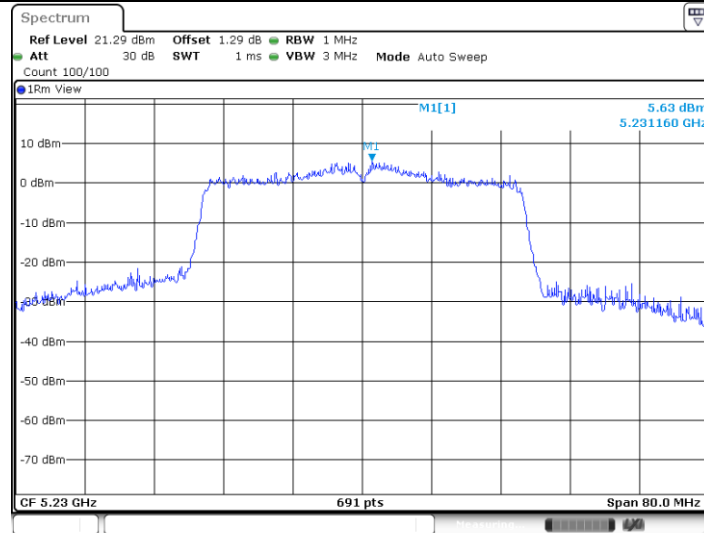
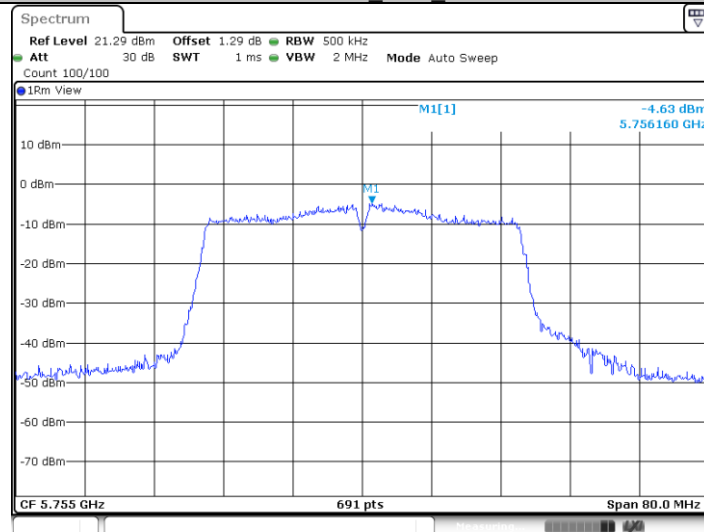




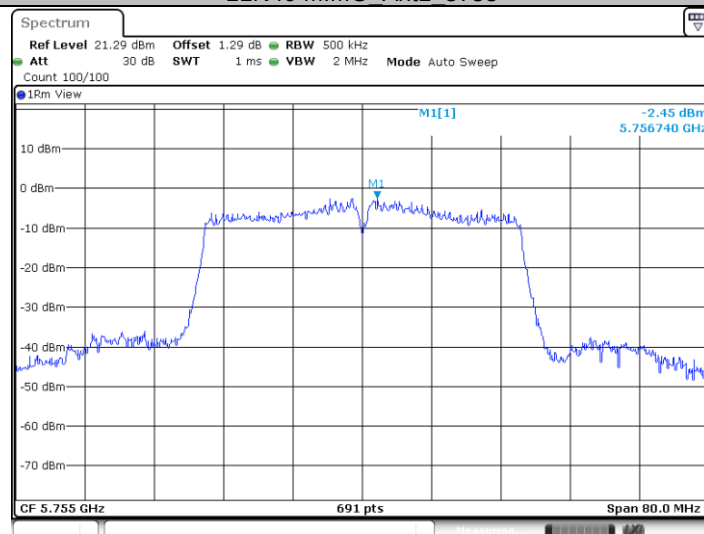
Date: 24 JUN 2021 19:17:05

11N40 MIMO_Ant0_5755



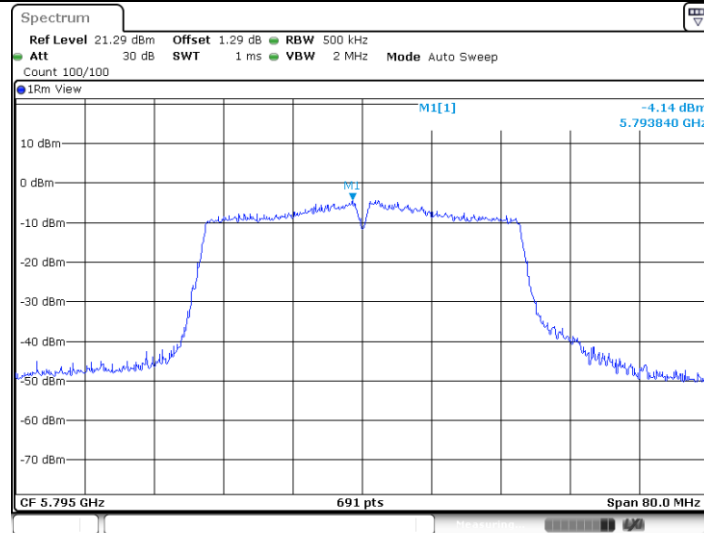
Date: 28 JUN 2021 16:24:13

11N40 MIMO_Ant1_5755



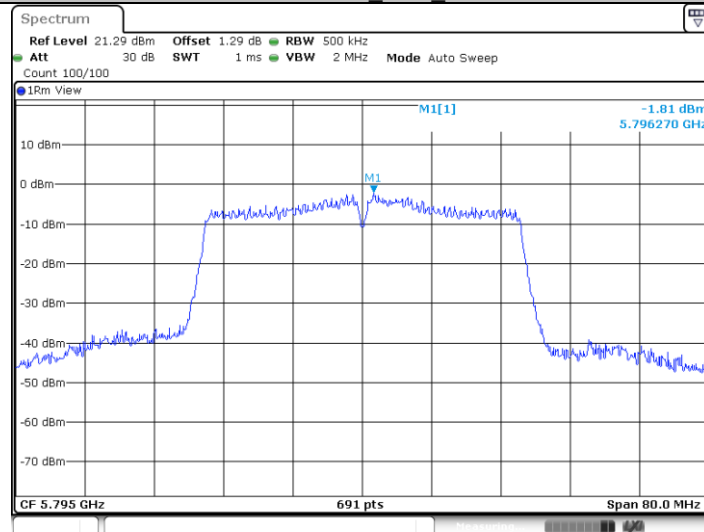
Date: 28 JUN 2021 16:51:14

11N40 MIMO_Ant0_5795



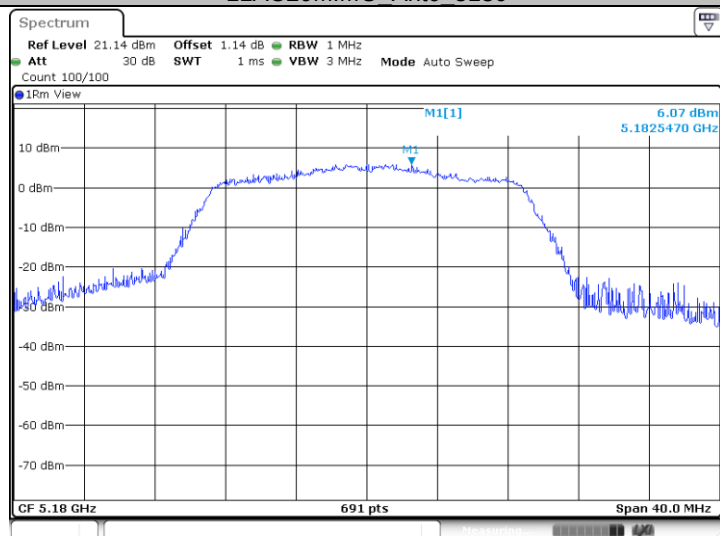
Date: 28 JUN 2021 16:26:48

11N40 MIMO_Ant1_5795



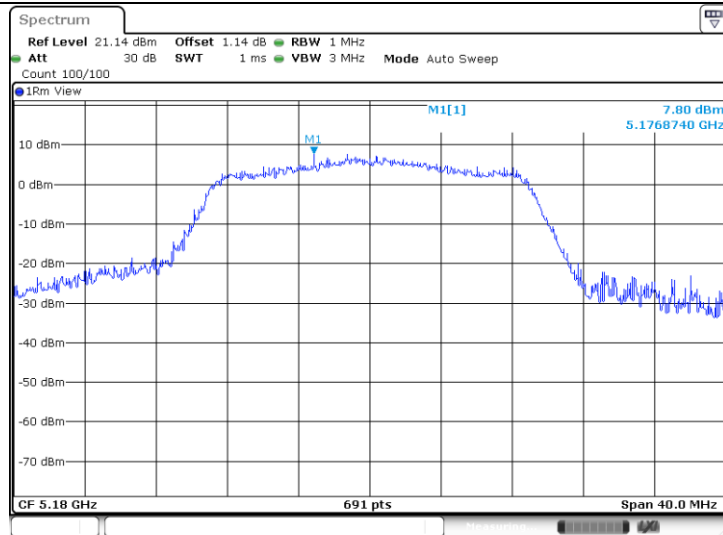
Date: 28 JUN 2021 16:54:36

11AC20MIMO_Ant0_5180



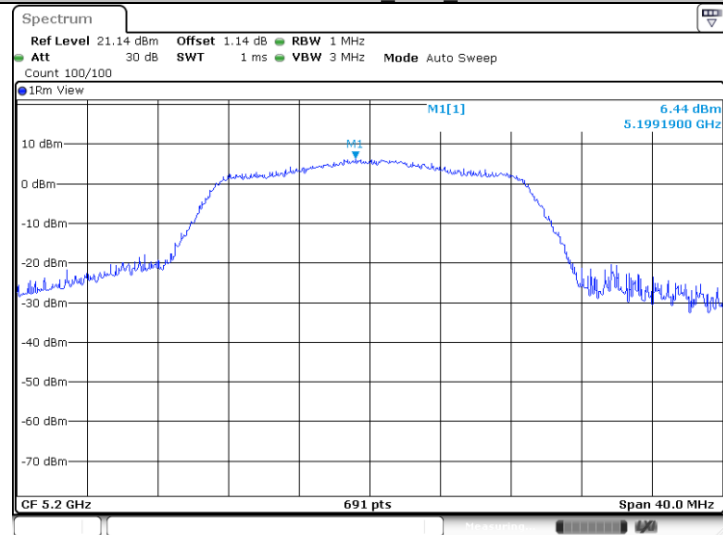
Date: 23 JUL 2021 19:26:59

11AC20MIMO_Ant1_5180



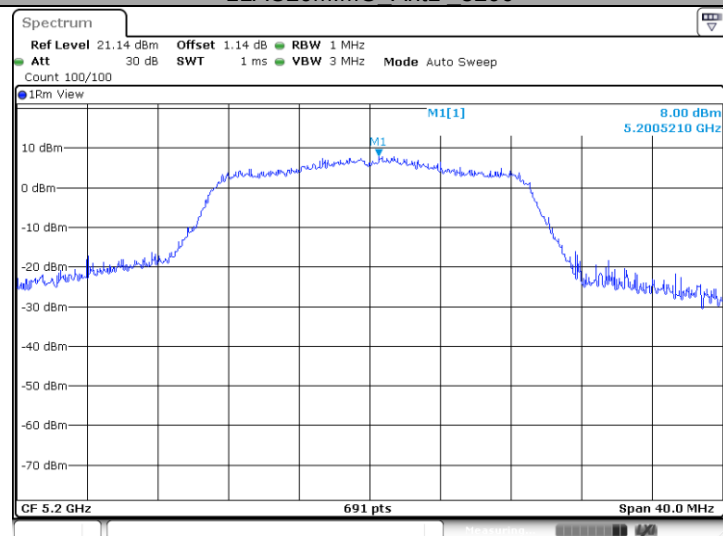
Date: 23 JUL 2021 19:41:51

11AC20MIMO_Ant0_5200



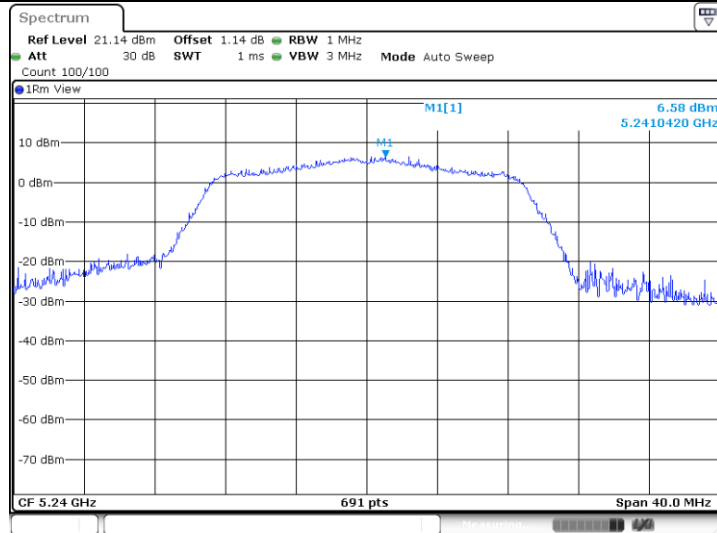
Date: 23 JUL 2021 19:27:38

11AC20MIMO_Ant1_5200



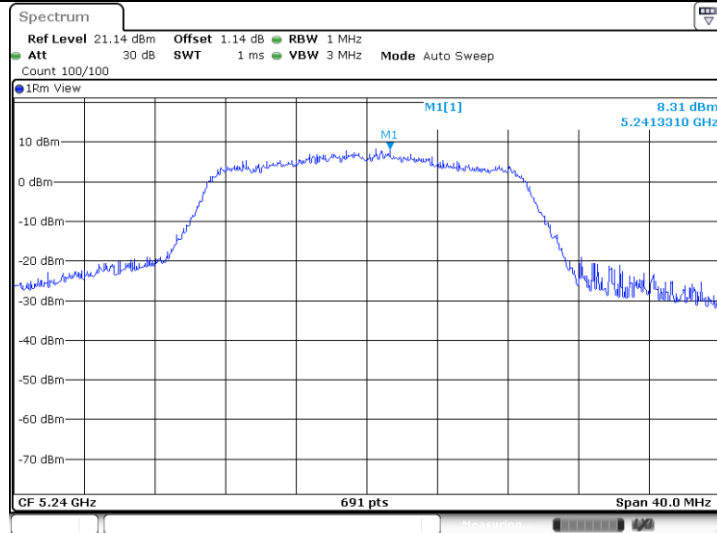
Date: 23 JUL 2021 19:42:36

11AC20MIMO_Ant0_5240



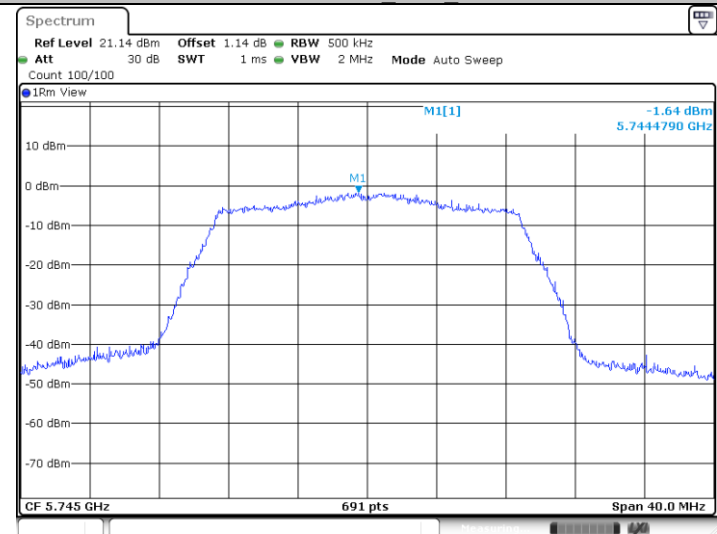
Date: 23 JUL 2021 19:28:28

11AC20MIMO_Ant1_5240



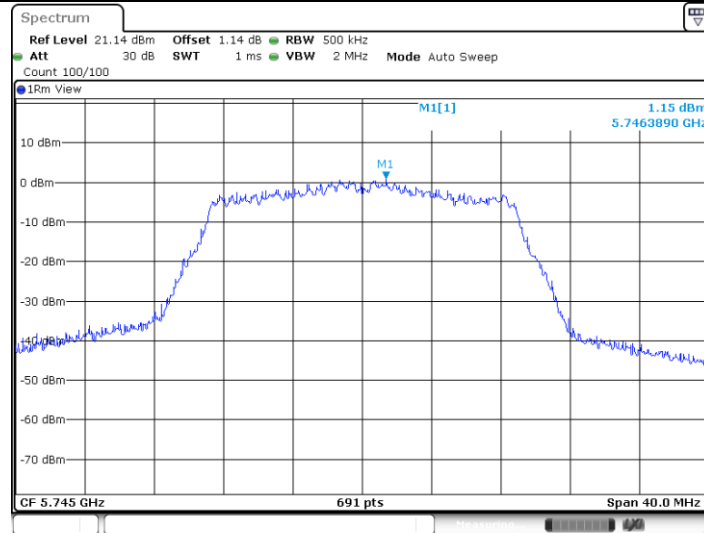
Date: 23 JUL 2021 19:43:11

11AC20 MIMO_Ant0_5745



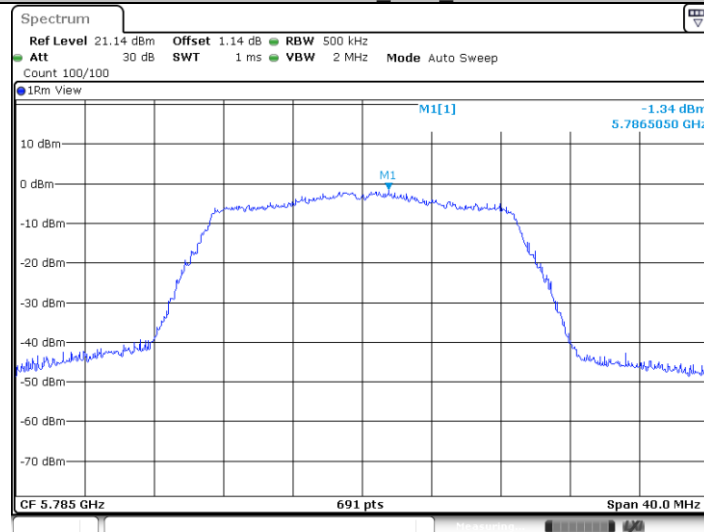
Date: 28 JUN 2021 16:29:55

11AC20 MIMO_An1_5745



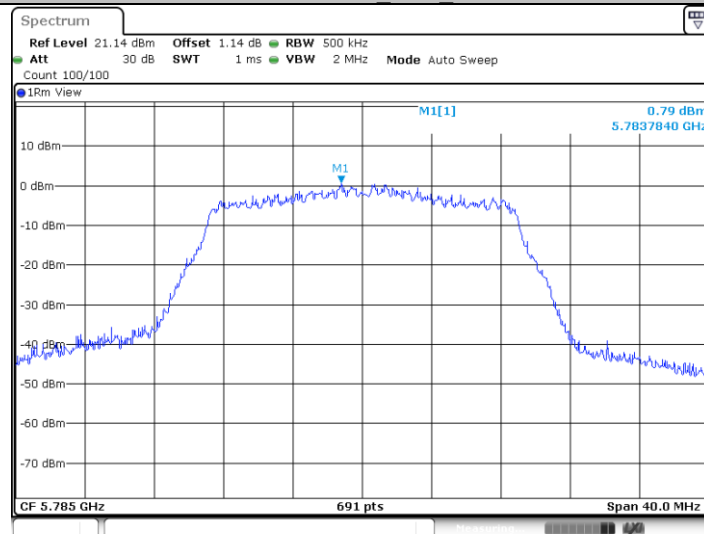
Date: 28 JUN 2021 16:57:21

11AC20 MIMO_Ant0_5785



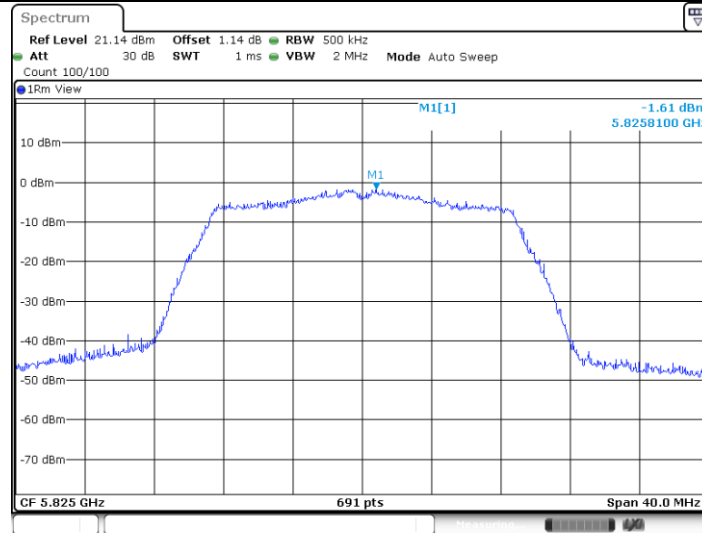
Date: 28 JUN 2021 16:32:00

11AC20 MIMO_Ant1_5785



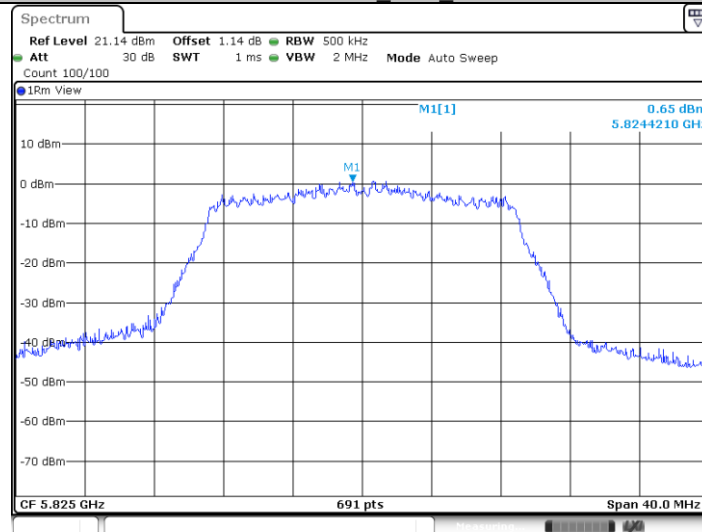
Date: 28 JUN 2021 16:59:24

11AC20 MIMO_Ant0_5825



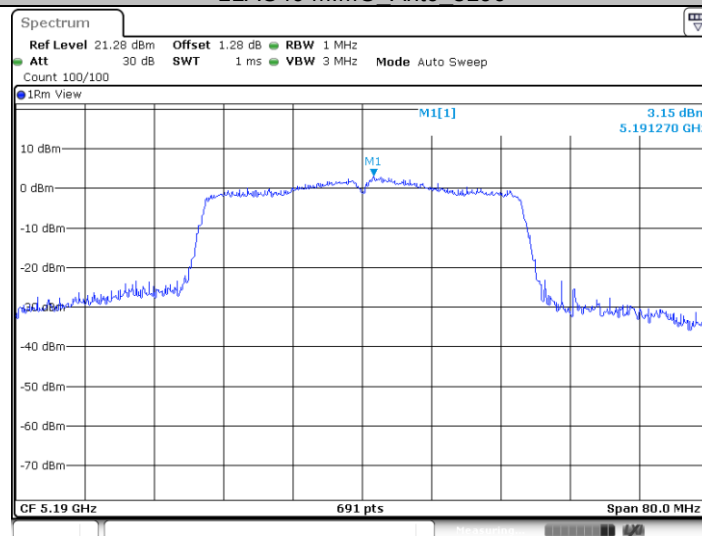
Date: 28 JUN 2021 16:34:14

11AC20 MIMO_Ant1_5825



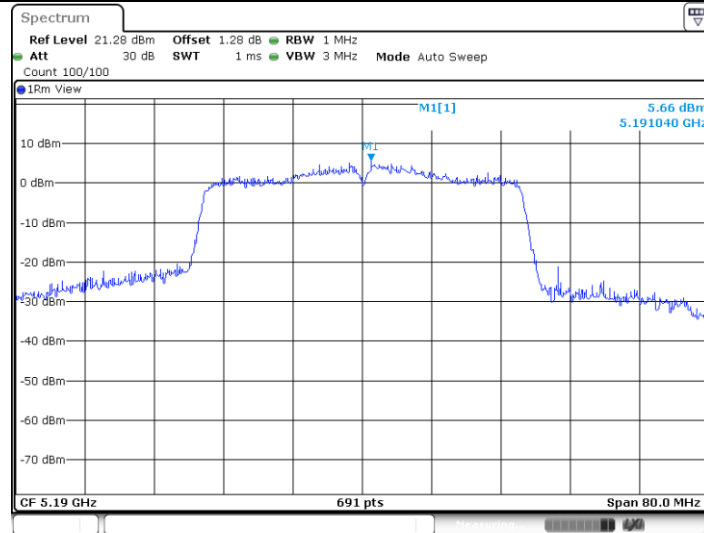
Date: 28 JUN 2021 17:02:16

11AC40 MIMO_Ant0_5190



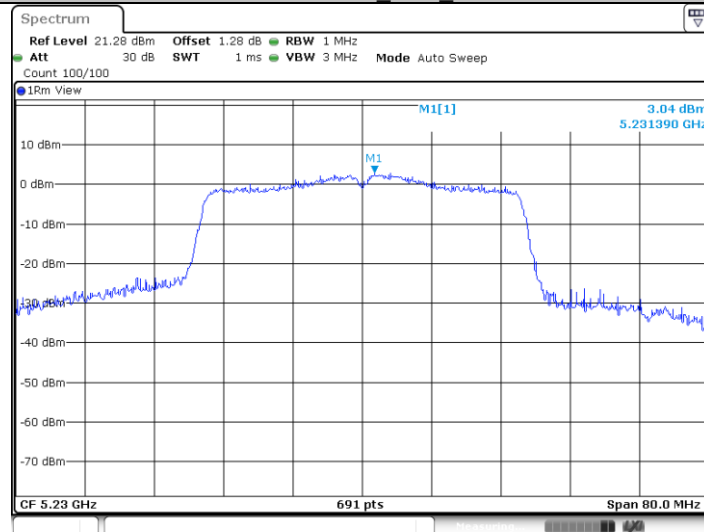
Date: 24 JUN 2021 18:41:32

11AC40 MIMO_Ant1_5190



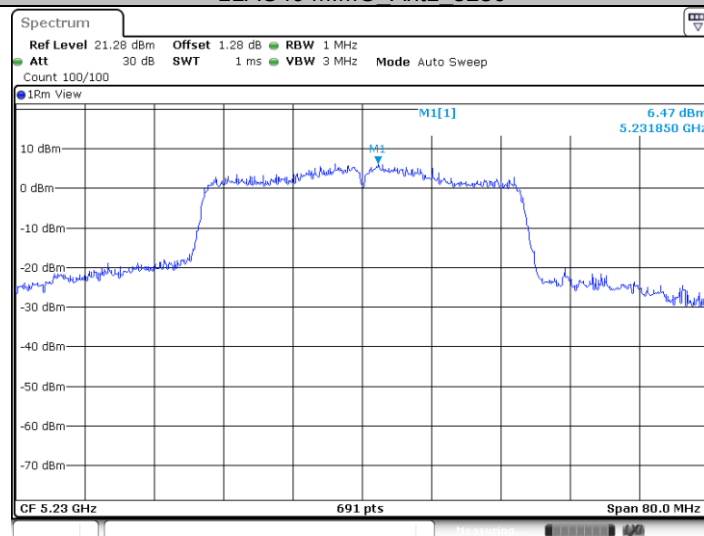
Date: 24 JUN 2021 19:38:53

11AC40 MIMO_Ant0_5230



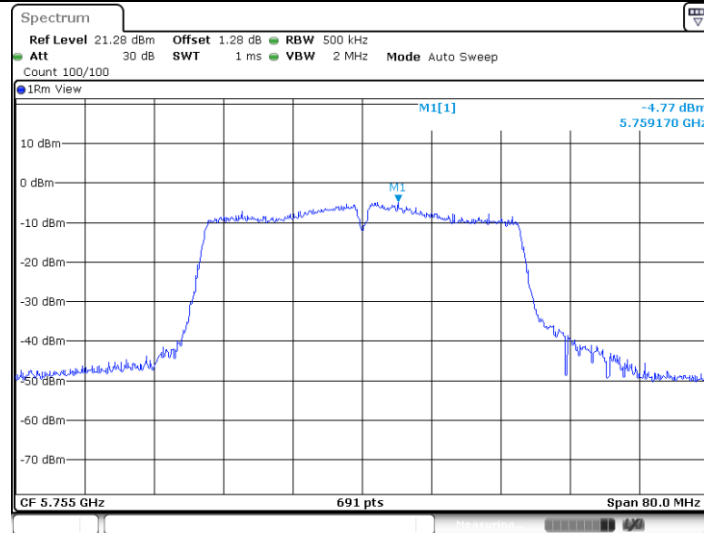
Date: 24 JUN 2021 18:44:13

11AC40 MIMO_Ant1_5230



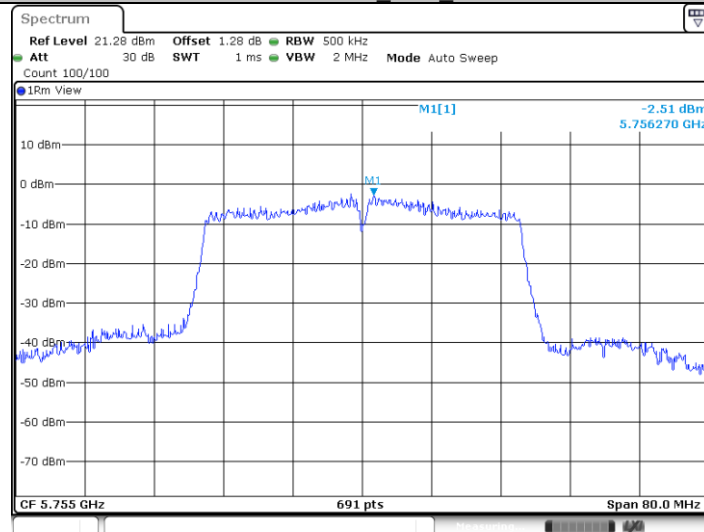
Date: 24 JUN 2021 19:41:43

11AC40 MIMO_Ant0_5755



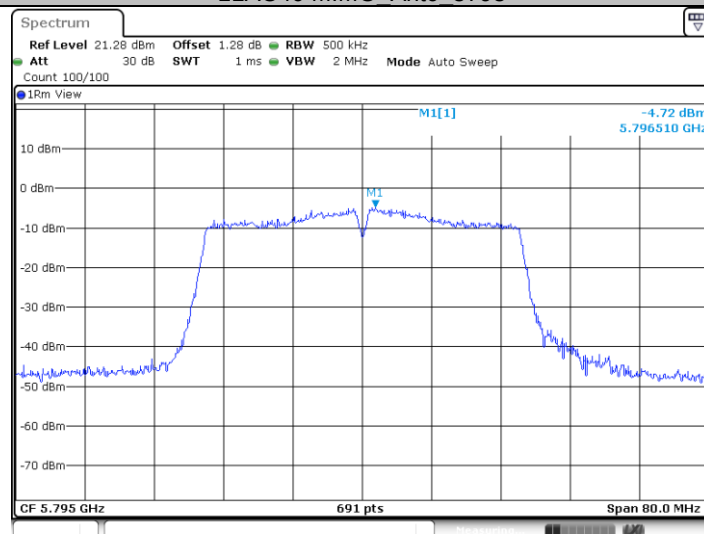
Date: 28 JUN 2021 16:36:32

11AC40 MIMO_Ant1_5755



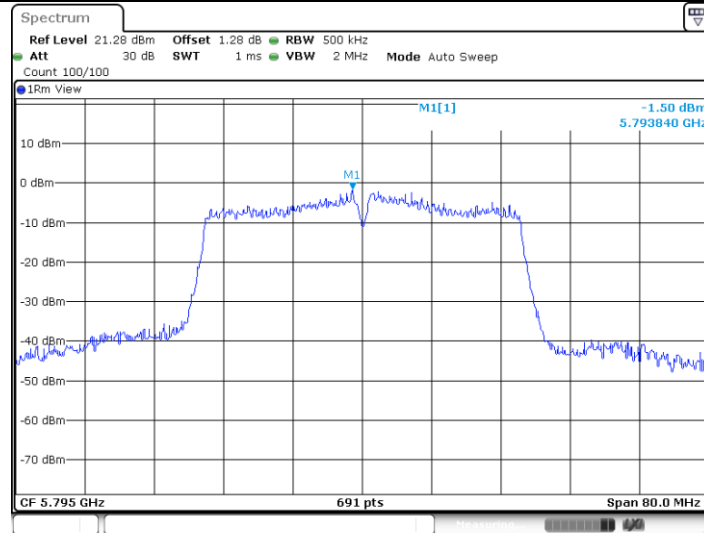
Date: 28 JUN 2021 17:04:17

11AC40 MIMO_Ant0_5795



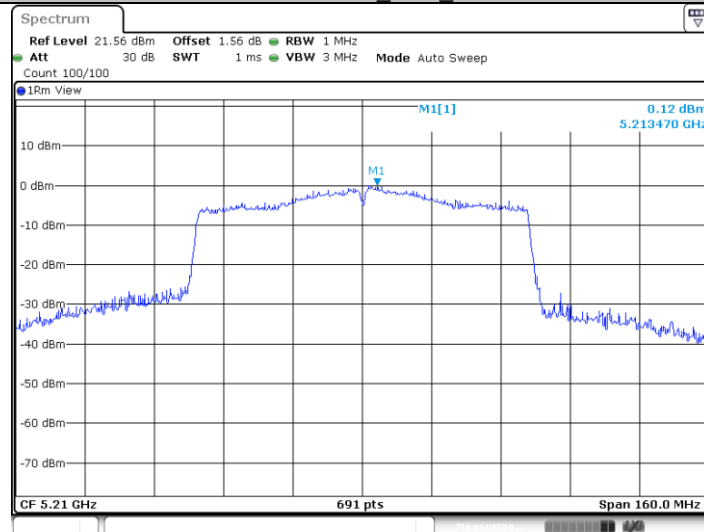
Date: 28 JUN 2021 16:39:00

11AC40 MIMO_Ant1_5795



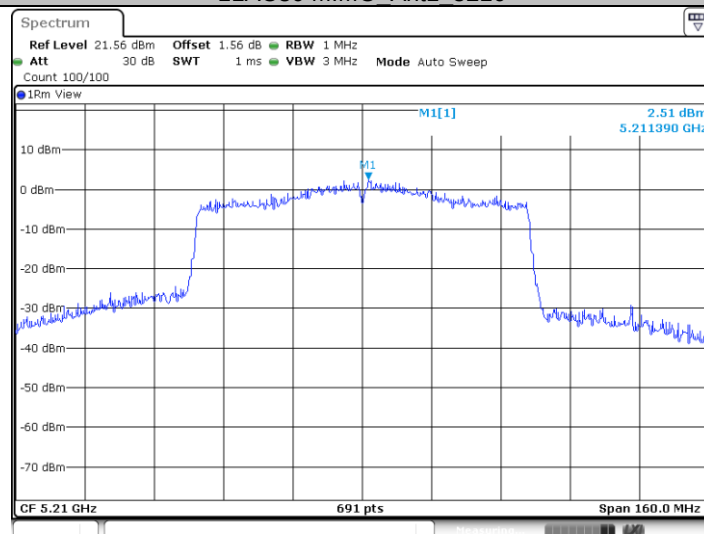
Date: 28 JUN 2021 17:07:02

11AC80 MIMO_Ant0_5210



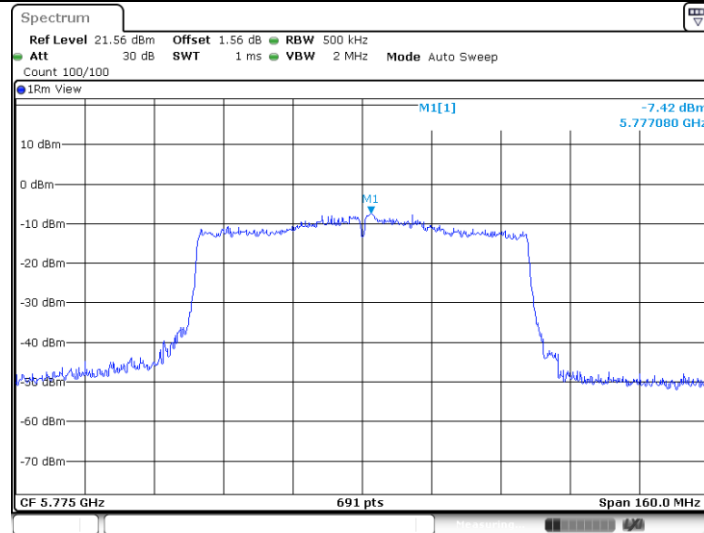
Date: 24 JUN 2021 18:50:51

11AC80 MIMO_Ant1_5210



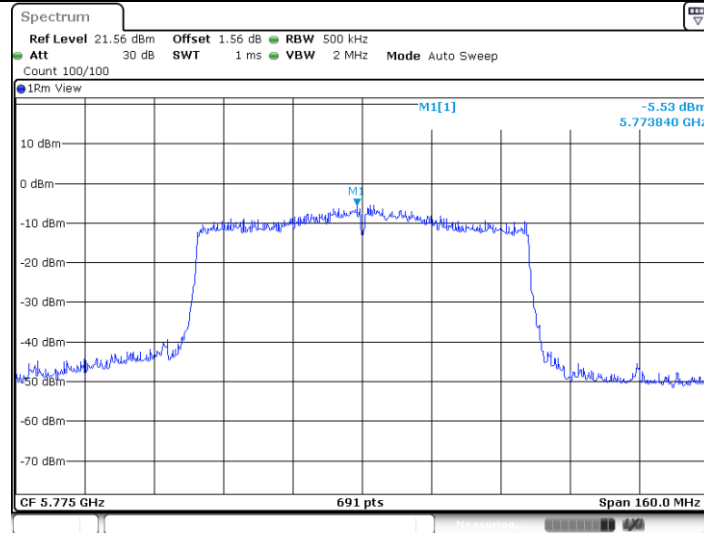
Date: 24 JUN 2021 19:48:33

11AC80 MIMO_Ant0_5775



Date: 28 JUN 2021 16:41:15

11AC80 MIMO_Ant1_5775



Date: 28 JUN 2021 17:09:29

9.5 Unwanted emissions

Test Method

According to KBD789033 D02

1. The EUT was placed on 0.8m height table, the RF output of EUT was connected to the test receiver by RF cable. The path loss was compensated to the results for each measurement.

2. For transmitters with operating frequencies in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth (i.e. 99% bandwidth), above 5250 MHz. The 26 dB bandwidth may fall into the 5250-5350 MHz band; however, if the occupied bandwidth also falls within the 5250-5350 MHz band, the transmission is considered as intentional and the devices shall comply with all requirements in the band 5250-5350 MHz including implementing dynamic frequency selection (DFS) and TPC, on the portion of the emission that resides in the 5250-5350 MHz band.

- a) Set RBW $\geq$ between 1 and 5% of the occupied bandwidth (i.e. 99% bandwidth)
- b) Set VBW $\geq$ 3 RBW.

Limits:

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

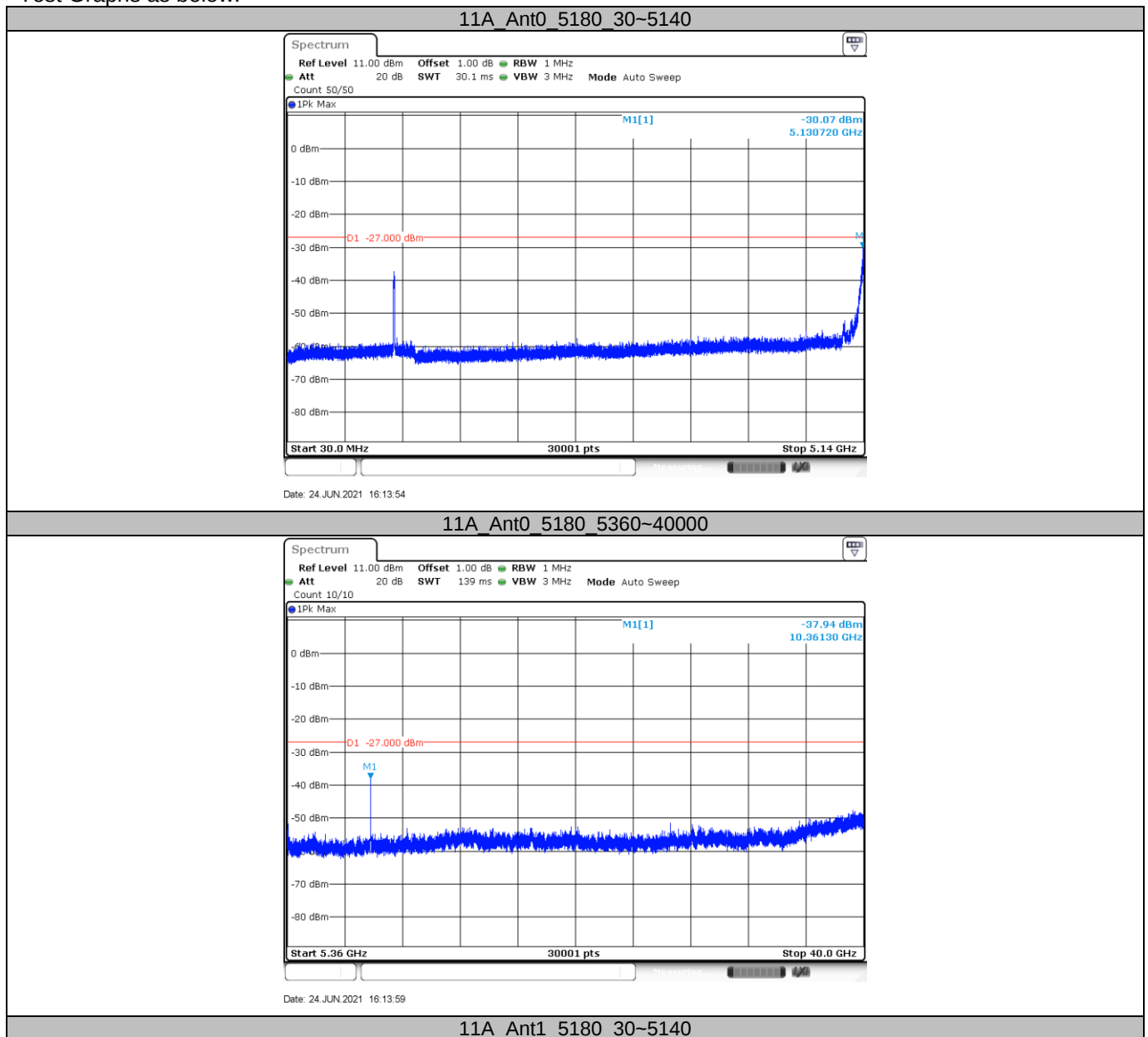
For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

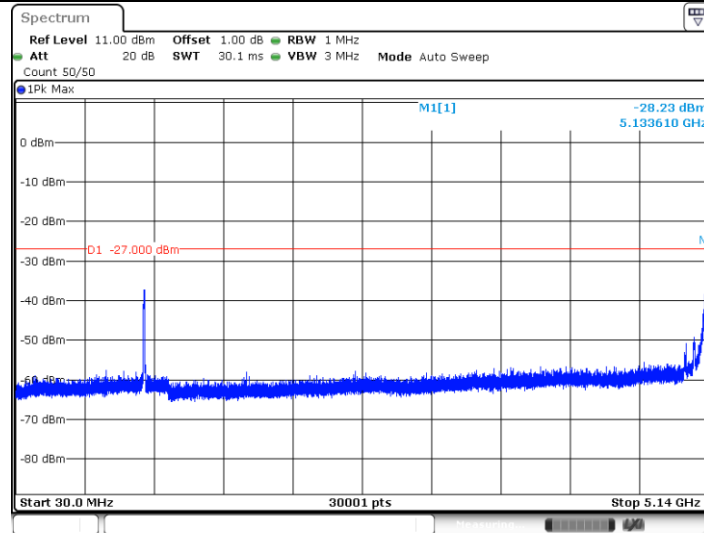
Test Data as below:

TestMode	Antenna	Channel (MHz)	FreqRange (MHz)	Max. Fre (MHz)	Max. Level (dBm)	Limit (dBm)	Verdict
11A_SISO	Ant0	5180	30~5140	30~5140	-30.07	<=-27	PASS
			5360~40000	5360~40000	-38.26	<=-27	PASS
	Ant1	5180	30~5140	30~5140	-28.23	<=-27	PASS
			5360~40000	5360~40000	-44.76	<=-27	PASS
	Ant0	5200	30~5140	30~5140	-35.84	<=-27	PASS
			5360~40000	5360~40000	-41.32	<=-27	PASS
	Ant1	5200	30~5140	30~5140	-35.04	<=-27	PASS
			5360~40000	5360~40000	-45.8	<=-27	PASS
	Ant0	5240	30~5140	30~5140	-38.88	<=-27	PASS
			5360~40000	5360~40000	-38.5	<=-27	PASS
	Ant1	5240	30~5140	30~5140	-39.02	<=-27	PASS
			5360~40000	5360~40000	-45.06	<=-27	PASS
	Ant0	5745	30~5650	30~5650	-50.05	<=-27	PASS
			5925~40000	5925~40000	-47.77	<=-27	PASS
	Ant1	5745	30~5650	30~5650	-49.06	<=-27	PASS
			5925~40000	5925~40000	-48.02	<=-27	PASS
	Ant0	5785	30~5650	30~5650	-51.79	<=-27	PASS
			5925~40000	5925~40000	-47.8	<=-27	PASS
	Ant1	5785	30~5650	30~5650	-50.24	<=-27	PASS
			5925~40000	5925~40000	-46.92	<=-27	PASS
	Ant0	5825	30~5650	30~5650	-52.34	<=-27	PASS
			5925~40000	5925~40000	-48.03	<=-27	PASS
	Ant1	5825	30~5650	30~5650	-44.92	<=-27	PASS
			5925~40000	5925~40000	-47.92	<=-27	PASS
11N20 MIMO	Ant0	5180	30~5140	30~5140	-27.25	<=-27	PASS
			5360~40000	5360~40000	-39.6	<=-27	PASS
	Ant1	5180	30~5140	30~5140	-27.28	<=-27	PASS
			5360~40000	5360~40000	-47.06	<=-27	PASS
	Ant0	5200	30~5140	30~5140	-39.93	<=-27	PASS
			5360~40000	5360~40000	-42.5	<=-27	PASS
	Ant1	5200	30~5140	30~5140	-38.28	<=-27	PASS
			5360~40000	5360~40000	-48.07	<=-27	PASS
	Ant0	5240	30~5140	30~5140	-39.48	<=-27	PASS
			5360~40000	5360~40000	-40.91	<=-27	PASS
	Ant1	5240	30~5140	30~5140	-40.89	<=-27	PASS
			5360~40000	5360~40000	-47.56	<=-27	PASS
	Ant0	5745	30~5650	30~5650	-52.19	<=-27	PASS
			5925~40000	5925~40000	-47.36	<=-27	PASS
	Ant1	5745	30~5650	30~5650	-50.32	<=-27	PASS
			5925~40000	5925~40000	-47.69	<=-27	PASS
	Ant0	5785	30~5650	30~5650	-53.45	<=-27	PASS
			5925~40000	5925~40000	-47.46	<=-27	PASS
	Ant1	5785	30~5650	30~5650	-51.53	<=-27	PASS
			5925~40000	5925~40000	-48.23	<=-27	PASS
	Ant0	5825	30~5650	30~5650	-53.93	<=-27	PASS
			5925~40000	5925~40000	-47.86	<=-27	PASS
	Ant1	5825	30~5650	30~5650	-54.52	<=-27	PASS
			5925~40000	5925~40000	-47.81	<=-27	PASS
11N40MIMO	Ant0	5190	30~5140	30~5140	-28.16	<=-27	PASS
			5360~40000	5360~40000	-46.18	<=-27	PASS
	Ant1	5190	30~5140	30~5140	-30.99	<=-27	PASS
			5360~40000	5360~40000	-48.2	<=-27	PASS
	Ant0	5230	30~5140	30~5140	-43.34	<=-27	PASS
			5360~40000	5360~40000	-46.26	<=-27	PASS
	Ant1	5230	30~5140	30~5140	-42.16	<=-27	PASS
			5360~40000	5360~40000	-47.62	<=-27	PASS
	Ant0	5755	30~5650	30~5650	-50.48	<=-27	PASS
			5925~40000	5925~40000	-47.5	<=-27	PASS
	Ant1	5755	30~5650	30~5650	-45.64	<=-27	PASS
			5925~40000	5925~40000	-47.19	<=-27	PASS

	Ant0	5795	30~5650	30~5650	-52.15	<=-27	PASS
			5925~40000	5925~40000	-47.81	<=-27	PASS
	Ant1	5795	30~5650	30~5650	-51.62	<=-27	PASS
			5925~40000	5925~40000	-48.04	<=-27	PASS
11AC20MIMO	Ant0	5180	30~5140	30~5140	-31.34	<=-27	PASS
			5360~40000	5360~40000	-41.14	<=-27	PASS
	Ant1	5180	30~5140	30~5140	-31.78	<=-27	PASS
			5360~40000	5360~40000	-45.68	<=-27	PASS
	Ant0	5200	30~5140	30~5140	-39.12	<=-27	PASS
			5360~40000	5360~40000	-41.62	<=-27	PASS
	Ant1	5200	30~5140	30~5140	-36.99	<=-27	PASS
			5360~40000	5360~40000	-45.75	<=-27	PASS
	Ant0	5240	30~5140	30~5140	-40.26	<=-27	PASS
			5360~40000	5360~40000	-40.33	<=-27	PASS
	Ant1	5240	30~5140	30~5140	-39.1	<=-27	PASS
			5360~40000	5360~40000	-45.03	<=-27	PASS
	Ant0	5745	30~5650	30~5650	-52.1	<=-27	PASS
			5925~40000	5925~40000	-46.9	<=-27	PASS
	Ant1	5745	30~5650	30~5650	-50.11	<=-27	PASS
			5925~40000	5925~40000	-48.05	<=-27	PASS
	Ant0	5785	30~5650	30~5650	-53.51	<=-27	PASS
			5925~40000	5925~40000	-47.17	<=-27	PASS
	Ant1	5785	30~5650	30~5650	-50.7	<=-27	PASS
			5925~40000	5925~40000	-48.48	<=-27	PASS
	Ant0	5825	30~5650	30~5650	-54.66	<=-27	PASS
			5925~40000	5925~40000	-47.98	<=-27	PASS
11AC40MIMO	Ant0	5190	30~5140	30~5140	-32.59	<=-27	PASS
			5360~40000	5360~40000	-46.47	<=-27	PASS
	Ant1	5190	30~5140	30~5140	-29.34	<=-27	PASS
			5360~40000	5360~40000	-48.01	<=-27	PASS
	Ant0	5230	30~5140	30~5140	-44.26	<=-27	PASS
			5360~40000	5360~40000	-46.1	<=-27	PASS
	Ant1	5230	30~5140	30~5140	-39.09	<=-27	PASS
			5360~40000	5360~40000	-47.02	<=-27	PASS
	Ant0	5755	30~5650	30~5650	-49.42	<=-27	PASS
			5925~40000	5925~40000	-47.69	<=-27	PASS
	Ant1	5755	30~5650	30~5650	-47.36	<=-27	PASS
			5925~40000	5925~40000	-47.59	<=-27	PASS
	Ant0	5795	30~5650	30~5650	-52.81	<=-27	PASS
			5925~40000	5925~40000	-47.36	<=-27	PASS
	Ant1	5795	30~5650	30~5650	-50.61	<=-27	PASS
			5925~40000	5925~40000	-47.29	<=-27	PASS
11AC80MIMO	Ant0	5210	30~5140	30~5140	-30.76	<=-27	PASS
			5360~40000	5360~40000	-46.21	<=-27	PASS
	Ant1	5210	30~5140	30~5140	-28.96	<=-27	PASS
			5360~40000	5360~40000	-44.82	<=-27	PASS
	Ant0	5775	30~5650	30~5650	-46.18	<=-27	PASS
			5925~40000	5925~40000	-47.43	<=-27	PASS
	Ant1	5775	30~5650	30~5650	-44.27	<=-27	PASS
			5925~40000	5925~40000	-46.77	<=-27	PASS

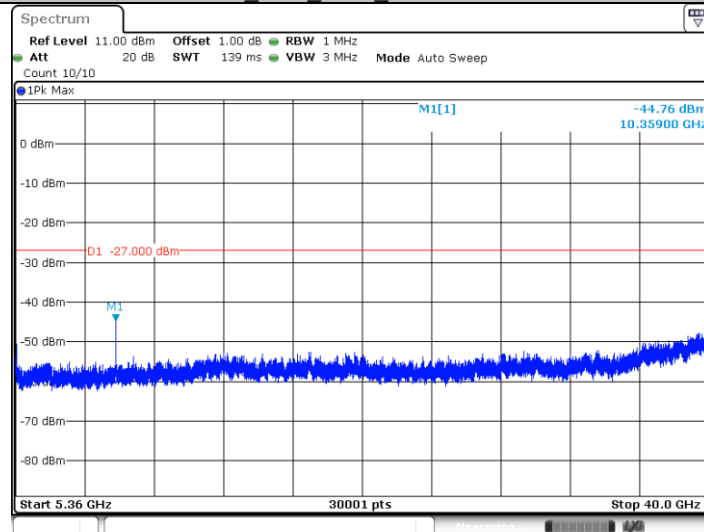
Test Graphs as below:





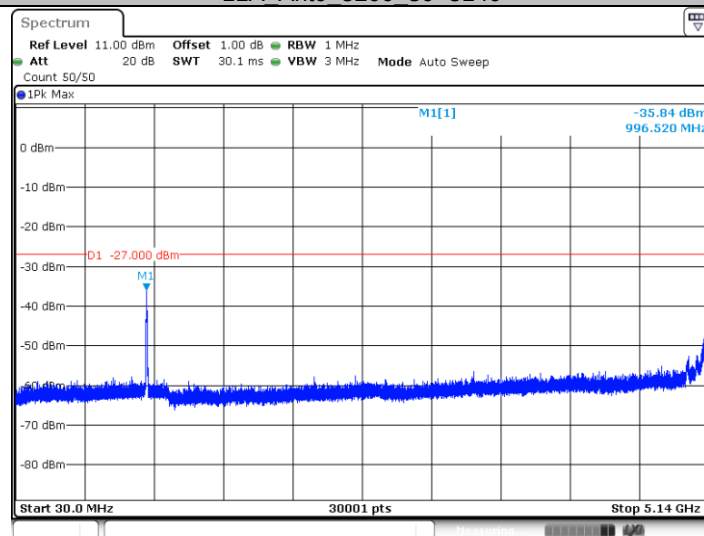
Date: 24 JUN 2021 16:30:40

11A_Ant0_5180_5360~40000



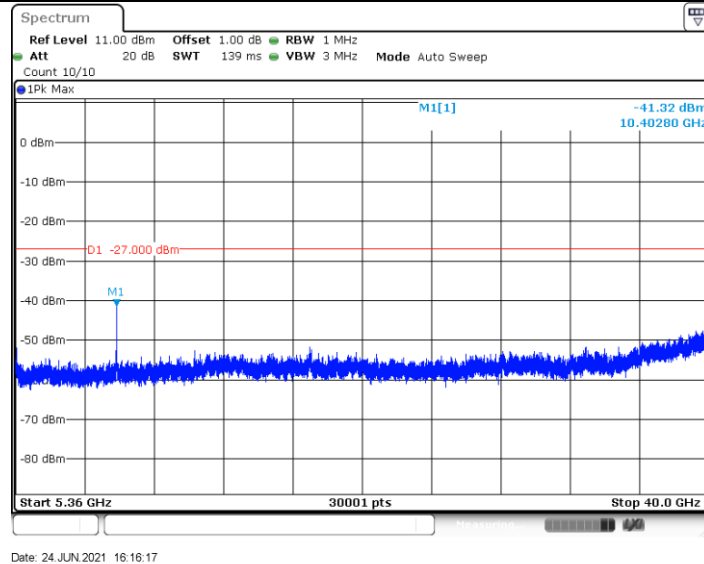
Date: 24 JUN 2021 16:30:45

11A_Ant0_5200_30~5140

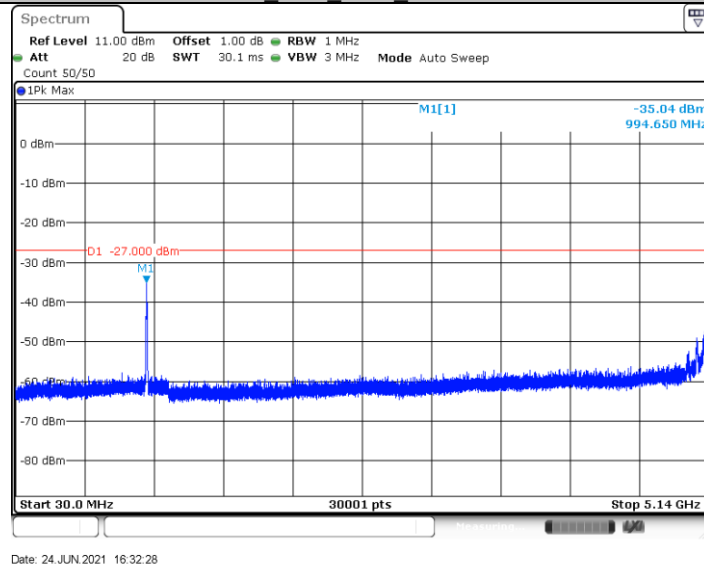


Date: 24 JUN 2021 16:16:12

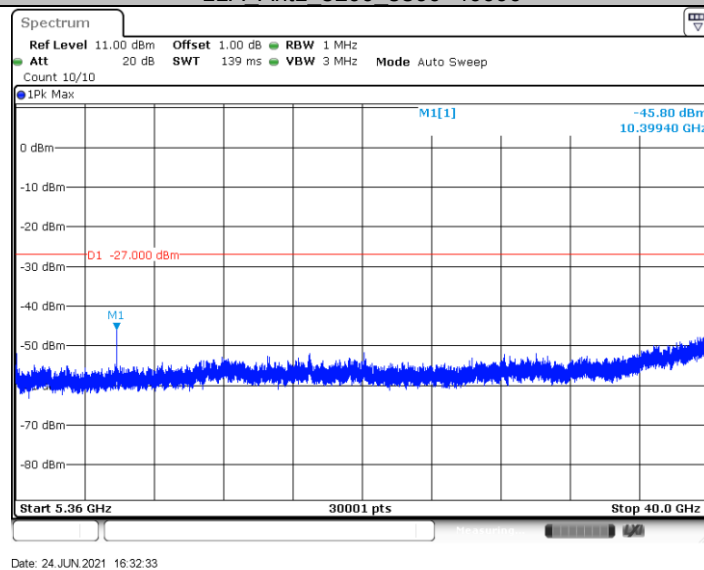
11A_Ant0_5200_5360~40000



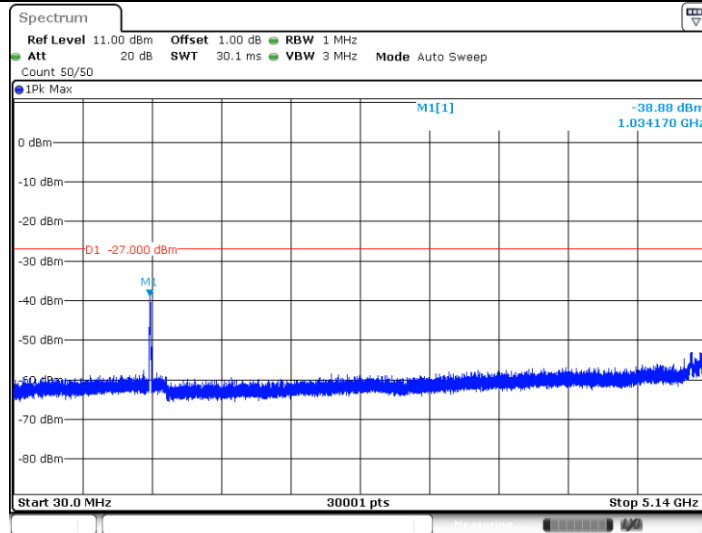
11A Ant1 5200 30-5140



11A Ant1 5200 5360-40000

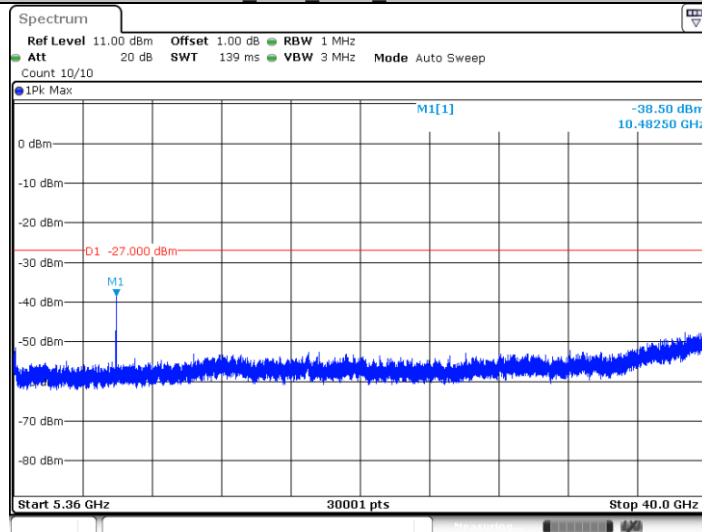


11A Ant0 5240 30-5140



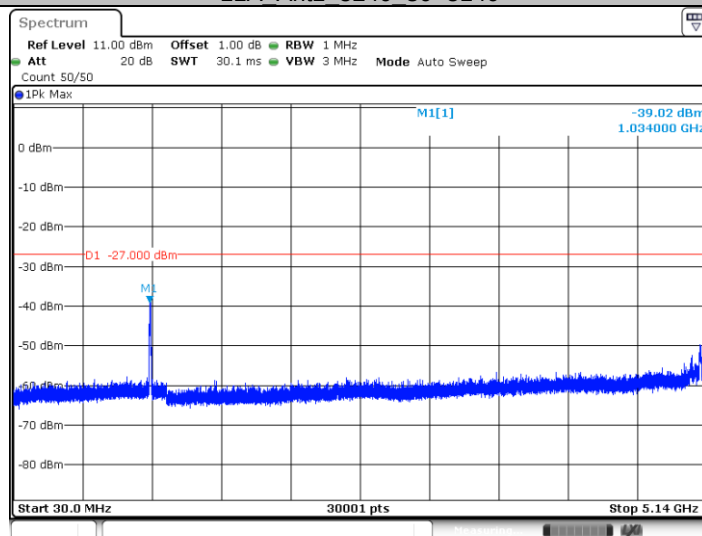
Date: 24 JUN 2021 16:17:46

11A Ant0 5240 5360-40000



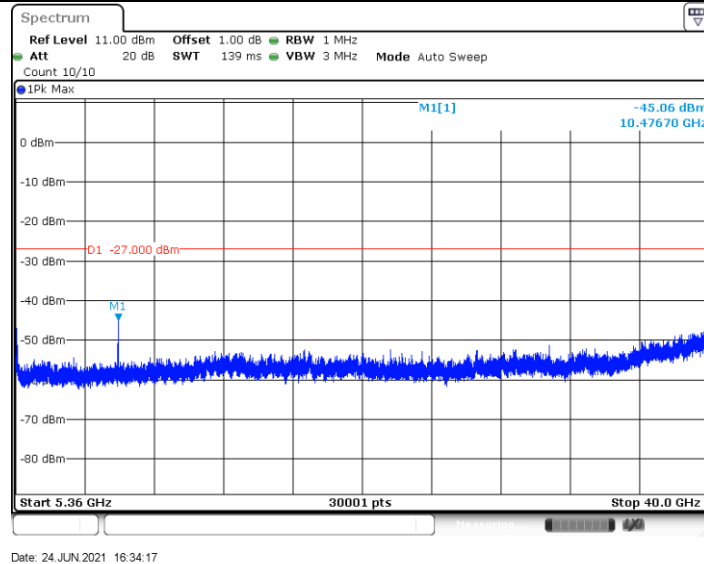
Date: 24 JUN 2021 16:17:51

11A Ant1 5240 30-5140

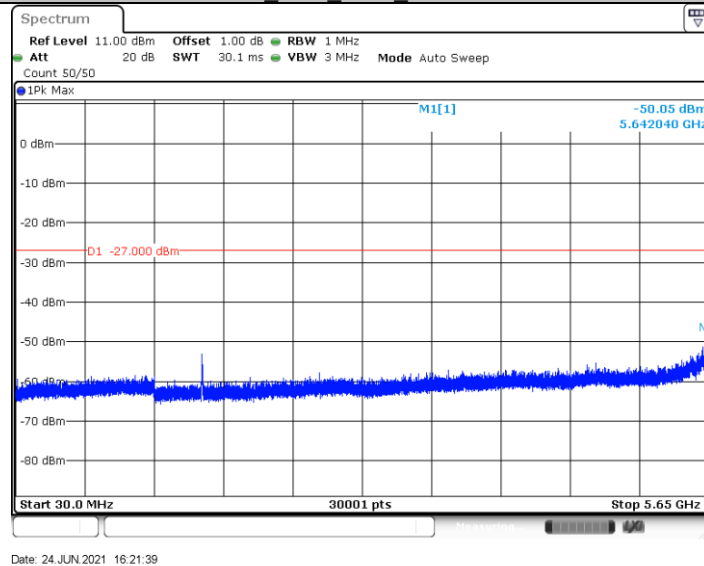


Date: 24 JUN 2021 16:34:12

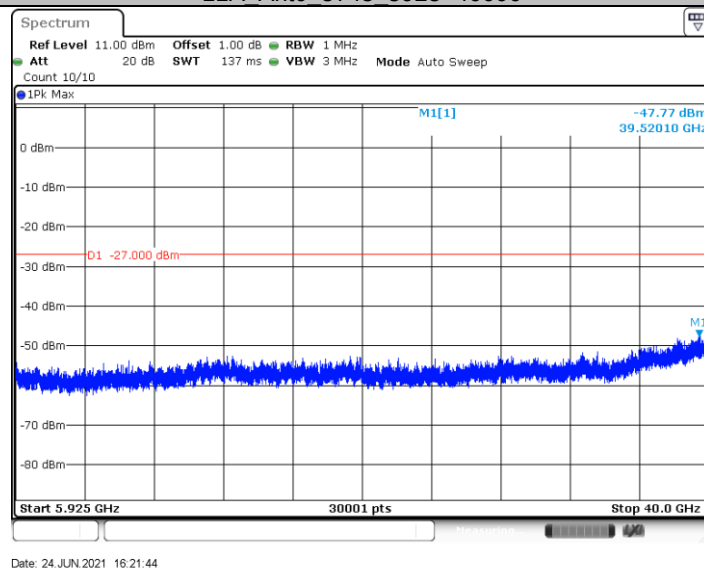
11A Ant1 5240 5360-40000



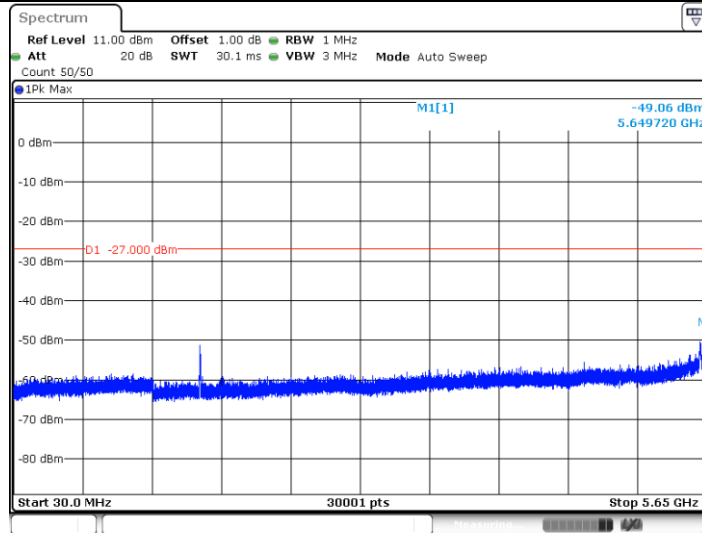
11A Ant0 5745 30-5650



11A Ant0 5745 5925-40000

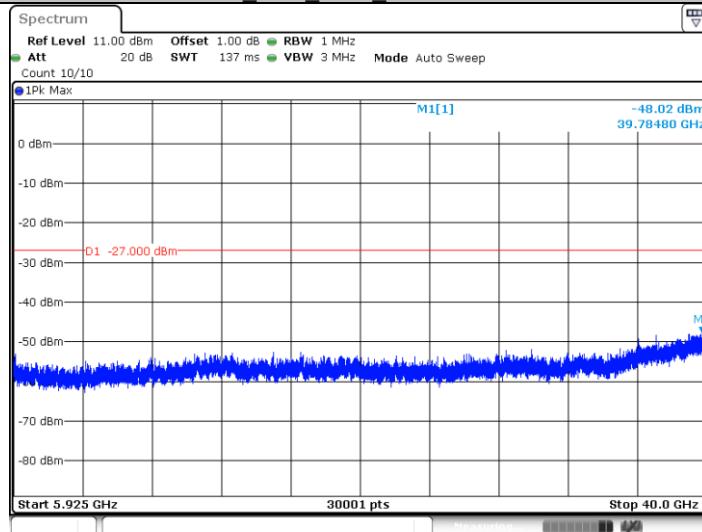


11A Ant1 5745 30-5650



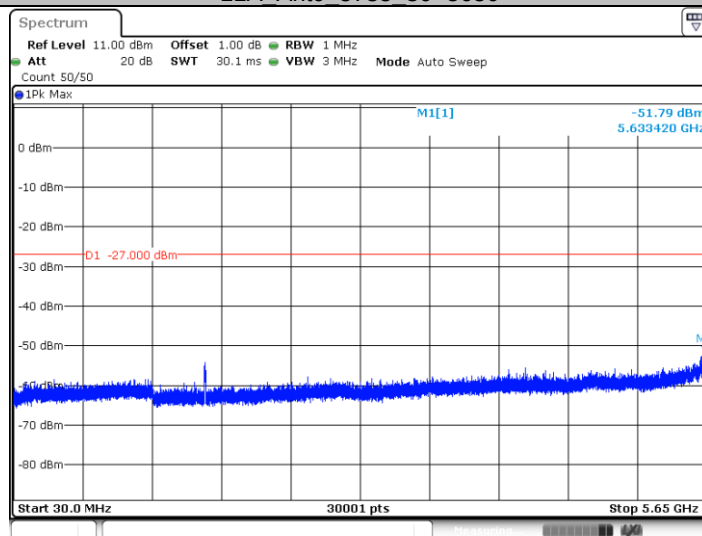
Date: 24 JUN 2021 16:36:33

11A Ant1 5745 5925-40000



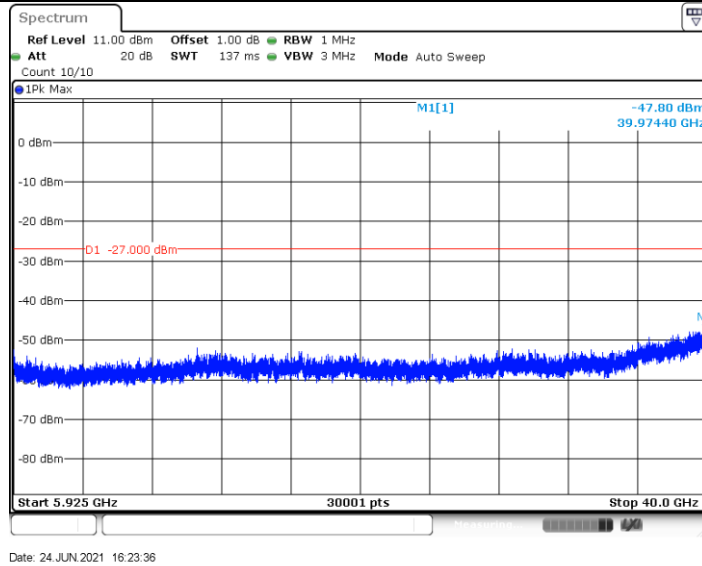
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11A Ant0 5785 30-5650

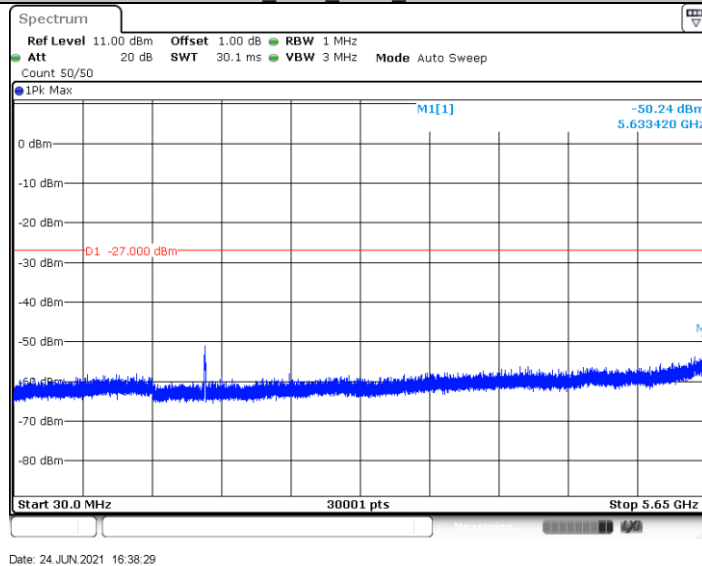


Date: 24 JUN 2021 16:23:31

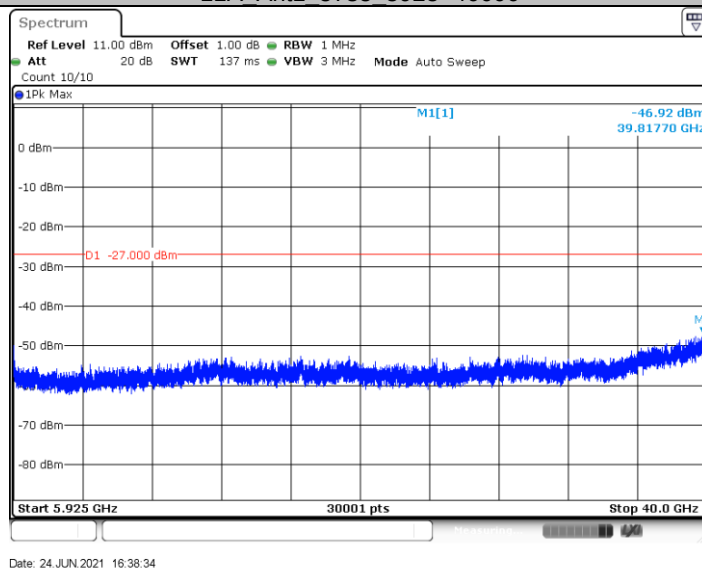
11A Ant0 5785 5925-40000



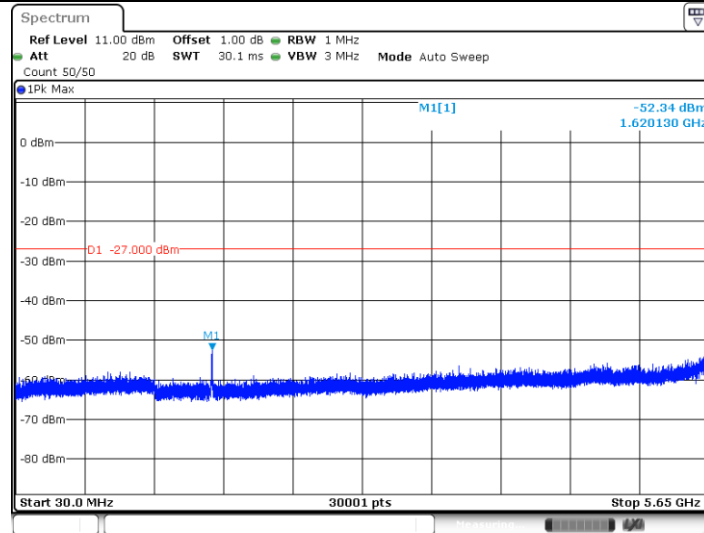
11A Ant1 5785 30-5650



11A Ant1 5785 5925-40000

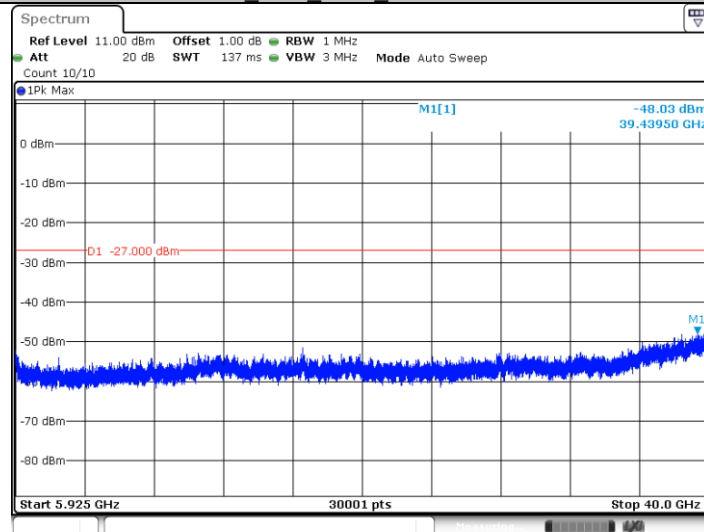


11A Ant0 5825 30-5650



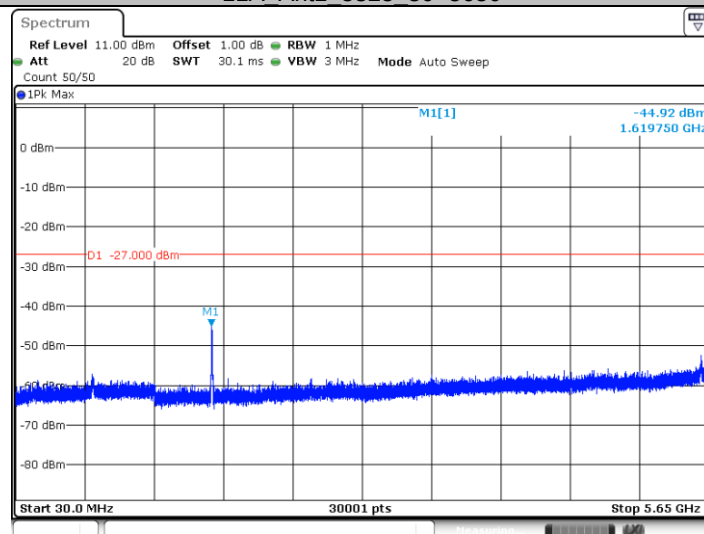
Date: 24 JUN 2021 16:25:27

11A_Ant0_5825_5925~40000



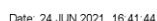
Date: 24 JUN 2021 16:25:32

11A_Ant1_5825_30~5650



Date: 24 JUN 2021 16:41:39

11A_Ant1_5825_5925~40000



Spectrum

Ref Level 11.00 dBm Offset 1.00 dB RBW 1 MHz
 Att 20 dB SWT 30.1 ms VBW 3 MHz Mode Auto Sweep
 Count 50/50

1Pk Max

M1[1] -27.25 dBm
 5.138380 GHz

D1 -27.000 dBm

Start 30.0 MHz 30001 pts Stop 5.14 GHz

Date: 24 JUN 2021 17:36:14

Spectrum

Ref Level 11.00 dBm Offset 1.00 dB RBW 1 MHz
 Att 20 dB SWT 139 ms VBW 3 MHz Mode Auto Sweep

Count 10/10

1Pk Max

0 dBm
 -10 dBm
 -20 dBm
 -30 dBm
 -40 dBm
 -50 dBm
 -60 dBm
 -70 dBm
 -80 dBm

M1[1] -39.60 dBm
 10.36010 GHz

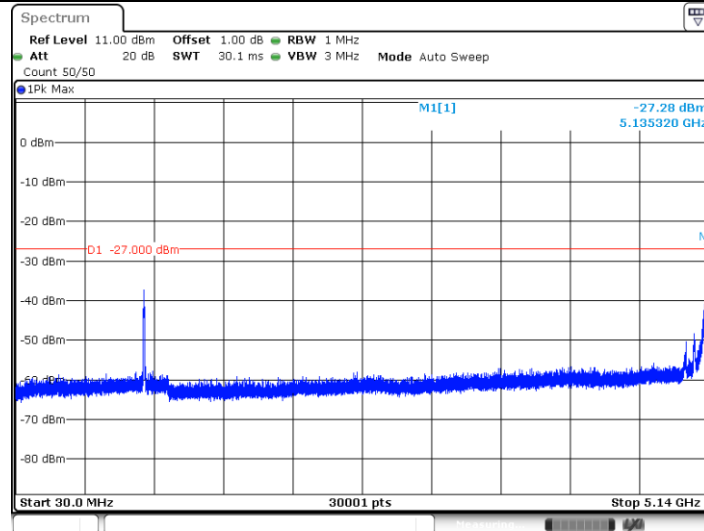
D1 -27.000 dBm

M1

Start 5.36 GHz 30001 pts Stop 40.0 GHz

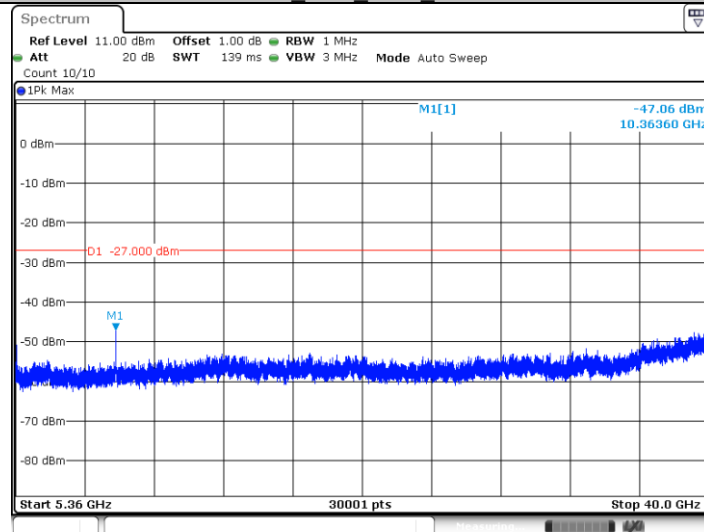
Date: 24 JUN 2021 17:36:19

11N20MIMO Ant1 5180 30~5140



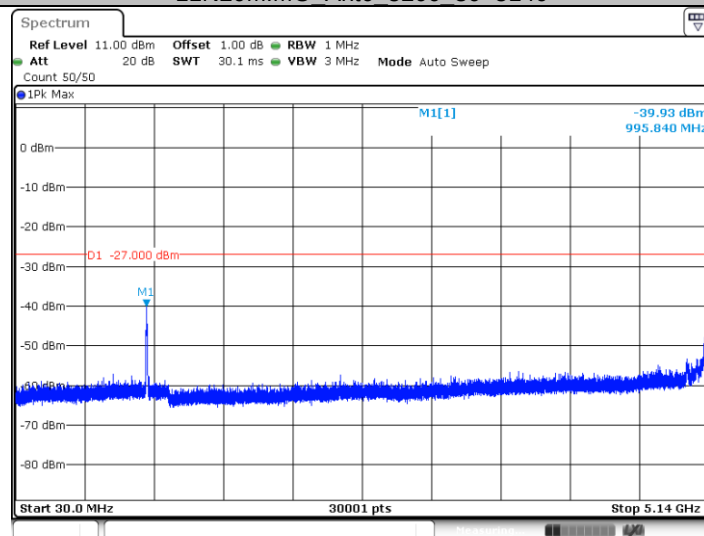
Date: 24 JUN 2021 19:02:42

11N20MIMO_Ant0_5180_5360-40000



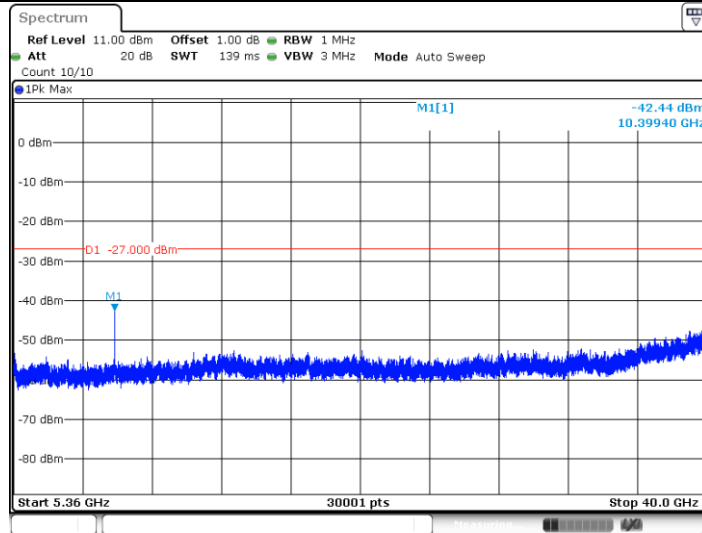
Date: 24 JUN 2021 19:02:47

11N20MIMO_Ant0_5200_30-5140



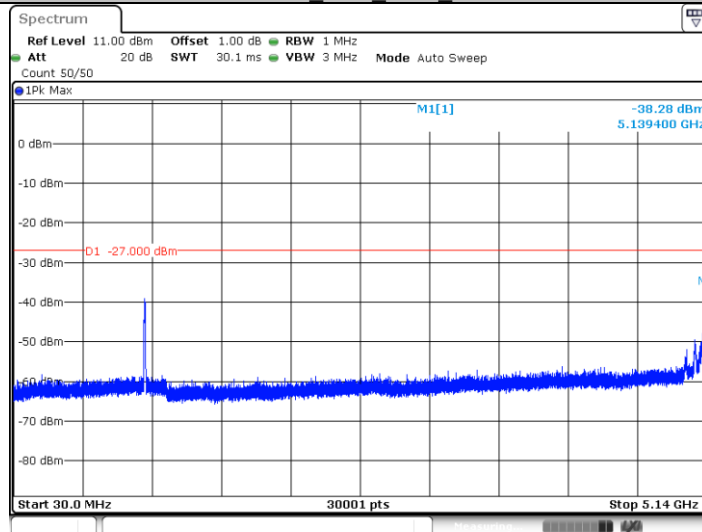
Date: 24 JUN 2021 17:38:20

11N20MIMO_Ant0_5200_5360-40000



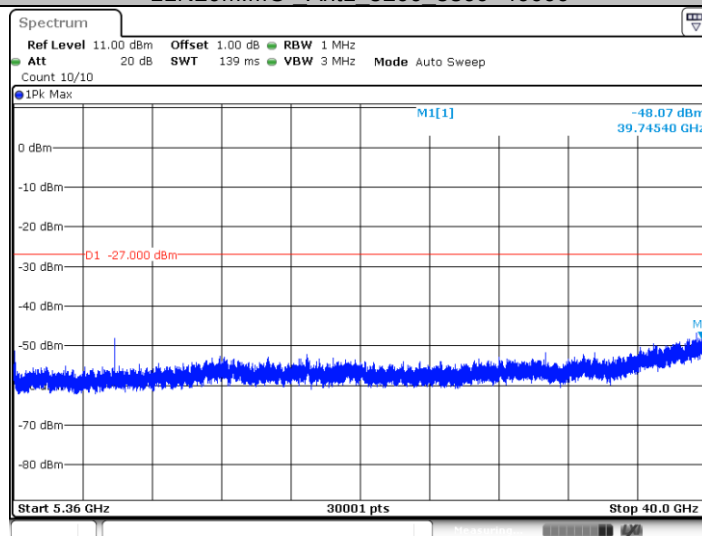
Date: 24 JUN 2021 17:38:25

11N20MIMO Ant1 5200 30-5140



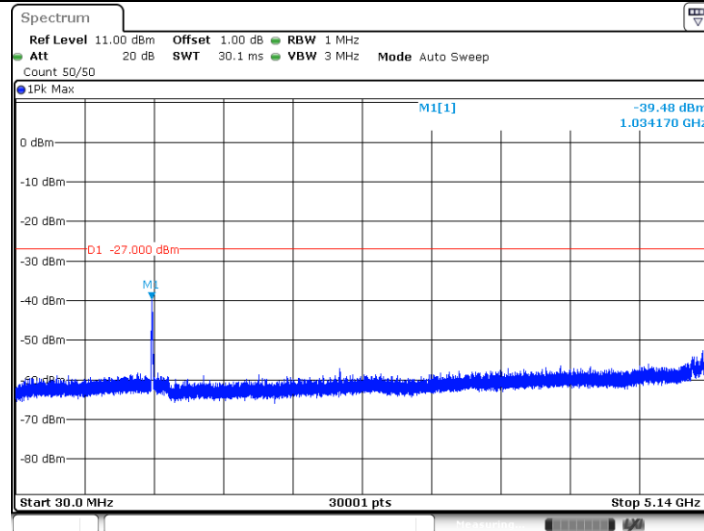
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11N20MIMO Ant1 5200 5360-40000



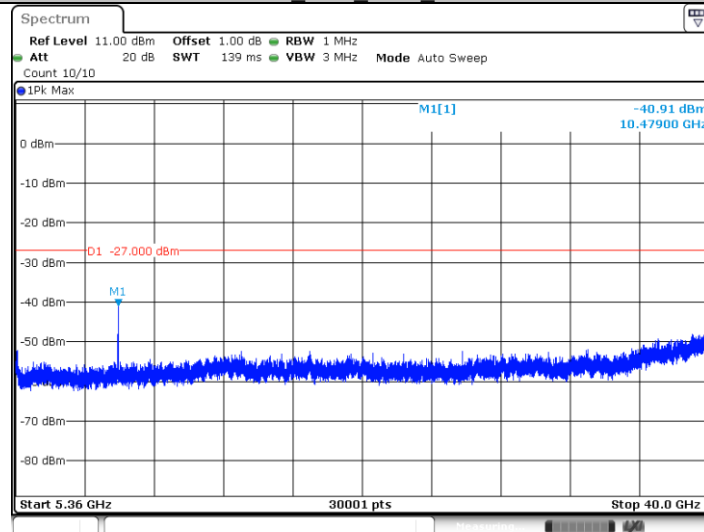
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11N20MIMO Ant0 5240 30-5140



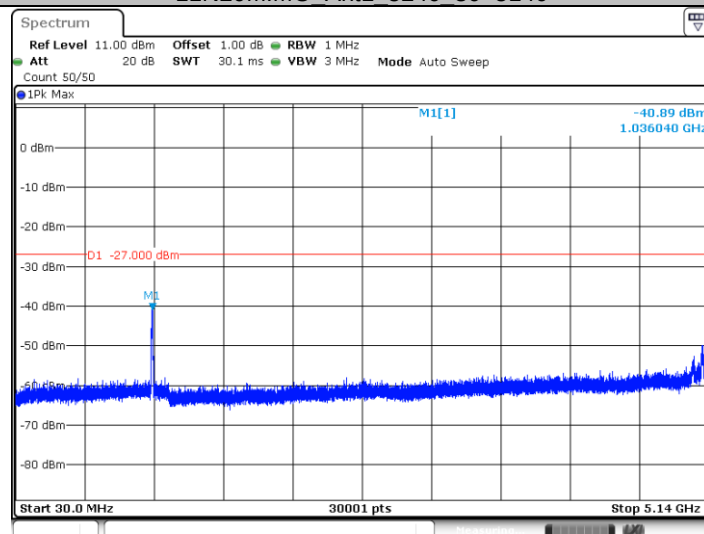
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11N20MIMO_Ant0_5240_5360-40000



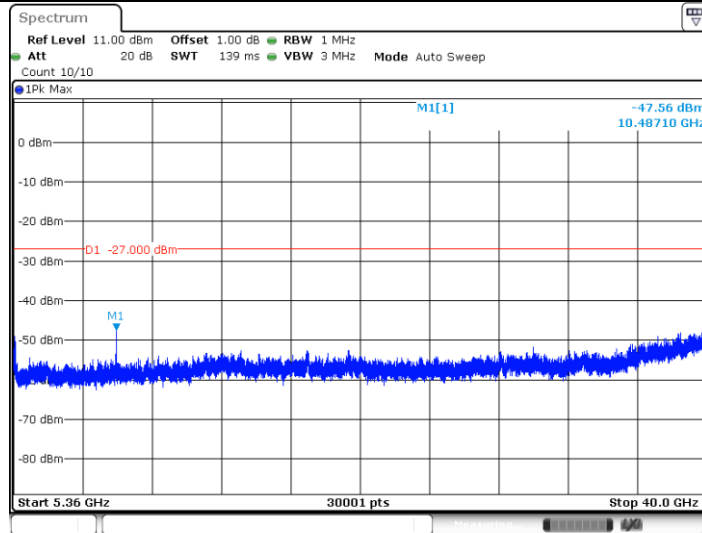
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11N20MIMO_Ant1_5240_30-5140



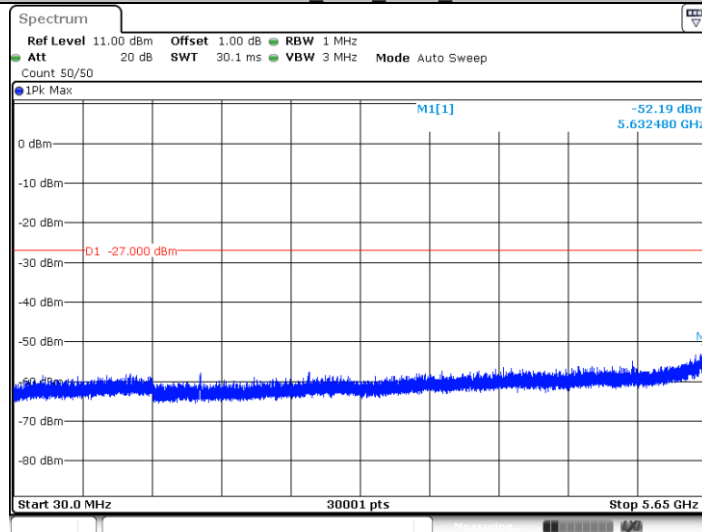
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11N20MIMO_Ant1_5240_5360-40000



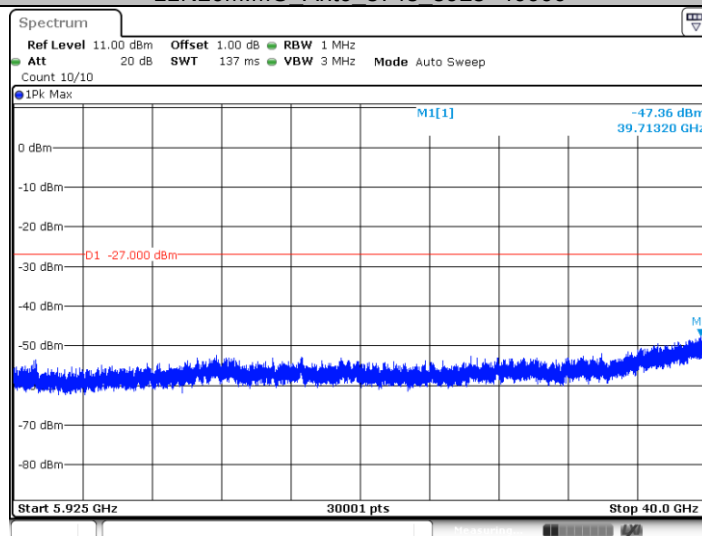
Date: 24 JUN 2021 19:06:04

11N20MIMO Ant0 5745 30-5650



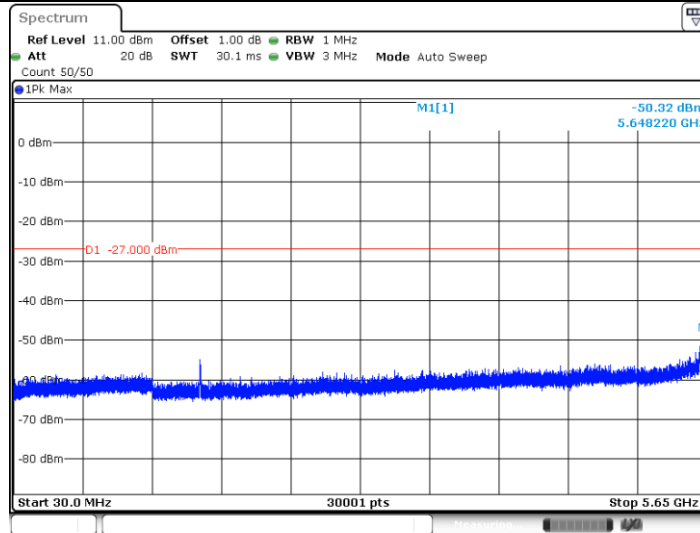
Date: 24 JUN 2021 17:50:07

11N20MIMO Ant0 5745 5925-40000



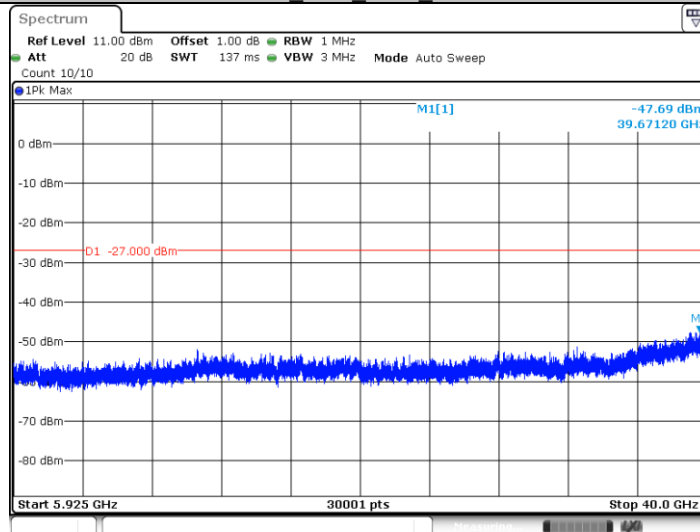
Date: 24 JUN 2021 17:50:12

11N20MIMO Ant1 5745 30-5650



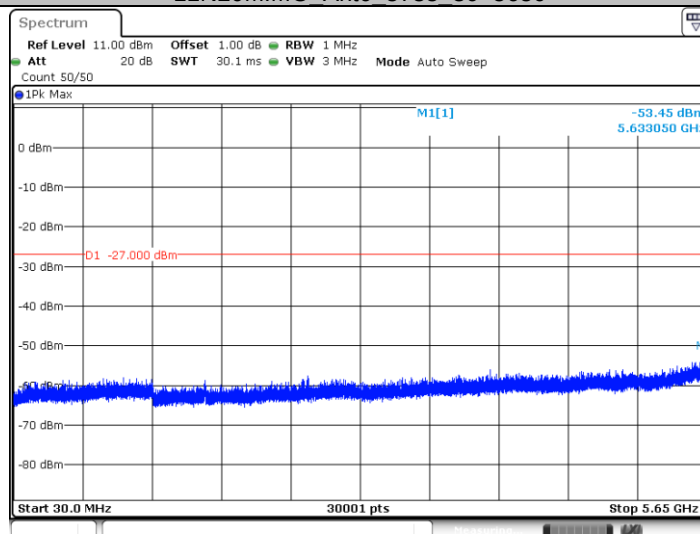
Date: 24 JUN 2021 19:08:06

11N20MIMO_Ant1 5745 5925~40000



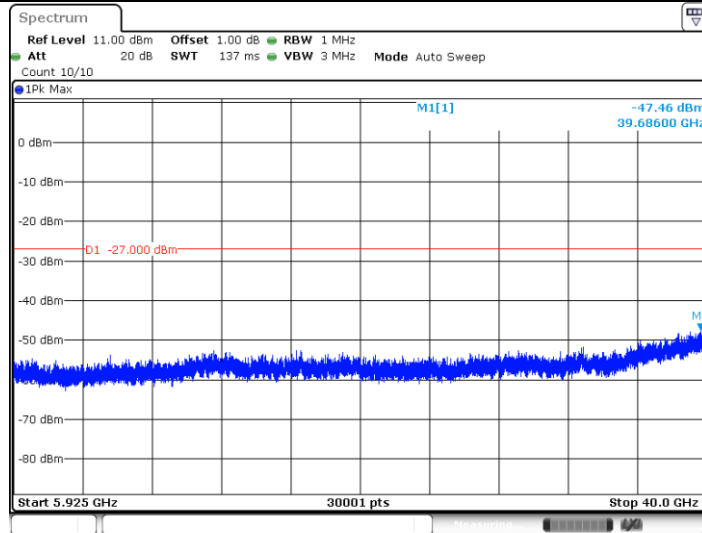
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11N20MIMO_Ant0 5785 30~5650



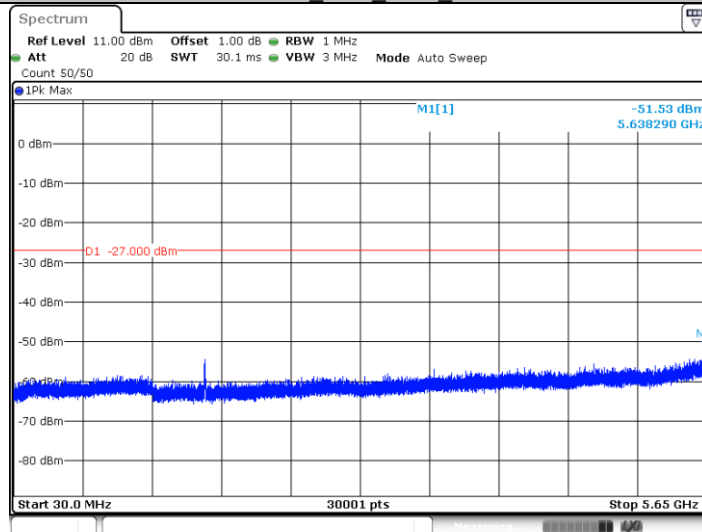
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11N20MIMO_Ant0 5785 5925~40000



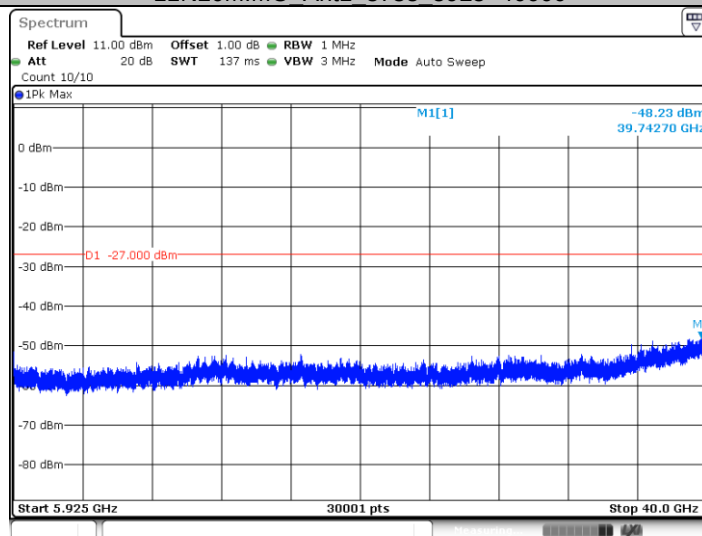
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11N20MIMO Ant1 5785 30-5650



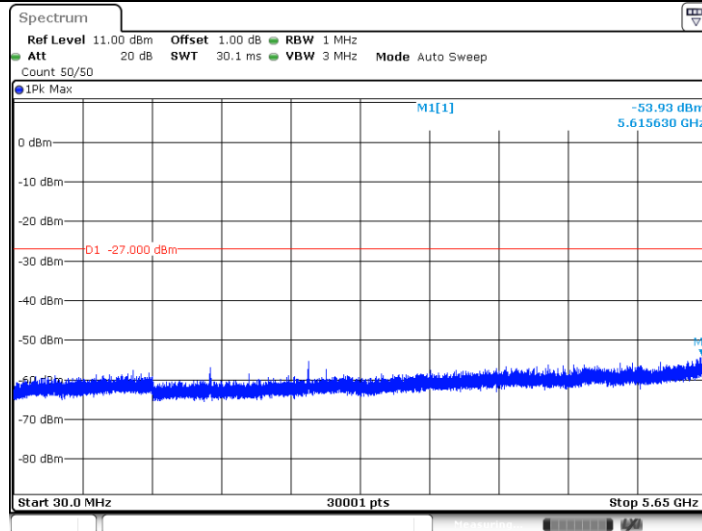
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11N20MIMO Ant1 5785 5925-40000



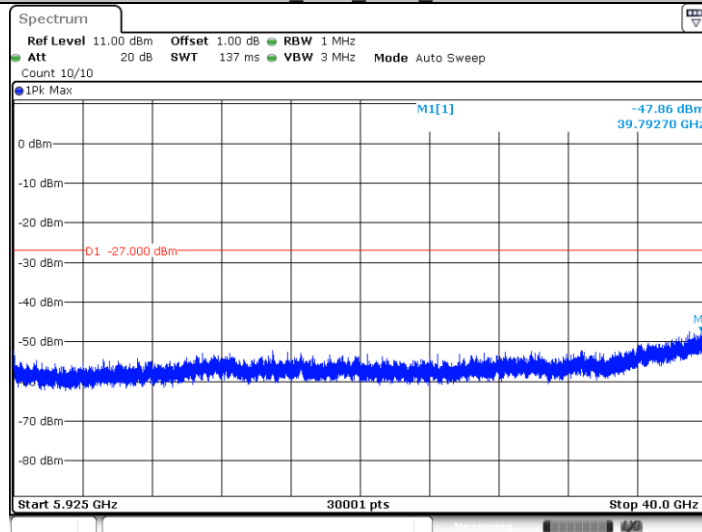
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11N20MIMO Ant0 5825 30-5650



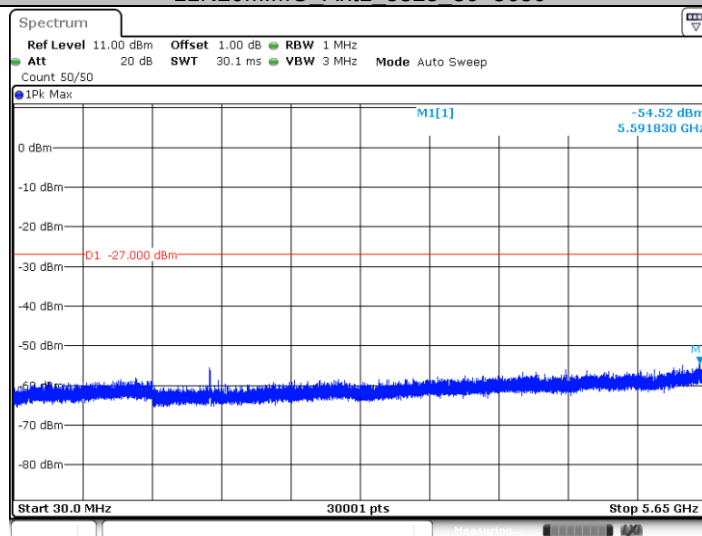
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11N20MIMO_Ant0_5825_5925-40000



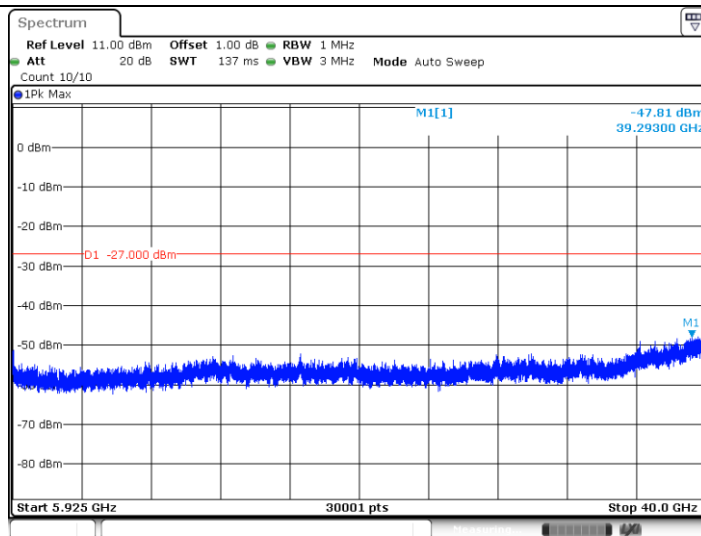
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11N20MIMO_Ant1_5825_30-5650



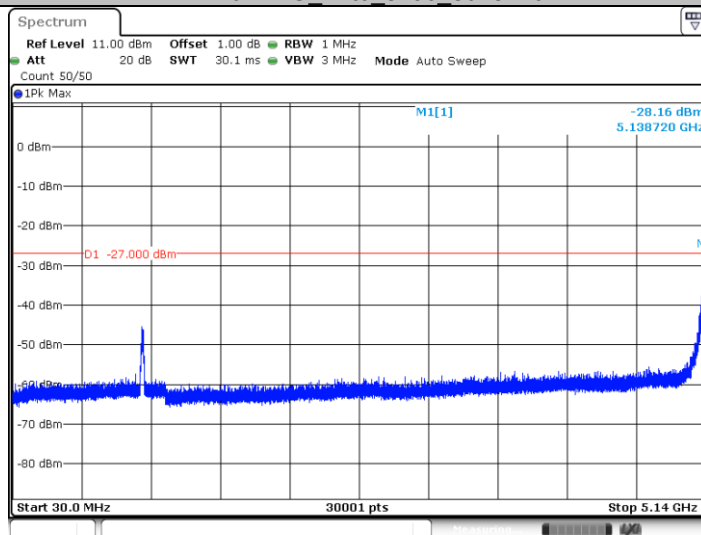
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11N20MIMO_Ant1_5825_5925-40000



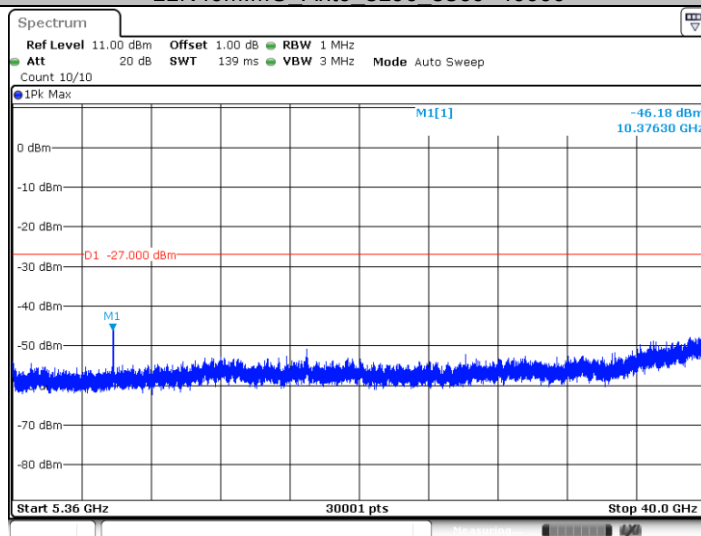
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11N40MIMO Ant0 5190 30-5140



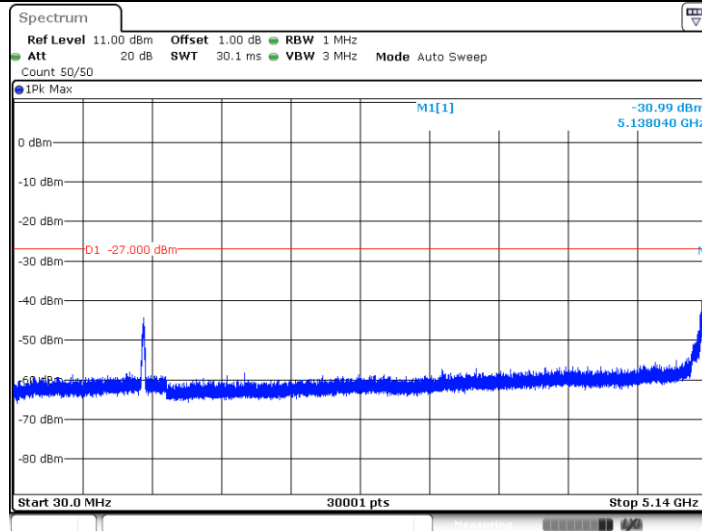
Date: 24 JUN 2021 18:03:50

11N40MIMO Ant0 5190 5360-40000



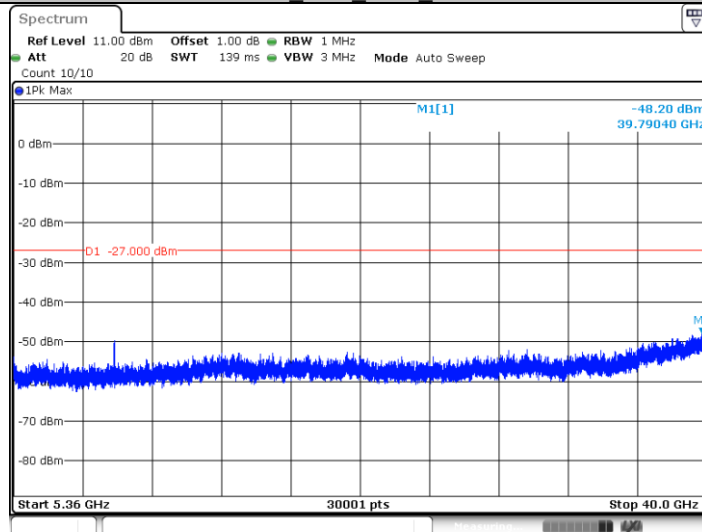
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11N40MIMO Ant0 5190 30-5140



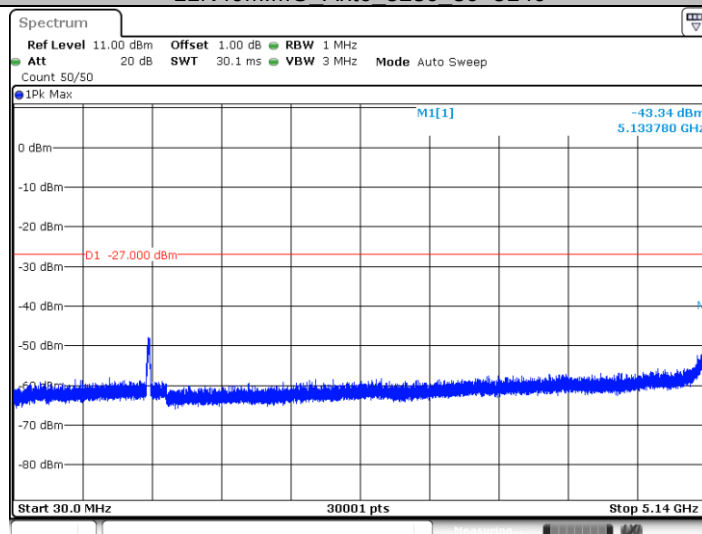
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11N40MIMO_Ant1 5190 5360-40000



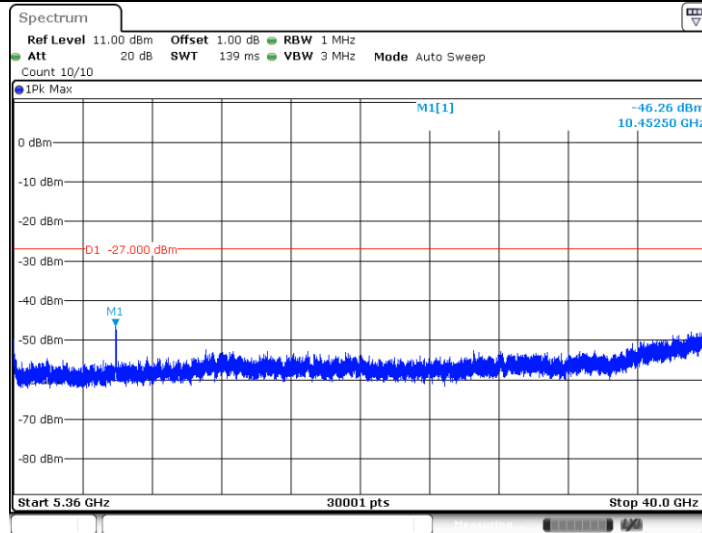
Date: 24 JUN 2021 19:15:16

11N40MIMO_Ant0 5230 30-5140



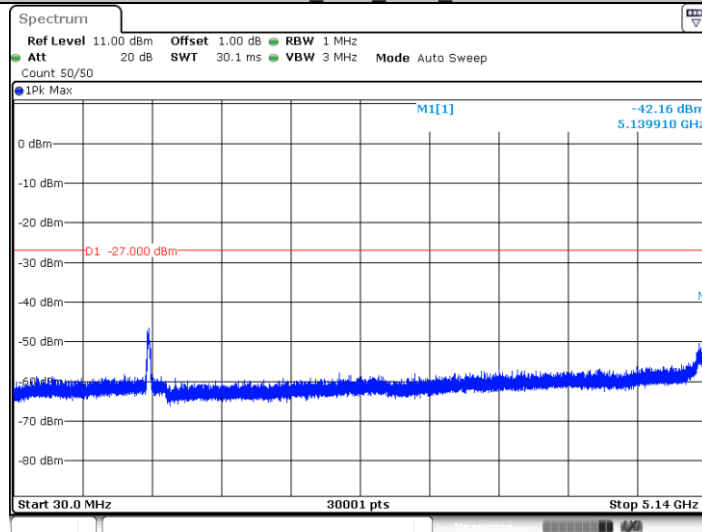
Date: 24 JUN 2021 18:06:04

11N40MIMO_Ant0 5230 5360-40000



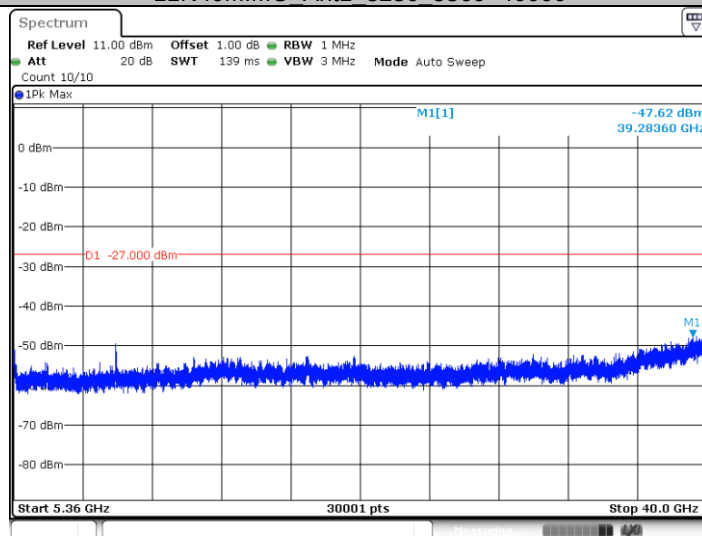
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11N40MIMO Ant1 5230 30-5140



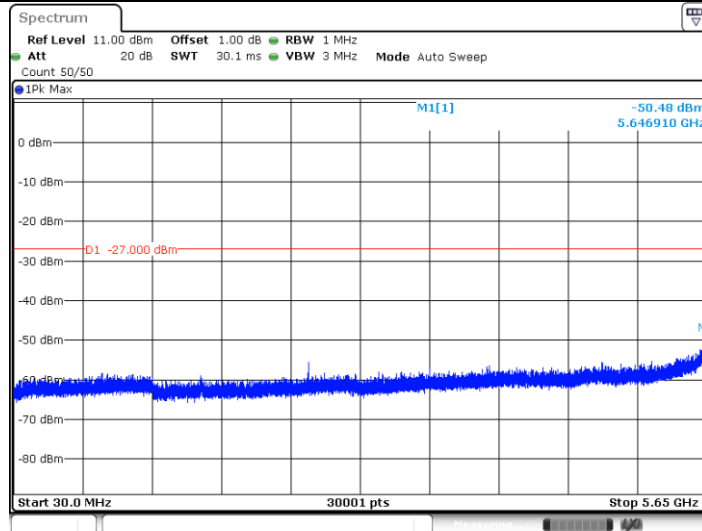
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11N40MIMO Ant1 5230 5360-40000



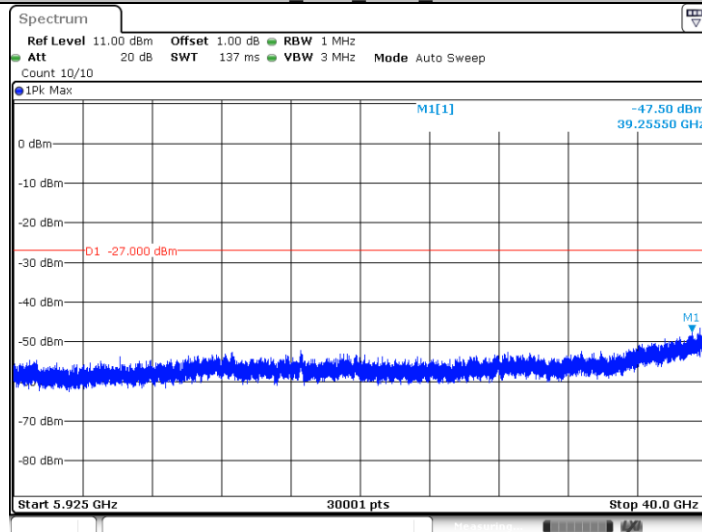
Date: 24 JUN 2021 19:17:30

11N40MIMO Ant0 5755 30-5650



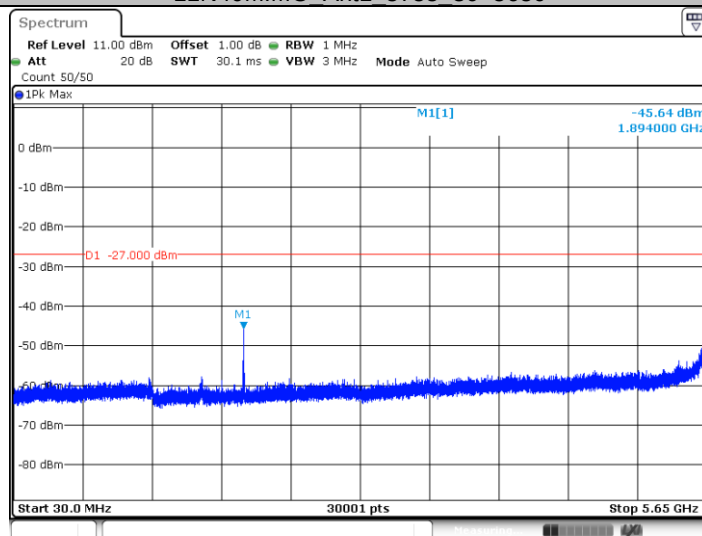
Date: 24 JUN 2021 18:09:12

11N40MIMO_Ant0_5755_5925-40000



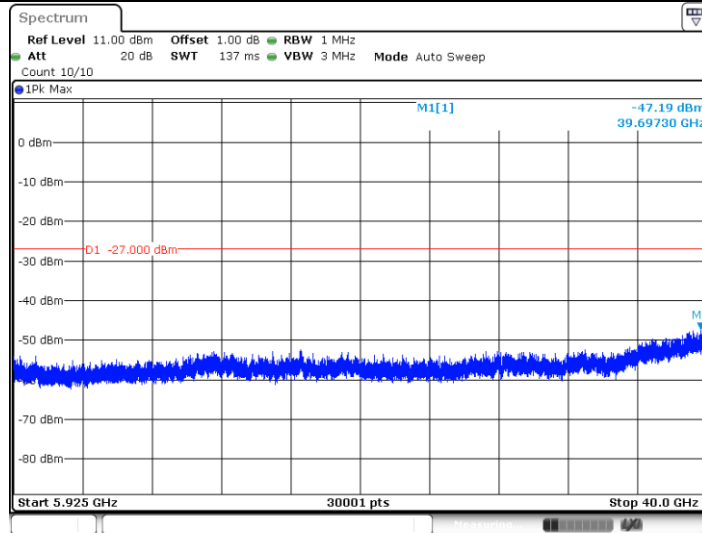
Date: 24 JUN 2021 18:09:18

11N40MIMO_Ant1_5755_30-5650



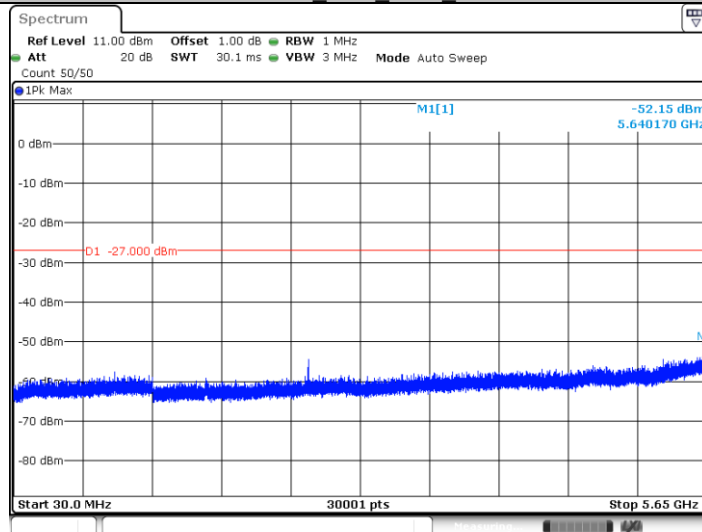
Date: 24 JUN 2021 19:19:36

11N40 MIMO_Ant1_5755_5925-40000



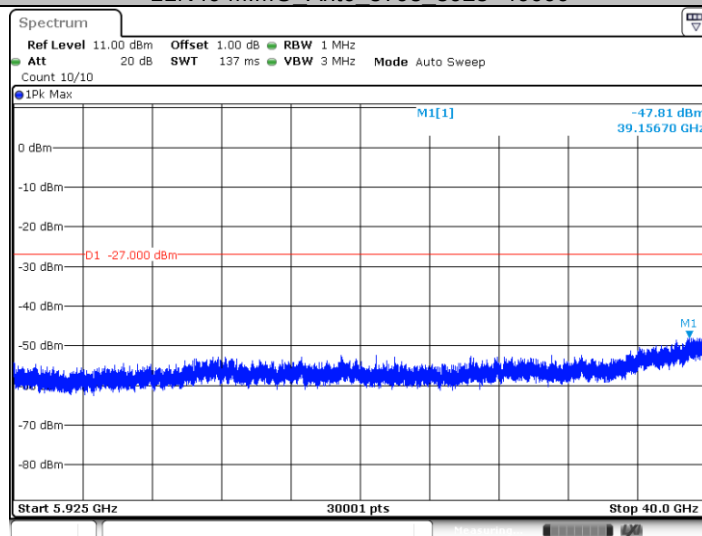
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11N40 MIMO Ant0 5795 30~5650



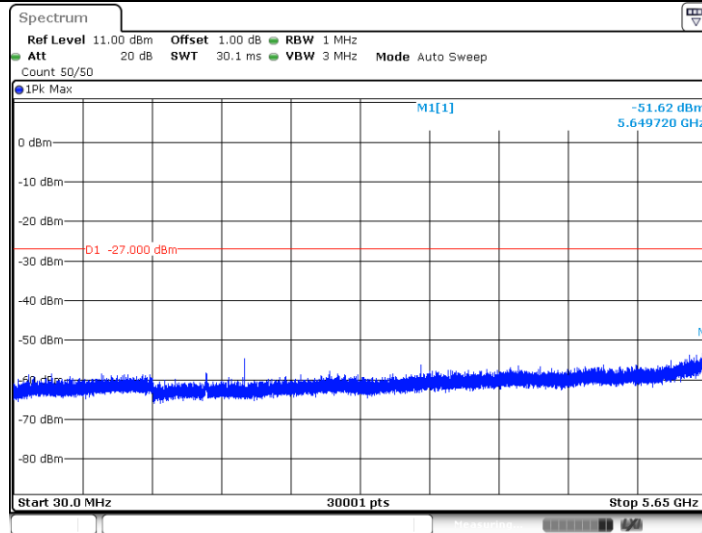
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11N40 MIMO Ant0 5795 5925~40000



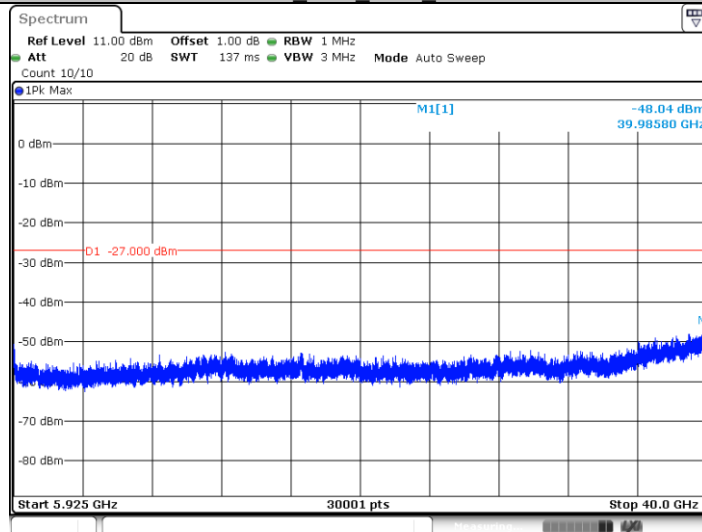
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11N40 MIMO Ant1 5795 30~5650



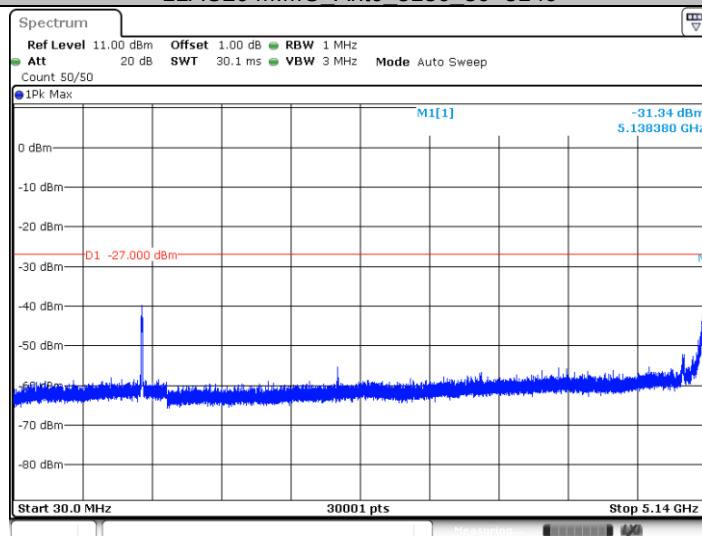
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11N40 MIMO_Ant1 5795 5925~40000



Date: 24 JUN 2021 19:22:41

11AC20 MIMO_Ant0 5180 30~5140



Date: 24 JUN 2021 18:19:24

11AC20 MIMO_Ant0 5180 5360~40000