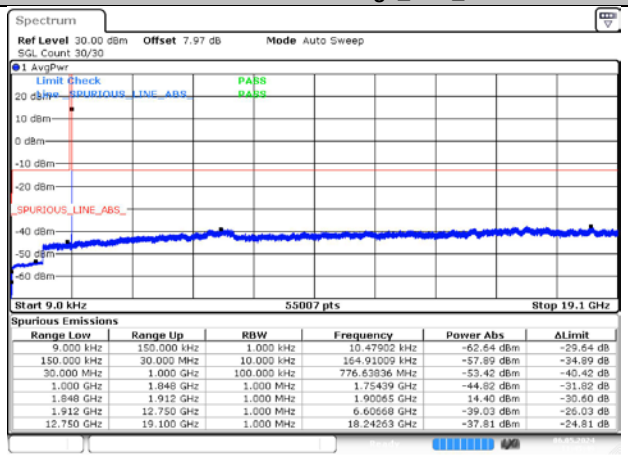
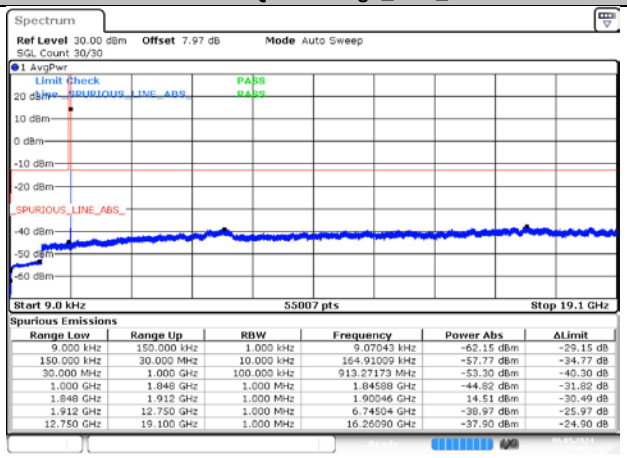
HCH / DFT-Pi2BPSK / Edge_1RB_Left



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	10.47902 kHz	-62.64 dBm	-29.64 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-57.89 dBm	-34.89 dB
30.000 MHz	1.000 GHz	100.000 kHz	776.63836 MHz	-53.42 dBm	-40.42 dB
1.000 GHz	1.848 GHz	1.000 MHz	1.75439 GHz	-44.82 dBm	-31.82 dB
1.848 GHz	1.912 GHz	1.000 MHz	1.90065 GHz	14.40 dBm	-30.60 dB
1.912 GHz	12.750 GHz	1.000 MHz	6.60668 GHz	-39.03 dBm	-26.03 dB
12.750 GHz	19.100 GHz	1.000 MHz	18.24263 GHz	-37.81 dBm	-24.81 dB

HCH / DFT-QPSK / Edge_1RB_Left

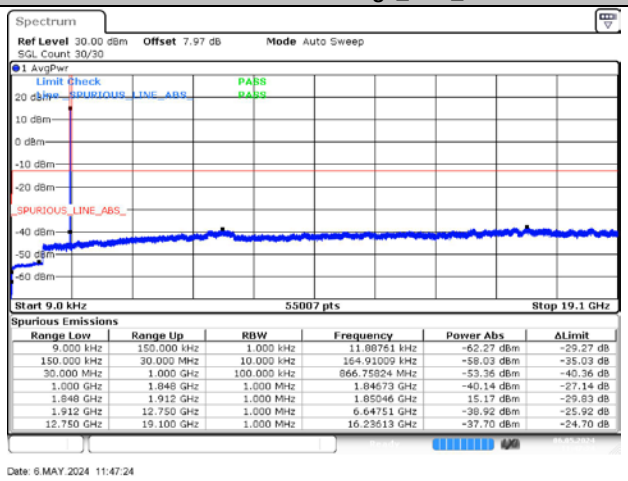


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	9.07043 kHz	-62.15 dBm	-29.15 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-57.77 dBm	-34.77 dB
30.000 MHz	1.000 GHz	100.000 kHz	913.27173 MHz	-53.30 dBm	-40.30 dB
1.000 GHz	1.848 GHz	1.000 MHz	1.84588 GHz	-44.82 dBm	-31.82 dB
1.848 GHz	1.912 GHz	1.000 MHz	1.90046 GHz	14.51 dBm	-30.49 dB
1.912 GHz	12.750 GHz	1.000 MHz	6.74504 GHz	-38.97 dBm	-25.97 dB
12.750 GHz	19.100 GHz	1.000 MHz	16.26090 GHz	-37.90 dBm	-24.90 dB

n2A / 15KHz / 15MHz

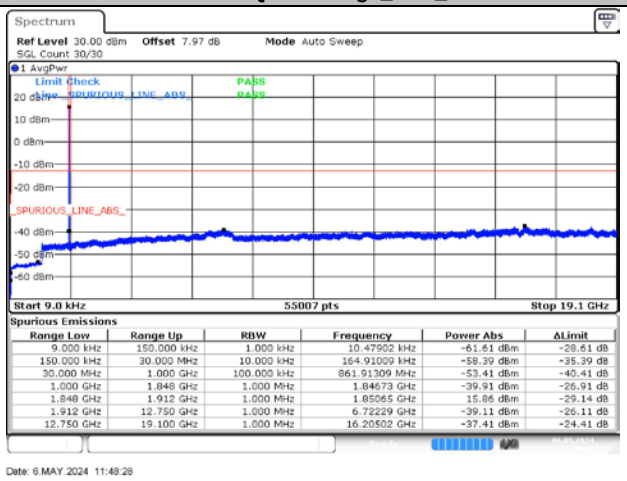
LCH / DFT-Pi2BPSK / Edge_1RB_Left



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	11.88761 kHz	-62.27 dBm	-29.27 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-58.03 dBm	-35.03 dB
30.000 MHz	1.000 GHz	100.000 kHz	866.75824 MHz	-53.36 dBm	-40.36 dB
1.000 GHz	1.848 GHz	1.000 MHz	1.84673 GHz	-40.14 dBm	-27.14 dB
1.848 GHz	1.912 GHz	1.000 MHz	1.85046 GHz	15.17 dBm	-29.83 dB
1.912 GHz	12.750 GHz	1.000 MHz	6.64751 GHz	-38.92 dBm	-25.92 dB
12.750 GHz	19.100 GHz	1.000 MHz	16.23613 GHz	-37.70 dBm	-24.70 dB

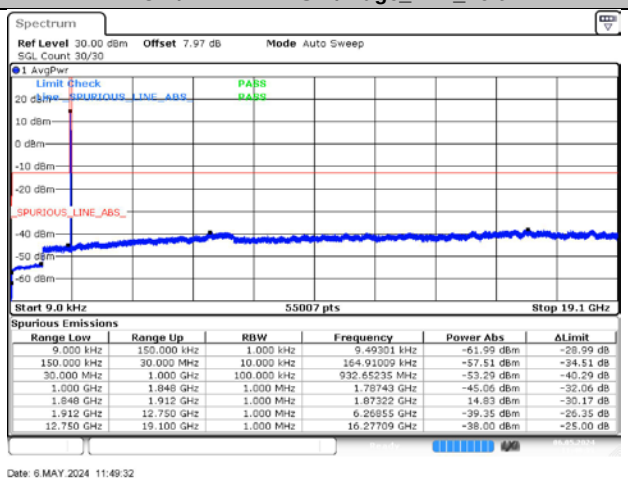
LCH / DFT-QPSK / Edge_1RB_Left



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	10.47902 kHz	-61.61 dBm	-28.61 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-58.39 dBm	-35.39 dB
30.000 MHz	1.000 GHz	100.000 kHz	861.91309 MHz	-53.41 dBm	-40.41 dB
1.000 GHz	1.848 GHz	1.000 MHz	1.84673 GHz	-39.91 dBm	-26.91 dB
1.848 GHz	1.912 GHz	1.000 MHz	1.85065 GHz	15.86 dBm	-29.14 dB
1.912 GHz	12.750 GHz	1.000 MHz	6.72229 GHz	-39.11 dBm	-26.11 dB
12.750 GHz	19.100 GHz	1.000 MHz	16.20502 GHz	-37.41 dBm	-24.41 dB

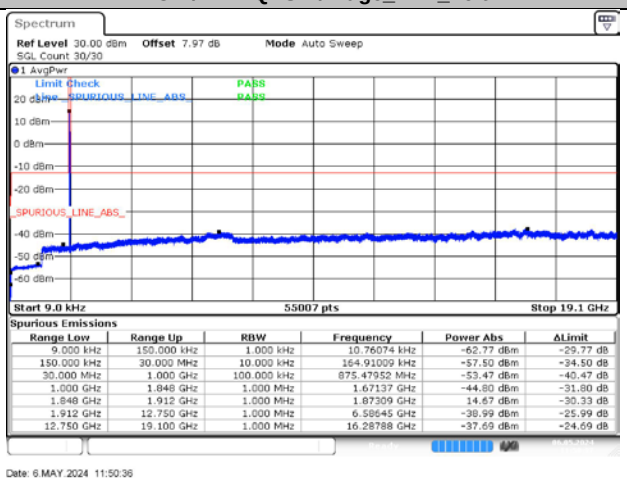
MCH / DFT-Pi2BPSK / Edge_1RB_Left



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	9.49301 kHz	-61.99 dBm	-28.99 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-57.51 dBm	-34.51 dB
30.000 MHz	1.000 GHz	100.000 kHz	932.65235 MHz	-53.29 dBm	-40.29 dB
1.000 GHz	1.848 GHz	1.000 MHz	1.78743 GHz	-45.06 dBm	-32.06 dB
1.848 GHz	1.912 GHz	1.000 MHz	1.87322 GHz	14.83 dBm	-30.17 dB
1.912 GHz	12.750 GHz	1.000 MHz	6.26855 GHz	-39.35 dBm	-26.35 dB
12.750 GHz	19.100 GHz	1.000 MHz	16.27709 GHz	-38.00 dBm	-25.00 dB

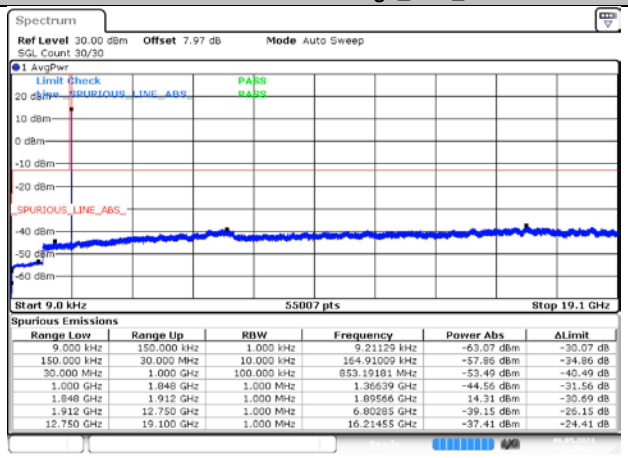
MCH / DFT-QPSK / Edge_1RB_Left



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	10.76074 kHz	-62.77 dBm	-29.77 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-57.50 dBm	-34.50 dB
30.000 MHz	1.000 GHz	100.000 kHz	875.47952 MHz	-53.47 dBm	-40.47 dB
1.000 GHz	1.848 GHz	1.000 MHz	1.67137 GHz	-44.80 dBm	-31.80 dB
1.848 GHz	1.912 GHz	1.000 MHz	1.87309 GHz	14.67 dBm	-30.33 dB
1.912 GHz	12.750 GHz	1.000 MHz	6.58645 GHz	-38.99 dBm	-25.99 dB
12.750 GHz	19.100 GHz	1.000 MHz	16.28788 GHz	-37.69 dBm	-24.69 dB

HCH / DFT-Pi2BPSK / Edge_1RB_Left



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	9.21129 kHz	-63.07 dBm	-30.07 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-57.86 dBm	-34.86 dB
30.000 MHz	1.000 GHz	100.000 kHz	853.19181 MHz	-53.49 dBm	-40.49 dB
1.000 GHz	1.848 GHz	1.000 MHz	1.36639 GHz	-44.56 dBm	-31.56 dB
1.848 GHz	1.912 GHz	1.000 MHz	1.89566 GHz	14.31 dBm	-30.69 dB
1.912 GHz	12.750 GHz	1.000 MHz	6.80285 GHz	-39.15 dBm	-26.15 dB
12.750 GHz	19.100 GHz	1.000 MHz	16.21455 GHz	-37.41 dBm	-24.41 dB

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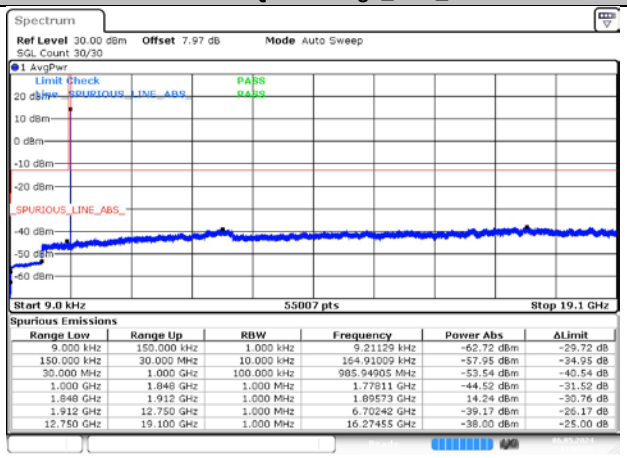
HCH / DFT-QPSK / Edge_1RB_Left



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	9.21129 kHz	-62.72 dBm	-29.72 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-57.95 dBm	-34.95 dB
30.000 MHz	1.000 GHz	100.000 kHz	985.94905 MHz	-53.54 dBm	-40.54 dB
1.000 GHz	1.848 GHz	1.000 MHz	1.77811 GHz	-44.52 dBm	-31.52 dB
1.848 GHz	1.912 GHz	1.000 MHz	1.89573 GHz	14.24 dBm	-30.76 dB
1.912 GHz	12.750 GHz	1.000 MHz	6.70242 GHz	-39.17 dBm	-26.17 dB
12.750 GHz	19.100 GHz	1.000 MHz	16.27455 GHz	-38.00 dBm	-25.00 dB

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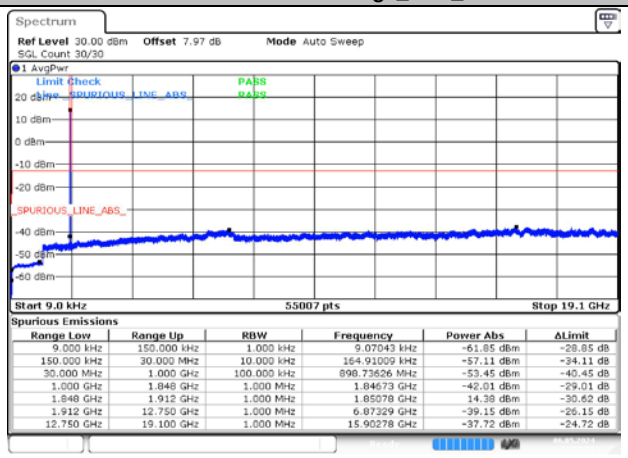
n2A / 15KHz / 20MHz

LCH / DFT-Pi2BPSK / Edge_1RB_Left

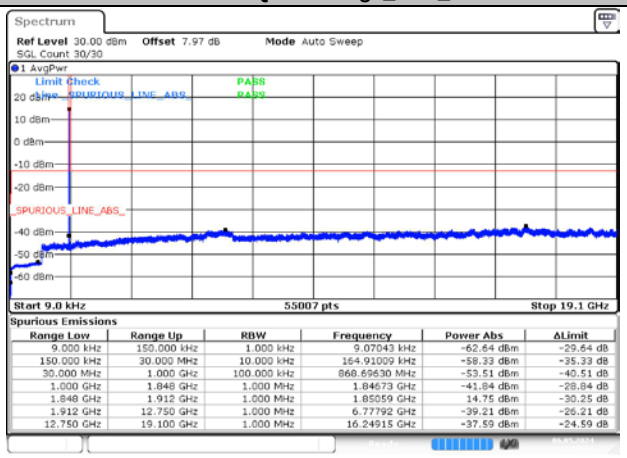


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	9.07043 kHz	-61.85 dBm	-28.85 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-57.11 dBm	-34.11 dB
30.000 MHz	1.000 GHz	100.000 kHz	898.73626 MHz	-53.45 dBm	-40.45 dB
1.000 GHz	1.848 GHz	1.000 MHz	1.84673 GHz	-42.01 dBm	-29.01 dB
1.848 GHz	1.912 GHz	1.000 MHz	1.85078 GHz	14.38 dBm	-30.62 dB
1.912 GHz	12.750 GHz	1.000 MHz	6.87329 GHz	-39.15 dBm	-26.15 dB
12.750 GHz	19.100 GHz	1.000 MHz	15.90278 GHz	-37.72 dBm	-24.72 dB

Date: 6.MAY.2024 11:51:51

LCH / DFT-QPSK / Edge_1RB_Left



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	9.07043 kHz	-62.64 dBm	-29.64 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-58.33 dBm	-35.33 dB
30.000 MHz	1.000 GHz	100.000 kHz	868.69630 MHz	-53.51 dBm	-40.51 dB
1.000 GHz	1.848 GHz	1.000 MHz	1.84673 GHz	-41.84 dBm	-28.84 dB
1.848 GHz	1.912 GHz	1.000 MHz	1.85059 GHz	14.75 dBm	-30.25 dB
1.912 GHz	12.750 GHz	1.000 MHz	6.77792 GHz	-39.21 dBm	-26.21 dB
12.750 GHz	19.100 GHz	1.000 MHz	16.24915 GHz	-37.59 dBm	-24.59 dB

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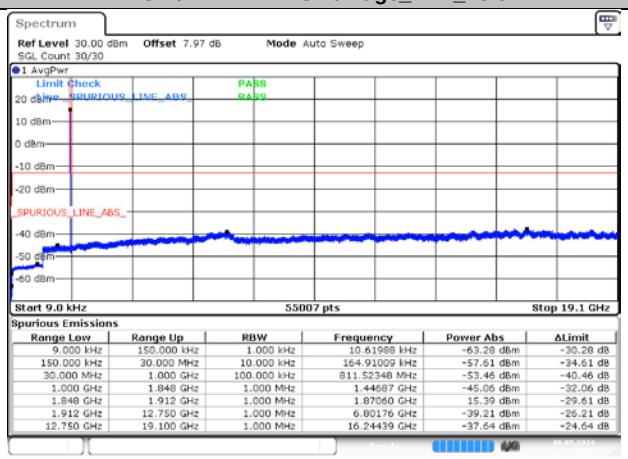
MCH / DFT-Pi2BPSK / Edge_1RB_Left



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	10.61988 kHz	-63.28 dBm	-30.28 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-57.61 dBm	-34.61 dB
30.000 MHz	1.000 GHz	100.000 kHz	811.52348 MHz	-53.46 dBm	-40.46 dB
1.000 GHz	1.848 GHz	1.000 MHz	1.44687 GHz	-45.06 dBm	-32.06 dB
1.848 GHz	1.912 GHz	1.000 MHz	1.87060 GHz	15.39 dBm	-29.61 dB
1.912 GHz	12.750 GHz	1.000 MHz	6.80176 GHz	-39.21 dBm	-26.21 dB
12.750 GHz	19.100 GHz	1.000 MHz	16.24439 GHz	-37.64 dBm	-24.64 dB

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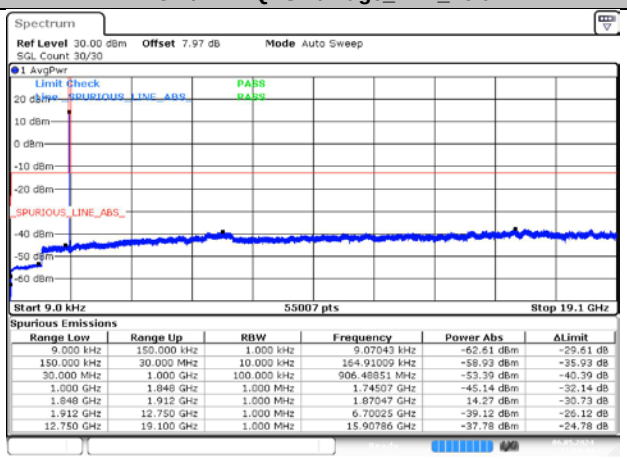
MCH / DFT-QPSK / Edge_1RB_Left



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	9.07043 kHz	-62.61 dBm	-29.61 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-58.93 dBm	-35.93 dB
30.000 MHz	1.000 GHz	100.000 kHz	906.48851 MHz	-53.39 dBm	-40.39 dB
1.000 GHz	1.848 GHz	1.000 MHz	1.74507 GHz	-45.14 dBm	-32.14 dB
1.848 GHz	1.912 GHz	1.000 MHz	1.87047 GHz	14.27 dBm	-30.73 dB
1.912 GHz	12.750 GHz	1.000 MHz	6.70025 GHz	-39.12 dBm	-26.12 dB
12.750 GHz	19.100 GHz	1.000 MHz	15.90786 GHz	-37.78 dBm	-24.78 dB

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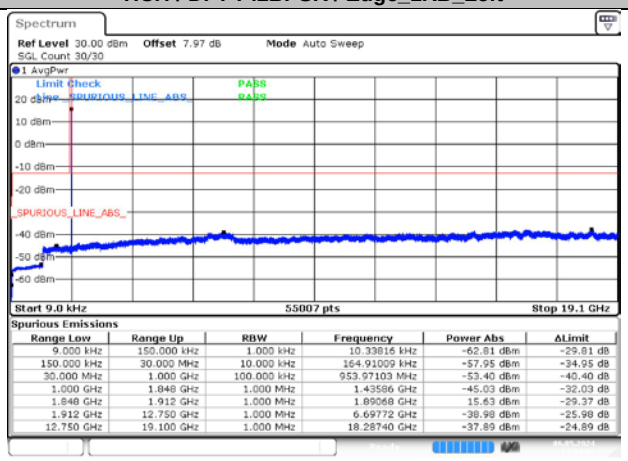
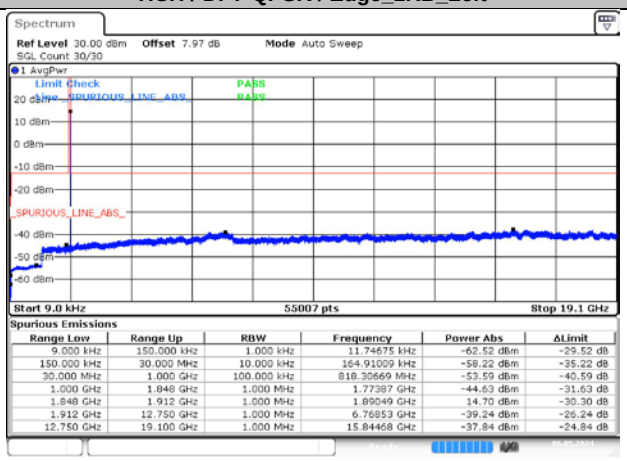
HCH / DFT-Pi2BPSK / Edge_1RB_Left	HCH / DFT-QPSK / Edge_1RB_Left
	

7. Frequency Stability

7.1. Test Results

7.1.1. Frequency Error Vs Voltage

SCS	Bandwidth	Channel	RB Config	Modulation	Temperature	Voltage	Deviation Result		Verdict
							(Hz)	(ppm)	
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	NT	LV	-3.60	-0.001915	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	NT	NV	-8.60	-0.004574	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	NT	HV	-8.00	-0.004255	Pass

7.1.2. Frequency Error Vs Temperature

SCS	Bandwidth	Channel	RB Config	Modulation	Temperature	Voltage	Deviation Result		Verdict
							(Hz)	(ppm)	
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	-30℃	NV	-5.50	-0.002926	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	-20℃	NV	-9.20	-0.004894	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	-10℃	NV	-7.70	-0.004096	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	0℃	NV	-7.30	-0.003883	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	10℃	NV	-9.00	-0.004787	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	20℃	NV	-6.50	-0.003457	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	30℃	NV	-5.00	-0.002660	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	40℃	NV	-5.30	-0.002819	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	50℃	NV	-7.70	-0.004096	Pass

The End