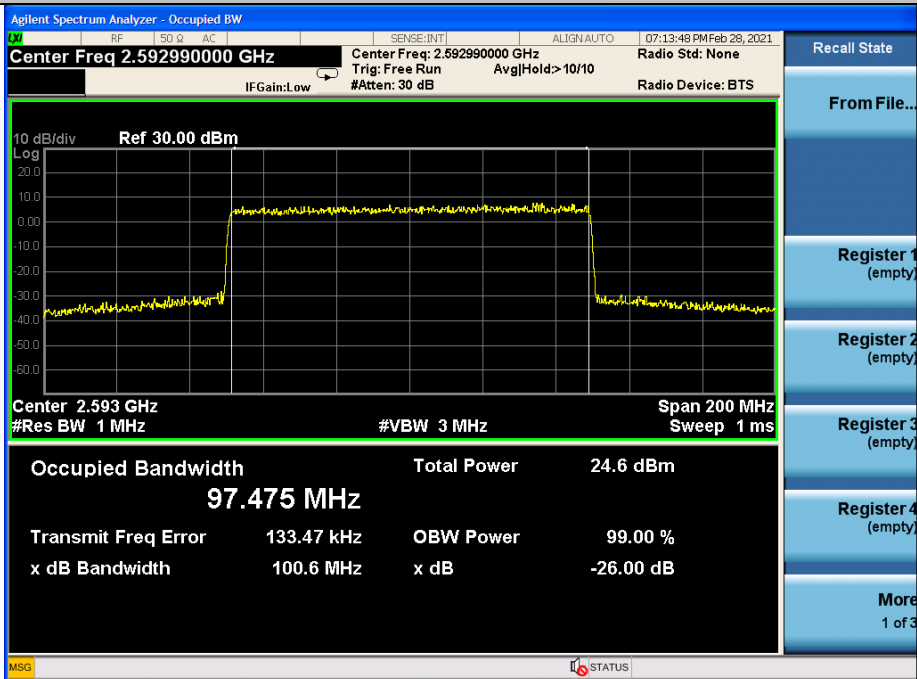
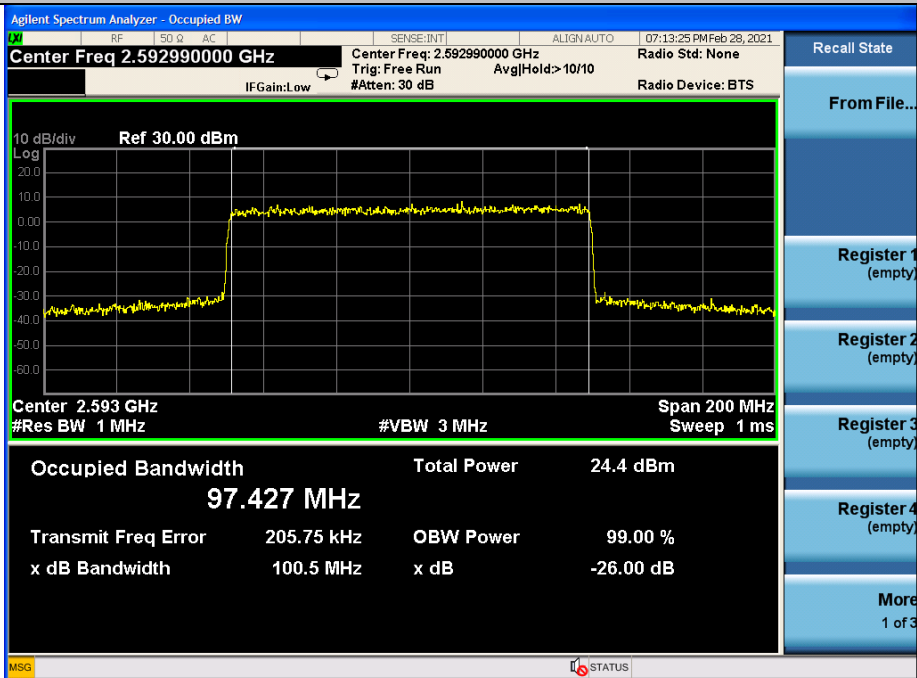


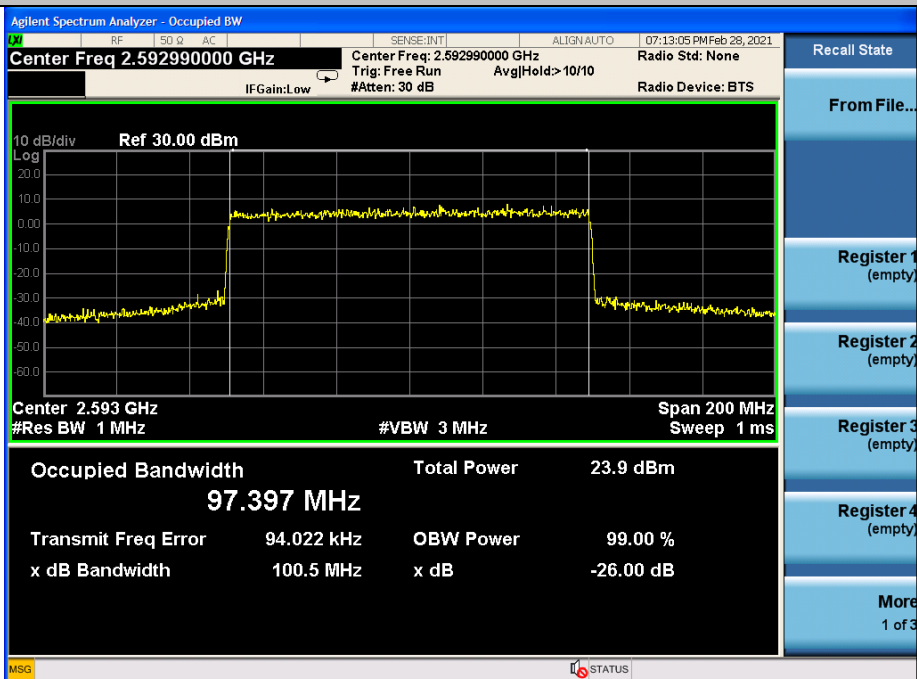
OBW&EBW N41 30KHz TM6 100MHz 518598 Outer Full



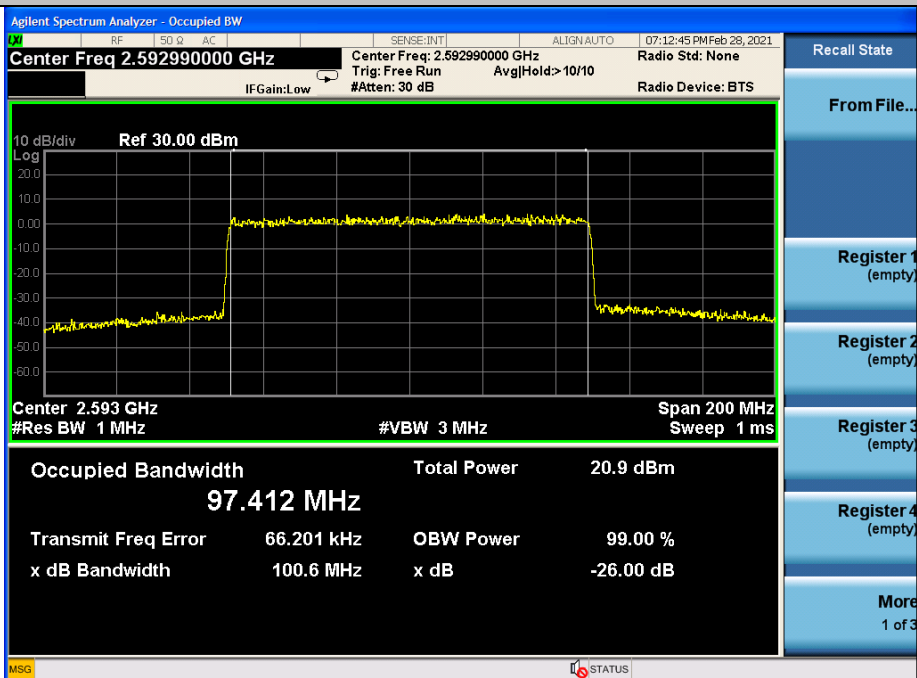
OBW&EBW N41 30KHz TM7 100MHz 518598 Outer Full



OBW&EBW N41 30KHz TM8 100MHz 518598 Outer Full



OBW&EBW N41 30KHz TM9 100MHz 518598 Outer Full



REMARK:

All antenna and all modulation had been tested, but only the worst case data displayed in this report



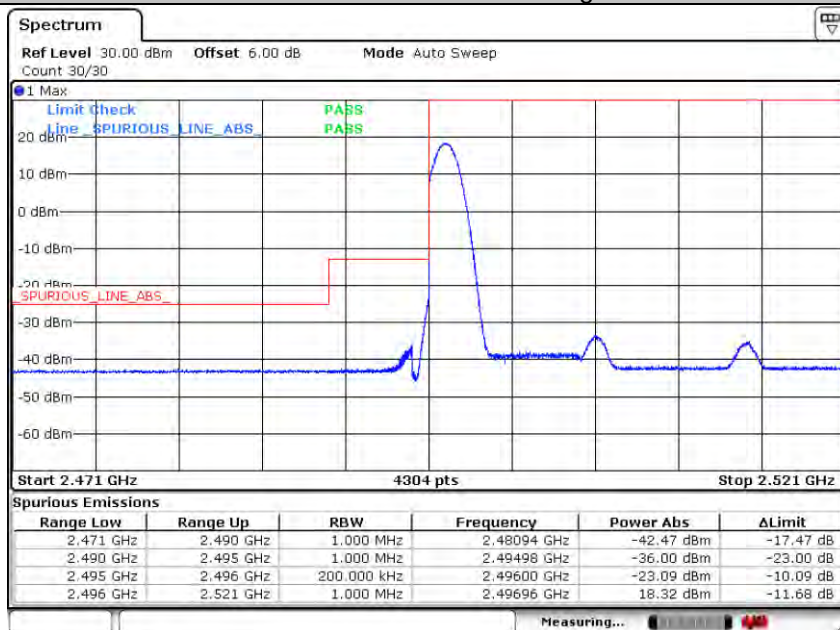
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5 Band Edges Compliance

5.1 Test Plots

N41 30KHz TM1 20MHz 501204 Edge 1RB Left



Date: 8.MAR.2021 17:01:57

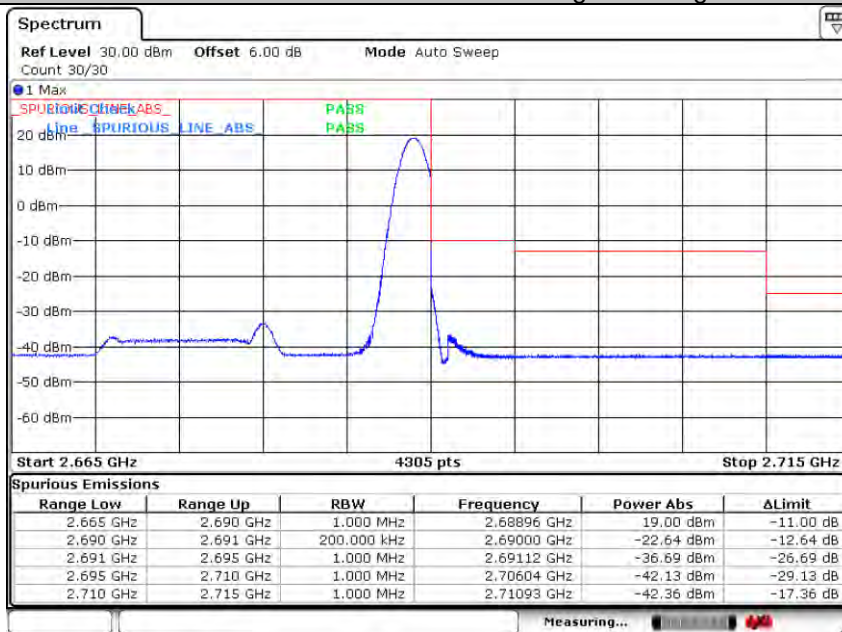
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Date: 8.MAR.2021 17:03:06

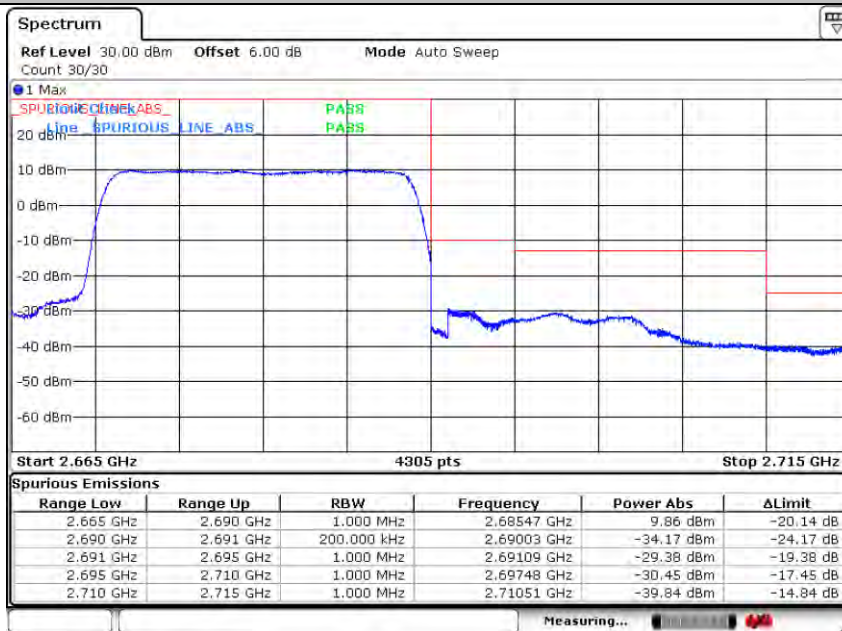


N41 30KHz TM1 20MHz 535998 Edge 1RB Right



Date: 8.MAR.2021 15:40:48

N41 30KHz TM1 20MHz 535998 Outer Full



Date: 8.MAR.2021 15:39:30



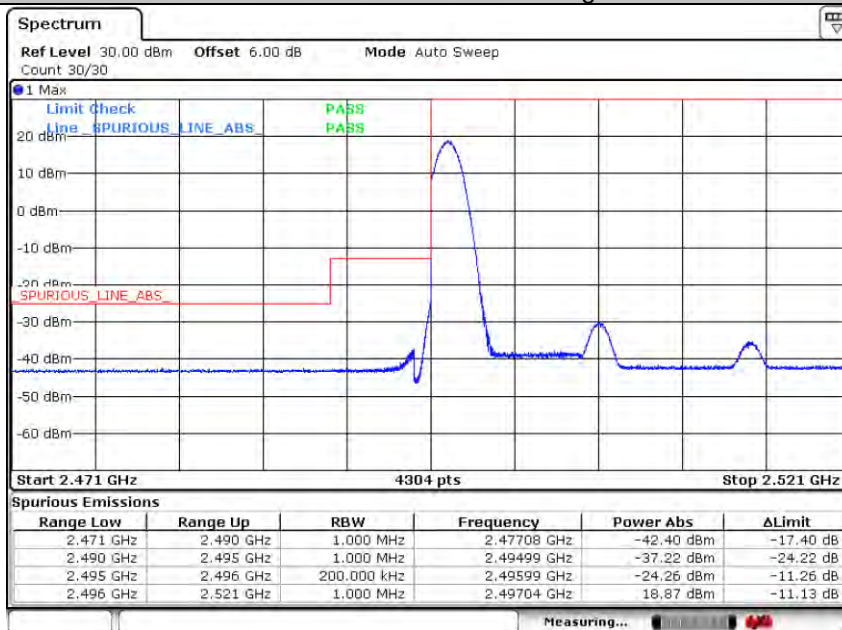
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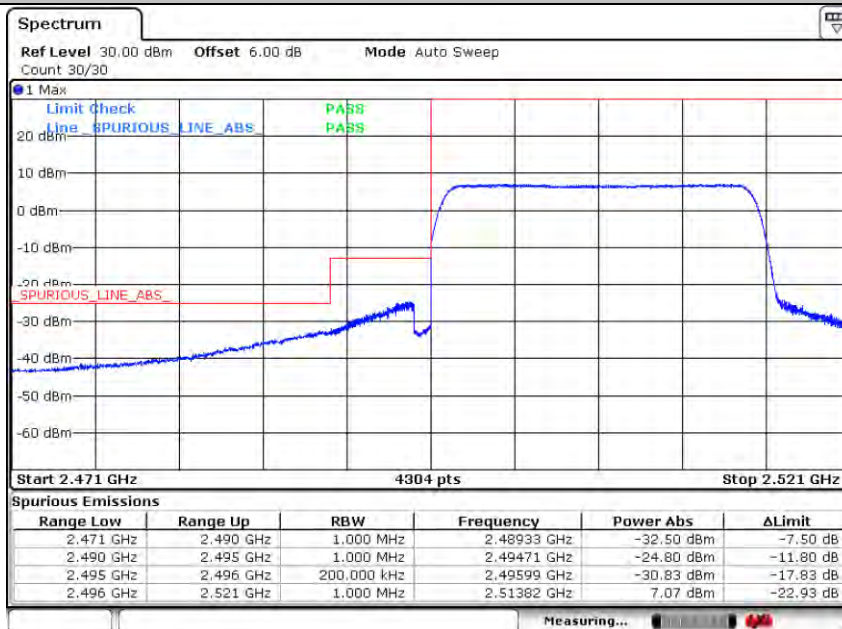
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N41 30KHz TM6 20MHz 501204 Edge 1RB Left



Date: 8.MAR.2021 17:07:09

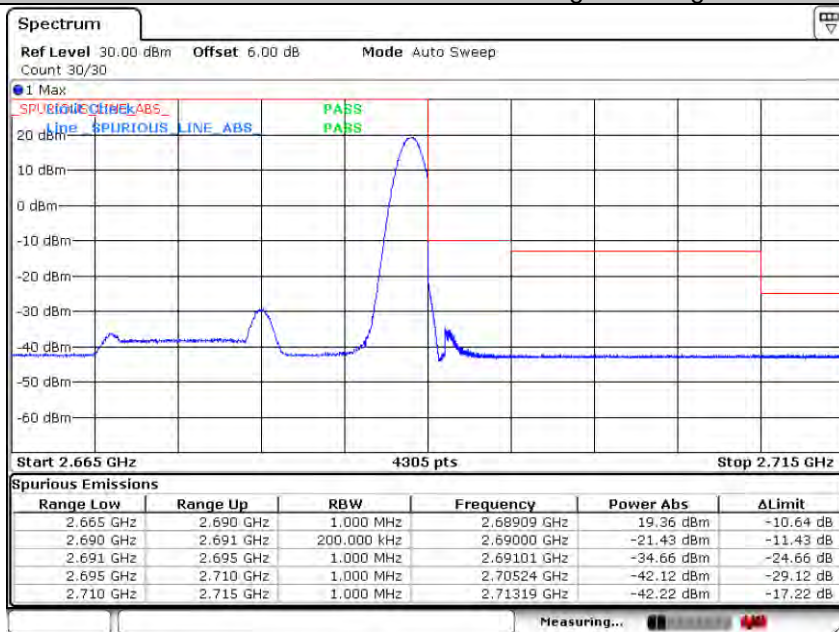
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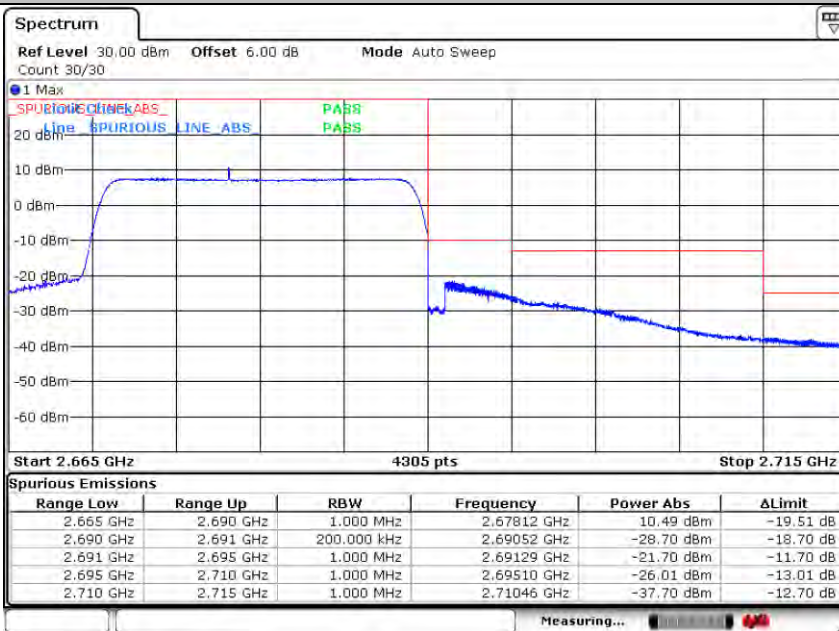


N41 30KHz TM6 20MHz 535998 Edge 1RB Right



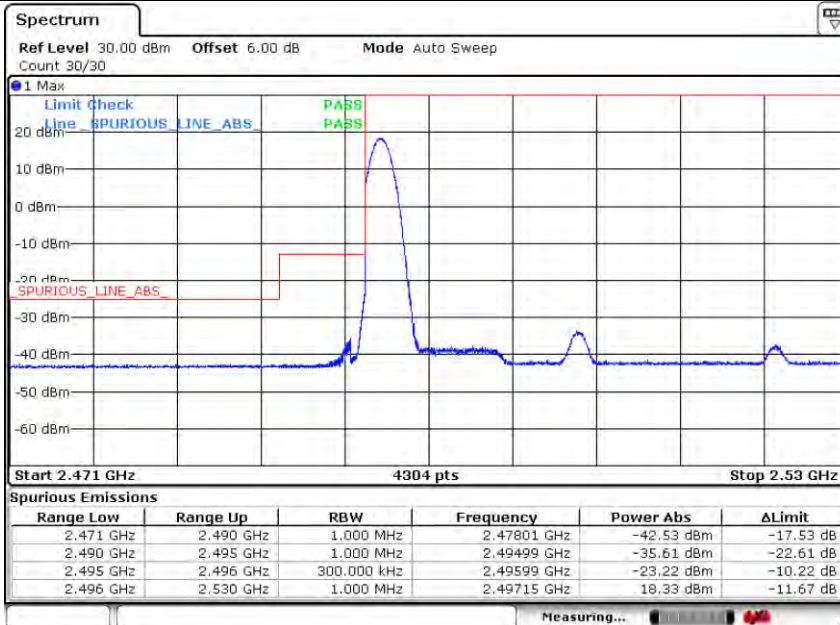
Date: 8.MAR.2021 15:42:31

N41 30KHz TM6 20MHz 535998 Outer Full



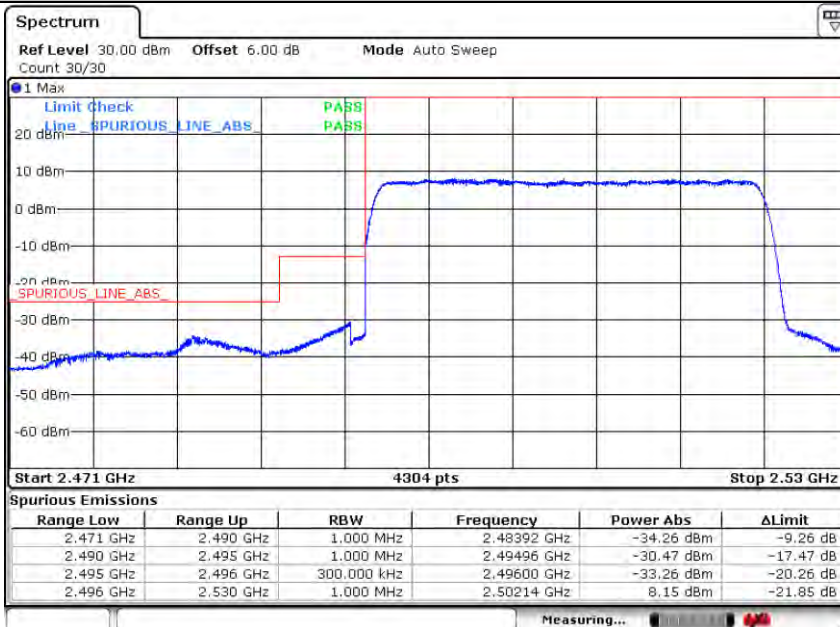
Date: 8.MAR.2021 15:43:19

N41 30KHz TM1 30MHz 502200 Edge 1RB Left



Date: 8.MAR.2021 17:11:13

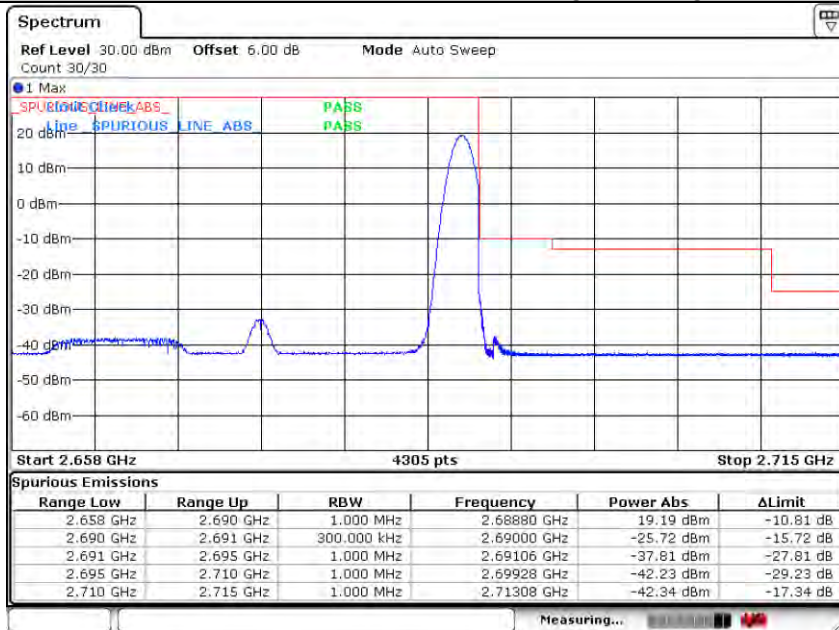
N41 30KHz TM1 30MHz 502200 Outer Full



Date: 8.MAR.2021 17:13:21



N41 30KHz TM1 30MHz 534996 Edge 1RB Right



Date: 8 MAR 2021 15:36:18

N41 30KHz TM1 30MHz 534996 Outer Full



Date: 8 MAR 2021 15:37:26



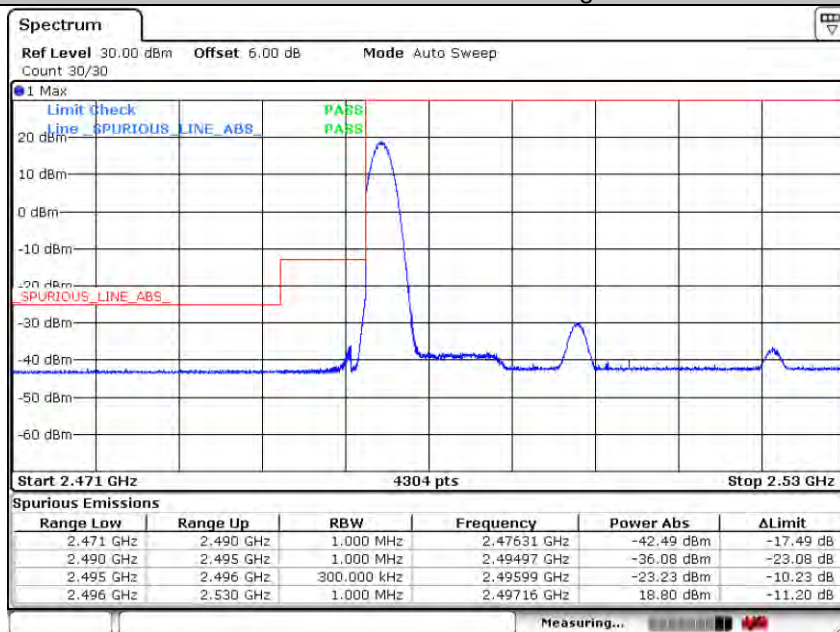
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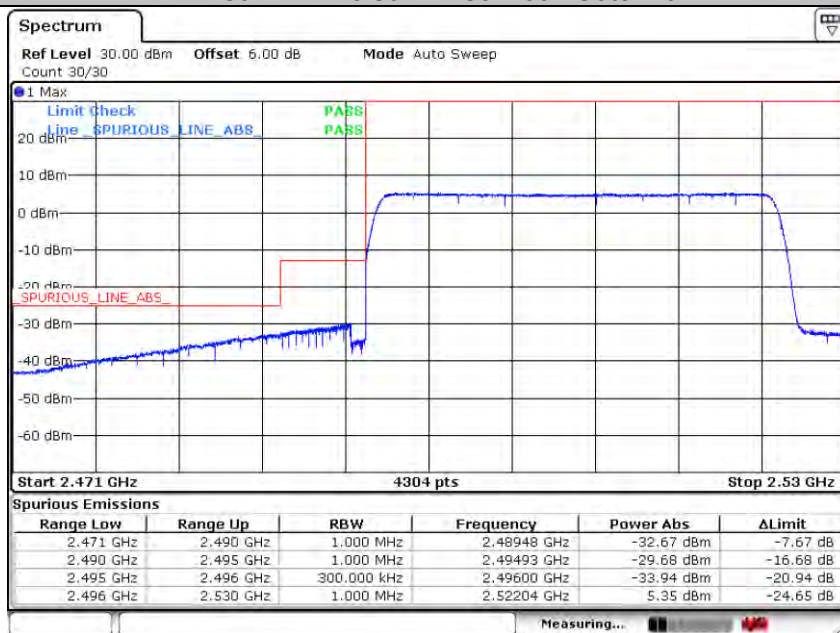
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N41 30KHz TM6 30MHz 502200 Edge 1RB Left



Date: 8 MAR 2021 17:10:04

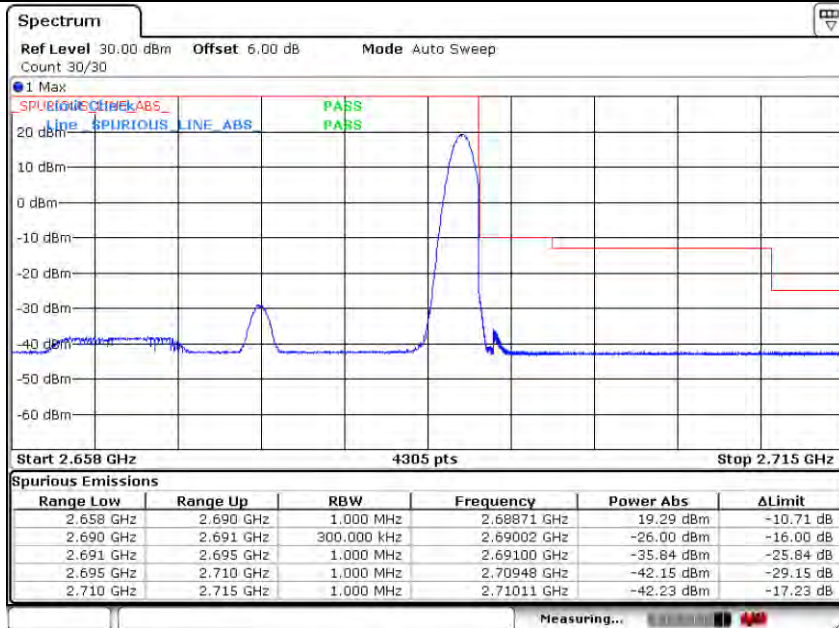
N41 30KHz TM6 30MHz 502200 Outer Full



Date: 8 MAR 2021 17:09:16

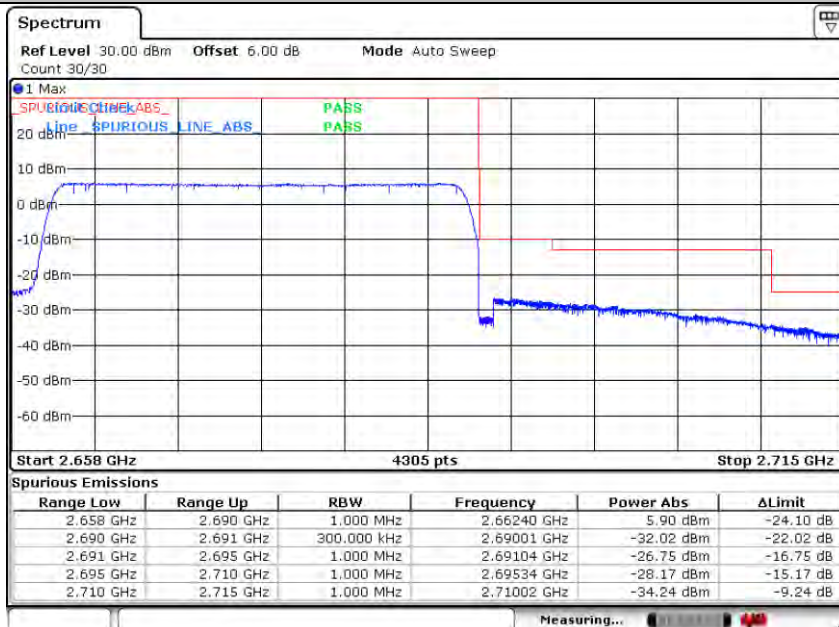


N41 30KHz TM6 30MHz 534996 Edge 1RB Right



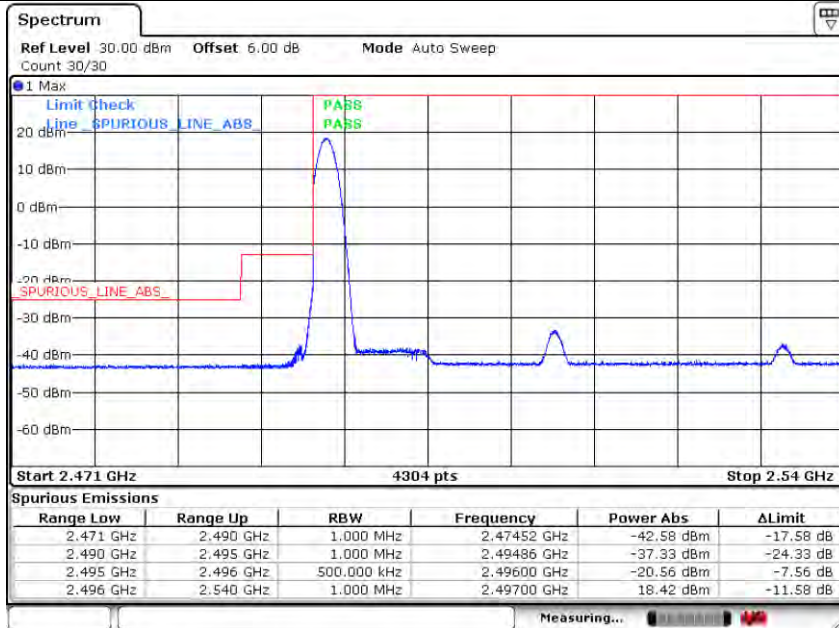
Date: 8.MAR.2021 15:35:05

N41 30KHz TM6 30MHz 534996 Outer Full



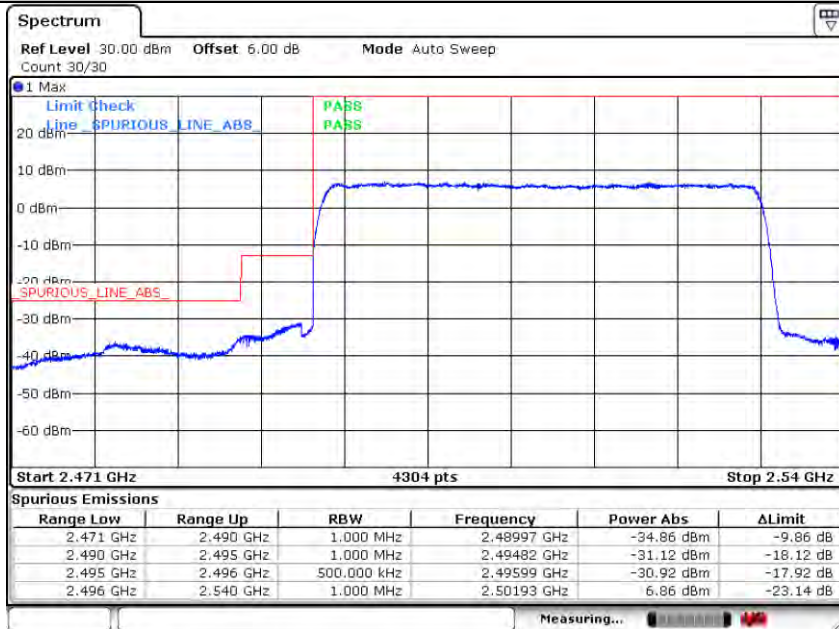
Date: 8.MAR.2021 15:33:51

N41 30KHz TM1 40MHz 503202 Edge 1RB Left



Date: 8 MAR 2021 17:16:32

N41 30KHz TM1 40MHz 503202 Outer Full



Date: 8 MAR 2021 17:15:36



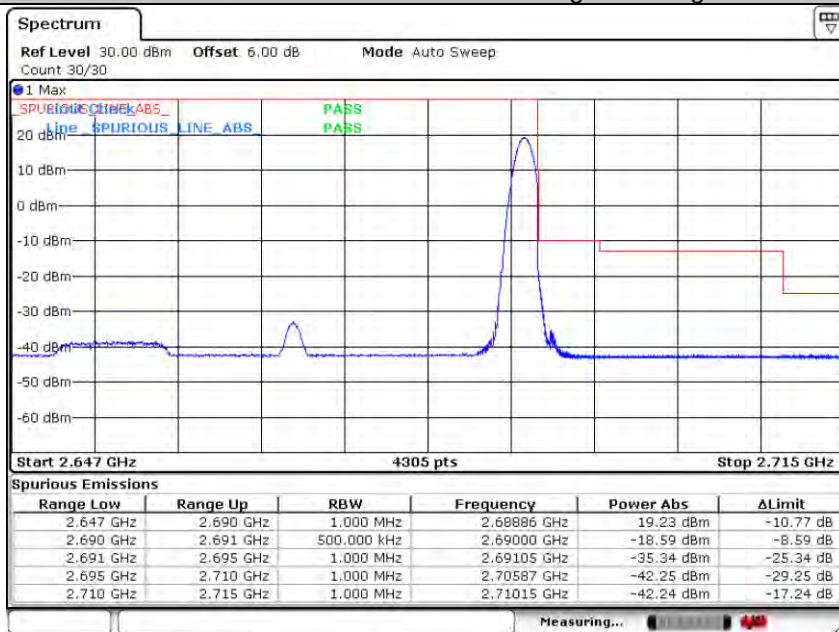
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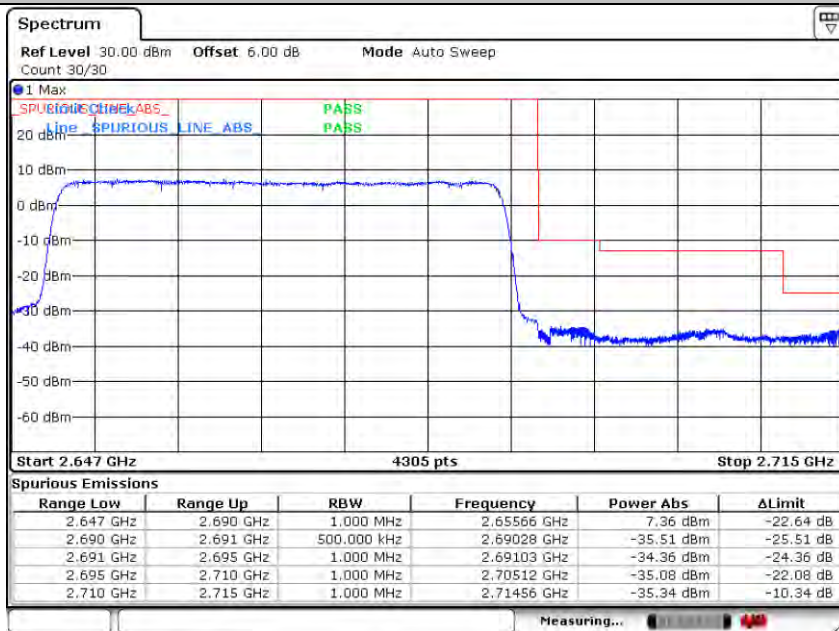
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N41 30KHz TM1 40MHz 534000 Edge 1RB Right



Date: 8.MAR.2021 15:29:27

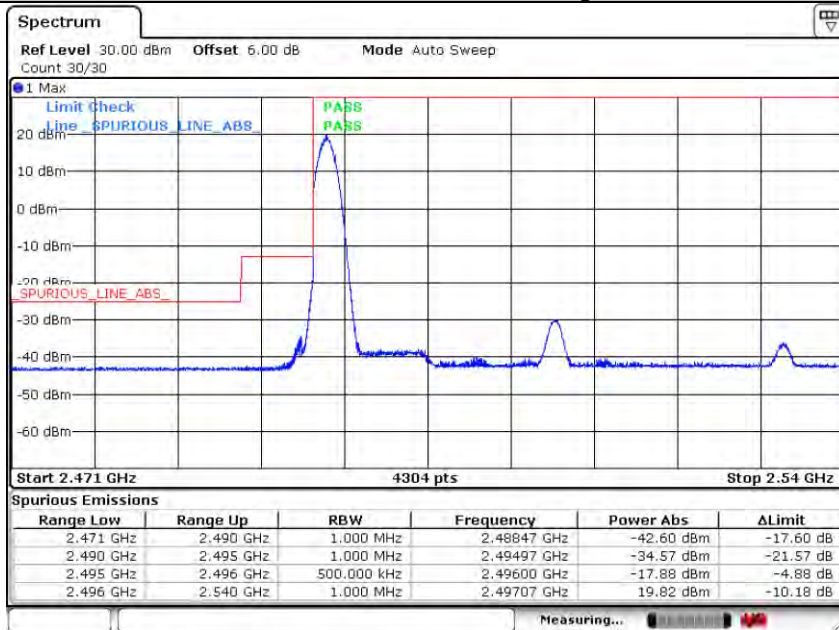
N41 30KHz TM1 40MHz 534000 Outer Full



Date: 8.MAR.2021 15:28:27

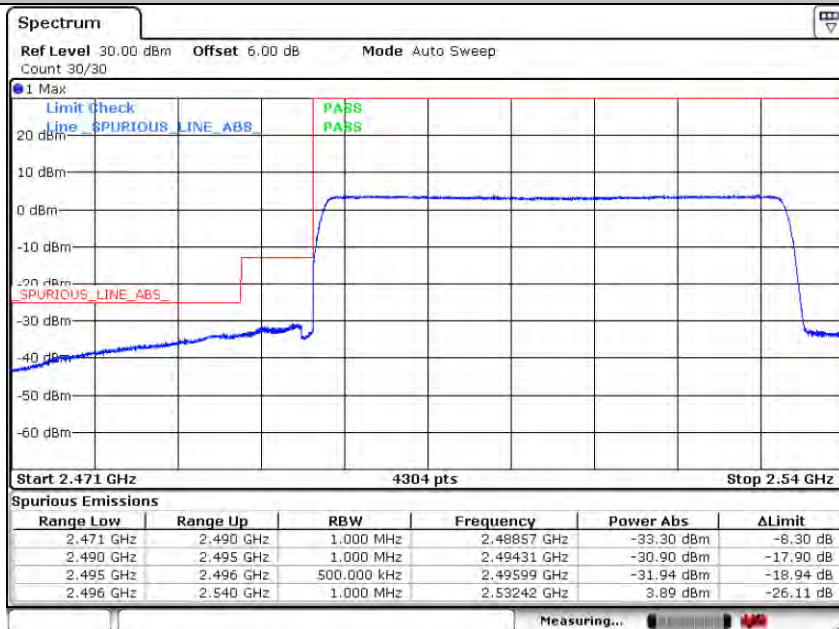


N41 30KHz TM6 40MHz 503202 Edge 1RB Left



Date: 8 MAR 2021 17:17:34

N41 30KHz TM6 40MHz 503202 Outer Full



Date: 8 MAR 2021 17:18:26



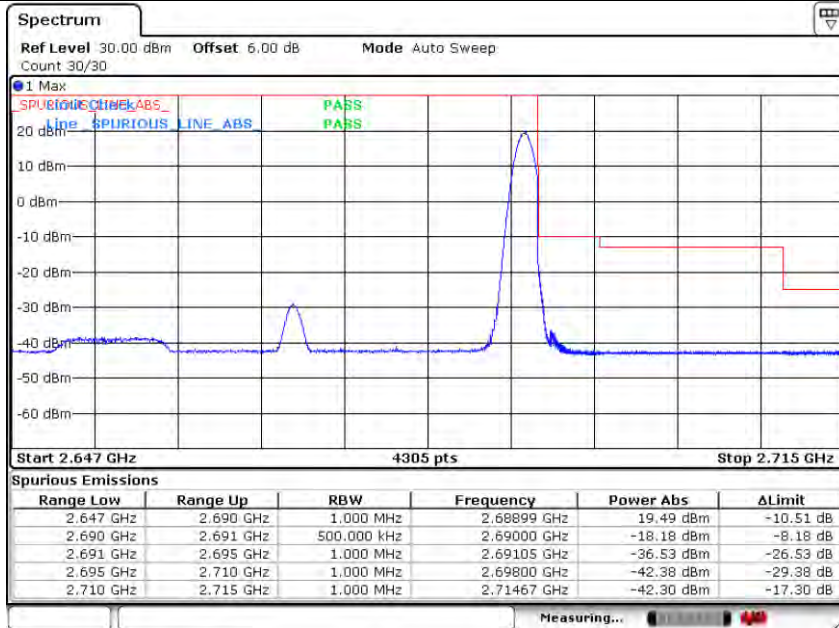
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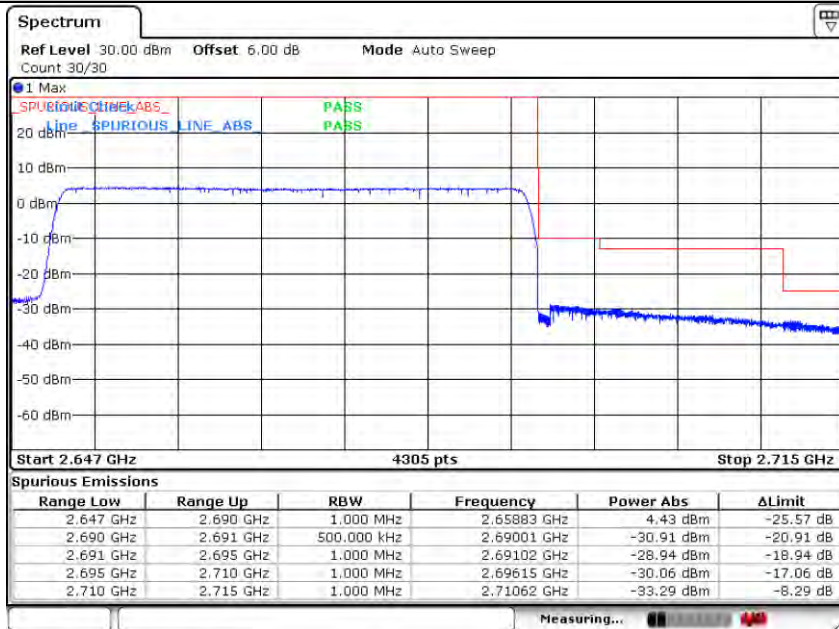
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N41 30KHz TM6 40MHz 534000 Edge 1RB Right



Date: 8.MAR.2021 15:30:42

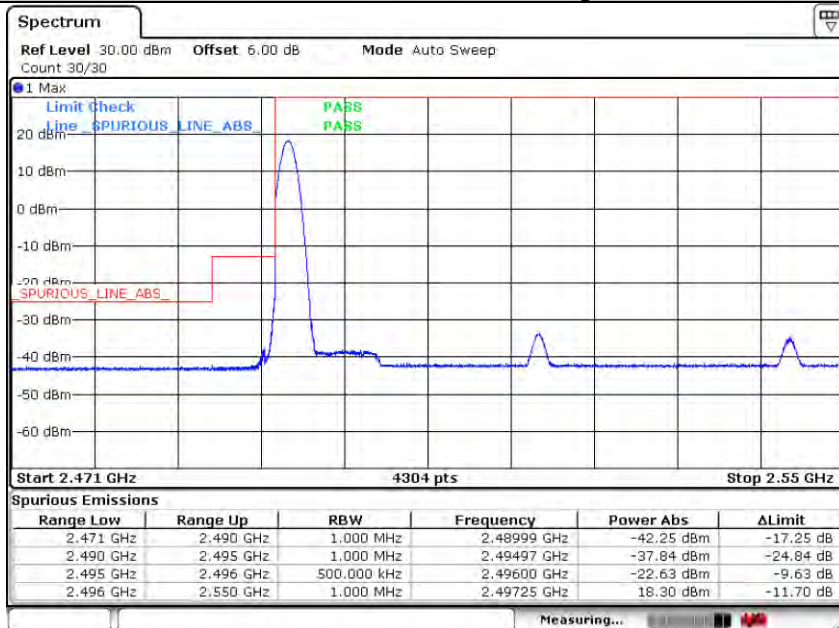
N41 30KHz TM6 40MHz 534000 Outer Full



Date: 8.MAR.2021 15:31:36

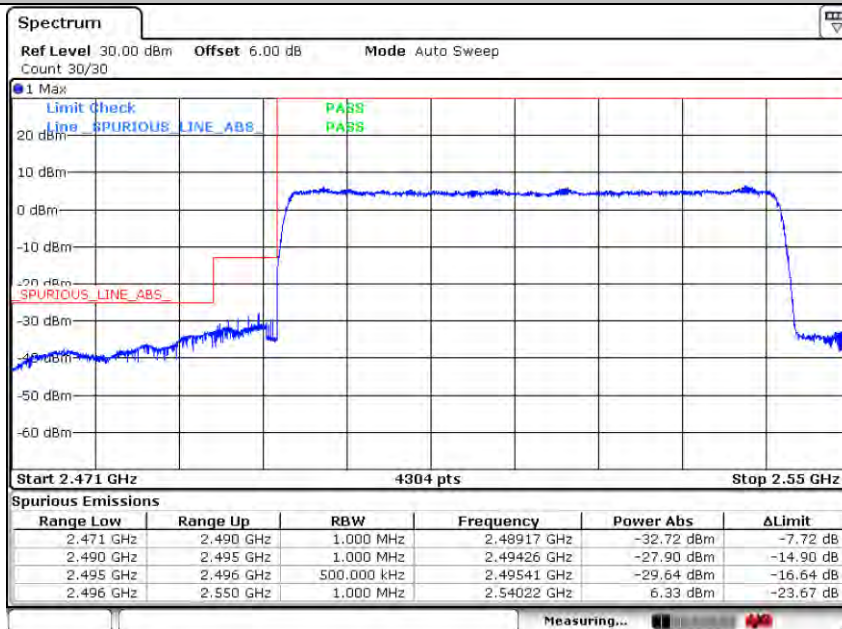


N41 30KHz TM1 50MHz 504204 Edge 1RB Left



Date: 8 MAR 2021 17:21:44

N41 30KHz TM1 50MHz 504204 Outer Full



Date: 8 MAR 2021 17:22:39



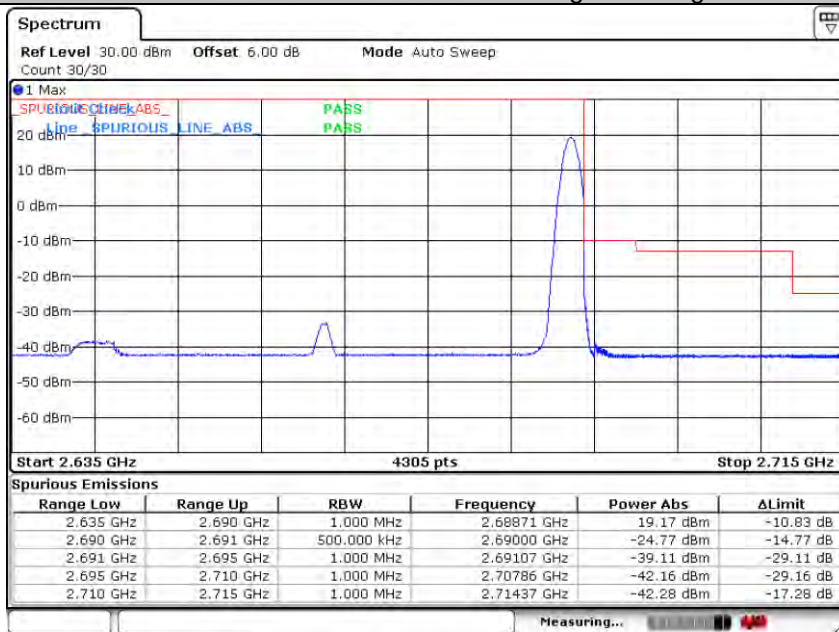
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N41 30KHz TM1 50MHz 532998 Edge 1RB Right



Date: 8.MAR.2021 15:26:02

N41 30KHz TM1 50MHz 532998 Outer Full



Date: 8.MAR.2021 15:23:36



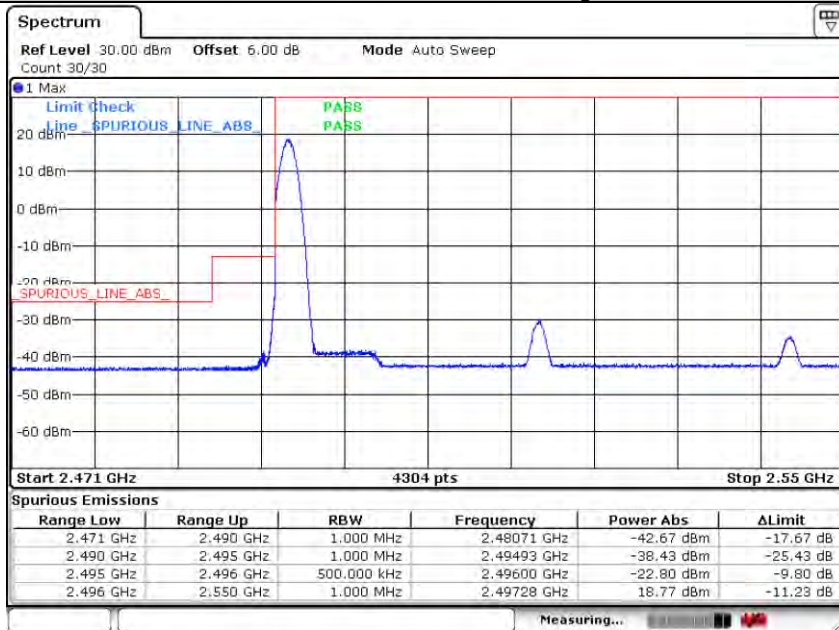
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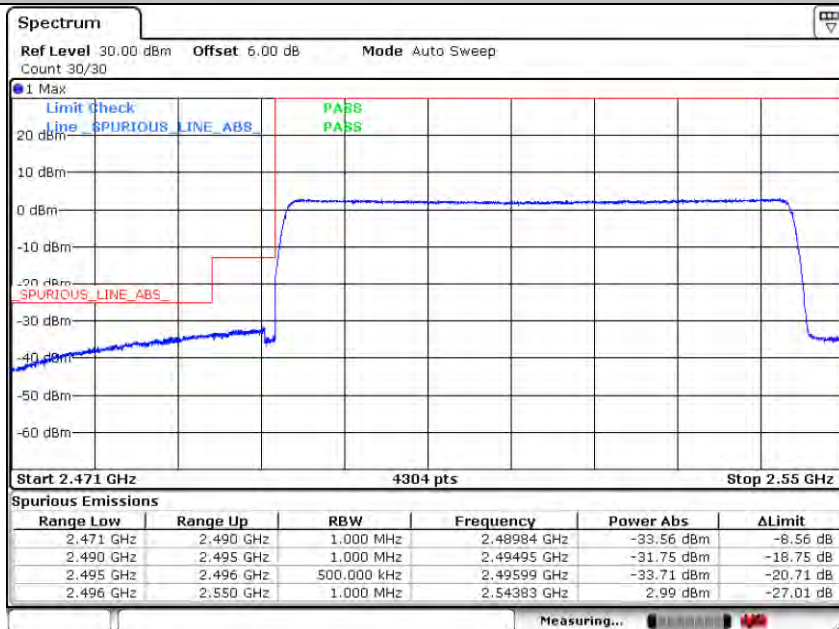
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N41 30KHz TM6 50MHz 504204 Edge 1RB Left



Date: 8 MAR 2021 17:20:19

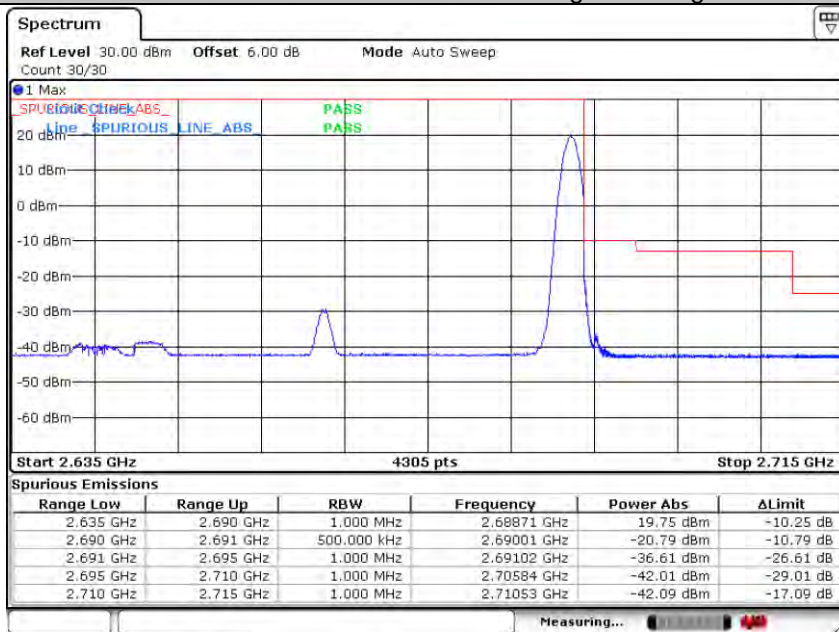
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Date: 8 MAR 2021 17:19:38

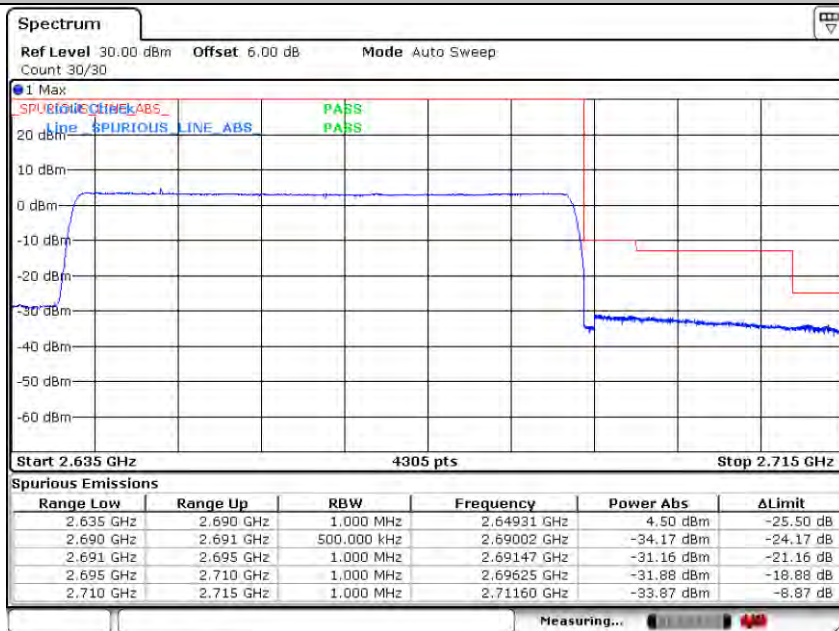


N41 30KHz TM6 50MHz 532998 Edge 1RB Right



Date: 8.MAR.2021 15:18:40

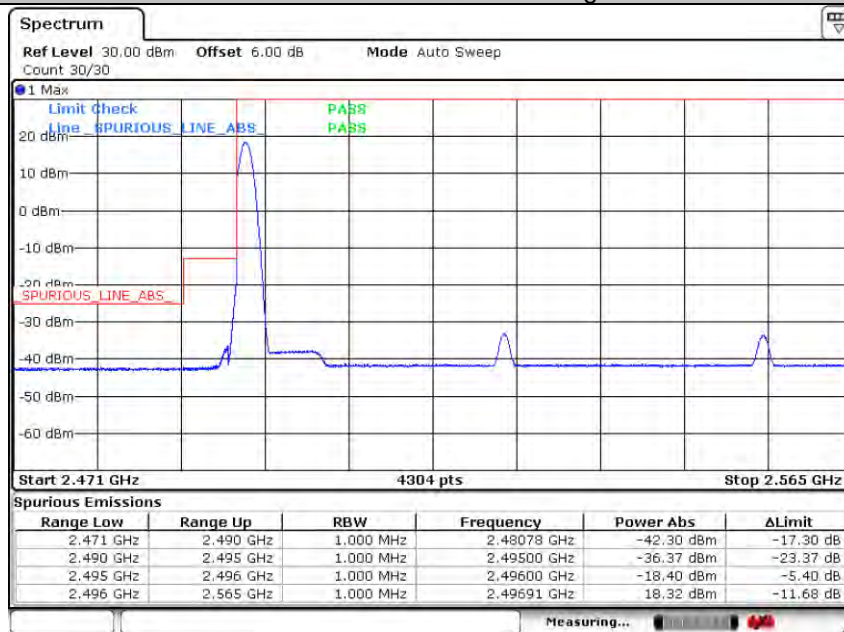
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Date: 8.MAR.2021 15:21:07

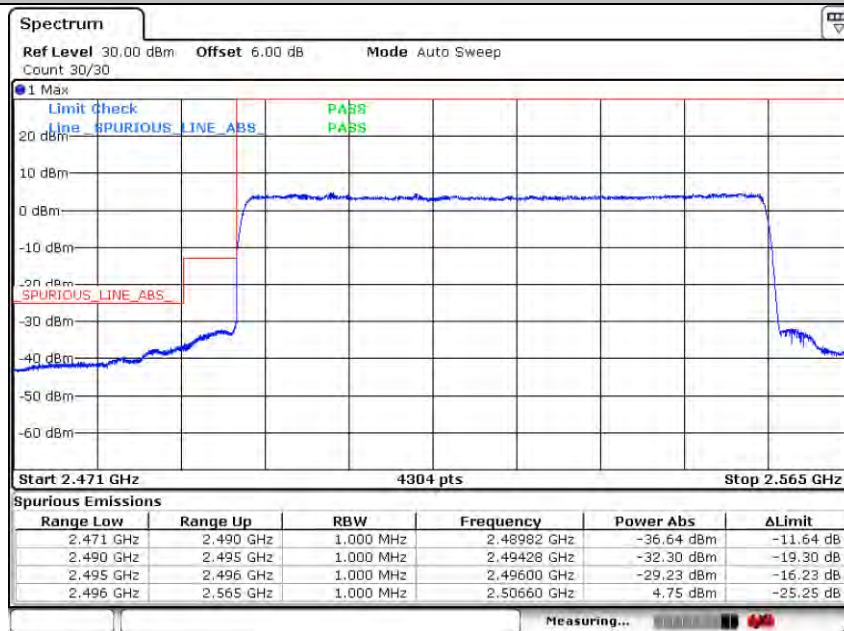


N41 30KHz TM1 60MHz 505200 Edge 1RB Left



Date: 8.MAR.2021 19:11:13

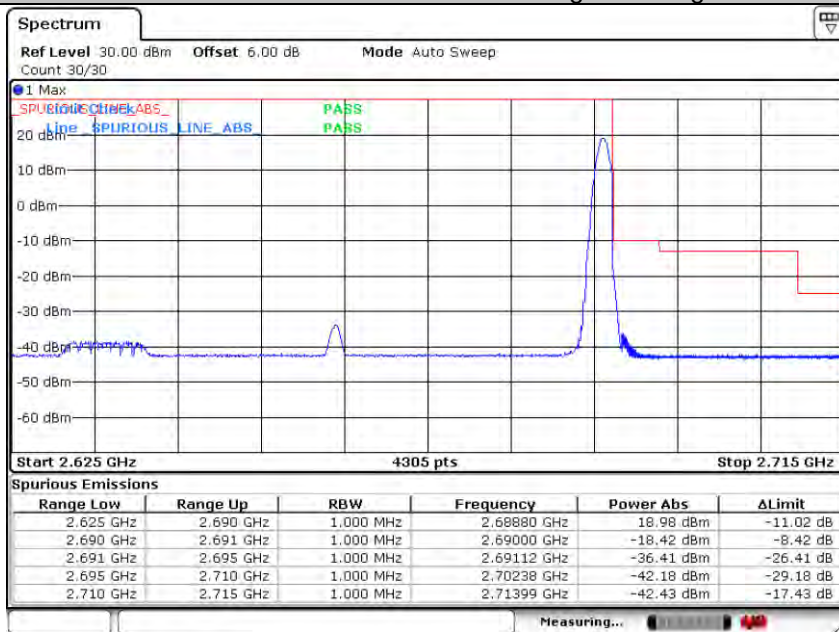
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Date: 8.MAR.2021 17:24:39

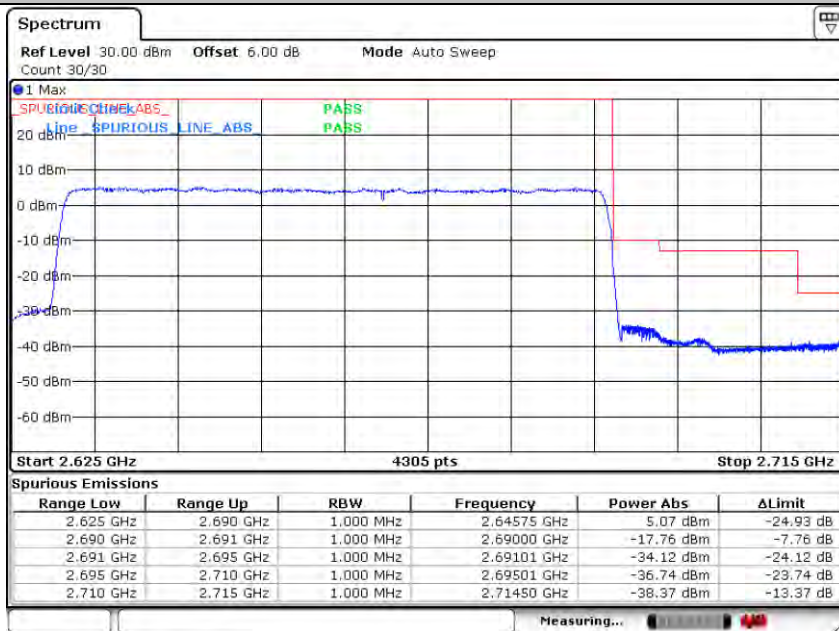


N41 30KHz TM1 60MHz 531996 Edge 1RB Right



Date: 8.MAR.2021 16:52:49

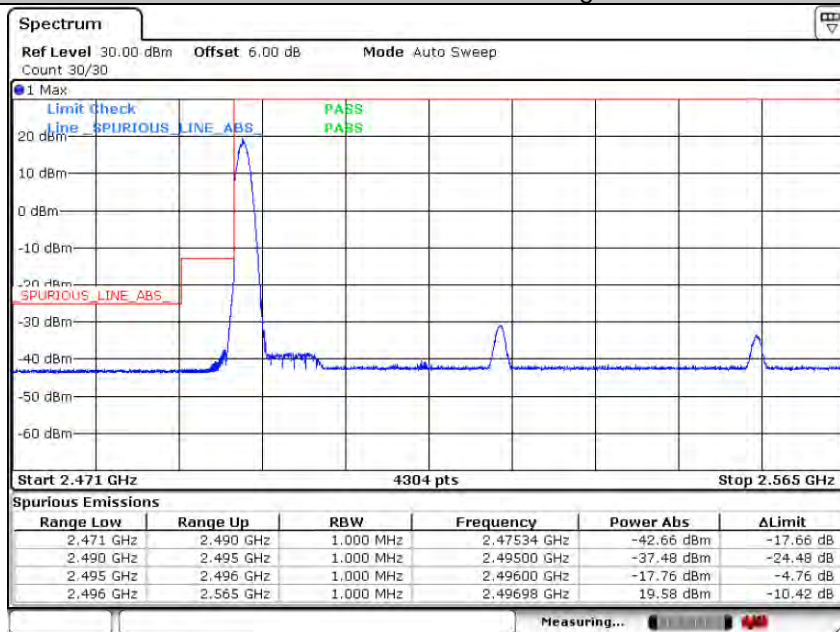
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Date: 8.MAR.2021 15:55:16

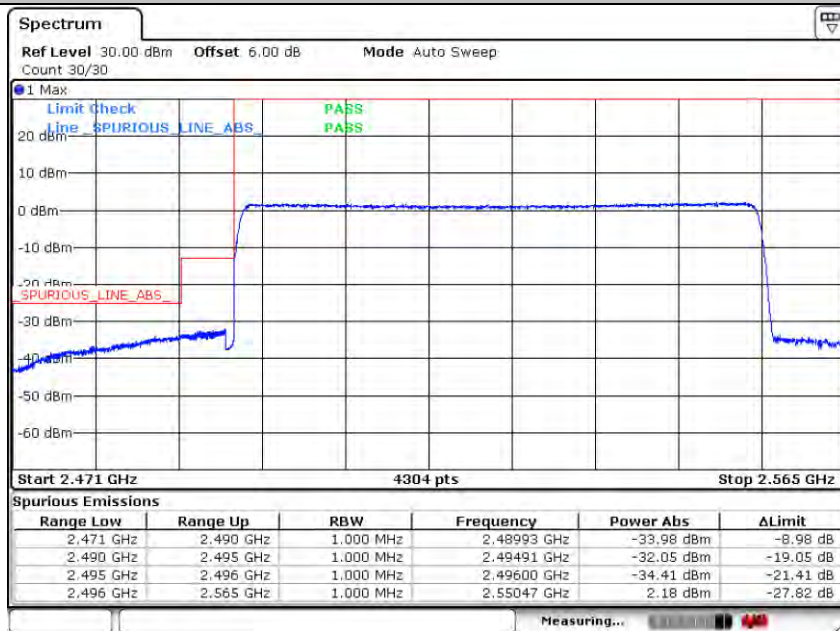


N41 30KHz TM6 60MHz 505200 Edge 1RB Left



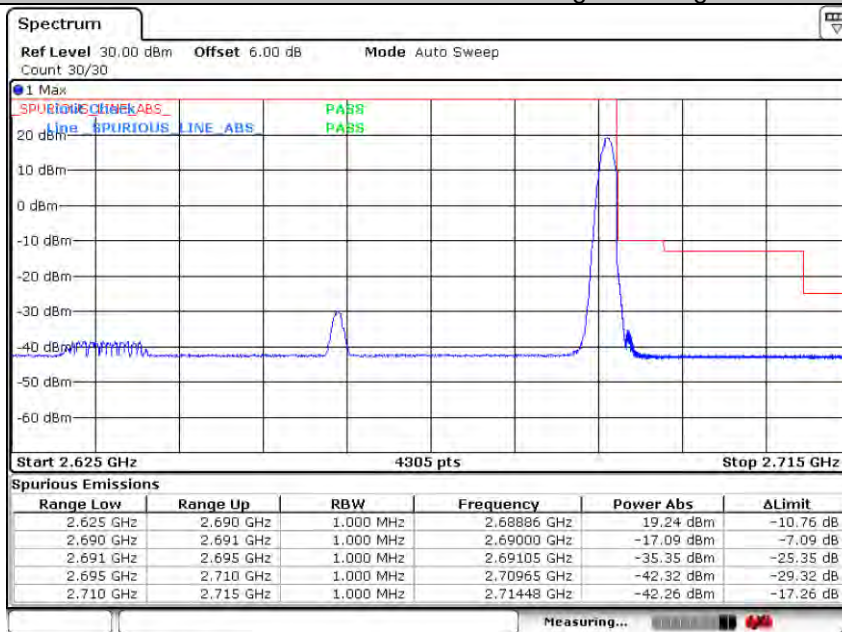
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N41 30KHz TM6 60MHz 505200 Outer Full



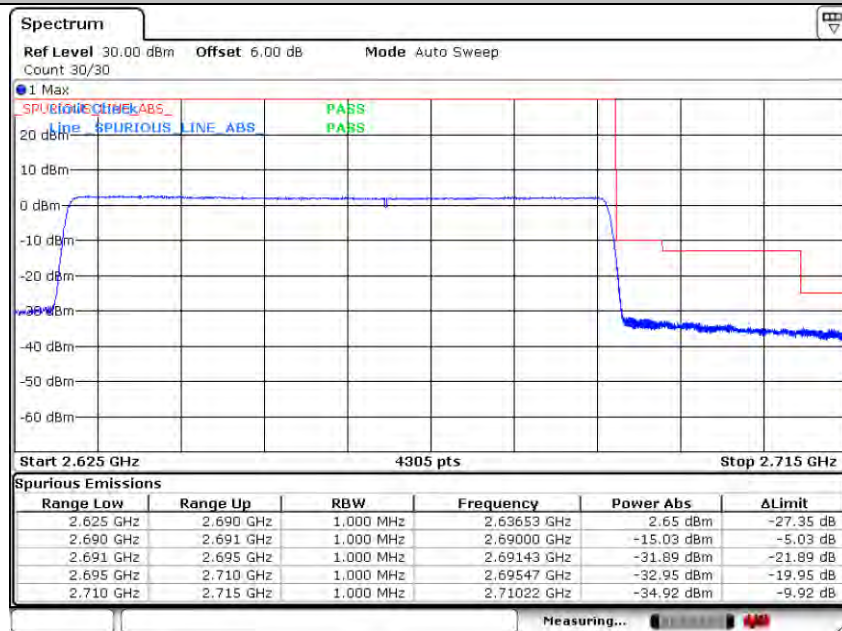
Date: 8.MAR.2021 19:14:08

N41 30KHz TM6 60MHz 531996 Edge 1RB Right



Date: 8.MAR.2021 16:54:14

N41 30KHz TM6 60MHz 531996 Outer Full



Date: 8.MAR.2021 15:45:50



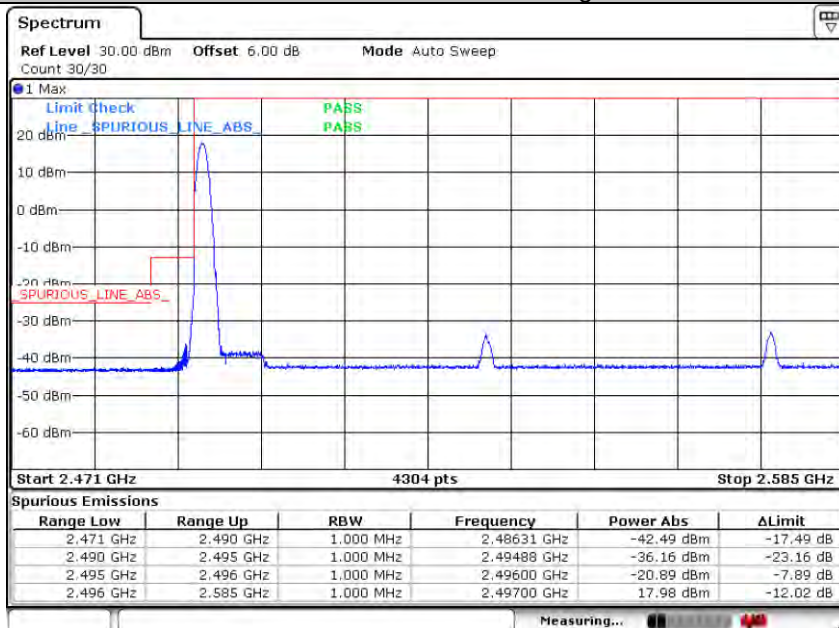
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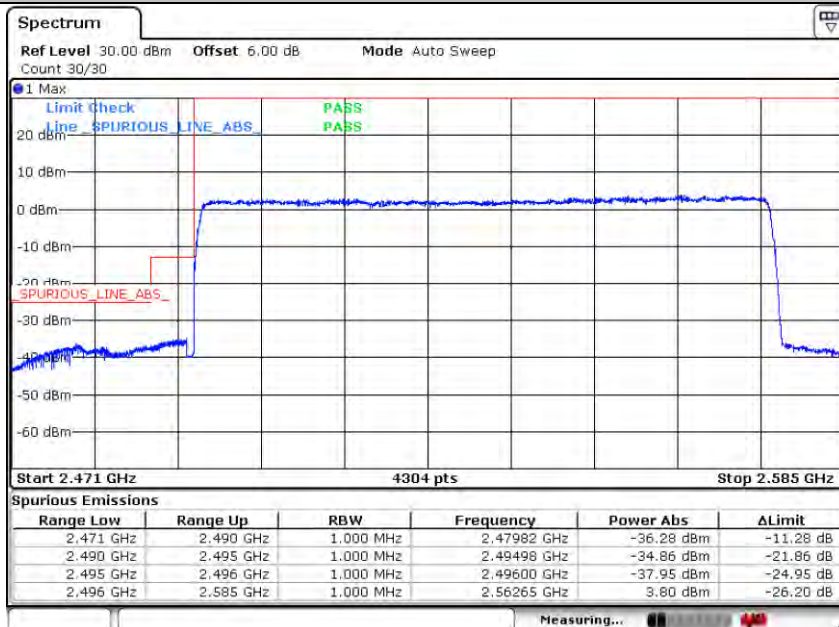
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N41 30KHz TM1 80MHz 507204 Edge 1RB Left



Date: 8.MAR.2021 19:20:07

N41 30KHz TM1 80MHz 507204 Outer Full



Date: 8.MAR.2021 19:22:09



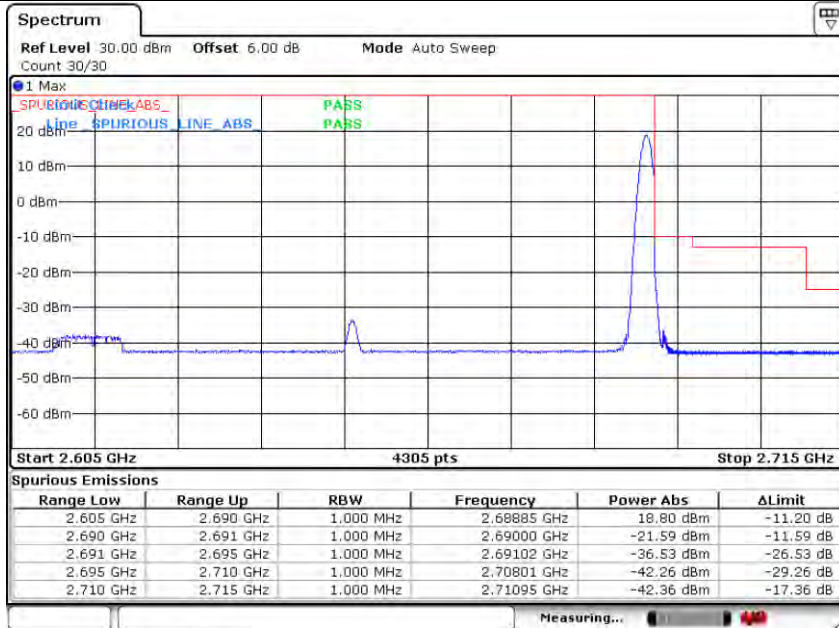
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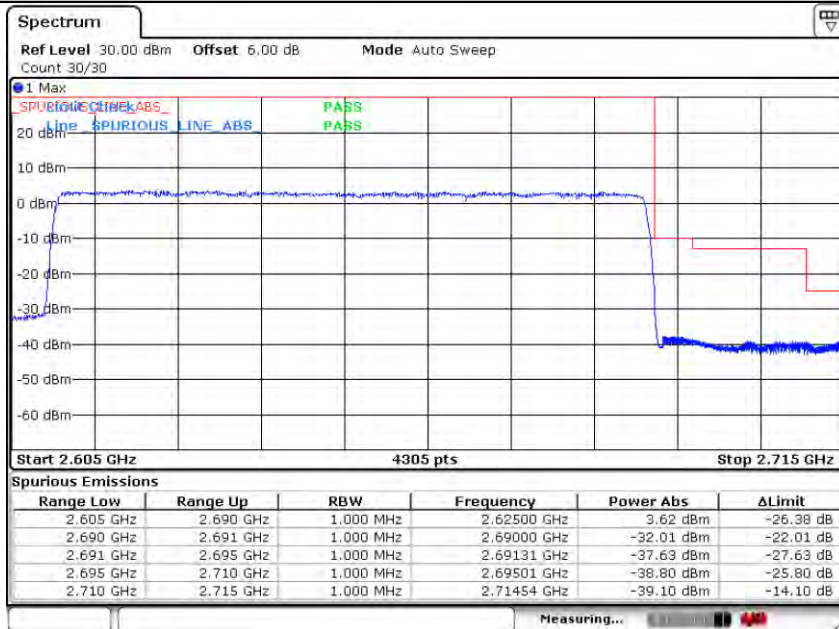
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N41 30KHz TM1 80MHz 529998 Edge 1RB Right



Date: 8.MAR.2021 16:57:35

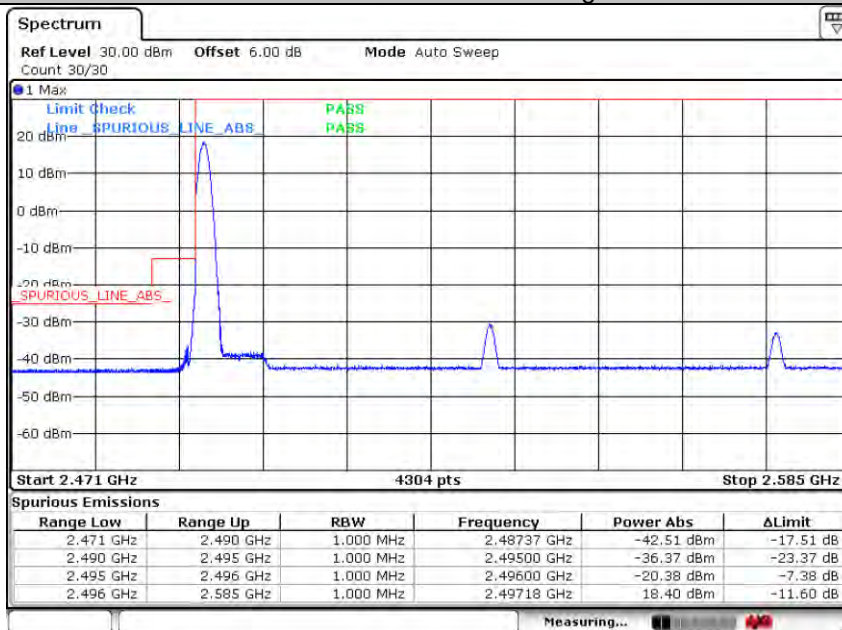
N41 30KHz TM1 80MHz 529998 Outer Full



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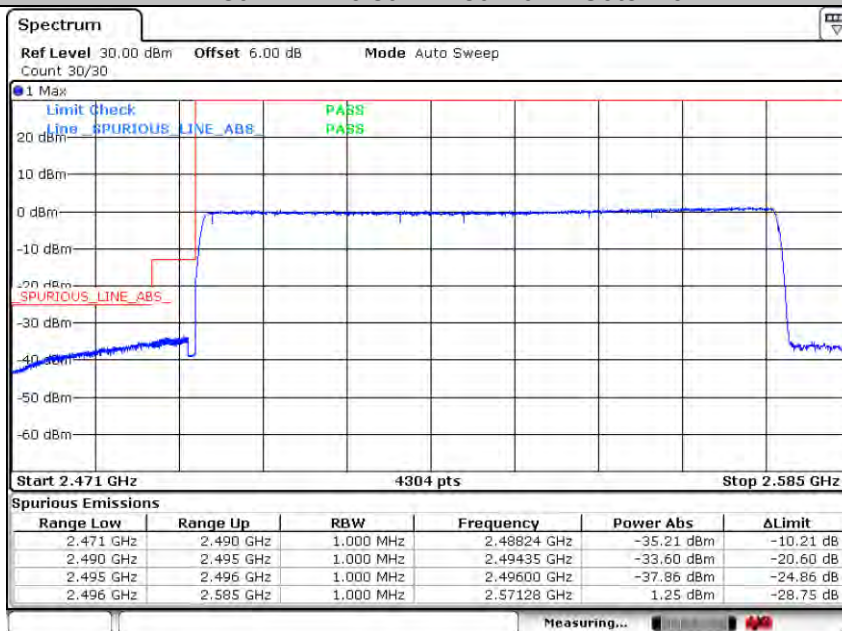


N41 30KHz TM6 80MHz 507204 Edge 1RB Left



Date: 8.MAR.2021 19:18:34

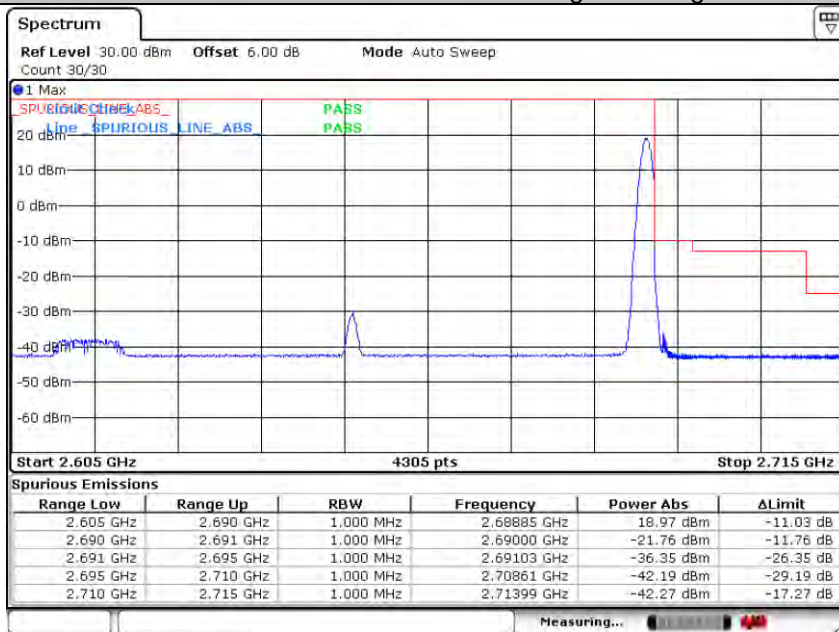
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Date: 8.MAR.2021 19:17:14

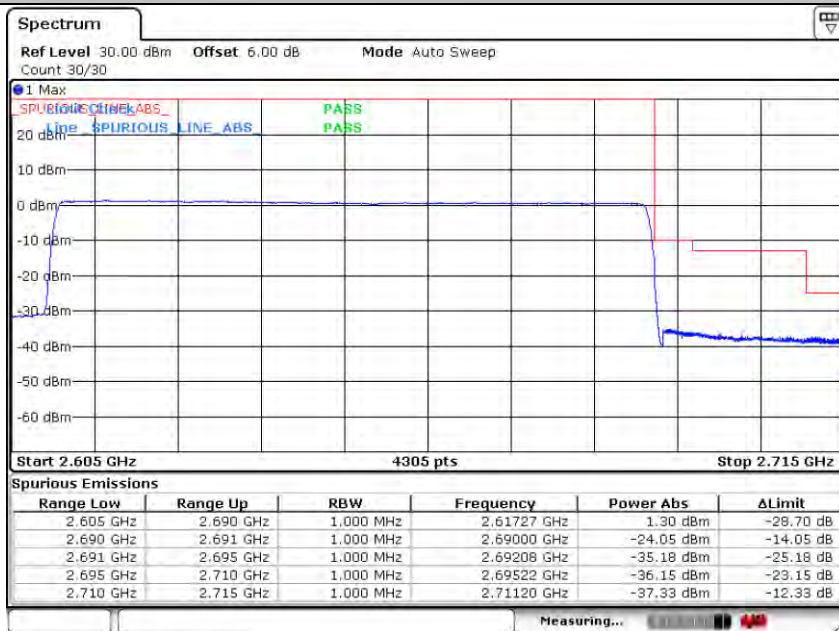


N41 30KHz TM6 80MHz 529998 Edge 1RB Right



Date: 8.MAR.2021 16:55:43

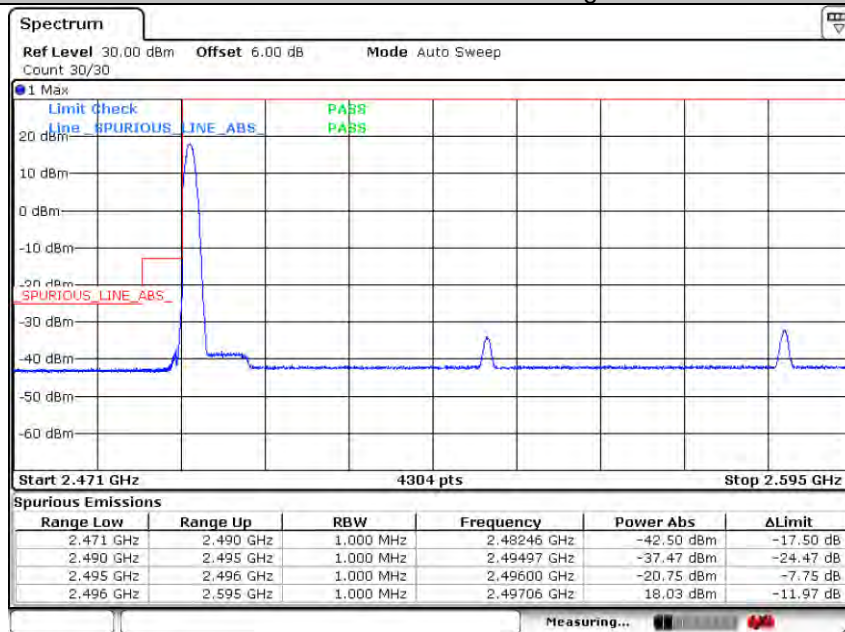
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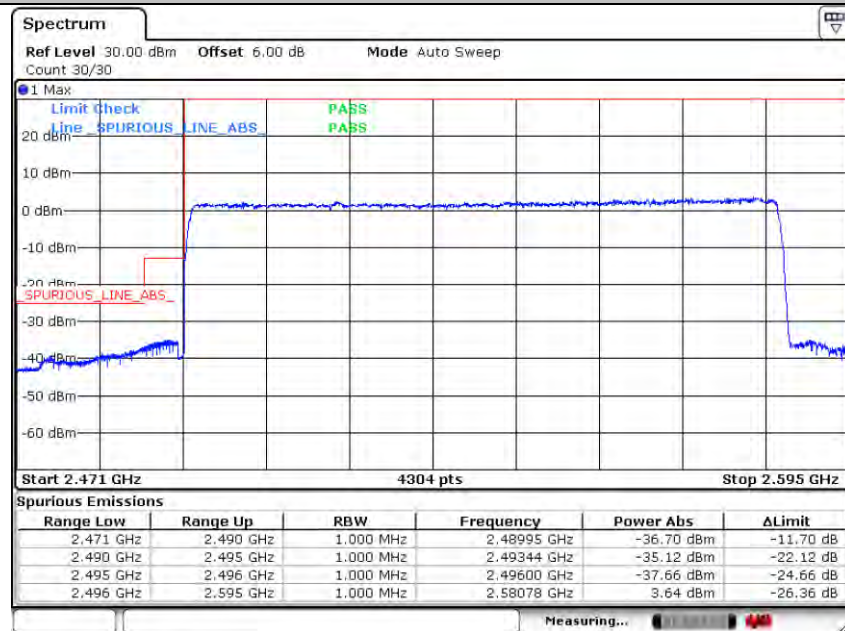


N41 30KHz TM1 90MHz 508200 Edge 1RB Left



Date: 8.MAR.2021 19:26:58

N41 30KHz TM1 90MHz 508200 Outer Full



Date: 8.MAR.2021 19:24:43



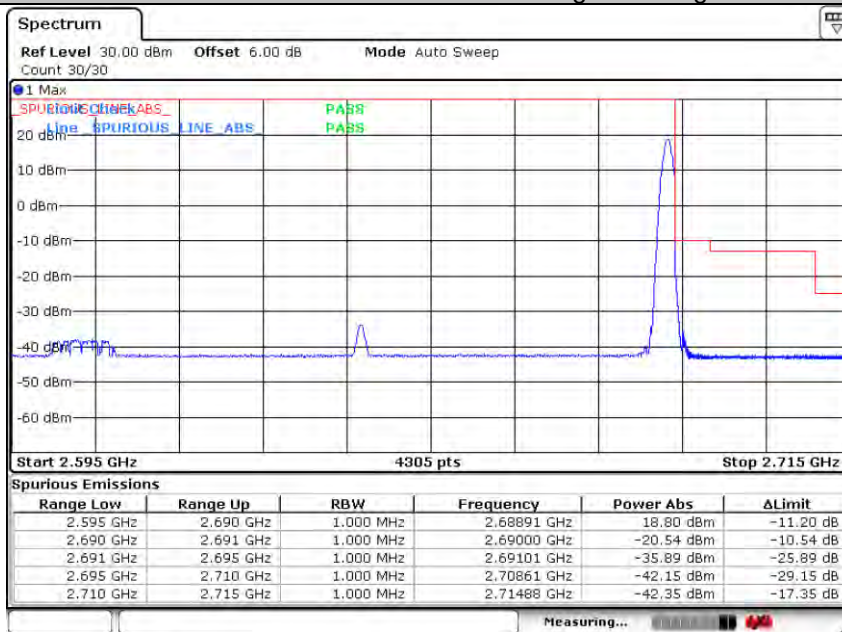
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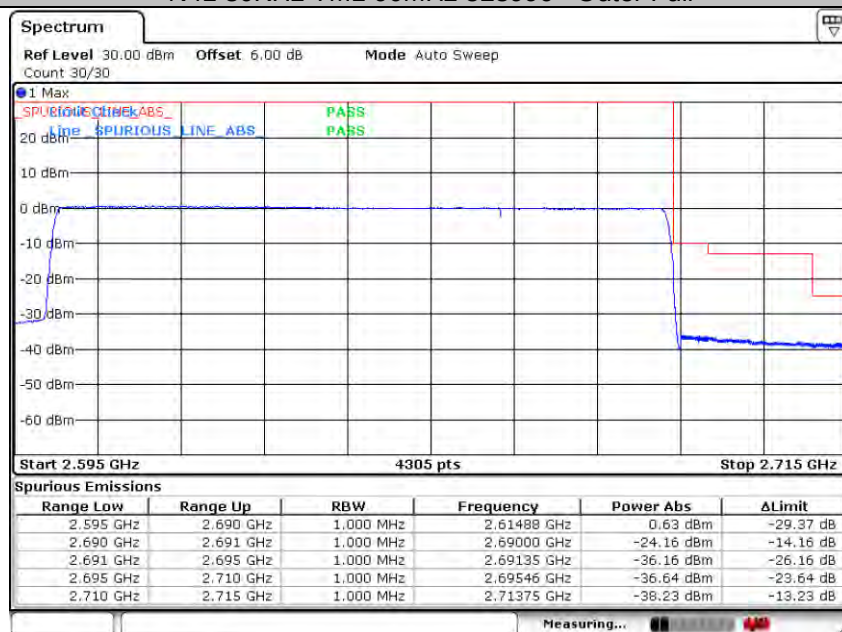
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N41 30KHz TM1 90MHz 528996 Edge 1RB Right



Date: 8.MAR.2021 16:48:04

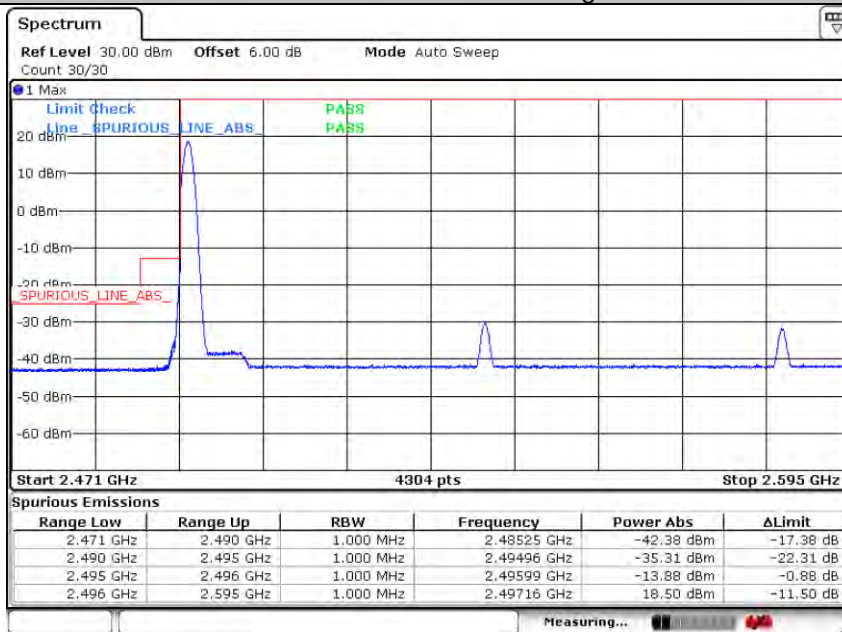
N41 30KHz TM1 90MHz 528996 Outer Full



Date: 8.MAR.2021 16:21:19

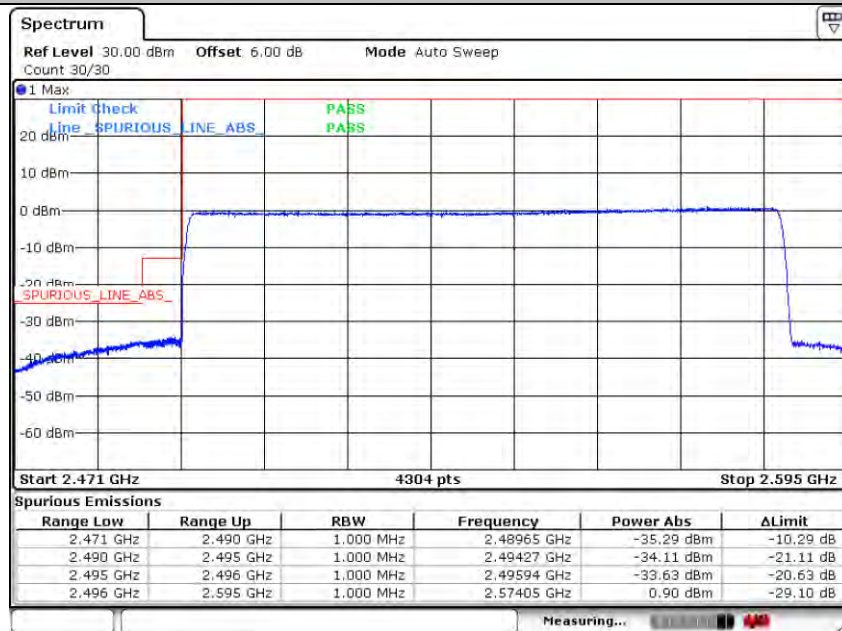


N41 30KHz TM6 90MHz 508200 Edge 1RB Left



Date: 8.MAR.2021 19:35:26

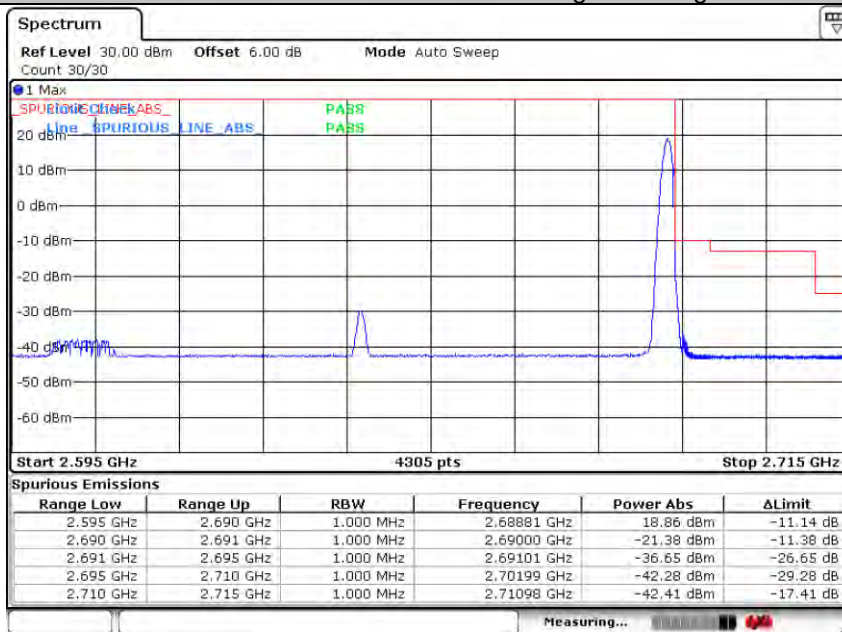
N41 30KHz TM6 90MHz 508200 Outer Full



Date: 8.MAR.2021 19:36:20

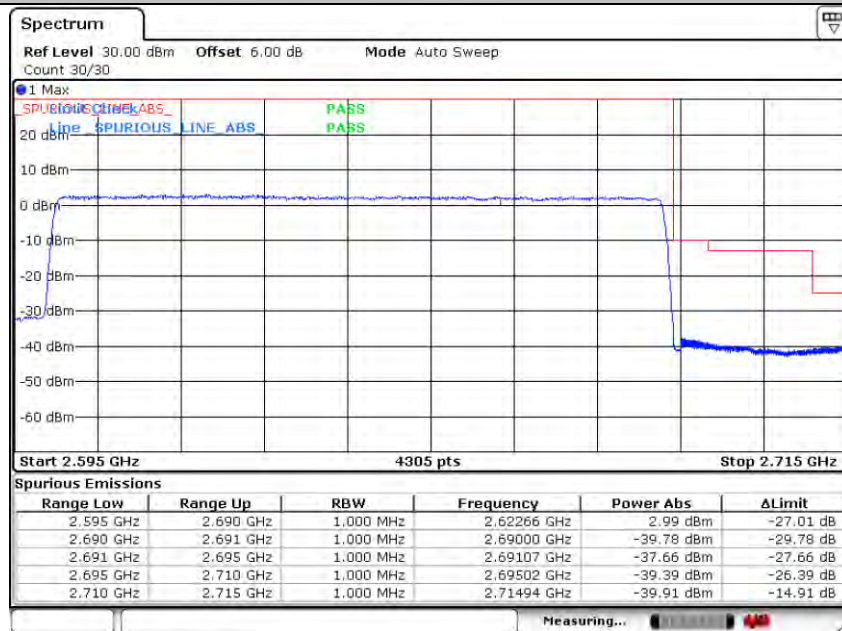


N41 30KHz TM6 90MHz 528996 Edge 1RB Right



Date: 8.MAR.2021 16:45:44

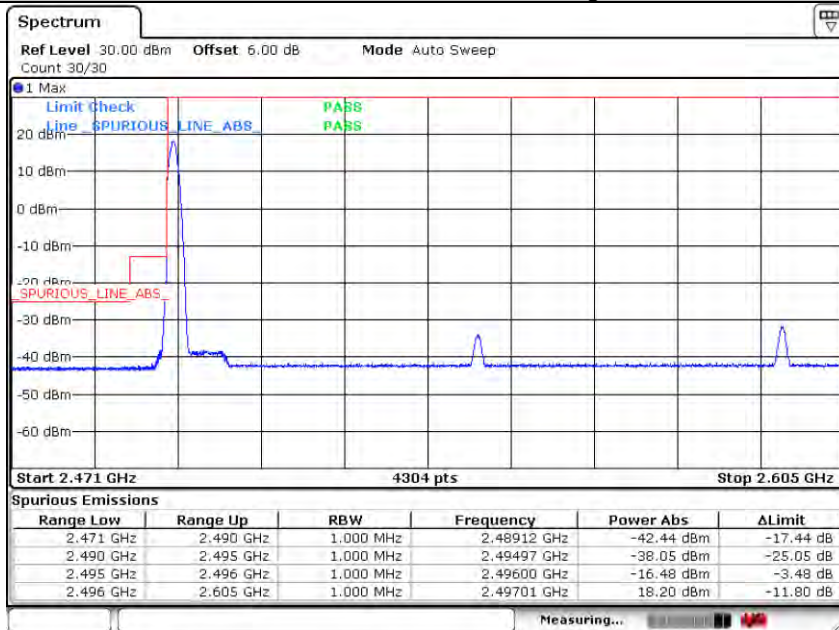
N41 30KHz TM6 90MHz 528996 Outer Full



Date: 8.MAR.2021 16:33:24

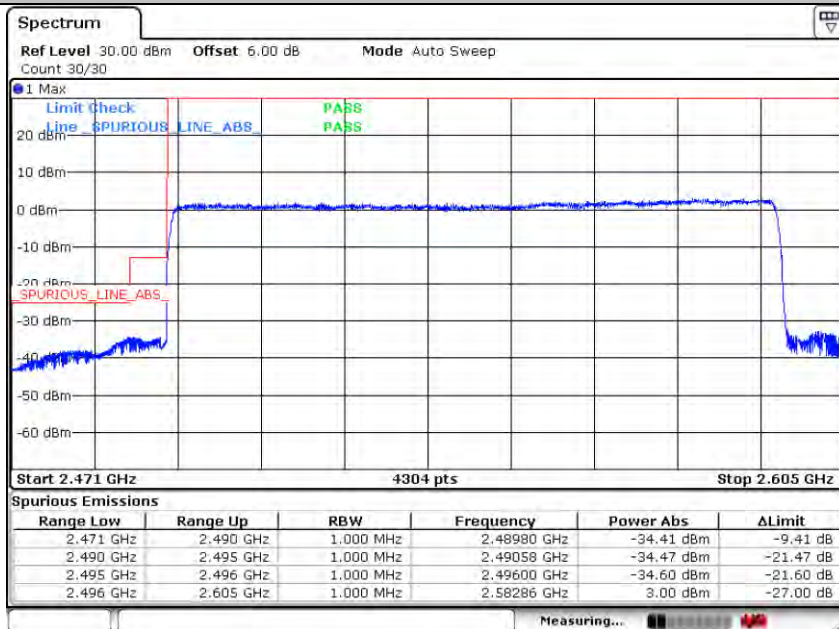


N41 30KHz TM1 100MHz 509202 Edge 1RB Left



Date: 8 MAR 2021 19:45:17

N41 30KHz TM1 100MHz 509202 Outer Full



Date: 8 MAR 2021 19:45:57



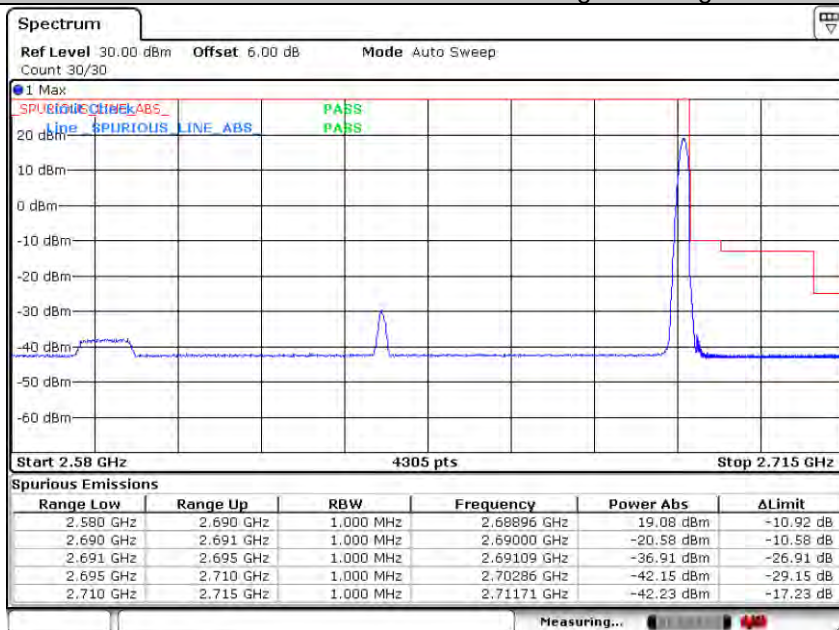
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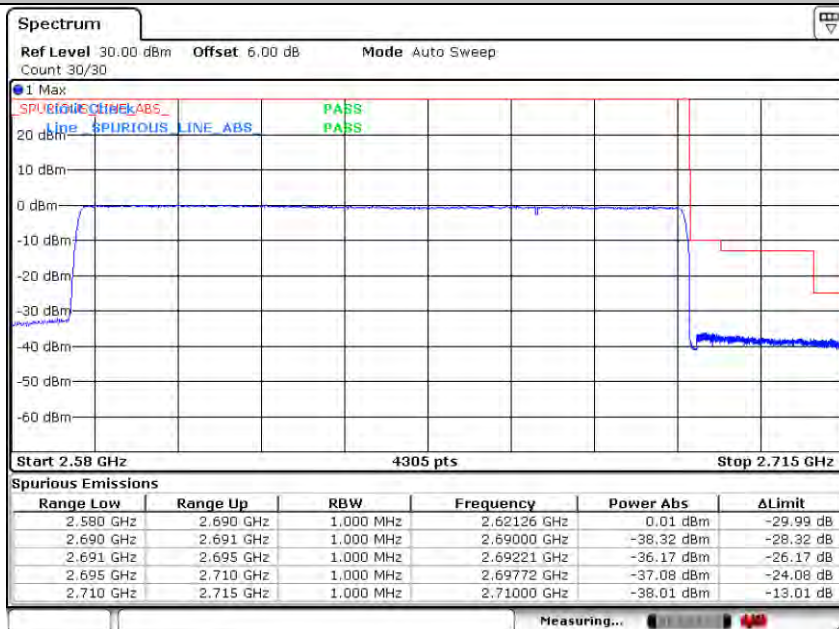
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N41 30KHz TM1 100MHz 528000 Edge 1RB Right



Date: 8.MAR.2021 16:41:42

N41 30KHz TM1 100MHz 528000 Outer Full



Date: 8.MAR.2021 16:42:53



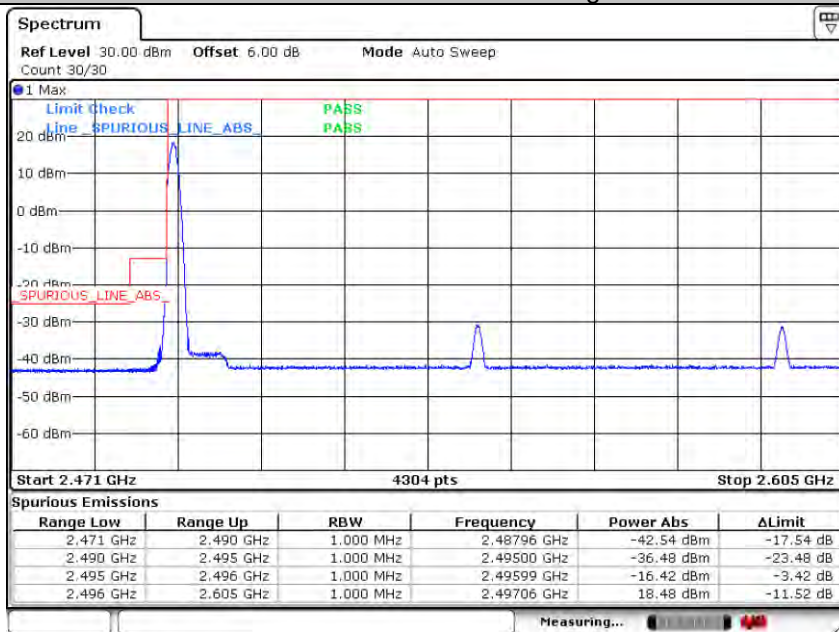
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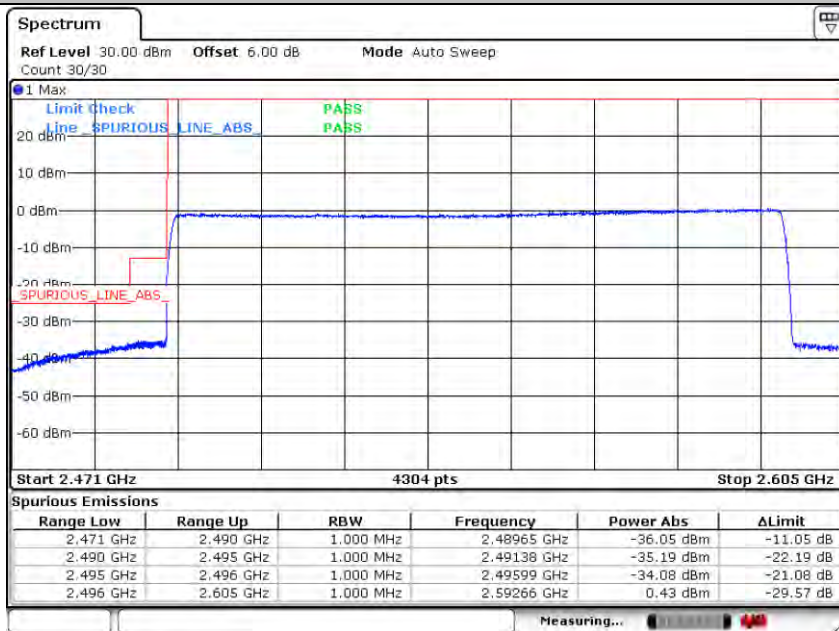
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N41 30KHz TM6 100MHz 509202 Edge 1RB Left



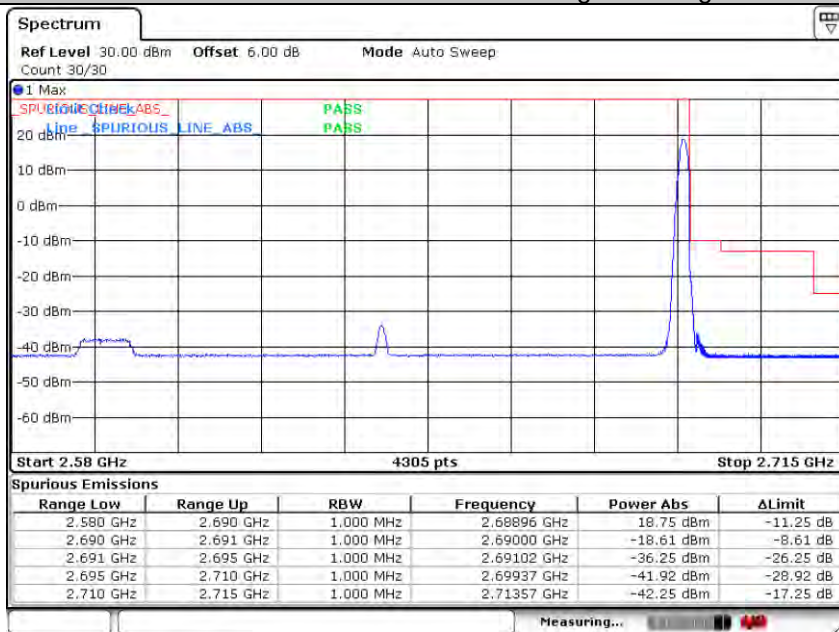
Date: 8.MAR.2021 19:43:25

N41 30KHz TM6 100MHz 509202 Outer Full



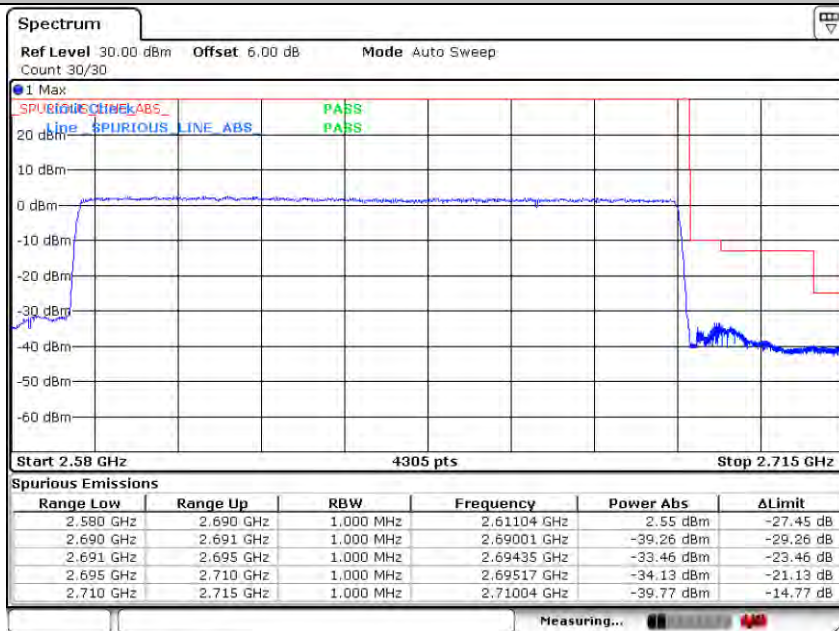
Date: 8.MAR.2021 19:37:52

N41 30KHz TM6 100MHz 528000 Edge 1RB Right



Date: 8.MAR.2021 16:38:58

N41 30KHz TM6 100MHz 528000 Outer Full



Date: 8.MAR.2021 16:35:44

REMARK:

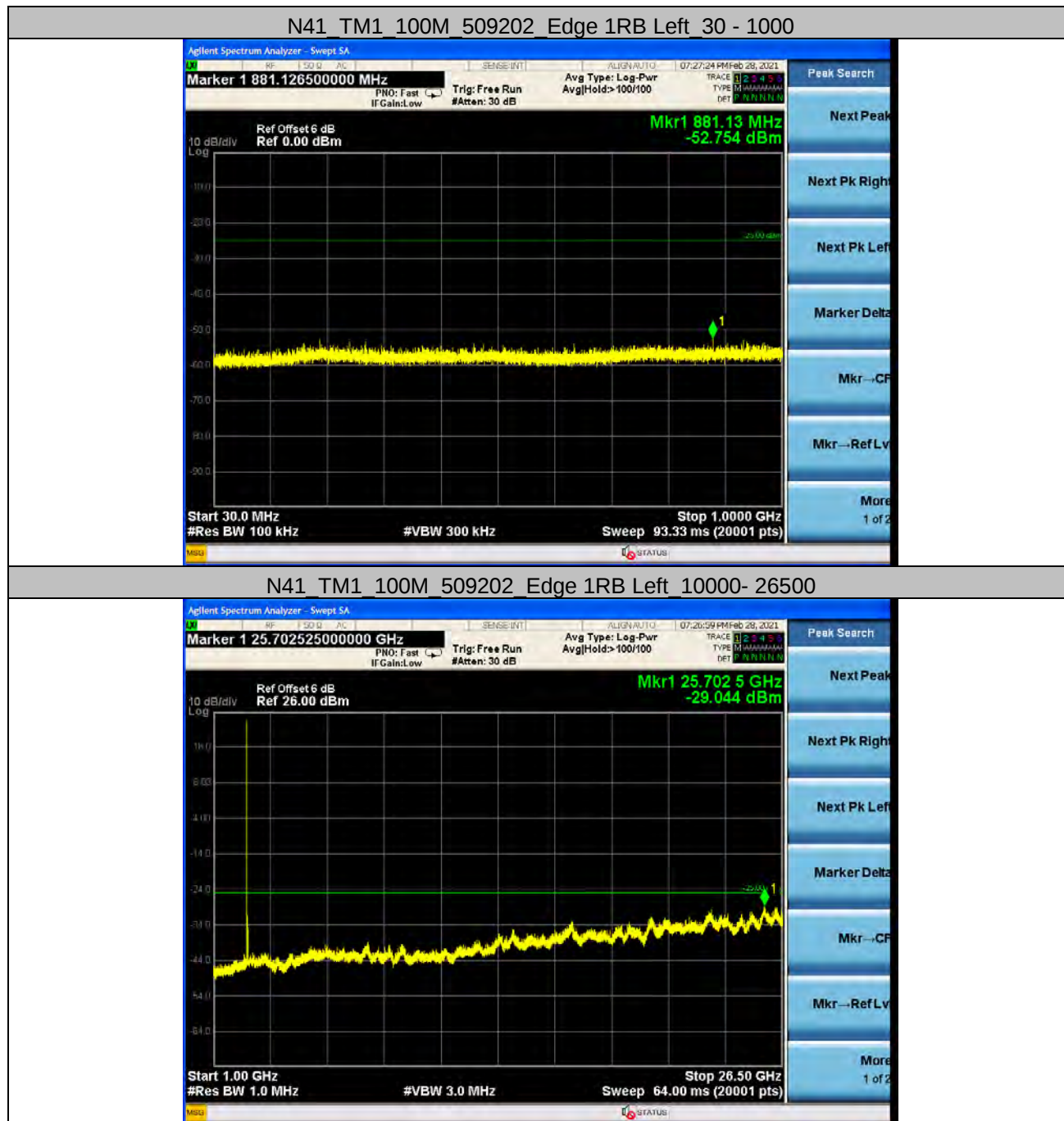
All antenna and all modulation had been tested, but only the worst case data displayed in this report



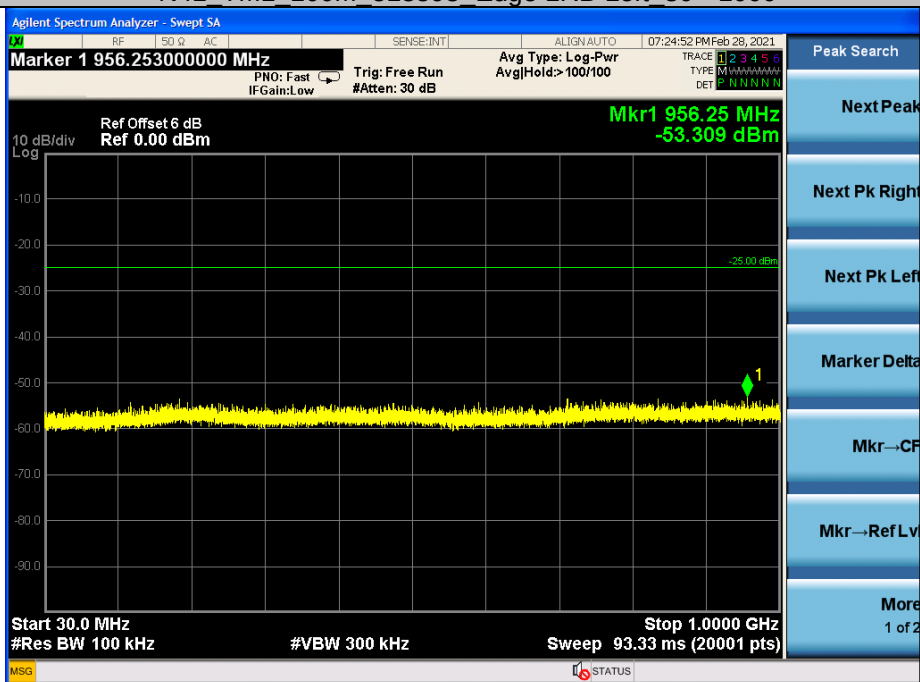
6 Spurious Emission at Antenna Terminal

REMARK: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrow Band signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (\text{Span} / \text{RBW})$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

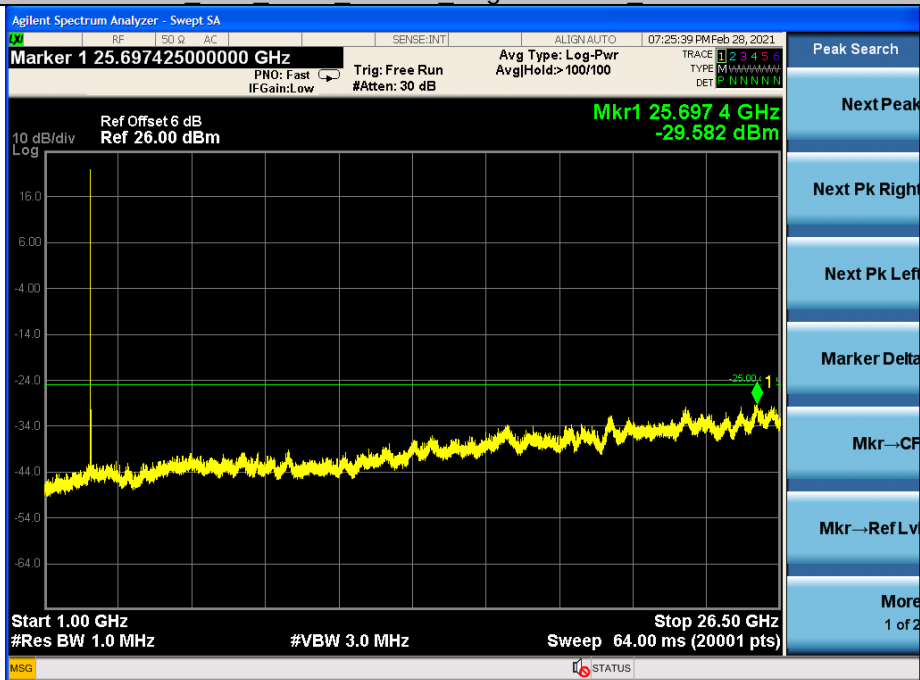
6.1 Test Plots



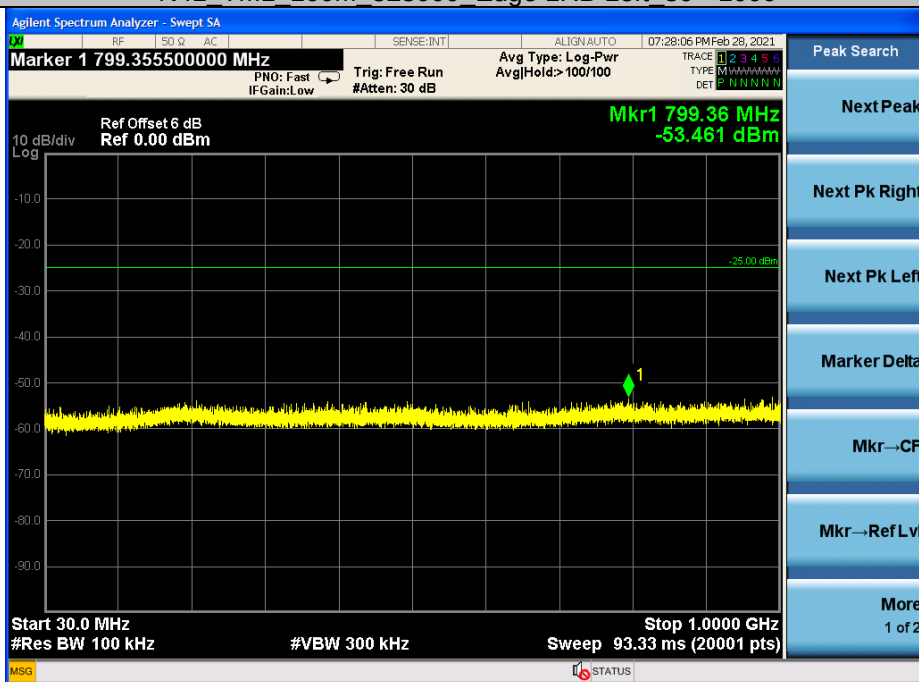
N41 TM1 100M 518598 Edge 1RB Left 30 - 1000



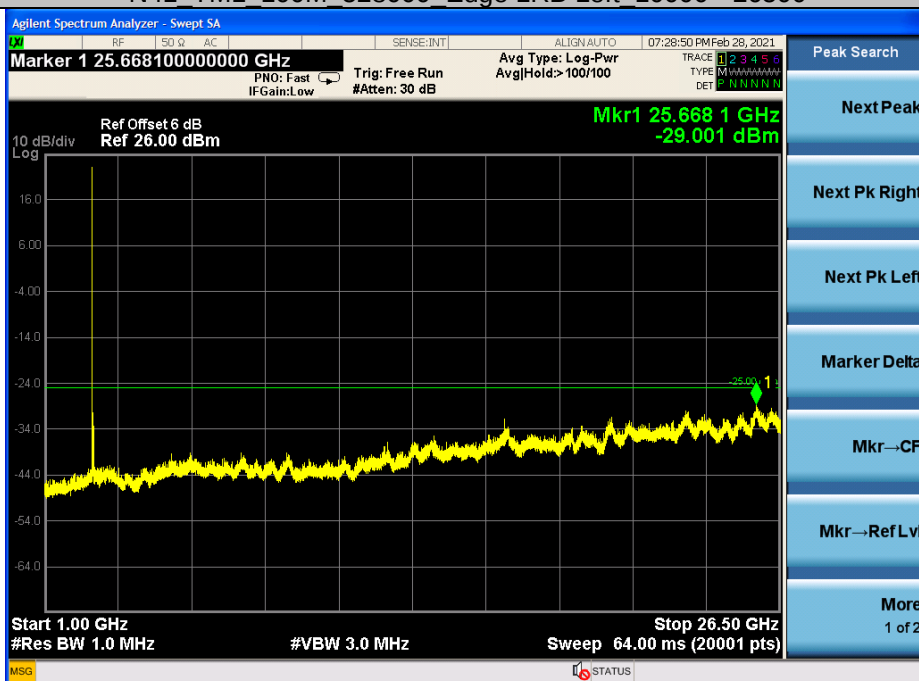
N41 TM1 100M 518598 Edge 1RB Left 1000 - 26500



N41 TM1 100M 528000 Edge 1RB Left 30 - 1000



N41 TM1 100M 528000 Edge 1RB Left 10000 - 26500



REMARK:

All antenna and all modulation had been tested, but only the worst case data displayed in this report



7 Field Strength of Spurious Radiation

7.1 Test Band = N41

7.1.1 Test Mode = 100MHz_TM1

7.1.1.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
41.1550	-73.37	-40.00	33.37	Vertical
71.7100	-69.57	-40.00	29.57	Vertical
184.4725	-78.17	-40.00	38.17	Vertical
1764.1382	-60.77	-40.00	20.77	Vertical
5010.8505	-54.62	-40.00	14.62	Vertical
17864.2432	-47.32	-40.00	7.32	Vertical
41.3975	-78.83	-40.00	38.83	Horizontal
88.4425	-77.32	-40.00	37.32	Horizontal
193.4450	-77.31	-40.00	37.31	Horizontal
1759.1380	-56.85	-40.00	16.85	Horizontal
5811.8906	-53.63	-40.00	13.63	Horizontal
17394.7197	-46.12	-40.00	6.12	Horizontal

7.1.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
40.6700	-73.57	-40.00	33.57	Vertical
70.9825	-69.79	-40.00	29.79	Vertical
493.6600	-81.39	-40.00	41.39	Vertical
5184.1092	-49.81	-40.00	9.81	Vertical
10300.8650	-48.99	-40.00	8.99	Vertical
17858.9930	-46.15	-40.00	6.15	Vertical
41.3975	-78.75	-40.00	38.75	Horizontal
88.6850	-78.18	-40.00	38.18	Horizontal
162.6475	-75.69	-40.00	35.69	Horizontal
1921.0461	-57.65	-40.00	17.65	Horizontal
5799.8900	-54.60	-40.00	14.60	Horizontal
17402.9701	-46.19	-40.00	6.19	Horizontal



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7.1.1.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
40.6700	-66.60	-40.00	26.60	Vertical
73.8925	-70.15	-40.00	30.15	Vertical
184.7150	-77.69	-40.00	37.69	Vertical
1150.7075	-60.76	-40.00	20.76	Vertical
6825.1913	-52.71	-40.00	12.71	Vertical
17842.4921	-46.37	-40.00	6.37	Vertical
40.4275	-77.62	-40.00	37.62	Horizontal
192.9600	-76.40	-40.00	36.40	Horizontal
825.4000	-75.94	-40.00	35.94	Horizontal
1770.2385	-57.68	-40.00	17.68	Horizontal
5811.1406	-53.57	-40.00	13.57	Horizontal
17398.4699	-46.54	-40.00	6.54	Horizontal

REMARK:

All antenna and all modulation had been tested, but only the worst case data displayed in this report



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8 Frequency Stability

8.1 Frequency Error VS. Voltage

NR Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage [Vdc]	Temperature(°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
N41	30KHz	100MHz	TM1	509202	Outer Full	VL	NT	-7.42	-0.00291	±2.5	PASS
N41	30KHz	100MHz	TM1	509202	Outer Full	VN	NT	10.79	0.00424	±2.5	PASS
N41	30KHz	100MHz	TM1	509202	Outer Full	VH	NT	6.77	0.00266	±2.5	PASS
N41	30KHz	100MHz	TM1	518598	Outer Full	VL	NT	12.59	0.00486	±2.5	PASS
N41	30KHz	100MHz	TM1	518598	Outer Full	VN	NT	-8.13	-0.00314	±2.5	PASS
N41	30KHz	100MHz	TM1	518598	Outer Full	VH	NT	5.15	0.00199	±2.5	PASS
N41	30KHz	100MHz	TM1	528000	Outer Full	VL	NT	-4.01	-0.00152	±2.5	PASS
N41	30KHz	100MHz	TM1	528000	Outer Full	VN	NT	-9.41	-0.00356	±2.5	PASS
N41	30KHz	100MHz	TM1	528000	Outer Full	VH	NT	-12.59	-0.00477	±2.5	PASS
N41	30KHz	100MHz	TM6	509202	Outer Full	VL	NT	4.92	0.00193	±2.5	PASS
N41	30KHz	100MHz	TM6	509202	Outer Full	VN	NT	-2.20	-0.00086	±2.5	PASS
N41	30KHz	100MHz	TM6	509202	Outer Full	VH	NT	5.46	0.00214	±2.5	PASS
N41	30KHz	100MHz	TM6	518598	Outer Full	VL	NT	2.92	0.00113	±2.5	PASS
N41	30KHz	100MHz	TM6	518598	Outer Full	VN	NT	11.94	0.00460	±2.5	PASS
N41	30KHz	100MHz	TM6	518598	Outer Full	VH	NT	7.52	0.00290	±2.5	PASS
N41	30KHz	100MHz	TM6	528000	Outer Full	VL	NT	12.01	0.00455	±2.5	PASS
N41	30KHz	100MHz	TM6	528000	Outer Full	VN	NT	0.57	0.00022	±2.5	PASS
N41	30KHz	100MHz	TM6	528000	Outer Full	VH	NT	-3.18	-0.00120	±2.5	PASS

8.2 Frequency Error VS. Temperature

NR Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage [Vdc]	Temperature(°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
N41	30KHz	100MHz	TM1	509202	Outer Full	VN	-30	13.09	0.00514	±2.5	PASS
N41	30KHz	100MHz	TM1	509202	Outer Full	VN	-20	4.49	0.00176	±2.5	PASS
N41	30KHz	100MHz	TM1	509202	Outer Full	VN	-10	-6.03	-0.00237	±2.5	PASS
N41	30KHz	100MHz	TM1	509202	Outer Full	VN	0	13.56	0.00533	±2.5	PASS
N41	30KHz	100MHz	TM1	509202	Outer Full	VN	10	-4.20	-0.00165	±2.5	PASS
N41	30KHz	100MHz	TM1	509202	Outer Full	VN	20	4.05	0.00159	±2.5	PASS
N41	30KHz	100MHz	TM1	509202	Outer Full	VN	30	4.83	0.00190	±2.5	PASS
N41	30KHz	100MHz	TM1	509202	Outer Full	VN	40	-12.35	-0.00485	±2.5	PASS
N41	30KHz	100MHz	TM1	509202	Outer Full	VN	50	-10.92	-0.00429	±2.5	PASS
N41	30KHz	100MHz	TM1	518598	Outer Full	VN	-30	-6.98	-0.00269	±2.5	PASS
N41	30KHz	100MHz	TM1	518598	Outer Full	VN	-20	-7.53	-0.00290	±2.5	PASS
N41	30KHz	100MHz	TM1	518598	Outer Full	VN	-10	2.02	0.00078	±2.5	PASS
N41	30KHz	100MHz	TM1	518598	Outer Full	VN	0	-12.58	-0.00485	±2.5	PASS
N41	30KHz	100MHz	TM1	518598	Outer Full	VN	10	4.61	0.00178	±2.5	PASS
N41	30KHz	100MHz	TM1	518598	Outer Full	VN	20	-5.50	-0.00212	±2.5	PASS
N41	30KHz	100MHz	TM1	518598	Outer Full	VN	30	-12.50	-0.00482	±2.5	PASS



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N41	30KHz	100MHz	TM1	518598	Outer Full	VN	40	1.70	0.00066	±2.5	PASS
N41	30KHz	100MHz	TM1	518598	Outer Full	VN	50	-7.33	-0.00283	±2.5	PASS
N41	30KHz	100MHz	TM1	528000	Outer Full	VN	-30	-7.50	-0.00284	±2.5	PASS
N41	30KHz	100MHz	TM1	528000	Outer Full	VN	-20	14.25	0.00540	±2.5	PASS
N41	30KHz	100MHz	TM1	528000	Outer Full	VN	-10	-6.08	-0.00230	±2.5	PASS
N41	30KHz	100MHz	TM1	528000	Outer Full	VN	0	-0.53	-0.00020	±2.5	PASS
N41	30KHz	100MHz	TM1	528000	Outer Full	VN	10	-10.68	-0.00405	±2.5	PASS
N41	30KHz	100MHz	TM1	528000	Outer Full	VN	20	-1.88	-0.00071	±2.5	PASS
N41	30KHz	100MHz	TM1	528000	Outer Full	VN	30	-5.23	-0.00198	±2.5	PASS
N41	30KHz	100MHz	TM1	528000	Outer Full	VN	40	9.19	0.00348	±2.5	PASS
N41	30KHz	100MHz	TM1	528000	Outer Full	VN	50	11.10	0.00420	±2.5	PASS
N41	30KHz	100MHz	TM6	509202	Outer Full	VN	-30	8.19	0.00322	±2.5	PASS
N41	30KHz	100MHz	TM6	509202	Outer Full	VN	-20	-8.99	-0.00353	±2.5	PASS
N41	30KHz	100MHz	TM6	509202	Outer Full	VN	-10	12.29	0.00483	±2.5	PASS
N41	30KHz	100MHz	TM6	509202	Outer Full	VN	0	5.77	0.00227	±2.5	PASS
N41	30KHz	100MHz	TM6	509202	Outer Full	VN	10	-9.30	-0.00365	±2.5	PASS
N41	30KHz	100MHz	TM6	509202	Outer Full	VN	20	-10.27	-0.00403	±2.5	PASS
N41	30KHz	100MHz	TM6	509202	Outer Full	VN	30	3.48	0.00137	±2.5	PASS
N41	30KHz	100MHz	TM6	509202	Outer Full	VN	40	11.82	0.00464	±2.5	PASS
N41	30KHz	100MHz	TM6	509202	Outer Full	VN	50	5.27	0.00207	±2.5	PASS
N41	30KHz	100MHz	TM6	518598	Outer Full	VN	-30	8.67	0.00334	±2.5	PASS
N41	30KHz	100MHz	TM6	518598	Outer Full	VN	-20	-6.19	-0.00239	±2.5	PASS
N41	30KHz	100MHz	TM6	518598	Outer Full	VN	-10	-8.42	-0.00325	±2.5	PASS
N41	30KHz	100MHz	TM6	518598	Outer Full	VN	0	10.44	0.00403	±2.5	PASS
N41	30KHz	100MHz	TM6	518598	Outer Full	VN	10	11.60	0.00447	±2.5	PASS
N41	30KHz	100MHz	TM6	518598	Outer Full	VN	20	2.51	0.00097	±2.5	PASS
N41	30KHz	100MHz	TM6	518598	Outer Full	VN	30	-0.13	-0.00005	±2.5	PASS
N41	30KHz	100MHz	TM6	518598	Outer Full	VN	40	12.97	0.00500	±2.5	PASS
N41	30KHz	100MHz	TM6	518598	Outer Full	VN	50	-7.74	-0.00298	±2.5	PASS
N41	30KHz	100MHz	TM6	528000	Outer Full	VN	-30	11.30	0.00428	±2.5	PASS
N41	30KHz	100MHz	TM6	528000	Outer Full	VN	-20	-8.11	-0.00307	±2.5	PASS
N41	30KHz	100MHz	TM6	528000	Outer Full	VN	-10	-3.98	-0.00151	±2.5	PASS
N41	30KHz	100MHz	TM6	528000	Outer Full	VN	0	-7.42	-0.00281	±2.5	PASS
N41	30KHz	100MHz	TM6	528000	Outer Full	VN	10	-8.93	-0.00338	±2.5	PASS
N41	30KHz	100MHz	TM6	528000	Outer Full	VN	20	14.16	0.00536	±2.5	PASS
N41	30KHz	100MHz	TM6	528000	Outer Full	VN	30	-10.11	-0.00383	±2.5	PASS
N41	30KHz	100MHz	TM6	528000	Outer Full	VN	40	3.72	0.00141	±2.5	PASS
N41	30KHz	100MHz	TM6	528000	Outer Full	VN	50	8.16	0.00309	±2.5	PASS

REMARK:

All antenna and all modulation had been tested, but only the worst case data displayed in this report

The End



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