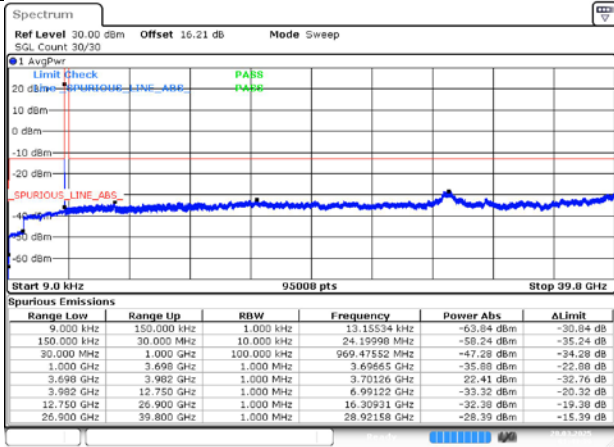


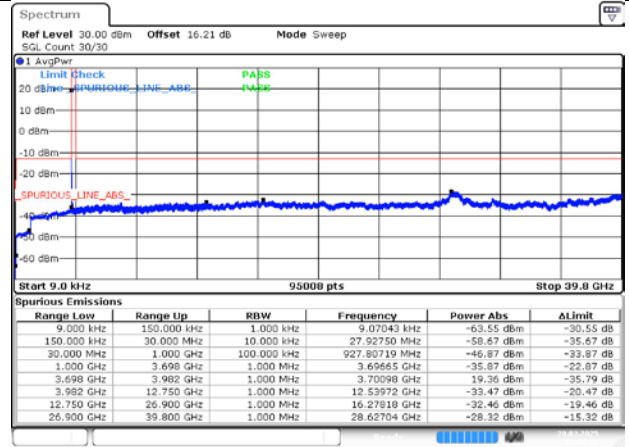
n77A / 30kHz / 70MHz

LCH / DFT-Pi2BPSK / Edge\_1RB\_Left



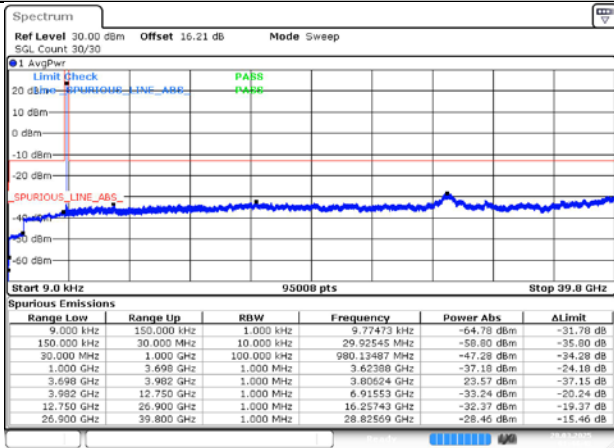
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LCH / DFT-QPSK / Edge\_1RB\_Left



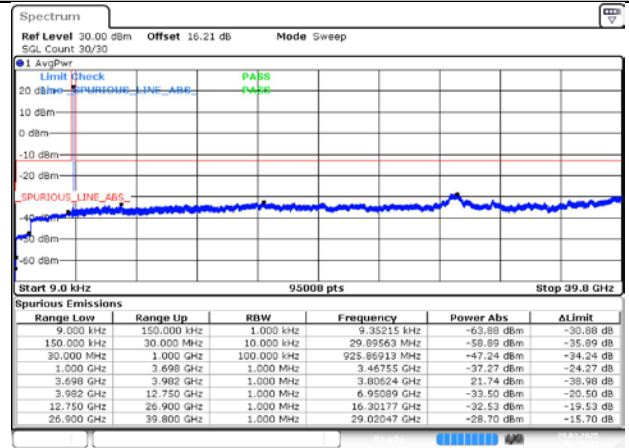
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MCH / DFT-Pi2BPSK / Edge\_1RB\_Left



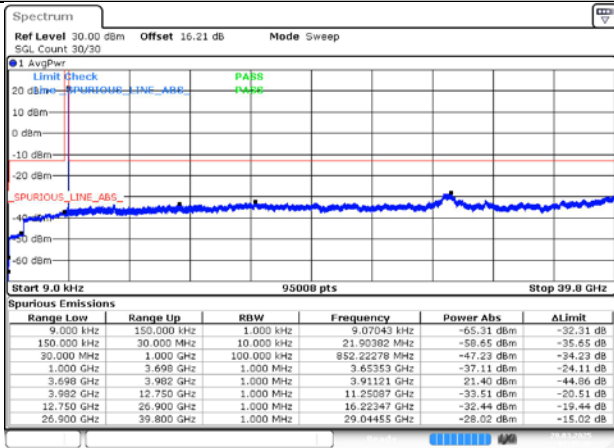
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MCH / DFT-QPSK / Edge\_1RB\_Left



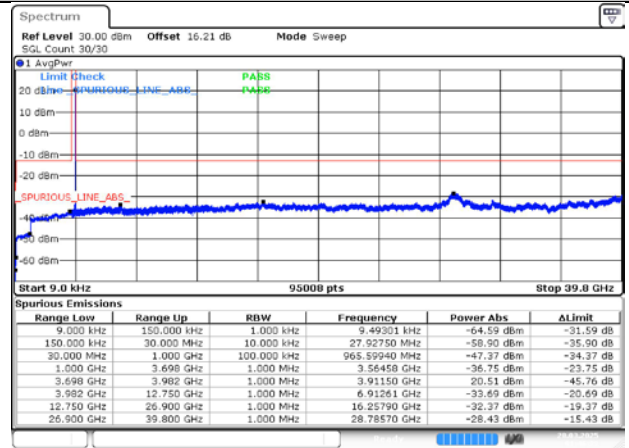
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HCH / DFT-Pi2BPSK / Edge\_1RB\_Left



Date: 28.MAR.2025 01:45:45

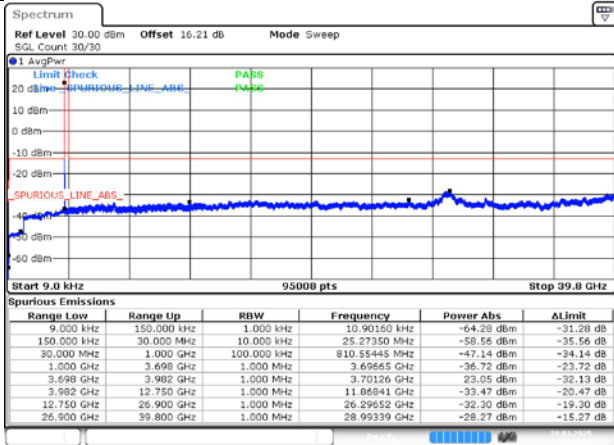
HCH / DFT-QPSK / Edge\_1RB\_Left



Date: 28.MAR.2025 01:46:22

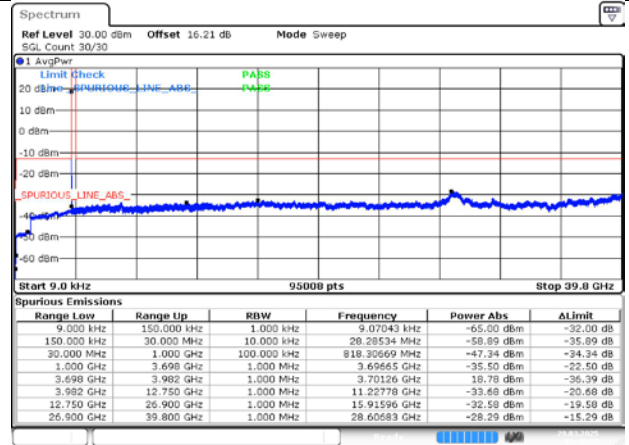
n77A / 30kHz / 80MHz

LCH / DFT-Pi2BPSK / Edge\_1RB\_Left



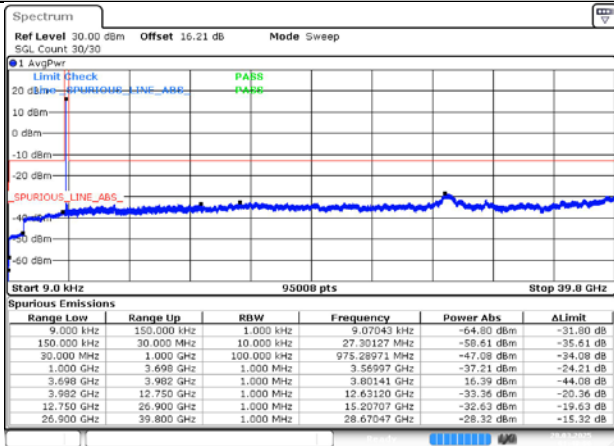
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LCH / DFT-QPSK / Edge\_1RB\_Left



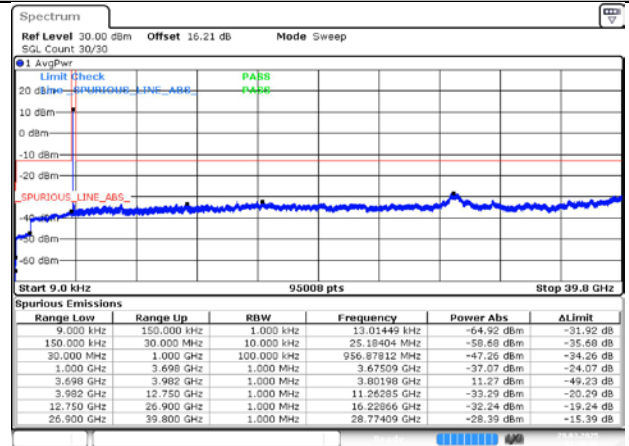
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MCH / DFT-Pi2BPSK / Edge\_1RB\_Left



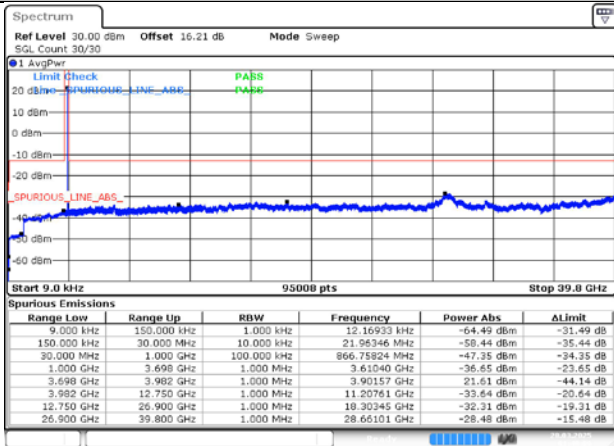
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MCH / DFT-QPSK / Edge\_1RB\_Left



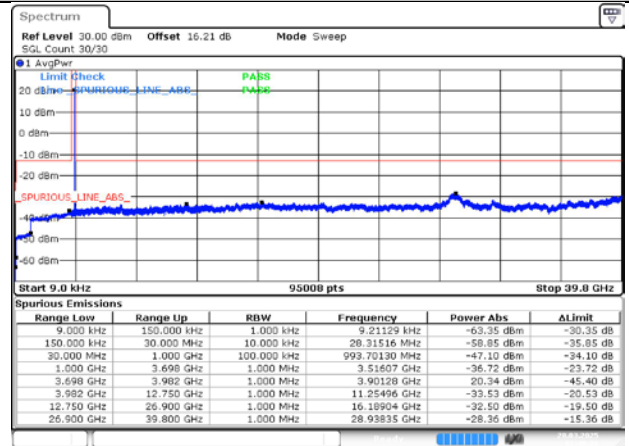
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HCH / DFT-Pi2BPSK / Edge\_1RB\_Left

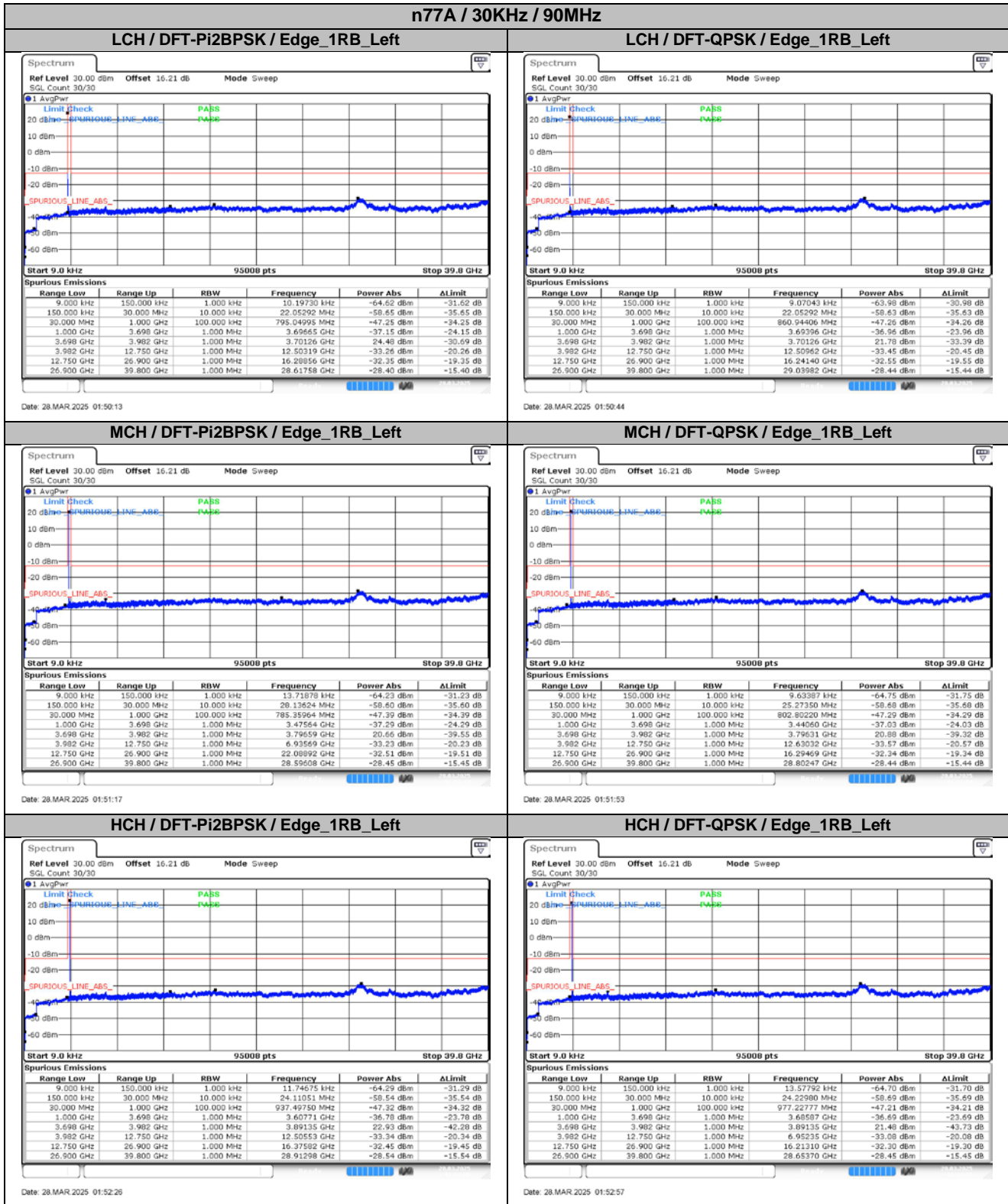


Date: 28.MAR.2025 01:49:08

HCH / DFT-QPSK / Edge\_1RB\_Left

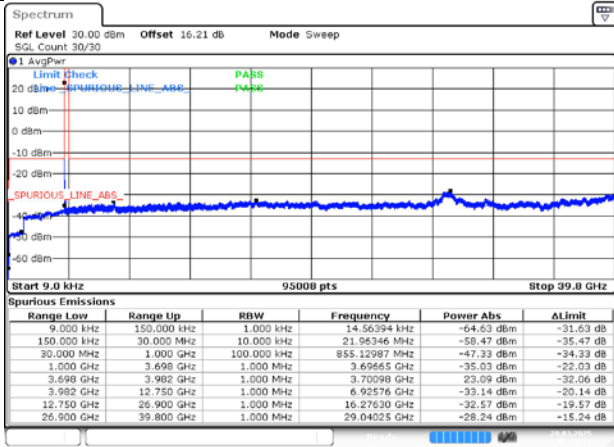


Date: 28.MAR.2025 01:49:39



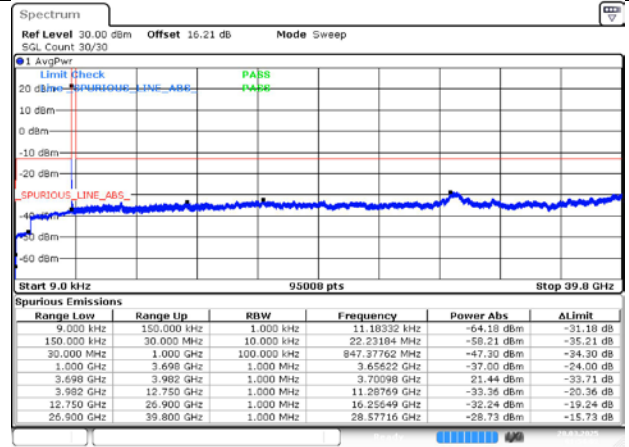
n77A / 30KHz / 100MHz

LCH / DFT-Pi2BPSK / Edge\_1RB\_Left



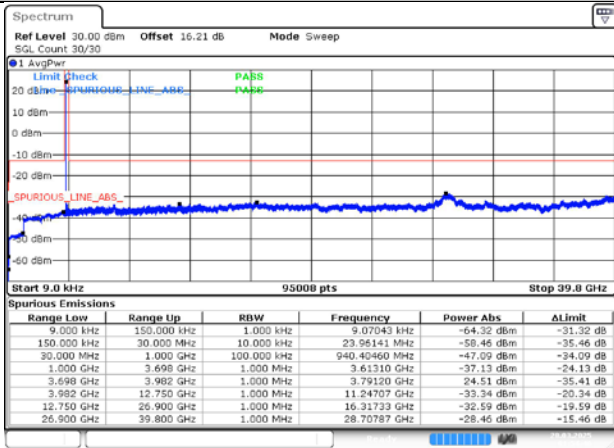
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LCH / DFT-QPSK / Edge\_1RB\_Left



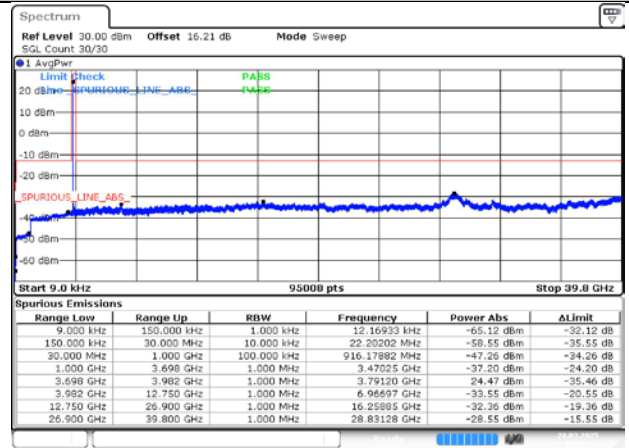
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MCH / DFT-Pi2BPSK / Edge\_1RB\_Left



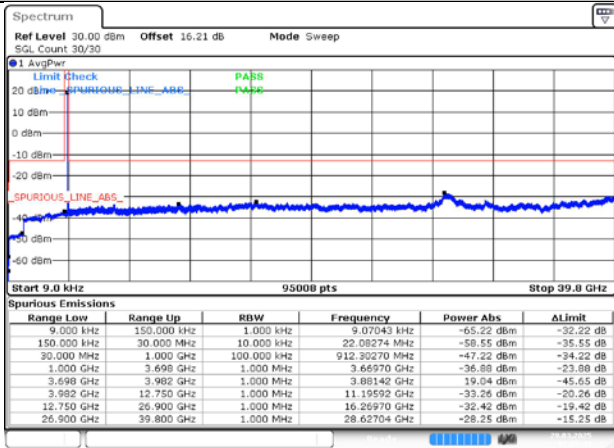
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MCH / DFT-QPSK / Edge\_1RB\_Left



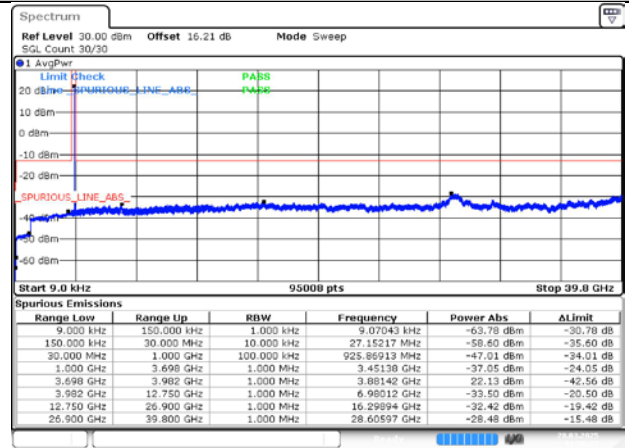
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HCH / DFT-Pi2BPSK / Edge\_1RB\_Left



Date: 28.MAR.2025 01:55:44

HCH / DFT-QPSK / Edge\_1RB\_Left



Date: 28.MAR.2025 01:56:15

## 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)	
30KHz	100MHz	MCH	Outer_Full	DFT-QPSK	NT	LV	-6.30	-0.001641	Pass
30KHz	100MHz	MCH	Outer_Full	DFT-QPSK	NT	NV	-7.40	-0.001927	Pass
30KHz	100MHz	MCH	Outer_Full	DFT-QPSK	NT	HV	-11.80	-0.003073	Pass

#### 7.1.2. Frequency Error Vs Temperature

SCS	Bandwidth	Channel	RB Config	Modulation	Temperature	Voltage	Deviation Result		Verdict
							(Hz)	(ppm)	
30KHz	100MHz	MCH	Outer_Full	DFT-QPSK	-30°C	NV	-7.90	-0.002057	Pass
30KHz	100MHz	MCH	Outer_Full	DFT-QPSK	-20°C	NV	-8.00	-0.002083	Pass
30KHz	100MHz	MCH	Outer_Full	DFT-QPSK	-10°C	NV	-10.20	-0.002656	Pass
30KHz	100MHz	MCH	Outer_Full	DFT-QPSK	0°C	NV	-10.00	-0.002604	Pass
30KHz	100MHz	MCH	Outer_Full	DFT-QPSK	10°C	NV	-7.40	-0.001927	Pass
30KHz	100MHz	MCH	Outer_Full	DFT-QPSK	20°C	NV	-9.80	-0.002552	Pass
30KHz	100MHz	MCH	Outer_Full	DFT-QPSK	30°C	NV	-10.40	-0.002708	Pass
30KHz	100MHz	MCH	Outer_Full	DFT-QPSK	40°C	NV	-7.20	-0.001875	Pass
30KHz	100MHz	MCH	Outer_Full	DFT-QPSK	50°C	NV	-10.50	-0.002734	Pass

---

The End

**Appendix  
for  
n78A  
(3700-3800)**

## Catalogue

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### 1. Effective Isotropic Radiated Power

#### 1.1. Test Results @ Ant5 (Antenna Gain=-2.40dBi)

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	26.42	26.52	26.54	24.14	30.00	Pass
30KHz	10MHz	LCH	DFT-QPSK	26.41	26.48	26.51	24.11	30.00	Pass
30KHz	10MHz	LCH	DFT-16QAM	25.40	25.46	25.58	23.18	30.00	Pass
30KHz	10MHz	LCH	DFT-64QAM	24.06	24.13	24.14	21.74	30.00	Pass
30KHz	10MHz	LCH	DFT-256QAM	21.96	22.03	22.33	19.93	30.00	Pass
30KHz	10MHz	LCH	CP-QPSK	24.73	24.90	24.89	22.50	30.00	Pass
30KHz	10MHz	MCH	DFT-Pi2BPSK	26.50	26.46	26.41	24.10	30.00	Pass
30KHz	10MHz	MCH	DFT-QPSK	26.46	26.44	26.47	24.07	30.00	Pass
30KHz	10MHz	MCH	DFT-16QAM	25.36	25.41	25.51	23.11	30.00	Pass
30KHz	10MHz	MCH	DFT-64QAM	24.13	24.07	24.07	21.73	30.00	Pass
30KHz	10MHz	MCH	DFT-256QAM	22.03	22.02	22.27	19.87	30.00	Pass
30KHz	10MHz	MCH	CP-QPSK	24.87	24.82	24.76	22.47	30.00	Pass
30KHz	10MHz	HCH	DFT-Pi2BPSK	26.60	26.64	26.70	24.30	30.00	Pass
30KHz	10MHz	HCH	DFT-QPSK	26.61	26.60	26.78	24.38	30.00	Pass
30KHz	10MHz	HCH	DFT-16QAM	25.54	25.56	25.70	23.30	30.00	Pass
30KHz	10MHz	HCH	DFT-64QAM	24.18	24.22	24.32	21.92	30.00	Pass
30KHz	10MHz	HCH	DFT-256QAM	22.15	22.17	22.43	20.03	30.00	Pass
30KHz	10MHz	HCH	CP-QPSK	24.97	25.00	25.09	22.69	30.00	Pass
30KHz	15MHz	LCH	DFT-Pi2BPSK	26.42	26.62	26.60	24.22	30.00	Pass
30KHz	15MHz	LCH	DFT-QPSK	26.40	26.61	26.63	24.23	30.00	Pass
30KHz	15MHz	LCH	DFT-16QAM	25.36	25.50	25.65	23.25	30.00	Pass
30KHz	15MHz	LCH	DFT-64QAM	24.11	24.26	24.16	21.86	30.00	Pass
30KHz	15MHz	LCH	DFT-256QAM	22.04	22.19	22.19	19.79	30.00	Pass
30KHz	15MHz	LCH	CP-QPSK	24.79	25.01	24.97	22.61	30.00	Pass
30KHz	15MHz	MCH	DFT-Pi2BPSK	26.60	26.50	26.55	24.20	30.00	Pass
30KHz	15MHz	MCH	DFT-QPSK	26.57	26.52	26.61	24.21	30.00	Pass
30KHz	15MHz	MCH	DFT-16QAM	25.42	25.32	25.55	23.15	30.00	Pass
30KHz	15MHz	MCH	DFT-64QAM	24.23	24.18	24.13	21.83	30.00	Pass
30KHz	15MHz	MCH	DFT-256QAM	22.16	22.14	22.16	19.76	30.00	Pass
30KHz	15MHz	MCH	CP-QPSK	25.06	24.91	24.99	22.66	30.00	Pass
30KHz	15MHz	HCH	DFT-Pi2BPSK	26.55	26.65	26.68	24.28	30.00	Pass
30KHz	15MHz	HCH	DFT-QPSK	26.50	26.64	26.67	24.27	30.00	Pass
30KHz	15MHz	HCH	DFT-16QAM	25.28	25.46	25.69	23.29	30.00	Pass
30KHz	15MHz	HCH	DFT-64QAM	24.17	24.24	24.31	21.91	30.00	Pass
30KHz	15MHz	HCH	DFT-256QAM	22.11	22.24	22.26	19.86	30.00	Pass
30KHz	15MHz	HCH	CP-QPSK	24.97	25.09	25.12	22.72	30.00	Pass
30KHz	20MHz	LCH	DFT-Pi2BPSK	26.40	26.59	26.59	24.19	30.00	Pass
30KHz	20MHz	LCH	DFT-QPSK	26.38	26.58	26.62	24.22	30.00	Pass
30KHz	20MHz	LCH	DFT-16QAM	25.35	25.53	25.56	23.16	30.00	Pass
30KHz	20MHz	LCH	DFT-64QAM	24.01	24.22	24.20	21.82	30.00	Pass
30KHz	20MHz	LCH	DFT-256QAM	22.01	22.20	22.21	19.81	30.00	Pass
30KHz	20MHz	LCH	CP-QPSK	24.77	24.99	25.16	22.76	30.00	Pass
30KHz	20MHz	MCH	DFT-Pi2BPSK	26.58	26.58	26.59	24.19	30.00	Pass
30KHz	20MHz	MCH	DFT-QPSK	26.54	26.52	26.61	24.21	30.00	Pass
30KHz	20MHz	MCH	DFT-16QAM	25.49	25.48	25.56	23.16	30.00	Pass
30KHz	20MHz	MCH	DFT-64QAM	24.24	24.25	24.15	21.85	30.00	Pass
30KHz	20MHz	MCH	DFT-256QAM	22.20	22.16	22.15	19.80	30.00	Pass
30KHz	20MHz	MCH	CP-QPSK	24.96	24.94	25.09	22.69	30.00	Pass
30KHz	20MHz	HCH	DFT-Pi2BPSK	26.47	26.68	26.77	24.37	30.00	Pass
30KHz	20MHz	HCH	DFT-QPSK	26.42	26.65	26.72	24.32	30.00	Pass
30KHz	20MHz	HCH	DFT-16QAM	25.36	25.64	25.73	23.33	30.00	Pass
30KHz	20MHz	HCH	DFT-64QAM	24.14	24.31	24.27	21.91	30.00	Pass
30KHz	20MHz	HCH	DFT-256QAM	22.05	22.23	22.32	19.92	30.00	Pass
30KHz	20MHz	HCH	CP-QPSK	24.89	25.10	25.20	22.80	30.00	Pass
30KHz	25MHz	LCH	DFT-Pi2BPSK	26.49	26.77	26.64	24.37	30.00	Pass
30KHz	25MHz	LCH	DFT-QPSK	26.43	26.72	26.62	24.32	30.00	Pass
30KHz	25MHz	LCH	DFT-16QAM	25.41	25.68	25.65	23.28	30.00	Pass
30KHz	25MHz	LCH	DFT-64QAM	24.13	24.33	24.20	21.93	30.00	Pass
30KHz	25MHz	LCH	DFT-256QAM	22.05	22.36	22.19	19.96	30.00	Pass

30KHz	25MHz	LCH	CP-QPSK	24.79	25.13	25.05	22.73	30.00	Pass
30KHz	25MHz	MCH	DFT-Pi2BPSK	26.69	26.67	26.62	24.29	30.00	Pass
30KHz	25MHz	MCH	DFT-QPSK	26.64	26.60	26.60	24.24	30.00	Pass
30KHz	25MHz	MCH	DFT-16QAM	25.56	25.55	25.60	23.20	30.00	Pass
30KHz	25MHz	MCH	DFT-64QAM	24.31	24.29	24.18	21.91	30.00	Pass
30KHz	25MHz	MCH	DFT-256QAM	22.27	22.24	22.16	19.87	30.00	Pass
30KHz	25MHz	MCH	CP-QPSK	25.09	25.04	25.05	22.69	30.00	Pass
30KHz	25MHz	HCH	DFT-Pi2BPSK	26.49	26.82	26.76	24.42	30.00	Pass
30KHz	25MHz	HCH	DFT-QPSK	26.45	26.75	26.72	24.35	30.00	Pass
30KHz	25MHz	HCH	DFT-16QAM	25.41	25.66	25.74	23.34	30.00	Pass
30KHz	25MHz	HCH	DFT-64QAM	24.09	24.39	24.27	21.99	30.00	Pass
30KHz	25MHz	HCH	DFT-256QAM	22.05	22.33	22.30	19.93	30.00	Pass
30KHz	25MHz	HCH	CP-QPSK	24.89	25.18	25.19	22.79	30.00	Pass
30KHz	30MHz	LCH	DFT-Pi2BPSK	26.46	26.85	26.74	24.45	30.00	Pass
30KHz	30MHz	LCH	DFT-QPSK	26.44	26.81	26.69	24.41	30.00	Pass
30KHz	30MHz	LCH	DFT-16QAM	25.45	25.75	25.76	23.36	30.00	Pass
30KHz	30MHz	LCH	DFT-64QAM	24.12	24.50	24.22	22.10	30.00	Pass
30KHz	30MHz	LCH	DFT-256QAM	22.04	22.41	22.24	20.01	30.00	Pass
30KHz	30MHz	LCH	CP-QPSK	24.80	25.29	25.20	22.89	30.00	Pass
30KHz	30MHz	MCH	DFT-Pi2BPSK	26.72	26.65	26.68	24.32	30.00	Pass
30KHz	30MHz	MCH	DFT-QPSK	26.68	26.63	26.60	24.28	30.00	Pass
30KHz	30MHz	MCH	DFT-16QAM	25.63	25.53	25.69	23.29	30.00	Pass
30KHz	30MHz	MCH	DFT-64QAM	24.38	24.30	24.18	21.98	30.00	Pass
30KHz	30MHz	MCH	DFT-256QAM	22.26	22.20	22.15	19.86	30.00	Pass
30KHz	30MHz	MCH	CP-QPSK	25.11	25.09	25.12	22.72	30.00	Pass
30KHz	30MHz	HCH	DFT-Pi2BPSK	26.43	26.82	26.74	24.42	30.00	Pass
30KHz	30MHz	HCH	DFT-QPSK	26.41	26.76	26.71	24.36	30.00	Pass
30KHz	30MHz	HCH	DFT-16QAM	25.34	25.73	25.76	23.36	30.00	Pass
30KHz	30MHz	HCH	DFT-64QAM	24.04	24.46	24.24	22.06	30.00	Pass
30KHz	30MHz	HCH	DFT-256QAM	21.97	22.36	22.23	19.96	30.00	Pass
30KHz	30MHz	HCH	CP-QPSK	24.77	25.17	25.21	22.81	30.00	Pass
30KHz	40MHz	LCH	DFT-Pi2BPSK	26.42	26.82	26.75	24.42	30.00	Pass
30KHz	40MHz	LCH	DFT-QPSK	26.42	26.78	26.73	24.38	30.00	Pass
30KHz	40MHz	LCH	DFT-16QAM	25.31	25.63	25.75	23.35	30.00	Pass
30KHz	40MHz	LCH	DFT-64QAM	24.06	24.42	24.27	22.02	30.00	Pass
30KHz	40MHz	LCH	DFT-256QAM	22.00	22.38	22.33	19.98	30.00	Pass
30KHz	40MHz	LCH	CP-QPSK	24.77	25.19	25.21	22.81	30.00	Pass
30KHz	40MHz	MCH	DFT-Pi2BPSK	26.70	26.72	26.70	24.32	30.00	Pass
30KHz	40MHz	MCH	DFT-QPSK	26.63	26.72	26.66	24.32	30.00	Pass
30KHz	40MHz	MCH	DFT-16QAM	25.61	25.61	25.70	23.30	30.00	Pass
30KHz	40MHz	MCH	DFT-64QAM	24.35	24.34	24.21	21.95	30.00	Pass
30KHz	40MHz	MCH	DFT-256QAM	22.28	22.30	22.25	19.90	30.00	Pass
30KHz	40MHz	MCH	CP-QPSK	25.09	25.13	25.14	22.74	30.00	Pass
30KHz	40MHz	HCH	DFT-Pi2BPSK	26.43	26.88	26.67	24.48	30.00	Pass
30KHz	40MHz	HCH	DFT-QPSK	26.44	26.87	26.62	24.47	30.00	Pass
30KHz	40MHz	HCH	DFT-16QAM	25.23	25.71	25.67	23.31	30.00	Pass
30KHz	40MHz	HCH	DFT-64QAM	24.04	24.52	24.23	22.12	30.00	Pass
30KHz	40MHz	HCH	DFT-256QAM	22.01	22.44	22.21	20.04	30.00	Pass
30KHz	40MHz	HCH	CP-QPSK	24.81	25.22	25.12	22.82	30.00	Pass
30KHz	50MHz	LCH	DFT-Pi2BPSK	26.38	26.62	26.87	24.47	30.00	Pass
30KHz	50MHz	LCH	DFT-QPSK	26.41	26.59	26.84	24.44	30.00	Pass
30KHz	50MHz	LCH	DFT-16QAM	25.32	25.54	25.81	23.41	30.00	Pass
30KHz	50MHz	LCH	DFT-64QAM	24.13	24.28	24.37	21.97	30.00	Pass
30KHz	50MHz	LCH	DFT-256QAM	22.06	22.22	22.43	20.03	30.00	Pass
30KHz	50MHz	LCH	CP-QPSK	24.76	25.02	25.27	22.87	30.00	Pass
30KHz	50MHz	MCH	DFT-Pi2BPSK	26.65	26.69	26.76	24.36	30.00	Pass
30KHz	50MHz	MCH	DFT-QPSK	26.63	26.69	26.71	24.31	30.00	Pass
30KHz	50MHz	MCH	DFT-16QAM	25.50	25.62	25.67	23.27	30.00	Pass
30KHz	50MHz	MCH	DFT-64QAM	24.26	24.33	24.25	21.93	30.00	Pass
30KHz	50MHz	MCH	DFT-256QAM	22.25	22.31	22.28	19.91	30.00	Pass
30KHz	50MHz	MCH	CP-QPSK	24.99	25.08	25.08	22.68	30.00	Pass
30KHz	50MHz	HCH	DFT-Pi2BPSK	26.28	26.85	26.67	24.45	30.00	Pass
30KHz	50MHz	HCH	DFT-QPSK	26.30	26.83	26.65	24.43	30.00	Pass
30KHz	50MHz	HCH	DFT-16QAM	25.19	25.73	25.61	23.33	30.00	Pass

30KHz	50MHz	HCH	DFT-64QAM	23.99	24.48	24.20	22.08	30.00	Pass
30KHz	50MHz	HCH	DFT-256QAM	21.84	22.48	22.23	20.08	30.00	Pass
30KHz	50MHz	HCH	CP-QPSK	24.71	25.26	25.11	22.86	30.00	Pass
30KHz	60MHz	LCH	DFT-Pi2BPSK	26.33	26.67	26.79	24.39	30.00	Pass
30KHz	60MHz	LCH	DFT-QPSK	26.32	26.64	26.77	24.37	30.00	Pass
30KHz	60MHz	LCH	DFT-16QAM	25.30	25.51	25.79	23.39	30.00	Pass
30KHz	60MHz	LCH	DFT-64QAM	24.01	24.33	24.34	21.94	30.00	Pass
30KHz	60MHz	LCH	DFT-256QAM	21.93	22.21	22.39	19.99	30.00	Pass
30KHz	60MHz	LCH	CP-QPSK	24.67	25.08	25.24	22.84	30.00	Pass
30KHz	60MHz	MCH	DFT-Pi2BPSK	26.50	26.74	26.68	24.34	30.00	Pass
30KHz	60MHz	MCH	DFT-QPSK	26.49	26.72	26.63	24.32	30.00	Pass
30KHz	60MHz	MCH	DFT-16QAM	25.44	25.65	25.70	23.30	30.00	Pass
30KHz	60MHz	MCH	DFT-64QAM	24.19	24.37	24.23	21.97	30.00	Pass
30KHz	60MHz	MCH	DFT-256QAM	22.10	22.26	22.24	19.86	30.00	Pass
30KHz	60MHz	MCH	CP-QPSK	24.94	25.09	25.07	22.69	30.00	Pass
30KHz	60MHz	HCH	DFT-Pi2BPSK	26.43	26.86	26.63	24.46	30.00	Pass
30KHz	60MHz	HCH	DFT-QPSK	26.41	26.82	26.59	24.42	30.00	Pass
30KHz	60MHz	HCH	DFT-16QAM	25.37	25.70	25.65	23.30	30.00	Pass
30KHz	60MHz	HCH	DFT-64QAM	24.09	24.51	24.19	22.11	30.00	Pass
30KHz	60MHz	HCH	DFT-256QAM	22.00	22.46	22.20	20.06	30.00	Pass
30KHz	60MHz	HCH	CP-QPSK	24.81	25.35	25.06	22.95	30.00	Pass
30KHz	70MHz	LCH	DFT-Pi2BPSK	26.44	26.76	26.80	24.40	30.00	Pass
30KHz	70MHz	LCH	DFT-QPSK	26.40	26.71	26.81	24.41	30.00	Pass
30KHz	70MHz	LCH	DFT-16QAM	25.35	25.62	25.80	23.40	30.00	Pass
30KHz	70MHz	LCH	DFT-64QAM	24.10	24.39	24.37	21.99	30.00	Pass
30KHz	70MHz	LCH	DFT-256QAM	22.00	22.25	22.42	20.02	30.00	Pass
30KHz	70MHz	LCH	CP-QPSK	24.87	25.17	25.27	22.87	30.00	Pass
30KHz	70MHz	MCH	DFT-Pi2BPSK	26.56	26.86	26.72	24.46	30.00	Pass
30KHz	70MHz	MCH	DFT-QPSK	26.52	26.82	26.70	24.42	30.00	Pass
30KHz	70MHz	MCH	DFT-16QAM	25.46	25.76	25.76	23.36	30.00	Pass
30KHz	70MHz	MCH	DFT-64QAM	24.25	24.48	24.26	22.08	30.00	Pass
30KHz	70MHz	MCH	DFT-256QAM	22.15	22.41	22.33	20.01	30.00	Pass
30KHz	70MHz	MCH	CP-QPSK	24.97	25.30	25.18	22.90	30.00	Pass
30KHz	70MHz	HCH	DFT-Pi2BPSK	26.69	26.99	26.70	24.59	30.00	Pass
30KHz	70MHz	HCH	DFT-QPSK	26.66	26.96	26.68	24.56	30.00	Pass
30KHz	70MHz	HCH	DFT-16QAM	25.59	25.89	25.68	23.49	30.00	Pass
30KHz	70MHz	HCH	DFT-64QAM	24.37	24.66	24.22	22.26	30.00	Pass
30KHz	70MHz	HCH	DFT-256QAM	22.30	22.53	22.29	20.13	30.00	Pass
30KHz	70MHz	HCH	CP-QPSK	25.04	25.38	25.17	22.98	30.00	Pass
30KHz	80MHz	LCH	DFT-Pi2BPSK	26.30	26.80	26.62	24.40	30.00	Pass
30KHz	80MHz	LCH	DFT-QPSK	26.30	26.73	26.65	24.33	30.00	Pass
30KHz	80MHz	LCH	DFT-16QAM	25.15	25.64	25.64	23.24	30.00	Pass
30KHz	80MHz	LCH	DFT-64QAM	24.02	24.42	24.22	22.02	30.00	Pass
30KHz	80MHz	LCH	DFT-256QAM	21.91	22.31	22.29	19.91	30.00	Pass
30KHz	80MHz	LCH	CP-QPSK	24.68	25.24	25.11	22.84	30.00	Pass
30KHz	80MHz	MCH	DFT-Pi2BPSK	26.44	26.97	26.68	24.57	30.00	Pass
30KHz	80MHz	MCH	DFT-QPSK	26.43	26.91	26.66	24.51	30.00	Pass
30KHz	80MHz	MCH	DFT-16QAM	25.33	25.86	25.68	23.46	30.00	Pass
30KHz	80MHz	MCH	DFT-64QAM	24.08	24.63	24.27	22.23	30.00	Pass
30KHz	80MHz	MCH	DFT-256QAM	22.07	22.58	22.30	20.18	30.00	Pass
30KHz	80MHz	MCH	CP-QPSK	24.78	25.39	25.09	22.99	30.00	Pass
30KHz	80MHz	HCH	DFT-Pi2BPSK	26.55	26.99	26.62	24.59	30.00	Pass
30KHz	80MHz	HCH	DFT-QPSK	26.48	26.96	26.60	24.56	30.00	Pass
30KHz	80MHz	HCH	DFT-16QAM	25.39	25.87	25.61	23.47	30.00	Pass
30KHz	80MHz	HCH	DFT-64QAM	24.17	24.61	24.22	22.21	30.00	Pass
30KHz	80MHz	HCH	DFT-256QAM	22.05	22.56	22.22	20.16	30.00	Pass
30KHz	80MHz	HCH	CP-QPSK	24.92	25.39	25.08	22.99	30.00	Pass
30KHz	90MHz	LCH	DFT-Pi2BPSK	25.86	26.44	26.19	24.04	30.00	Pass
30KHz	90MHz	LCH	DFT-QPSK	25.86	26.40	26.18	24.00	30.00	Pass
30KHz	90MHz	LCH	DFT-16QAM	24.66	25.29	25.20	22.89	30.00	Pass
30KHz	90MHz	LCH	DFT-64QAM	23.58	24.04	23.72	21.64	30.00	Pass
30KHz	90MHz	LCH	DFT-256QAM	21.44	22.00	21.79	19.60	30.00	Pass
30KHz	90MHz	LCH	CP-QPSK	24.24	24.87	24.62	22.47	30.00	Pass
30KHz	90MHz	MCH	DFT-Pi2BPSK	25.85	26.52	26.15	24.12	30.00	Pass

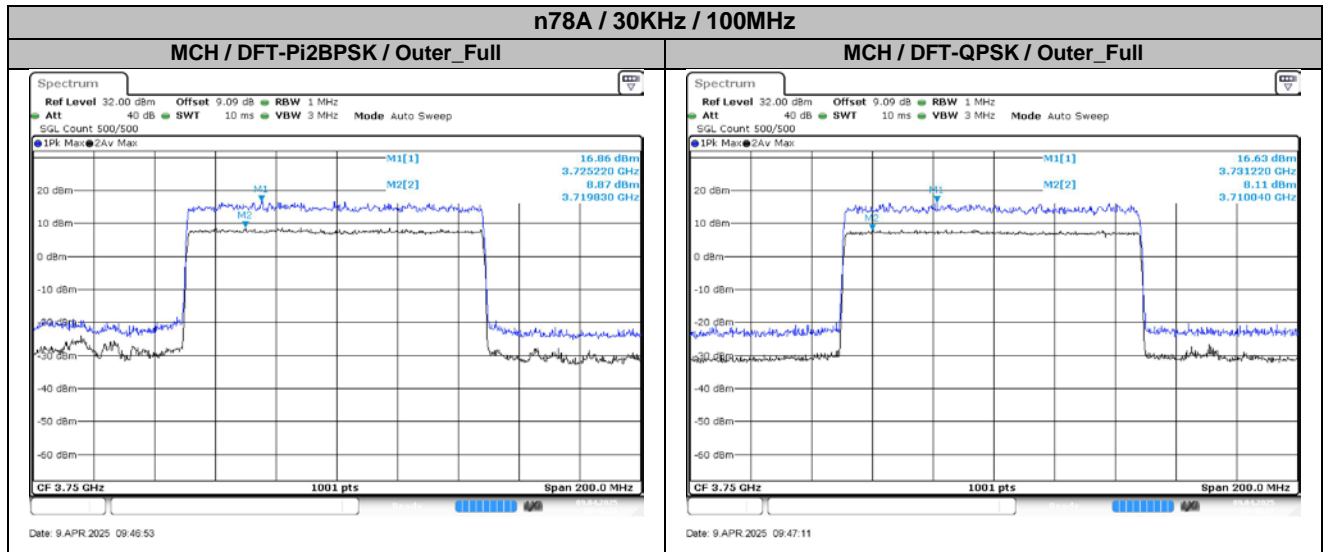
30KHz	90MHz	MCH	DFT-QPSK	25.86	26.51	26.17	24.11	30.00	Pass
30KHz	90MHz	MCH	DFT-16QAM	24.67	25.37	25.14	22.97	30.00	Pass
30KHz	90MHz	MCH	DFT-64QAM	23.49	24.11	23.70	21.71	30.00	Pass
30KHz	90MHz	MCH	DFT-256QAM	21.42	22.03	21.78	19.63	30.00	Pass
30KHz	90MHz	MCH	CP-QPSK	24.20	24.84	24.61	22.44	30.00	Pass
30KHz	90MHz	HCH	DFT-Pi2BPSK	25.83	26.45	26.04	24.05	30.00	Pass
30KHz	90MHz	HCH	DFT-QPSK	25.85	26.45	26.07	24.05	30.00	Pass
30KHz	90MHz	HCH	DFT-16QAM	24.68	25.31	25.09	22.91	30.00	Pass
30KHz	90MHz	HCH	DFT-64QAM	23.47	24.08	23.64	21.68	30.00	Pass
30KHz	90MHz	HCH	DFT-256QAM	21.43	22.04	21.68	19.64	30.00	Pass
30KHz	90MHz	HCH	CP-QPSK	24.18	24.77	24.54	22.37	30.00	Pass
30KHz	100MHz	MCH	DFT-Pi2BPSK	25.83	26.50	26.07	24.10	30.00	Pass
30KHz	100MHz	MCH	DFT-QPSK	25.81	26.51	26.17	24.11	30.00	Pass
30KHz	100MHz	MCH	DFT-16QAM	24.64	25.31	25.18	22.91	30.00	Pass
30KHz	100MHz	MCH	DFT-64QAM	23.46	24.11	23.70	21.71	30.00	Pass
30KHz	100MHz	MCH	DFT-256QAM	21.40	22.08	21.75	19.68	30.00	Pass
30KHz	100MHz	MCH	CP-QPSK	24.15	24.87	24.56	22.47	30.00	Pass

## 2. Peak-to-Average Ratio

### 2.1. Test Results

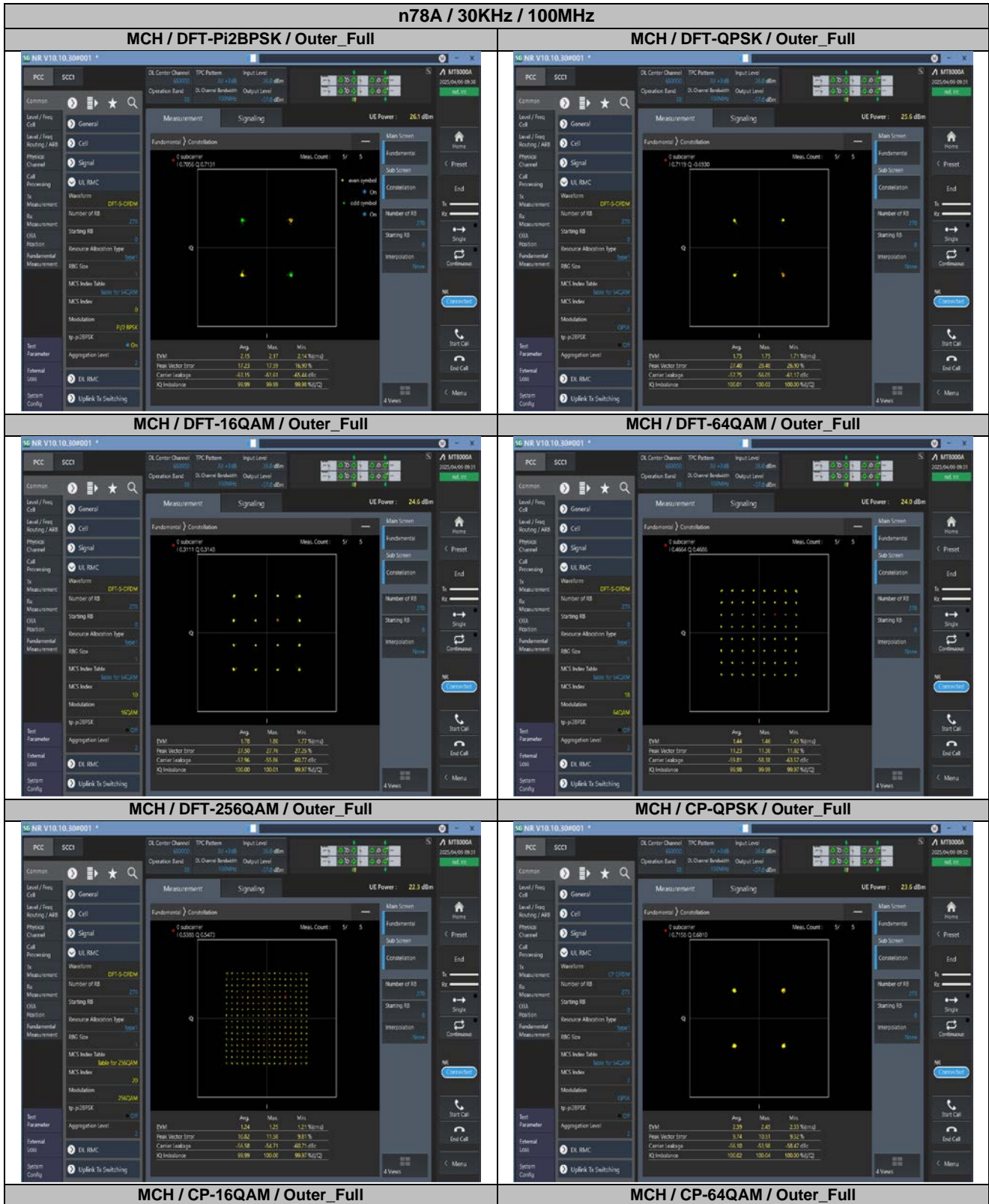
SCS	Bandwidth	Channel	RB	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
30KHz	100MHz	MCH	Outer_Full	7.99	8.51	13.00	Pass

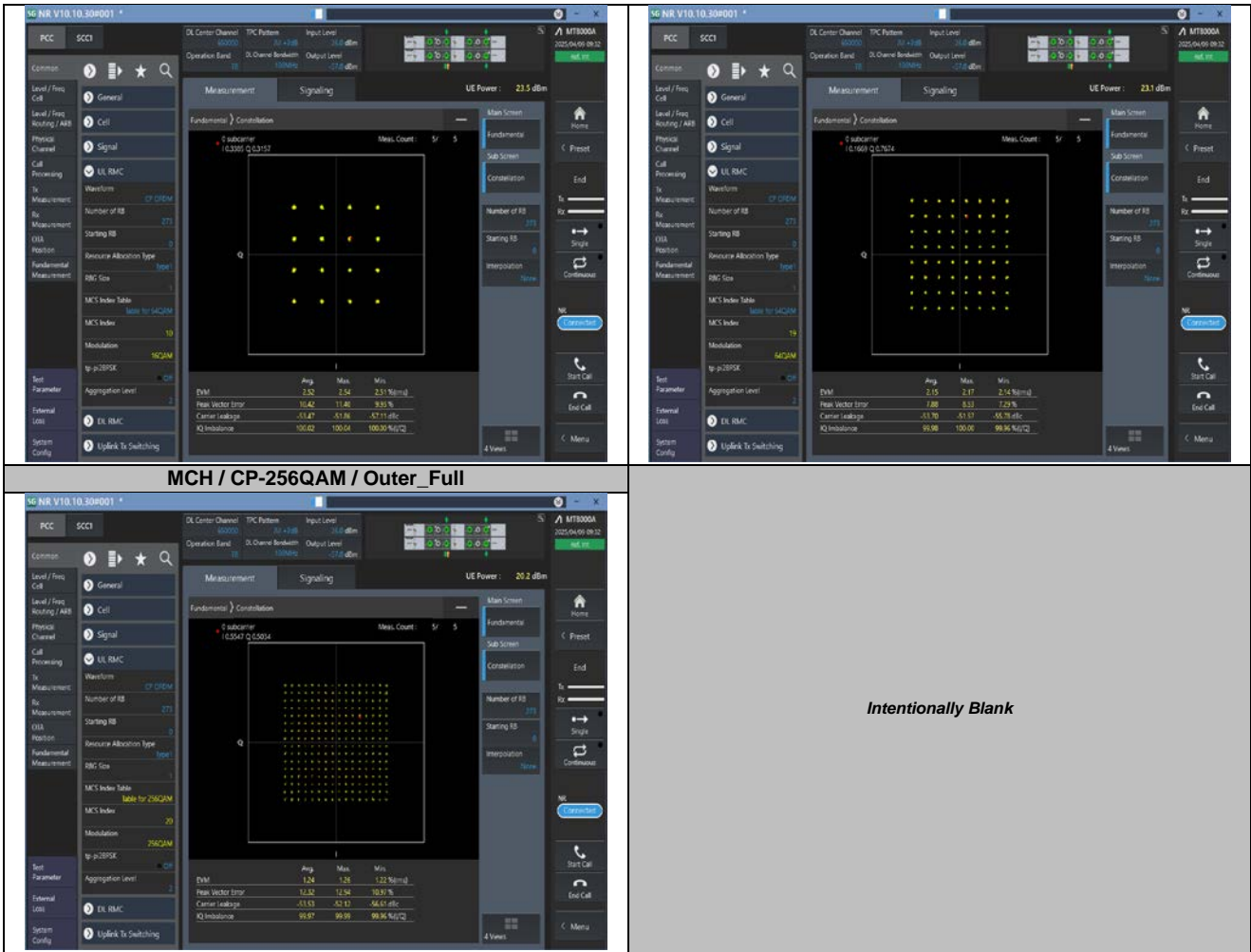
### 2.2. Test Plots for SCS=30KHz



### 3. Modulation Characteristics

#### 3.1. Test Plots for SCS=30KHz





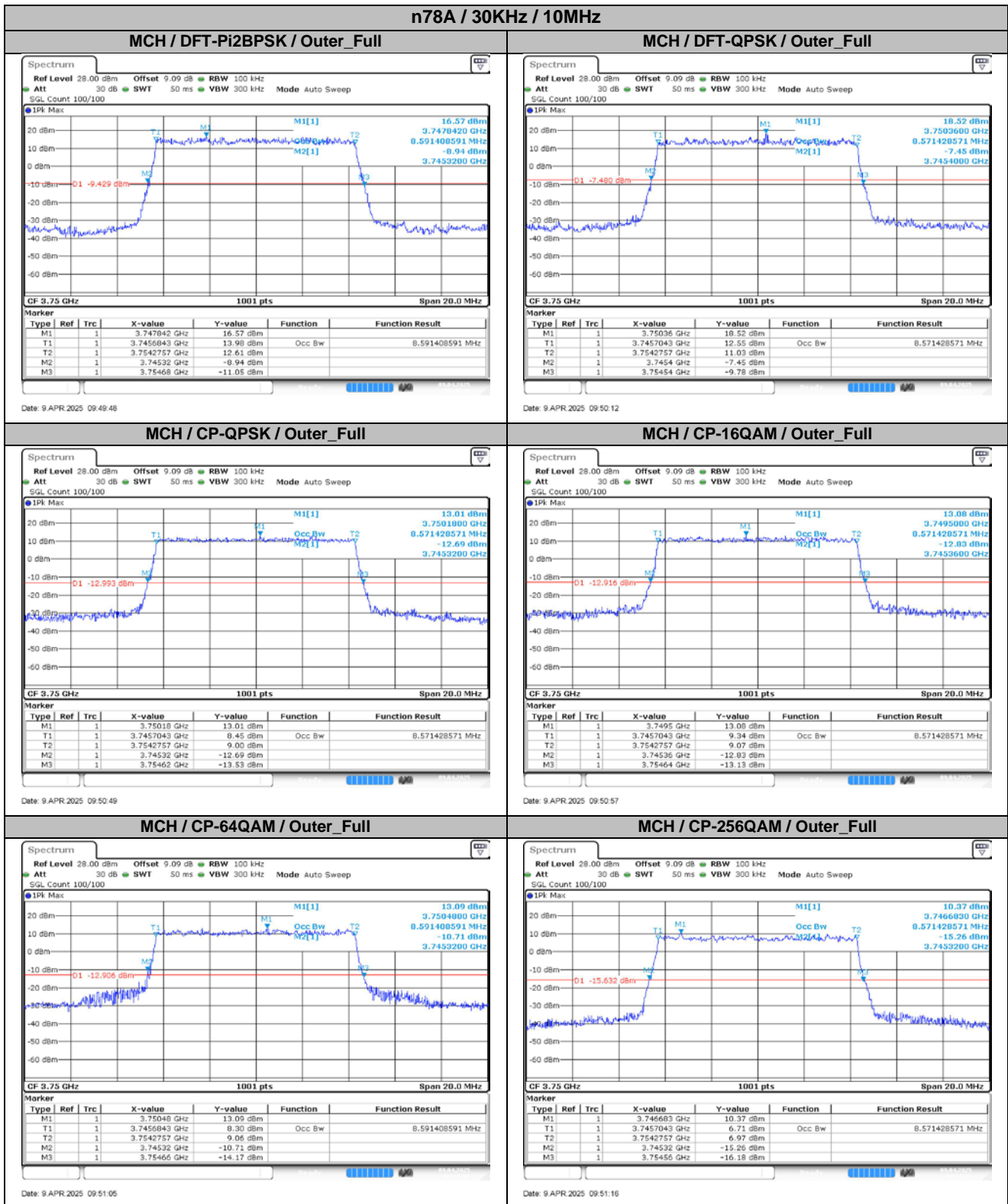
### 4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

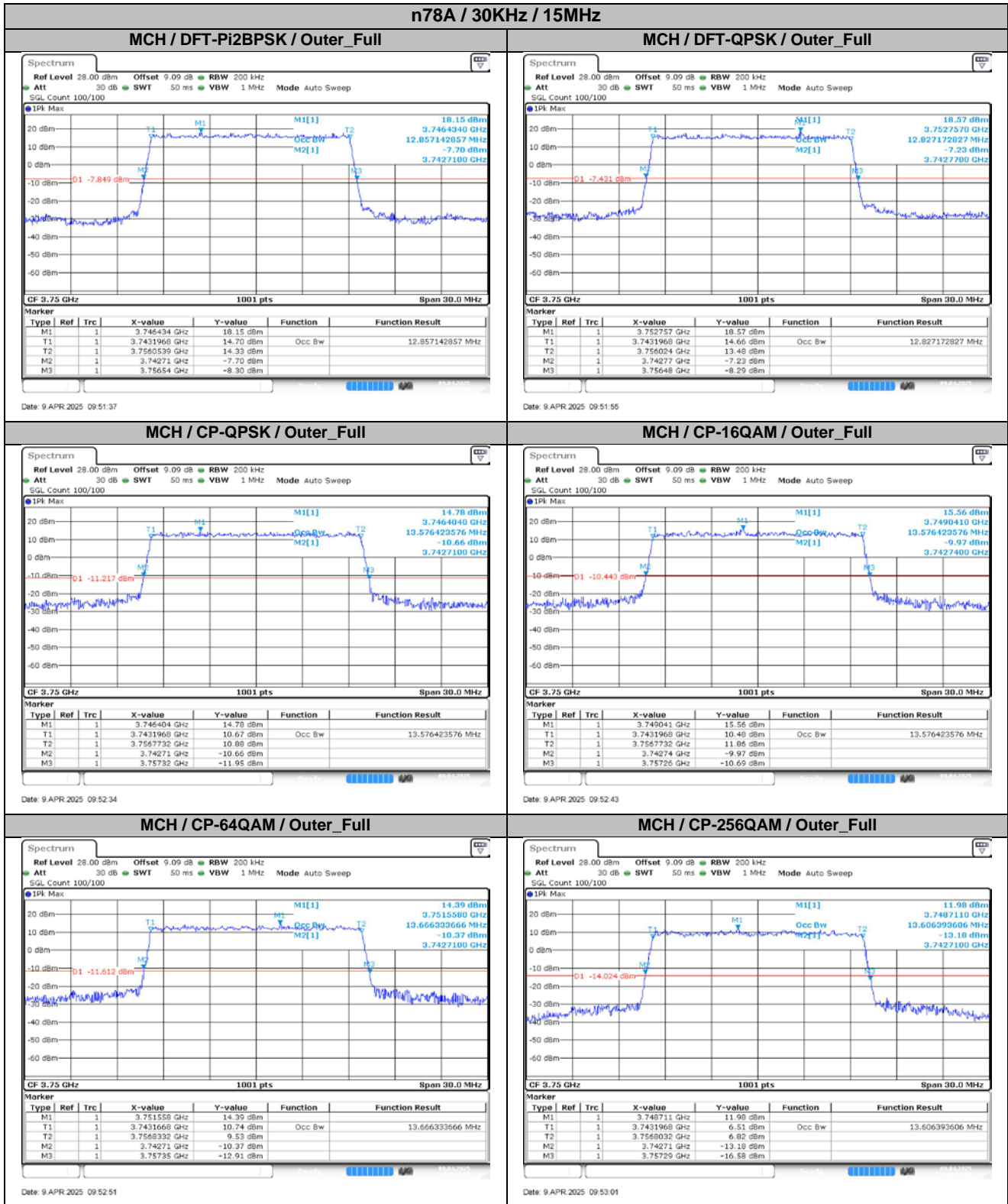
#### 4.1. Test Results

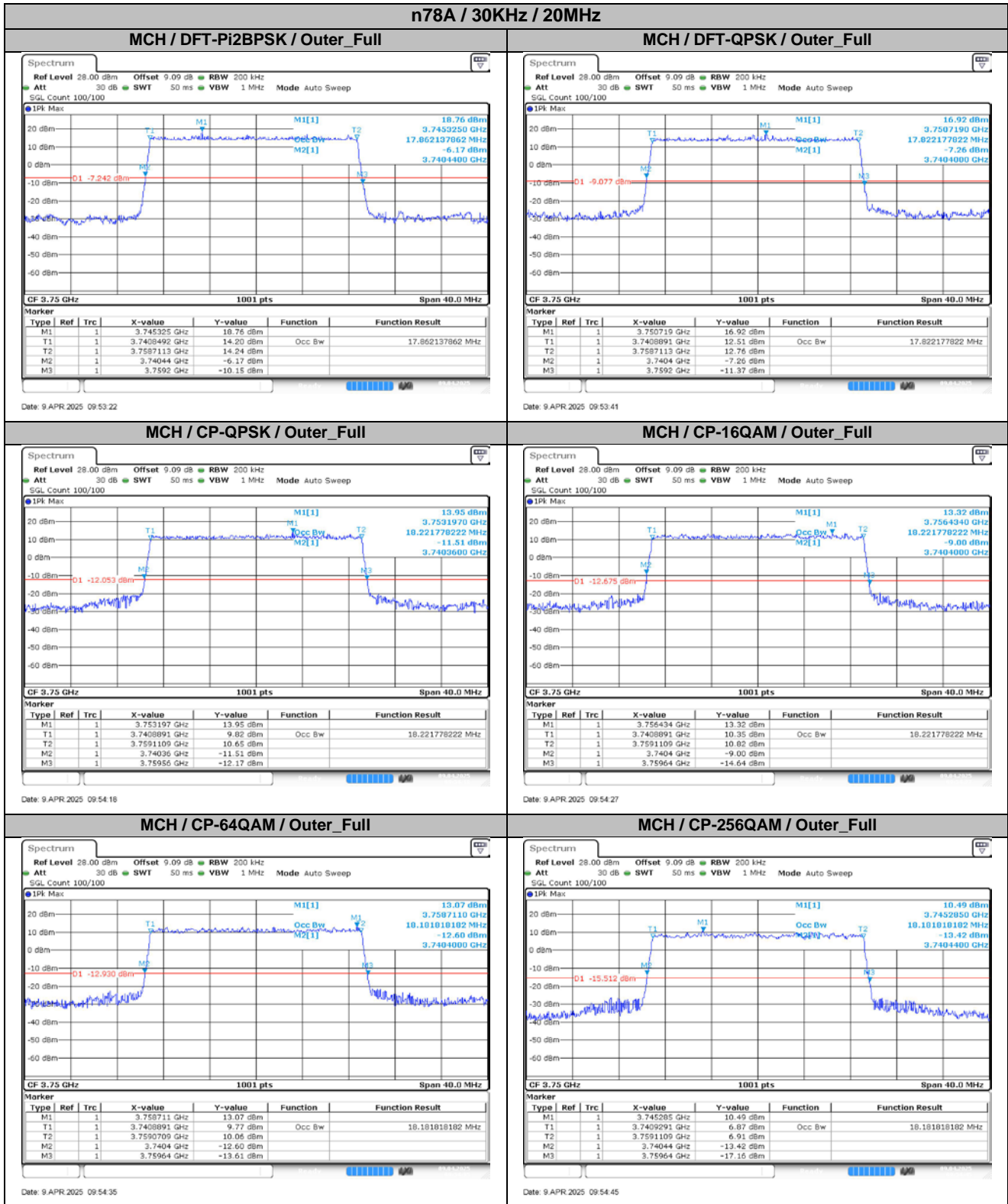
SCS	Bandwidth	Modulation	RB	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
30KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.59	9.36	Pass
30KHz	10MHz	DFT-QPSK	Outer_Full	8.57	9.14	Pass
30KHz	10MHz	CP-QPSK	Outer_Full	8.57	9.30	Pass
30KHz	10MHz	CP-16QAM	Outer_Full	8.57	9.28	Pass
30KHz	10MHz	CP-64QAM	Outer_Full	8.59	9.34	Pass
30KHz	10MHz	CP-256QAM	Outer_Full	8.57	9.24	Pass
30KHz	15MHz	DFT-Pi2BPSK	Outer_Full	12.86	13.83	Pass
30KHz	15MHz	DFT-QPSK	Outer_Full	12.83	13.71	Pass
30KHz	15MHz	CP-QPSK	Outer_Full	13.58	14.61	Pass
30KHz	15MHz	CP-16QAM	Outer_Full	13.58	14.52	Pass
30KHz	15MHz	CP-64QAM	Outer_Full	13.67	14.64	Pass
30KHz	15MHz	CP-256QAM	Outer_Full	13.61	14.58	Pass
30KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.86	18.76	Pass
30KHz	20MHz	DFT-QPSK	Outer_Full	17.82	18.80	Pass
30KHz	20MHz	CP-QPSK	Outer_Full	18.22	19.20	Pass
30KHz	20MHz	CP-16QAM	Outer_Full	18.22	19.24	Pass
30KHz	20MHz	CP-64QAM	Outer_Full	18.18	19.24	Pass
30KHz	20MHz	CP-256QAM	Outer_Full	18.18	19.20	Pass
30KHz	25MHz	DFT-Pi2BPSK	Outer_Full	22.88	24.10	Pass
30KHz	25MHz	DFT-QPSK	Outer_Full	22.88	24.05	Pass
30KHz	25MHz	CP-QPSK	Outer_Full	23.18	24.45	Pass
30KHz	25MHz	CP-16QAM	Outer_Full	23.28	24.45	Pass
30KHz	25MHz	CP-64QAM	Outer_Full	23.23	24.35	Pass

30KHz	25MHz	CP-256QAM	Outer_Full	23.23	24.40	Pass
30KHz	30MHz	DFT-Pi2BPSK	Outer_Full	26.79	28.20	Pass
30KHz	30MHz	DFT-QPSK	Outer_Full	26.79	28.38	Pass
30KHz	30MHz	CP-QPSK	Outer_Full	27.75	29.40	Pass
30KHz	30MHz	CP-16QAM	Outer_Full	27.87	29.22	Pass
30KHz	30MHz	CP-64QAM	Outer_Full	27.75	29.28	Pass
30KHz	30MHz	CP-256QAM	Outer_Full	27.87	29.40	Pass
30KHz	40MHz	DFT-Pi2BPSK	Outer_Full	35.72	37.68	Pass
30KHz	40MHz	DFT-QPSK	Outer_Full	35.80	37.60	Pass
30KHz	40MHz	CP-QPSK	Outer_Full	37.80	39.60	Pass
30KHz	40MHz	CP-16QAM	Outer_Full	37.80	39.84	Pass
30KHz	40MHz	CP-64QAM	Outer_Full	37.80	39.76	Pass
30KHz	40MHz	CP-256QAM	Outer_Full	37.72	39.76	Pass
30KHz	50MHz	DFT-Pi2BPSK	Outer_Full	45.65	47.80	Pass
30KHz	50MHz	DFT-QPSK	Outer_Full	45.75	47.80	Pass
30KHz	50MHz	CP-QPSK	Outer_Full	47.55	49.40	Pass
30KHz	50MHz	CP-16QAM	Outer_Full	47.45	49.60	Pass
30KHz	50MHz	CP-64QAM	Outer_Full	47.55	49.40	Pass
30KHz	50MHz	CP-256QAM	Outer_Full	47.45	49.60	Pass
30KHz	60MHz	DFT-Pi2BPSK	Outer_Full	57.90	60.60	Pass
30KHz	60MHz	DFT-QPSK	Outer_Full	57.90	60.84	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	57.90	60.72	Pass
30KHz	70MHz	DFT-Pi2BPSK	Outer_Full	64.34	67.06	Pass
30KHz	70MHz	DFT-QPSK	Outer_Full	64.34	67.34	Pass
30KHz	70MHz	CP-QPSK	Outer_Full	67.41	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	67.41	70.56	Pass
30KHz	80MHz	DFT-Pi2BPSK	Outer_Full	77.04	80.32	Pass
30KHz	80MHz	DFT-QPSK	Outer_Full	76.88	80.32	Pass
30KHz	80MHz	CP-QPSK	Outer_Full	77.36	80.48	Pass
30KHz	80MHz	CP-16QAM	Outer_Full	77.36	80.64	Pass
30KHz	80MHz	CP-64QAM	Outer_Full	77.36	80.48	Pass
30KHz	80MHz	CP-256QAM	Outer_Full	77.36	80.48	Pass
30KHz	90MHz	DFT-Pi2BPSK	Outer_Full	86.67	89.82	Pass
30KHz	90MHz	DFT-QPSK	Outer_Full	86.49	90.00	Pass
30KHz	90MHz	CP-QPSK	Outer_Full	87.39	90.72	Pass
30KHz	90MHz	CP-16QAM	Outer_Full	87.39	90.54	Pass
30KHz	90MHz	CP-64QAM	Outer_Full	87.39	90.72	Pass
30KHz	90MHz	CP-256QAM	Outer_Full	87.39	90.54	Pass
30KHz	100MHz	DFT-Pi2BPSK	Outer_Full	96.30	99.60	Pass
30KHz	100MHz	DFT-QPSK	Outer_Full	96.30	99.60	Pass
30KHz	100MHz	CP-QPSK	Outer_Full	97.50	100.80	Pass
30KHz	100MHz	CP-16QAM	Outer_Full	97.10	100.80	Pass
30KHz	100MHz	CP-64QAM	Outer_Full	97.30	101.00	Pass
30KHz	100MHz	CP-256QAM	Outer_Full	97.30	100.80	Pass

4.2. Test Plots for SCS=30KHz

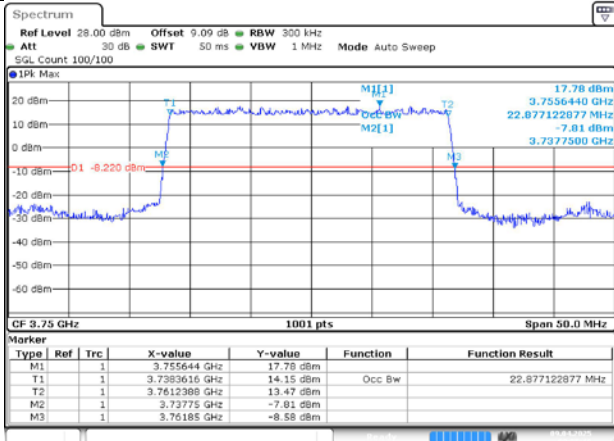






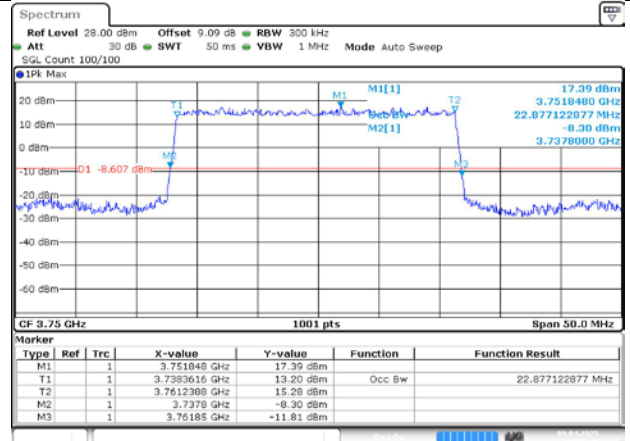
n78A / 30kHz / 25MHz

MCH / DFT-Pi2BPSK / Outer\_Full



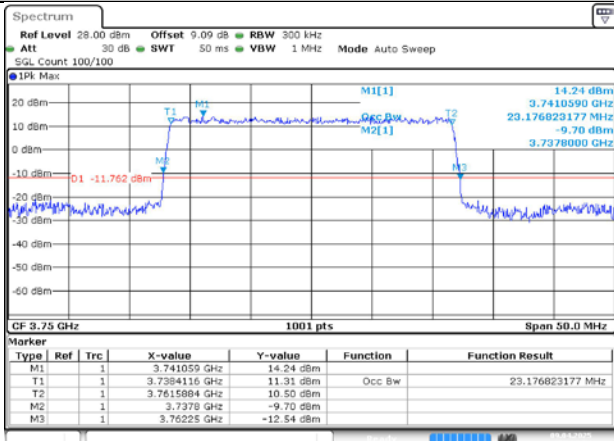
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MCH / DFT-QPSK / Outer\_Full



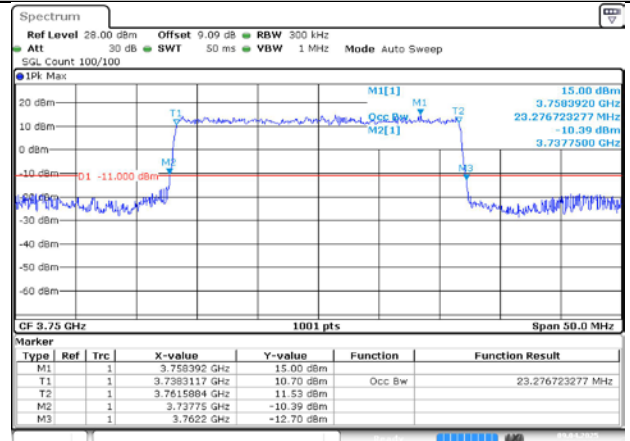
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MCH / CP-QPSK / Outer\_Full



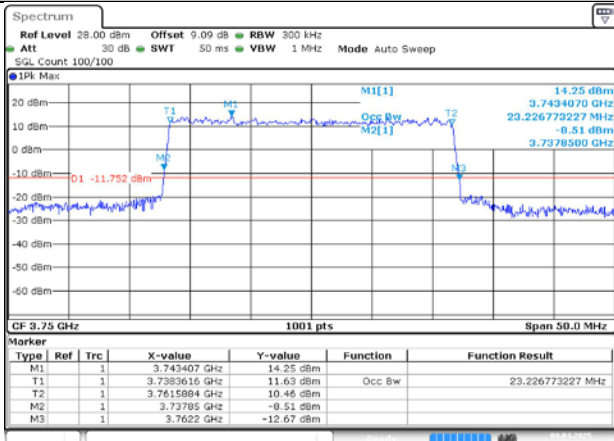
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MCH / CP-16QAM / Outer\_Full



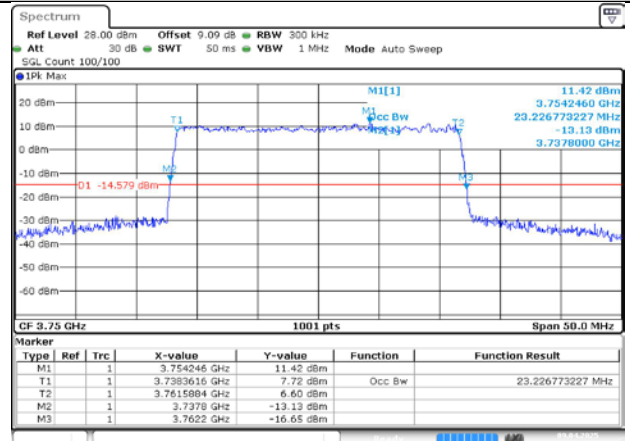
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MCH / CP-64QAM / Outer\_Full



Date: 9 APR 2025 09:55:19

MCH / CP-256QAM / Outer\_Full



Date: 9 APR 2025 09:56:28

