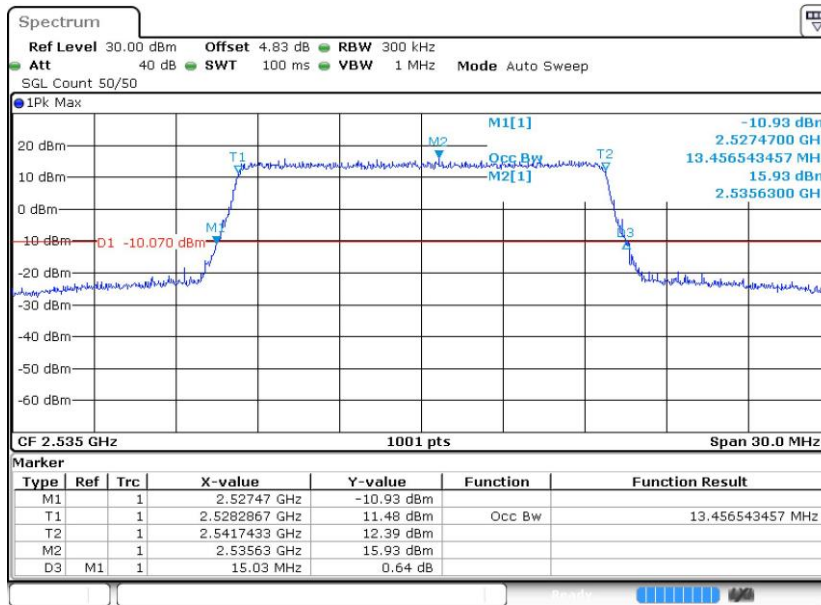




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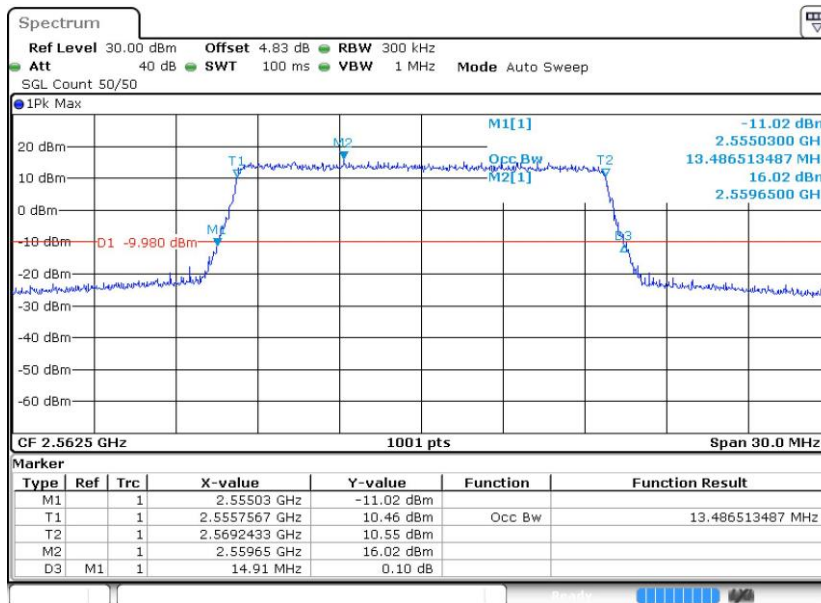
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Band7-15MHz-16QAM-21100-75RB#0



Date: 19.DEC.2023 05:32:23

Band7-15MHz-16QAM-21375-75RB#0



Date: 19.DEC.2023 05:33:04



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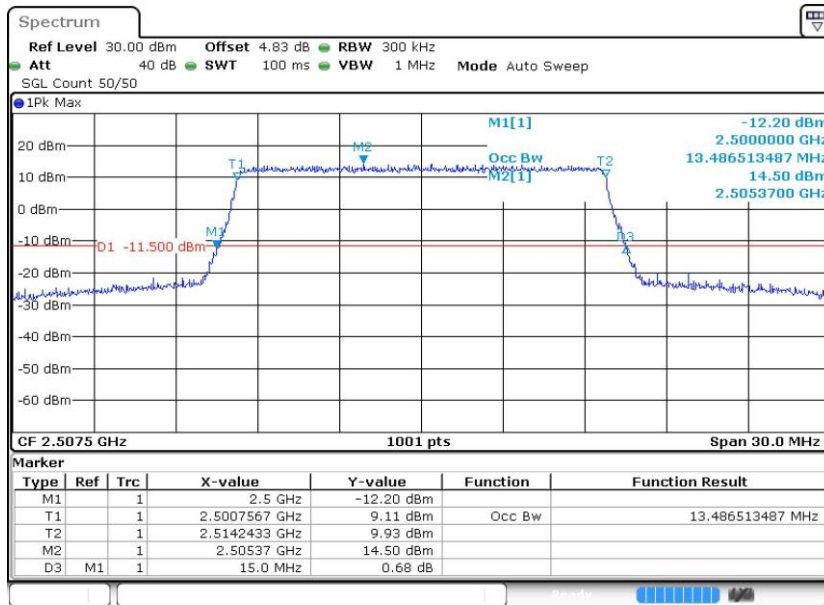
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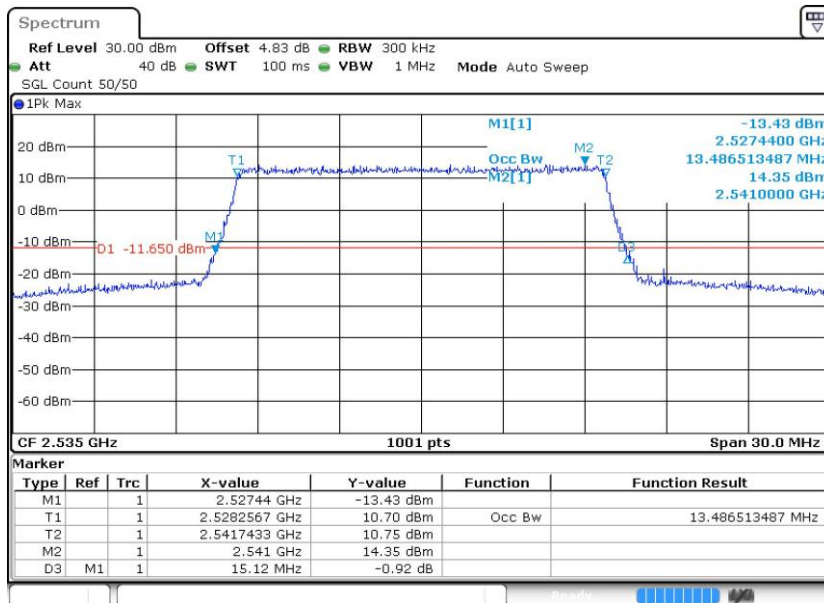
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Band7-15MHz-64QAM-20825-75RB#0



Date: 19.DEC.2023 15:12:16

Band7-15MHz-64QAM-21100-75RB#0



Date: 19.DEC.2023 15:12:34



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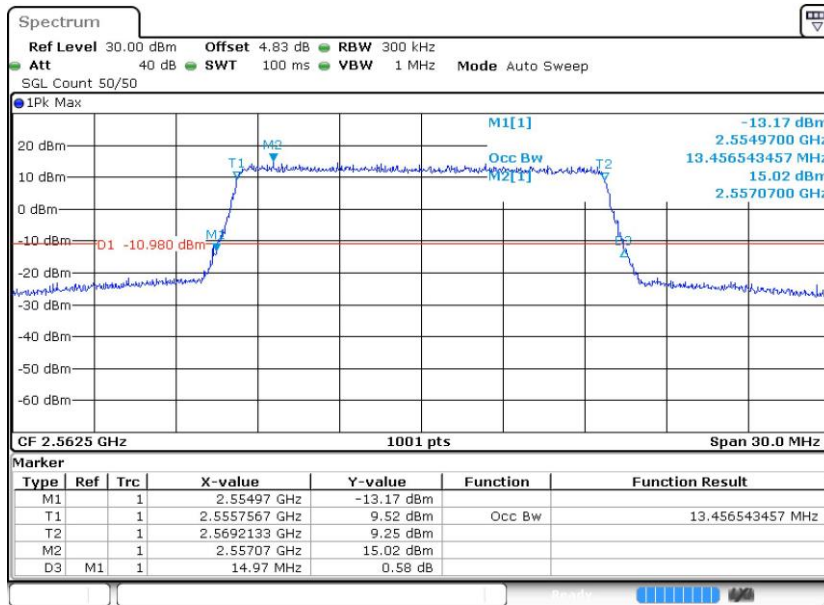
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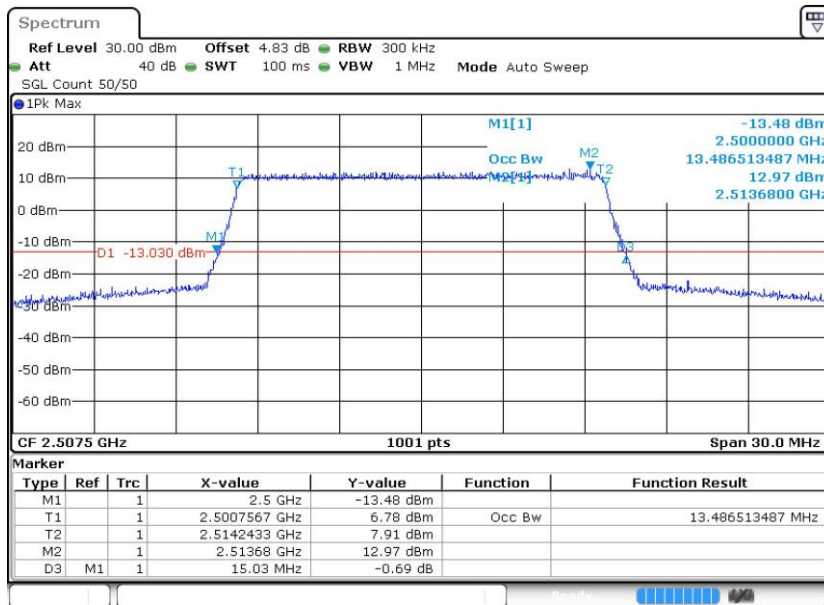
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Band7-15MHz-256QAM-20825-75RB#0



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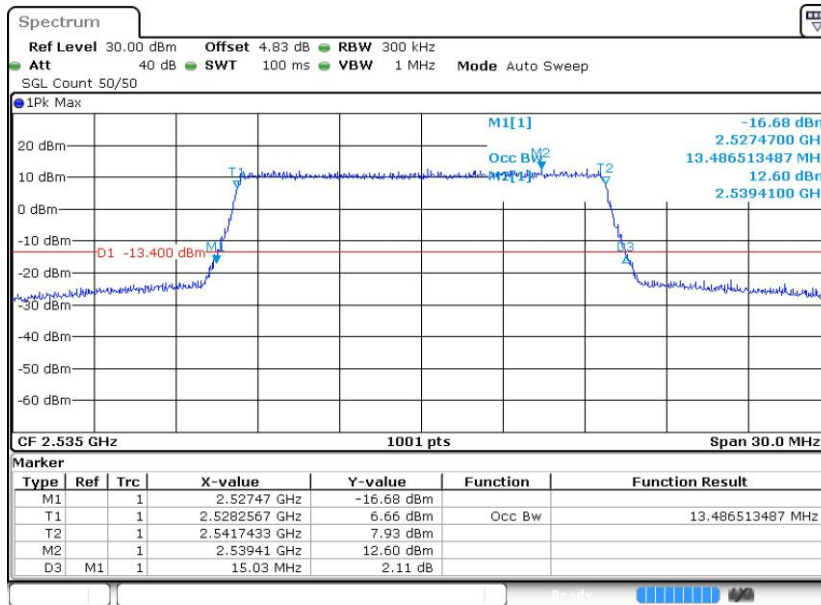
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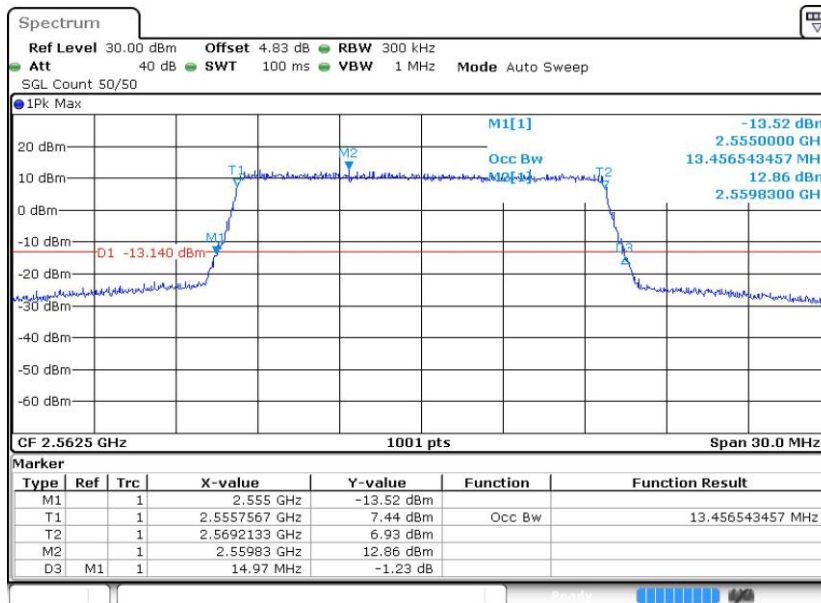
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Date: 19.DEC.2023 20:10:26

Band7-15MHz-256QAM-21375-75RB#0



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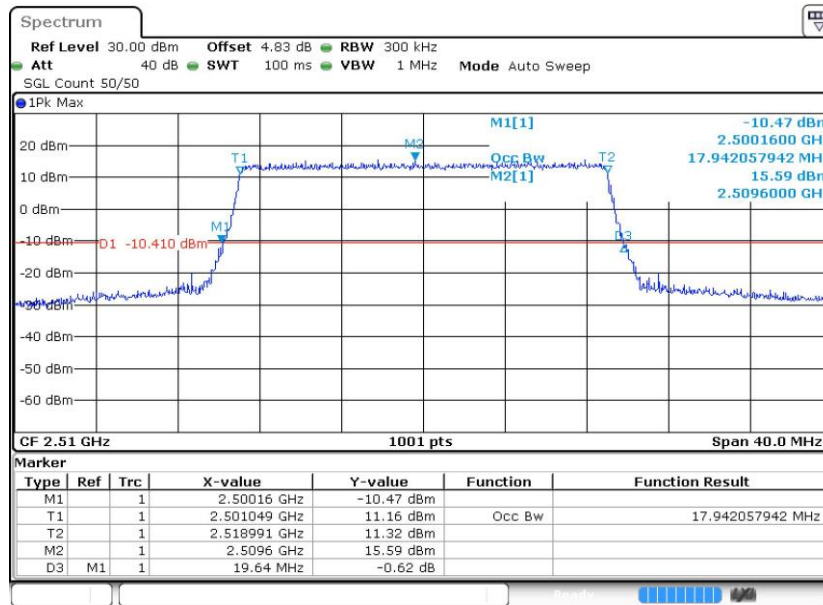
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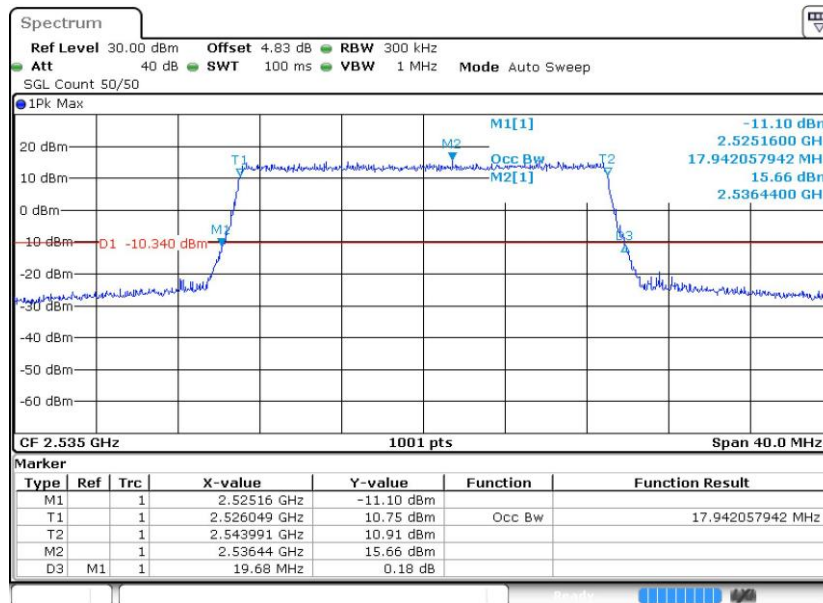
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Date: 19.DEC.2023 05:33:40

Band7-20MHz-QPSK-21100-100RB#0



Date: 19.DEC.2023 05:34:21



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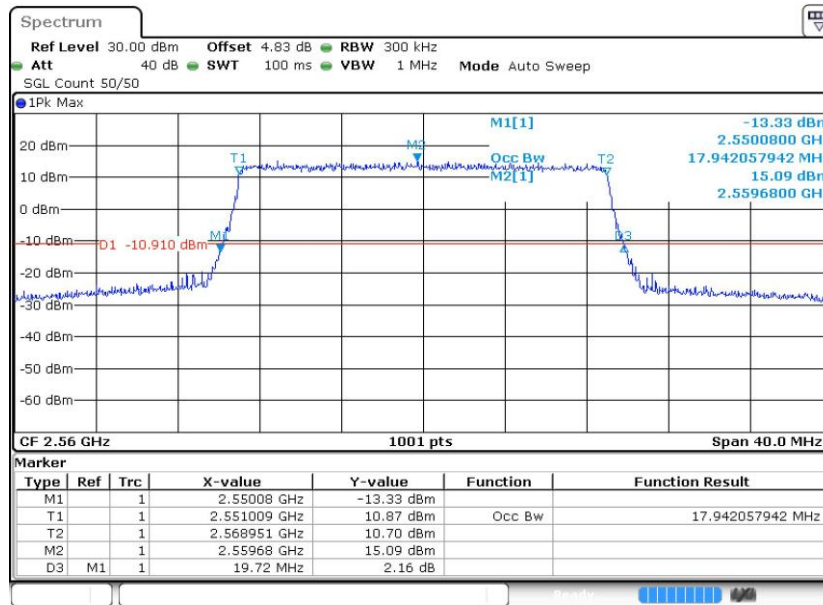
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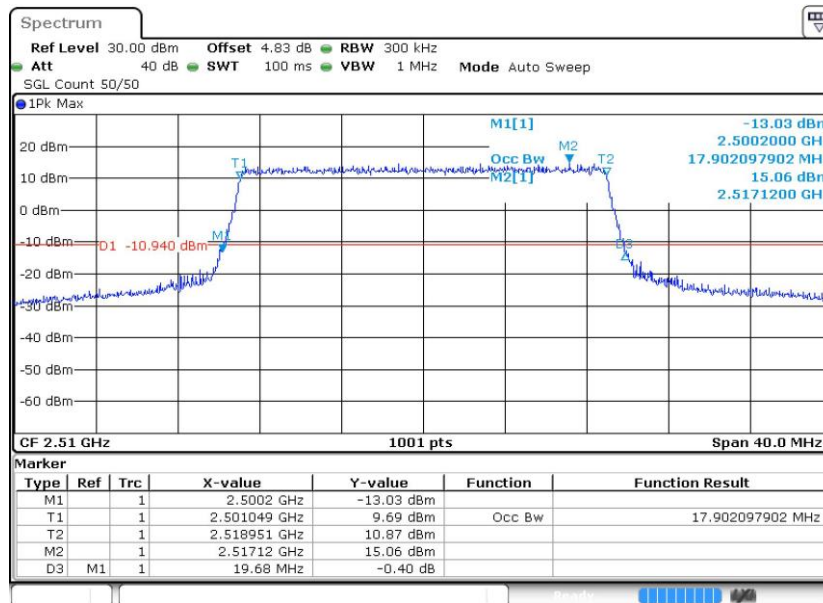
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Band7-20MHz-16QAM-20850-100RB#0



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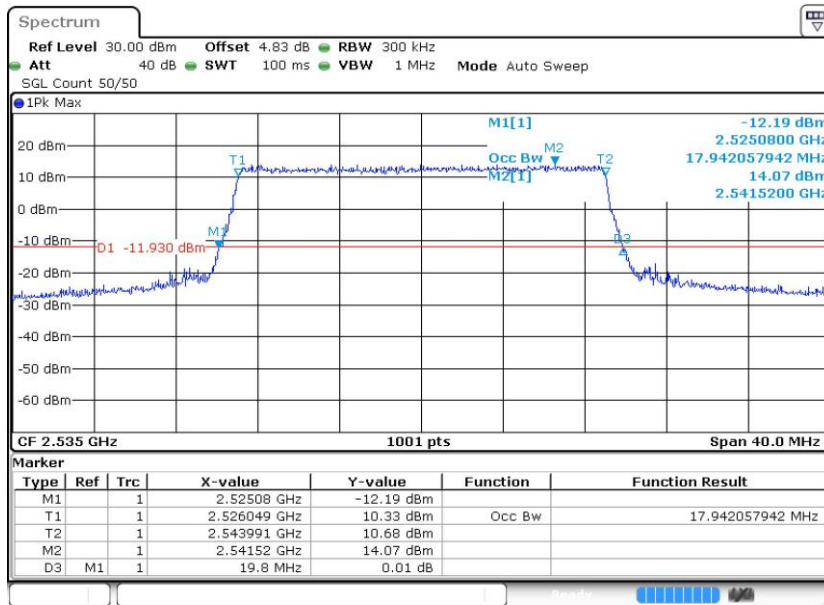
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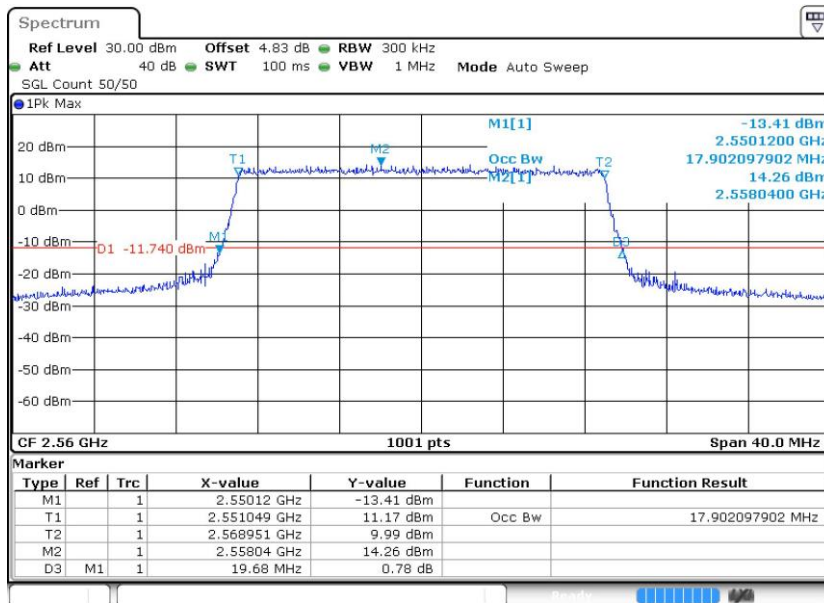
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Date: 19.DEC.2023 05:35:20



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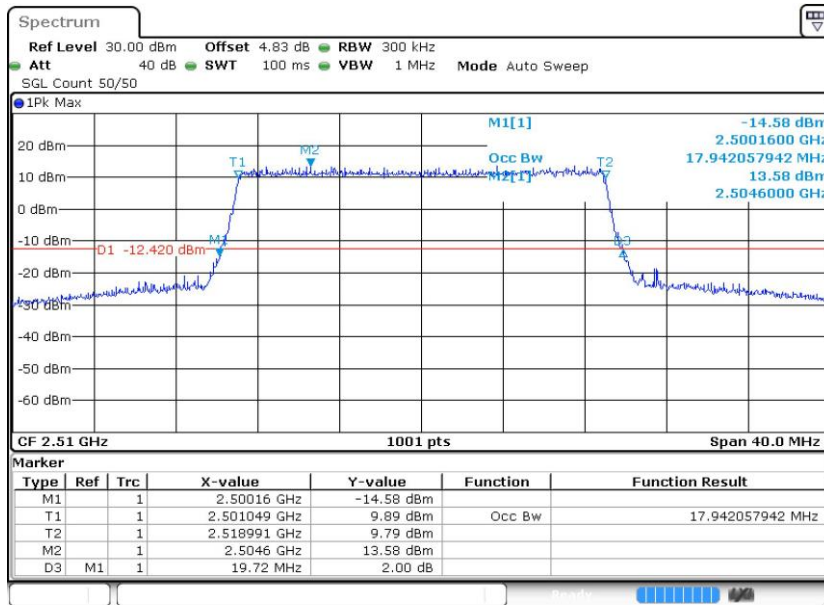
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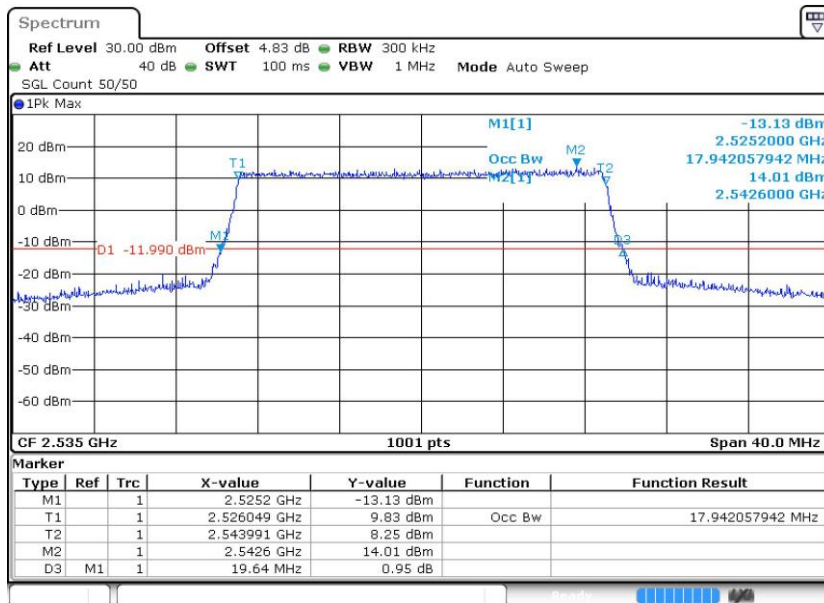
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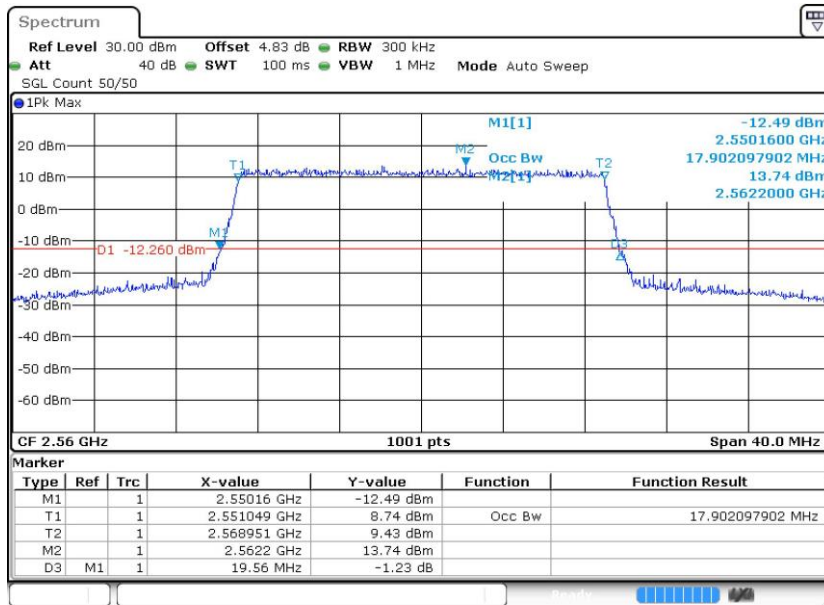
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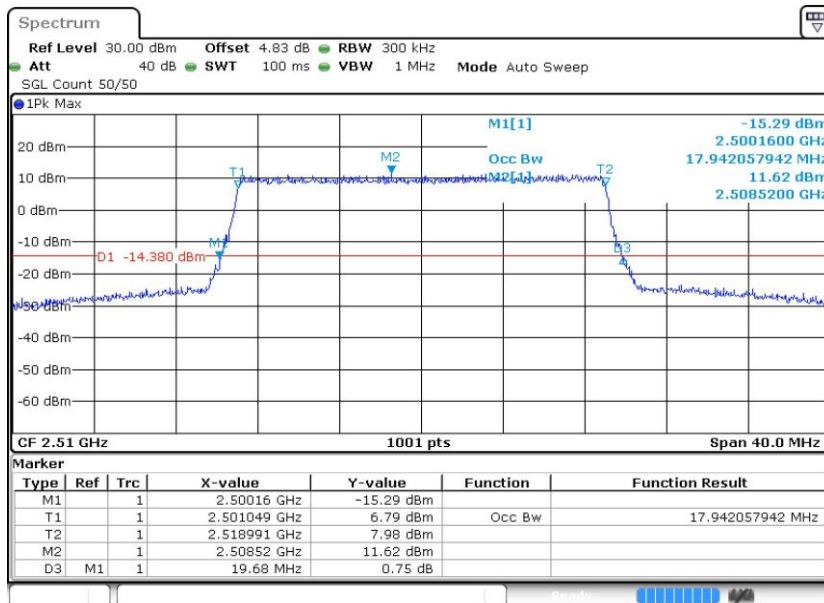
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Date: 19.DEC.2023 15:14:02

Band7-20MHz-256QAM-20850-100RB#0



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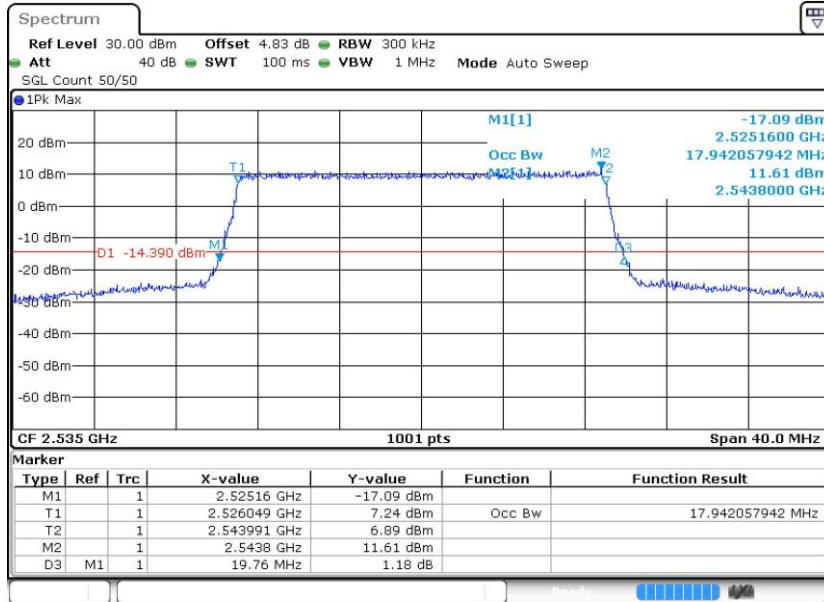
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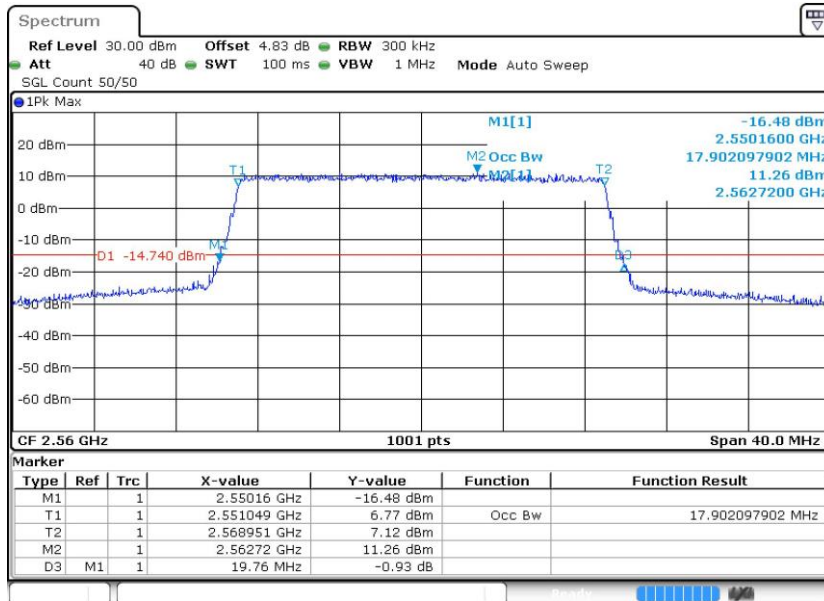
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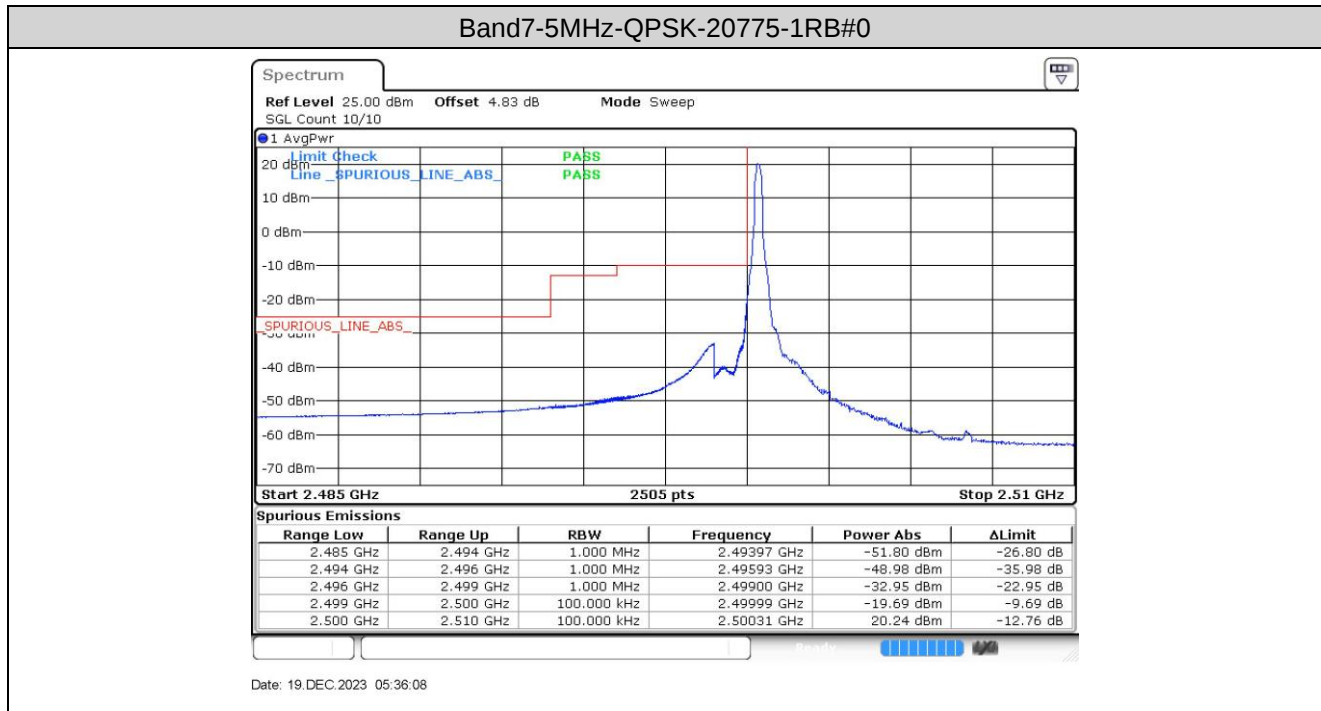


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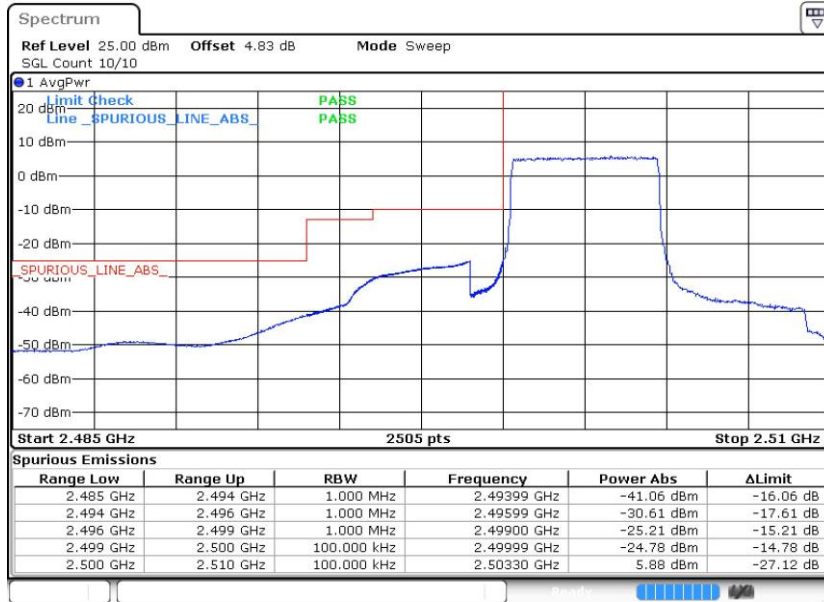
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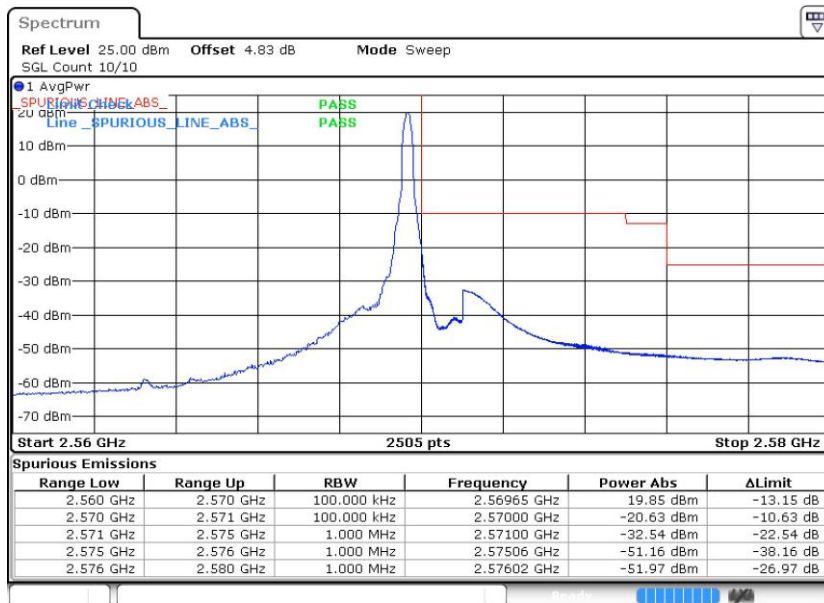
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Band7-5MHz-QPSK-20775-25RB#0



Band7-5MHz-QPSK-21425-1RB#24



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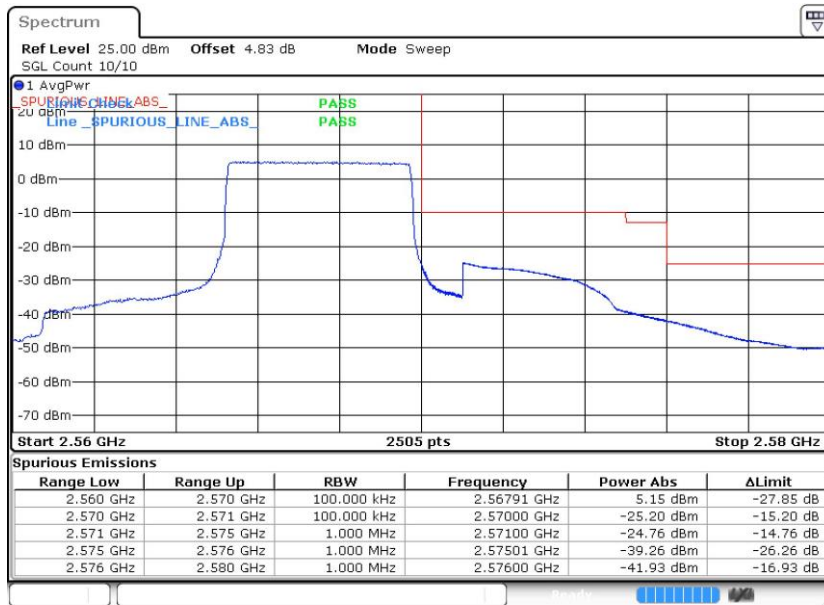
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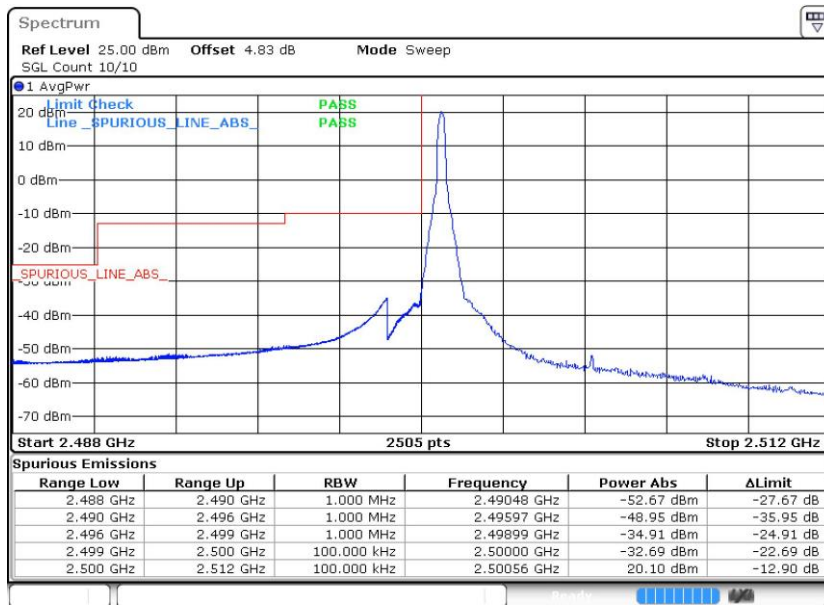
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Band7-5MHz-QPSK-21425-25RB#0



Band7-10MHz-QPSK-20800-1RB#0



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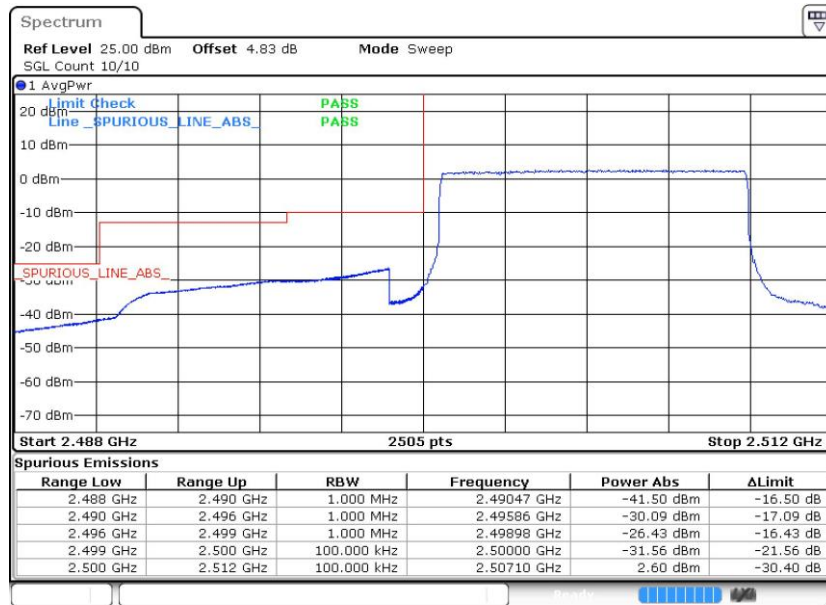
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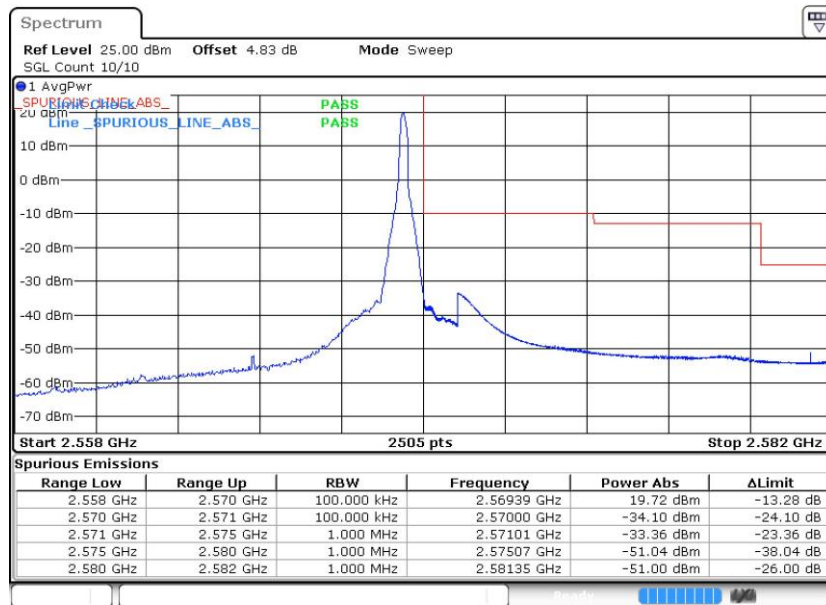
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Band7-10MHz-QPSK-20800-50RB#0



Band7-10MHz-QPSK-21400-1RB#49



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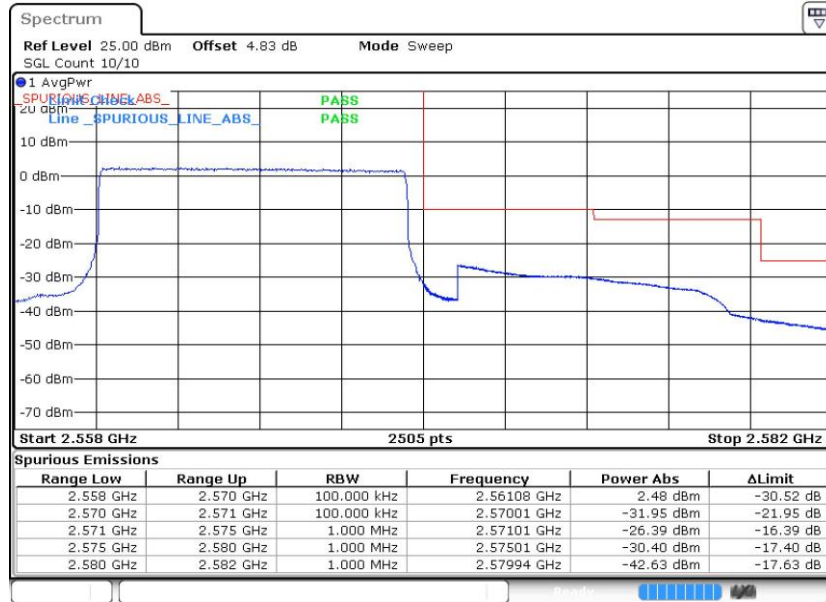
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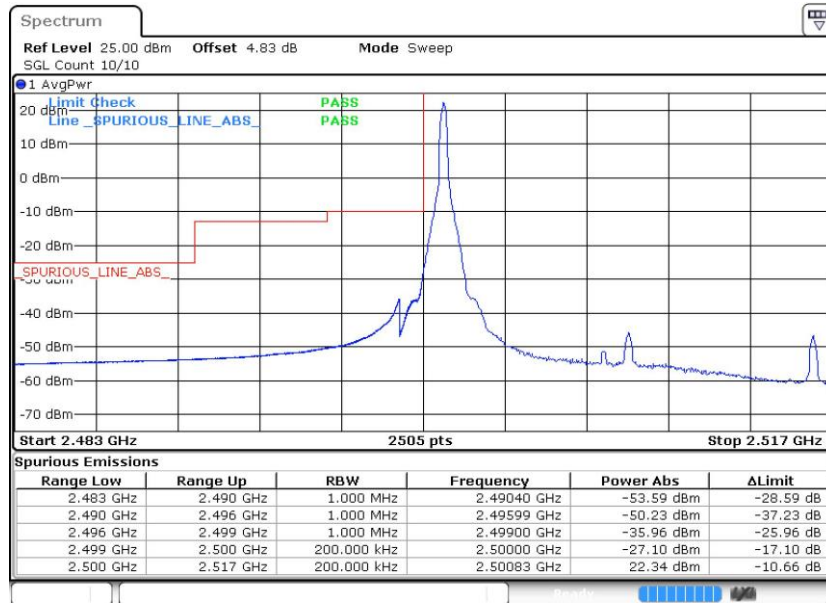
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Band7-10MHz-QPSK-21400-50RB#0



Band7-15MHz-QPSK-20825-1RB#0



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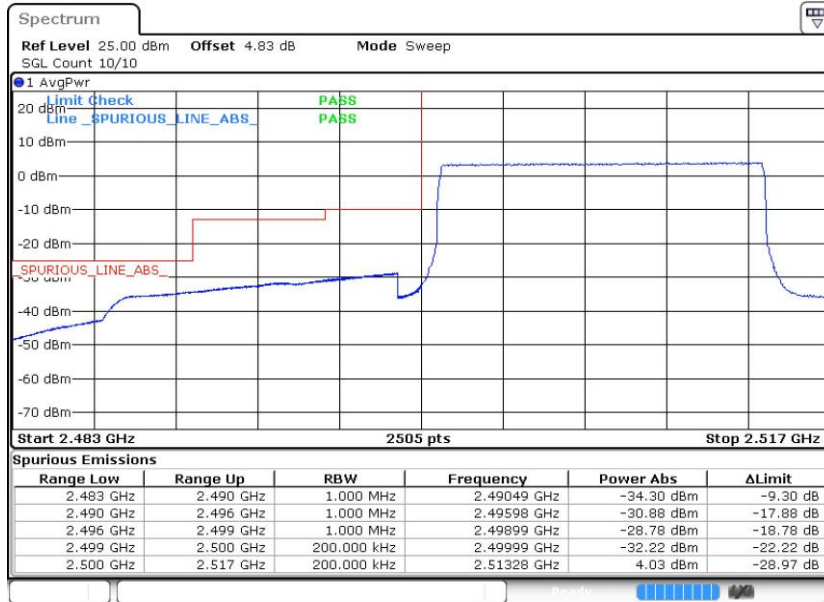
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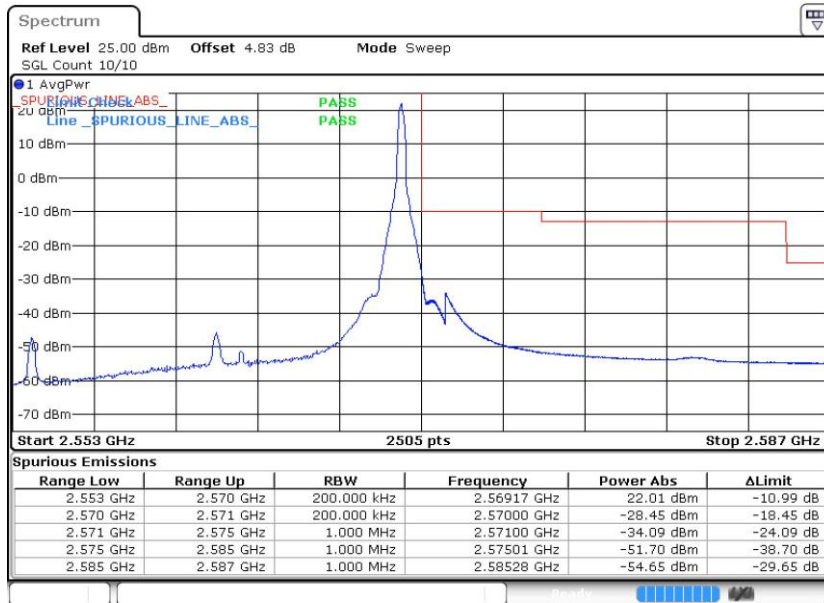
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Band7-15MHz-QPSK-20825-75RB#0



Band7-15MHz-QPSK-21375-1RB#74



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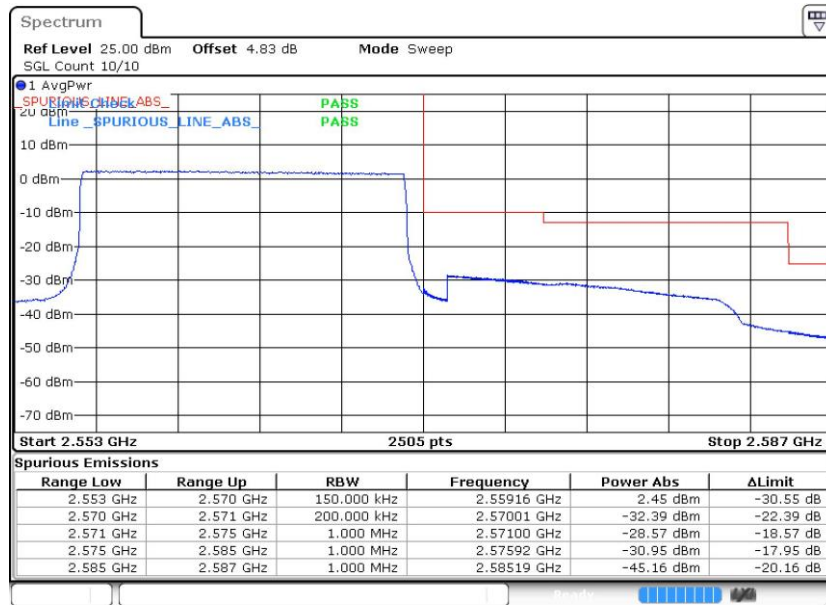
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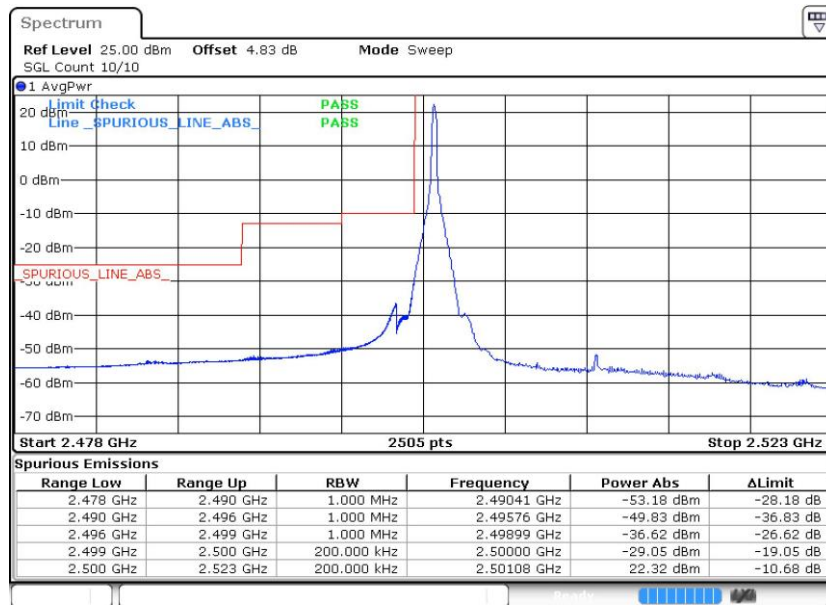
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Band7-15MHz-QPSK-21375-75RB#0



Band7-20MHz-QPSK-20850-1RB#0



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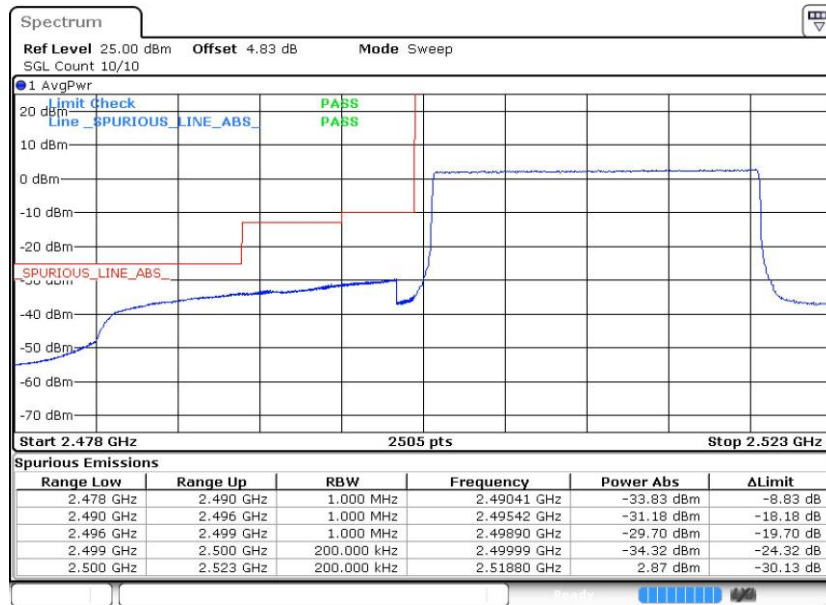
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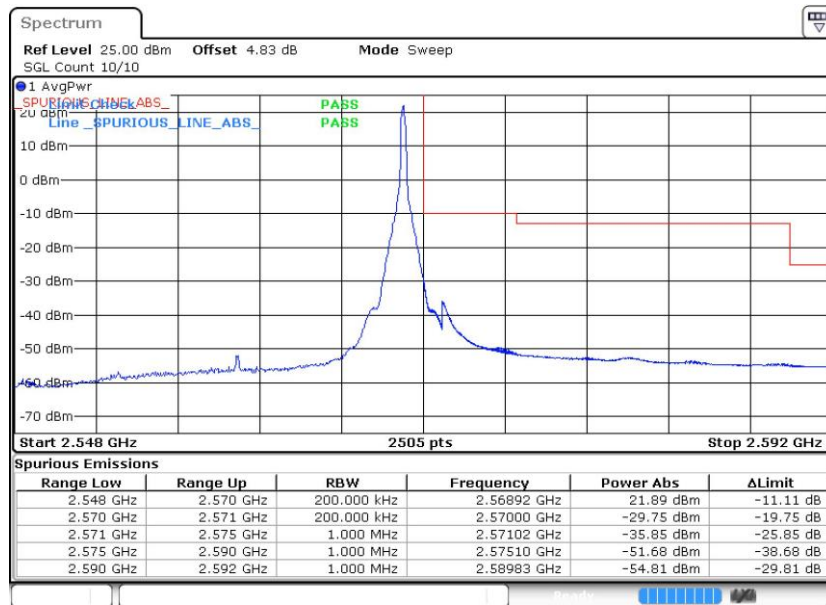
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Band7-20MHz-QPSK-20850-100RB#0



Band7-20MHz-QPSK-21350-1RB#99



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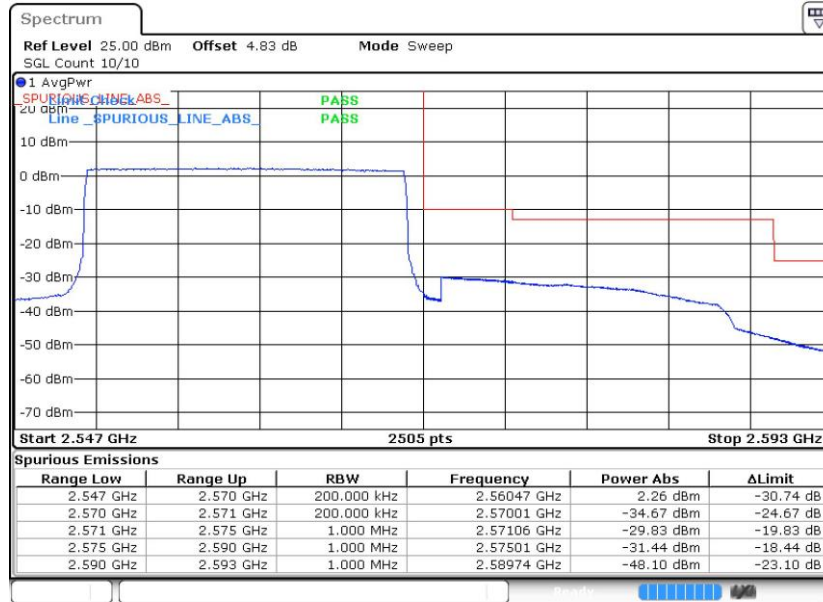
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Band7-20MHz-QPSK-21350-100RB#0



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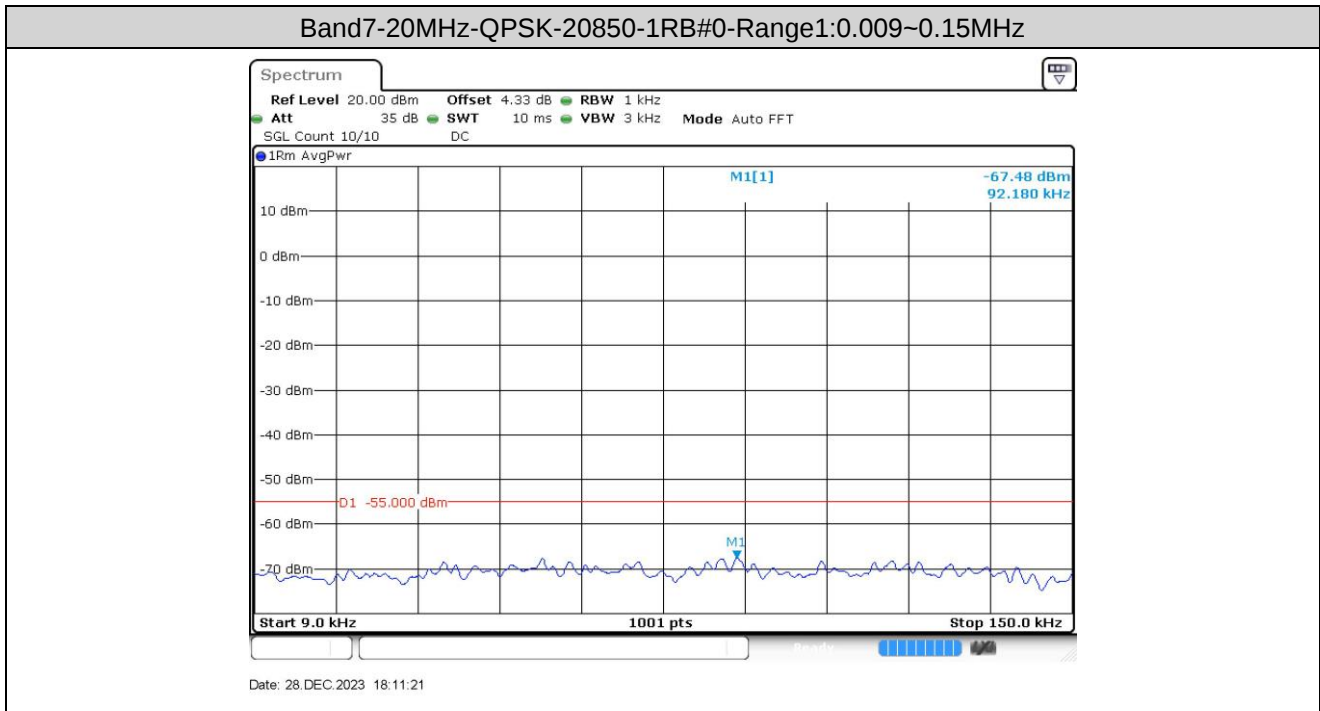


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Conducted Spurious Emission

Test Graphs



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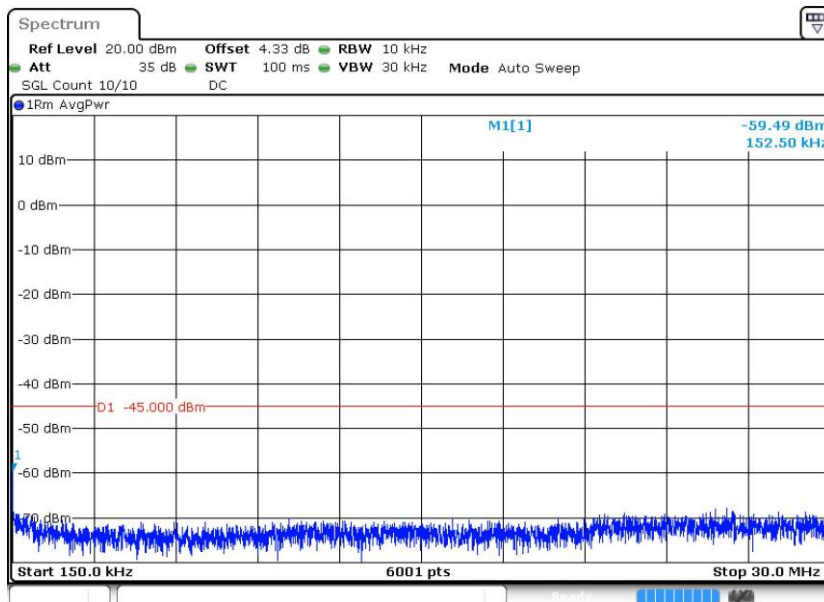
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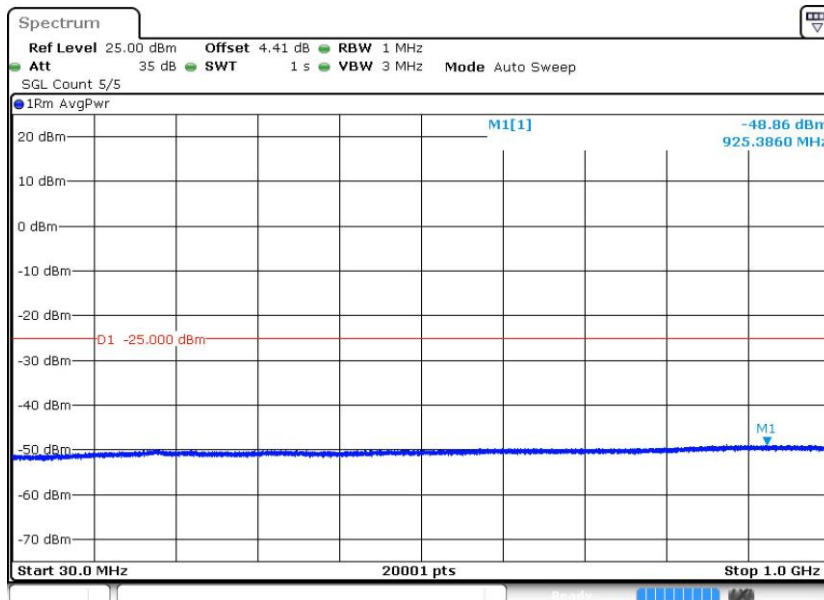
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Band7-20MHz-QPSK-20850-1RB#0-Range2:0.15~30MHz



Date: 28.DEC.2023 18:11:26

Band7-20MHz-QPSK-20850-1RB#0-Range3:30~1000MHz



Date: 28.DEC.2023 18:11:34



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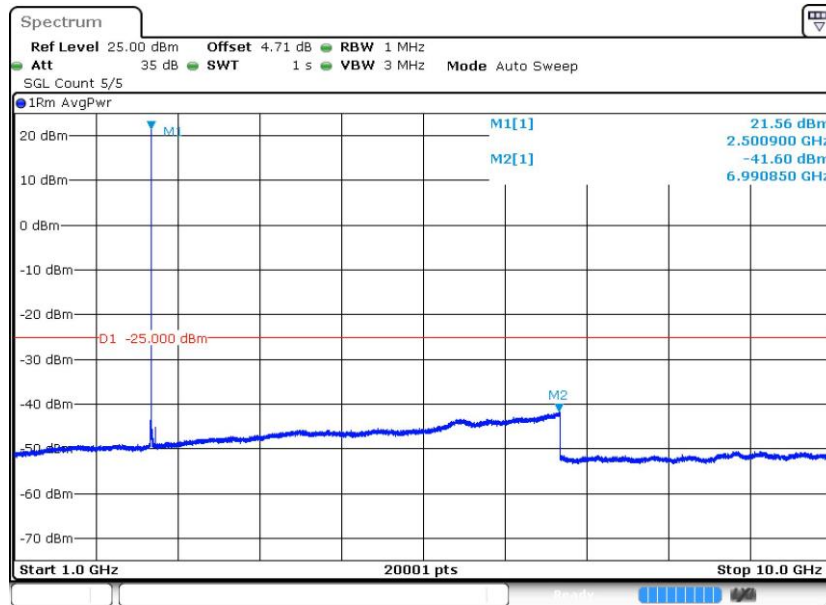
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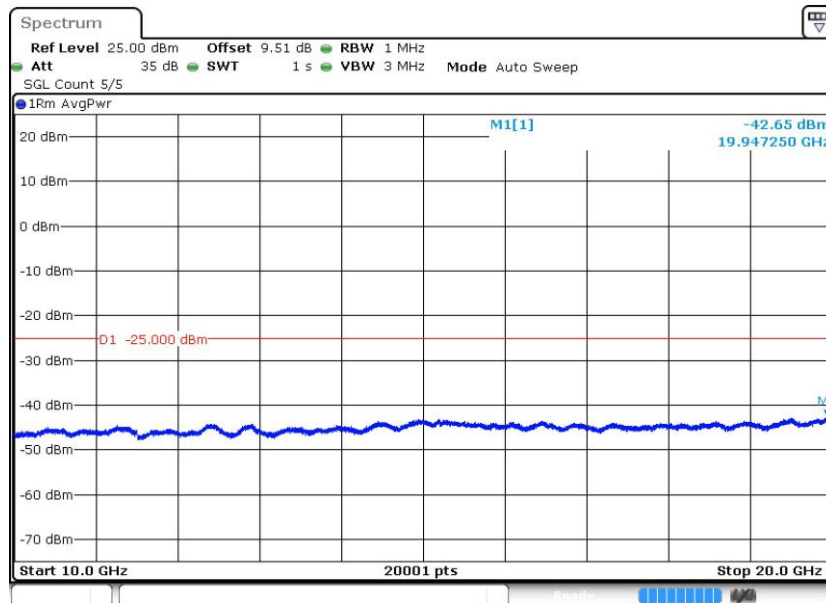
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Band7-20MHz-QPSK-20850-1RB#0-Range4:1000~10000MHz



Date: 28.DEC.2023 18:11:43

Band7-20MHz-QPSK-20850-1RB#0-Range5:10000~20000MHz



Date: 28.DEC.2023 18:11:52



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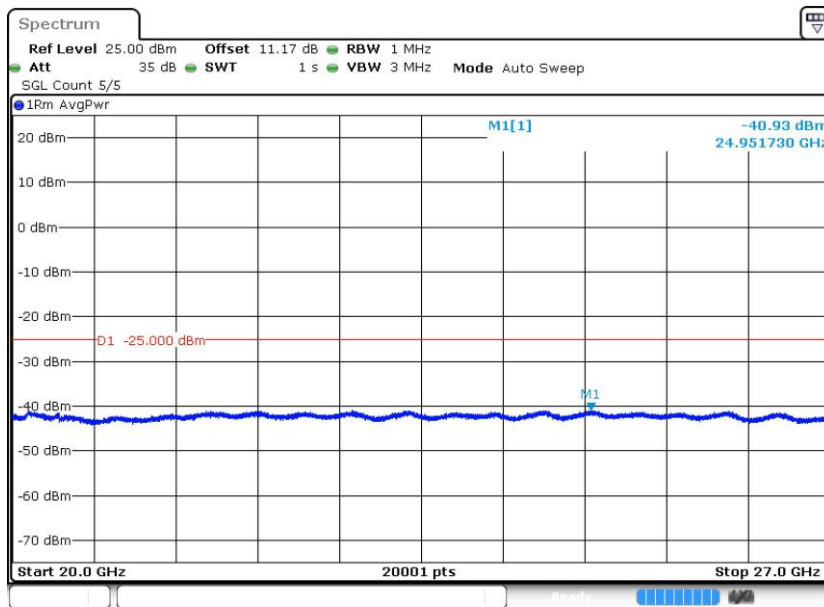
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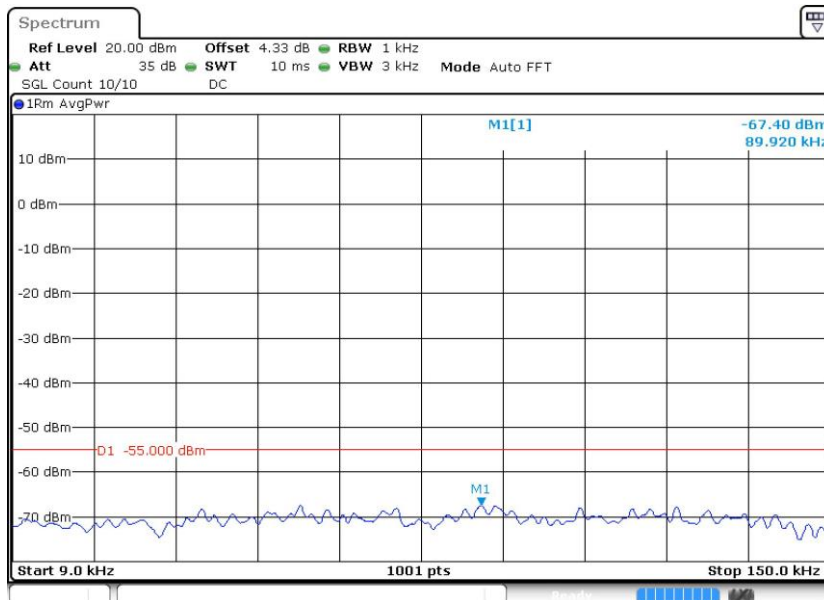
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Band7-20MHz-QPSK-20850-1RB#0-Range6:20000~27000MHz



Date: 28.DEC.2023 18:12:00

Band7-20MHz-QPSK-21100-1RB#0-Range1:0.009~0.15MHz



Date: 28.DEC.2023 18:12:13



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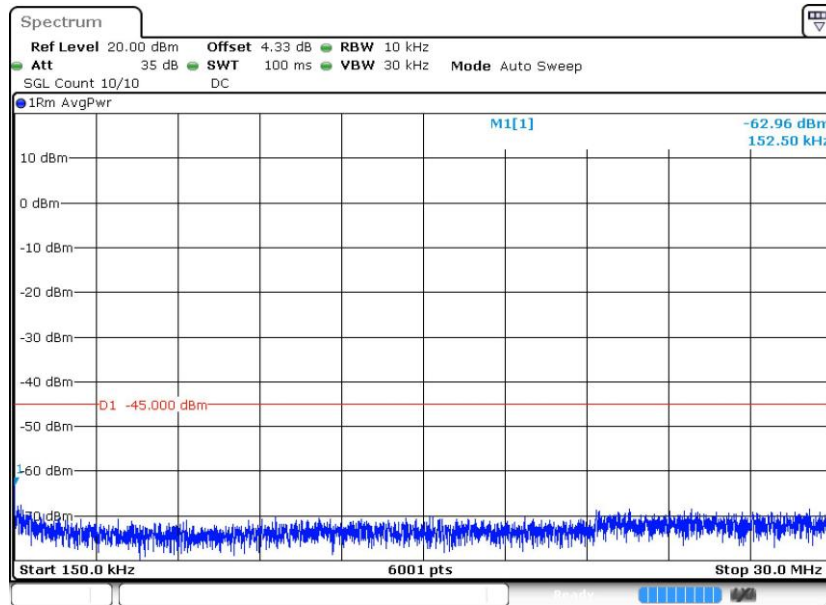
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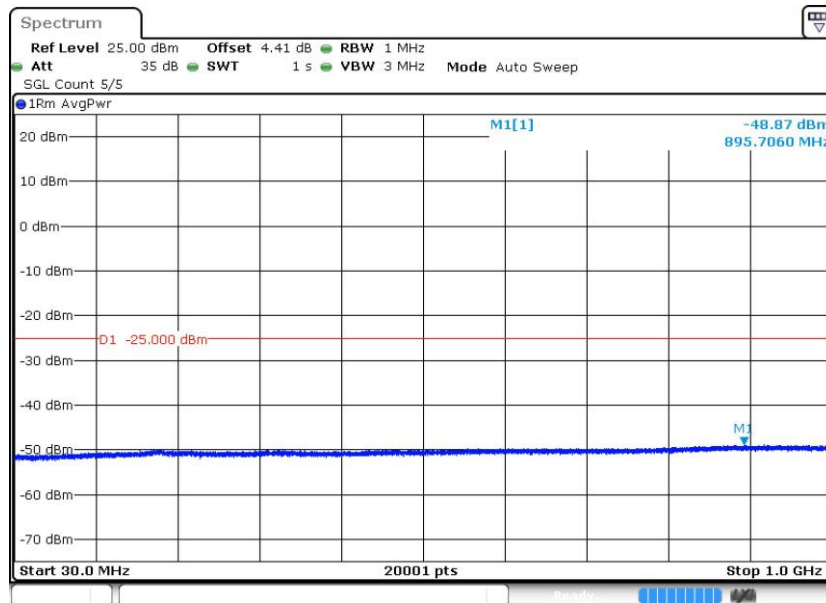
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Band7-20MHz-QPSK-21100-1RB#0-Range2:0.15~30MHz



Date: 28.DEC.2023 18:12:18

Band7-20MHz-QPSK-21100-1RB#0-Range3:30~1000MHz



Date: 28.DEC.2023 18:12:26



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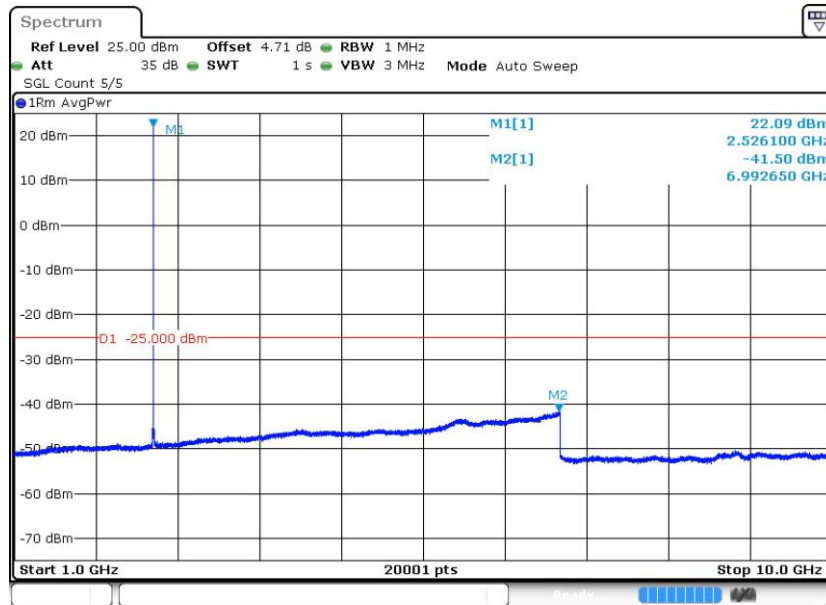
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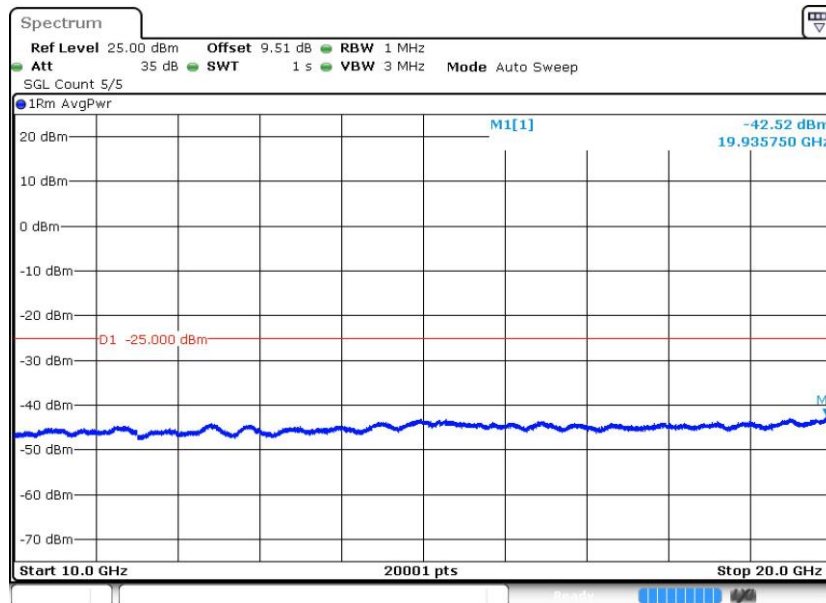
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Date: 28.DEC.2023 18:12:35

Band7-20MHz-QPSK-21100-1RB#0-Range5:10000~20000MHz



Date: 28.DEC.2023 18:12:44



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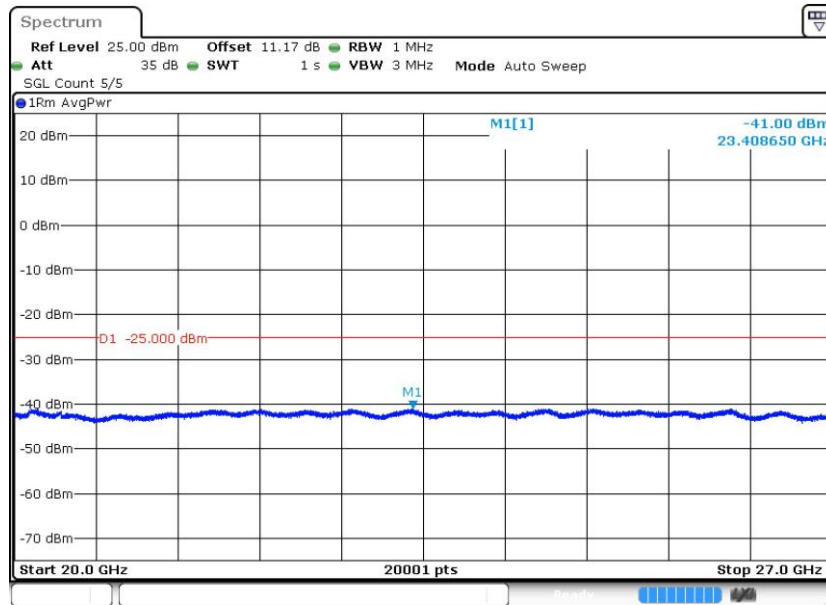
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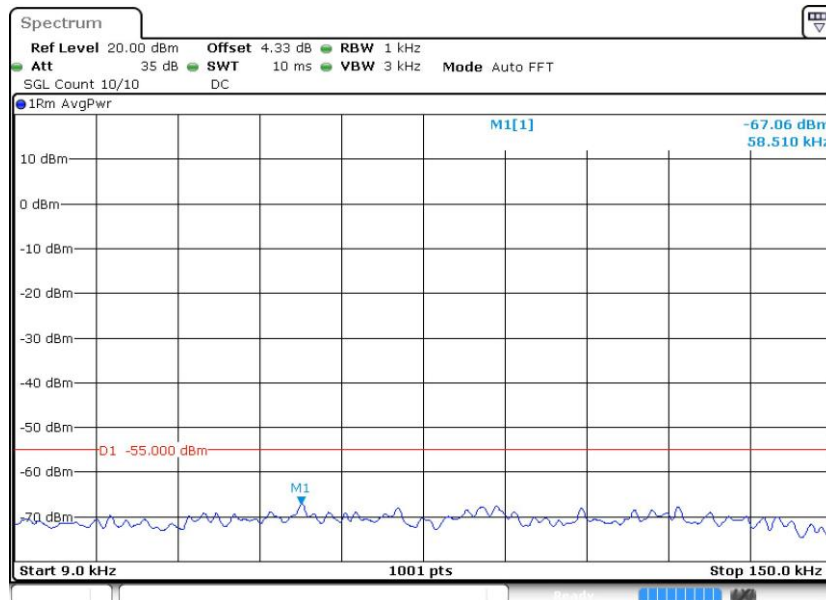
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Band7-20MHz-QPSK-21100-1RB#0-Range6:20000~27000MHz



Date: 28.DEC.2023 18:12:52

Band7-20MHz-QPSK-21350-1RB#0-Range1:0.009~0.15MHz



Date: 28.DEC.2023 18:13:06



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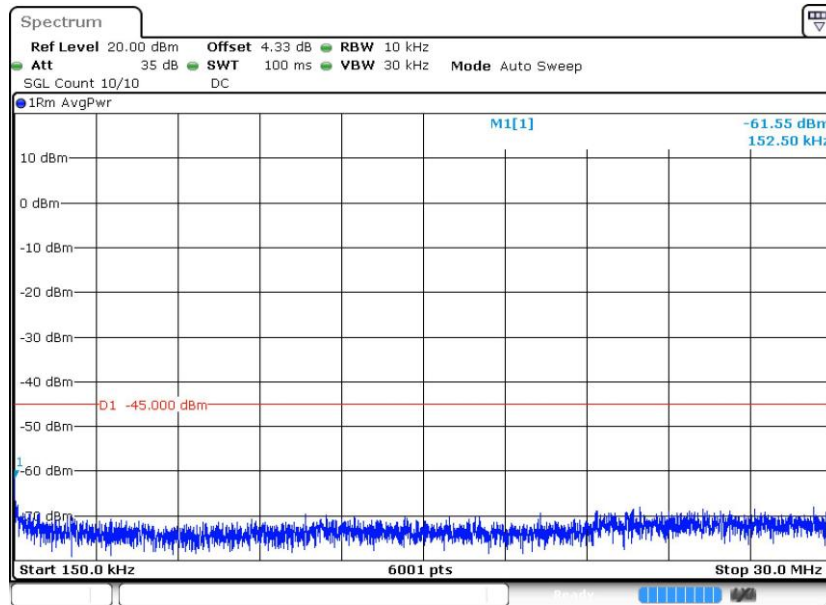
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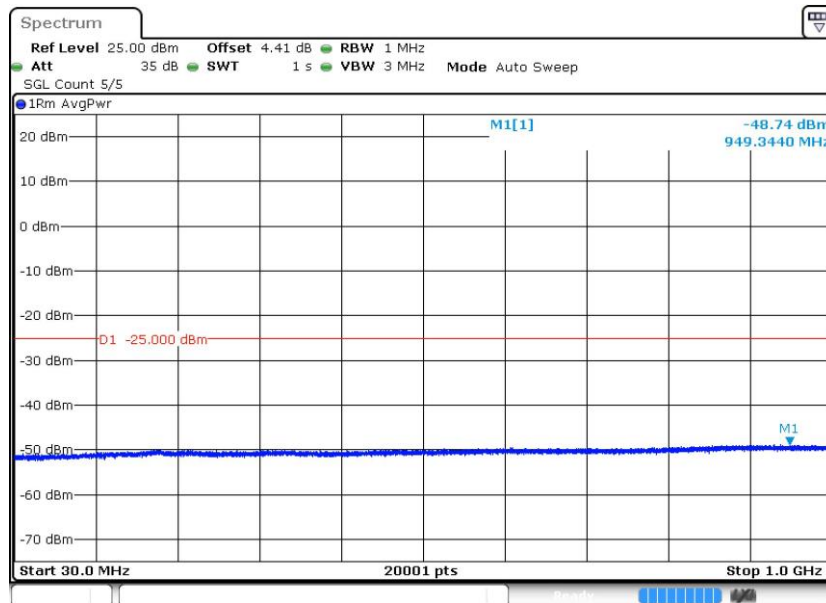
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Band7-20MHz-QPSK-21350-1RB#0-Range2:0.15~30MHz



Date: 28.DEC.2023 18:13:10

Band7-20MHz-QPSK-21350-1RB#0-Range3:30~1000MHz



Date: 28.DEC.2023 18:13:19



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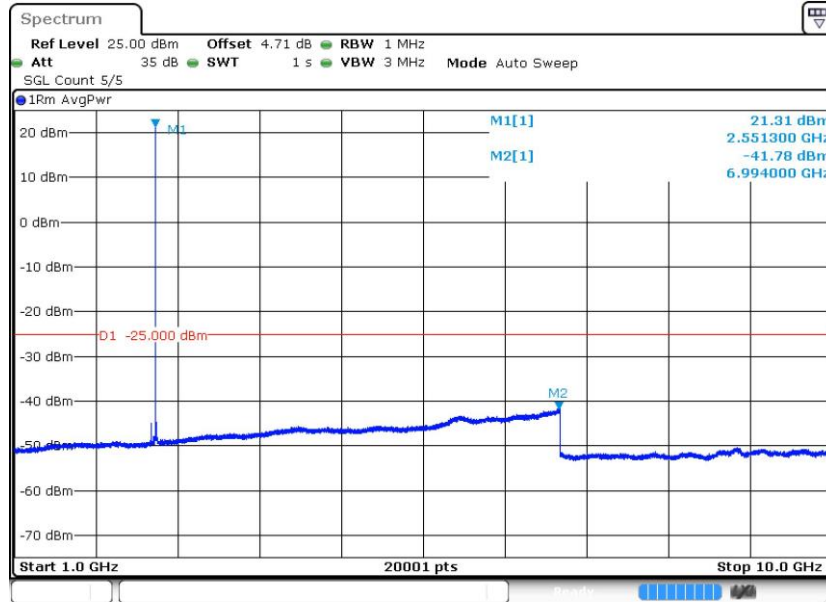
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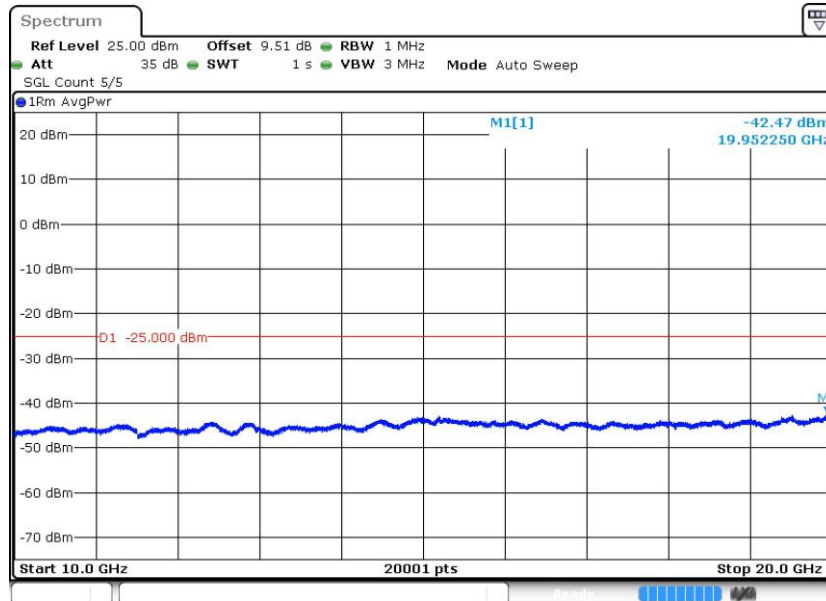
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Band7-20MHz-QPSK-21350-1RB#0-Range4:1000~10000MHz



Date: 28.DEC.2023 18:13:28

Band7-20MHz-QPSK-21350-1RB#0-Range5:10000~20000MHz



Date: 28.DEC.2023 18:13:36



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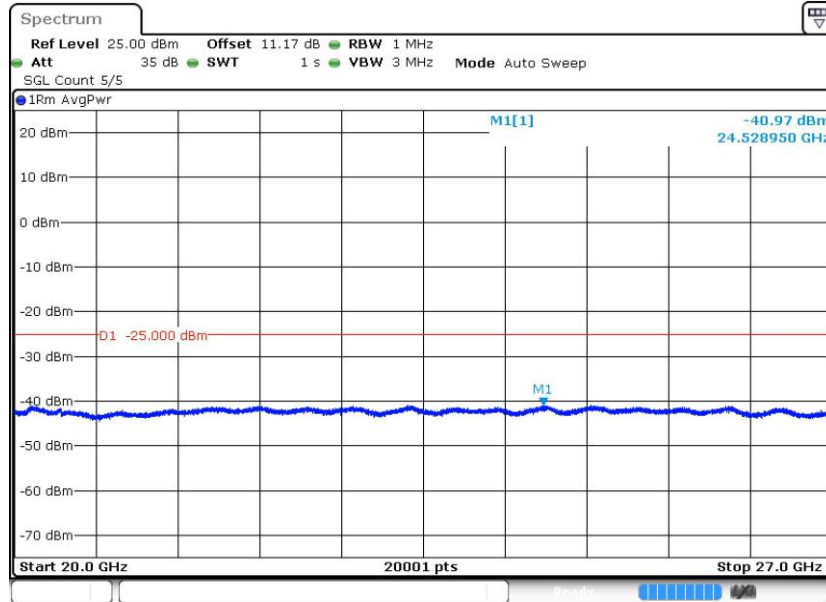
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Band7-20MHz-QPSK-21350-1RB#0-Range6:20000~27000MHz



Date: 28 DEC 2023 18:13:45



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Field Strength of Spurious Radiation

Test Band = B7_ TM1

Test Channel = Low channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5002.0000	45.51	31.41	-47.19	-65.53	-25.00	40.53	Horizontal
2	7503.0000	43.25	36.40	-45.08	-60.69	-25.00	35.69	Horizontal
3	10004.0000	40.78	38.40	-41.26	-57.34	-25.00	32.34	Horizontal
4	12505.0000	37.37	39.75	-38.86	-57.00	-25.00	32.00	Horizontal
5	15006.0000	36.33	41.58	-37.35	-54.70	-25.00	29.70	Horizontal
6	17507.0000	34.37	44.29	-35.75	-52.35	-25.00	27.35	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5002.2801	47.88	31.41	-47.19	-63.16	-25.00	38.16	Vertical
2	7503.0000	43.69	36.40	-45.08	-60.25	-25.00	35.25	Vertical
3	10004.0802	46.09	38.40	-41.26	-52.03	-25.00	27.03	Vertical
4	12505.0000	38.56	39.75	-38.86	-55.81	-25.00	30.81	Vertical
5	15006.0000	36.17	41.58	-37.35	-54.86	-25.00	29.86	Vertical
6	17507.0000	34.22	44.29	-35.75	-52.50	-25.00	27.50	Vertical



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Test Band = B7_ TM1
Test Channel = Mid channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5052.0000	45.68	31.52	-47.13	-65.19	-25.00	40.19	Horizontal
2	7578.0000	42.73	36.37	-44.73	-60.89	-25.00	35.89	Horizontal
3	10104.2842	40.54	38.53	-40.80	-56.99	-25.00	31.99	Horizontal
4	12630.0000	37.33	39.74	-38.63	-56.82	-25.00	31.82	Horizontal
5	15156.0000	36.57	41.07	-36.90	-54.52	-25.00	29.52	Horizontal
6	17682.0000	35.09	45.22	-36.39	-51.34	-25.00	26.34	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5052.0821	48.68	31.52	-47.13	-62.19	-25.00	37.19	Vertical
2	7578.0000	43.65	36.37	-44.73	-59.97	-25.00	34.97	Vertical
3	10104.2842	46.81	38.53	-40.80	-50.72	-25.00	25.72	Vertical
4	12630.0000	38.87	39.74	-38.63	-55.28	-25.00	30.28	Vertical
5	15156.0000	36.51	41.07	-36.90	-54.58	-25.00	29.58	Vertical
6	17682.0000	35.01	45.22	-36.39	-51.42	-25.00	26.42	Vertical



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Test Band = B7_ TM1
Test Channel = High channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3543.0217	45.56	28.77	-47.14	-68.07	-25.00	43.07	Horizontal
2	5102.0000	44.75	31.65	-47.07	-65.93	-25.00	40.93	Horizontal
3	7653.0000	42.51	36.34	-44.31	-60.72	-25.00	35.72	Horizontal
4	10204.4882	40.27	38.65	-41.20	-57.54	-25.00	32.54	Horizontal
5	12755.0000	37.05	39.72	-38.54	-57.03	-25.00	32.03	Horizontal
6	15306.0000	36.59	40.56	-36.57	-54.68	-25.00	29.68	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3506.4203	45.39	28.71	-46.94	-68.10	-25.00	43.10	Vertical
2	5101.8841	49.22	31.64	-47.07	-61.47	-25.00	36.47	Vertical
3	7653.0000	43.23	36.34	-44.31	-60.00	-25.00	35.00	Vertical
4	10204.4882	46.75	38.65	-41.20	-51.06	-25.00	26.06	Vertical
5	12755.0000	37.96	39.72	-38.54	-56.12	-25.00	31.12	Vertical
6	15306.0000	36.07	40.56	-36.57	-55.20	-25.00	30.20	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	-1.70	-0.000671	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-2.20	-0.000868	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-1.90	-0.000750	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-2.00	-0.000789	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-1.30	-0.000513	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	-0.90	-0.000355	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-1.40	-0.000552	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	0.60	0.000237	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-2.90	-0.001144	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-0.50	-0.000197	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-3.10	-0.001223	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	-1.20	-0.000473	PASS

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