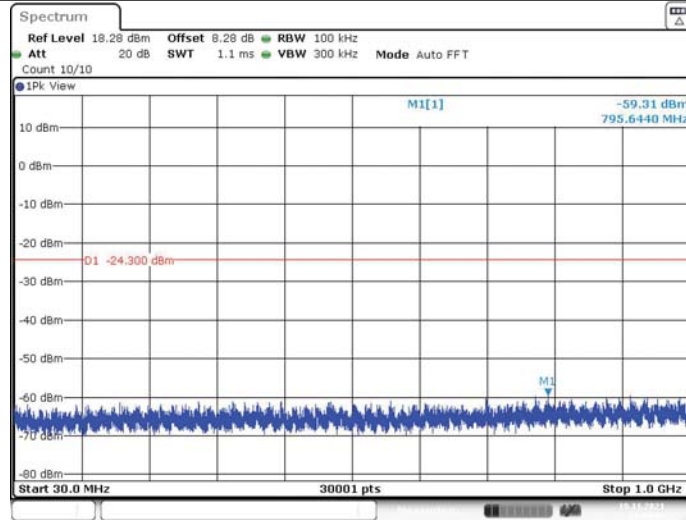


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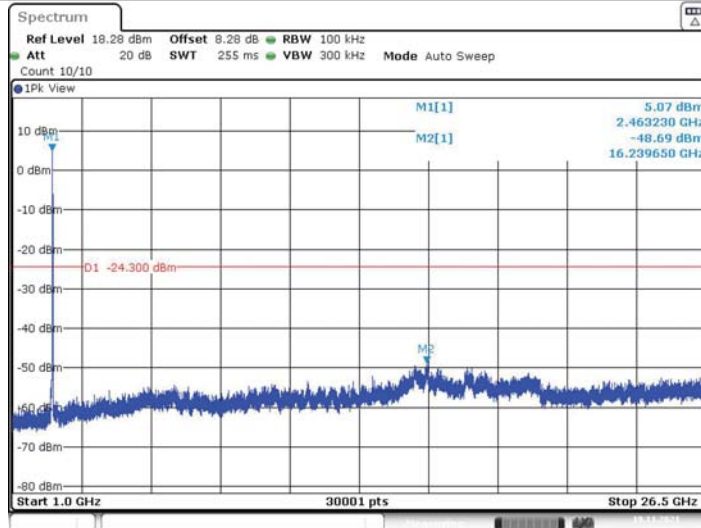
Date: 19.NOV.2021 13:44:26

### 11B\_Ant2\_2462\_30~1000



Date: 19.NOV.2021 13:44:31

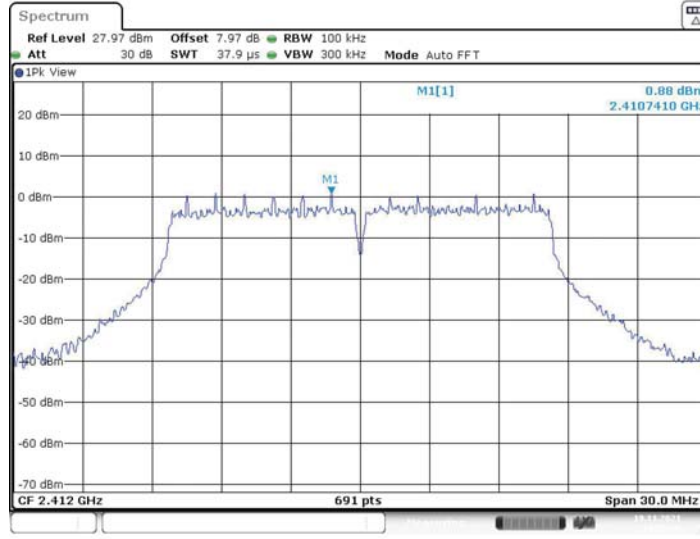
### 11B\_Ant2\_2462\_1000~26500



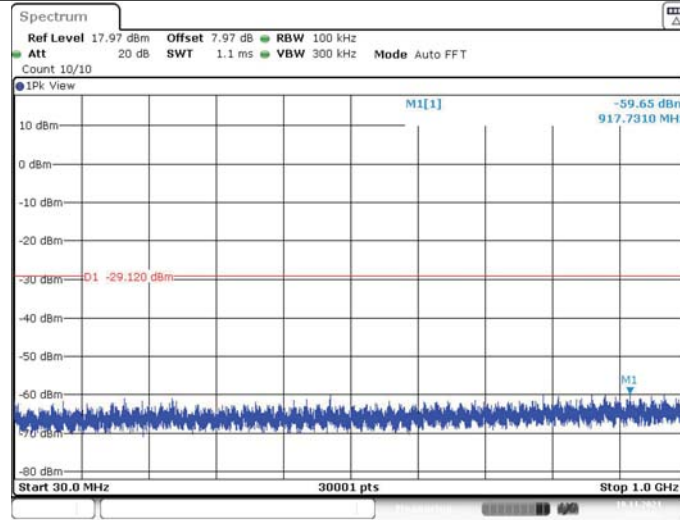
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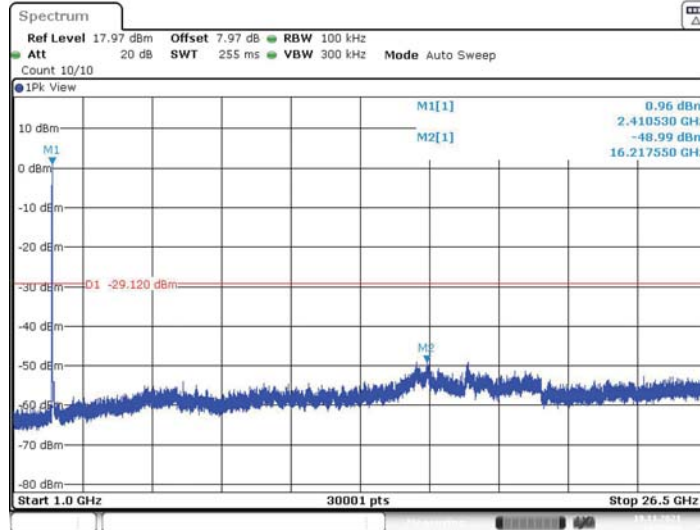
### 11G\_Ant1\_2412\_0~Reference



### 11G\_Ant1\_2412\_30~1000

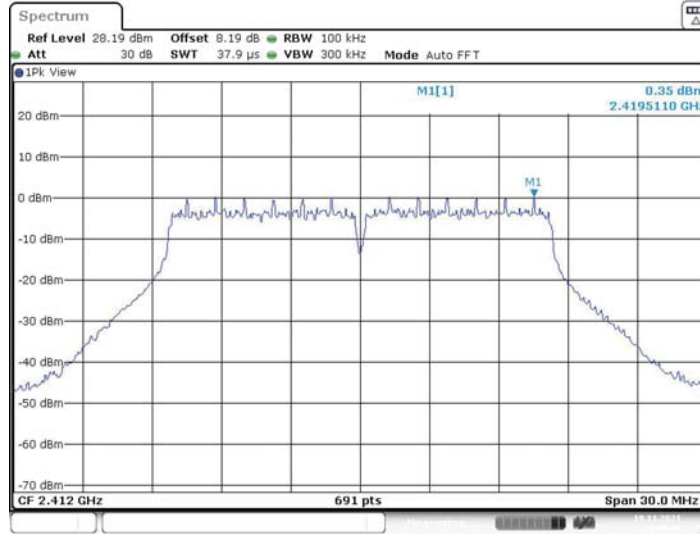


### 11G\_Ant1\_2412\_1000~26500



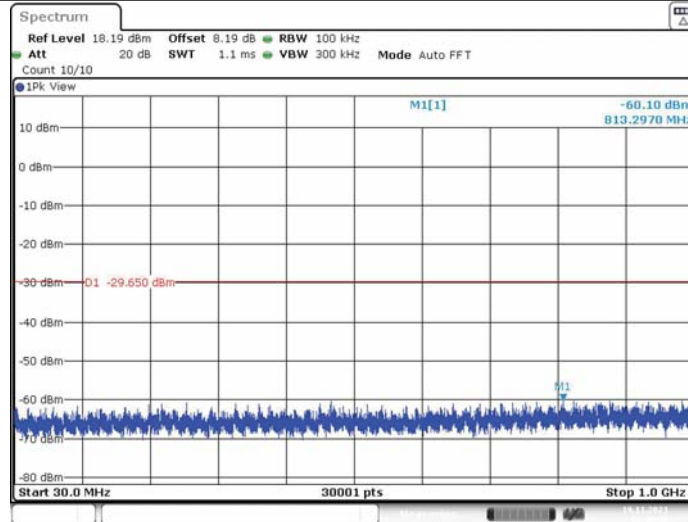


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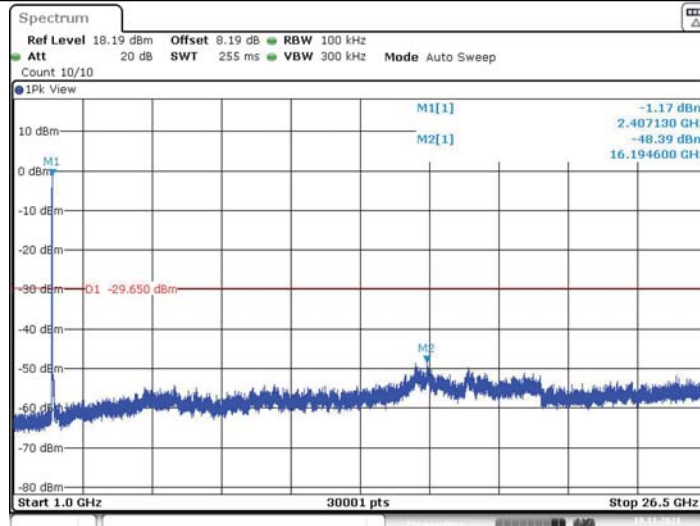
Date: 19.NOV.2021 13:48:45

### 11G\_Ant2\_2412\_30~1000



Date: 19.NOV.2021 13:48:49

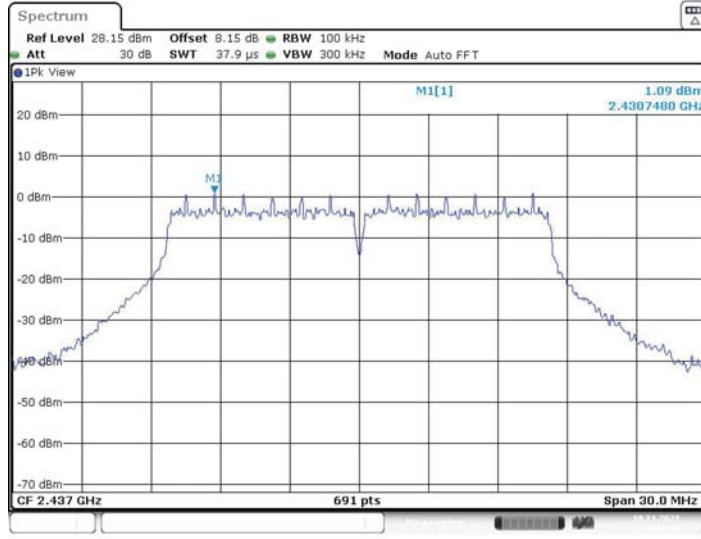
### 11G\_Ant2\_2412\_1000~26500



Date: 19.NOV.2021 13:49:11

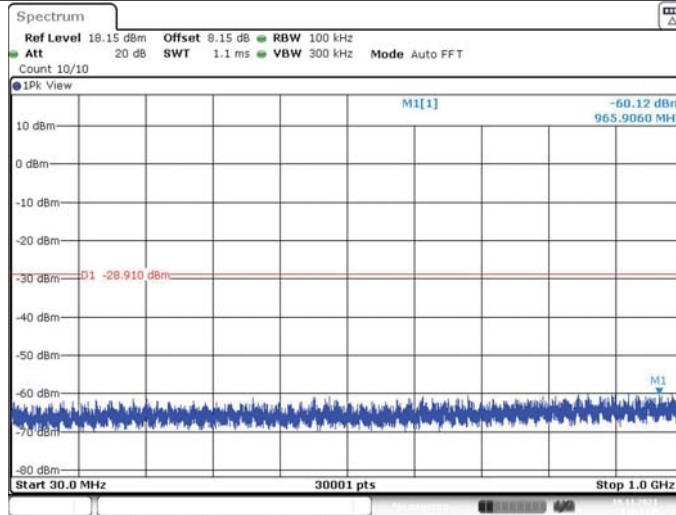


### 11G\_Ant1\_2437\_0~Reference



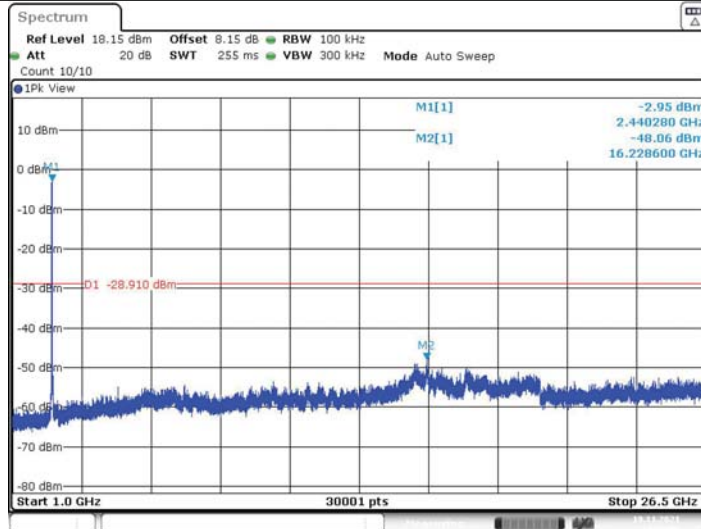
Date: 19.NOV.2021 13:31:42

### 11G\_Ant1\_2437\_30~1000



Date: 19.NOV.2021 13:31:46

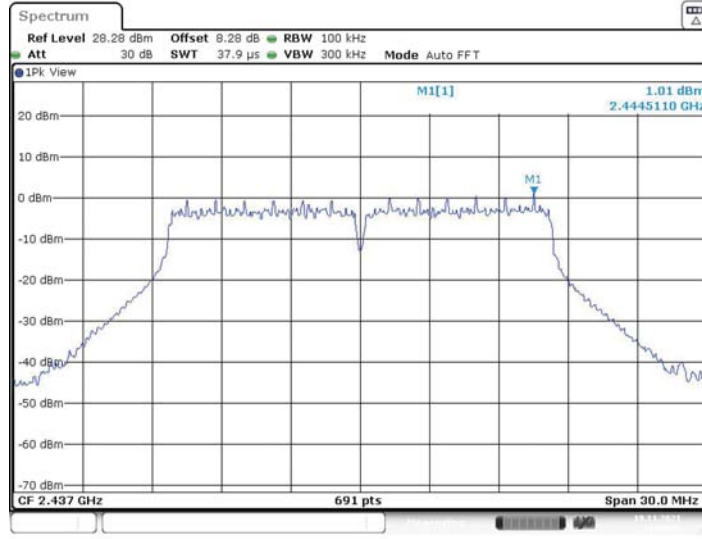
### 11G\_Ant1\_2437\_1000~26500



Date: 19.NOV.2021 13:32:08

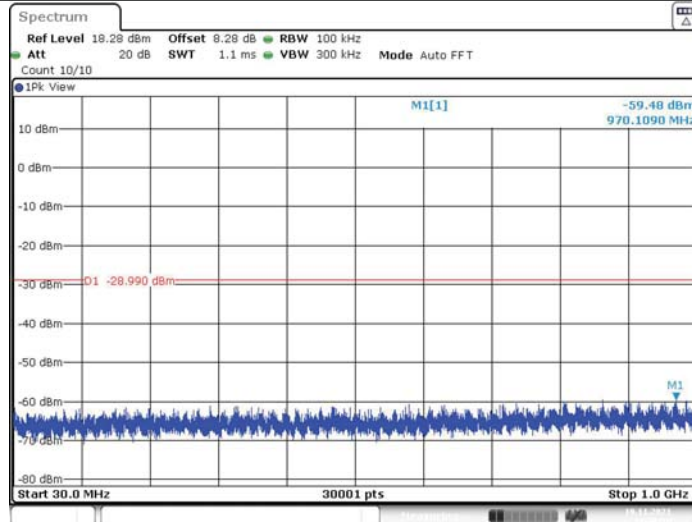


### 11G\_Ant2\_2437\_0~Reference



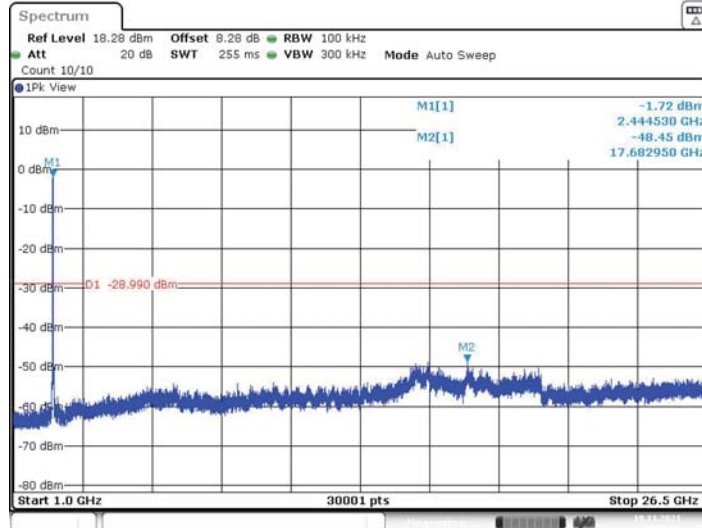
Date: 19.NOV.2021 13:50:50

### 11G\_Ant2\_2437\_30~1000



Date: 19.NOV.2021 13:50:54

### 11G\_Ant2\_2437\_1000~26500

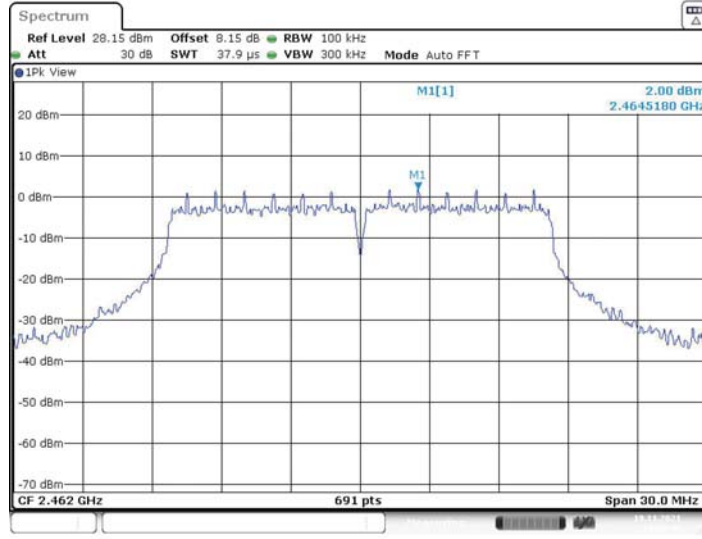


Date: 19.NOV.2021 13:51:16



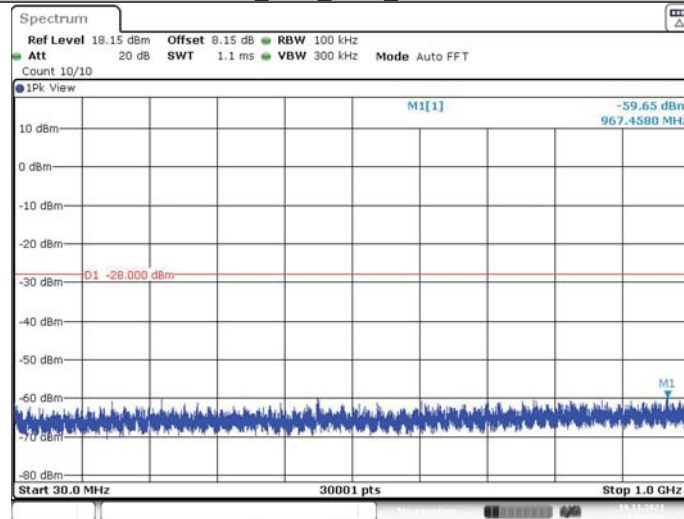


### 11G\_Ant1\_2462\_0~Reference



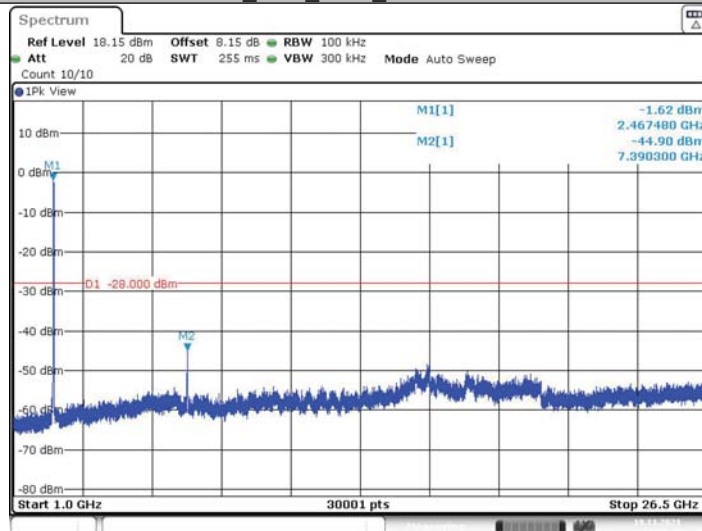
Date: 19.NOV.2021 13:33:49

### 11G\_Ant1\_2462\_30~1000



Date: 19.NOV.2021 13:33:53

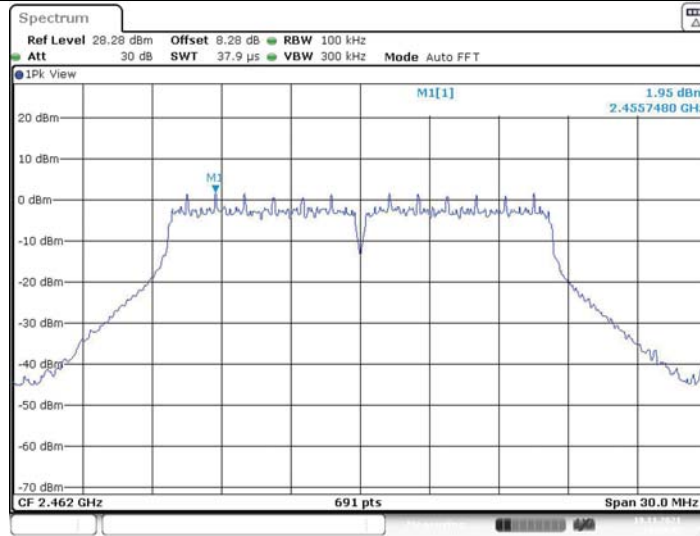
### 11G\_Ant1\_2462\_1000~26500



Date: 19.NOV.2021 13:34:15

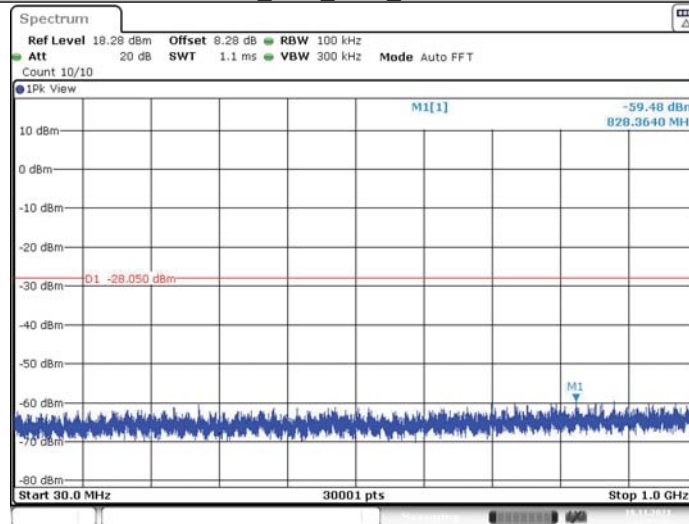


### 11G\_Ant2\_2462\_0~Reference



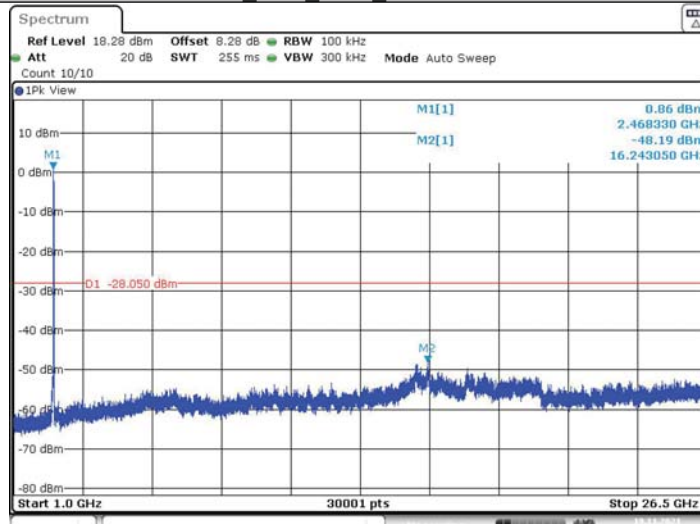
Date: 19.NOV.2021 13:53:48

### 11G\_Ant2\_2462\_30~1000



Date: 19.NOV.2021 13:53:52

### 11G\_Ant2\_2462\_1000~26500

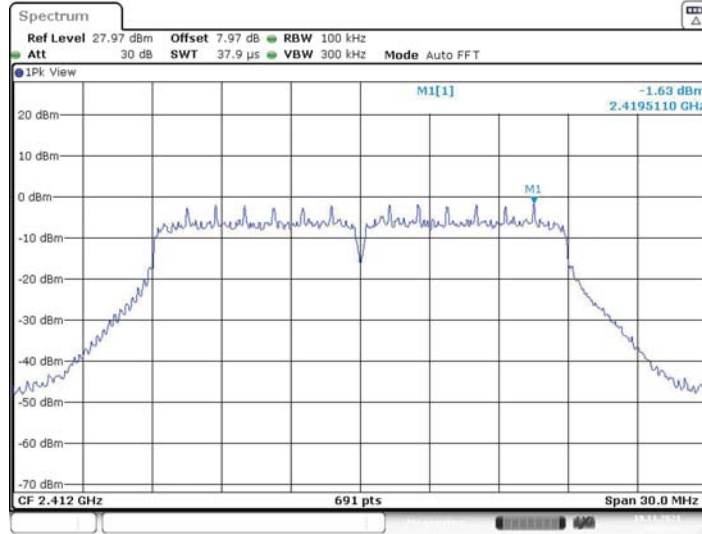


Date: 19.NOV.2021 13:54:14



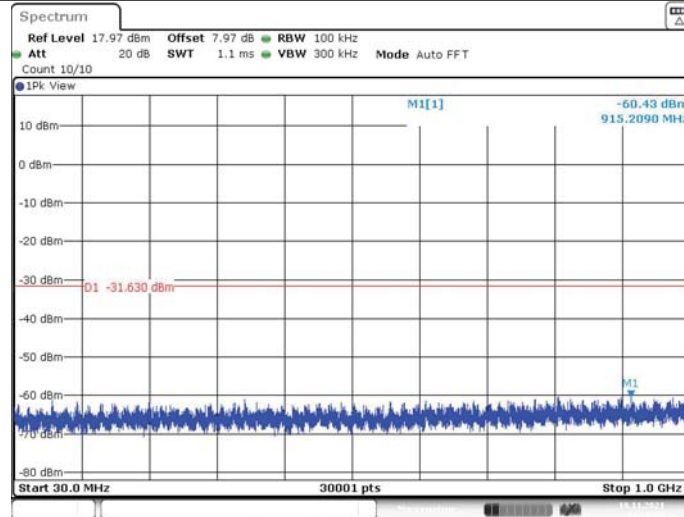


### 11N20MIMO\_Ant1\_2412\_0~Reference



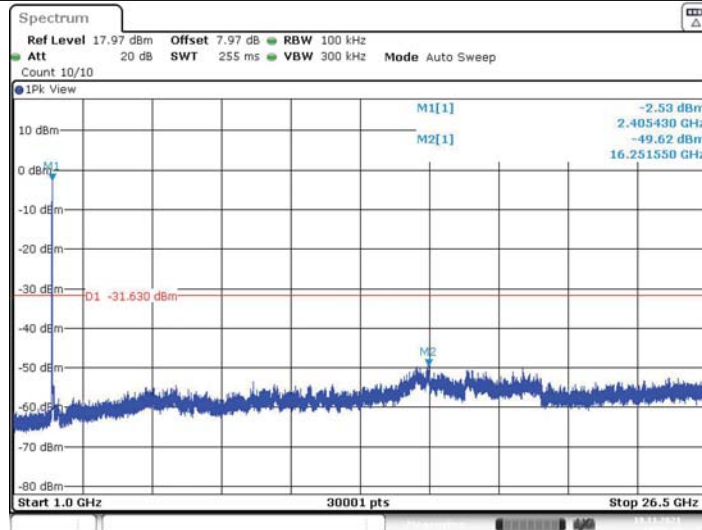
Date: 19.NOV.2021 14:28:47

### 11N20MIMO\_Ant1\_2412\_30~1000



Date: 19.NOV.2021 14:28:51

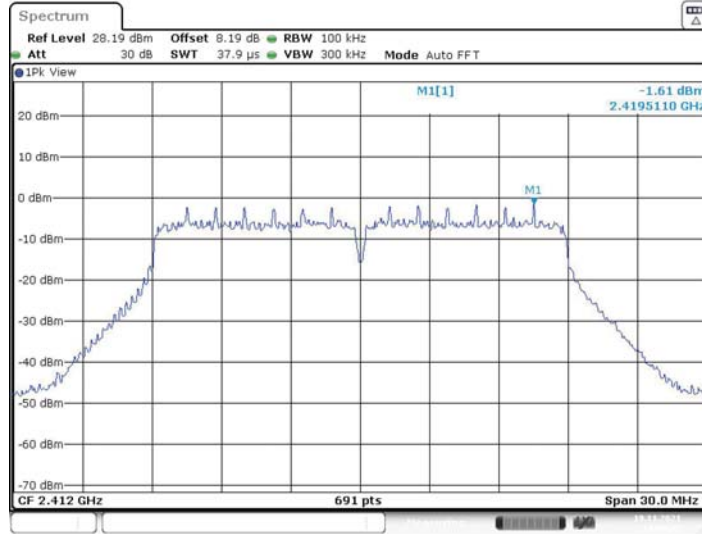
### 11N20MIMO\_Ant1\_2412\_1000~26500



Date: 19.NOV.2021 14:29:13

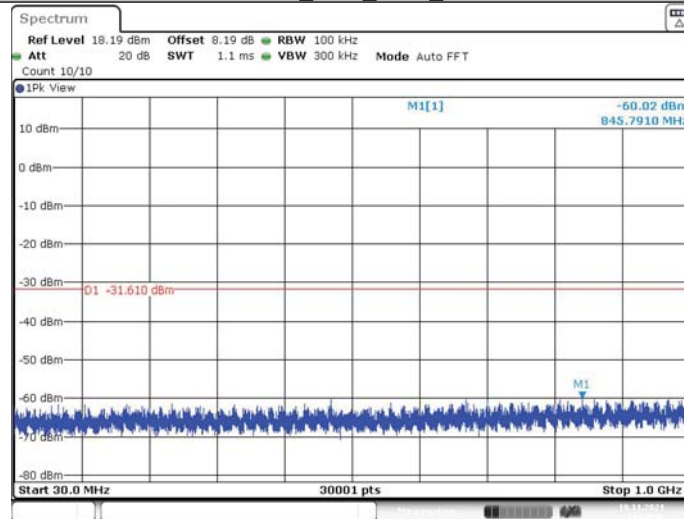


### 11N20MIMO\_Ant2\_2412\_0~Reference



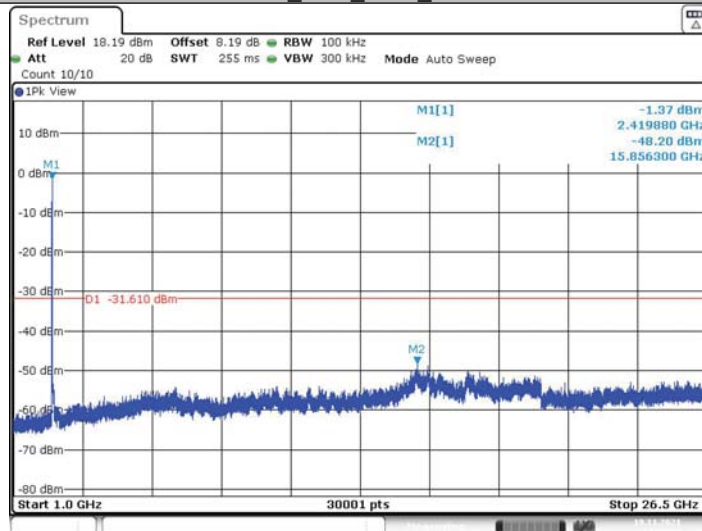
Date: 19.NOV.2021 14:30:28

### 11N20MIMO\_Ant2\_2412\_30~1000



Date: 19.NOV.2021 14:30:32

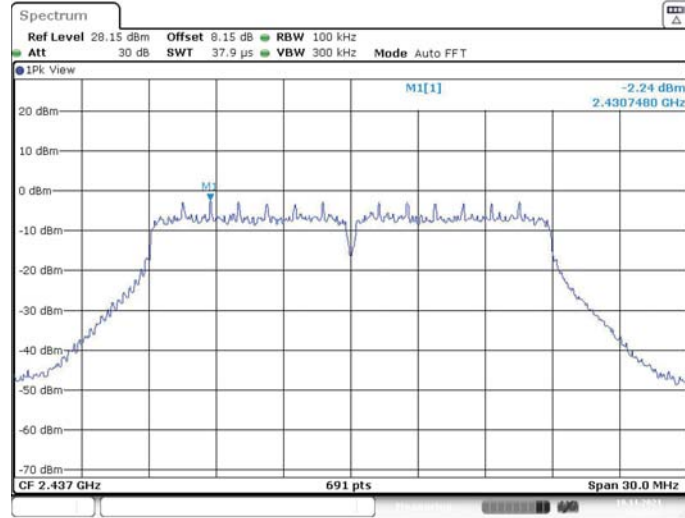
### 11N20MIMO\_Ant2\_2412\_1000~26500



Date: 19.NOV.2021 14:30:54

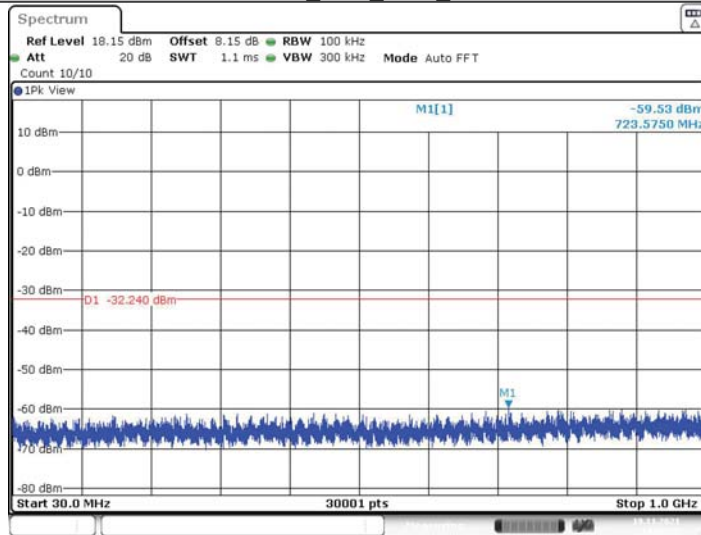


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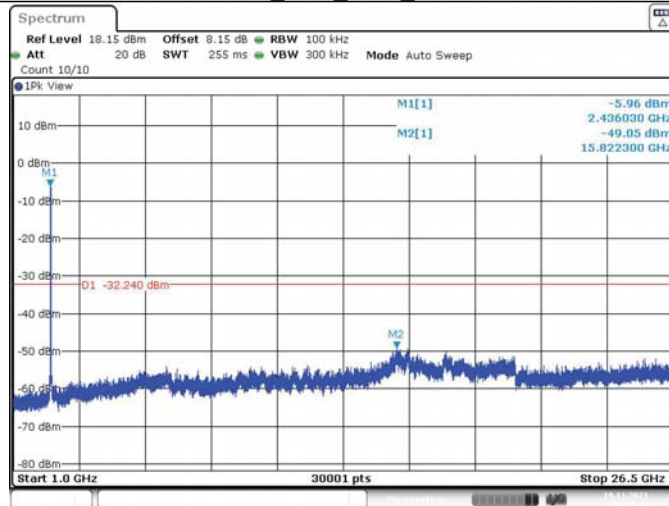
Date: 19.NOV.2021 14:32:18

### 11N20MIMO\_Ant1\_2437\_30~1000



Date: 19.NOV.2021 14:32:22

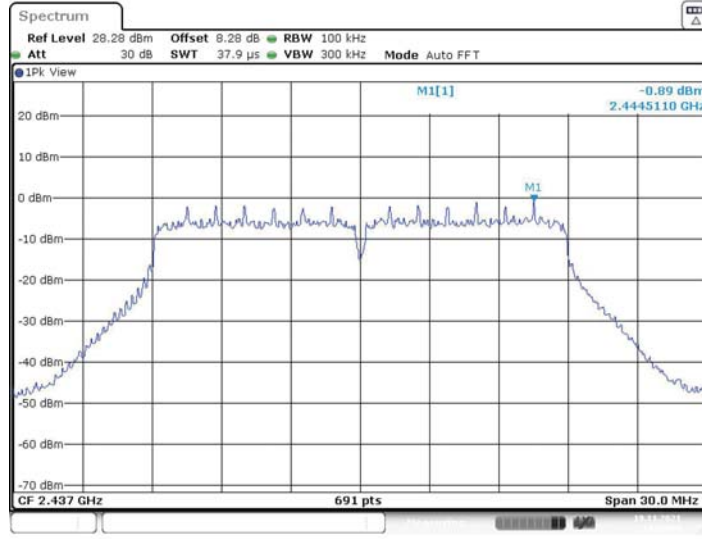
### 11N20MIMO\_Ant1\_2437\_1000~26500



Date: 19.NOV.2021 14:32:44

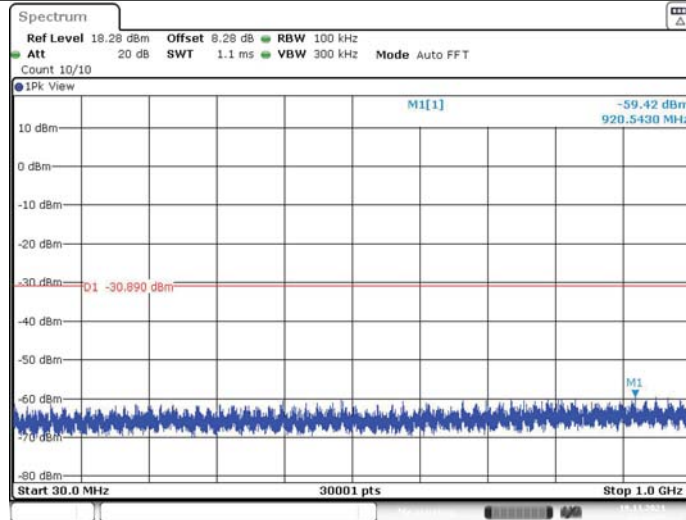


### 11N20MIMO\_Ant2\_2437\_0~Reference



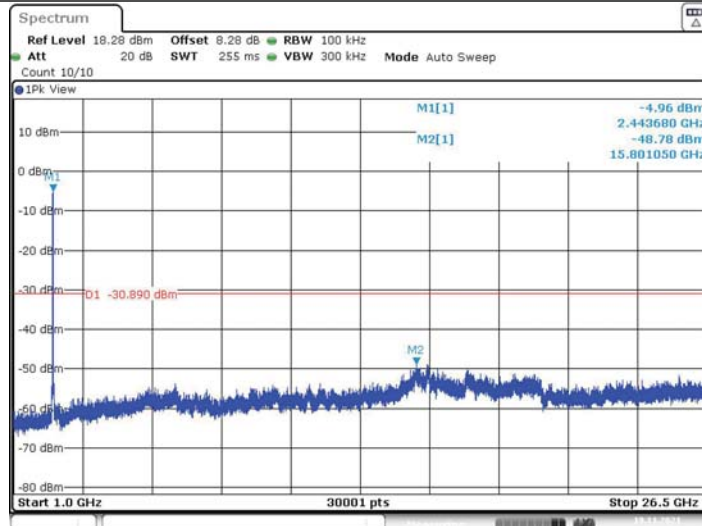
Date: 19.NOV.2021 14:33:55

### 11N20MIMO\_Ant2\_2437\_30~1000



Date: 19.NOV.2021 14:33:59

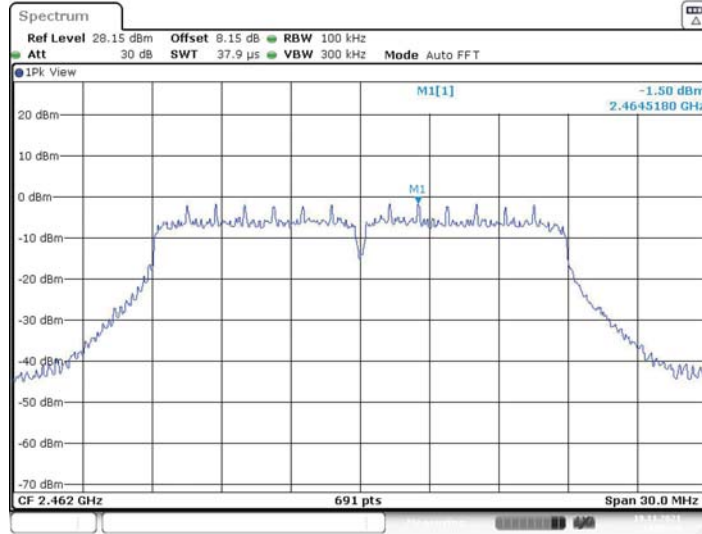
### 11N20MIMO\_Ant2\_2437\_1000~26500



Date: 19.NOV.2021 14:34:21

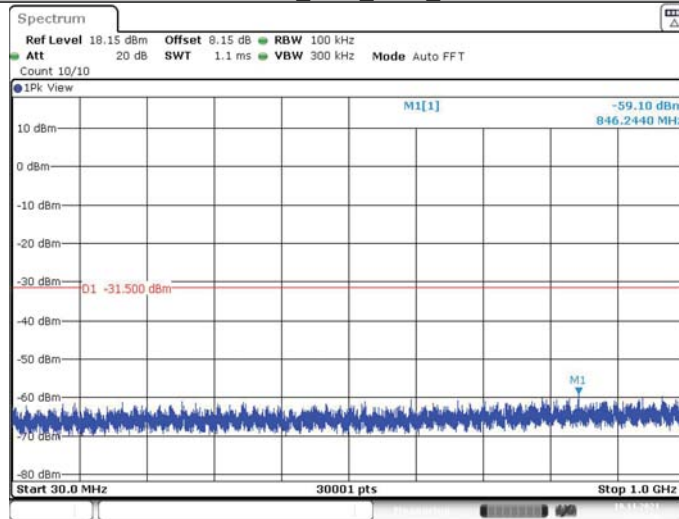


### 11N20MIMO\_Ant1\_2462\_0~Reference



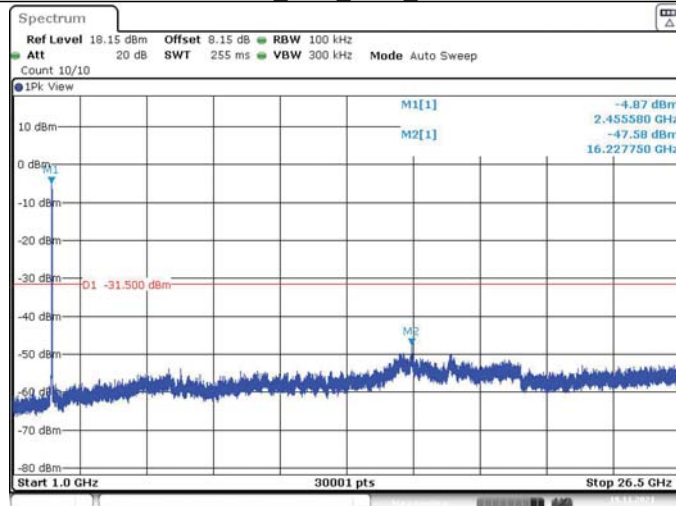
Date: 19.NOV.2021 14:35:34

### 11N20MIMO\_Ant1\_2462\_30~1000



Date: 19.NOV.2021 14:35:38

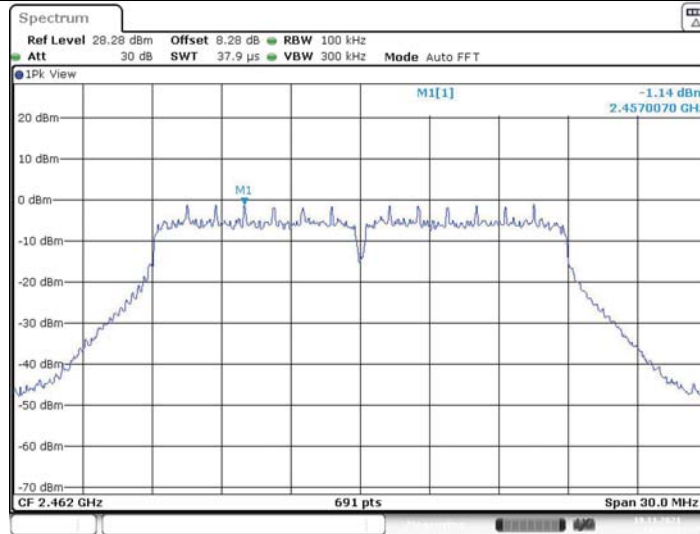
### 11N20MIMO\_Ant1\_2462\_1000~26500



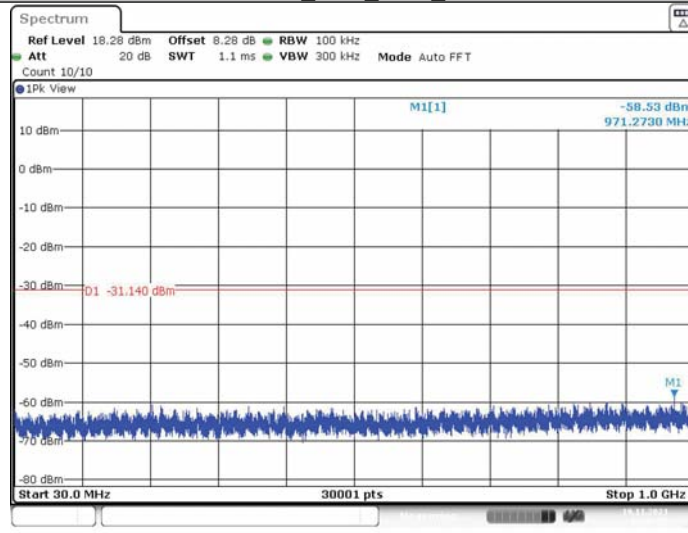
Date: 19.NOV.2021 14:36:00



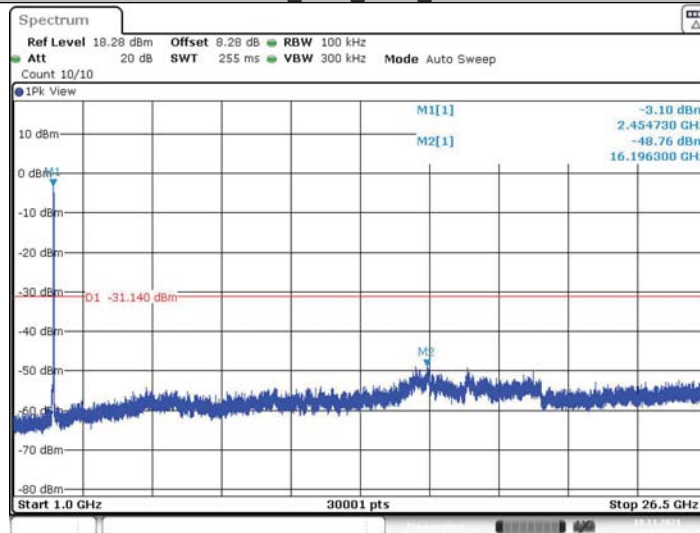
### 11N20MIMO\_Ant2\_2462\_0~Reference



### 11N20MIMO\_Ant2\_2462\_30~1000



### 11N20MIMO\_Ant2\_2462\_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.

*Address of the laboratory:*

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