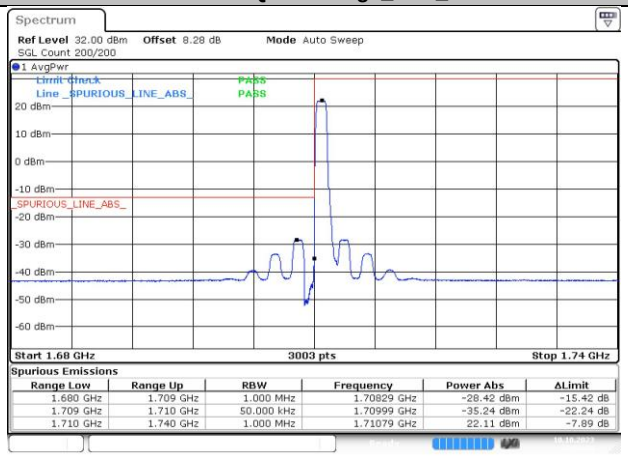
LCH / DFT-QPSK / Edge_1RB_Left

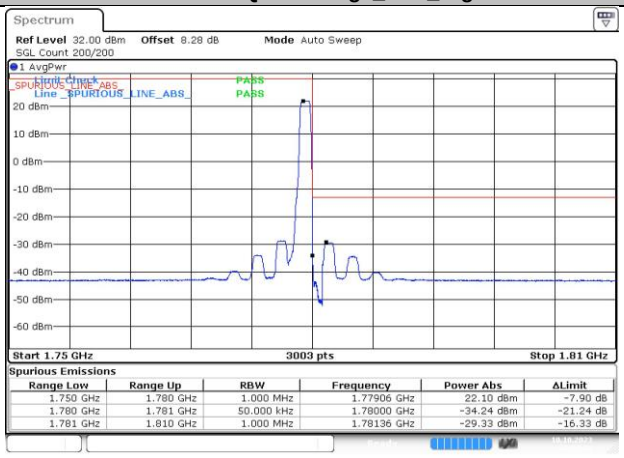


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.680 GHz	1.709 GHz	1.000 MHz	1.70829 GHz	-28.42 dBm	-15.42 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.70999 GHz	-35.24 dBm	-22.24 dB
1.710 GHz	1.740 GHz	1.000 MHz	1.71079 GHz	22.11 dBm	-7.89 dB

Date: 10.OCT.2023 18:26:39

HCH / DFT-QPSK / Edge_1RB_Right

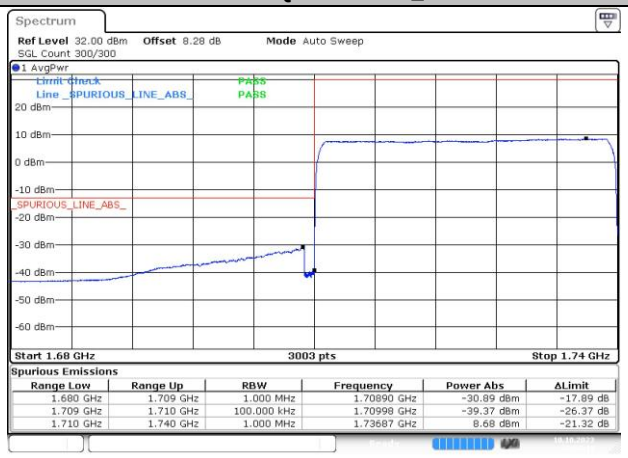


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.780 GHz	1.000 MHz	1.77906 GHz	22.10 dBm	-7.90 dB
1.780 GHz	1.781 GHz	50.000 kHz	1.78000 GHz	-34.24 dBm	-21.24 dB
1.781 GHz	1.810 GHz	1.000 MHz	1.78136 GHz	-29.33 dBm	-16.33 dB

Date: 10.OCT.2023 18:29:27

LCH / DFT-QPSK / Outer_Full

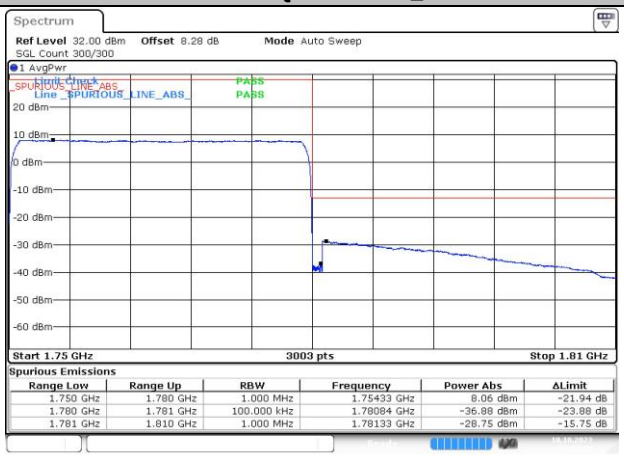


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.680 GHz	1.709 GHz	1.000 MHz	1.70890 GHz	-30.89 dBm	-17.89 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.70998 GHz	-39.37 dBm	-26.37 dB
1.710 GHz	1.740 GHz	1.000 MHz	1.73687 GHz	8.68 dBm	-21.32 dB

Date: 10.OCT.2023 18:27:19

HCH / DFT-QPSK / Outer_Full



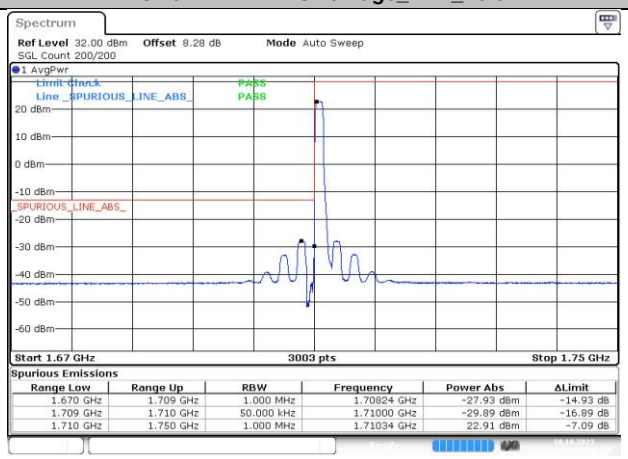
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.780 GHz	1.000 MHz	1.75433 GHz	8.06 dBm	-21.94 dB
1.780 GHz	1.781 GHz	100.000 kHz	1.78084 GHz	-36.88 dBm	-23.88 dB
1.781 GHz	1.810 GHz	1.000 MHz	1.78133 GHz	-28.75 dBm	-15.75 dB

Date: 10.OCT.2023 18:29:59

DC_7A_n66A / 15KHz / 40MHz

LCH / DFT-Pi2BPSK / Edge_1RB_Left

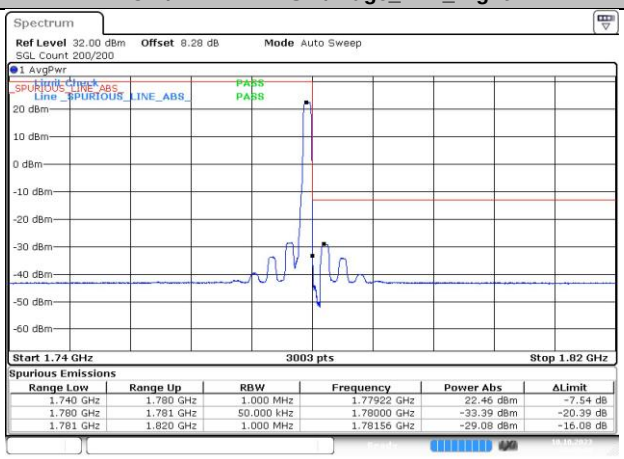


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.670 GHz	1.709 GHz	1.000 MHz	1.70824 GHz	-27.93 dBm	-14.93 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-29.89 dBm	-16.89 dB
1.710 GHz	1.750 GHz	1.000 MHz	1.71034 GHz	22.91 dBm	-7.09 dB

Date: 10.OCT.2023 18:32:39

HCH / DFT-Pi2BPSK / Edge_1RB_Right

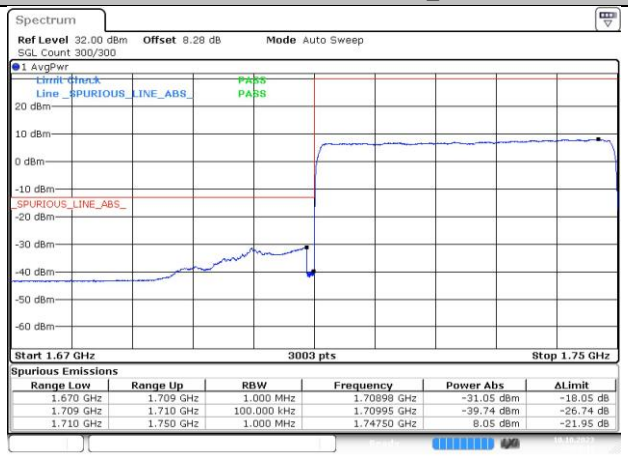


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.740 GHz	1.780 GHz	1.000 MHz	1.77922 GHz	22.46 dBm	-7.54 dB
1.780 GHz	1.781 GHz	50.000 kHz	1.78000 GHz	-33.39 dBm	-20.39 dB
1.781 GHz	1.820 GHz	1.000 MHz	1.78156 GHz	-29.08 dBm	-16.08 dB

Date: 10.OCT.2023 18:49:50

LCH / DFT-Pi2BPSK / Outer_Full

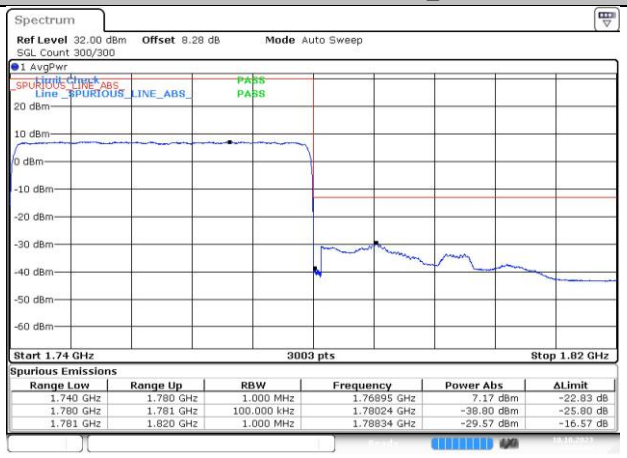


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.670 GHz	1.709 GHz	1.000 MHz	1.70898 GHz	-31.05 dBm	-18.05 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.70995 GHz	-39.74 dBm	-26.74 dB
1.710 GHz	1.750 GHz	1.000 MHz	1.74750 GHz	8.05 dBm	-21.95 dB

Date: 10.OCT.2023 19:29:11

HCH / DFT-Pi2BPSK / Outer_Full

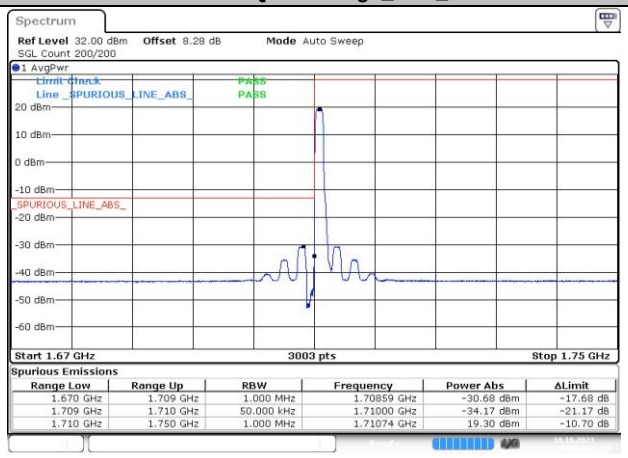


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.740 GHz	1.780 GHz	1.000 MHz	1.76895 GHz	7.17 dBm	-22.83 dB
1.780 GHz	1.781 GHz	100.000 kHz	1.78024 GHz	-38.80 dBm	-25.80 dB
1.781 GHz	1.820 GHz	1.000 MHz	1.78834 GHz	-29.57 dBm	-16.57 dB

Date: 10.OCT.2023 18:50:52

LCH / DFT-QPSK / Edge_1RB_Left

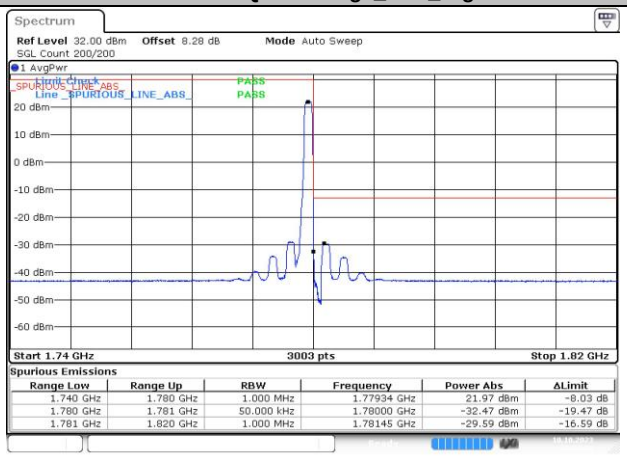


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.670 GHz	1.709 GHz	1.000 MHz	1.70859 GHz	-30.68 dBm	-17.68 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-34.17 dBm	-21.17 dB
1.710 GHz	1.750 GHz	1.000 MHz	1.71074 GHz	19.30 dBm	-10.70 dB

Date: 10.OCT.2023 18:43:53

HCH / DFT-QPSK / Edge_1RB_Right

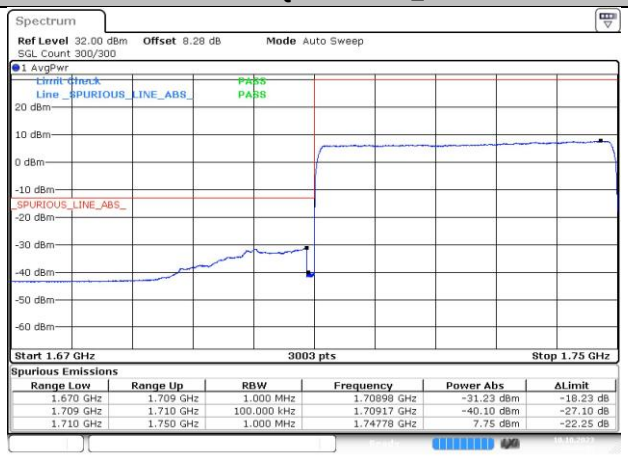


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.740 GHz	1.780 GHz	1.000 MHz	1.77934 GHz	21.97 dBm	-8.03 dB
1.780 GHz	1.781 GHz	50.000 kHz	1.78000 GHz	-32.47 dBm	-19.47 dB
1.781 GHz	1.820 GHz	1.000 MHz	1.78145 GHz	-29.59 dBm	-16.59 dB

Date: 10.OCT.2023 18:53:26

LCH / DFT-QPSK / Outer_Full

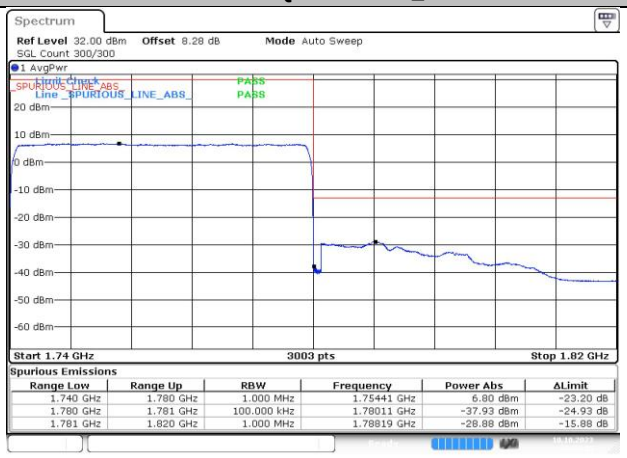


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.670 GHz	1.709 GHz	1.000 MHz	1.70898 GHz	-31.23 dBm	-18.23 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.70917 GHz	-40.10 dBm	-27.10 dB
1.710 GHz	1.750 GHz	1.000 MHz	1.74778 GHz	7.75 dBm	-22.25 dB

Date: 10.OCT.2023 18:46:31

HCH / DFT-QPSK / Outer_Full



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.740 GHz	1.780 GHz	1.000 MHz	1.75441 GHz	6.80 dBm	-23.20 dB
1.780 GHz	1.781 GHz	100.000 kHz	1.78011 GHz	-37.93 dBm	-24.93 dB
1.781 GHz	1.820 GHz	1.000 MHz	1.78819 GHz	-28.88 dBm	-15.88 dB

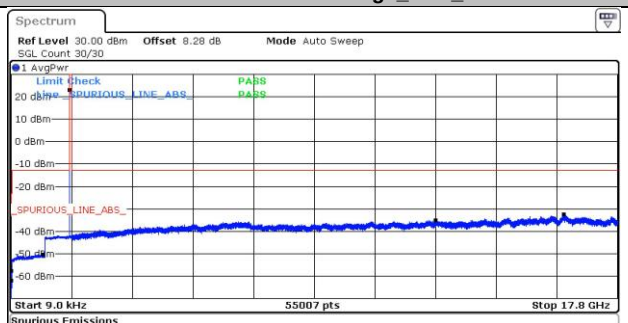
Date: 10.OCT.2023 18:55:15

6. Conducted Spurious Emission

6.1. Test Plots

DC_7A_n66A / 15KHz / 5MHz

LCH / DFT-Pi2BPSK / Edge_1RB_Left

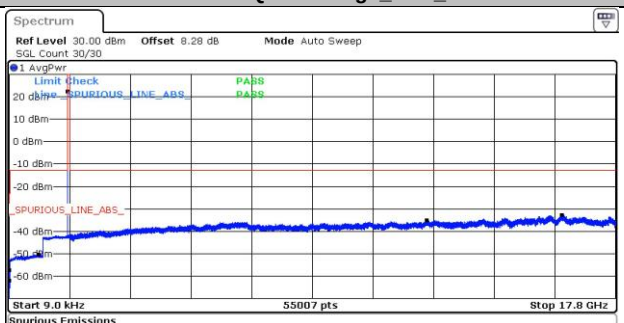


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	11.74675 kHz	-62.17 dBm	-29.17 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-57.69 dBm	-34.69 dB
30.000 MHz	1.000 GHz	100.000 kHz	924.90010 MHz	-50.35 dBm	-37.35 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.70765 GHz	-29.59 dBm	-16.59 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.71025 GHz	22.93 dBm	-7.07 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.46722 GHz	-35.01 dBm	-22.01 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.22991 GHz	-32.60 dBm	-19.60 dB

Date: 10.OCT.2023 19:33:11

LCH / DFT-QPSK / Edge_1RB_Left

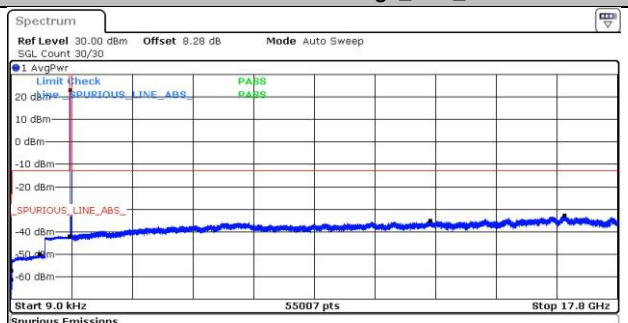


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	9.49301 kHz	-62.01 dBm	-29.01 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	861.91309 MHz	-50.28 dBm	-37.28 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.70765 GHz	-30.18 dBm	-17.18 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.71040 GHz	22.33 dBm	-7.67 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.25445 GHz	-34.99 dBm	-21.99 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.22637 GHz	-32.66 dBm	-19.66 dB

Date: 10.OCT.2023 19:33:29

MCH / DFT-Pi2BPSK / Edge_1RB_Left

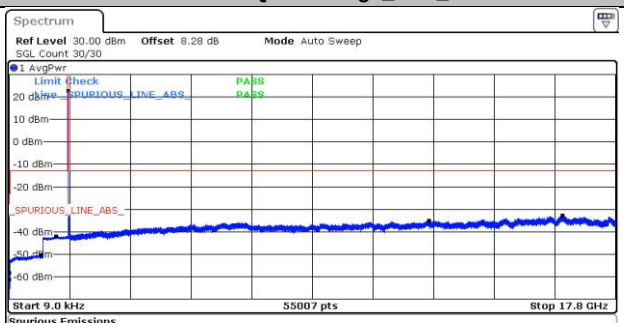


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	9.91558 kHz	-61.52 dBm	-28.52 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-57.28 dBm	-34.28 dB
30.000 MHz	1.000 GHz	100.000 kHz	844.47053 MHz	-50.08 dBm	-37.08 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.70552 GHz	-42.09 dBm	-29.09 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.74278 GHz	22.89 dBm	-7.11 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.29503 GHz	-35.24 dBm	-22.24 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.24430 GHz	-32.63 dBm	-19.63 dB

Date: 10.OCT.2023 19:33:48

MCH / DFT-QPSK / Edge_1RB_Left

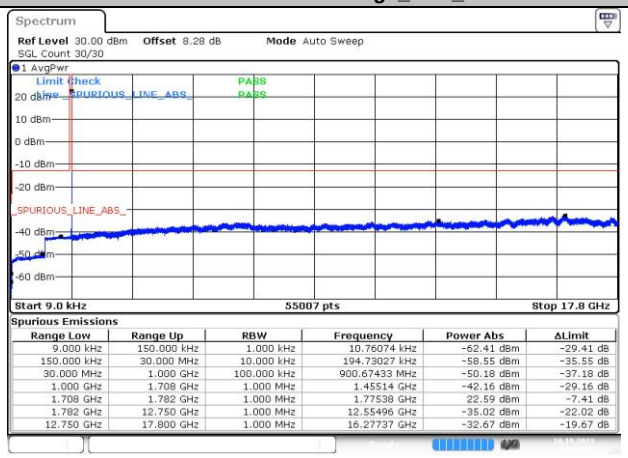


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	9.77473 kHz	-61.30 dBm	-28.30 dB
150.000 kHz	30.000 MHz	10.000 kHz	194.73027 kHz	-58.29 dBm	-35.29 dB
30.000 MHz	1.000 GHz	100.000 kHz	948.15684 MHz	-50.41 dBm	-37.41 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.38583 GHz	-42.09 dBm	-29.09 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.74278 GHz	22.66 dBm	-7.34 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.33158 GHz	-35.19 dBm	-22.19 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.24405 GHz	-32.88 dBm	-19.88 dB

Date: 10.OCT.2023 19:34:06

HCH / DFT-Pi2BPSK / Edge_1RB_Left

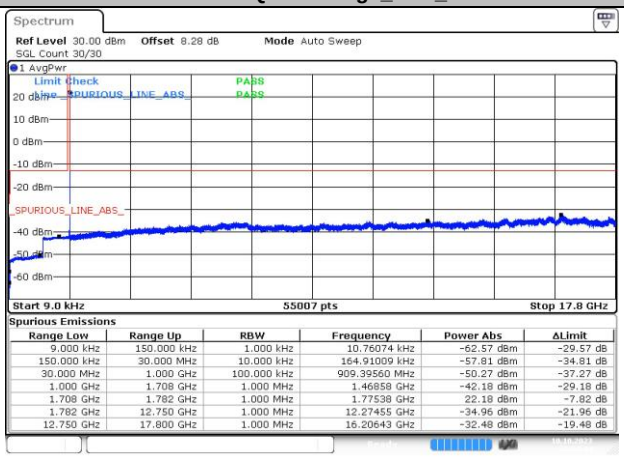


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	10.76074 kHz	-62.41 dBm	-29.41 dB
150.000 kHz	30.000 MHz	10.000 kHz	194.73027 kHz	-58.55 dBm	-35.55 dB
30.000 MHz	1.000 GHz	100.000 kHz	900.67433 MHz	-50.18 dBm	-37.18 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.45514 GHz	-42.16 dBm	-29.16 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.77538 GHz	22.59 dBm	-7.41 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.55496 GHz	-35.02 dBm	-22.02 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.27737 GHz	-32.67 dBm	-19.67 dB

Date: 10.OCT.2023 19:34:25

HCH / DFT-QPSK / Edge_1RB_Left



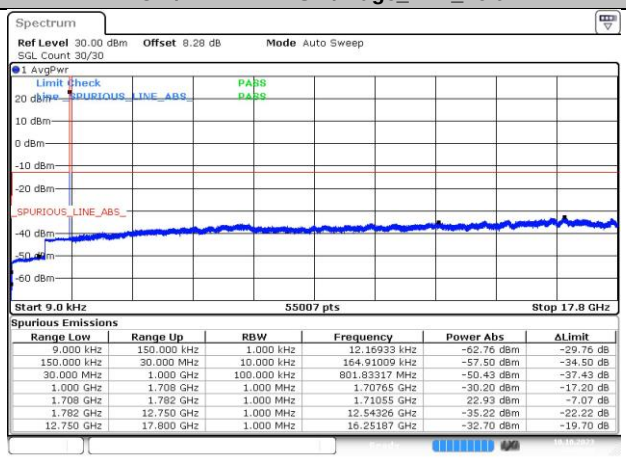
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	10.76074 kHz	-62.57 dBm	-29.57 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-57.81 dBm	-34.81 dB
30.000 MHz	1.000 GHz	100.000 kHz	909.39560 MHz	-50.27 dBm	-37.27 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.46858 GHz	-42.18 dBm	-29.18 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.77538 GHz	22.18 dBm	-7.82 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.27455 GHz	-34.96 dBm	-21.96 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.20643 GHz	-32.48 dBm	-19.48 dB

Date: 10.OCT.2023 19:34:43

DC_7A_n66A / 15KHz / 10MHz

LCH / DFT-Pi2BPSK / Edge_1RB_Left

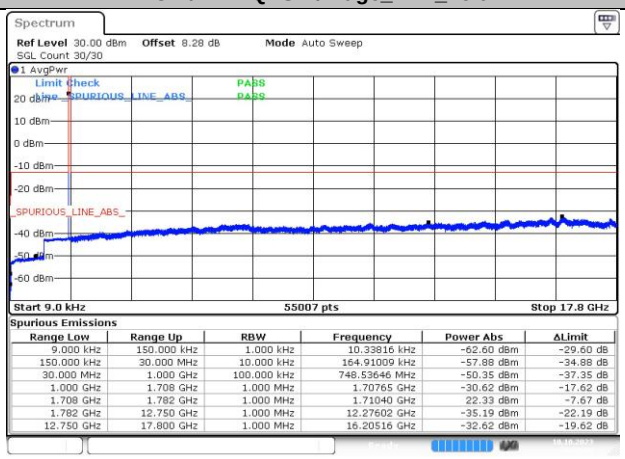


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	12.16933 kHz	-62.76 dBm	-29.76 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	801.83317 MHz	-50.43 dBm	-37.43 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.70765 GHz	-30.20 dBm	-17.20 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.71055 GHz	22.93 dBm	-7.07 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.54326 GHz	-35.22 dBm	-22.22 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.25187 GHz	-32.70 dBm	-19.70 dB

Date: 10.OCT.2023 19:35:29

LCH / DFT-QPSK / Edge_1RB_Left

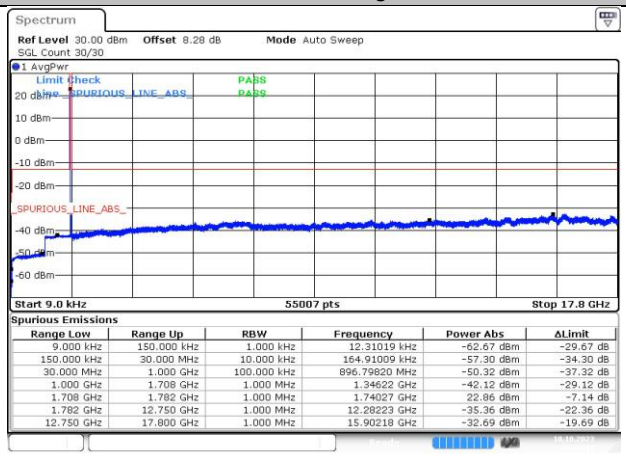


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	10.33816 kHz	-62.60 dBm	-29.60 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-57.88 dBm	-34.88 dB
30.000 MHz	1.000 GHz	100.000 kHz	748.53646 MHz	-50.35 dBm	-37.35 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.70765 GHz	-30.62 dBm	-17.62 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.71040 GHz	22.33 dBm	-7.67 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.27602 GHz	-35.19 dBm	-22.19 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.20516 GHz	-32.62 dBm	-19.62 dB

Date: 10.OCT.2023 19:35:50

MCH / DFT-Pi2BPSK / Edge_1RB_Left

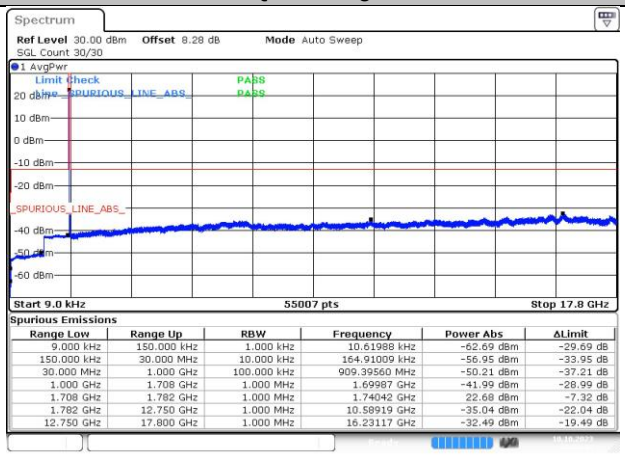


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	12.31019 kHz	-62.67 dBm	-29.67 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-57.30 dBm	-34.30 dB
30.000 MHz	1.000 GHz	100.000 kHz	896.79820 MHz	-50.32 dBm	-37.32 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.34622 GHz	-42.12 dBm	-29.12 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.74027 GHz	22.86 dBm	-7.14 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.28223 GHz	-35.36 dBm	-22.36 dB
12.750 GHz	17.800 GHz	1.000 MHz	15.90218 GHz	-32.69 dBm	-19.69 dB

Date: 10.OCT.2023 19:36:11

MCH / DFT-QPSK / Edge_1RB_Left

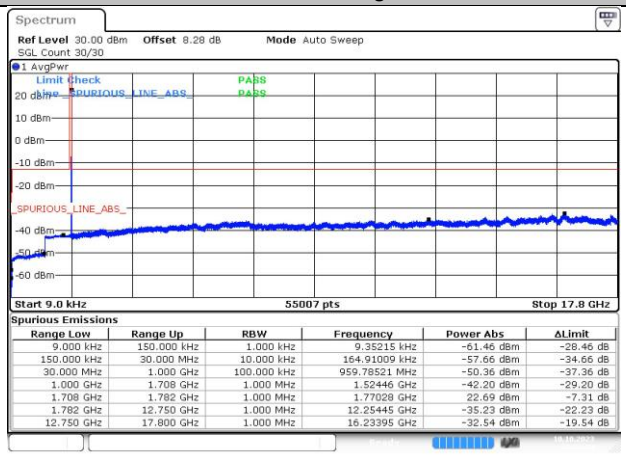


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	10.61988 kHz	-62.69 dBm	-29.69 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-56.95 dBm	-33.95 dB
30.000 MHz	1.000 GHz	100.000 kHz	909.39560 MHz	-50.21 dBm	-37.21 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.69987 GHz	-41.99 dBm	-28.99 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.74042 GHz	22.68 dBm	-7.32 dB
1.782 GHz	12.750 GHz	1.000 MHz	10.58919 GHz	-35.04 dBm	-22.04 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.23117 GHz	-32.49 dBm	-19.49 dB

Date: 10.OCT.2023 19:36:32

HCH / DFT-Pi2BPSK / Edge_1RB_Left

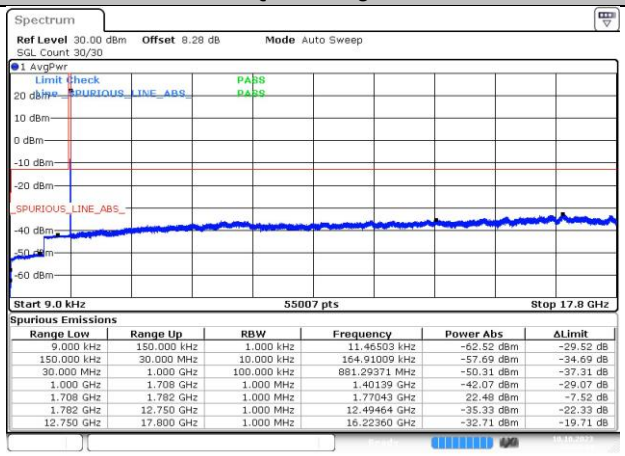


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	9.35215 kHz	-61.46 dBm	-28.46 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-57.66 dBm	-34.66 dB
30.000 MHz	1.000 GHz	100.000 kHz	959.78521 MHz	-50.36 dBm	-37.36 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.52446 GHz	-42.20 dBm	-29.20 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.77028 GHz	22.69 dBm	-7.31 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.25445 GHz	-35.23 dBm	-22.23 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.23395 GHz	-32.54 dBm	-19.54 dB

Date: 10.OCT.2023 19:36:53

HCH / DFT-QPSK / Edge_1RB_Left



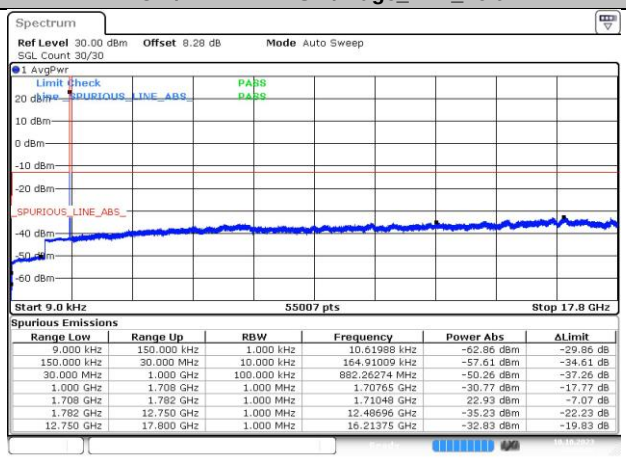
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	11.46503 kHz	-62.52 dBm	-29.52 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-57.69 dBm	-34.69 dB
30.000 MHz	1.000 GHz	100.000 kHz	881.29371 MHz	-50.31 dBm	-37.31 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.40139 GHz	-42.07 dBm	-29.07 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.77043 GHz	22.48 dBm	-7.52 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.49464 GHz	-35.33 dBm	-22.33 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.22360 GHz	-32.71 dBm	-19.71 dB

Date: 10.OCT.2023 19:37:14

DC_7A_n66A / 15KHz / 15MHz

LCH / DFT-Pi2BPSK / Edge_1RB_Left

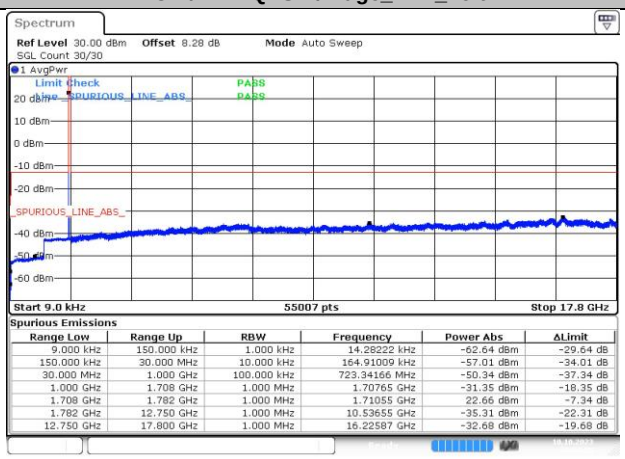


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	10.61988 kHz	-62.86 dBm	-29.86 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	882.26274 MHz	-50.26 dBm	-37.26 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.70765 GHz	-30.77 dBm	-17.77 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.71048 GHz	22.93 dBm	-7.07 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.48696 GHz	-35.23 dBm	-22.23 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.21375 GHz	-32.83 dBm	-19.83 dB

Date: 10.OCT.2023 19:38:03

LCH / DFT-QPSK / Edge_1RB_Left

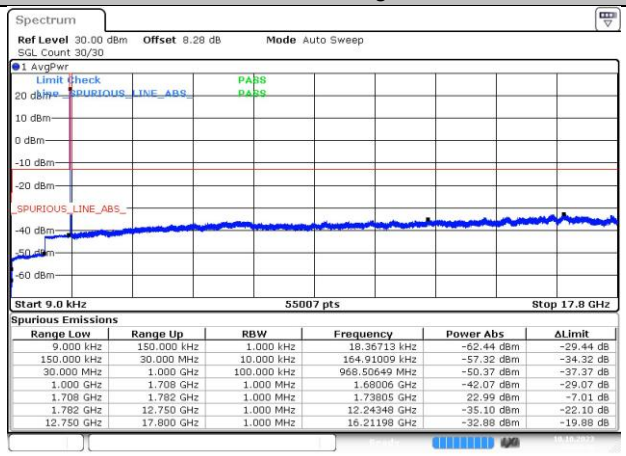


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	14.28222 kHz	-62.64 dBm	-29.64 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-57.01 dBm	-34.01 dB
30.000 MHz	1.000 GHz	100.000 kHz	723.34166 MHz	-50.34 dBm	-37.34 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.70765 GHz	-31.35 dBm	-18.35 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.71055 GHz	22.66 dBm	-7.34 dB
1.782 GHz	12.750 GHz	1.000 MHz	10.53655 GHz	-35.31 dBm	-22.31 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.22587 GHz	-32.68 dBm	-19.68 dB

Date: 10.OCT.2023 19:38:25

MCH / DFT-Pi2BPSK / Edge_1RB_Left

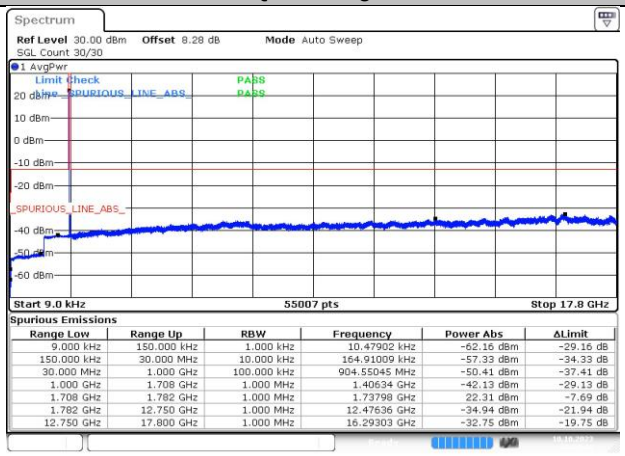


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	18.36713 kHz	-62.44 dBm	-29.44 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-57.32 dBm	-34.32 dB
30.000 MHz	1.000 GHz	100.000 kHz	968.50649 MHz	-50.37 dBm	-37.37 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.68006 GHz	-42.07 dBm	-29.07 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.73805 GHz	22.99 dBm	-7.01 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.24348 GHz	-35.10 dBm	-22.10 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.21198 GHz	-32.88 dBm	-19.88 dB

Date: 10.OCT.2023 19:38:48

MCH / DFT-QPSK / Edge_1RB_Left

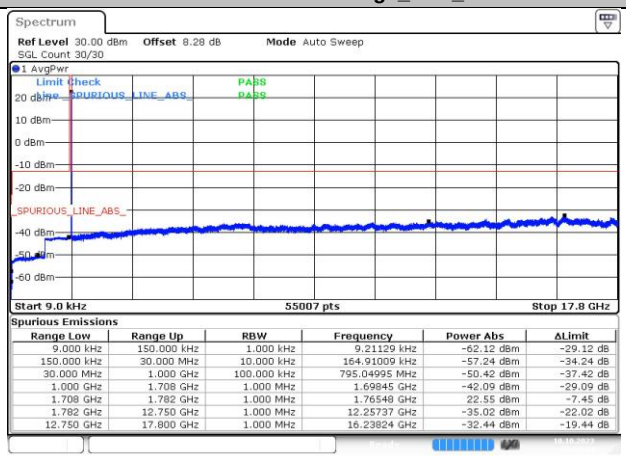


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	10.47902 kHz	-62.16 dBm	-29.16 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-57.33 dBm	-34.33 dB
30.000 MHz	1.000 GHz	100.000 kHz	904.55045 MHz	-50.41 dBm	-37.41 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.40634 GHz	-42.13 dBm	-29.13 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.73798 GHz	22.31 dBm	-7.69 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.47636 GHz	-34.94 dBm	-21.94 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.29303 GHz	-32.75 dBm	-19.75 dB

Date: 10.OCT.2023 19:39:10

HCH / DFT-Pi2BPSK / Edge_1RB_Left

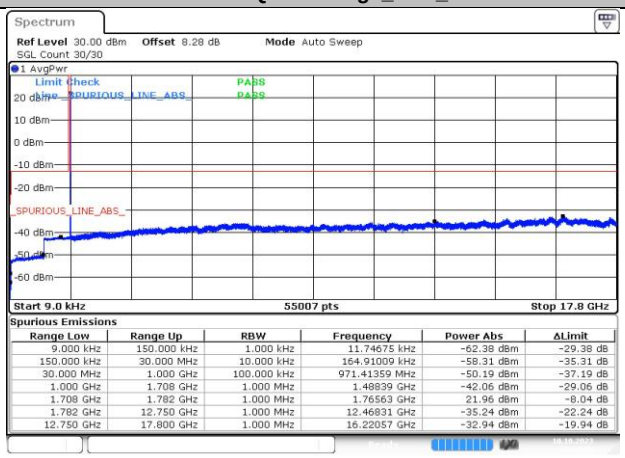


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	9.21129 kHz	-62.12 dBm	-29.12 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-57.24 dBm	-34.24 dB
30.000 MHz	1.000 GHz	100.000 kHz	795.04995 MHz	-50.42 dBm	-37.42 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.69845 GHz	-42.09 dBm	-29.09 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.76548 GHz	22.55 dBm	-7.45 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.25737 GHz	-35.02 dBm	-22.02 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.23824 GHz	-32.44 dBm	-19.44 dB

Date: 10.OCT.2023 19:39:33

HCH / DFT-QPSK / Edge_1RB_Left



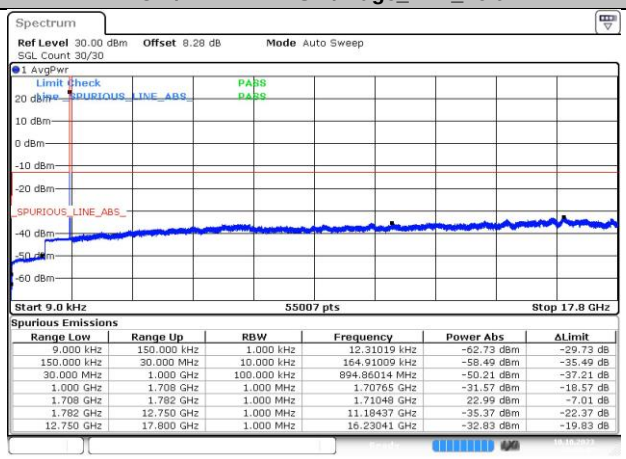
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	11.74675 kHz	-62.38 dBm	-29.38 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-58.31 dBm	-35.31 dB
30.000 MHz	1.000 GHz	100.000 kHz	971.41359 MHz	-50.19 dBm	-37.19 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.48839 GHz	-42.06 dBm	-29.06 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.76563 GHz	21.96 dBm	-8.04 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.46831 GHz	-35.24 dBm	-22.24 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.22057 GHz	-32.94 dBm	-19.94 dB

Date: 10.OCT.2023 19:39:55

DC_7A_n66A / 15KHz / 20MHz

LCH / DFT-Pi2BPSK / Edge_1RB_Left

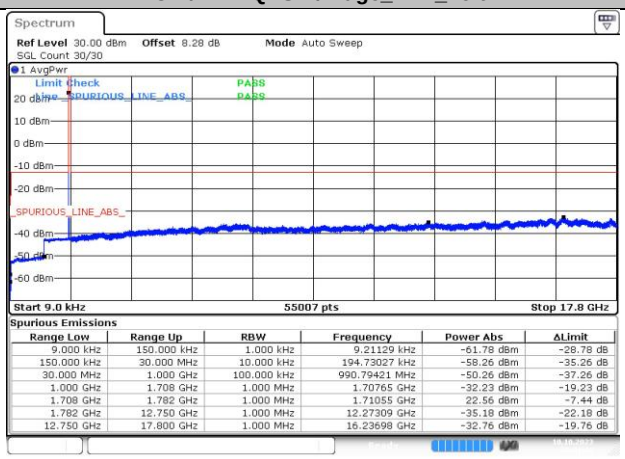


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	12.31019 kHz	-62.73 dBm	-29.73 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-58.49 dBm	-35.49 dB
30.000 MHz	1.000 GHz	100.000 kHz	894.86014 MHz	-50.21 dBm	-37.21 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.70765 GHz	-31.57 dBm	-18.57 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.71048 GHz	22.99 dBm	-7.01 dB
1.782 GHz	12.750 GHz	1.000 MHz	11.18437 GHz	-35.37 dBm	-22.37 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.23041 GHz	-32.83 dBm	-19.83 dB

Date: 10.OCT.2023 19:40:46

LCH / DFT-QPSK / Edge_1RB_Left

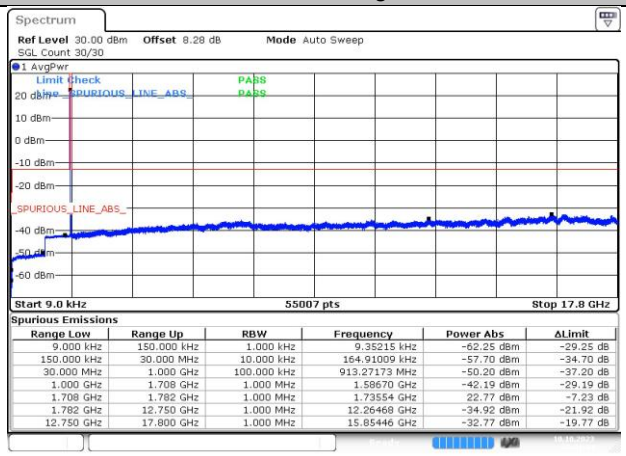


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	9.21129 kHz	-61.78 dBm	-28.78 dB
150.000 kHz	30.000 MHz	10.000 kHz	194.73027 kHz	-58.26 dBm	-35.26 dB
30.000 MHz	1.000 GHz	100.000 kHz	990.79421 MHz	-50.26 dBm	-37.26 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.70765 GHz	-32.23 dBm	-19.23 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.71055 GHz	22.56 dBm	-7.44 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.27309 GHz	-35.18 dBm	-22.18 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.23698 GHz	-32.76 dBm	-19.76 dB

Date: 10.OCT.2023 19:41:10

MCH / DFT-Pi2BPSK / Edge_1RB_Left

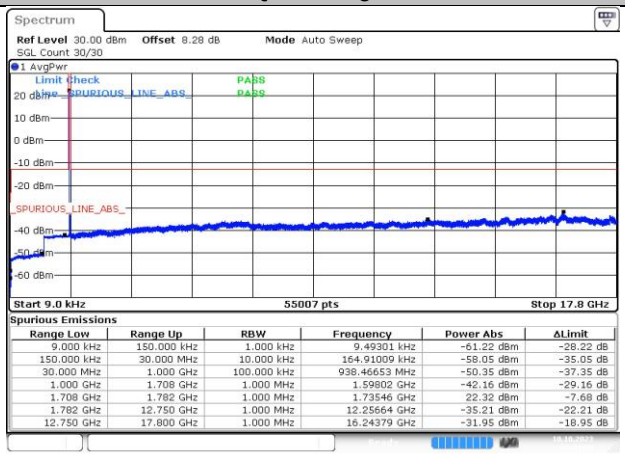


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	9.35215 kHz	-62.25 dBm	-29.25 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-57.70 dBm	-34.70 dB
30.000 MHz	1.000 GHz	100.000 kHz	913.27173 MHz	-50.20 dBm	-37.20 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.58670 GHz	-42.19 dBm	-29.19 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.73554 GHz	22.77 dBm	-7.23 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.26468 GHz	-34.92 dBm	-21.92 dB
12.750 GHz	17.800 GHz	1.000 MHz	15.85446 GHz	-32.77 dBm	-19.77 dB

Date: 10.OCT.2023 19:41:35

MCH / DFT-QPSK / Edge_1RB_Left

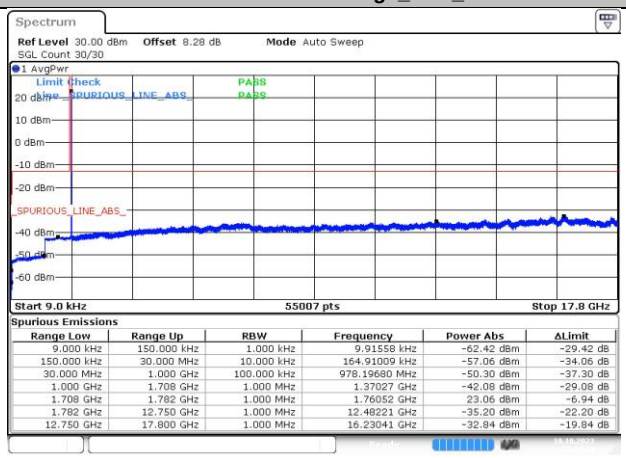


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	9.49301 kHz	-61.22 dBm	-28.22 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-58.05 dBm	-35.05 dB
30.000 MHz	1.000 GHz	100.000 kHz	938.46653 MHz	-50.35 dBm	-37.35 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.59802 GHz	-42.16 dBm	-29.16 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.73546 GHz	22.32 dBm	-7.68 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.25664 GHz	-35.21 dBm	-22.21 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.24379 GHz	-31.95 dBm	-18.95 dB

Date: 10.OCT.2023 19:41:59

HCH / DFT-Pi2BPSK / Edge_1RB_Left

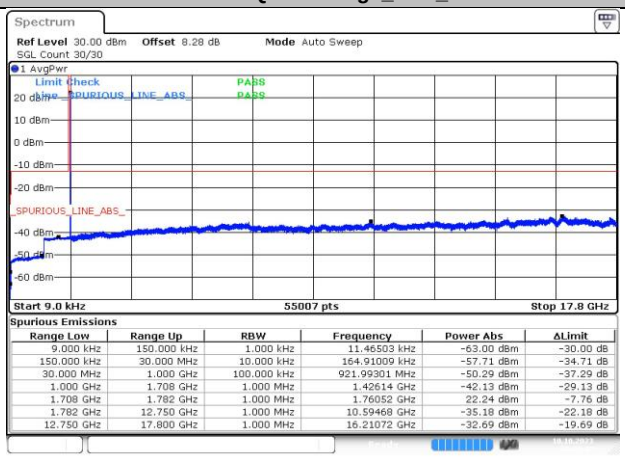


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	9.91558 kHz	-62.42 dBm	-29.42 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-57.06 dBm	-34.06 dB
30.000 MHz	1.000 GHz	100.000 kHz	978.19680 MHz	-50.30 dBm	-37.30 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.37027 GHz	-42.08 dBm	-29.08 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.76052 GHz	23.06 dBm	-6.94 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.48221 GHz	-35.20 dBm	-22.20 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.23041 GHz	-32.84 dBm	-19.84 dB

Date: 10.OCT.2023 19:42:24

HCH / DFT-QPSK / Edge_1RB_Left



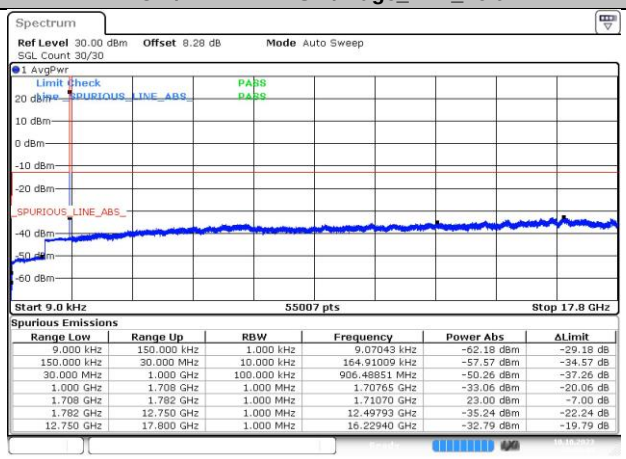
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	11.46503 kHz	-63.00 dBm	-30.00 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-57.71 dBm	-34.71 dB
30.000 MHz	1.000 GHz	100.000 kHz	921.99301 MHz	-50.29 dBm	-37.29 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.42614 GHz	-42.13 dBm	-29.13 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.76052 GHz	22.24 dBm	-7.76 dB
1.782 GHz	12.750 GHz	1.000 MHz	10.59468 GHz	-35.18 dBm	-22.18 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.21072 GHz	-32.69 dBm	-19.69 dB

Date: 10.OCT.2023 19:42:48

DC_7A_n66A / 15KHz / 30MHz

LCH / DFT-Pi2BPSK / Edge_1RB_Left

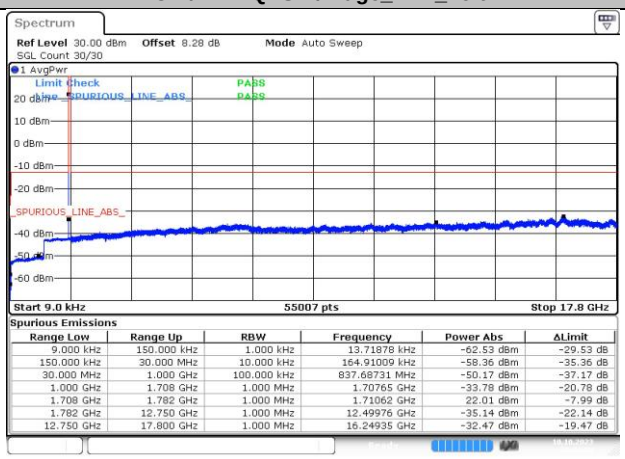


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	9.07043 kHz	-62.18 dBm	-29.18 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-57.57 dBm	-34.57 dB
30.000 MHz	1.000 GHz	100.000 kHz	906.48851 MHz	-50.26 dBm	-37.26 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.70765 GHz	-33.06 dBm	-20.06 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.71070 GHz	23.00 dBm	-7.00 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.49793 GHz	-35.24 dBm	-22.24 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.22940 GHz	-32.79 dBm	-19.79 dB

Date: 10.OCT.2023 19:43:43

LCH / DFT-QPSK / Edge_1RB_Left

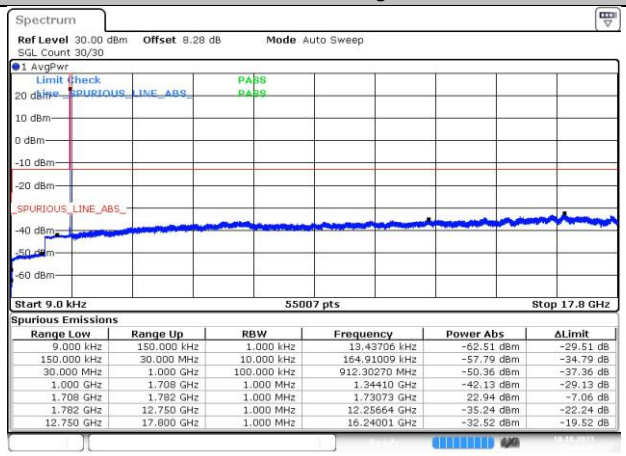


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	13.71878 kHz	-62.53 dBm	-29.53 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-58.36 dBm	-35.36 dB
30.000 MHz	1.000 GHz	100.000 kHz	837.68731 MHz	-50.17 dBm	-37.17 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.70765 GHz	-33.78 dBm	-20.78 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.71062 GHz	22.01 dBm	-7.99 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.49976 GHz	-35.14 dBm	-22.14 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.24935 GHz	-32.47 dBm	-19.47 dB

Date: 10.OCT.2023 19:44:09

MCH / DFT-Pi2BPSK / Edge_1RB_Left

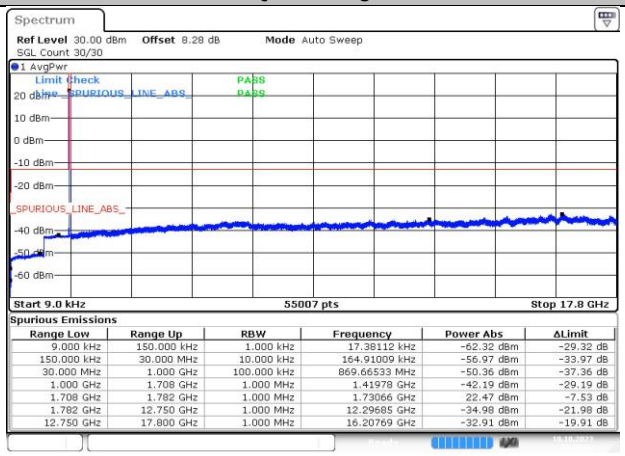


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	13.43706 kHz	-62.51 dBm	-29.51 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-57.79 dBm	-34.79 dB
30.000 MHz	1.000 GHz	100.000 kHz	912.30270 MHz	-50.36 dBm	-37.36 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.34410 GHz	-42.13 dBm	-29.13 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.73073 GHz	22.94 dBm	-7.06 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.25664 GHz	-35.24 dBm	-22.24 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.24001 GHz	-32.52 dBm	-19.52 dB

Date: 10.OCT.2023 19:44:35

MCH / DFT-QPSK / Edge_1RB_Left

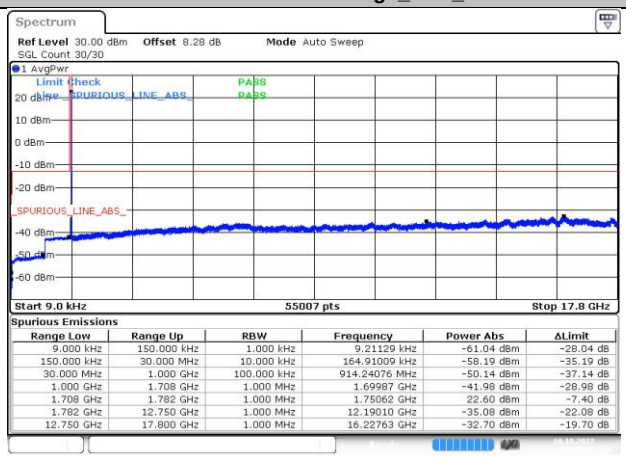


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	17.38112 kHz	-62.32 dBm	-29.32 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-56.97 dBm	-33.97 dB
30.000 MHz	1.000 GHz	100.000 kHz	869.66533 MHz	-50.36 dBm	-37.36 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.41978 GHz	-42.19 dBm	-29.19 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.73066 GHz	22.47 dBm	-7.53 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.29685 GHz	-34.98 dBm	-21.98 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.20769 GHz	-32.91 dBm	-19.91 dB

Date: 10.OCT.2023 19:45:01

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	-61.04 dBm	-28.04 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-58.19 dBm	-35.19 dB
30.000 MHz	1.000 GHz	100.000 kHz	914.24076 MHz	-50.14 dBm	-37.14 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.69987 GHz	-41.98 dBm	-28.98 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.75062 GHz	22.60 dBm	-7.40 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.19010 GHz	-35.08 dBm	-22.08 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.22763 GHz	-32.70 dBm	-19.70 dB

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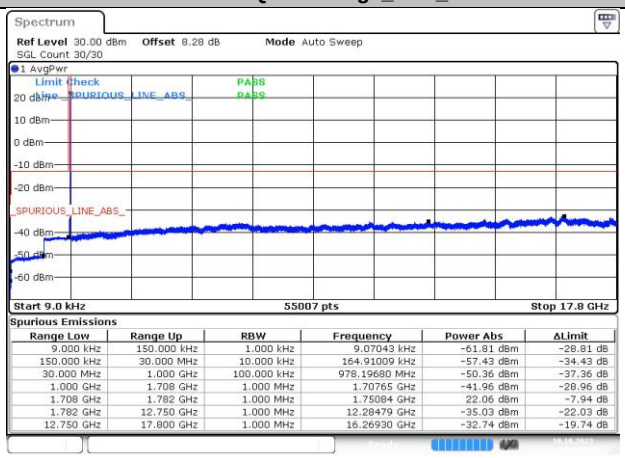
HCH / DFT-QPSK / Edge_1RB_Left



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	9.07043 kHz	-61.81 dBm	-28.81 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-57.43 dBm	-34.43 dB
30.000 MHz	1.000 GHz	100.000 kHz	978.19680 MHz	-50.36 dBm	-37.36 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.70765 GHz	-41.96 dBm	-28.96 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.75084 GHz	22.06 dBm	-7.94 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.28479 GHz	-35.03 dBm	-22.03 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.26930 GHz	-32.74 dBm	-19.74 dB

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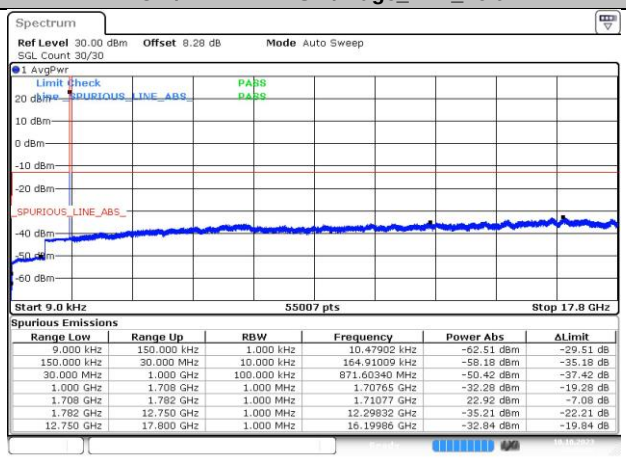
DC_7A_n66A / 15KHz / 40MHz

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	10.47902 kHz	-62.51 dBm	-29.51 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-58.18 dBm	-35.18 dB
30.000 MHz	1.000 GHz	100.000 kHz	871.60340 MHz	-50.42 dBm	-37.42 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.70765 GHz	-32.28 dBm	-19.28 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.71077 GHz	22.92 dBm	-7.08 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.29832 GHz	-35.21 dBm	-22.21 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.19986 GHz	-32.84 dBm	-19.84 dB

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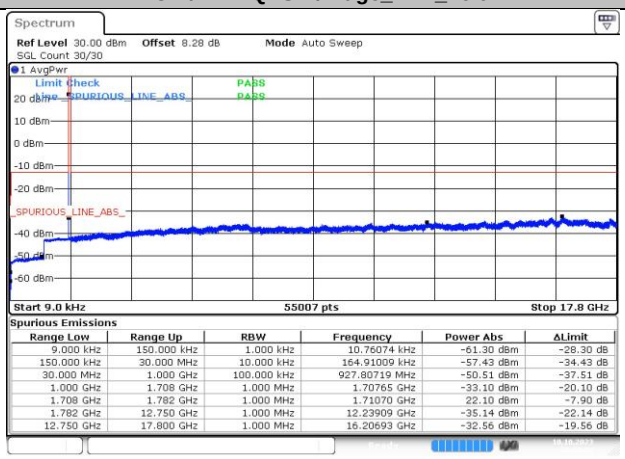
LCH / DFT-QPSK / Edge_1RB_Left



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	10.76074 kHz	-61.30 dBm	-28.30 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-57.43 dBm	-34.43 dB
30.000 MHz	1.000 GHz	100.000 kHz	927.80719 MHz	-50.51 dBm	-37.51 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.70765 GHz	-33.10 dBm	-20.10 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.71070 GHz	22.10 dBm	-7.90 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.23909 GHz	-35.14 dBm	-22.14 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.20693 GHz	-32.56 dBm	-19.56 dB

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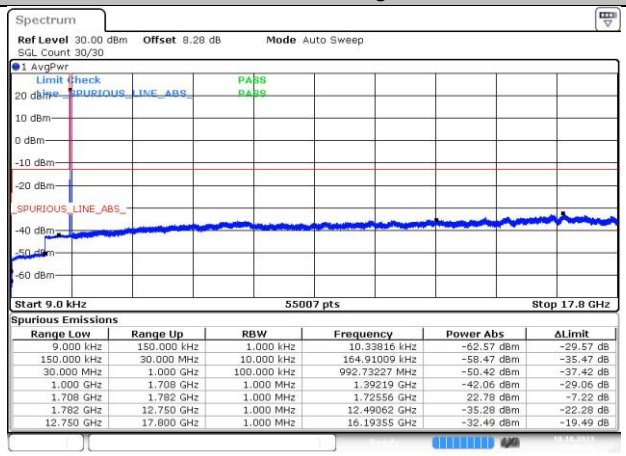
MCH / DFT-Pi2BPSK / Edge_1RB_Left



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	10.33816 kHz	-62.57 dBm	-29.57 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-58.47 dBm	-35.47 dB
30.000 MHz	1.000 GHz	100.000 kHz	992.73227 MHz	-50.42 dBm	-37.42 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.39219 GHz	-42.06 dBm	-29.06 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.72556 GHz	22.78 dBm	-7.22 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.49062 GHz	-35.28 dBm	-22.28 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.19355 GHz	-32.49 dBm	-19.49 dB

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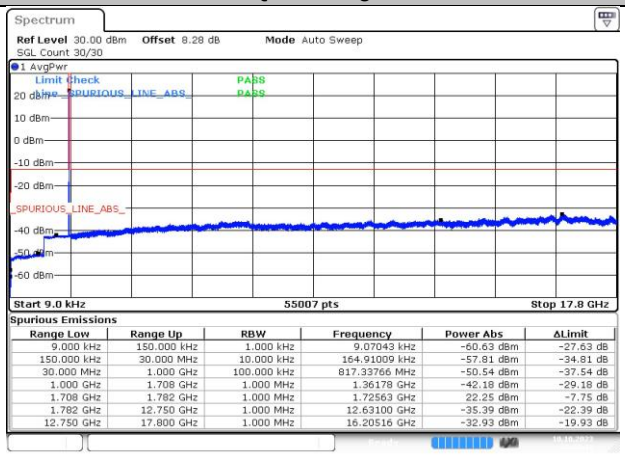
MCH / DFT-QPSK / Edge_1RB_Left



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	9.07043 kHz	-60.63 dBm	-27.63 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-57.81 dBm	-34.81 dB
30.000 MHz	1.000 GHz	100.000 kHz	817.33766 MHz	-50.54 dBm	-37.54 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.36178 GHz	-42.18 dBm	-29.18 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.72563 GHz	22.25 dBm	-7.75 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.63100 GHz	-35.39 dBm	-22.39 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.20516 GHz	-32.93 dBm	-19.93 dB

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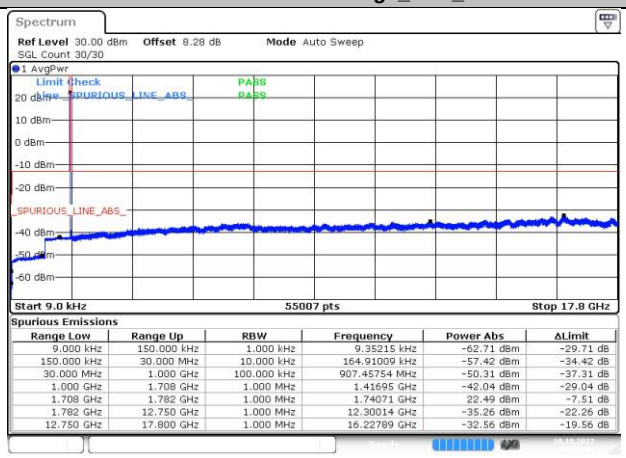
HCH / DFT-Pi2BPSK / Edge_1RB_Left



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	9.35215 kHz	-62.71 dBm	-29.71 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-57.42 dBm	-34.42 dB
30.000 MHz	1.000 GHz	100.000 kHz	907.45754 MHz	-50.31 dBm	-37.31 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.41695 GHz	-42.04 dBm	-29.04 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.74071 GHz	22.49 dBm	-7.51 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.30014 GHz	-35.26 dBm	-22.26 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.22789 GHz	-32.56 dBm	-19.56 dB

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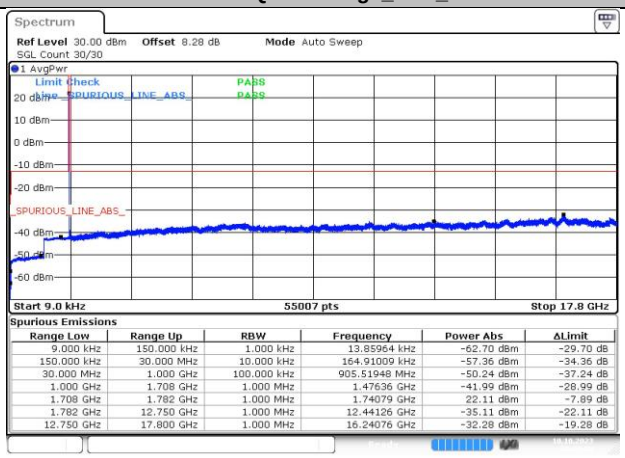
HCH / DFT-QPSK / Edge_1RB_Left



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	13.85964 kHz	-62.70 dBm	-29.70 dB
150.000 kHz	30.000 MHz	10.000 kHz	164.91009 kHz	-57.36 dBm	-34.36 dB
30.000 MHz	1.000 GHz	100.000 kHz	905.51948 MHz	-50.24 dBm	-37.24 dB
1.000 GHz	1.708 GHz	1.000 MHz	1.47636 GHz	-41.99 dBm	-28.99 dB
1.708 GHz	1.782 GHz	1.000 MHz	1.74079 GHz	22.11 dBm	-7.89 dB
1.782 GHz	12.750 GHz	1.000 MHz	12.44126 GHz	-35.11 dBm	-22.11 dB
12.750 GHz	17.800 GHz	1.000 MHz	16.24076 GHz	-32.28 dBm	-19.28 dB

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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	40MHz	MCH	Outer_Full	DFT-QPSK	NT	LV	-6.10	-0.003496	Pass
15KHz	40MHz	MCH	Outer_Full	DFT-QPSK	NT	NV	-5.40	-0.003095	Pass
15KHz	40MHz	MCH	Outer_Full	DFT-QPSK	NT	HV	-6.20	-0.003553	Pass

7.1.2. Frequency Error Vs Temperature

SCS	Bandwidth	Channel	RB Config	Modulation	Temperature	Voltage	Deviation Result		Verdict
							(Hz)	(ppm)	
15KHz	40MHz	MCH	Outer_Full	DFT-QPSK	-30℃	NV	-5.00	-0.002865	Pass
15KHz	40MHz	MCH	Outer_Full	DFT-QPSK	-20℃	NV	-2.80	-0.001605	Pass
15KHz	40MHz	MCH	Outer_Full	DFT-QPSK	-10℃	NV	-2.90	-0.001662	Pass
15KHz	40MHz	MCH	Outer_Full	DFT-QPSK	0℃	NV	1.90	0.001089	Pass
15KHz	40MHz	MCH	Outer_Full	DFT-QPSK	10℃	NV	-2.70	-0.001547	Pass
15KHz	40MHz	MCH	Outer_Full	DFT-QPSK	20℃	NV	-2.90	-0.001662	Pass
15KHz	40MHz	MCH	Outer_Full	DFT-QPSK	30℃	NV	-3.60	-0.002063	Pass
15KHz	40MHz	MCH	Outer_Full	DFT-QPSK	40℃	NV	-5.20	-0.002980	Pass
15KHz	40MHz	MCH	Outer_Full	DFT-QPSK	50℃	NV	-5.70	-0.003266	Pass

The End