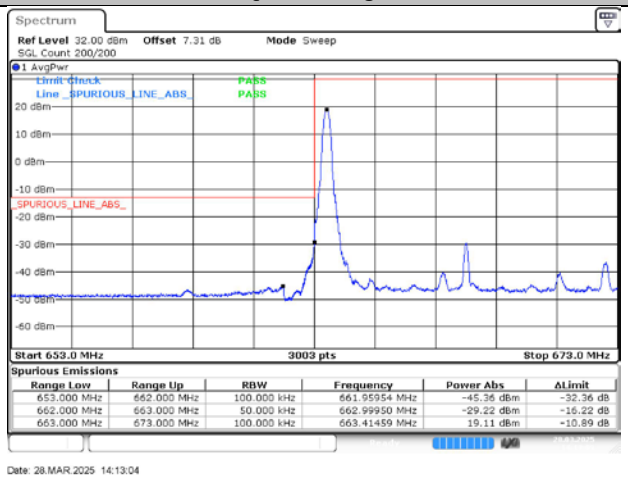
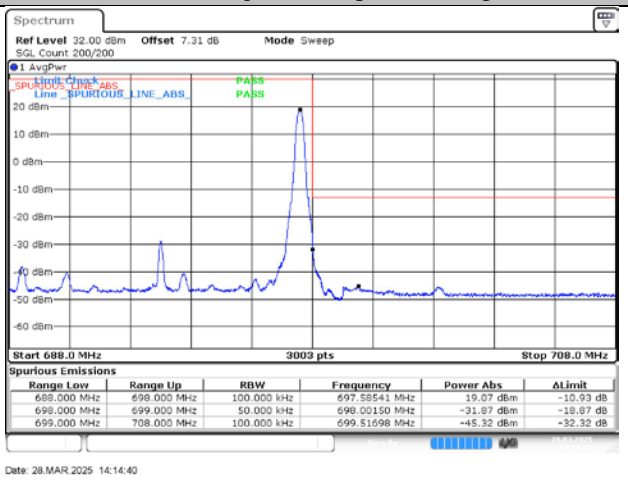
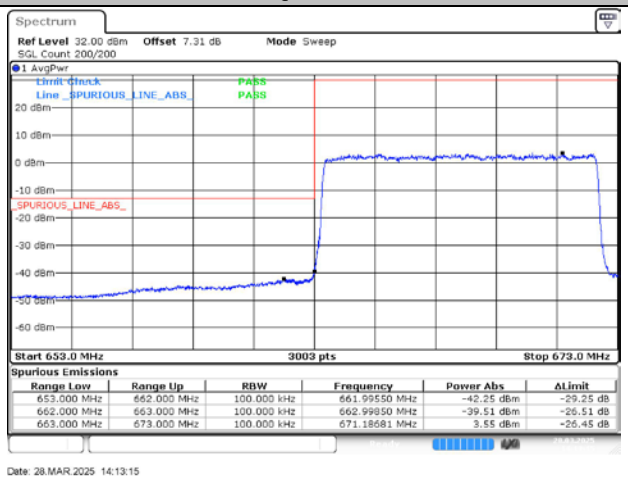
LCH / DFT-QPSK / Edge_1RB_Left



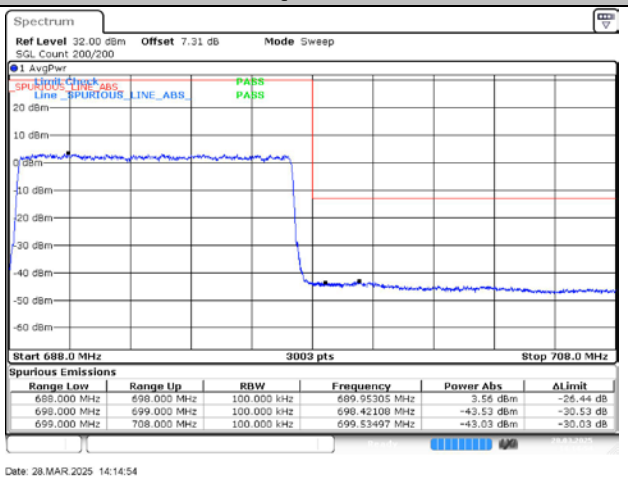
HCH / DFT-QPSK / Edge_1RB_Right



LCH / DFT-QPSK / Outer_Full

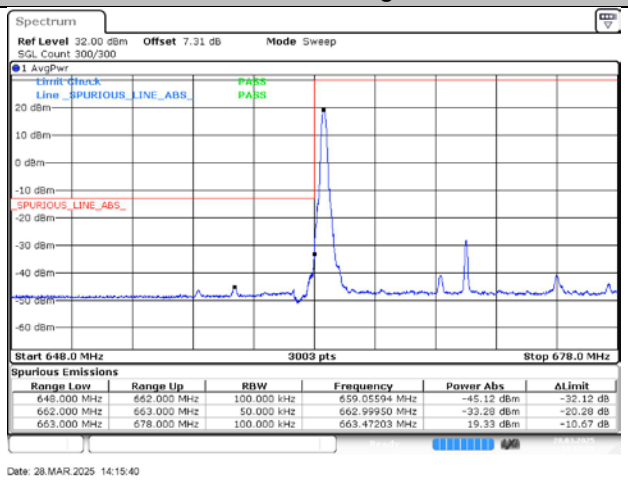


HCH / DFT-QPSK / Outer_Full

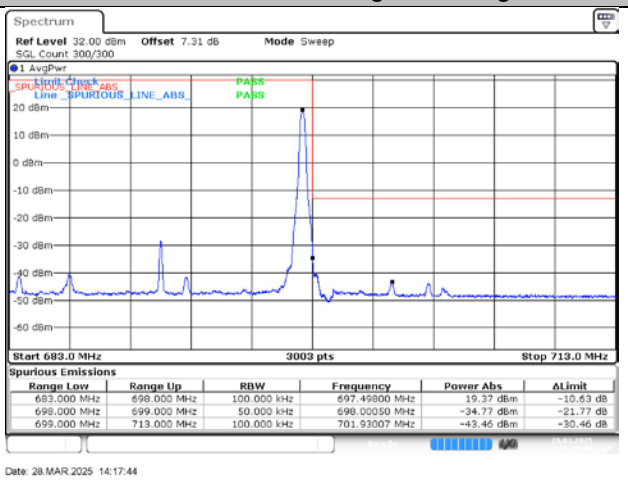


n71A / 15KHz / 15MHz

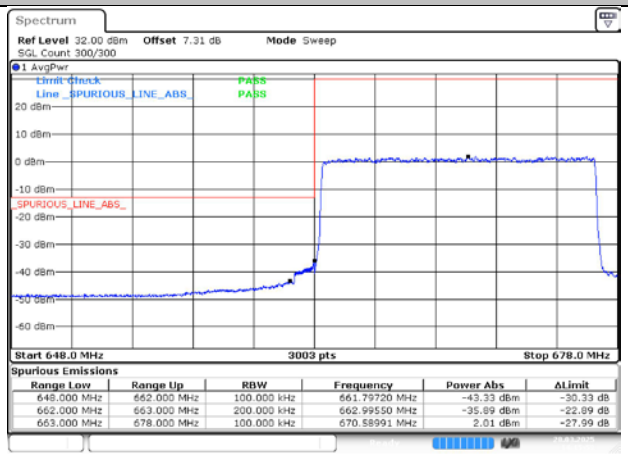
LCH / DFT-Pi2BPSK / Edge_1RB_Left



HCH / DFT-Pi2BPSK / Edge_1RB_Right



LCH / DFT-Pi2BPSK / Outer_Full

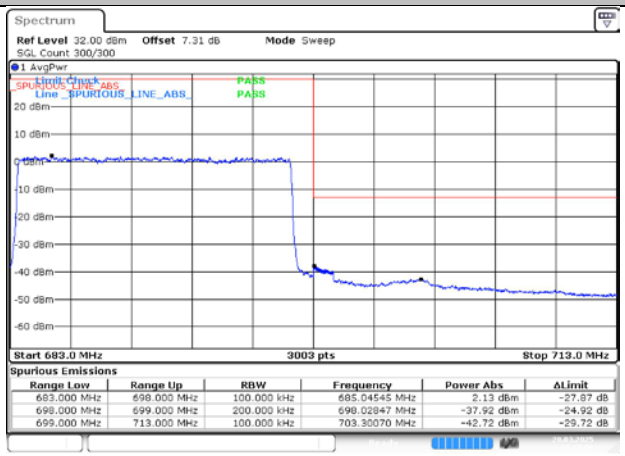


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
648.000 MHz	662.000 MHz	100.000 kHz	661.79720 MHz	-43.33 dBm	-30.33 dB
662.000 MHz	663.000 MHz	200.000 kHz	662.99550 MHz	-35.89 dBm	-22.89 dB
663.000 MHz	678.000 MHz	100.000 kHz	670.58991 MHz	2.01 dBm	-27.99 dB

Date: 28.MAR.2025 14:15:52

HCH / DFT-Pi2BPSK / Outer_Full

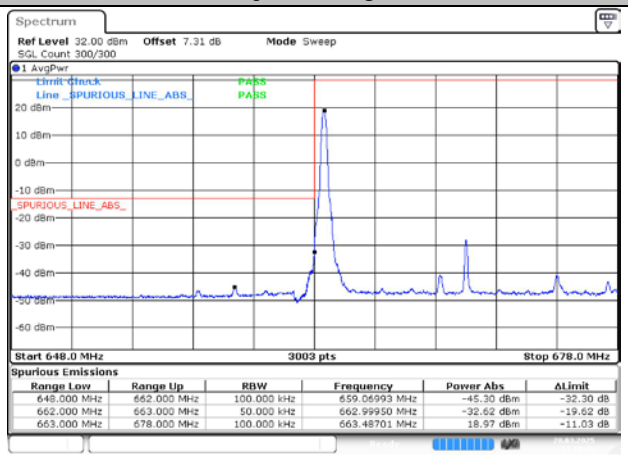


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
683.000 MHz	698.000 MHz	100.000 kHz	685.04545 MHz	2.13 dBm	-27.87 dB
698.000 MHz	699.000 MHz	200.000 kHz	698.02847 MHz	-37.92 dBm	-24.92 dB
699.000 MHz	713.000 MHz	100.000 kHz	703.30070 MHz	-42.72 dBm	-29.72 dB

Date: 28.MAR.2025 14:17:59

LCH / DFT-QPSK / Edge_1RB_Left

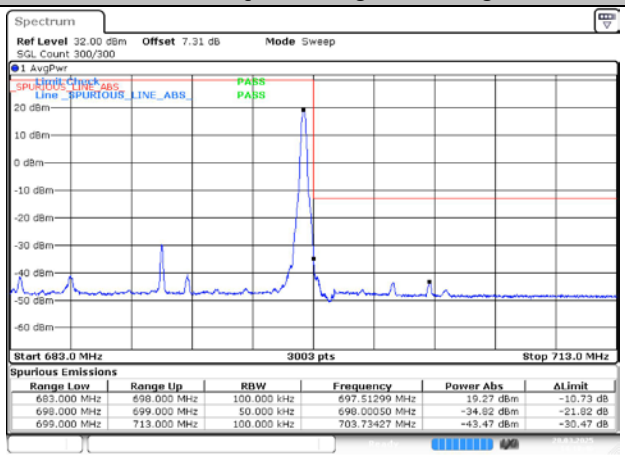


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
648.000 MHz	662.000 MHz	100.000 kHz	659.06993 MHz	-45.30 dBm	-32.30 dB
662.000 MHz	663.000 MHz	50.000 kHz	662.99950 MHz	-32.62 dBm	-19.62 dB
663.000 MHz	678.000 MHz	100.000 kHz	663.48701 MHz	18.97 dBm	-11.03 dB

Date: 28.MAR.2025 14:16:43

HCH / DFT-QPSK / Edge_1RB_Right

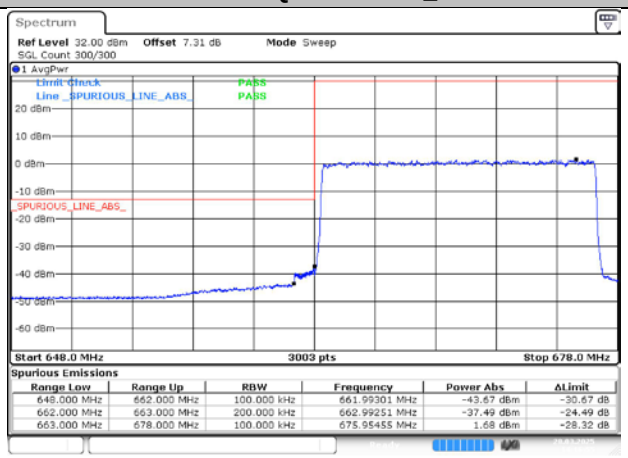


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
683.000 MHz	698.000 MHz	100.000 kHz	697.51299 MHz	19.27 dBm	-10.73 dB
698.000 MHz	699.000 MHz	50.000 kHz	698.00050 MHz	-34.82 dBm	-21.82 dB
699.000 MHz	713.000 MHz	100.000 kHz	703.73427 MHz	-43.47 dBm	-30.47 dB

Date: 28.MAR.2025 14:18:46

LCH / DFT-QPSK / Outer_Full

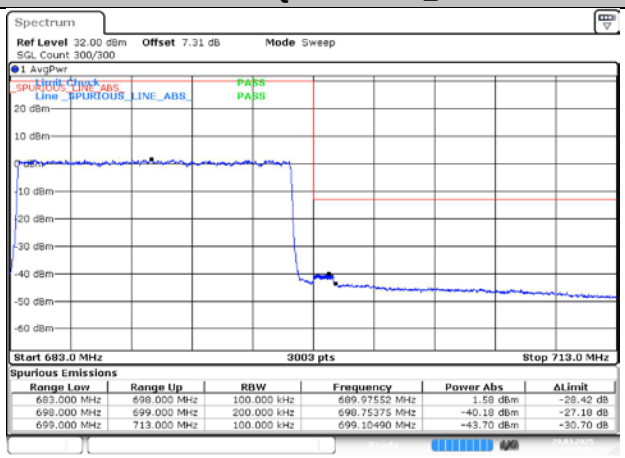


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
648.000 MHz	662.000 MHz	100.000 kHz	661.99301 MHz	-43.67 dBm	-30.67 dB
662.000 MHz	663.000 MHz	200.000 kHz	662.99251 MHz	-37.49 dBm	-24.49 dB
663.000 MHz	678.000 MHz	100.000 kHz	675.95455 MHz	1.68 dBm	-28.32 dB

Date: 28.MAR.2025 14:16:56

HCH / DFT-QPSK / Outer_Full



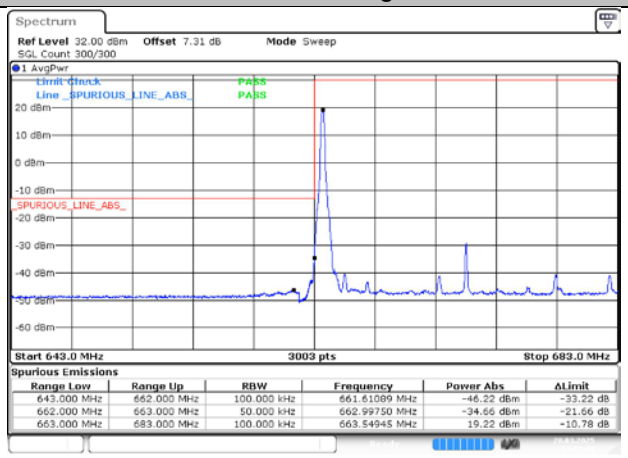
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
683.000 MHz	698.000 MHz	100.000 kHz	689.97552 MHz	1.58 dBm	-28.42 dB
698.000 MHz	699.000 MHz	200.000 kHz	698.75375 MHz	-40.18 dBm	-27.18 dB
699.000 MHz	713.000 MHz	100.000 kHz	699.10490 MHz	-43.70 dBm	-30.70 dB

Date: 28.MAR.2025 14:19:01

n71A / 15KHz / 20MHz

LCH / DFT-Pi2BPSK / Edge_1RB_Left

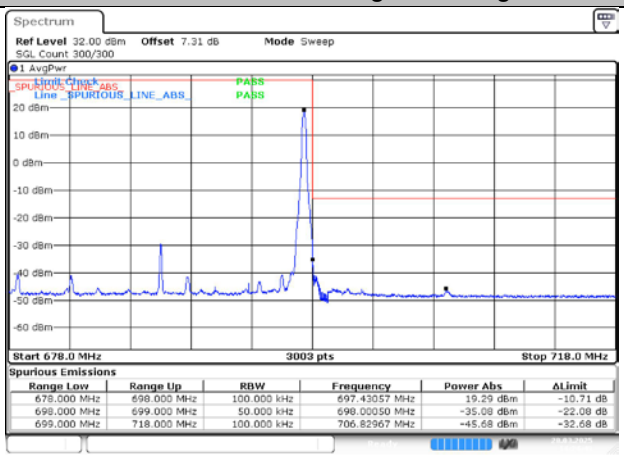


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
643.000 MHz	662.000 MHz	100.000 kHz	661.61089 MHz	-46.22 dBm	-33.22 dB
662.000 MHz	663.000 MHz	50.000 kHz	662.99750 MHz	-34.66 dBm	-21.66 dB
663.000 MHz	683.000 MHz	100.000 kHz	663.54945 MHz	19.22 dBm	-10.78 dB

Date: 28.MAR.2025 14:22:42

HCH / DFT-Pi2BPSK / Edge_1RB_Right

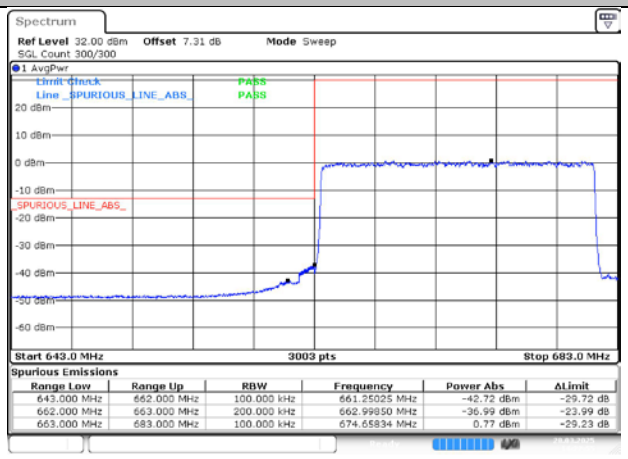


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
678.000 MHz	698.000 MHz	100.000 kHz	697.43057 MHz	19.29 dBm	-10.71 dB
698.000 MHz	699.000 MHz	50.000 kHz	698.00050 MHz	-35.08 dBm	-22.08 dB
699.000 MHz	718.000 MHz	100.000 kHz	706.82967 MHz	-45.68 dBm	-32.68 dB

Date: 28.MAR.2025 14:24:43

LCH / DFT-Pi2BPSK / Outer_Full

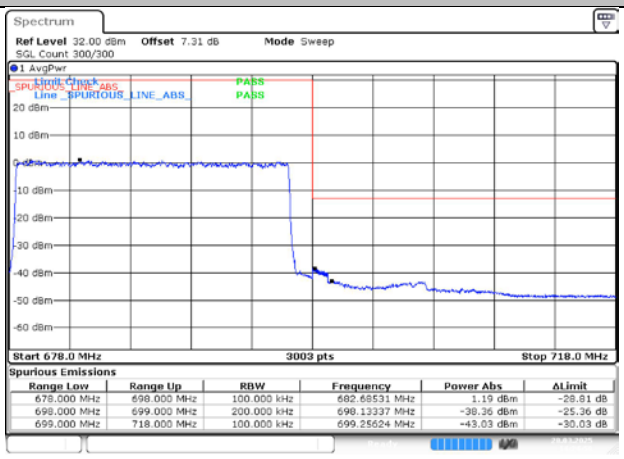


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
643.000 MHz	662.000 MHz	100.000 kHz	661.25025 MHz	-42.72 dBm	-29.72 dB
662.000 MHz	663.000 MHz	200.000 kHz	662.99850 MHz	-36.99 dBm	-23.99 dB
663.000 MHz	683.000 MHz	100.000 kHz	674.65834 MHz	0.77 dBm	-29.23 dB

Date: 28.MAR.2025 14:22:55

HCH / DFT-Pi2BPSK / Outer_Full

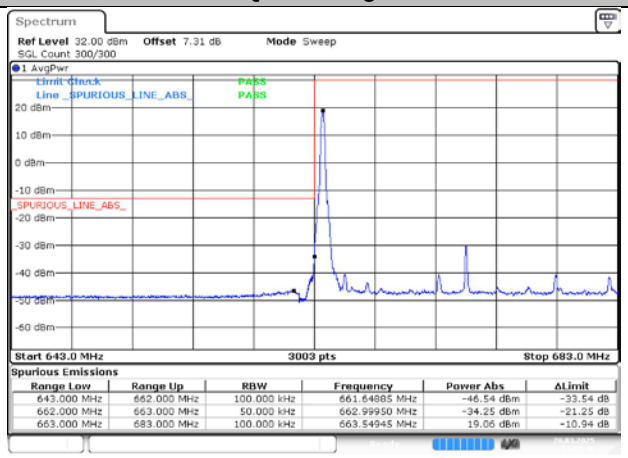


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
678.000 MHz	698.000 MHz	100.000 kHz	682.68531 MHz	1.19 dBm	-28.81 dB
698.000 MHz	699.000 MHz	200.000 kHz	698.13337 MHz	-38.36 dBm	-25.36 dB
699.000 MHz	718.000 MHz	100.000 kHz	699.25624 MHz	-43.03 dBm	-30.03 dB

Date: 28.MAR.2025 14:24:58

LCH / DFT-QPSK / Edge_1RB_Left

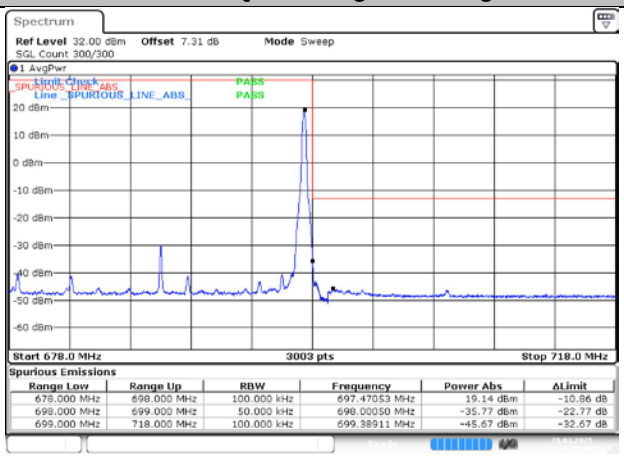


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
643.000 MHz	662.000 MHz	100.000 kHz	661.64885 MHz	-46.54 dBm	-33.54 dB
662.000 MHz	663.000 MHz	50.000 kHz	662.99950 MHz	-34.25 dBm	-21.25 dB
663.000 MHz	683.000 MHz	100.000 kHz	663.54945 MHz	19.06 dBm	-10.94 dB

Date: 28.MAR.2025 14:23:40

HCH / DFT-QPSK / Edge_1RB_Right

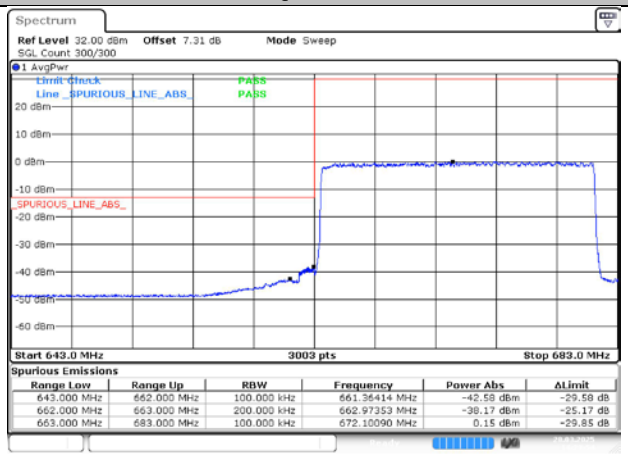


Spurious Emissions

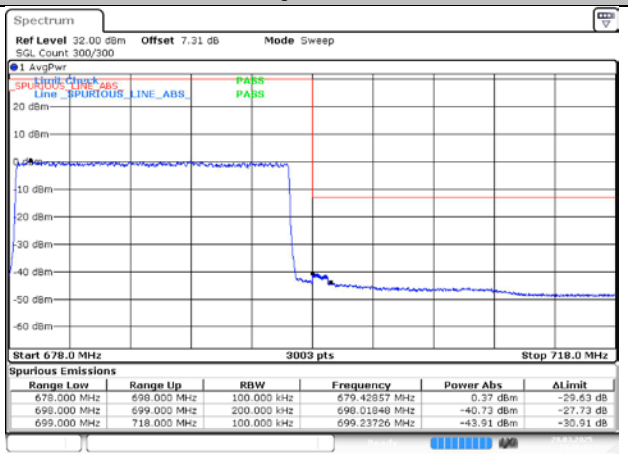
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
678.000 MHz	698.000 MHz	100.000 kHz	697.47053 MHz	19.14 dBm	-10.86 dB
698.000 MHz	699.000 MHz	50.000 kHz	698.00050 MHz	-35.77 dBm	-22.77 dB
699.000 MHz	718.000 MHz	100.000 kHz	699.38911 MHz	-45.67 dBm	-32.67 dB

Date: 28.MAR.2025 14:25:46

LCH / DFT-QPSK / Outer_Full



HCH / DFT-QPSK / Outer_Full

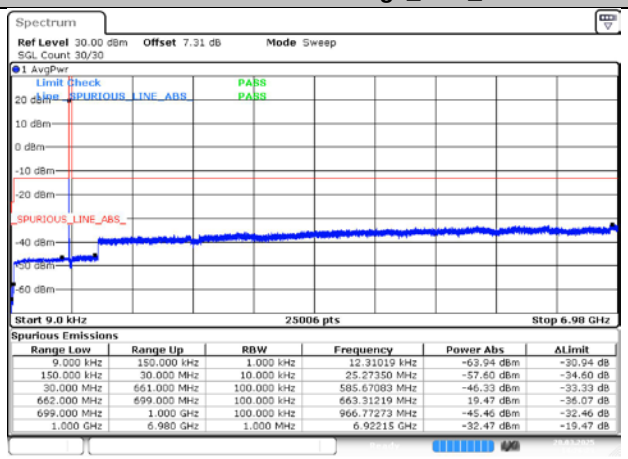


6. Conducted Spurious Emission

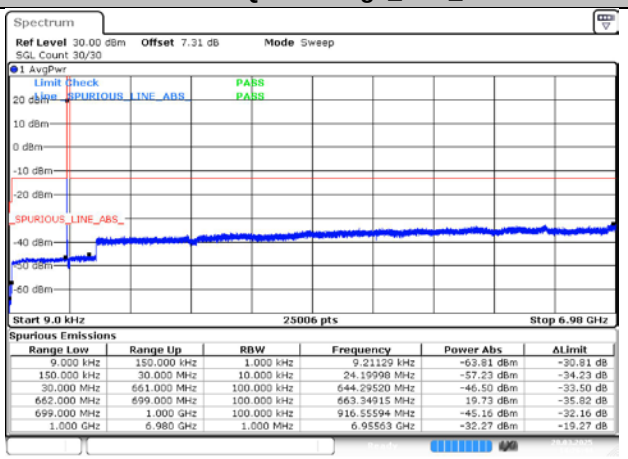
6.1. Test Plots for SCS=15KHz

n71A / 15KHz / 5MHz

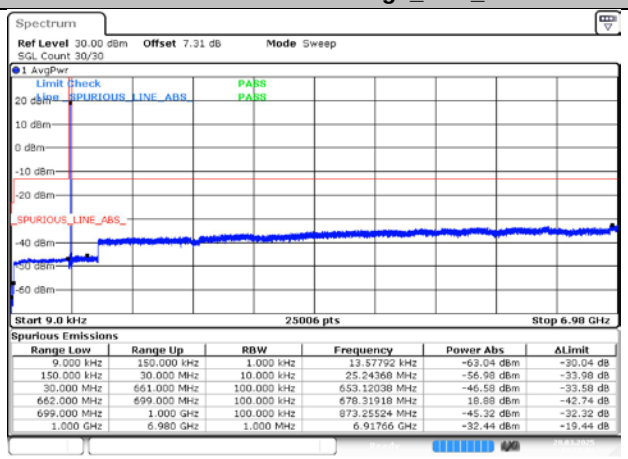
LCH / DFT-Pi2BPSK / Edge_1RB_Left



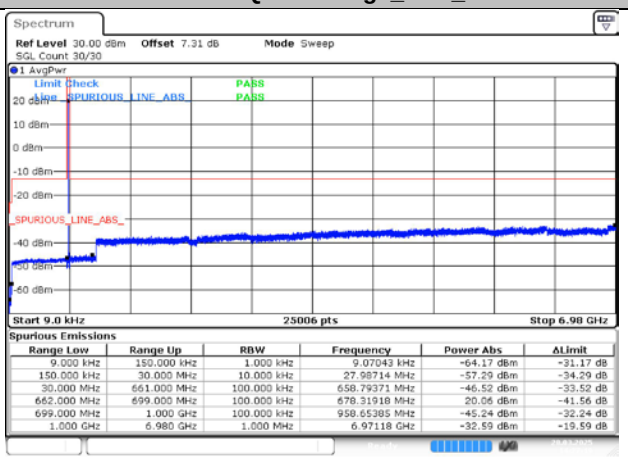
LCH / DFT-QPSK / Edge_1RB_Left



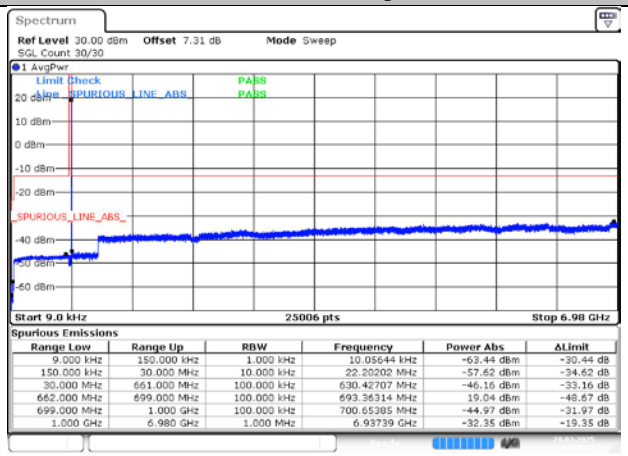
MCH / DFT-Pi2BPSK / Edge_1RB_Left



MCH / DFT-QPSK / Edge_1RB_Left



HCH / DFT-Pi2BPSK / Edge_1RB_Left

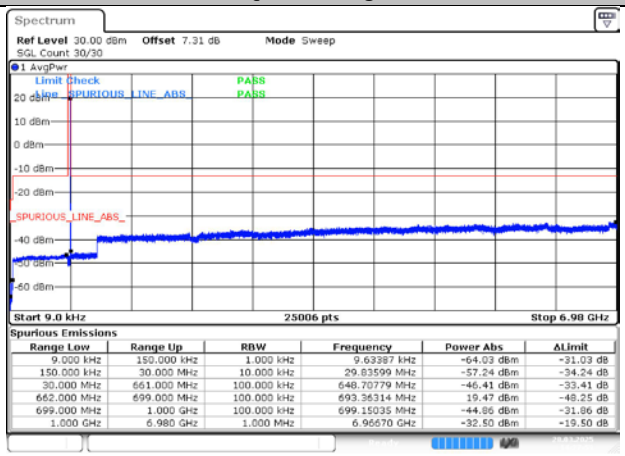


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	10.05644 kHz	-63.44 dBm	-30.44 dB
150.000 kHz	30.000 MHz	10.000 kHz	22.20202 MHz	-57.62 dBm	-34.62 dB
30.000 MHz	661.000 MHz	100.000 kHz	630.42707 MHz	-46.16 dBm	-33.16 dB
662.000 MHz	699.000 MHz	100.000 kHz	693.36314 MHz	19.04 dBm	-48.67 dB
699.000 MHz	1.000 GHz	100.000 kHz	700.65385 MHz	-44.97 dBm	-31.97 dB
1.000 GHz	6.980 GHz	1.000 MHz	6.93739 GHz	-32.35 dBm	-19.35 dB

Date: 28.MAR.2025 14:27:37

HCH / DFT-QPSK / Edge_1RB_Left



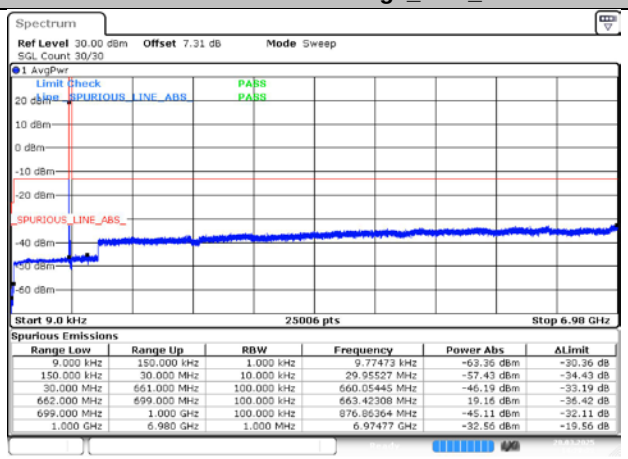
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	9.63387 kHz	-64.03 dBm	-31.03 dB
150.000 kHz	30.000 MHz	10.000 kHz	29.83599 MHz	-57.24 dBm	-34.24 dB
30.000 MHz	661.000 MHz	100.000 kHz	648.70779 MHz	-46.41 dBm	-33.41 dB
662.000 MHz	699.000 MHz	100.000 kHz	693.36314 MHz	19.47 dBm	-48.25 dB
699.000 MHz	1.000 GHz	100.000 kHz	699.15035 MHz	-44.86 dBm	-31.86 dB
1.000 GHz	6.980 GHz	1.000 MHz	6.96670 GHz	-32.50 dBm	-19.50 dB

Date: 28.MAR.2025 14:27:54

n71A / 15KHz / 10MHz

LCH / DFT-Pi2BPSK / Edge_1RB_Left

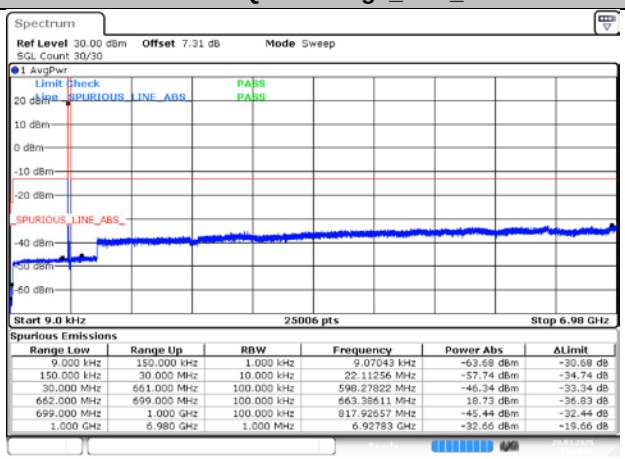


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	9.77473 kHz	-63.36 dBm	-30.36 dB
150.000 kHz	30.000 MHz	10.000 kHz	29.95527 MHz	-57.43 dBm	-34.43 dB
30.000 MHz	661.000 MHz	100.000 kHz	660.05445 MHz	-46.19 dBm	-33.19 dB
662.000 MHz	699.000 MHz	100.000 kHz	663.42308 MHz	19.16 dBm	-36.42 dB
699.000 MHz	1.000 GHz	100.000 kHz	876.86364 MHz	-45.11 dBm	-32.11 dB
1.000 GHz	6.980 GHz	1.000 MHz	6.97477 GHz	-32.56 dBm	-19.56 dB

Date: 28.MAR.2025 14:28:21

LCH / DFT-QPSK / Edge_1RB_Left

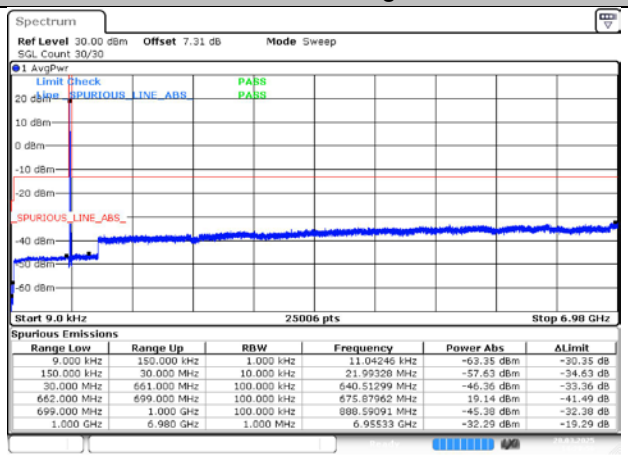


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	9.07043 kHz	-63.68 dBm	-30.68 dB
150.000 kHz	30.000 MHz	10.000 kHz	22.11256 MHz	-57.74 dBm	-34.74 dB
30.000 MHz	661.000 MHz	100.000 kHz	598.27822 MHz	-46.34 dBm	-33.34 dB
662.000 MHz	699.000 MHz	100.000 kHz	663.38611 MHz	18.73 dBm	-36.83 dB
699.000 MHz	1.000 GHz	100.000 kHz	817.92657 MHz	-45.44 dBm	-32.44 dB
1.000 GHz	6.980 GHz	1.000 MHz	6.92783 GHz	-32.66 dBm	-19.66 dB

Date: 28.MAR.2025 14:28:38

MCH / DFT-Pi2BPSK / Edge_1RB_Left

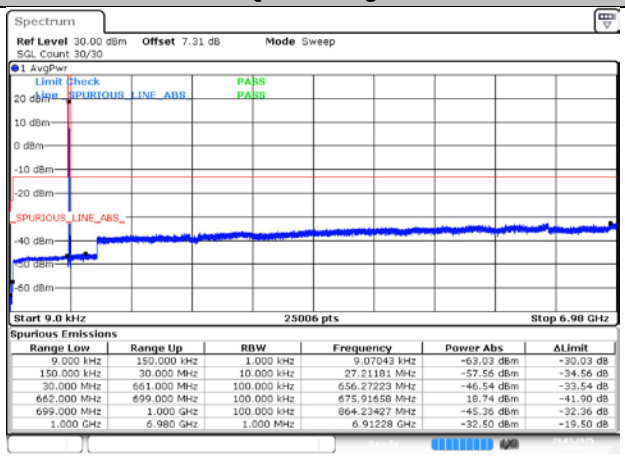


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	11.04246 kHz	-63.35 dBm	-30.35 dB
150.000 kHz	30.000 MHz	10.000 kHz	21.99328 MHz	-57.63 dBm	-34.63 dB
30.000 MHz	661.000 MHz	100.000 kHz	640.51299 MHz	-46.36 dBm	-33.36 dB
662.000 MHz	699.000 MHz	100.000 kHz	675.87962 MHz	19.14 dBm	-41.49 dB
699.000 MHz	1.000 GHz	100.000 kHz	888.59091 MHz	-45.38 dBm	-32.38 dB
1.000 GHz	6.980 GHz	1.000 MHz	6.95533 GHz	-32.29 dBm	-19.29 dB

Date: 28.MAR.2025 14:28:56

MCH / DFT-QPSK / Edge_1RB_Left

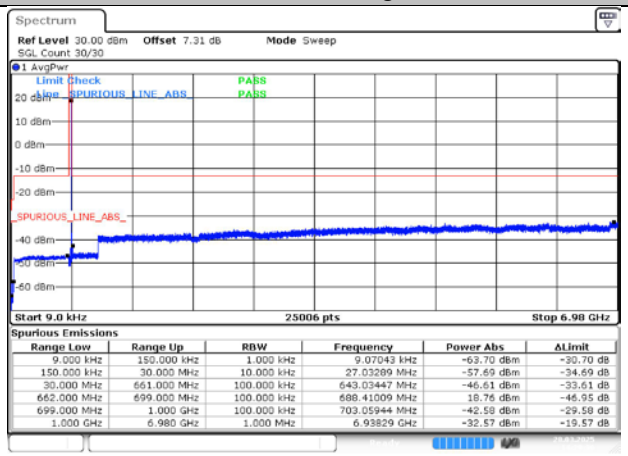


Spurious Emissions

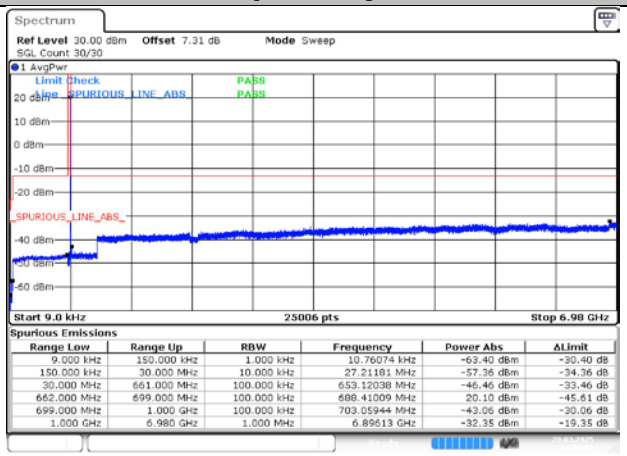
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	9.07043 kHz	-63.03 dBm	-30.03 dB
150.000 kHz	30.000 MHz	10.000 kHz	27.21181 MHz	-57.56 dBm	-34.56 dB
30.000 MHz	661.000 MHz	100.000 kHz	656.27223 MHz	-46.54 dBm	-33.54 dB
662.000 MHz	699.000 MHz	100.000 kHz	675.91658 MHz	18.74 dBm	-41.90 dB
699.000 MHz	1.000 GHz	100.000 kHz	864.23427 MHz	-45.36 dBm	-32.36 dB
1.000 GHz	6.980 GHz	1.000 MHz	6.91228 GHz	-32.50 dBm	-19.50 dB

Date: 28.MAR.2025 14:29:12

HCH / DFT-Pi2BPSK / Edge_1RB_Left

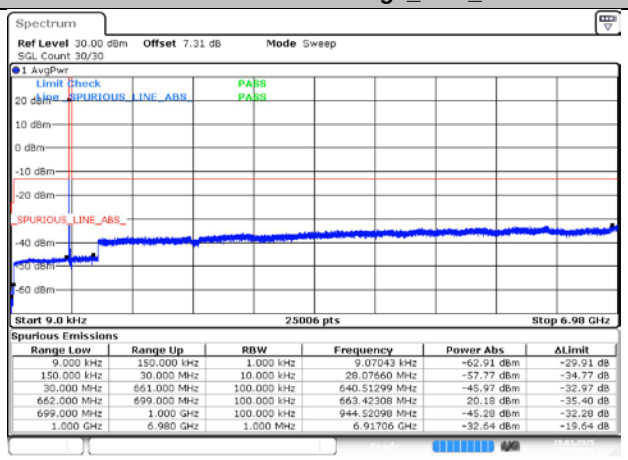


HCH / DFT-QPSK / Edge_1RB_Left

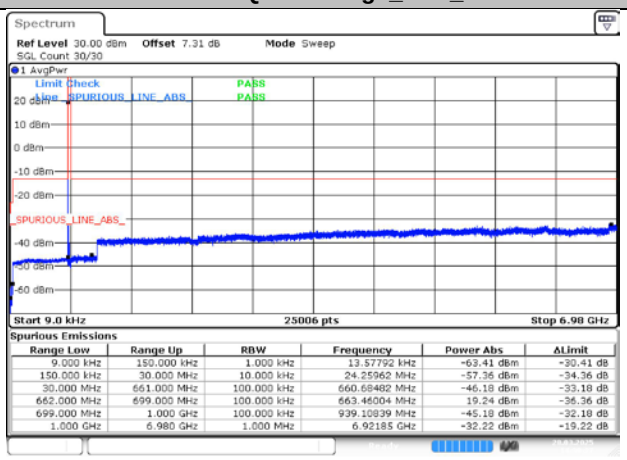


n71A / 15KHz / 15MHz

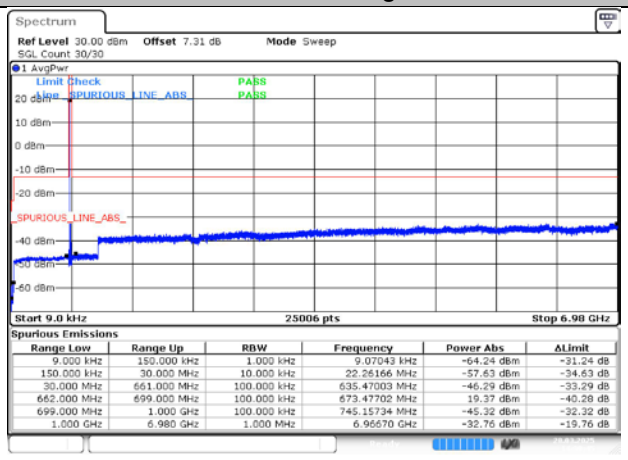
LCH / DFT-Pi2BPSK / Edge_1RB_Left



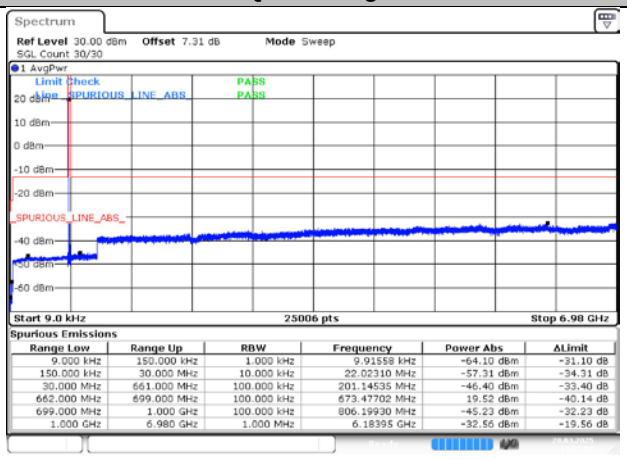
LCH / DFT-QPSK / Edge_1RB_Left



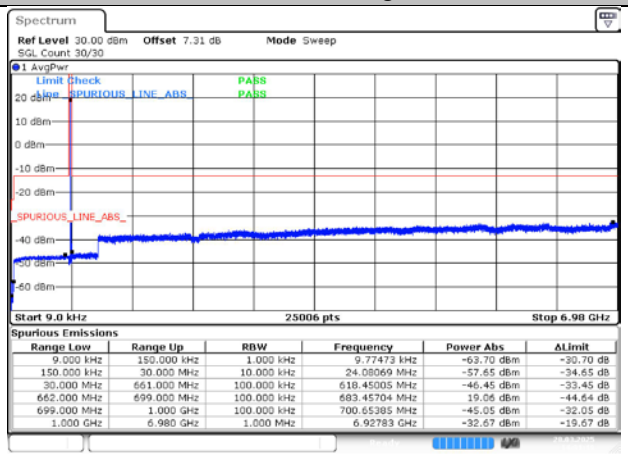
MCH / DFT-Pi2BPSK / Edge_1RB_Left



MCH / DFT-QPSK / Edge_1RB_Left



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	9.77473 kHz	-63.70 dBm	-30.70 dB
150.000 kHz	30.000 MHz	10.000 kHz	24.08069 MHz	-57.65 dBm	-34.65 dB
30.000 MHz	661.000 MHz	100.000 kHz	618.45005 MHz	-46.45 dBm	-33.45 dB
662.000 MHz	699.000 MHz	100.000 kHz	683.45704 MHz	19.06 dBm	-44.64 dB
699.000 MHz	1.000 GHz	100.000 kHz	700.65385 MHz	-45.05 dBm	-32.05 dB
1.000 GHz	6.980 GHz	1.000 MHz	6.92783 GHz	-32.67 dBm	-19.67 dB

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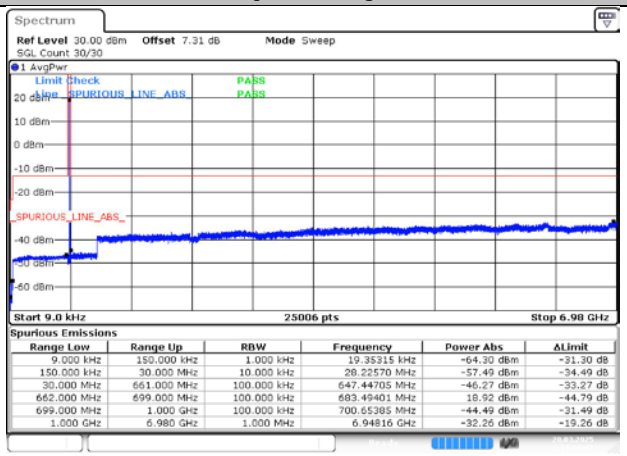
HCH / DFT-QPSK / Edge_1RB_Left



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	19.35315 kHz	-64.30 dBm	-31.30 dB
150.000 kHz	30.000 MHz	10.000 kHz	28.22570 MHz	-57.49 dBm	-34.49 dB
30.000 MHz	661.000 MHz	100.000 kHz	647.44705 MHz	-46.27 dBm	-33.27 dB
662.000 MHz	699.000 MHz	100.000 kHz	683.49401 MHz	18.92 dBm	-44.79 dB
699.000 MHz	1.000 GHz	100.000 kHz	700.65385 MHz	-44.49 dBm	-31.49 dB
1.000 GHz	6.980 GHz	1.000 MHz	6.94816 GHz	-32.26 dBm	-19.26 dB

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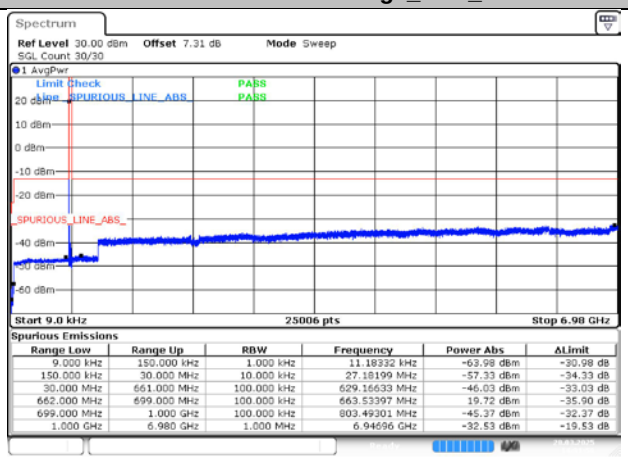
n71A / 15KHz / 20MHz

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	11.18332 kHz	-63.98 dBm	-30.98 dB
150.000 kHz	30.000 MHz	10.000 kHz	27.18199 MHz	-57.33 dBm	-34.33 dB
30.000 MHz	661.000 MHz	100.000 kHz	629.16633 MHz	-46.03 dBm	-33.03 dB
662.000 MHz	699.000 MHz	100.000 kHz	663.53397 MHz	19.72 dBm	-35.90 dB
699.000 MHz	1.000 GHz	100.000 kHz	803.49301 MHz	-45.37 dBm	-32.37 dB
1.000 GHz	6.980 GHz	1.000 MHz	6.94696 GHz	-32.53 dBm	-19.53 dB

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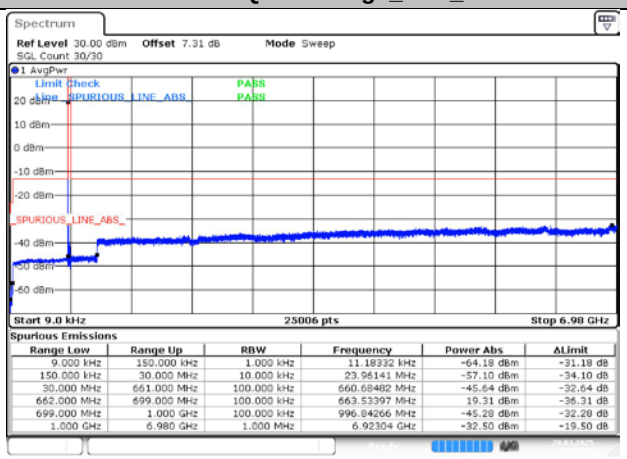
LCH / DFT-QPSK / Edge_1RB_Left



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	11.18332 kHz	-64.18 dBm	-31.18 dB
150.000 kHz	30.000 MHz	10.000 kHz	23.96141 MHz	-57.10 dBm	-34.10 dB
30.000 MHz	661.000 MHz	100.000 kHz	660.68482 MHz	-45.64 dBm	-32.64 dB
662.000 MHz	699.000 MHz	100.000 kHz	663.53397 MHz	19.31 dBm	-36.31 dB
699.000 MHz	1.000 GHz	100.000 kHz	996.84266 MHz	-45.28 dBm	-32.28 dB
1.000 GHz	6.980 GHz	1.000 MHz	6.92304 GHz	-32.50 dBm	-19.50 dB

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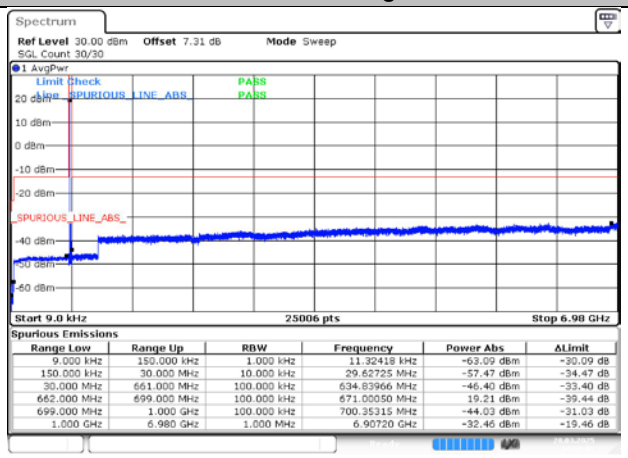
MCH / DFT-Pi2BPSK / Edge_1RB_Left



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	11.32418 kHz	-63.09 dBm	-30.09 dB
150.000 kHz	30.000 MHz	10.000 kHz	29.62725 MHz	-57.47 dBm	-34.47 dB
30.000 MHz	661.000 MHz	100.000 kHz	634.83966 MHz	-46.40 dBm	-33.40 dB
662.000 MHz	699.000 MHz	100.000 kHz	671.00050 MHz	19.21 dBm	-39.44 dB
699.000 MHz	1.000 GHz	100.000 kHz	700.35315 MHz	-44.03 dBm	-31.03 dB
1.000 GHz	6.980 GHz	1.000 MHz	6.90720 GHz	-32.46 dBm	-19.46 dB

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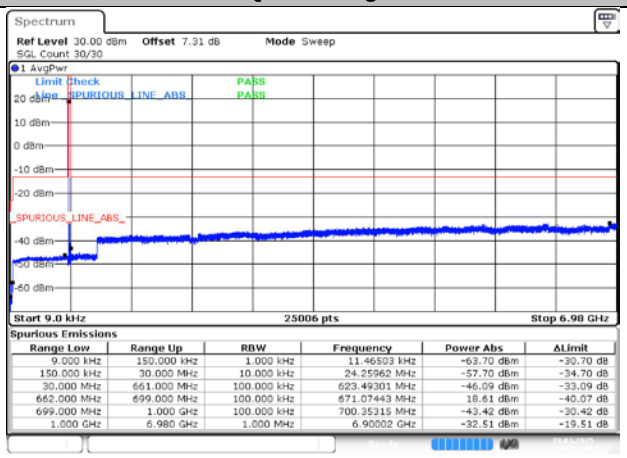
MCH / DFT-QPSK / Edge_1RB_Left



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
9.000 kHz	150.000 kHz	1.000 kHz	11.46503 kHz	-63.70 dBm	-30.70 dB
150.000 kHz	30.000 MHz	10.000 kHz	24.25962 MHz	-57.70 dBm	-34.70 dB
30.000 MHz	661.000 MHz	100.000 kHz	623.49301 MHz	-46.09 dBm	-33.09 dB
662.000 MHz	699.000 MHz	100.000 kHz	671.07443 MHz	18.61 dBm	-40.07 dB
699.000 MHz	1.000 GHz	100.000 kHz	700.35315 MHz	-43.42 dBm	-30.42 dB
1.000 GHz	6.980 GHz	1.000 MHz	6.90002 GHz	-32.51 dBm	-19.51 dB

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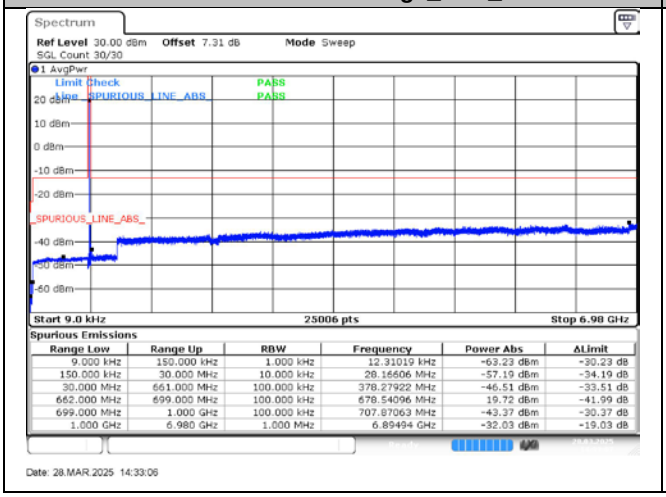
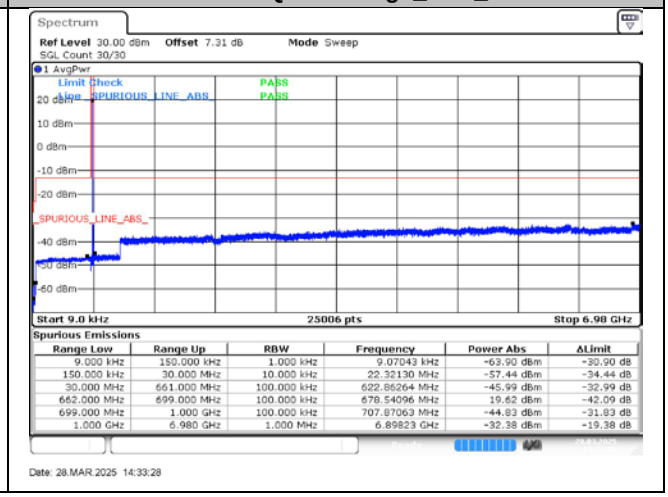
HCH / DFT-Pi2BPSK / Edge_1RB_Left	HCH / DFT-QPSK / Edge_1RB_Left
	

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	-6.50	-0.009552	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	NT	NV	-7.20	-0.010580	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	NT	HV	-5.60	-0.008229	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	-5.70	-0.008376	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	-20℃	NV	-4.80	-0.007054	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	-10℃	NV	-8.40	-0.012344	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	0℃	NV	-6.40	-0.009405	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	10℃	NV	-6.00	-0.008817	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	20℃	NV	-7.90	-0.011609	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	30℃	NV	-6.60	-0.009699	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	40℃	NV	-5.50	-0.008082	Pass
15KHz	20MHz	MCH	Outer_Full	DFT-QPSK	50℃	NV	-8.00	-0.011756	Pass

The End

Appendix
for
n77A
(3700-3980)

Catalogue

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1. Effective Isotropic Radiated Power

1.1. Test Results @ Ant5 (Antenna Gain=-1.20dBi)

SCS	Bandwidth	Channel	Modulation	Conducted Result (dBm)			Max EIRP (dBm)	Limit (dBm)	Verdict
				Inner_1RB_Left	Inner_1RB_Right	Inner_Full			
30KHz	10MHz	LCH	DFT-Pi2BPSK	25.81	25.86	25.92	24.72	30.00	Pass
30KHz	10MHz	LCH	DFT-QPSK	25.82	25.84	25.82	24.64	30.00	Pass
30KHz	10MHz	LCH	DFT-16QAM	24.75	24.81	24.92	23.72	30.00	Pass
30KHz	10MHz	LCH	DFT-64QAM	23.44	23.45	23.54	22.34	30.00	Pass
30KHz	10MHz	LCH	DFT-256QAM	21.34	21.39	21.68	20.48	30.00	Pass
30KHz	10MHz	LCH	CP-QPSK	24.16	24.21	24.28	23.08	30.00	Pass
30KHz	10MHz	MCH	DFT-Pi2BPSK	25.53	25.69	25.65	24.49	30.00	Pass
30KHz	10MHz	MCH	DFT-QPSK	25.46	25.66	25.70	24.50	30.00	Pass
30KHz	10MHz	MCH	DFT-16QAM	24.40	24.64	24.66	23.46	30.00	Pass
30KHz	10MHz	MCH	DFT-64QAM	23.11	23.27	23.24	22.07	30.00	Pass
30KHz	10MHz	MCH	DFT-256QAM	20.98	21.23	21.38	20.18	30.00	Pass
30KHz	10MHz	MCH	CP-QPSK	23.93	24.18	24.10	22.98	30.00	Pass
30KHz	10MHz	HCH	DFT-Pi2BPSK	25.94	25.90	25.97	24.77	30.00	Pass
30KHz	10MHz	HCH	DFT-QPSK	25.95	25.87	26.01	24.81	30.00	Pass
30KHz	10MHz	HCH	DFT-16QAM	24.89	24.79	25.01	23.81	30.00	Pass
30KHz	10MHz	HCH	DFT-64QAM	23.59	23.47	23.57	22.39	30.00	Pass
30KHz	10MHz	HCH	DFT-256QAM	21.52	21.46	21.74	20.54	30.00	Pass
30KHz	10MHz	HCH	CP-QPSK	24.32	24.28	24.28	23.12	30.00	Pass
30KHz	15MHz	LCH	DFT-Pi2BPSK	25.83	25.90	25.92	24.72	30.00	Pass
30KHz	15MHz	LCH	DFT-QPSK	25.84	25.85	25.98	24.78	30.00	Pass
30KHz	15MHz	LCH	DFT-16QAM	24.79	24.79	24.95	23.75	30.00	Pass
30KHz	15MHz	LCH	DFT-64QAM	23.52	23.55	23.55	22.35	30.00	Pass
30KHz	15MHz	LCH	DFT-256QAM	21.47	21.48	21.57	20.37	30.00	Pass
30KHz	15MHz	LCH	CP-QPSK	24.18	24.29	24.38	23.18	30.00	Pass
30KHz	15MHz	MCH	DFT-Pi2BPSK	25.50	25.83	25.72	24.63	30.00	Pass
30KHz	15MHz	MCH	DFT-QPSK	25.47	25.80	25.75	24.60	30.00	Pass
30KHz	15MHz	MCH	DFT-16QAM	24.32	24.55	24.70	23.50	30.00	Pass
30KHz	15MHz	MCH	DFT-64QAM	23.11	23.42	23.33	22.22	30.00	Pass
30KHz	15MHz	MCH	DFT-256QAM	21.02	21.35	21.26	20.15	30.00	Pass
30KHz	15MHz	MCH	CP-QPSK	23.92	24.24	24.09	23.04	30.00	Pass
30KHz	15MHz	HCH	DFT-Pi2BPSK	25.89	25.93	26.00	24.80	30.00	Pass
30KHz	15MHz	HCH	DFT-QPSK	25.83	25.89	25.99	24.79	30.00	Pass
30KHz	15MHz	HCH	DFT-16QAM	24.76	24.76	25.02	23.82	30.00	Pass
30KHz	15MHz	HCH	DFT-64QAM	23.50	23.56	23.67	22.47	30.00	Pass
30KHz	15MHz	HCH	DFT-256QAM	21.51	21.51	21.54	20.34	30.00	Pass
30KHz	15MHz	HCH	CP-QPSK	24.36	24.41	24.47	23.27	30.00	Pass
30KHz	20MHz	LCH	DFT-Pi2BPSK	25.82	25.83	25.93	24.73	30.00	Pass
30KHz	20MHz	LCH	DFT-QPSK	25.81	25.83	25.96	24.76	30.00	Pass
30KHz	20MHz	LCH	DFT-16QAM	24.77	24.80	24.95	23.75	30.00	Pass
30KHz	20MHz	LCH	DFT-64QAM	23.47	23.48	23.50	22.30	30.00	Pass
30KHz	20MHz	LCH	DFT-256QAM	21.37	21.45	21.49	20.29	30.00	Pass
30KHz	20MHz	LCH	CP-QPSK	24.16	24.21	24.42	23.22	30.00	Pass
30KHz	20MHz	MCH	DFT-Pi2BPSK	25.42	25.88	25.71	24.68	30.00	Pass
30KHz	20MHz	MCH	DFT-QPSK	25.37	25.78	25.73	24.58	30.00	Pass
30KHz	20MHz	MCH	DFT-16QAM	24.28	24.72	24.71	23.52	30.00	Pass
30KHz	20MHz	MCH	DFT-64QAM	23.06	23.47	23.22	22.27	30.00	Pass
30KHz	20MHz	MCH	DFT-256QAM	20.96	21.43	21.22	20.23	30.00	Pass
30KHz	20MHz	MCH	CP-QPSK	23.83	24.24	24.16	23.04	30.00	Pass
30KHz	20MHz	HCH	DFT-Pi2BPSK	25.90	25.92	26.04	24.84	30.00	Pass
30KHz	20MHz	HCH	DFT-QPSK	25.86	25.87	26.06	24.86	30.00	Pass
30KHz	20MHz	HCH	DFT-16QAM	24.77	24.79	25.02	23.82	30.00	Pass
30KHz	20MHz	HCH	DFT-64QAM	23.55	23.58	23.59	22.39	30.00	Pass
30KHz	20MHz	HCH	DFT-256QAM	21.48	21.54	21.62	20.42	30.00	Pass
30KHz	20MHz	HCH	CP-QPSK	24.34	24.37	24.51	23.31	30.00	Pass
30KHz	25MHz	LCH	DFT-Pi2BPSK	25.84	25.92	25.95	24.75	30.00	Pass
30KHz	25MHz	LCH	DFT-QPSK	25.79	25.89	25.90	24.70	30.00	Pass
30KHz	25MHz	LCH	DFT-16QAM	24.82	24.82	24.94	23.74	30.00	Pass
30KHz	25MHz	LCH	DFT-64QAM	23.57	23.56	23.47	22.37	30.00	Pass
30KHz	25MHz	LCH	DFT-256QAM	21.38	21.56	21.43	20.36	30.00	Pass

30KHz	25MHz	LCH	CP-QPSK	24.21	24.26	24.37	23.17	30.00	Pass
30KHz	25MHz	MCH	DFT-Pi2BPSK	25.34	25.93	25.67	24.73	30.00	Pass
30KHz	25MHz	MCH	DFT-QPSK	25.34	25.86	25.68	24.66	30.00	Pass
30KHz	25MHz	MCH	DFT-16QAM	24.21	24.72	24.66	23.52	30.00	Pass
30KHz	25MHz	MCH	DFT-64QAM	22.92	23.47	23.23	22.27	30.00	Pass
30KHz	25MHz	MCH	DFT-256QAM	20.84	21.39	21.24	20.19	30.00	Pass
30KHz	25MHz	MCH	CP-QPSK	23.76	24.30	24.14	23.10	30.00	Pass
30KHz	25MHz	HCH	DFT-Pi2BPSK	25.95	26.00	25.99	24.80	30.00	Pass
30KHz	25MHz	HCH	DFT-QPSK	25.89	25.91	26.02	24.82	30.00	Pass
30KHz	25MHz	HCH	DFT-16QAM	24.82	24.86	25.02	23.82	30.00	Pass
30KHz	25MHz	HCH	DFT-64QAM	23.57	23.58	23.61	22.41	30.00	Pass
30KHz	25MHz	HCH	DFT-256QAM	21.61	21.55	21.60	20.41	30.00	Pass
30KHz	25MHz	HCH	CP-QPSK	24.43	24.47	24.49	23.29	30.00	Pass
30KHz	30MHz	LCH	DFT-Pi2BPSK	25.85	25.97	26.01	24.81	30.00	Pass
30KHz	30MHz	LCH	DFT-QPSK	25.80	25.92	25.91	24.72	30.00	Pass
30KHz	30MHz	LCH	DFT-16QAM	24.78	24.82	24.99	23.79	30.00	Pass
30KHz	30MHz	LCH	DFT-64QAM	23.50	23.62	23.44	22.42	30.00	Pass
30KHz	30MHz	LCH	DFT-256QAM	21.42	21.56	21.46	20.36	30.00	Pass
30KHz	30MHz	LCH	CP-QPSK	24.20	24.34	24.43	23.23	30.00	Pass
30KHz	30MHz	MCH	DFT-Pi2BPSK	25.40	25.93	25.69	24.73	30.00	Pass
30KHz	30MHz	MCH	DFT-QPSK	25.34	25.85	25.67	24.65	30.00	Pass
30KHz	30MHz	MCH	DFT-16QAM	24.28	24.83	24.72	23.63	30.00	Pass
30KHz	30MHz	MCH	DFT-64QAM	23.04	23.56	23.24	22.36	30.00	Pass
30KHz	30MHz	MCH	DFT-256QAM	20.89	21.52	21.22	20.32	30.00	Pass
30KHz	30MHz	MCH	CP-QPSK	23.75	24.35	24.17	23.15	30.00	Pass
30KHz	30MHz	HCH	DFT-Pi2BPSK	25.96	25.98	26.00	24.80	30.00	Pass
30KHz	30MHz	HCH	DFT-QPSK	25.90	25.86	26.00	24.80	30.00	Pass
30KHz	30MHz	HCH	DFT-16QAM	24.75	24.80	25.04	23.84	30.00	Pass
30KHz	30MHz	HCH	DFT-64QAM	23.62	23.57	23.51	22.42	30.00	Pass
30KHz	30MHz	HCH	DFT-256QAM	21.56	21.54	21.56	20.36	30.00	Pass
30KHz	30MHz	HCH	CP-QPSK	24.43	24.41	24.51	23.31	30.00	Pass
30KHz	40MHz	LCH	DFT-Pi2BPSK	25.81	26.06	25.95	24.86	30.00	Pass
30KHz	40MHz	LCH	DFT-QPSK	25.80	26.03	25.95	24.83	30.00	Pass
30KHz	40MHz	LCH	DFT-16QAM	24.75	24.97	24.94	23.77	30.00	Pass
30KHz	40MHz	LCH	DFT-64QAM	23.51	23.75	23.51	22.55	30.00	Pass
30KHz	40MHz	LCH	DFT-256QAM	21.38	21.64	21.49	20.44	30.00	Pass
30KHz	40MHz	LCH	CP-QPSK	24.16	24.49	24.40	23.29	30.00	Pass
30KHz	40MHz	MCH	DFT-Pi2BPSK	25.36	26.07	25.70	24.87	30.00	Pass
30KHz	40MHz	MCH	DFT-QPSK	25.35	26.04	25.65	24.84	30.00	Pass
30KHz	40MHz	MCH	DFT-16QAM	24.25	24.90	24.67	23.70	30.00	Pass
30KHz	40MHz	MCH	DFT-64QAM	22.98	23.69	23.28	22.49	30.00	Pass
30KHz	40MHz	MCH	DFT-256QAM	20.90	21.62	21.20	20.42	30.00	Pass
30KHz	40MHz	MCH	CP-QPSK	23.70	24.48	24.17	23.28	30.00	Pass
30KHz	40MHz	HCH	DFT-Pi2BPSK	26.15	25.99	26.08	24.95	30.00	Pass
30KHz	40MHz	HCH	DFT-QPSK	26.13	25.99	26.04	24.93	30.00	Pass
30KHz	40MHz	HCH	DFT-16QAM	25.05	24.76	25.05	23.85	30.00	Pass
30KHz	40MHz	HCH	DFT-64QAM	23.75	23.63	23.59	22.55	30.00	Pass
30KHz	40MHz	HCH	DFT-256QAM	21.77	21.60	21.64	20.57	30.00	Pass
30KHz	40MHz	HCH	CP-QPSK	24.60	24.48	24.55	23.40	30.00	Pass
30KHz	50MHz	LCH	DFT-Pi2BPSK	25.73	25.92	26.03	24.83	30.00	Pass
30KHz	50MHz	LCH	DFT-QPSK	25.73	25.88	26.03	24.83	30.00	Pass
30KHz	50MHz	LCH	DFT-16QAM	24.69	24.85	24.98	23.78	30.00	Pass
30KHz	50MHz	LCH	DFT-64QAM	23.42	23.57	23.58	22.38	30.00	Pass
30KHz	50MHz	LCH	DFT-256QAM	21.33	21.54	21.61	20.41	30.00	Pass
30KHz	50MHz	LCH	CP-QPSK	24.05	24.29	24.43	23.23	30.00	Pass
30KHz	50MHz	MCH	DFT-Pi2BPSK	25.37	26.09	25.75	24.89	30.00	Pass
30KHz	50MHz	MCH	DFT-QPSK	25.36	26.02	25.72	24.82	30.00	Pass
30KHz	50MHz	MCH	DFT-16QAM	24.29	24.91	24.70	23.71	30.00	Pass
30KHz	50MHz	MCH	DFT-64QAM	23.04	23.67	23.26	22.47	30.00	Pass
30KHz	50MHz	MCH	DFT-256QAM	20.93	21.68	21.26	20.48	30.00	Pass
30KHz	50MHz	MCH	CP-QPSK	23.72	24.49	24.13	23.29	30.00	Pass
30KHz	50MHz	HCH	DFT-Pi2BPSK	26.37	25.97	26.14	25.17	30.00	Pass
30KHz	50MHz	HCH	DFT-QPSK	26.32	25.90	26.16	25.12	30.00	Pass
30KHz	50MHz	HCH	DFT-16QAM	25.28	24.82	25.06	24.08	30.00	Pass

30KHz	50MHz	HCH	DFT-64QAM	24.10	23.66	23.66	22.90	30.00	Pass
30KHz	50MHz	HCH	DFT-256QAM	22.03	21.61	21.75	20.83	30.00	Pass
30KHz	50MHz	HCH	CP-QPSK	24.79	24.37	24.57	23.59	30.00	Pass
30KHz	60MHz	LCH	DFT-Pi2BPSK	25.65	25.86	25.94	24.74	30.00	Pass
30KHz	60MHz	LCH	DFT-QPSK	25.64	25.84	25.92	24.72	30.00	Pass
30KHz	60MHz	LCH	DFT-16QAM	24.64	24.79	24.95	23.75	30.00	Pass
30KHz	60MHz	LCH	DFT-64QAM	23.34	23.56	23.52	22.36	30.00	Pass
30KHz	60MHz	LCH	DFT-256QAM	21.23	21.45	21.52	20.32	30.00	Pass
30KHz	60MHz	LCH	CP-QPSK	23.98	24.24	24.36	23.16	30.00	Pass
30KHz	60MHz	MCH	DFT-Pi2BPSK	25.46	26.07	25.68	24.87	30.00	Pass
30KHz	60MHz	MCH	DFT-QPSK	25.44	26.02	25.68	24.82	30.00	Pass
30KHz	60MHz	MCH	DFT-16QAM	24.37	24.98	24.67	23.78	30.00	Pass
30KHz	60MHz	MCH	DFT-64QAM	23.15	23.69	23.23	22.49	30.00	Pass
30KHz	60MHz	MCH	DFT-256QAM	21.05	21.64	21.24	20.44	30.00	Pass
30KHz	60MHz	MCH	CP-QPSK	23.85	24.48	24.11	23.28	30.00	Pass
30KHz	60MHz	HCH	DFT-Pi2BPSK	26.41	25.96	26.18	25.21	30.00	Pass
30KHz	60MHz	HCH	DFT-QPSK	26.37	25.93	26.15	25.17	30.00	Pass
30KHz	60MHz	HCH	DFT-16QAM	25.34	24.81	25.23	24.14	30.00	Pass
30KHz	60MHz	HCH	DFT-64QAM	24.08	23.64	23.77	22.88	30.00	Pass
30KHz	60MHz	HCH	DFT-256QAM	22.00	21.58	21.77	20.80	30.00	Pass
30KHz	60MHz	HCH	CP-QPSK	24.85	24.40	24.63	23.65	30.00	Pass
30KHz	70MHz	LCH	DFT-Pi2BPSK	25.80	25.91	26.01	24.81	30.00	Pass
30KHz	70MHz	LCH	DFT-QPSK	25.78	25.88	26.01	24.81	30.00	Pass
30KHz	70MHz	LCH	DFT-16QAM	24.74	24.82	24.98	23.78	30.00	Pass
30KHz	70MHz	LCH	DFT-64QAM	23.49	23.53	23.56	22.36	30.00	Pass
30KHz	70MHz	LCH	DFT-256QAM	21.37	21.47	21.62	20.42	30.00	Pass
30KHz	70MHz	LCH	CP-QPSK	24.22	24.36	24.50	23.30	30.00	Pass
30KHz	70MHz	MCH	DFT-Pi2BPSK	25.67	26.19	25.77	24.99	30.00	Pass
30KHz	70MHz	MCH	DFT-QPSK	25.63	26.08	25.74	24.88	30.00	Pass
30KHz	70MHz	MCH	DFT-16QAM	24.59	25.01	24.74	23.81	30.00	Pass
30KHz	70MHz	MCH	DFT-64QAM	23.28	23.81	23.27	22.61	30.00	Pass
30KHz	70MHz	MCH	DFT-256QAM	21.26	21.75	21.32	20.55	30.00	Pass
30KHz	70MHz	MCH	CP-QPSK	24.06	24.67	24.26	23.47	30.00	Pass
30KHz	70MHz	HCH	DFT-Pi2BPSK	26.43	26.05	26.40	25.23	30.00	Pass
30KHz	70MHz	HCH	DFT-QPSK	26.39	26.02	26.40	25.20	30.00	Pass
30KHz	70MHz	HCH	DFT-16QAM	25.35	24.94	25.43	24.23	30.00	Pass
30KHz	70MHz	HCH	DFT-64QAM	24.08	23.71	23.93	22.88	30.00	Pass
30KHz	70MHz	HCH	DFT-256QAM	22.09	21.72	22.02	20.89	30.00	Pass
30KHz	70MHz	HCH	CP-QPSK	24.84	24.69	24.87	23.67	30.00	Pass
30KHz	80MHz	LCH	DFT-Pi2BPSK	25.80	26.01	25.99	24.81	30.00	Pass
30KHz	80MHz	LCH	DFT-QPSK	25.82	26.02	25.98	24.82	30.00	Pass
30KHz	80MHz	LCH	DFT-16QAM	24.69	24.84	25.02	23.82	30.00	Pass
30KHz	80MHz	LCH	DFT-64QAM	23.47	23.63	23.55	22.43	30.00	Pass
30KHz	80MHz	LCH	DFT-256QAM	21.41	21.56	21.61	20.41	30.00	Pass
30KHz	80MHz	LCH	CP-QPSK	24.14	24.37	24.45	23.25	30.00	Pass
30KHz	80MHz	MCH	DFT-Pi2BPSK	25.69	26.21	25.78	25.01	30.00	Pass
30KHz	80MHz	MCH	DFT-QPSK	25.66	26.13	25.75	24.93	30.00	Pass
30KHz	80MHz	MCH	DFT-16QAM	24.61	25.03	24.80	23.83	30.00	Pass
30KHz	80MHz	MCH	DFT-64QAM	23.33	23.83	23.34	22.63	30.00	Pass
30KHz	80MHz	MCH	DFT-256QAM	21.23	21.78	21.37	20.58	30.00	Pass
30KHz	80MHz	MCH	CP-QPSK	24.17	24.71	24.22	23.51	30.00	Pass
30KHz	80MHz	HCH	DFT-Pi2BPSK	26.16	26.10	26.42	25.22	30.00	Pass
30KHz	80MHz	HCH	DFT-QPSK	26.08	25.99	26.44	25.24	30.00	Pass
30KHz	80MHz	HCH	DFT-16QAM	25.01	24.94	25.45	24.25	30.00	Pass
30KHz	80MHz	HCH	DFT-64QAM	23.81	23.72	23.98	22.78	30.00	Pass
30KHz	80MHz	HCH	DFT-256QAM	21.74	21.71	22.04	20.84	30.00	Pass
30KHz	80MHz	HCH	CP-QPSK	24.54	24.50	24.90	23.70	30.00	Pass
30KHz	90MHz	LCH	DFT-Pi2BPSK	25.79	26.13	25.96	24.93	30.00	Pass
30KHz	90MHz	LCH	DFT-QPSK	25.81	26.11	26.00	24.91	30.00	Pass
30KHz	90MHz	LCH	DFT-16QAM	24.75	25.08	25.03	23.88	30.00	Pass
30KHz	90MHz	LCH	DFT-64QAM	23.48	23.78	23.56	22.58	30.00	Pass
30KHz	90MHz	LCH	DFT-256QAM	21.37	21.71	21.60	20.51	30.00	Pass
30KHz	90MHz	LCH	CP-QPSK	24.23	24.54	24.45	23.34	30.00	Pass
30KHz	90MHz	MCH	DFT-Pi2BPSK	25.66	26.17	25.73	24.97	30.00	Pass

30KHz	90MHz	MCH	DFT-QPSK	25.66	26.15	25.77	24.95	30.00	Pass
30KHz	90MHz	MCH	DFT-16QAM	24.52	25.02	24.79	23.82	30.00	Pass
30KHz	90MHz	MCH	DFT-64QAM	23.28	23.78	23.33	22.58	30.00	Pass
30KHz	90MHz	MCH	DFT-256QAM	21.24	21.75	21.37	20.55	30.00	Pass
30KHz	90MHz	MCH	CP-QPSK	24.02	24.56	24.25	23.36	30.00	Pass
30KHz	90MHz	HCH	DFT-Pi2BPSK	25.92	26.00	26.42	25.22	30.00	Pass
30KHz	90MHz	HCH	DFT-QPSK	25.91	25.99	26.46	25.26	30.00	Pass
30KHz	90MHz	HCH	DFT-16QAM	24.75	24.83	25.47	24.27	30.00	Pass
30KHz	90MHz	HCH	DFT-64QAM	23.50	23.63	23.99	22.79	30.00	Pass
30KHz	90MHz	HCH	DFT-256QAM	21.50	21.64	22.05	20.85	30.00	Pass
30KHz	90MHz	HCH	CP-QPSK	24.34	24.47	24.90	23.70	30.00	Pass
30KHz	100MHz	LCH	DFT-Pi2BPSK	25.74	26.12	25.88	24.92	30.00	Pass
30KHz	100MHz	LCH	DFT-QPSK	25.75	26.14	25.93	24.94	30.00	Pass
30KHz	100MHz	LCH	DFT-16QAM	24.64	25.06	24.96	23.86	30.00	Pass
30KHz	100MHz	LCH	DFT-64QAM	23.36	23.84	23.47	22.64	30.00	Pass
30KHz	100MHz	LCH	DFT-256QAM	21.34	21.72	21.56	20.52	30.00	Pass
30KHz	100MHz	LCH	CP-QPSK	24.11	24.52	24.34	23.32	30.00	Pass
30KHz	100MHz	MCH	DFT-Pi2BPSK	25.66	26.25	25.72	25.05	30.00	Pass
30KHz	100MHz	MCH	DFT-QPSK	25.68	26.19	25.76	24.99	30.00	Pass
30KHz	100MHz	MCH	DFT-16QAM	24.52	25.08	24.81	23.88	30.00	Pass
30KHz	100MHz	MCH	DFT-64QAM	23.27	23.83	23.31	22.63	30.00	Pass
30KHz	100MHz	MCH	DFT-256QAM	21.18	21.85	21.37	20.65	30.00	Pass
30KHz	100MHz	MCH	CP-QPSK	24.02	24.68	24.23	23.48	30.00	Pass
30KHz	100MHz	HCH	DFT-Pi2BPSK	25.88	26.06	26.41	25.21	30.00	Pass
30KHz	100MHz	HCH	DFT-QPSK	25.84	26.05	26.48	25.28	30.00	Pass
30KHz	100MHz	HCH	DFT-16QAM	24.70	24.93	25.49	24.29	30.00	Pass
30KHz	100MHz	HCH	DFT-64QAM	23.46	23.70	24.02	22.82	30.00	Pass
30KHz	100MHz	HCH	DFT-256QAM	21.41	21.70	22.10	20.90	30.00	Pass
30KHz	100MHz	HCH	CP-QPSK	24.34	24.46	24.93	23.73	30.00	Pass

2. Peak-to-Average Ratio

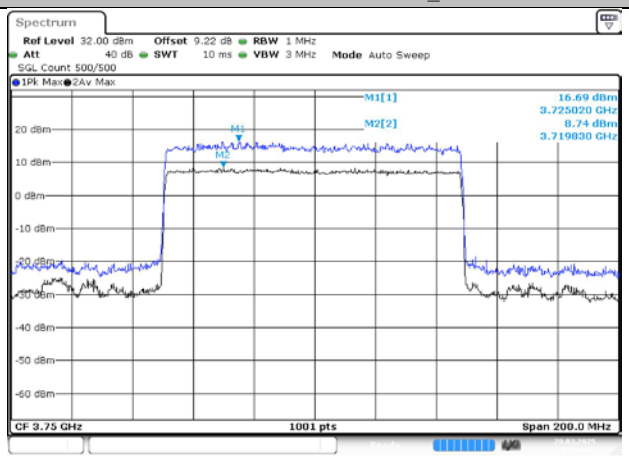
2.1. Test Results

SCS	Bandwidth	Channel	RB	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
30KHz	100MHz	LCH	Outer_Full	7.95	8.43	13.00	Pass
30KHz	100MHz	MCH	Outer_Full	7.99	8.11	13.00	Pass
30KHz	100MHz	HCH	Outer_Full	7.63	7.88	13.00	Pass

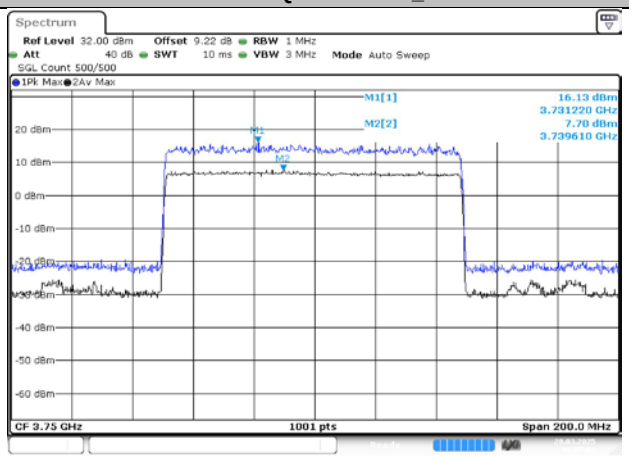
2.2. Test Plots for SCS=30KHz

n77A / 30KHz / 100MHz

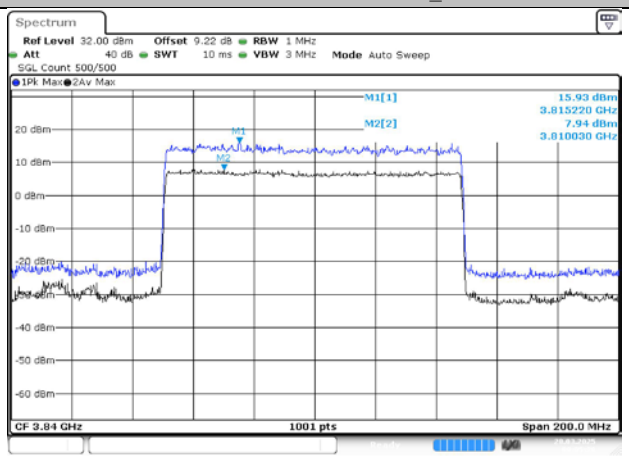
LCH / DFT-Pi2BPSK / Outer_Full



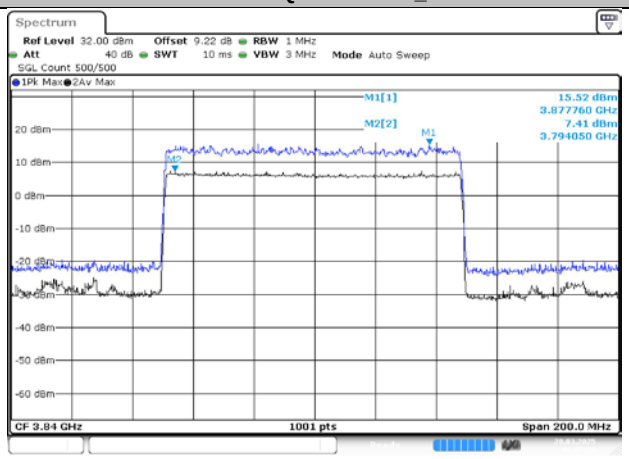
LCH / DFT-QPSK / Outer_Full



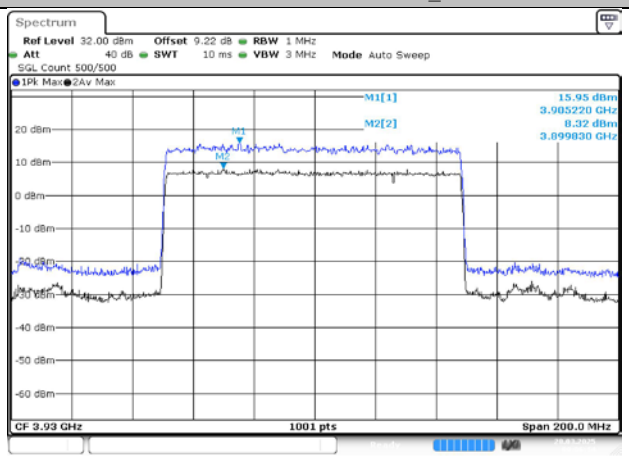
MCH / DFT-Pi2BPSK / Outer_Full



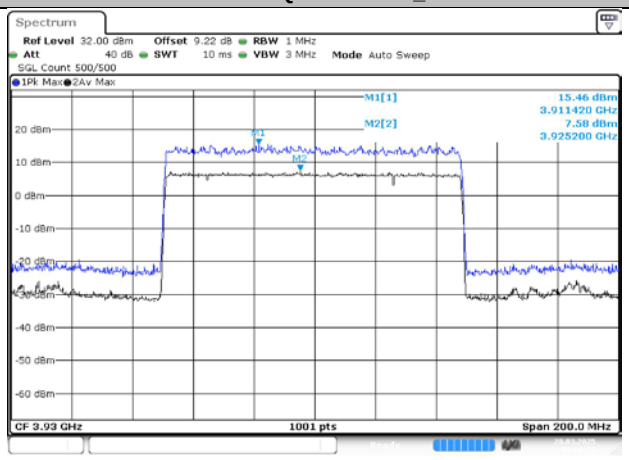
MCH / DFT-QPSK / Outer_Full



HCH / DFT-Pi2BPSK / Outer_Full

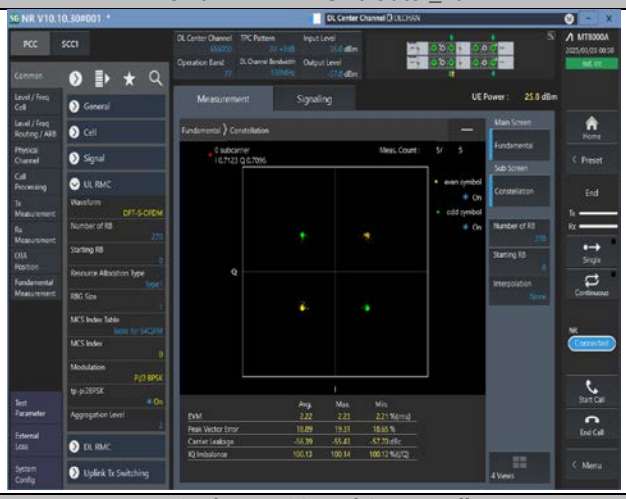
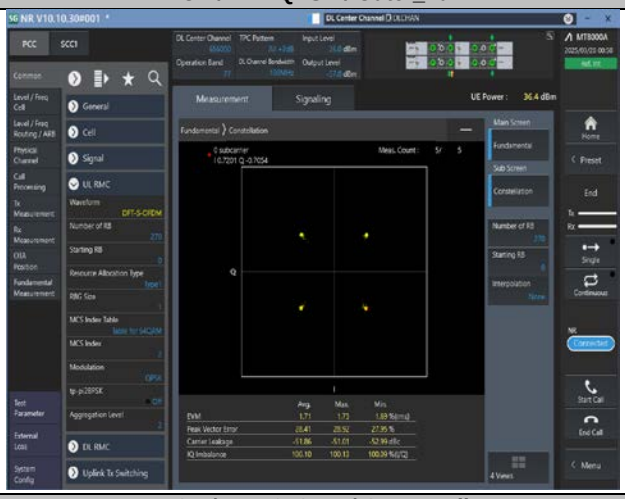
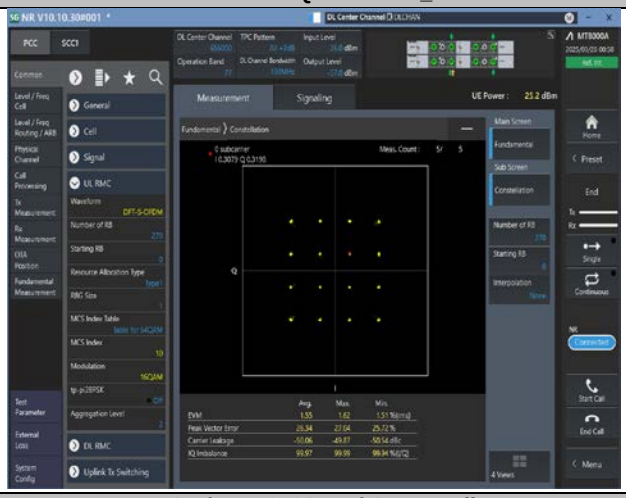
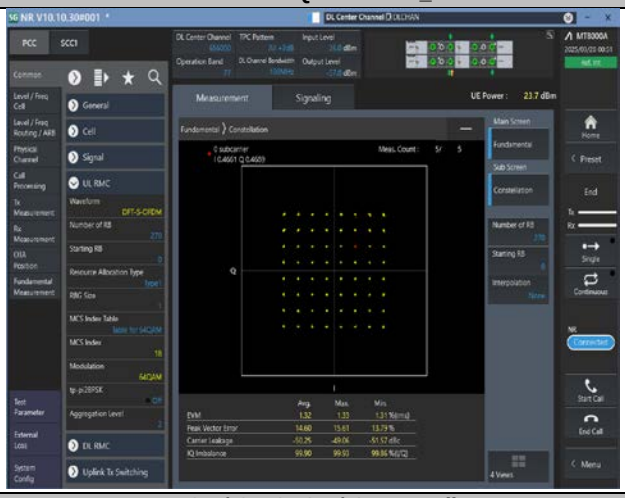
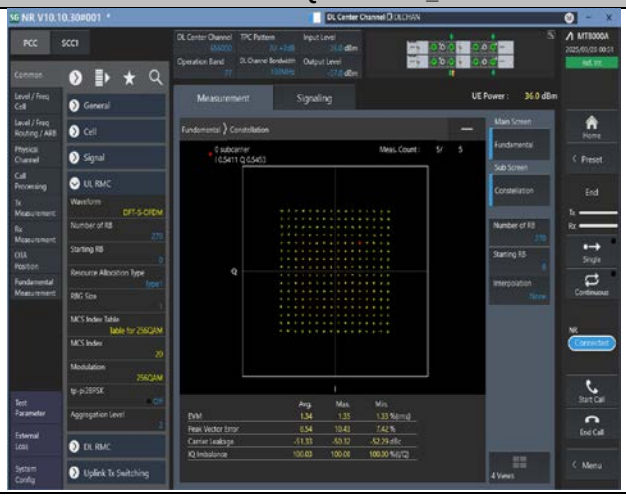
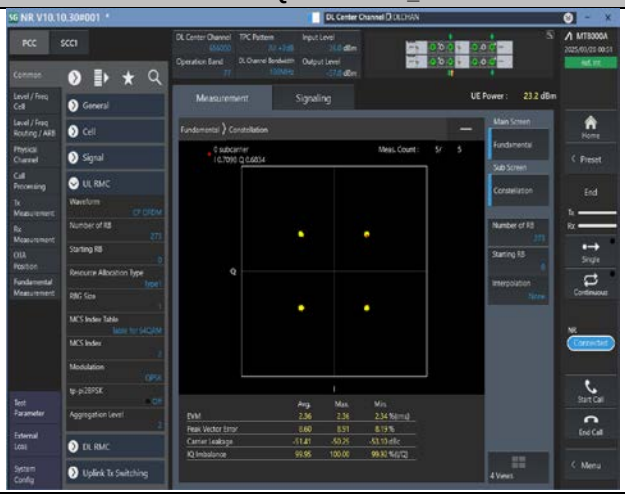


HCH / DFT-QPSK / Outer_Full

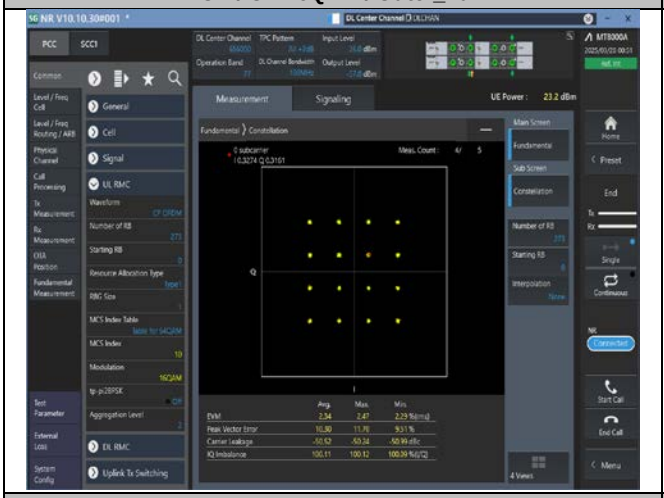


3. Modulation Characteristics

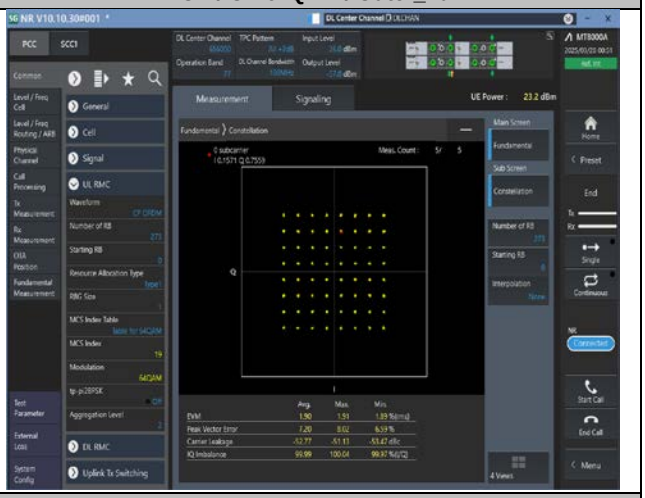
3.1. Test Plots for SCS=30KHz

n77A / 30KHz / 100MHz	
MCH / DFT-Pi2BPSK / Outer_Full	MCH / DFT-QPSK / Outer_Full
	
MCH / DFT-16QAM / Outer_Full	MCH / DFT-64QAM / Outer_Full
	
MCH / DFT-256QAM / Outer_Full	MCH / CP-QPSK / Outer_Full
	

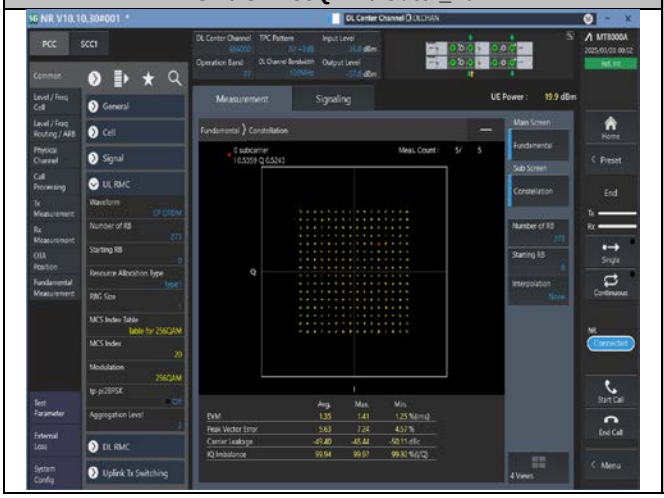
MCH / CP-16QAM / Outer_Full



MCH / CP-64QAM / Outer_Full



MCH / CP-256QAM / Outer_Full



Intentionally Blank

4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

4.1. Test Results

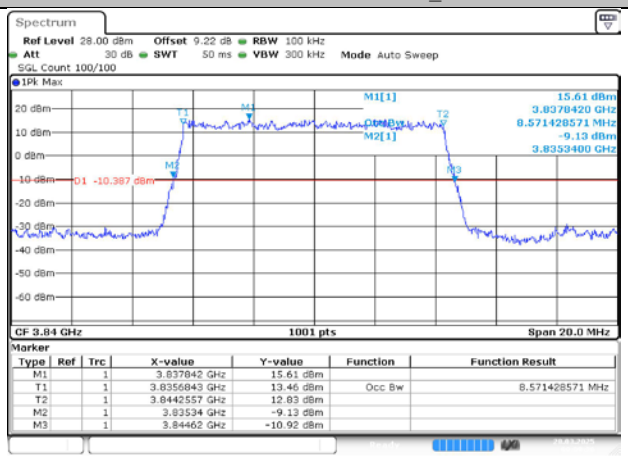
SCS	Bandwidth	Modulation	RB	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
30KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.57	9.28	Pass
30KHz	10MHz	DFT-QPSK	Outer_Full	8.57	9.10	Pass
30KHz	10MHz	CP-QPSK	Outer_Full	8.57	9.34	Pass
30KHz	10MHz	CP-16QAM	Outer_Full	8.55	9.26	Pass
30KHz	10MHz	CP-64QAM	Outer_Full	8.57	9.26	Pass
30KHz	10MHz	CP-256QAM	Outer_Full	8.57	9.26	Pass
30KHz	15MHz	DFT-Pi2BPSK	Outer_Full	12.86	13.80	Pass
30KHz	15MHz	DFT-QPSK	Outer_Full	12.86	13.74	Pass
30KHz	15MHz	CP-QPSK	Outer_Full	13.58	14.64	Pass
30KHz	15MHz	CP-16QAM	Outer_Full	13.55	14.58	Pass
30KHz	15MHz	CP-64QAM	Outer_Full	13.67	14.58	Pass
30KHz	15MHz	CP-256QAM	Outer_Full	13.61	14.55	Pass
30KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.86	18.68	Pass
30KHz	20MHz	DFT-QPSK	Outer_Full	17.82	18.84	Pass
30KHz	20MHz	CP-QPSK	Outer_Full	18.18	19.28	Pass
30KHz	20MHz	CP-16QAM	Outer_Full	18.18	19.24	Pass
30KHz	20MHz	CP-64QAM	Outer_Full	18.18	19.20	Pass
30KHz	20MHz	CP-256QAM	Outer_Full	18.14	19.20	Pass
30KHz	25MHz	DFT-Pi2BPSK	Outer_Full	22.88	24.00	Pass
30KHz	25MHz	DFT-QPSK	Outer_Full	22.83	24.05	Pass
30KHz	25MHz	CP-QPSK	Outer_Full	23.18	24.45	Pass
30KHz	25MHz	CP-16QAM	Outer_Full	23.23	24.45	Pass

30KHz	25MHz	CP-64QAM	Outer_Full	23.23	24.35	Pass
30KHz	25MHz	CP-256QAM	Outer_Full	23.23	24.45	Pass
30KHz	30MHz	DFT-Pi2BPSK	Outer_Full	26.79	28.26	Pass
30KHz	30MHz	DFT-QPSK	Outer_Full	26.79	28.26	Pass
30KHz	30MHz	CP-QPSK	Outer_Full	27.75	29.28	Pass
30KHz	30MHz	CP-16QAM	Outer_Full	27.81	29.28	Pass
30KHz	30MHz	CP-64QAM	Outer_Full	27.75	29.34	Pass
30KHz	30MHz	CP-256QAM	Outer_Full	27.87	29.34	Pass
30KHz	40MHz	DFT-Pi2BPSK	Outer_Full	35.80	37.60	Pass
30KHz	40MHz	DFT-QPSK	Outer_Full	35.80	37.68	Pass
30KHz	40MHz	CP-QPSK	Outer_Full	37.72	39.68	Pass
30KHz	40MHz	CP-16QAM	Outer_Full	37.96	39.84	Pass
30KHz	40MHz	CP-64QAM	Outer_Full	37.80	39.76	Pass
30KHz	40MHz	CP-256QAM	Outer_Full	37.80	39.76	Pass
30KHz	50MHz	DFT-Pi2BPSK	Outer_Full	45.75	47.70	Pass
30KHz	50MHz	DFT-QPSK	Outer_Full	45.65	47.70	Pass
30KHz	50MHz	CP-QPSK	Outer_Full	47.45	49.40	Pass
30KHz	50MHz	CP-16QAM	Outer_Full	47.45	49.60	Pass
30KHz	50MHz	CP-64QAM	Outer_Full	47.45	49.60	Pass
30KHz	50MHz	CP-256QAM	Outer_Full	47.35	49.60	Pass
30KHz	60MHz	DFT-Pi2BPSK	Outer_Full	57.90	60.60	Pass
30KHz	60MHz	DFT-QPSK	Outer_Full	57.90	60.72	Pass
30KHz	60MHz	CP-QPSK	Outer_Full	57.78	60.72	Pass
30KHz	60MHz	CP-16QAM	Outer_Full	57.66	60.60	Pass
30KHz	60MHz	CP-64QAM	Outer_Full	58.02	60.72	Pass
30KHz	60MHz	CP-256QAM	Outer_Full	57.78	60.60	Pass
30KHz	70MHz	DFT-Pi2BPSK	Outer_Full	64.34	67.20	Pass
30KHz	70MHz	DFT-QPSK	Outer_Full	64.34	67.20	Pass
30KHz	70MHz	CP-QPSK	Outer_Full	67.69	70.42	Pass
30KHz	70MHz	CP-16QAM	Outer_Full	67.55	70.42	Pass
30KHz	70MHz	CP-64QAM	Outer_Full	67.55	70.56	Pass
30KHz	70MHz	CP-256QAM	Outer_Full	67.55	70.42	Pass
30KHz	80MHz	DFT-Pi2BPSK	Outer_Full	77.20	80.32	Pass
30KHz	80MHz	DFT-QPSK	Outer_Full	77.04	80.32	Pass
30KHz	80MHz	CP-QPSK	Outer_Full	77.36	80.64	Pass
30KHz	80MHz	CP-16QAM	Outer_Full	77.52	80.64	Pass
30KHz	80MHz	CP-64QAM	Outer_Full	77.36	80.48	Pass
30KHz	80MHz	CP-256QAM	Outer_Full	77.36	80.64	Pass
30KHz	90MHz	DFT-Pi2BPSK	Outer_Full	86.67	90.18	Pass
30KHz	90MHz	DFT-QPSK	Outer_Full	86.49	90.18	Pass
30KHz	90MHz	CP-QPSK	Outer_Full	87.39	90.54	Pass
30KHz	90MHz	CP-16QAM	Outer_Full	87.57	90.54	Pass
30KHz	90MHz	CP-64QAM	Outer_Full	87.57	90.72	Pass
30KHz	90MHz	CP-256QAM	Outer_Full	87.39	90.90	Pass
30KHz	100MHz	DFT-Pi2BPSK	Outer_Full	96.30	99.80	Pass
30KHz	100MHz	DFT-QPSK	Outer_Full	96.30	99.80	Pass
30KHz	100MHz	CP-QPSK	Outer_Full	97.30	100.80	Pass
30KHz	100MHz	CP-16QAM	Outer_Full	97.30	100.60	Pass
30KHz	100MHz	CP-64QAM	Outer_Full	97.50	100.80	Pass
30KHz	100MHz	CP-256QAM	Outer_Full	97.50	100.80	Pass

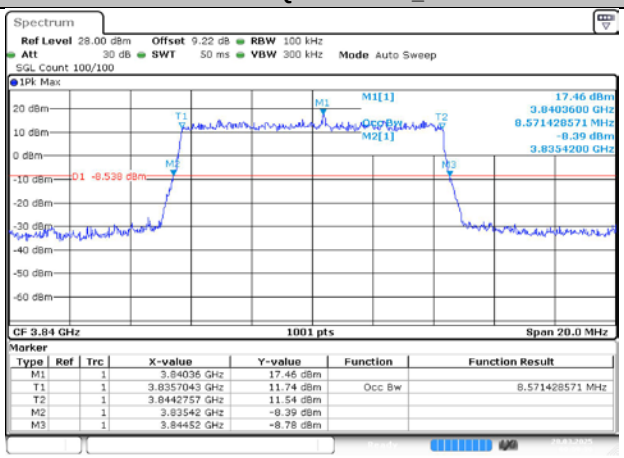
4.2. Test Plots for SCS=30KHz

n77A / 30KHz / 10MHz

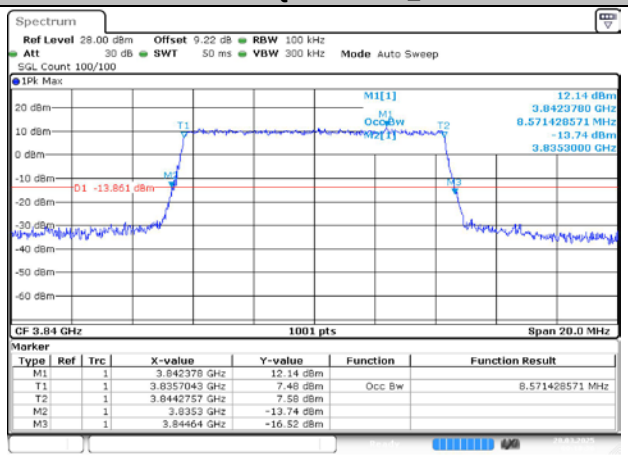
MCH / DFT-Pi2BPSK / Outer_Full



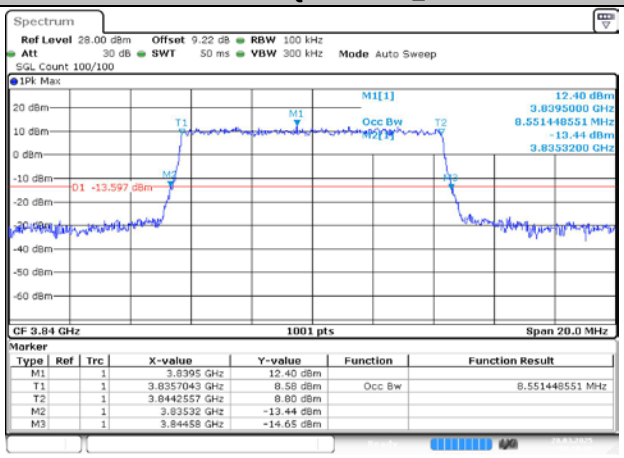
MCH / DFT-QPSK / Outer_Full



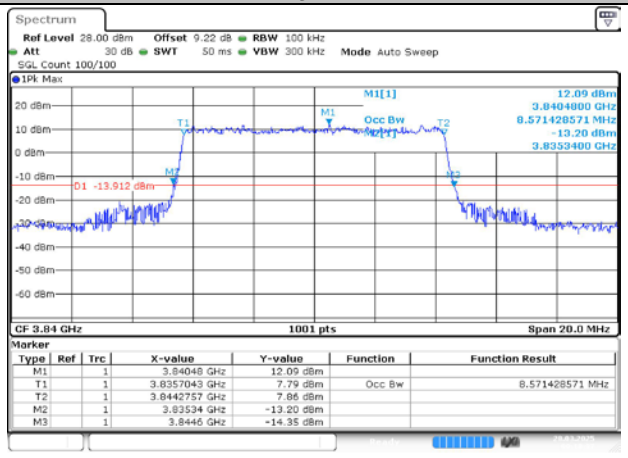
MCH / CP-QPSK / Outer_Full



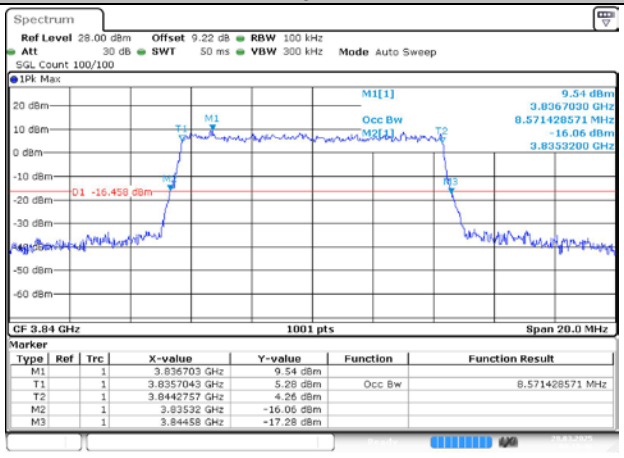
MCH / CP-16QAM / Outer_Full



MCH / CP-64QAM / Outer_Full

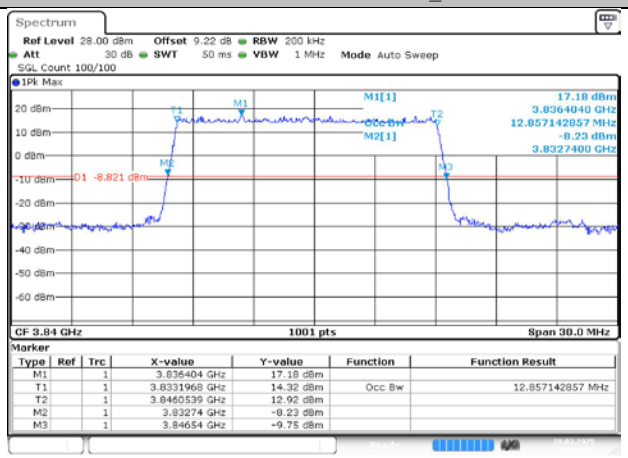


MCH / CP-256QAM / Outer_Full

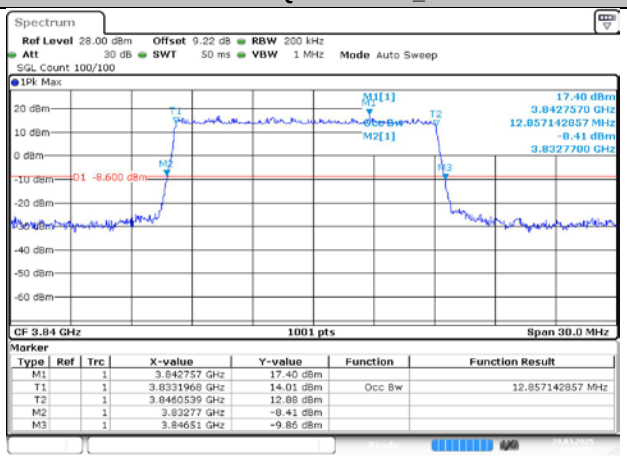


n77A / 30KHz / 15MHz

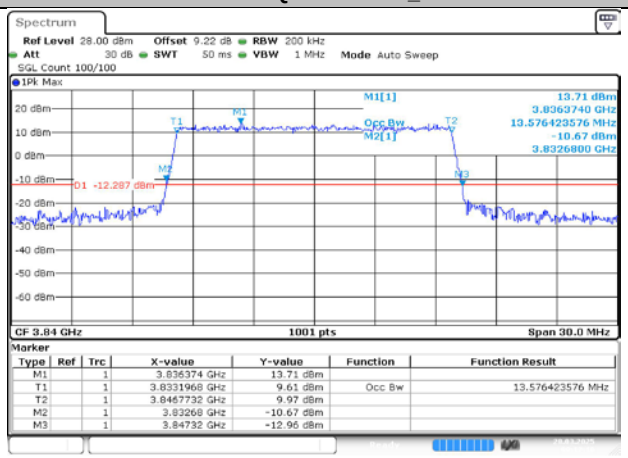
MCH / DFT-Pi2BPSK / Outer_Full



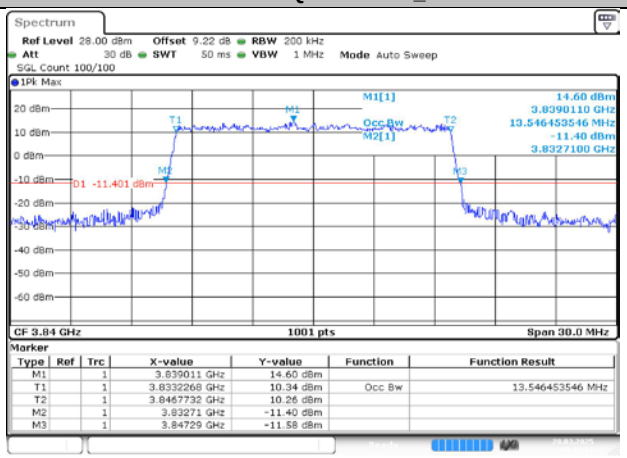
MCH / DFT-QPSK / Outer_Full



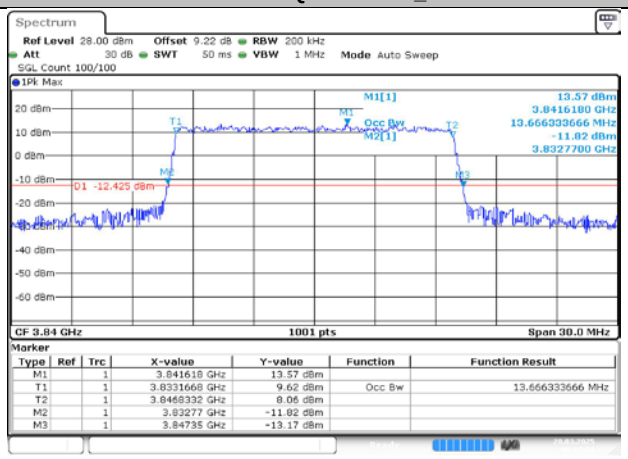
MCH / CP-QPSK / Outer_Full



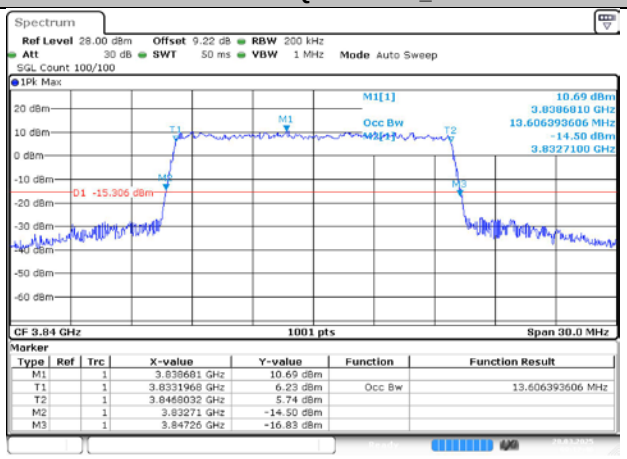
MCH / CP-16QAM / Outer_Full



MCH / CP-64QAM / Outer_Full

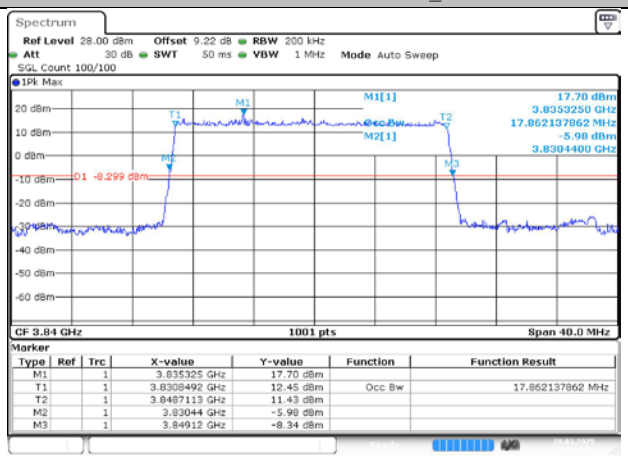


MCH / CP-256QAM / Outer_Full

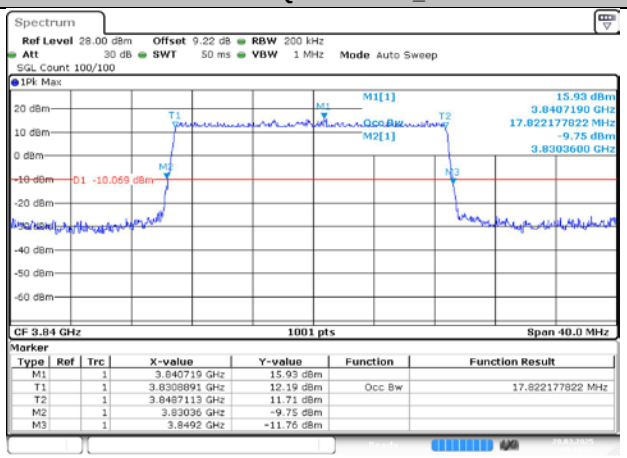


n77A / 30KHz / 20MHz

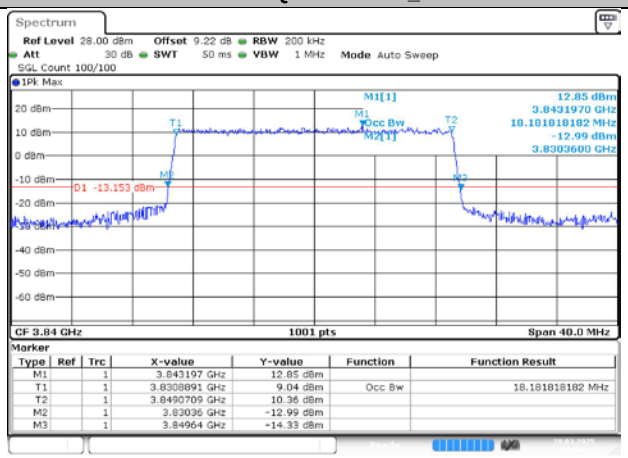
MCH / DFT-Pi2BPSK / Outer_Full



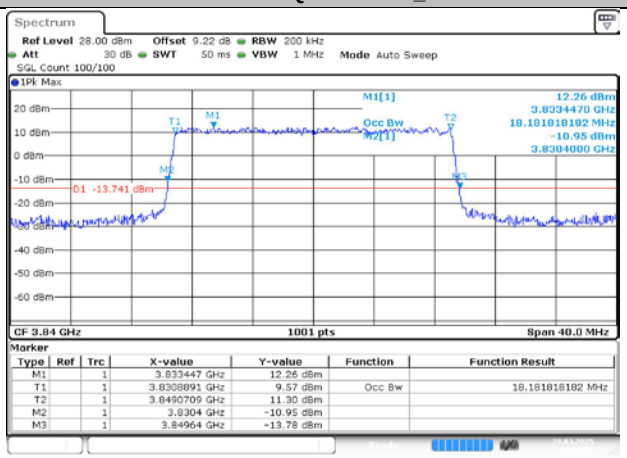
MCH / DFT-QPSK / Outer_Full



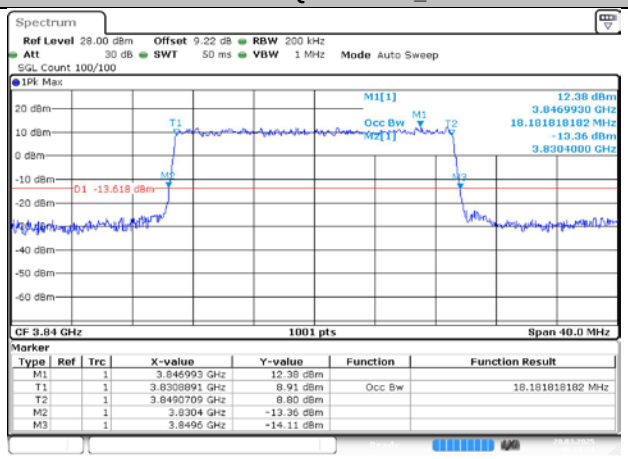
MCH / CP-QPSK / Outer_Full



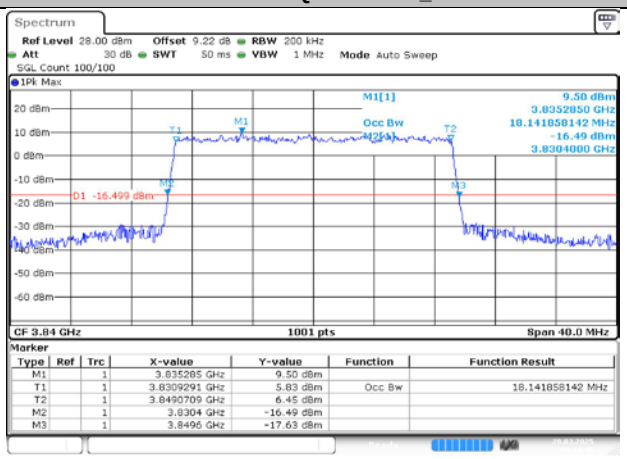
MCH / CP-16QAM / Outer_Full



MCH / CP-64QAM / Outer_Full

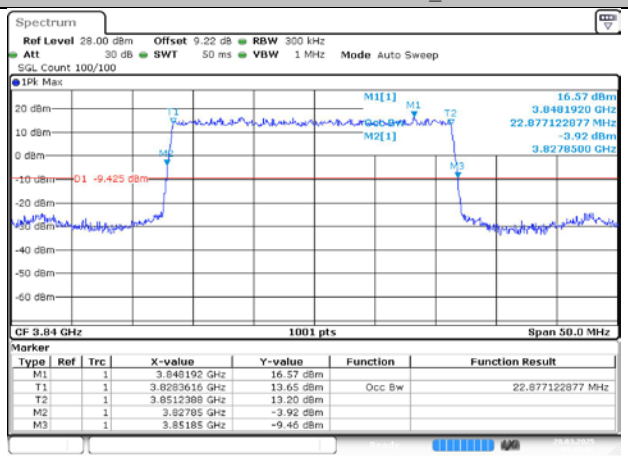


MCH / CP-256QAM / Outer_Full

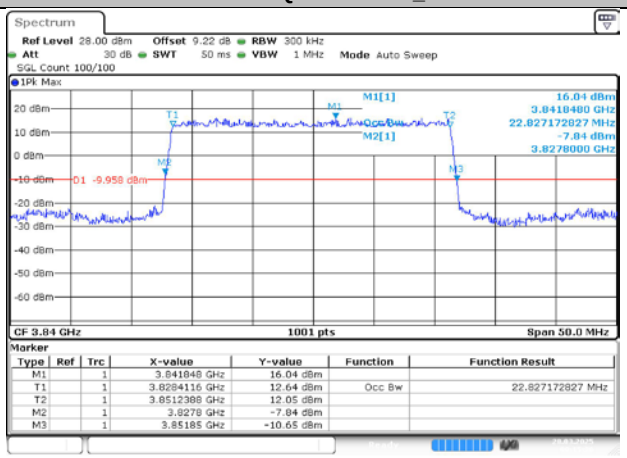


n77A / 30KHz / 25MHz

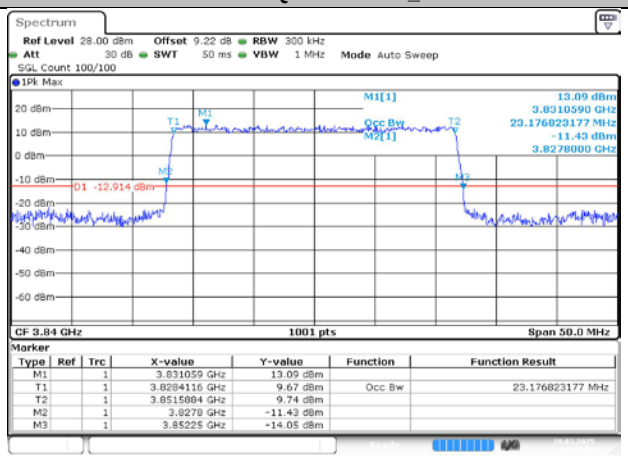
MCH / DFT-Pi2BPSK / Outer_Full



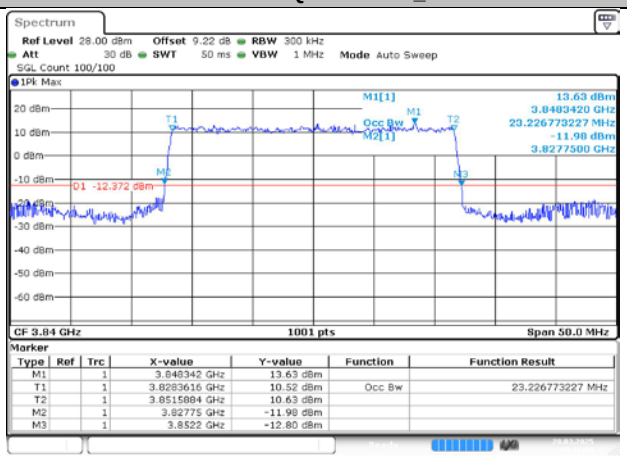
MCH / DFT-QPSK / Outer_Full



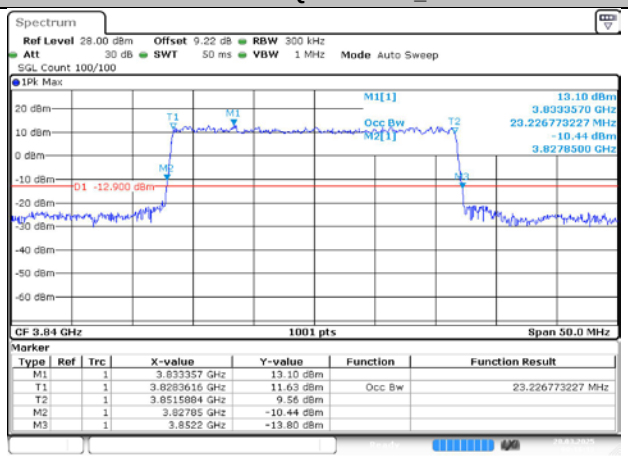
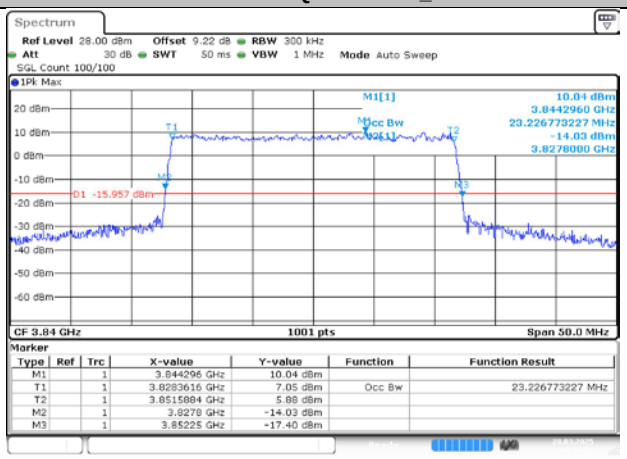
MCH / CP-QPSK / Outer_Full



MCH / CP-16QAM / Outer_Full



MCH / CP-64QAM / Outer_Full



MCH / CP-256QAM / Outer_Full