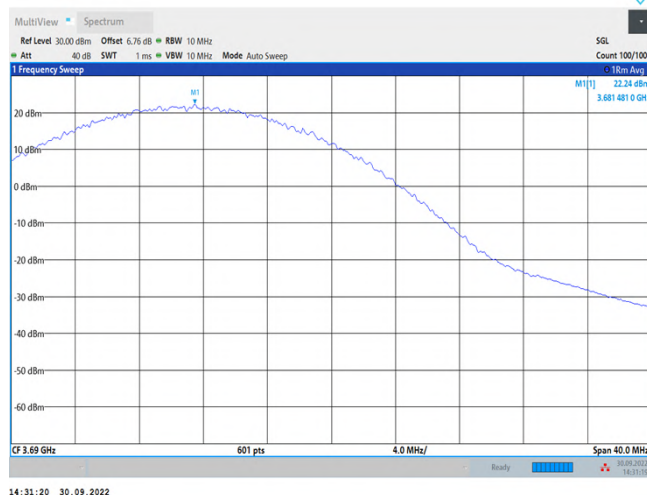
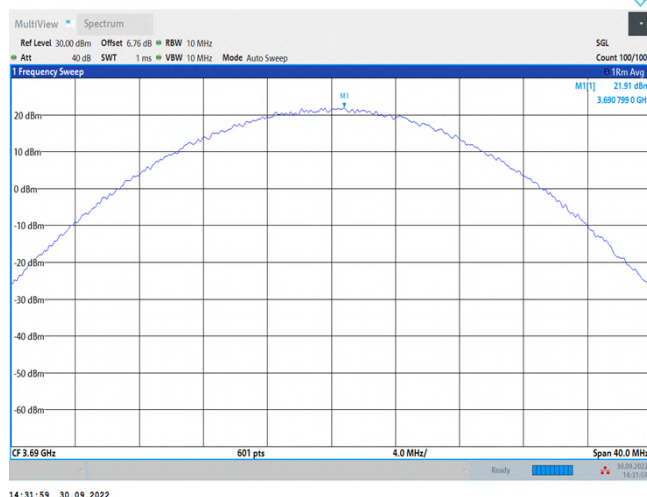


Band48-20MHz-16QAM-56640-1RB#0



Band48-20MHz-16QAM-56640-1RB#49



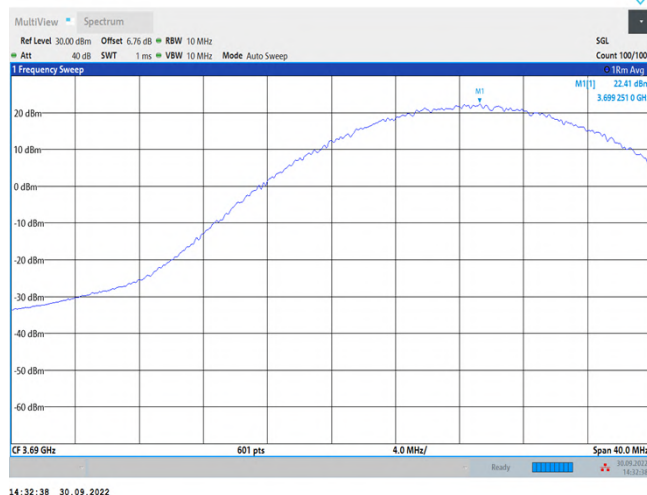
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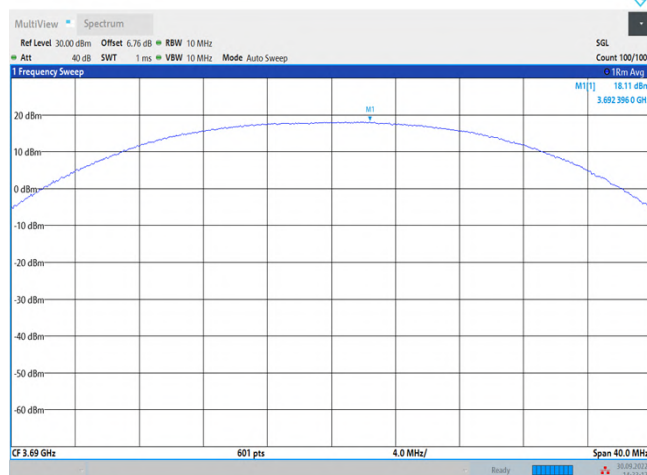
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Band48-20MHz-16QAM-56640-1RB#99



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Band48-20MHz-16QAM-56640-100RB#0



14:33:18 30.09.2022



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band48	20MHz	QPSK	55340	100RB#0	7.48	13	PASS
Band48	20MHz	QPSK	55990	100RB#0	7.28	13	PASS
Band48	20MHz	QPSK	56640	100RB#0	6.76	13	PASS
Band48	20MHz	16QAM	55340	100RB#0	8.26	13	PASS
Band48	20MHz	16QAM	55990	100RB#0	7.90	13	PASS
Band48	20MHz	16QAM	56640	100RB#0	7.42	13	PASS



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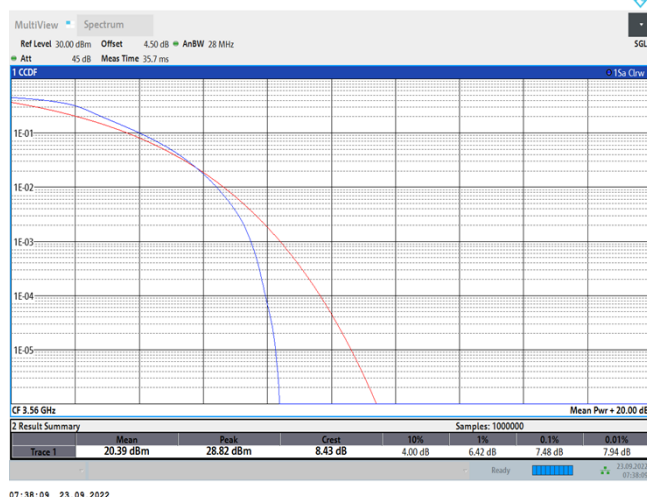
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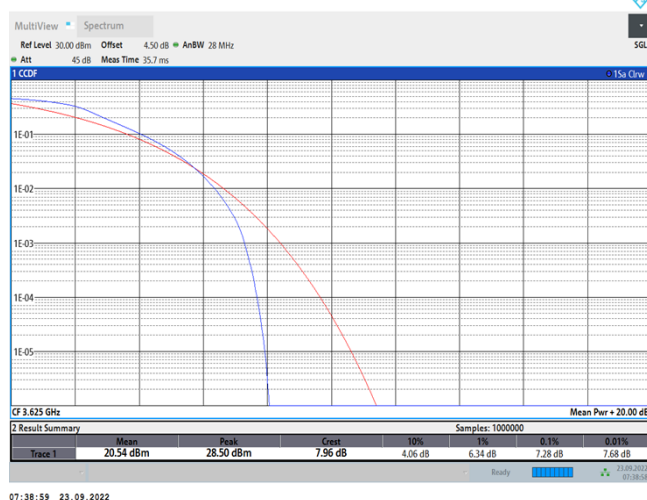
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Test Graphs

Band48-20MHz-QPSK-55340-100RB#0



Band48-20MHz-QPSK-55990-100RB#0



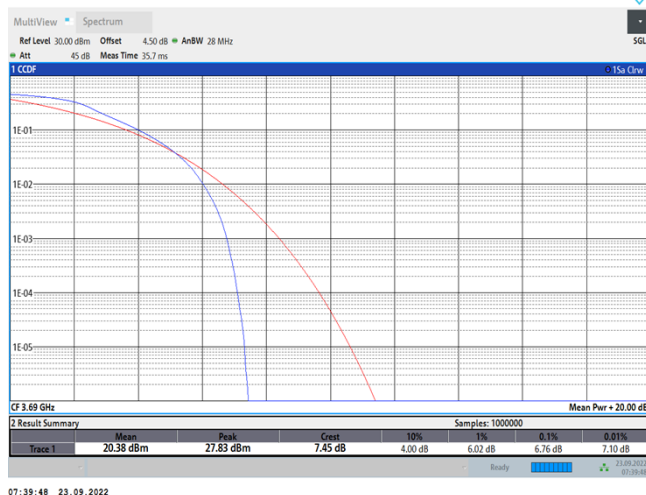
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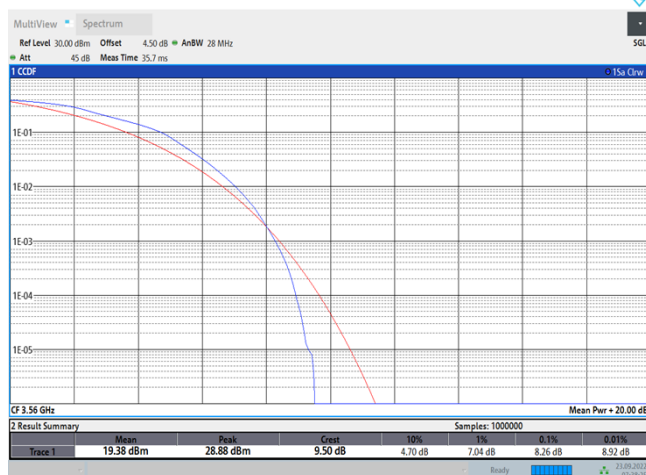
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Band48-20MHz-QPSK-56640-100RB#0



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Band48-20MHz-16QAM-55340-100RB#0



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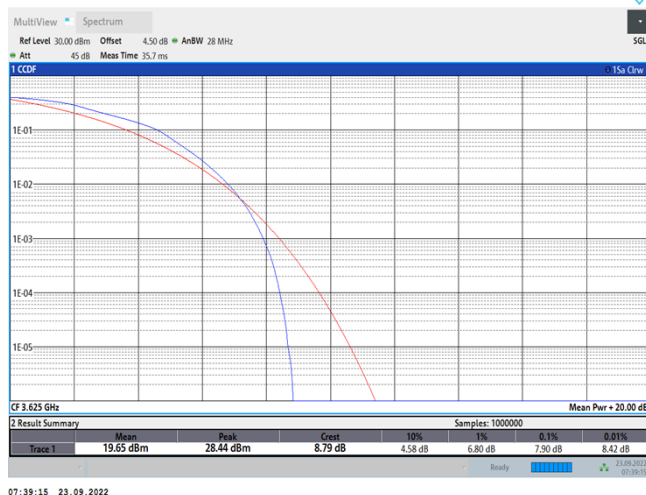
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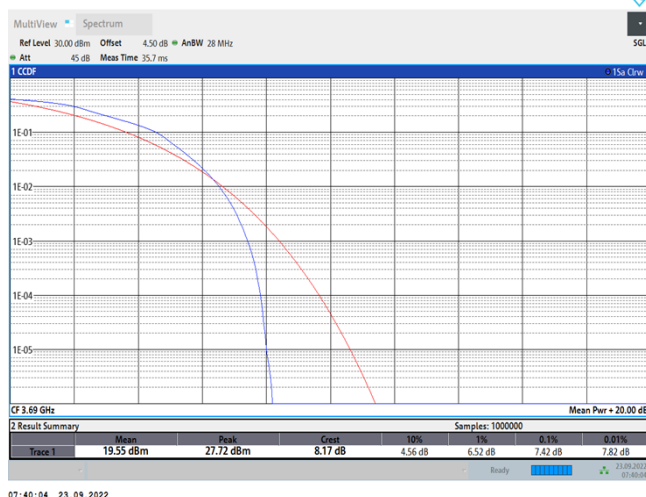
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Band48-20MHz-16QAM-55990-100RB#0



Band48-20MHz-16QAM-56640-100RB#0



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band48	5MHz	QPSK	55265	25RB#0	4.5	4.99	PASS
Band48	5MHz	QPSK	55990	25RB#0	4.497	4.97	PASS
Band48	5MHz	QPSK	56715	25RB#0	4.502	4.97	PASS
Band48	5MHz	16QAM	55265	25RB#0	4.504	5.07	PASS
Band48	5MHz	16QAM	55990	25RB#0	4.502	5.08	PASS
Band48	5MHz	16QAM	56715	25RB#0	4.502	5.10	PASS
Band48	10MHz	QPSK	55290	50RB#0	8.992	9.93	PASS
Band48	10MHz	QPSK	55990	50RB#0	9.008	9.90	PASS
Band48	10MHz	QPSK	56690	50RB#0	9.006	9.97	PASS
Band48	10MHz	16QAM	55290	50RB#0	8.969	9.83	PASS
Band48	10MHz	16QAM	55990	50RB#0	8.967	9.77	PASS
Band48	10MHz	16QAM	56690	50RB#0	8.963	9.90	PASS
Band48	15MHz	QPSK	55315	75RB#0	13.5	14.80	PASS
Band48	15MHz	QPSK	55990	75RB#0	13.478	14.75	PASS
Band48	15MHz	QPSK	56665	75RB#0	13.479	14.80	PASS
Band48	15MHz	16QAM	55315	75RB#0	13.462	14.95	PASS
Band48	15MHz	16QAM	55990	75RB#0	13.465	14.75	PASS
Band48	15MHz	16QAM	56665	75RB#0	13.462	14.85	PASS
Band48	20MHz	QPSK	55340	100RB#0	18.024	19.80	PASS
Band48	20MHz	QPSK	55990	100RB#0	18.027	19.73	PASS
Band48	20MHz	QPSK	56640	100RB#0	18.049	19.80	PASS
Band48	20MHz	16QAM	55340	100RB#0	18.001	19.67	PASS
Band48	20MHz	16QAM	55990	100RB#0	17.969	19.67	PASS
Band48	20MHz	16QAM	56640	100RB#0	17.999	19.73	PASS

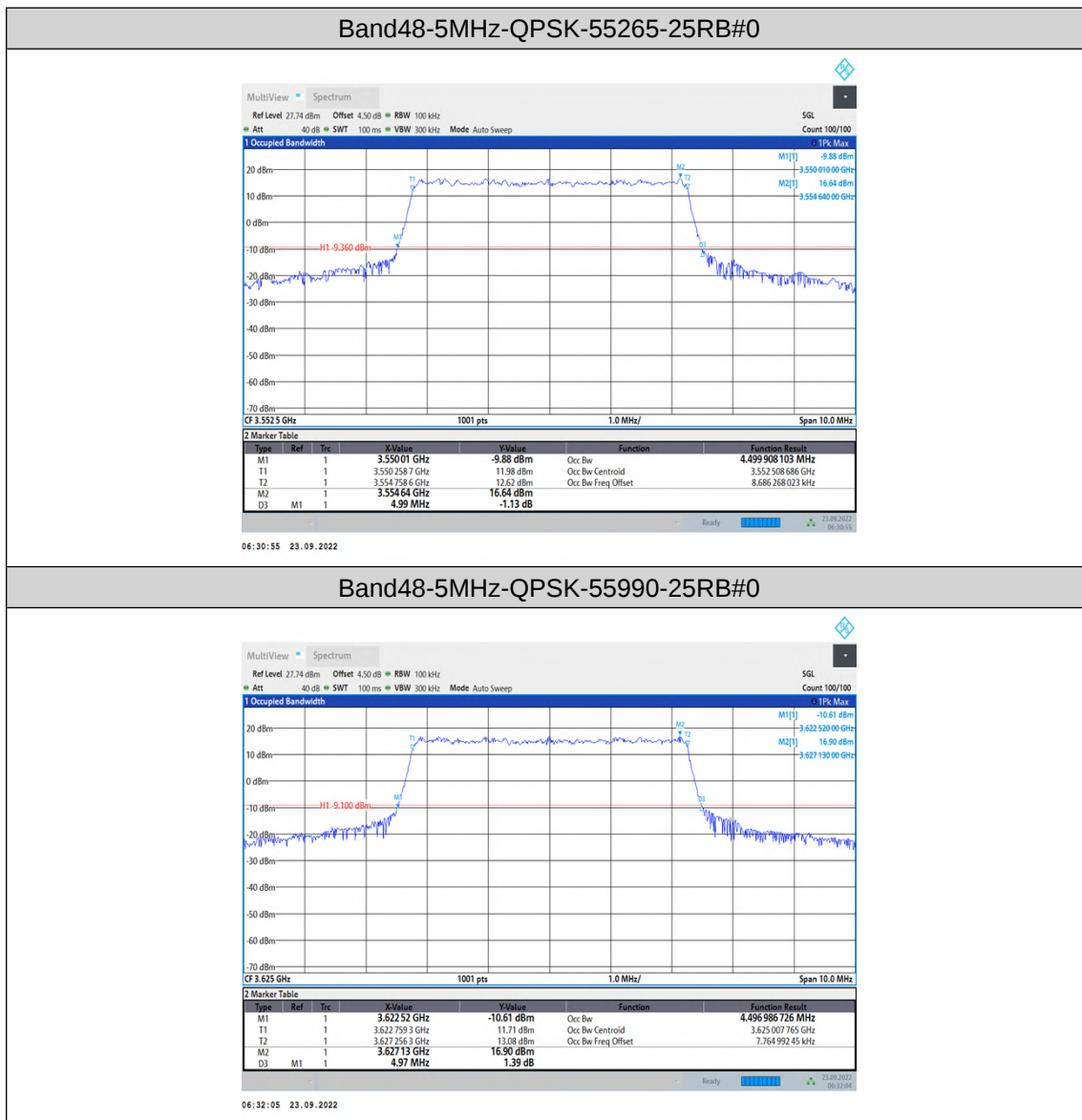


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Test Graphs



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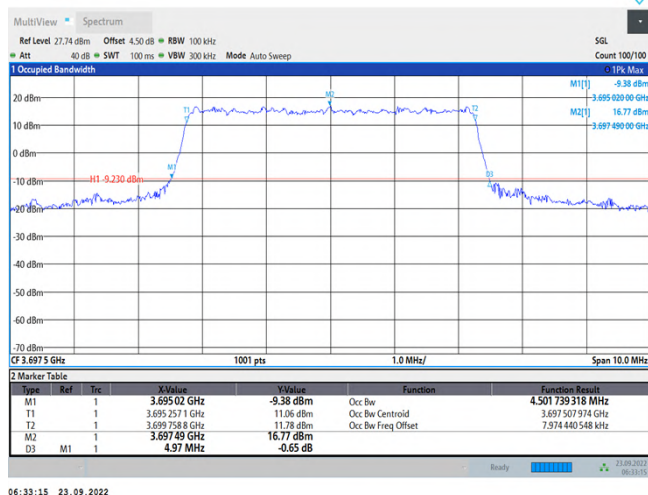
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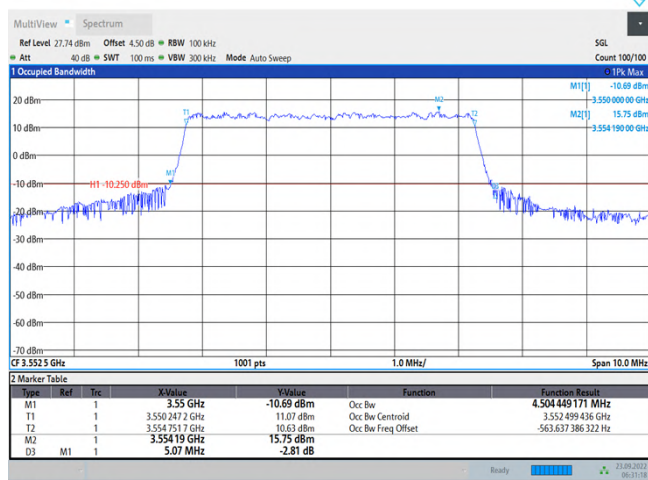
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Band48-5MHz-QPSK-56715-25RB#0



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Band48-5MHz-16QAM-55265-25RB#0



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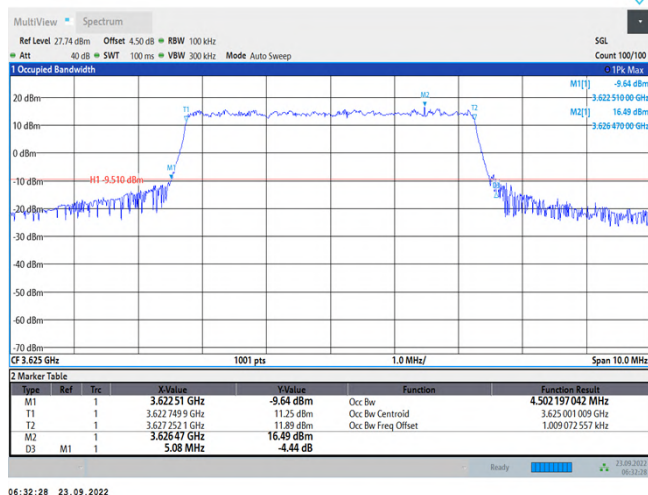
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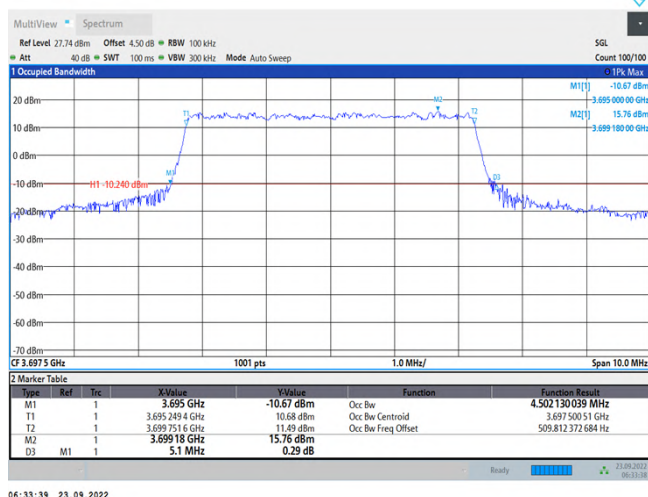
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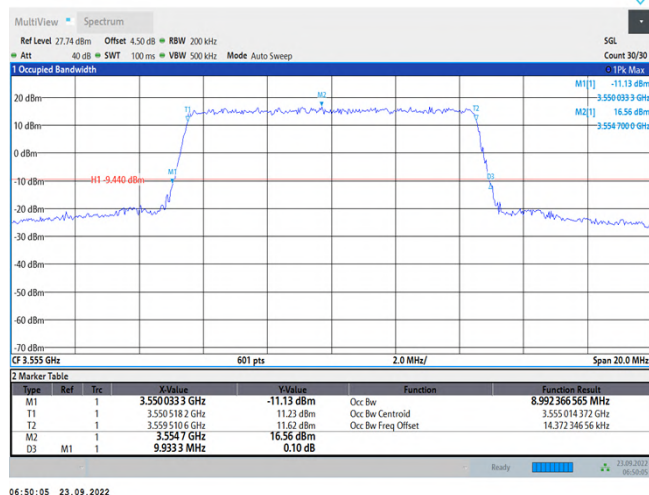
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Band48-10MHz-QPSK-55290-50RB#0



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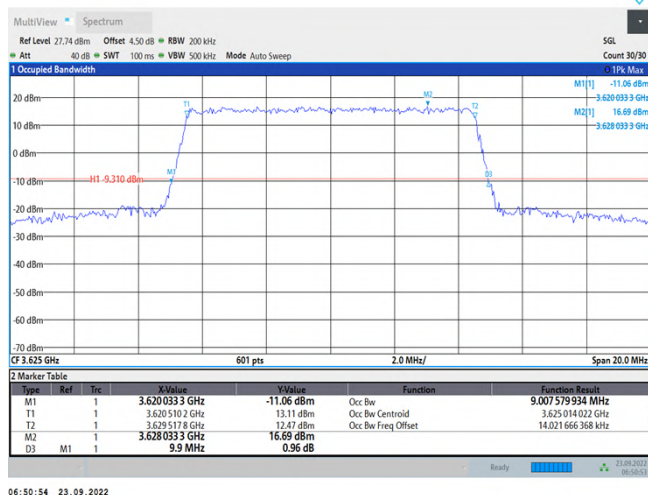
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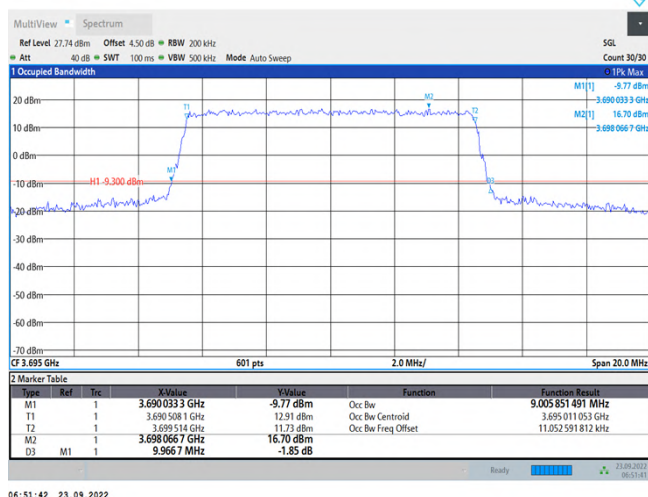
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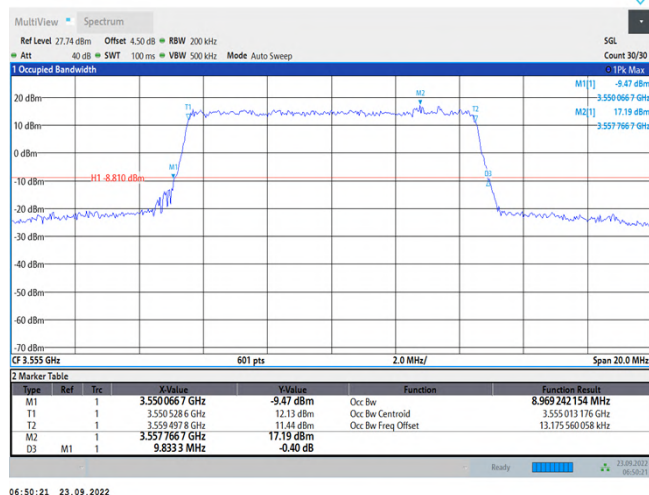
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Band48-10MHz-16QAM-55290-50RB#0



Band48-10MHz-16QAM-55990-50RB#0



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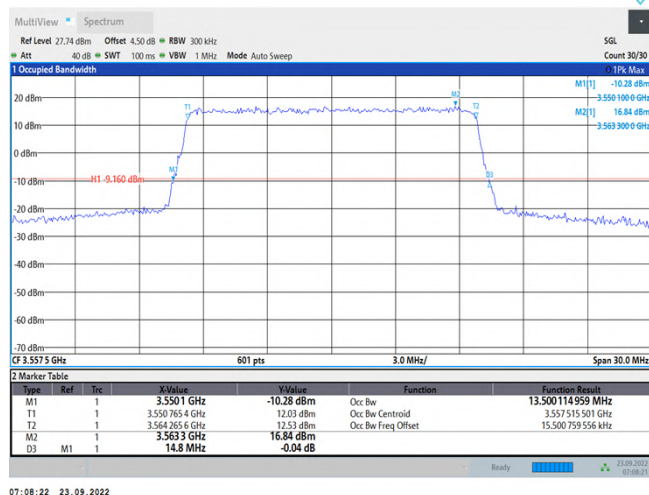
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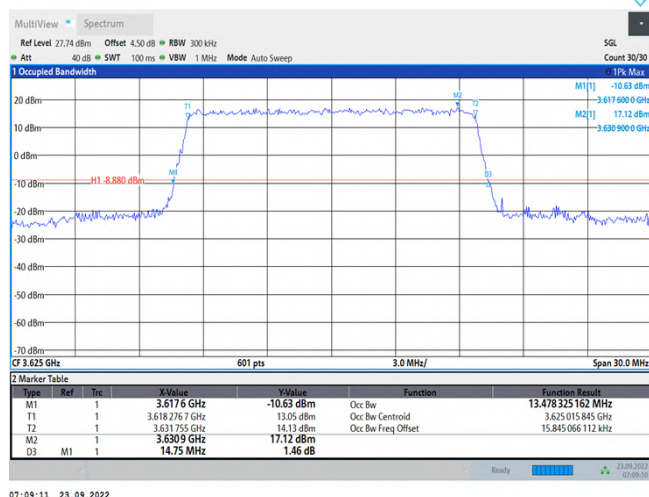
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Band48-15MHz-QPSK-55315-75RB#0



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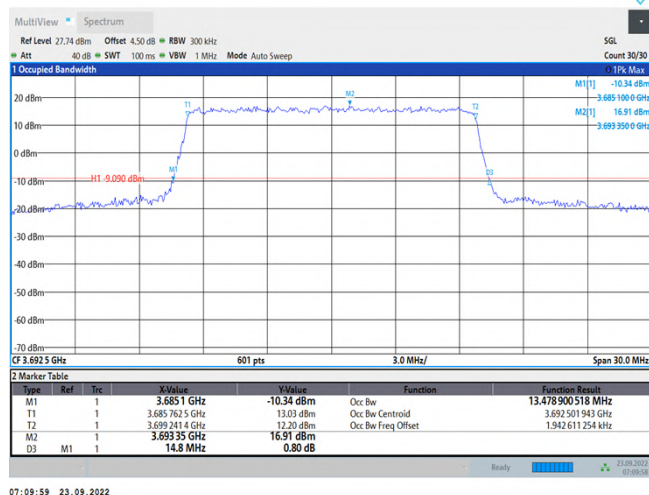
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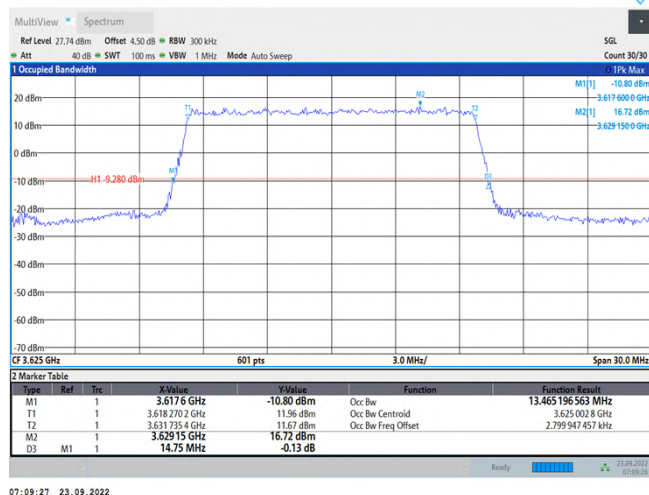
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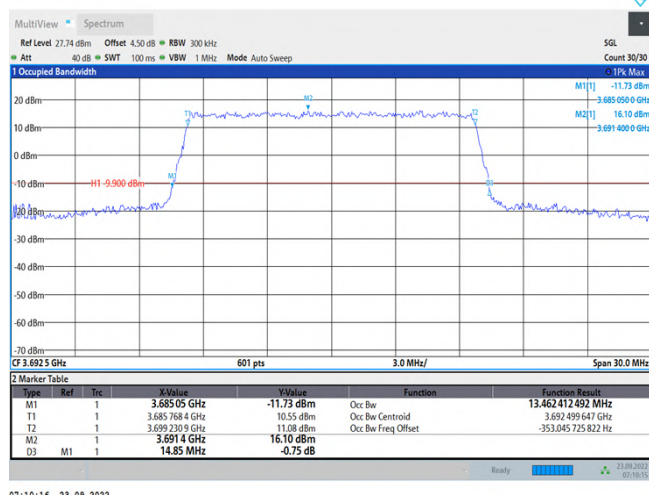
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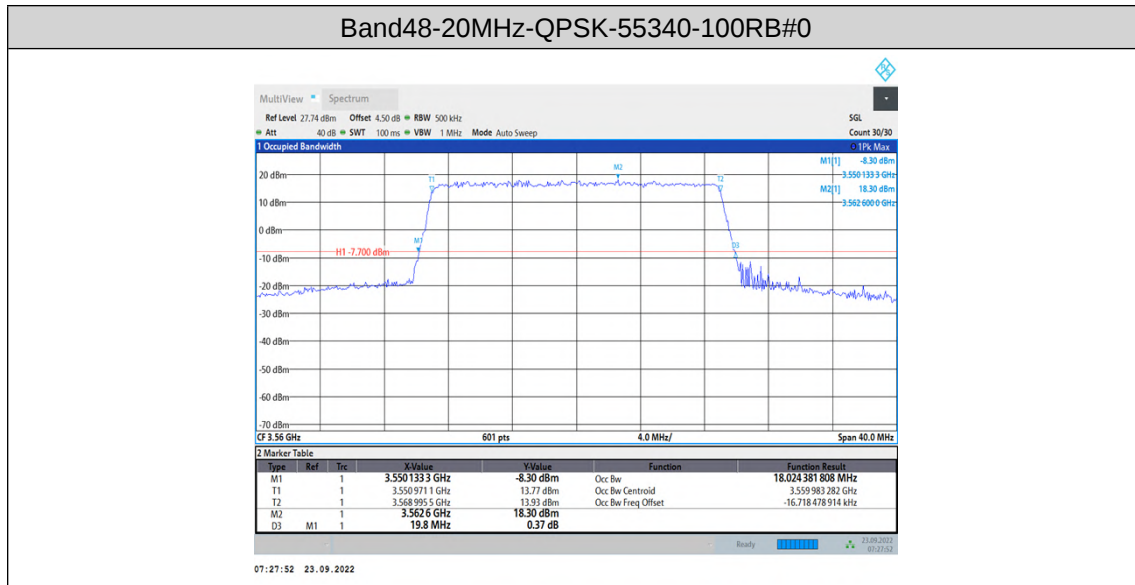


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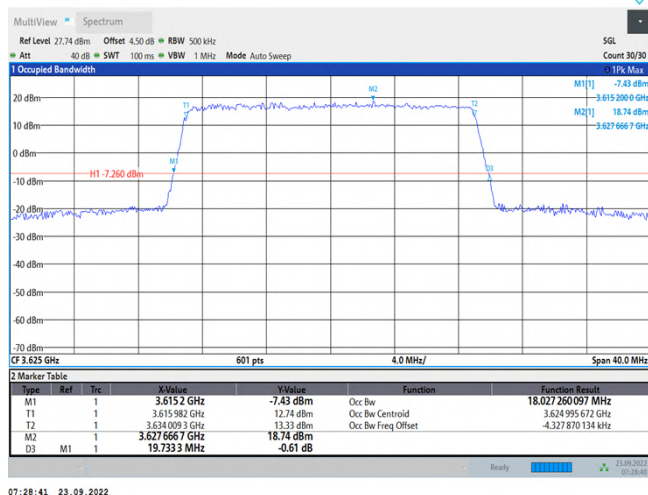


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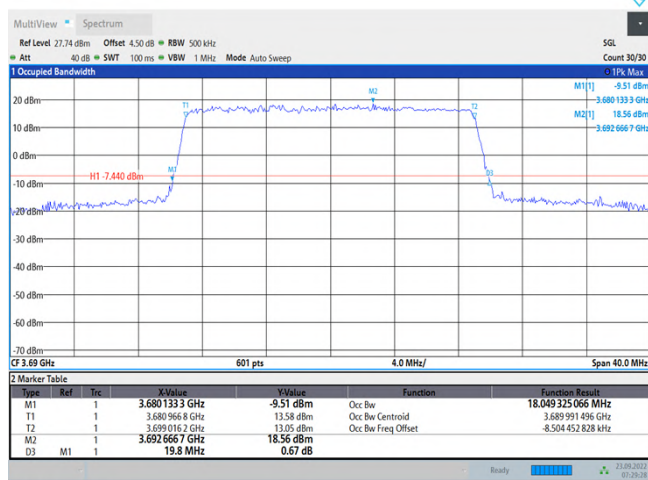
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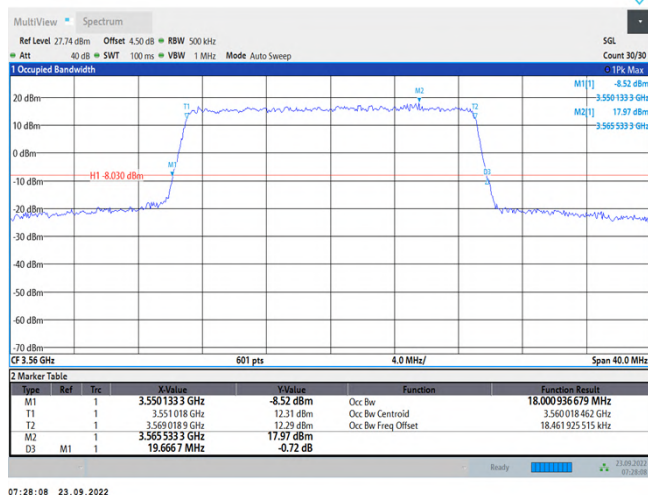
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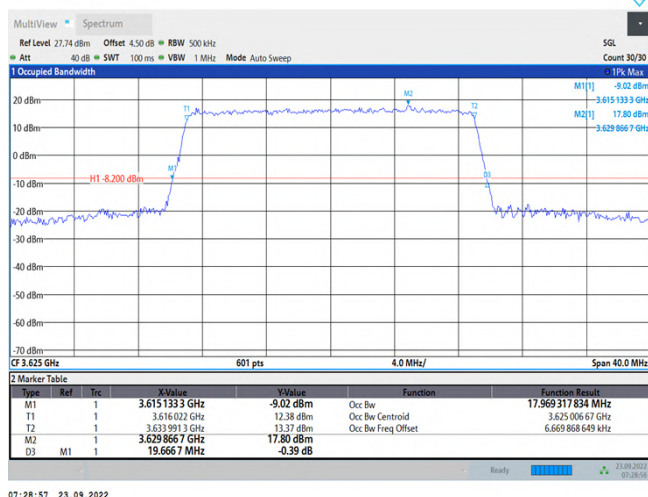
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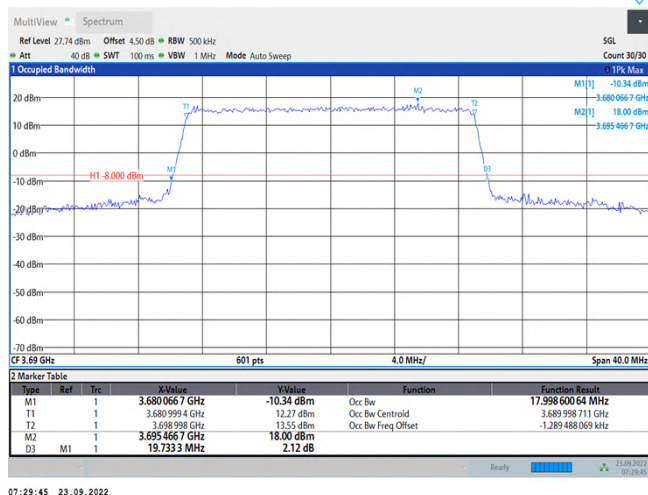
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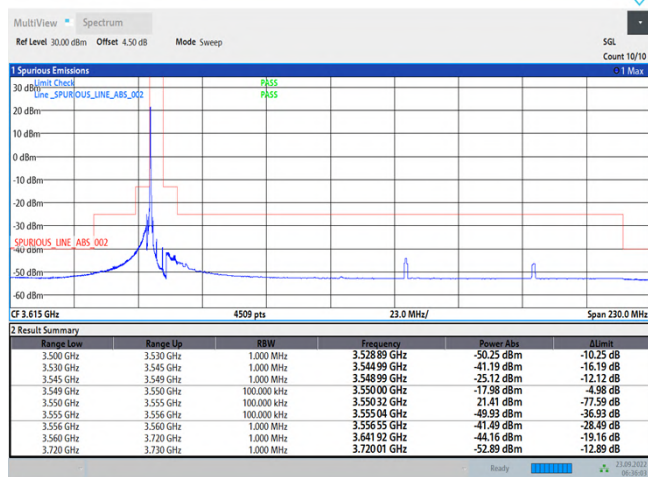


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Band Edge

Test Graphs

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Band48-5MHz-QPSK-55265-25RB#0

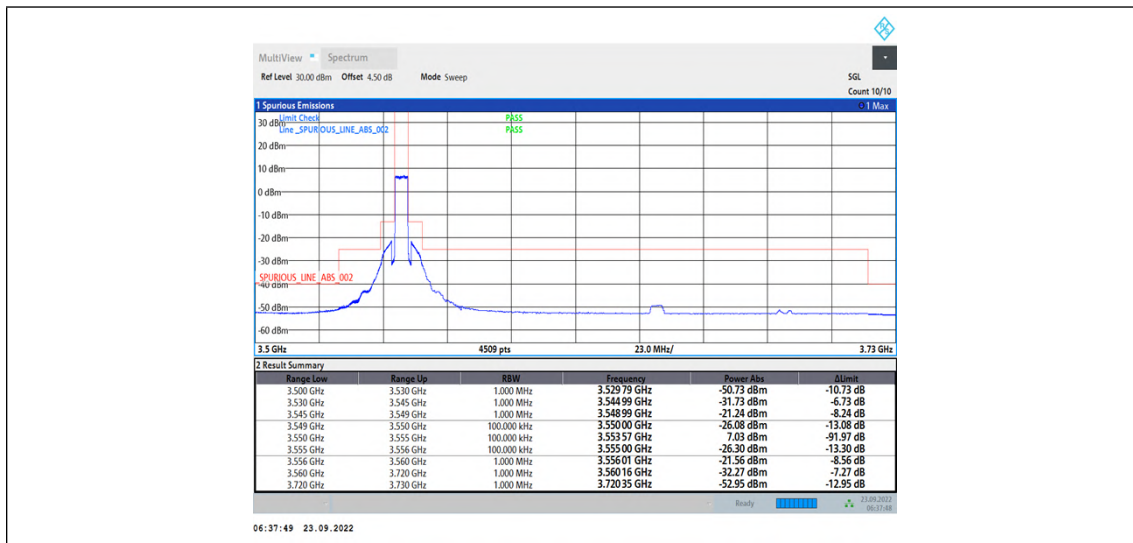


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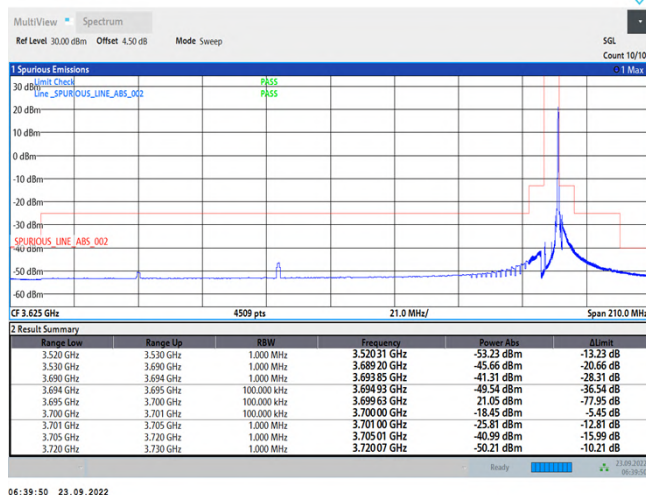
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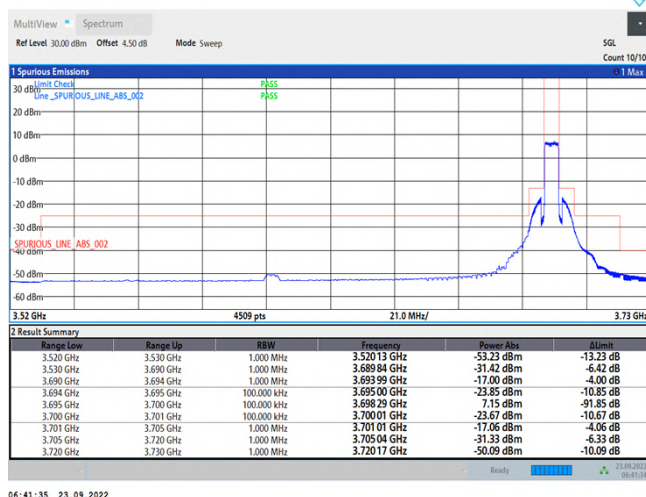
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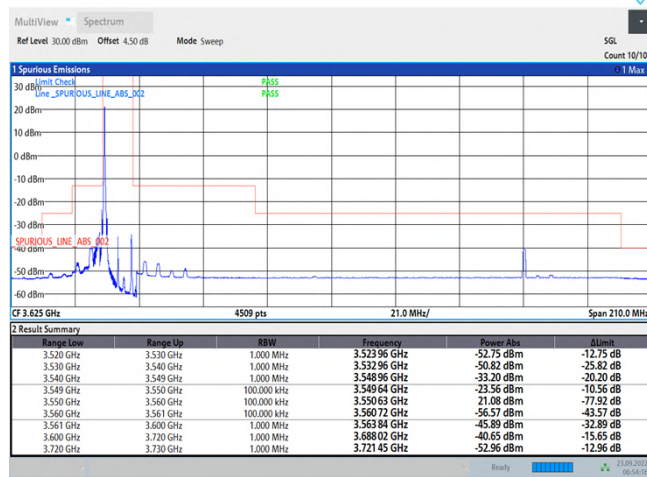
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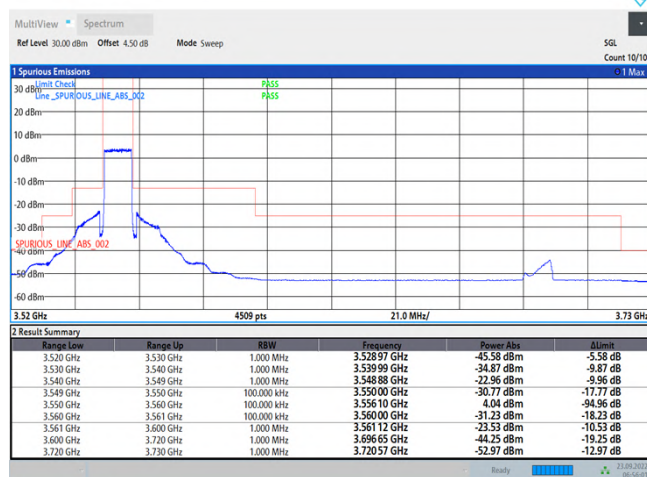
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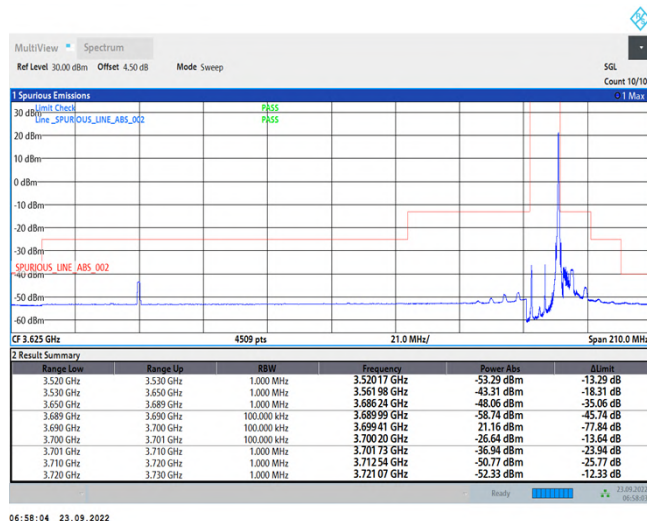
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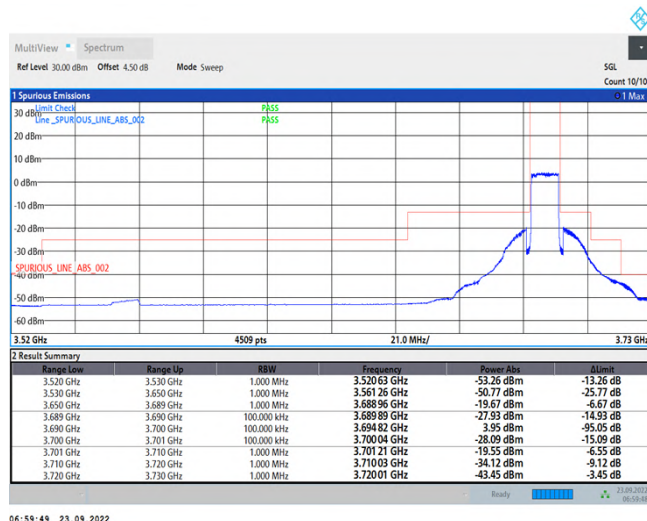
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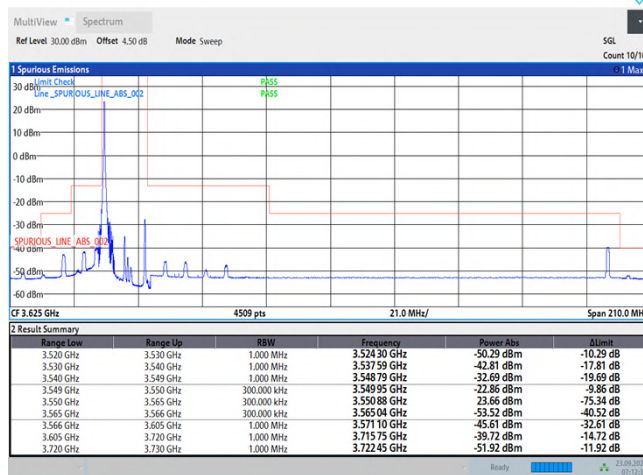
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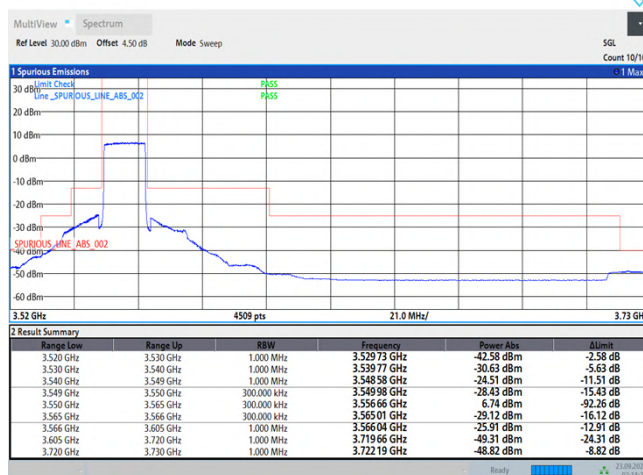
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Band48-15MHz-QPSK-55315-1RB#0



07:12:34 23.09.2022

Band48-15MHz-QPSK-55315-75RB#0



07:14:24 23.09.2022



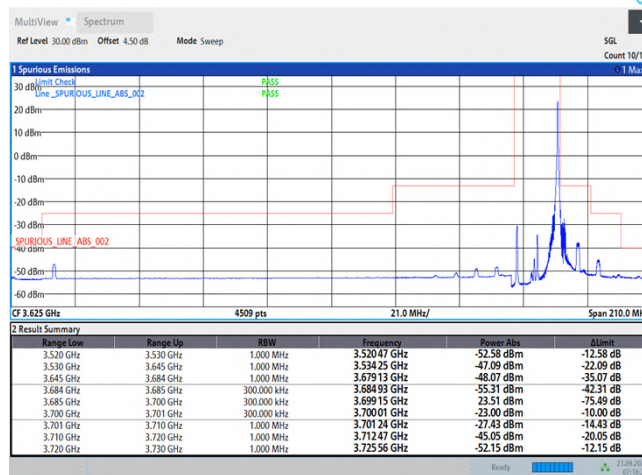
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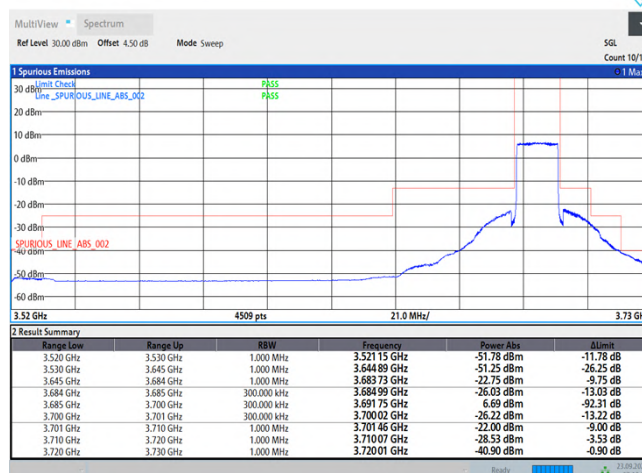
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Band48-15MHz-QPSK-56665-1RB#74



07:16:26 23.09.2022

Band48-15MHz-QPSK-56665-75RB#0



07:18:18 23.09.2022



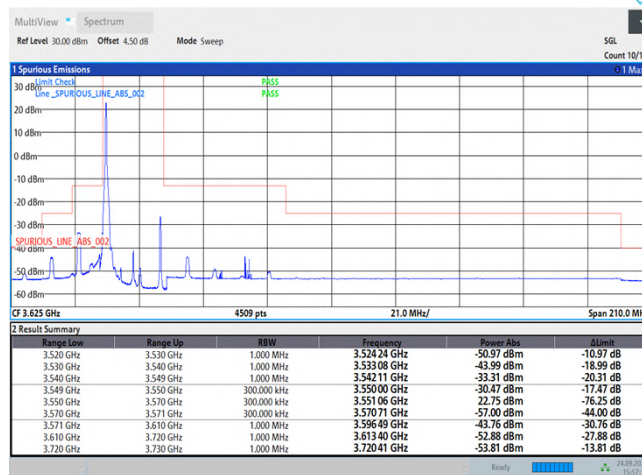
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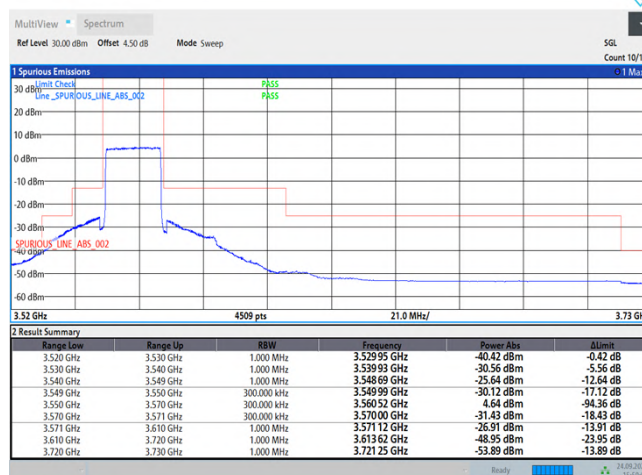
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Band48-20MHz-QPSK-55340-1RB#0



15:57:20 24.09.2022

Band48-20MHz-QPSK-55340-100RB#0



15:59:05 24.09.2022



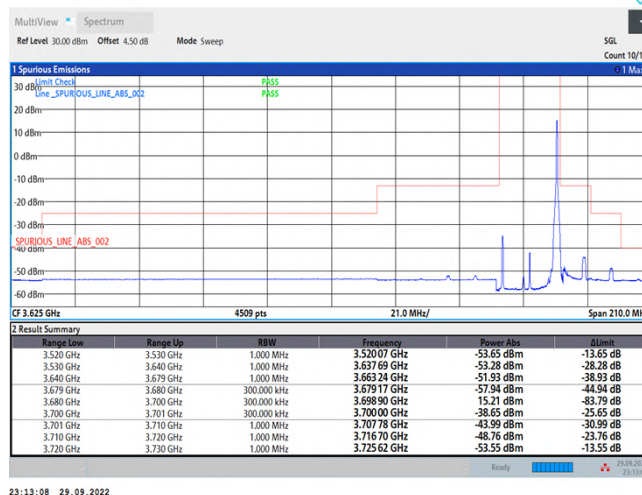
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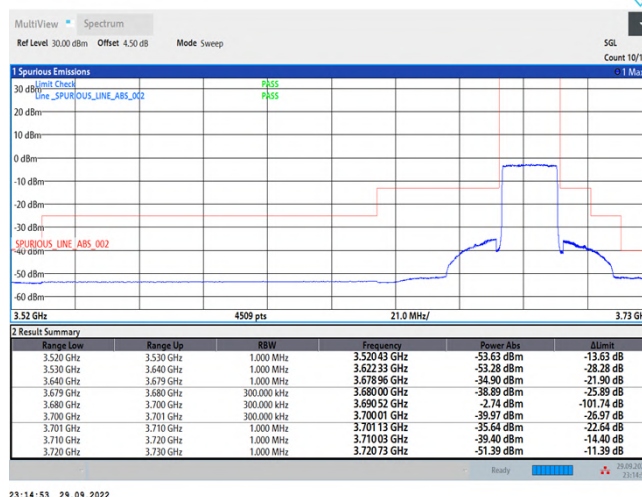
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Band48-20MHz-QPSK-56640-1RB#99



Band48-20MHz-QPSK-56640-100RB#0



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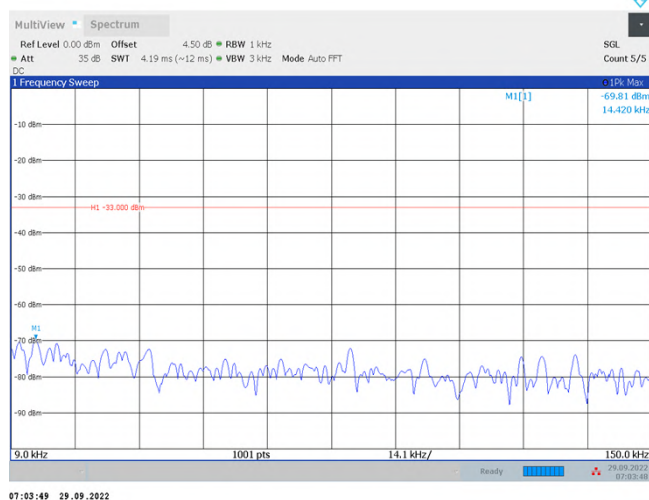
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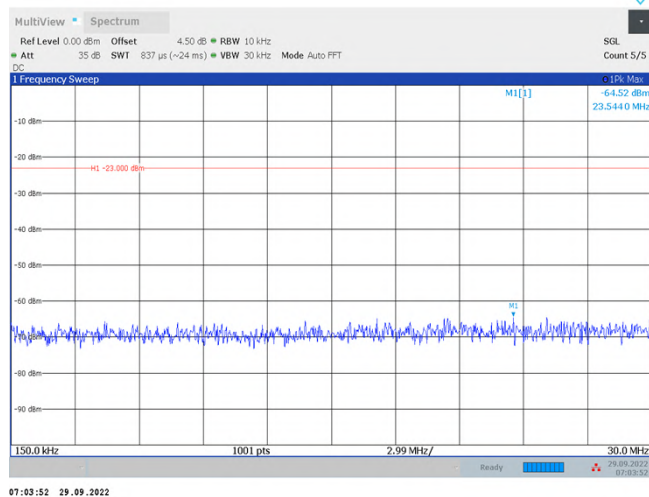
Conducted Spurious Emission

Test Graphs

Band48-20MHz-QPSK-55340-1RB#0-Range1:0.009~0.15MHz



Band48-20MHz-QPSK-55340-1RB#0-Range2:0.15~30MHz



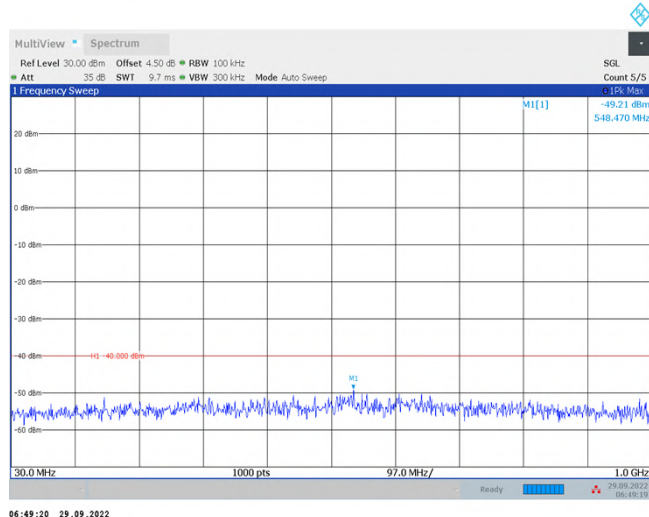
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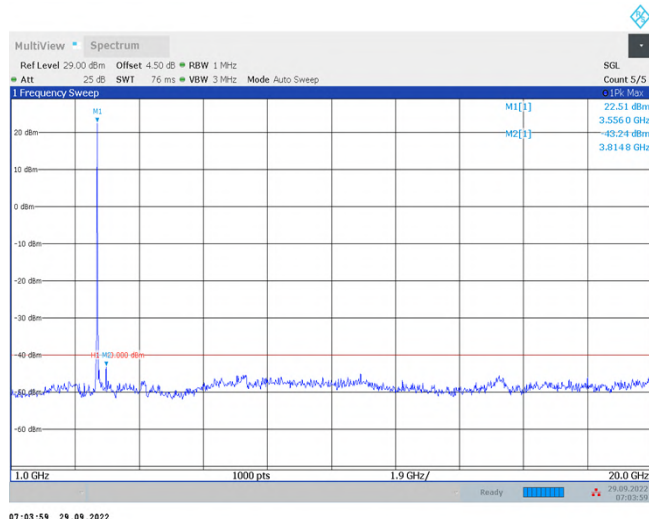
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Band48-20MHz-QPSK-55340-1RB#0-Range5:30~1000MHz



Band48-20MHz-QPSK-55340-1RB#0-Range4:1000~20000MHz



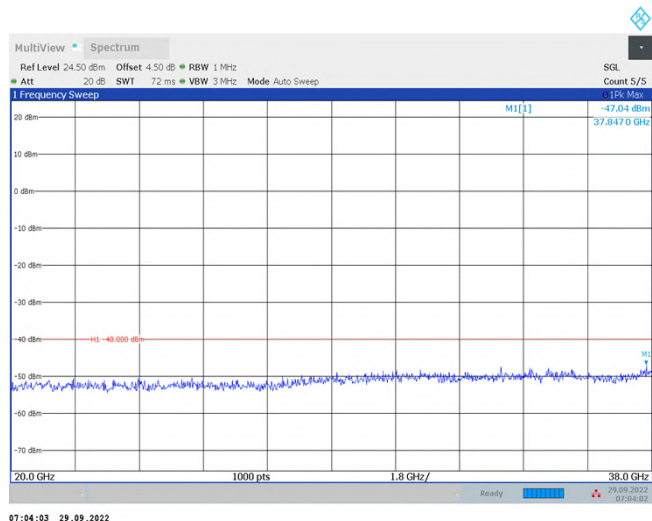
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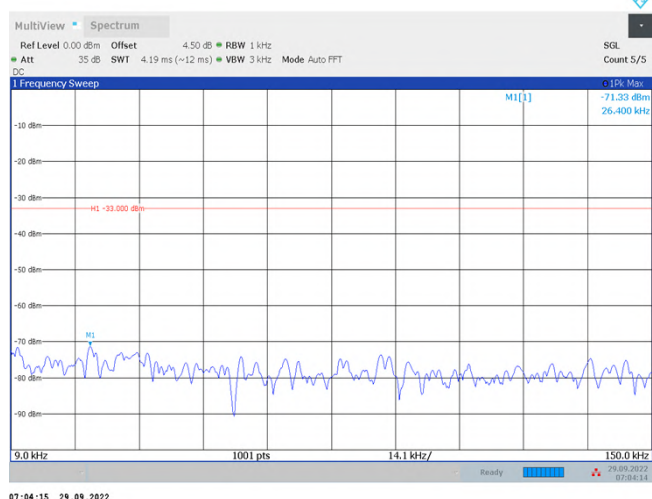
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Band48-20MHz-QPSK-55340-1RB#0-Range5:20000~38000MHz



Band48-20MHz-QPSK-55990-1RB#0-Range1:0.009~0.15MHz



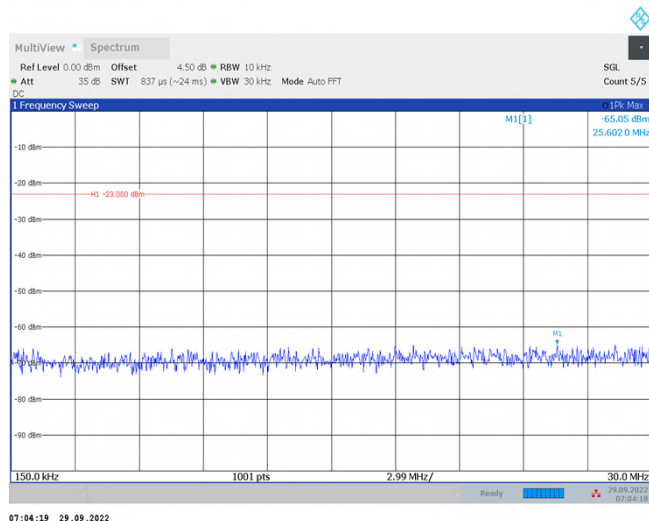
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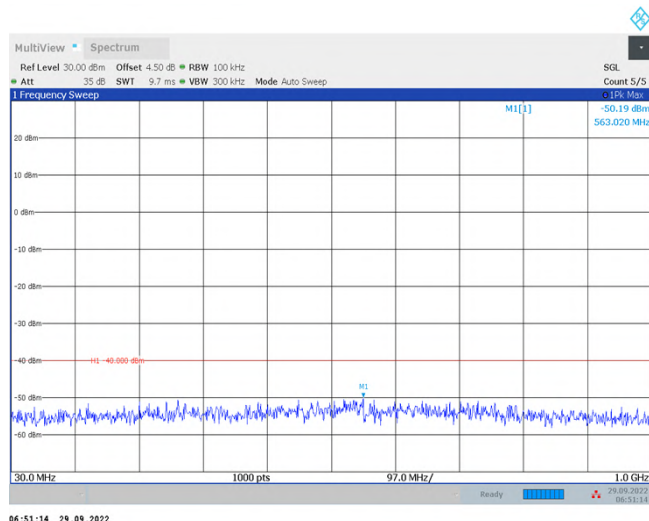
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Band48-20MHz-QPSK-55990-1RB#0-Range5:30~1000MHz



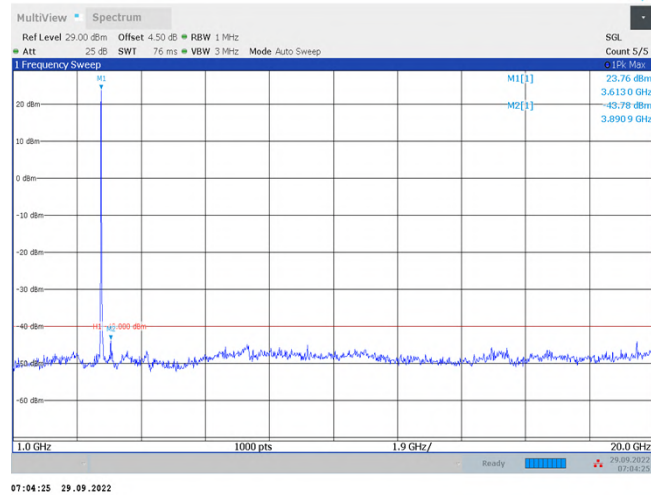
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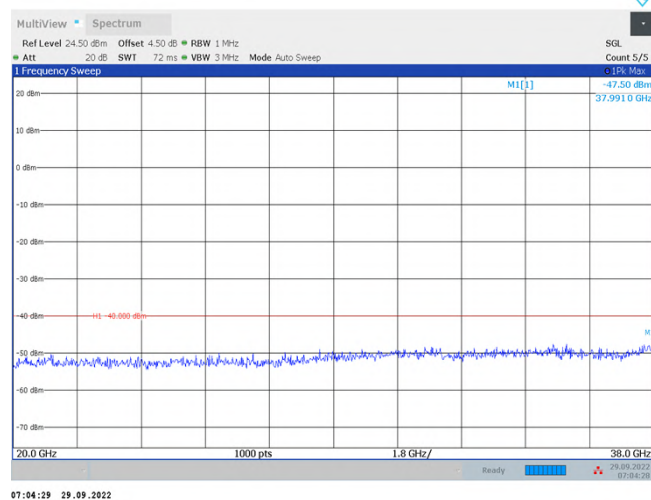
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Band48-20MHz-QPSK-55990-1RB#0-Range4:1000~20000MHz



Band48-20MHz-QPSK-55990-1RB#0-Range5:20000~38000MHz



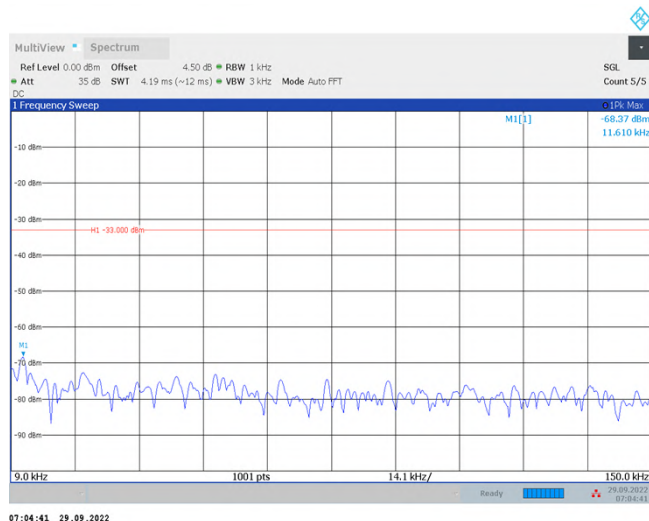
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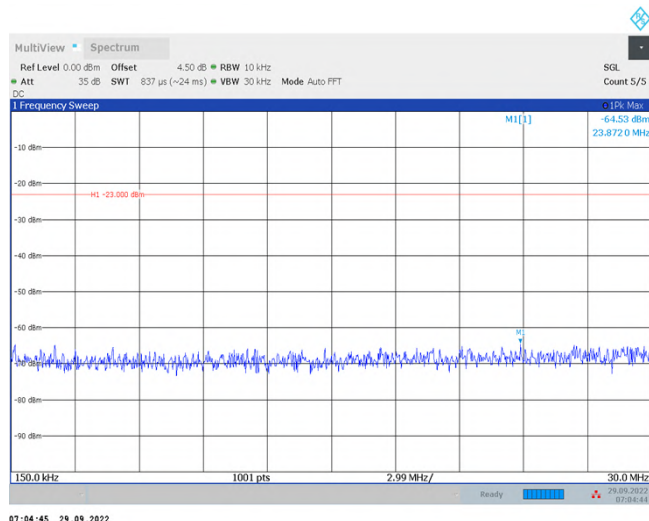
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Band48-20MHz-QPSK-56640-1RB#0-Range1:0.009~0.15MHz



Band48-20MHz-QPSK-56640-1RB#0-Range2:0.15~30MHz



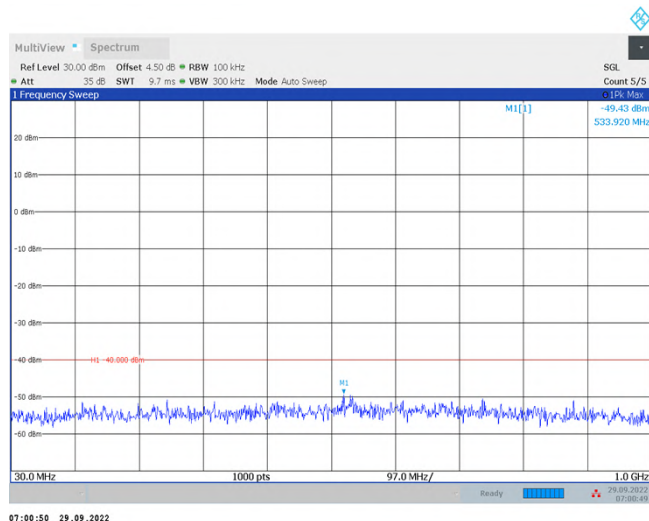
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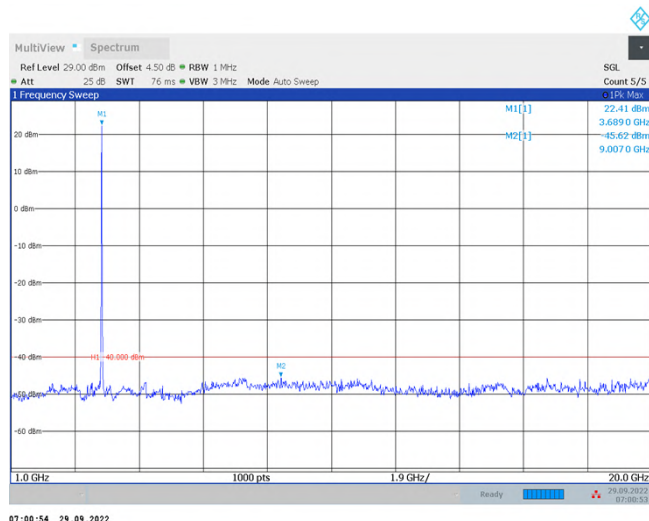
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Band48-20MHz-QPSK-56640-1RB#0-Range5:30~1000MHz



Band48-20MHz-QPSK-56640-1RB#0-Range6:1000~20000MHz



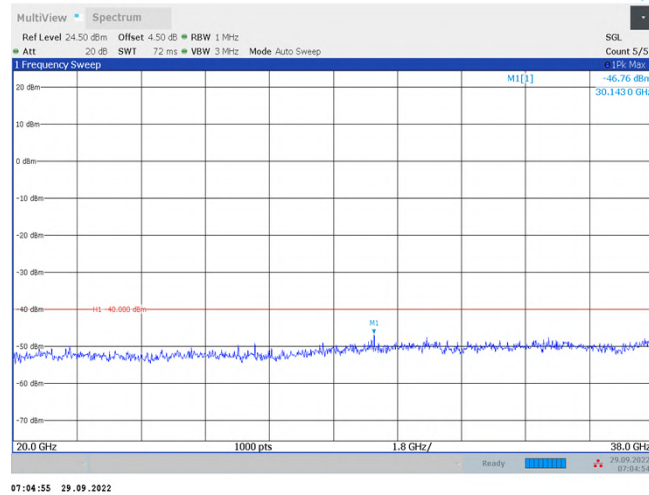
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Band48-20MHz-QPSK-56640-1RB#0-Range5:20000~38000MHz



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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band48	20MHz	QPSK	55990	100RB#0	VL	NT	-7.20	-0.001986	PASS
Band48	20MHz	QPSK	55990	100RB#0	VN	NT	-2.00	-0.000552	PASS
Band48	20MHz	QPSK	55990	100RB#0	VH	NT	-11.00	-0.003034	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band48	20MHz	QPSK	55990	100RB#0	NV	-30	-6.90	-0.001903	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	-20	-3.70	-0.001021	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	0	-4.40	-0.001214	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	10	-4.40	-0.001214	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	20	-5.00	-0.001379	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	30	-3.70	-0.001021	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	40	-7.50	-0.002069	PASS
Band48	20MHz	QPSK	55990	100RB#0	NV	50	-3.80	-0.001048	PASS



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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band48	20MHz	QPSK	55740	100RB#0	PASS	PASS
Band48	20MHz	16QAM	55740	100RB#0	PASS	PASS



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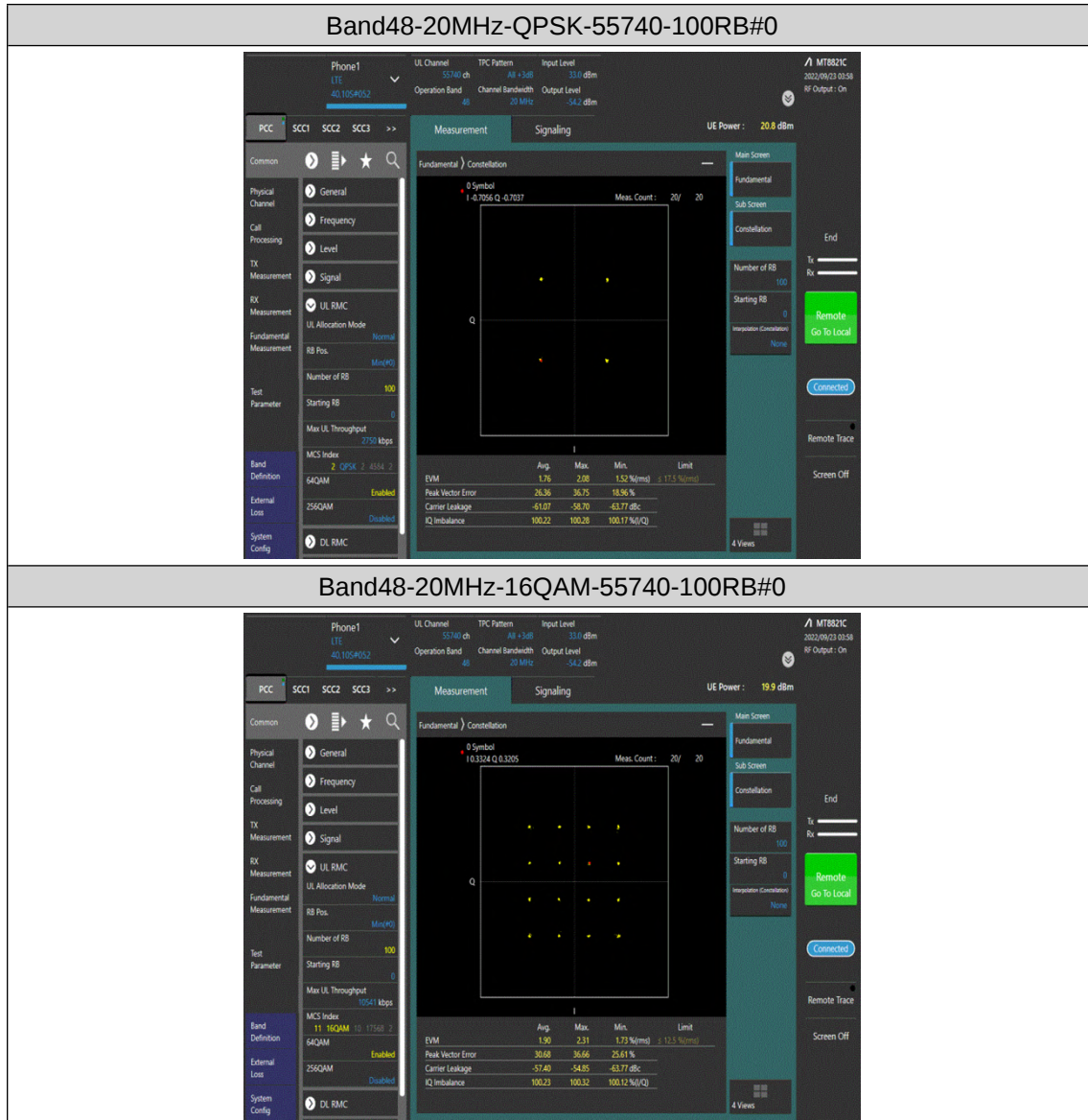
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Test Graphs



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