

**Appendix  
for  
DC\_7A\_n5A  
(824-849)**

## Catalogue

<b>1.</b>	<b>EFFECTIVE RADIATED POWER .....</b>	<b>3</b>
1.1.	TEST RESULTS @ ANT0 (ANTENNA GAIN=-6.28DBI) .....	3
<b>2.</b>	<b>PEAK-TO-AVERAGE RATIO .....</b>	<b>5</b>
2.1.	TEST RESULTS .....	5
2.2.	TEST PLOTS.....	5
<b>3.</b>	<b>MODULATION CHARACTERISTICS .....</b>	<b>6</b>
3.1.	TEST PLOTS.....	6
<b>4.</b>	<b>99% OCCUPIED BANDWIDTH &amp; 26DB EMISSION BANDWIDTH .....</b>	<b>8</b>
4.1.	TEST RESULTS .....	8
4.2.	TEST PLOTS.....	9
<b>5.</b>	<b>CONDUCTED BAND EDGES .....</b>	<b>13</b>
5.1.	TEST PLOTS.....	13
<b>6.</b>	<b>CONDUCTED SPURIOUS EMISSION .....</b>	<b>19</b>
6.1.	TEST PLOTS.....	19
<b>7.</b>	<b>FREQUENCY STABILITY .....</b>	<b>23</b>
7.1.	TEST RESULTS .....	23

## 1. Effective Radiated Power

### 1.1. Test Results @ Ant0 (Antenna Gain=-6.28dBi)

SCS	Bandwidth	Channel	Modulation	Conducted Result (dBm)			Max ERP (dBm)	Limit (dBm)	Verdict
				Inner_1RB_Left	Inner_1RB_Right	Inner_Full			
15KHz	5MHz	LCH	DFT-Pi2BPSK	22.69	22.65	22.77	14.34	38.45	Pass
15KHz	5MHz	LCH	DFT-QPSK	22.70	22.69	22.76	14.33	38.45	Pass
15KHz	5MHz	LCH	DFT-16QAM	21.79	21.77	21.72	13.42	38.45	Pass
15KHz	5MHz	LCH	DFT-64QAM	20.22	20.22	20.26	11.79	38.45	Pass
15KHz	5MHz	LCH	DFT-256QAM	18.11	18.11	18.27	9.83	38.45	Pass
15KHz	5MHz	LCH	CP-QPSK	20.93	20.94	21.24	12.86	38.45	Pass
15KHz	5MHz	MCH	DFT-Pi2BPSK	22.64	22.63	22.70	14.24	38.45	Pass
15KHz	5MHz	MCH	DFT-QPSK	22.65	22.66	22.71	14.27	38.45	Pass
15KHz	5MHz	MCH	DFT-16QAM	21.76	21.79	21.68	13.38	38.45	Pass
15KHz	5MHz	MCH	DFT-64QAM	20.19	20.21	20.21	11.93	38.45	Pass
15KHz	5MHz	MCH	DFT-256QAM	18.11	18.09	18.21	9.76	38.45	Pass
15KHz	5MHz	MCH	CP-QPSK	20.90	20.98	21.19	12.79	38.45	Pass
15KHz	5MHz	HCH	DFT-Pi2BPSK	22.68	22.79	22.85	14.43	38.45	Pass
15KHz	5MHz	HCH	DFT-QPSK	22.69	22.74	22.86	14.44	38.45	Pass
15KHz	5MHz	HCH	DFT-16QAM	21.81	21.89	21.79	13.60	38.45	Pass
15KHz	5MHz	HCH	DFT-64QAM	20.23	20.33	20.35	11.89	38.45	Pass
15KHz	5MHz	HCH	DFT-256QAM	18.10	18.27	18.39	9.95	38.45	Pass
15KHz	5MHz	HCH	CP-QPSK	20.97	21.08	21.29	12.97	38.45	Pass
15KHz	10MHz	LCH	DFT-Pi2BPSK	22.69	22.74	22.73	14.28	38.45	Pass
15KHz	10MHz	LCH	DFT-QPSK	22.68	22.71	22.69	14.27	38.45	Pass
15KHz	10MHz	LCH	DFT-16QAM	21.78	21.82	21.71	13.43	38.45	Pass
15KHz	10MHz	LCH	DFT-64QAM	20.24	20.31	20.28	12.00	38.45	Pass
15KHz	10MHz	LCH	DFT-256QAM	18.12	18.19	18.20	9.77	38.45	Pass
15KHz	10MHz	LCH	CP-QPSK	21.03	21.05	21.20	12.80	38.45	Pass
15KHz	10MHz	MCH	DFT-Pi2BPSK	22.64	22.71	22.69	14.25	38.45	Pass
15KHz	10MHz	MCH	DFT-QPSK	22.62	22.72	22.70	14.25	38.45	Pass
15KHz	10MHz	MCH	DFT-16QAM	21.71	21.79	21.66	13.39	38.45	Pass
15KHz	10MHz	MCH	DFT-64QAM	20.20	20.28	20.25	11.98	38.45	Pass
15KHz	10MHz	MCH	DFT-256QAM	18.03	18.16	18.16	9.78	38.45	Pass
15KHz	10MHz	MCH	CP-QPSK	20.95	21.01	21.17	12.72	38.45	Pass
15KHz	10MHz	HCH	DFT-Pi2BPSK	22.69	22.86	22.77	14.40	38.45	Pass
15KHz	10MHz	HCH	DFT-QPSK	22.66	22.81	22.77	14.43	38.45	Pass
15KHz	10MHz	HCH	DFT-16QAM	21.77	21.99	21.76	13.56	38.45	Pass
15KHz	10MHz	HCH	DFT-64QAM	20.26	20.46	20.33	12.17	38.45	Pass
15KHz	10MHz	HCH	DFT-256QAM	18.14	18.33	18.27	9.97	38.45	Pass
15KHz	10MHz	HCH	CP-QPSK	21.00	21.14	21.24	12.84	38.45	Pass
15KHz	15MHz	LCH	DFT-Pi2BPSK	22.67	22.71	22.74	14.27	38.45	Pass
15KHz	15MHz	LCH	DFT-QPSK	22.67	22.72	22.71	14.28	38.45	Pass
15KHz	15MHz	LCH	DFT-16QAM	21.76	21.82	21.74	13.39	38.45	Pass
15KHz	15MHz	LCH	DFT-64QAM	20.24	20.30	20.25	11.97	38.45	Pass
15KHz	15MHz	LCH	DFT-256QAM	18.10	18.16	18.19	9.77	38.45	Pass
15KHz	15MHz	LCH	CP-QPSK	21.04	21.10	21.23	12.75	38.45	Pass
15KHz	15MHz	MCH	DFT-Pi2BPSK	22.63	22.75	22.70	14.28	38.45	Pass
15KHz	15MHz	MCH	DFT-QPSK	22.63	22.72	22.70	14.29	38.45	Pass
15KHz	15MHz	MCH	DFT-16QAM	21.72	21.82	21.72	13.44	38.45	Pass
15KHz	15MHz	MCH	DFT-64QAM	20.19	20.29	20.20	12.01	38.45	Pass
15KHz	15MHz	MCH	DFT-256QAM	18.06	18.17	18.18	9.78	38.45	Pass
15KHz	15MHz	MCH	CP-QPSK	20.98	21.13	21.21	12.73	38.45	Pass
15KHz	15MHz	HCH	DFT-Pi2BPSK	22.67	22.86	22.71	14.40	38.45	Pass
15KHz	15MHz	HCH	DFT-QPSK	22.67	22.79	22.72	14.40	38.45	Pass
15KHz	15MHz	HCH	DFT-16QAM	21.77	21.97	21.73	13.52	38.45	Pass
15KHz	15MHz	HCH	DFT-64QAM	20.26	20.45	20.23	12.16	38.45	Pass
15KHz	15MHz	HCH	DFT-256QAM	18.12	18.29	18.19	9.92	38.45	Pass
15KHz	15MHz	HCH	CP-QPSK	20.98	21.20	21.23	12.90	38.45	Pass
15KHz	20MHz	LCH	DFT-Pi2BPSK	22.72	22.76	22.73	14.31	38.45	Pass
15KHz	20MHz	LCH	DFT-QPSK	22.70	22.78	22.72	14.32	38.45	Pass
15KHz	20MHz	LCH	DFT-16QAM	21.79	21.88	21.69	13.48	38.45	Pass
15KHz	20MHz	LCH	DFT-64QAM	20.26	20.36	20.21	12.03	38.45	Pass

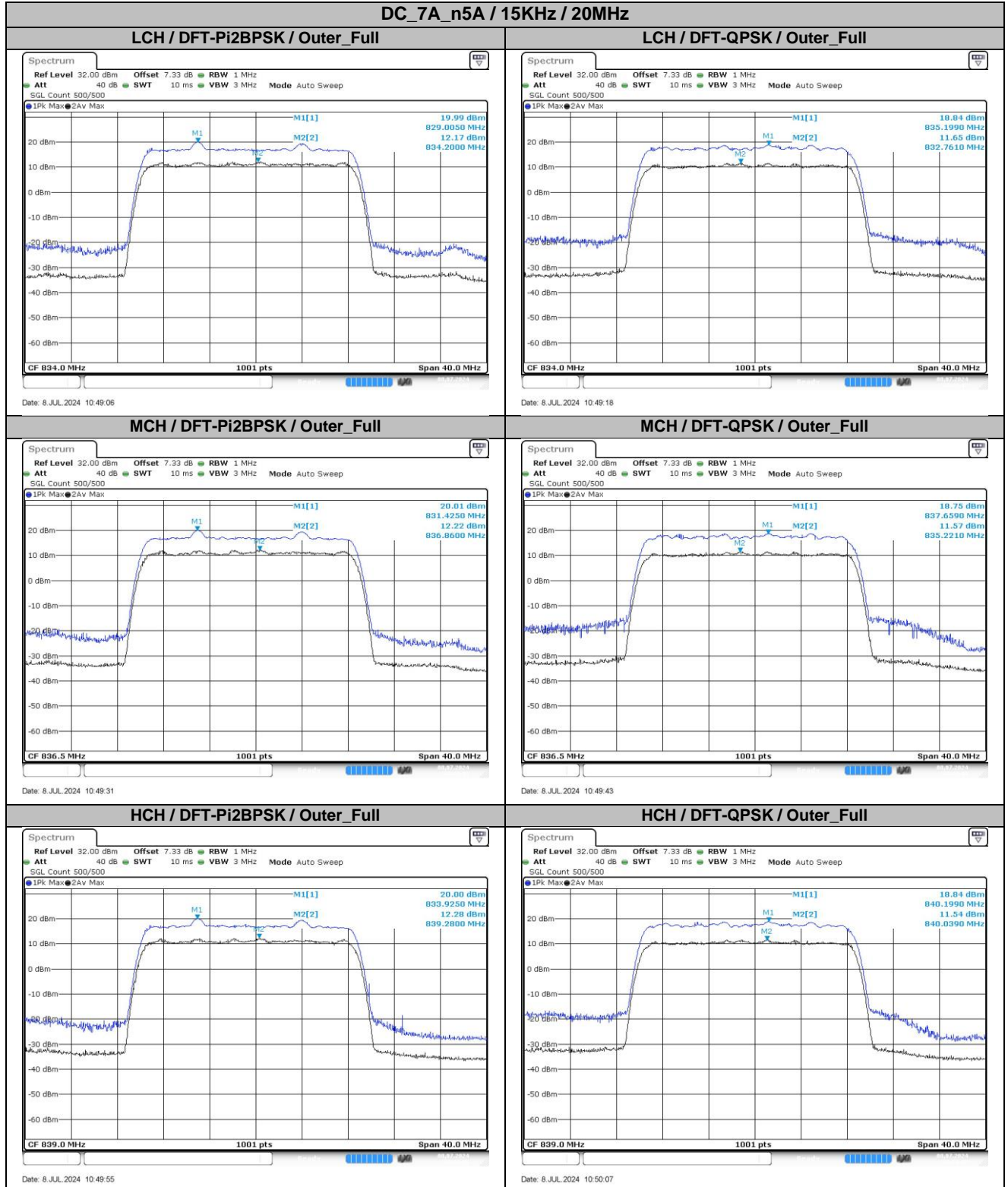
15KHz	20MHz	LCH	DFT-256QAM	18.12	18.20	18.20	9.80	38.45	Pass
15KHz	20MHz	LCH	CP-QPSK	21.04	21.08	21.19	12.74	38.45	Pass
15KHz	20MHz	MCH	DFT-Pi2BPSK	22.64	22.80	22.72	14.36	38.45	Pass
15KHz	20MHz	MCH	DFT-QPSK	22.64	22.80	22.72	14.36	38.45	Pass
15KHz	20MHz	MCH	DFT-16QAM	21.73	21.91	21.72	13.49	38.45	Pass
15KHz	20MHz	MCH	DFT-64QAM	20.22	20.40	20.22	12.12	38.45	Pass
15KHz	20MHz	MCH	DFT-256QAM	18.08	18.24	18.22	9.87	38.45	Pass
15KHz	20MHz	MCH	CP-QPSK	20.99	21.11	21.21	12.74	38.45	Pass
15KHz	20MHz	HCH	DFT-Pi2BPSK	22.62	22.85	22.73	14.39	38.45	Pass
15KHz	20MHz	HCH	DFT-QPSK	22.63	22.79	22.74	14.40	38.45	Pass
15KHz	20MHz	HCH	DFT-16QAM	21.74	21.98	21.71	13.52	38.45	Pass
15KHz	20MHz	HCH	DFT-64QAM	20.21	20.48	20.23	12.15	38.45	Pass
15KHz	20MHz	HCH	DFT-256QAM	18.06	18.32	18.23	9.95	38.45	Pass
15KHz	20MHz	HCH	CP-QPSK	20.96	21.15	21.22	12.80	38.45	Pass

## 2. Peak-to-Average Ratio

### 2.1. Test Results

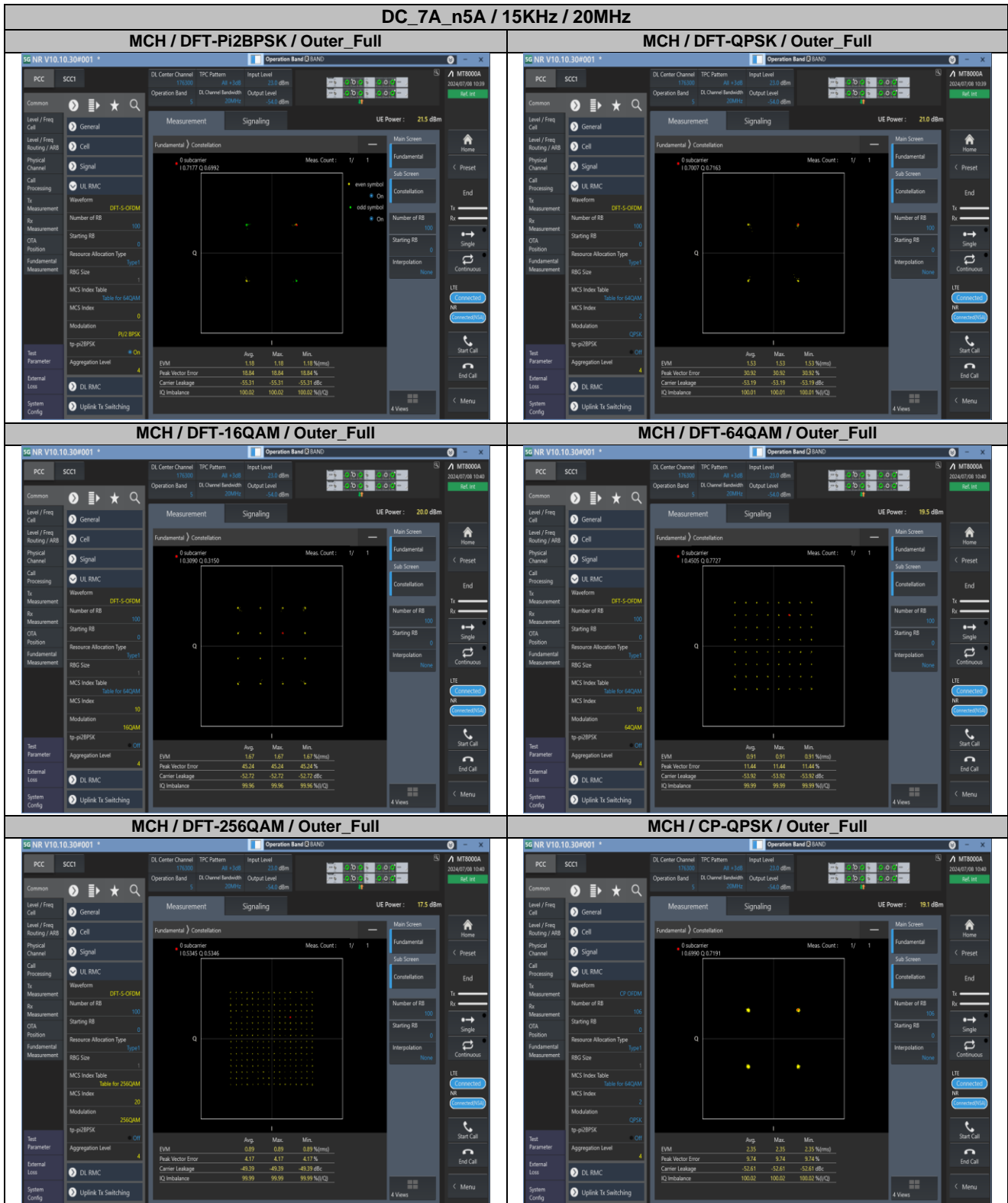
SCS	Bandwidth	Channel	RB	Result (dB)		Limit (dB)	Verdict
				DFT-Pi2BPSK	DFT-QPSK		
15KHz	20MHz	LCH	Outer_Full	7.82	7.20	13.00	Pass
15KHz	20MHz	MCH	Outer_Full	7.79	7.18	13.00	Pass
15KHz	20MHz	HCH	Outer_Full	7.72	7.30	13.00	Pass

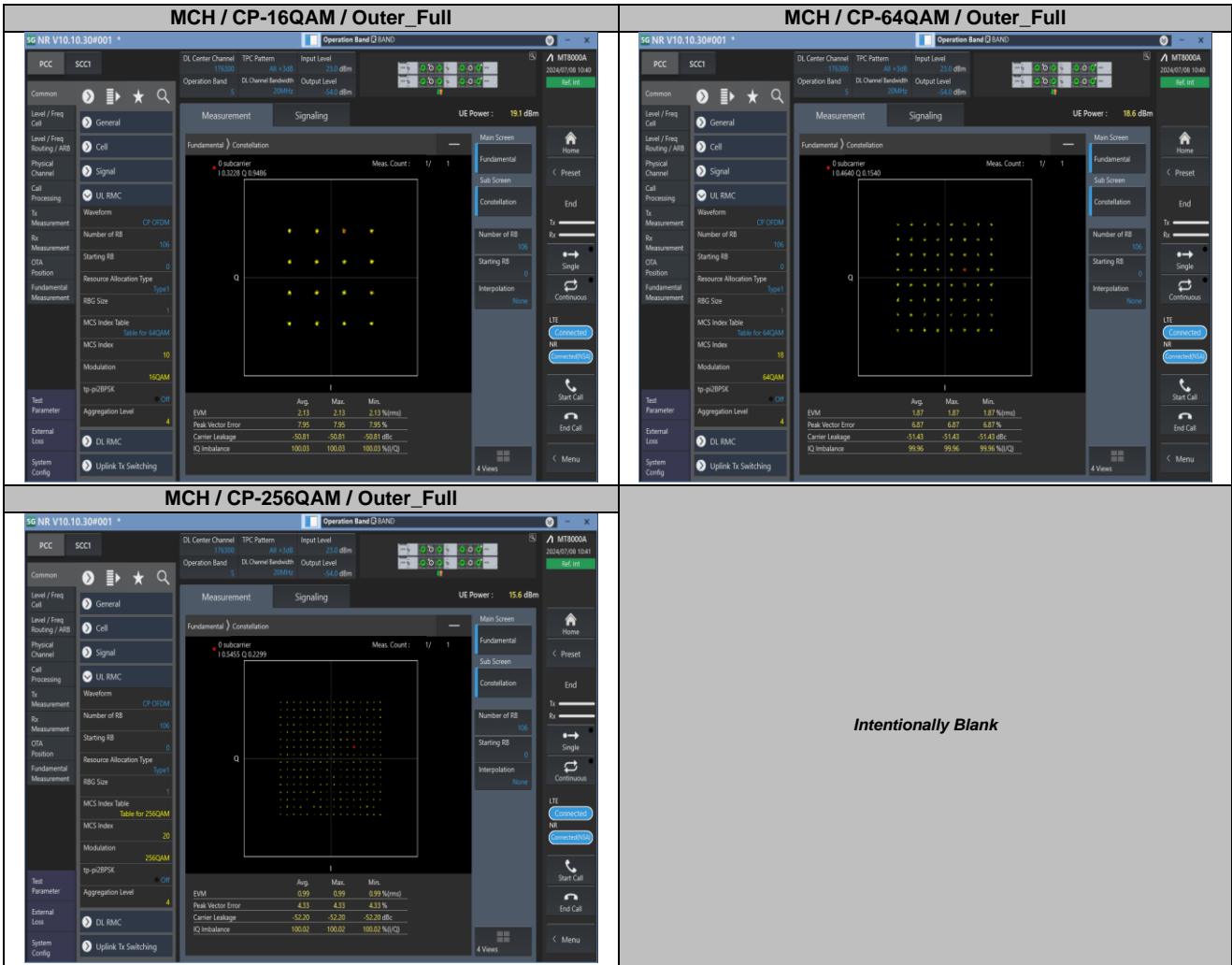
### 2.2. Test Plots



### 3. Modulation Characteristics

#### 3.1. Test Plots





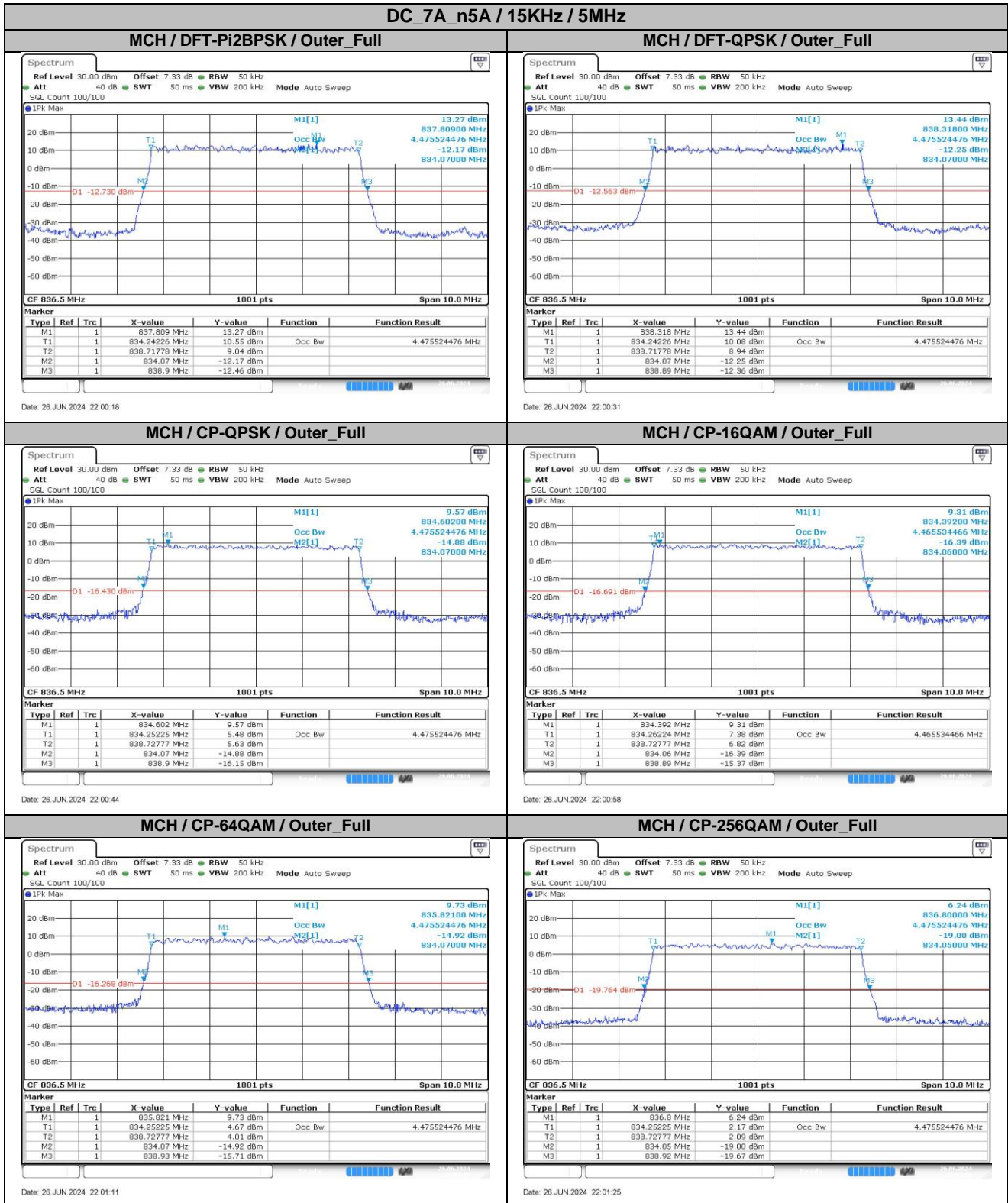
## 4. 99% Occupied Bandwidth & 26dB Emission Bandwidth

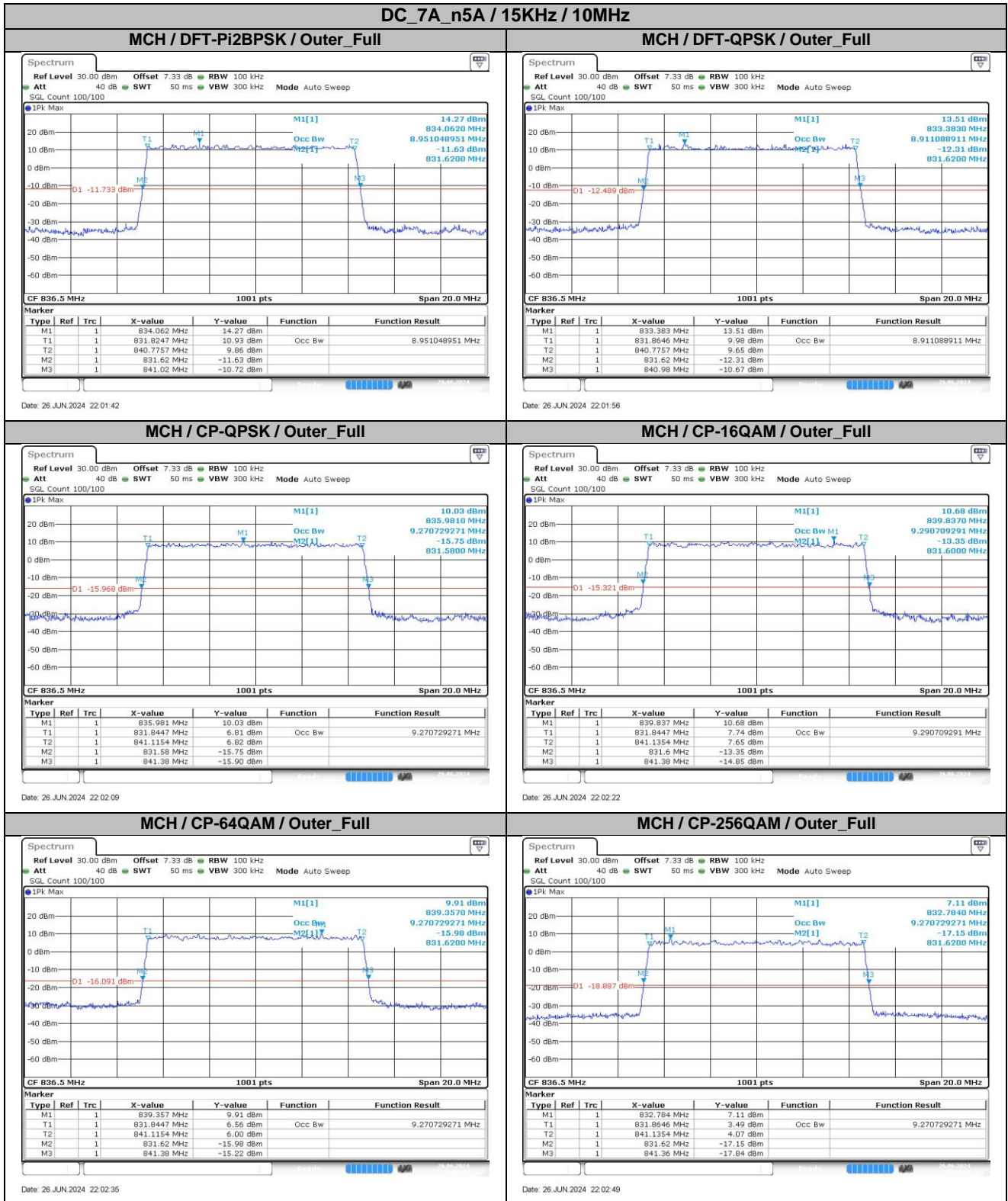
### 4.1. Test Results

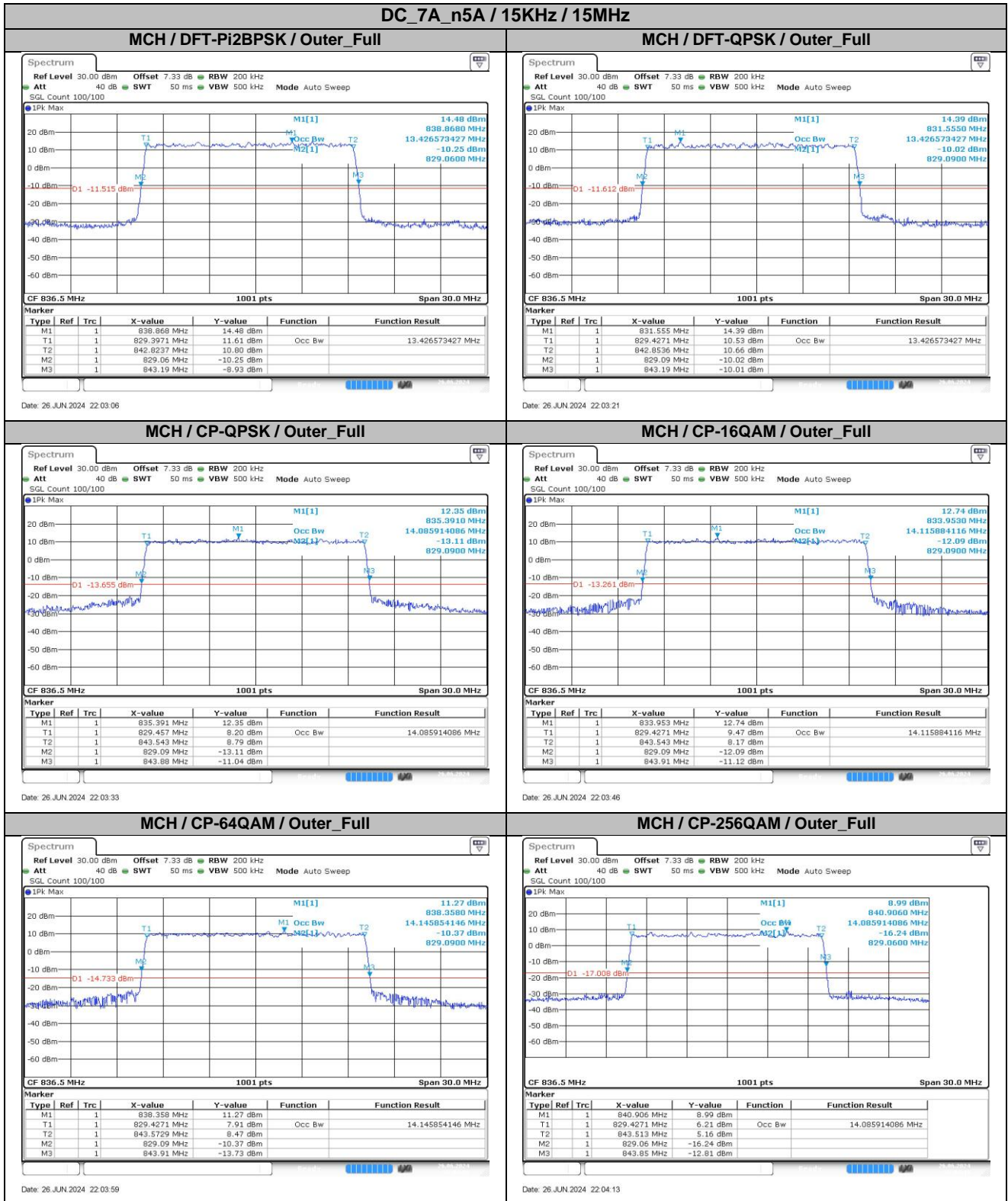
SCS	Bandwidth	Modulation	RB	99% Occupied Bandwidth (MHz)	26dB Emission Bandwidth (MHz)	Verdict
15KHz	5MHz	DFT-Pi2BPSK	Outer_Full	4.48	4.83	Pass
15KHz	5MHz	DFT-QPSK	Outer_Full	4.48	4.82	Pass
15KHz	5MHz	CP-QPSK	Outer_Full	4.48	4.83	Pass
15KHz	5MHz	CP-16QAM	Outer_Full	4.47	4.83	Pass
15KHz	5MHz	CP-64QAM	Outer_Full	4.48	4.86	Pass
15KHz	5MHz	CP-256QAM	Outer_Full	4.48	4.87	Pass
15KHz	10MHz	DFT-Pi2BPSK	Outer_Full	8.95	9.40	Pass
15KHz	10MHz	DFT-QPSK	Outer_Full	8.91	9.36	Pass
15KHz	10MHz	CP-QPSK	Outer_Full	9.27	9.80	Pass
15KHz	10MHz	CP-16QAM	Outer_Full	9.29	9.78	Pass
15KHz	10MHz	CP-64QAM	Outer_Full	9.27	9.76	Pass
15KHz	10MHz	CP-256QAM	Outer_Full	9.27	9.74	Pass
15KHz	15MHz	DFT-Pi2BPSK	Outer_Full	13.43	14.13	Pass
15KHz	15MHz	DFT-QPSK	Outer_Full	13.43	14.10	Pass
15KHz	15MHz	CP-QPSK	Outer_Full	14.09	14.79	Pass
15KHz	15MHz	CP-16QAM	Outer_Full	14.12	14.82	Pass
15KHz	15MHz	CP-64QAM	Outer_Full	14.15	14.82	Pass
15KHz	15MHz	CP-256QAM	Outer_Full	14.09	14.79	Pass
15KHz	20MHz	DFT-Pi2BPSK	Outer_Full	17.86	18.64	Pass
15KHz	20MHz	DFT-QPSK	Outer_Full	17.82	18.64	Pass
15KHz	20MHz	CP-QPSK	Outer_Full	18.90	19.76	Pass
15KHz	20MHz	CP-16QAM	Outer_Full	18.90	19.76	Pass
15KHz	20MHz	CP-64QAM	Outer_Full	18.90	19.72	Pass
15KHz	20MHz	CP-256QAM	Outer_Full	18.86	19.72	Pass

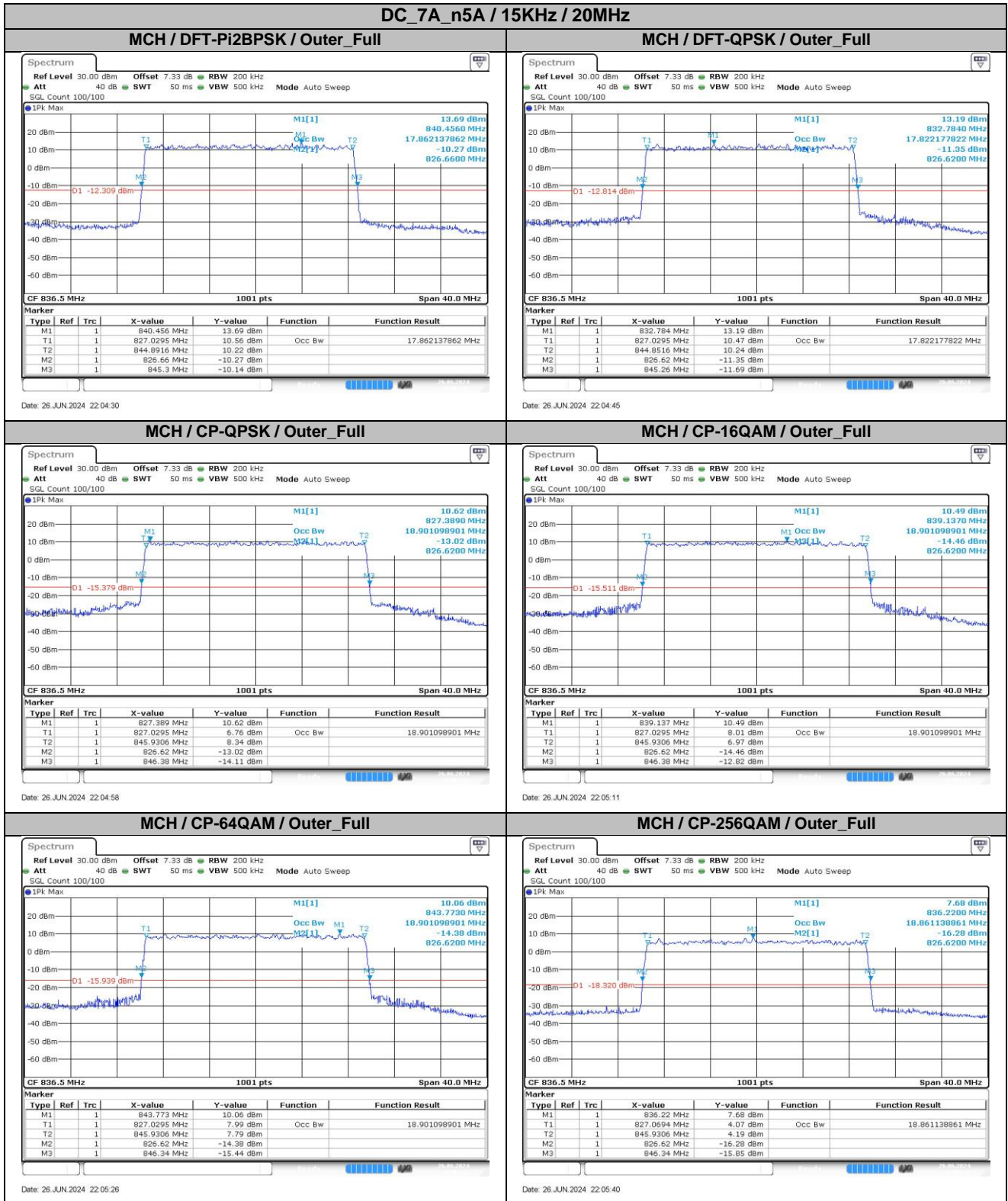


4.2. Test Plots











### 5. Conducted Band Edges

#### 5.1. Test Plots

