

APPENDIX H. TEST RESULTS OF CONDUCTED TEST

– LTE Band 17

1.1 CONDUCTED POWER & EFFECTIVE RADIATED POWER

1.1.1 Test Result

Band	Max Conducted Power (dBm)	ERP/EIRP (dBm)	Limit (dBm)	Verdict
Band17	23.80	15.65	34.77	PASS

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)
Band17	5MHz	QPSK	23755	1RB#0	23.11
Band17	5MHz	QPSK	23755	1RB#12	23.21
Band17	5MHz	QPSK	23755	1RB#24	22.16
Band17	5MHz	QPSK	23755	12RB#0	23.20
Band17	5MHz	QPSK	23755	12RB#6	23.17
Band17	5MHz	QPSK	23755	12RB#13	22.72
Band17	5MHz	QPSK	23755	25RB#0	22.92
Band17	5MHz	QPSK	23790	1RB#0	22.18
Band17	5MHz	QPSK	23790	1RB#12	22.92
Band17	5MHz	QPSK	23790	1RB#24	22.49
Band17	5MHz	QPSK	23790	12RB#0	22.59
Band17	5MHz	QPSK	23790	12RB#6	22.89
Band17	5MHz	QPSK	23790	12RB#13	22.83
Band17	5MHz	QPSK	23790	25RB#0	22.80
Band17	5MHz	QPSK	23825	1RB#0	22.46
Band17	5MHz	QPSK	23825	1RB#12	23.80
Band17	5MHz	QPSK	23825	1RB#24	22.75
Band17	5MHz	QPSK	23825	12RB#0	23.09
Band17	5MHz	QPSK	23825	12RB#6	23.08
Band17	5MHz	QPSK	23825	12RB#13	22.96
Band17	5MHz	QPSK	23825	25RB#0	23.02
Band17	5MHz	16QAM	23755	1RB#0	23.01
Band17	5MHz	16QAM	23755	1RB#12	22.91
Band17	5MHz	16QAM	23755	1RB#24	21.89
Band17	5MHz	16QAM	23755	12RB#0	22.21
Band17	5MHz	16QAM	23755	12RB#6	22.01

Band17	5MHz	16QAM	23755	12RB#13	22.12
Band17	5MHz	16QAM	23755	25RB#0	22.14
Band17	5MHz	16QAM	23790	1RB#0	22.09
Band17	5MHz	16QAM	23790	1RB#12	22.62
Band17	5MHz	16QAM	23790	1RB#24	22.66
Band17	5MHz	16QAM	23790	12RB#0	22.11
Band17	5MHz	16QAM	23790	12RB#6	21.99
Band17	5MHz	16QAM	23790	12RB#13	21.85
Band17	5MHz	16QAM	23790	25RB#0	21.92
Band17	5MHz	16QAM	23825	1RB#0	22.41
Band17	5MHz	16QAM	23825	1RB#12	23.00
Band17	5MHz	16QAM	23825	1RB#24	22.85
Band17	5MHz	16QAM	23825	12RB#0	22.10
Band17	5MHz	16QAM	23825	12RB#6	22.13
Band17	5MHz	16QAM	23825	12RB#13	21.94
Band17	5MHz	16QAM	23825	25RB#0	22.17
Band17	5MHz	64QAM	23755	1RB#0	22.74
Band17	5MHz	64QAM	23755	1RB#12	23.03
Band17	5MHz	64QAM	23755	1RB#24	21.79
Band17	5MHz	64QAM	23755	12RB#0	22.04
Band17	5MHz	64QAM	23755	12RB#6	22.10
Band17	5MHz	64QAM	23755	12RB#13	22.10
Band17	5MHz	64QAM	23755	25RB#0	22.03
Band17	5MHz	64QAM	23790	1RB#0	21.89
Band17	5MHz	64QAM	23790	1RB#12	22.53
Band17	5MHz	64QAM	23790	1RB#24	22.52
Band17	5MHz	64QAM	23790	12RB#0	22.09
Band17	5MHz	64QAM	23790	12RB#6	21.91
Band17	5MHz	64QAM	23790	12RB#13	21.93
Band17	5MHz	64QAM	23790	25RB#0	22.11
Band17	5MHz	64QAM	23825	1RB#0	22.15
Band17	5MHz	64QAM	23825	1RB#12	22.97
Band17	5MHz	64QAM	23825	1RB#24	22.64
Band17	5MHz	64QAM	23825	12RB#0	22.14
Band17	5MHz	64QAM	23825	12RB#6	21.94

Band17	5MHz	64QAM	23825	12RB#13	22.22
Band17	5MHz	64QAM	23825	25RB#0	22.17
Band17	10MHz	QPSK	23780	1RB#0	23.46
Band17	10MHz	QPSK	23780	1RB#24	23.19
Band17	10MHz	QPSK	23780	1RB#49	23.08
Band17	10MHz	QPSK	23780	25RB#0	23.03
Band17	10MHz	QPSK	23780	25RB#12	23.12
Band17	10MHz	QPSK	23780	25RB#25	23.04
Band17	10MHz	QPSK	23780	50RB#0	23.02
Band17	10MHz	QPSK	23790	1RB#0	22.70
Band17	10MHz	QPSK	23790	1RB#24	23.05
Band17	10MHz	QPSK	23790	1RB#49	23.09
Band17	10MHz	QPSK	23790	25RB#0	22.78
Band17	10MHz	QPSK	23790	25RB#12	23.10
Band17	10MHz	QPSK	23790	25RB#25	23.09
Band17	10MHz	QPSK	23790	50RB#0	23.05
Band17	10MHz	QPSK	23800	1RB#0	22.76
Band17	10MHz	QPSK	23800	1RB#24	23.24
Band17	10MHz	QPSK	23800	1RB#49	22.87
Band17	10MHz	QPSK	23800	25RB#0	22.82
Band17	10MHz	QPSK	23800	25RB#12	23.10
Band17	10MHz	QPSK	23800	25RB#25	23.02
Band17	10MHz	QPSK	23800	50RB#0	23.08
Band17	10MHz	16QAM	23780	1RB#0	23.09
Band17	10MHz	16QAM	23780	1RB#24	22.79
Band17	10MHz	16QAM	23780	1RB#49	22.81
Band17	10MHz	16QAM	23780	25RB#0	22.40
Band17	10MHz	16QAM	23780	25RB#12	22.12
Band17	10MHz	16QAM	23780	25RB#25	21.94
Band17	10MHz	16QAM	23780	50RB#0	22.14
Band17	10MHz	16QAM	23790	1RB#0	22.85
Band17	10MHz	16QAM	23790	1RB#24	22.76
Band17	10MHz	16QAM	23790	1RB#49	22.82
Band17	10MHz	16QAM	23790	25RB#0	22.06
Band17	10MHz	16QAM	23790	25RB#12	22.20

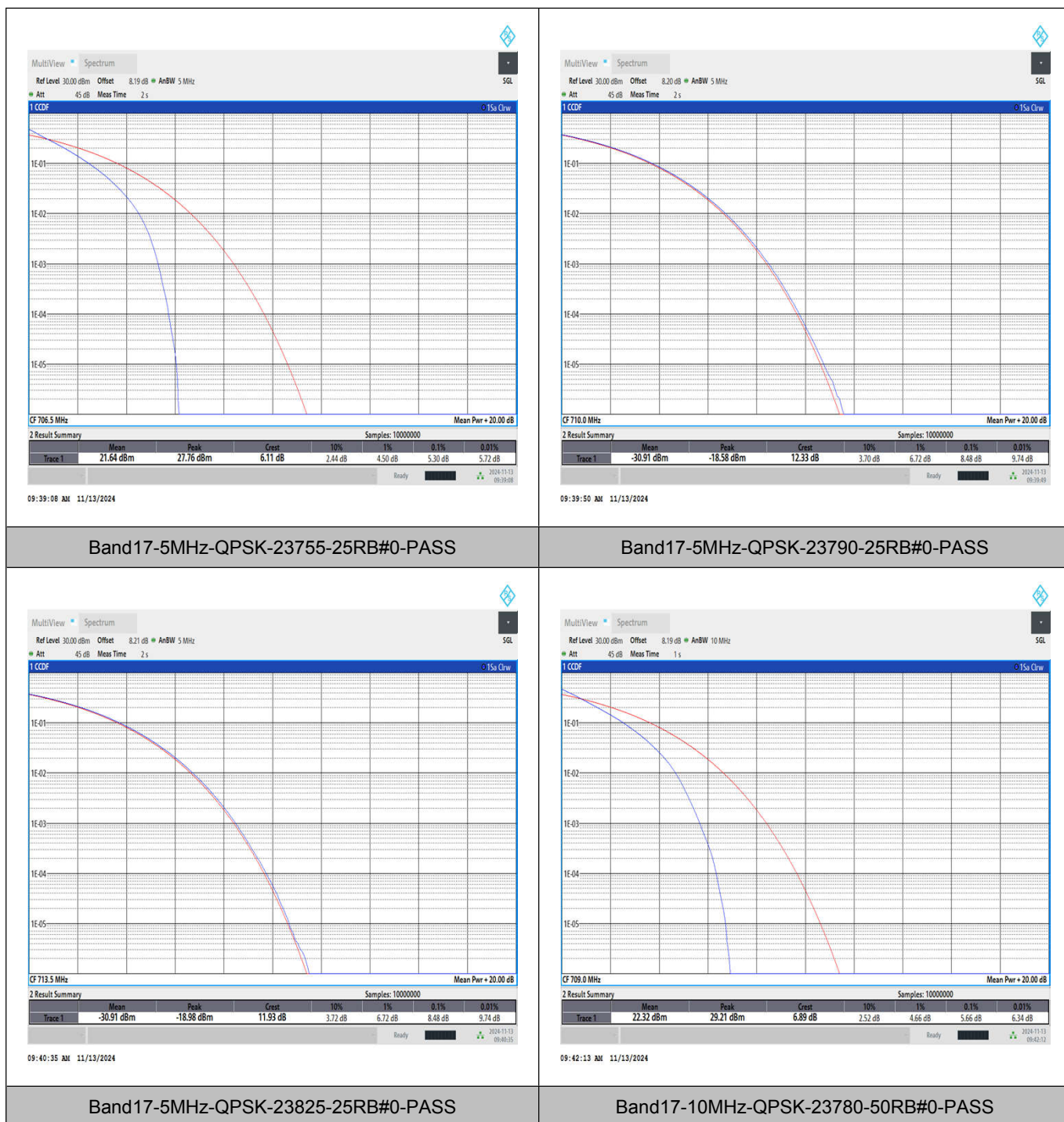
Band17	10MHz	16QAM	23790	25RB#25	22.13
Band17	10MHz	16QAM	23790	50RB#0	22.15
Band17	10MHz	16QAM	23800	1RB#0	22.41
Band17	10MHz	16QAM	23800	1RB#24	22.94
Band17	10MHz	16QAM	23800	1RB#49	22.78
Band17	10MHz	16QAM	23800	25RB#0	22.01
Band17	10MHz	16QAM	23800	25RB#12	22.22
Band17	10MHz	16QAM	23800	25RB#25	21.91
Band17	10MHz	16QAM	23800	50RB#0	22.00
Band17	10MHz	64QAM	23780	1RB#0	22.90
Band17	10MHz	64QAM	23780	1RB#24	22.71
Band17	10MHz	64QAM	23780	1RB#49	23.15
Band17	10MHz	64QAM	23780	25RB#0	22.31
Band17	10MHz	64QAM	23780	25RB#12	22.26
Band17	10MHz	64QAM	23780	25RB#25	22.15
Band17	10MHz	64QAM	23780	50RB#0	22.13
Band17	10MHz	64QAM	23790	1RB#0	22.70
Band17	10MHz	64QAM	23790	1RB#24	22.67
Band17	10MHz	64QAM	23790	1RB#49	22.66
Band17	10MHz	64QAM	23790	25RB#0	22.23
Band17	10MHz	64QAM	23790	25RB#12	22.19
Band17	10MHz	64QAM	23790	25RB#25	22.19
Band17	10MHz	64QAM	23790	50RB#0	22.24
Band17	10MHz	64QAM	23800	1RB#0	22.27
Band17	10MHz	64QAM	23800	1RB#24	22.81
Band17	10MHz	64QAM	23800	1RB#49	22.63
Band17	10MHz	64QAM	23800	25RB#0	22.17
Band17	10MHz	64QAM	23800	25RB#12	22.20
Band17	10MHz	64QAM	23800	25RB#25	22.15
Band17	10MHz	64QAM	23800	50RB#0	22.08

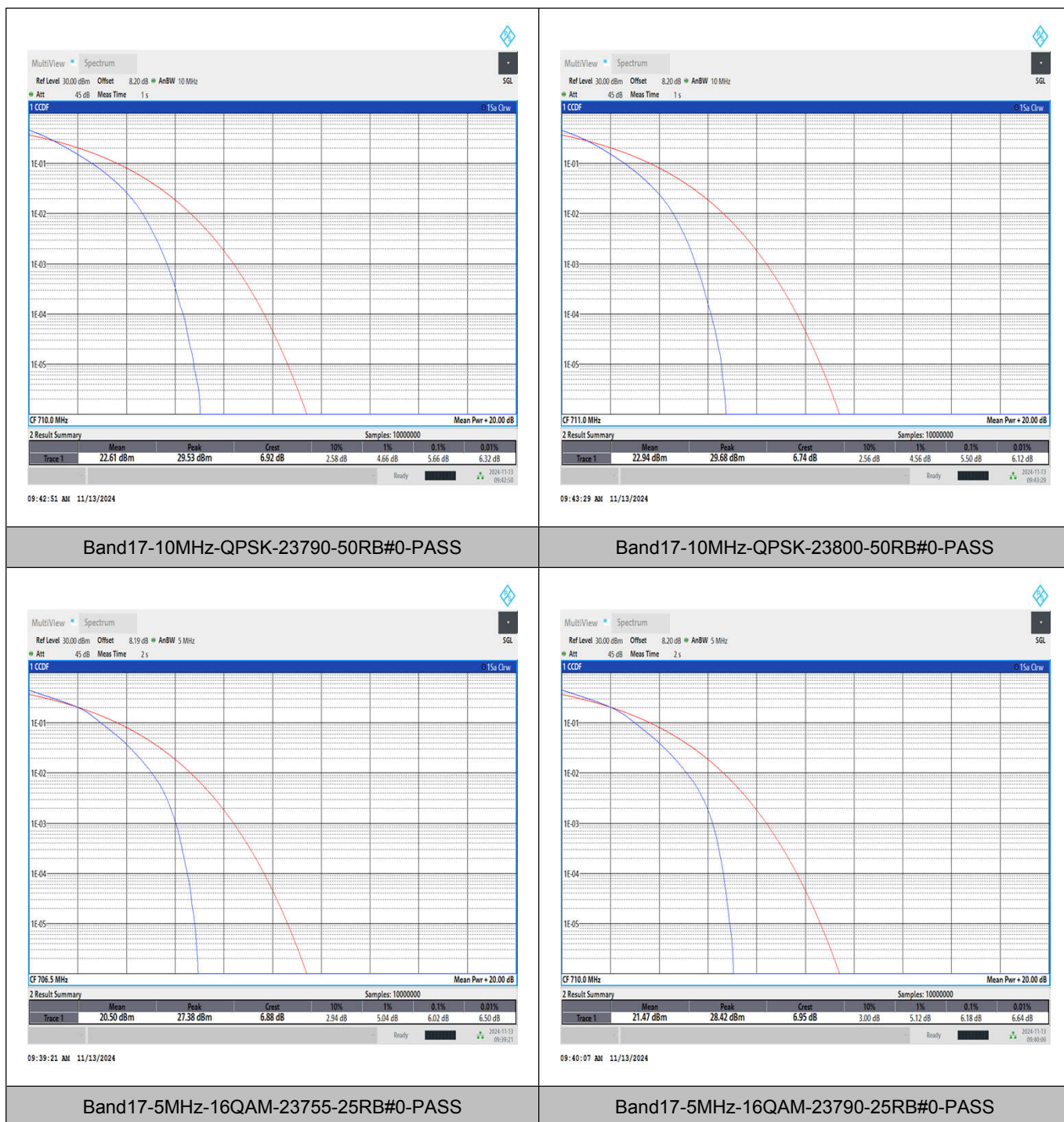
1.2 Peak-to-Average Ratio

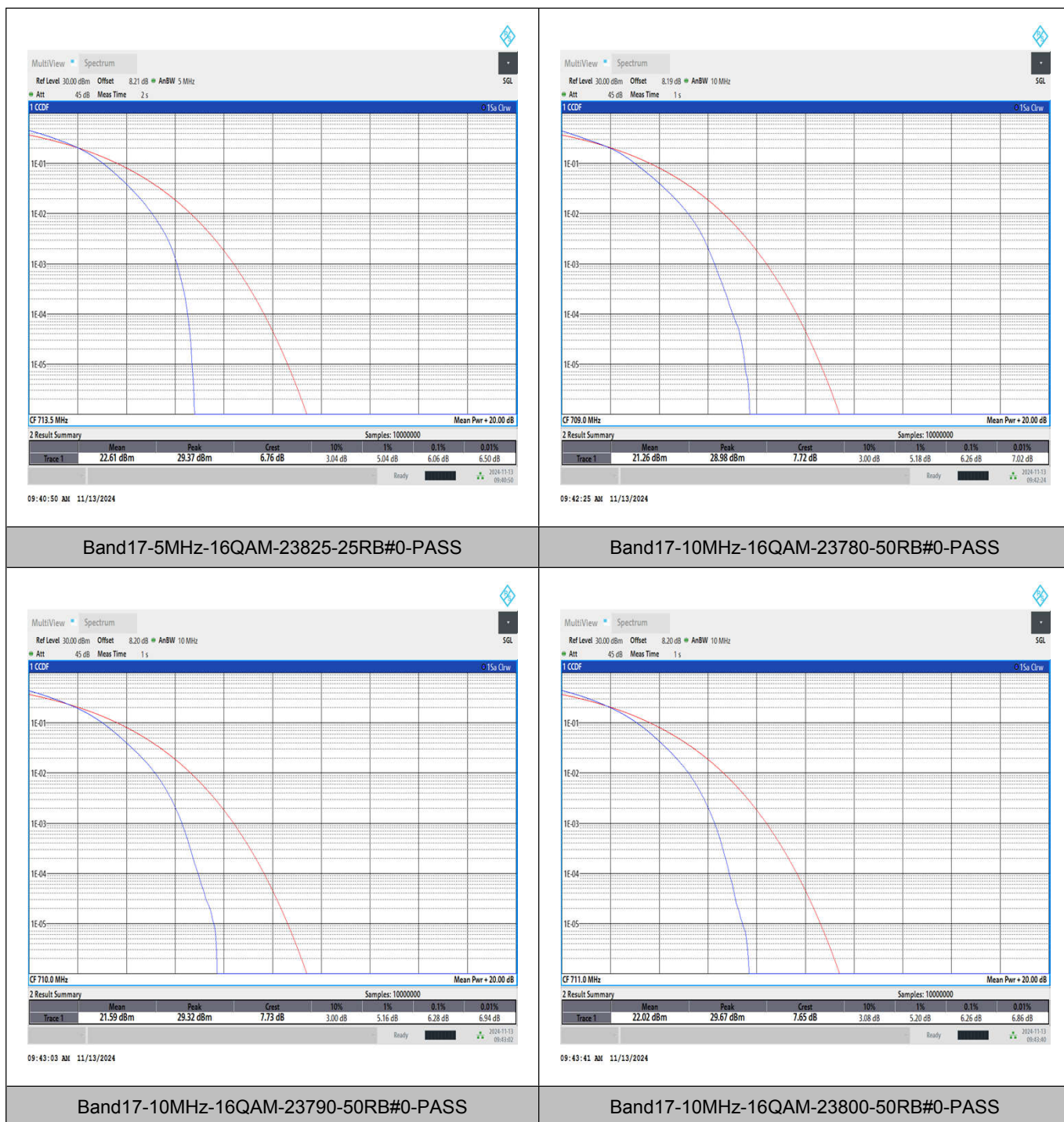
1.2.1 Test Result

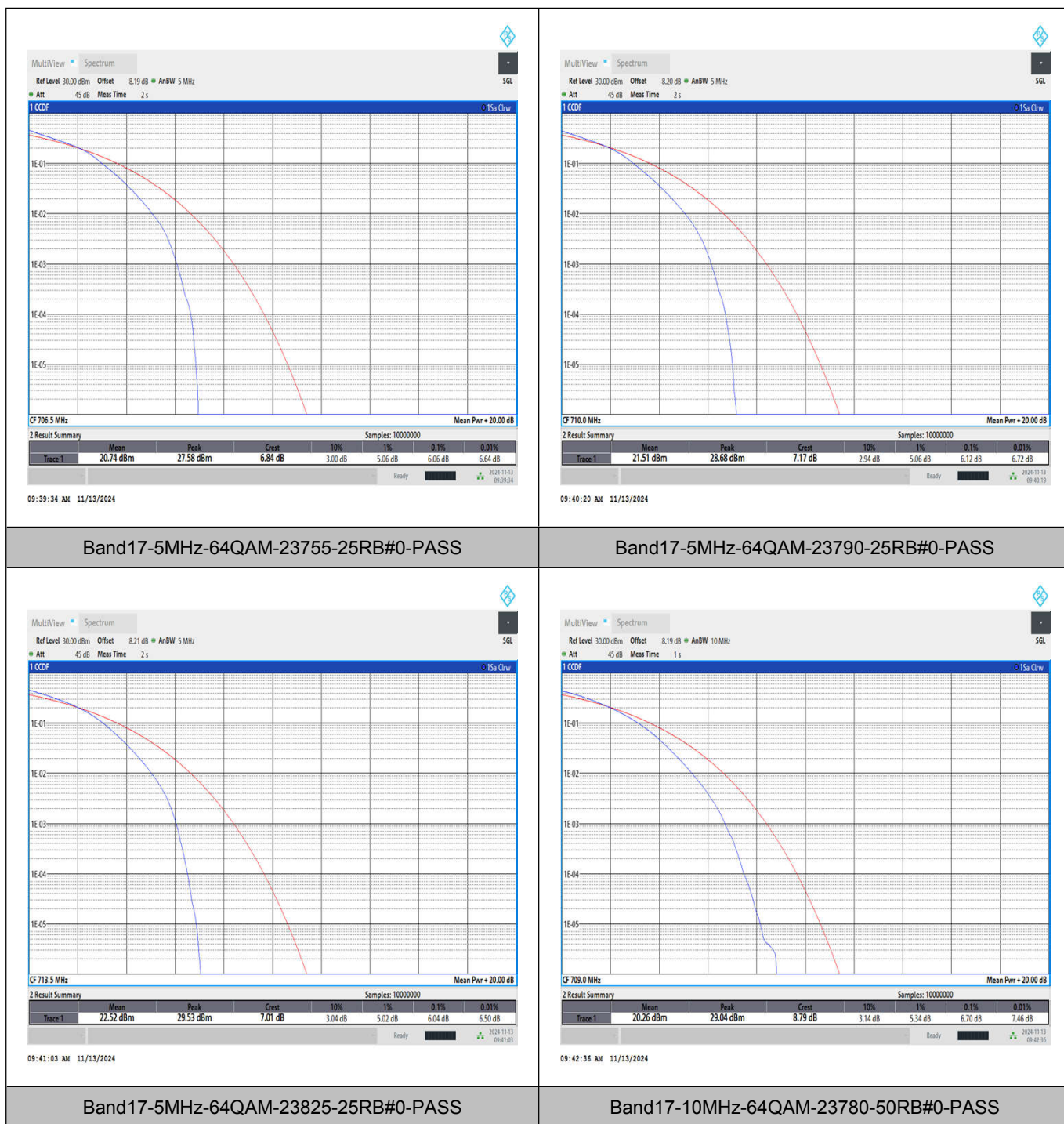
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	5.30	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	8.48	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	8.48	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.66	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.66	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.50	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	6.02	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	6.18	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	6.06	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	6.26	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	6.28	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	6.26	13	PASS
Band17	5MHz	64QAM	23755	25RB#0	6.06	13	PASS
Band17	5MHz	64QAM	23790	25RB#0	6.12	13	PASS
Band17	5MHz	64QAM	23825	25RB#0	6.04	13	PASS
Band17	10MHz	64QAM	23780	50RB#0	6.70	13	PASS
Band17	10MHz	64QAM	23790	50RB#0	6.66	13	PASS
Band17	10MHz	64QAM	23800	50RB#0	6.62	13	PASS

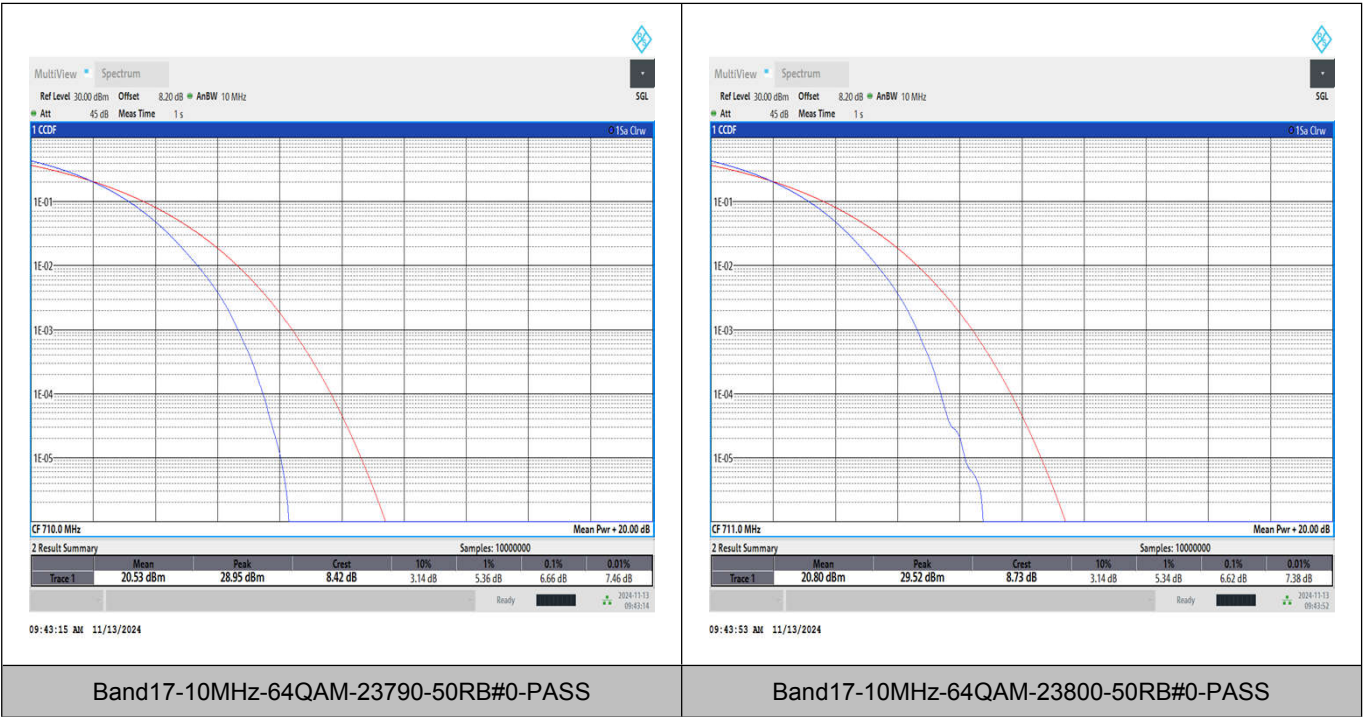
1.2.2 Test Graphs









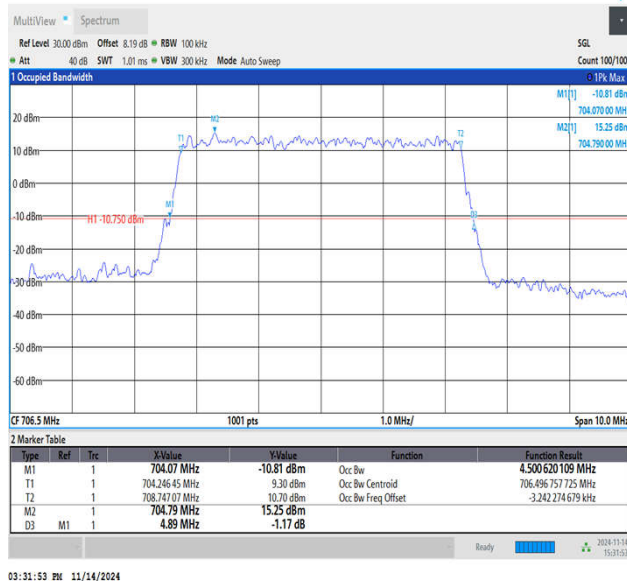


1.3 OCCUPIED BANDWIDTH

1.3.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.501	4.89	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.483	4.87	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.491	4.91	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.495	4.98	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.505	4.96	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.473	4.93	PASS
Band17	5MHz	64QAM	23755	25RB#0	4.491	4.91	PASS
Band17	5MHz	64QAM	23790	25RB#0	4.491	4.90	PASS
Band17	5MHz	64QAM	23825	25RB#0	4.467	4.87	PASS
Band17	10MHz	QPSK	23780	50RB#0	9.008	9.57	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.987	9.70	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.943	9.60	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.973	9.67	PASS
Band17	10MHz	16QAM	23790	50RB#0	9.008	9.70	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.963	9.57	PASS
Band17	10MHz	64QAM	23780	50RB#0	8.989	9.77	PASS
Band17	10MHz	64QAM	23790	50RB#0	9.043	9.93	PASS
Band17	10MHz	64QAM	23800	50RB#0	8.908	9.57	PASS

1.3.2 Test Graphs



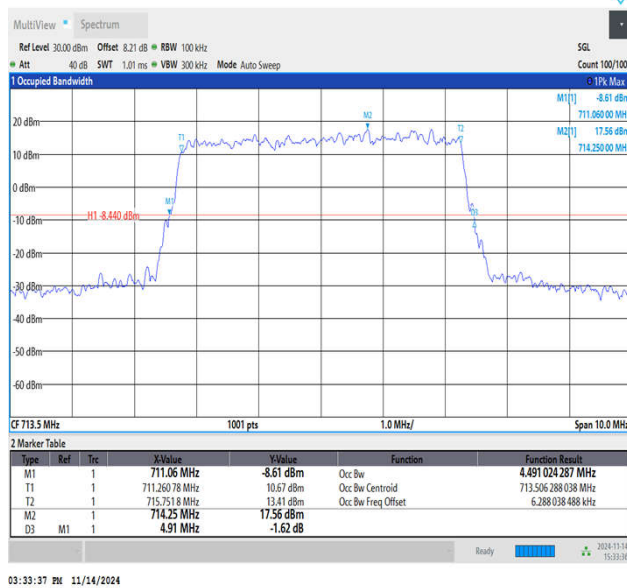
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Band17-5MHz-QPSK-23755-25RB#0-PASS



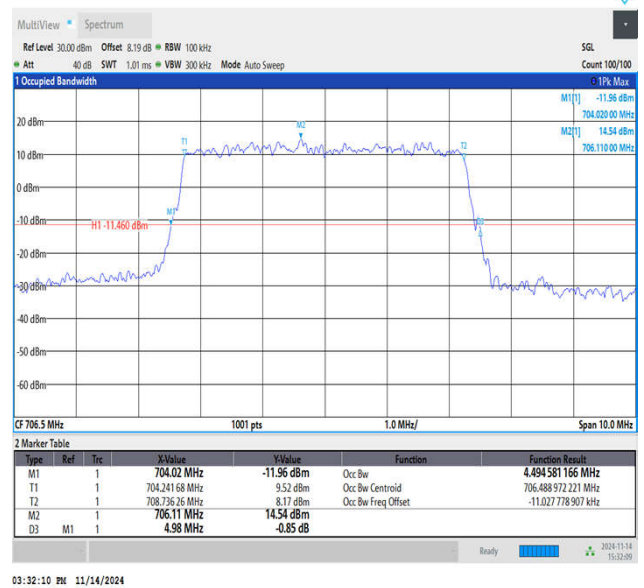
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Band17-5MHz-QPSK-23790-25RB#0-PASS



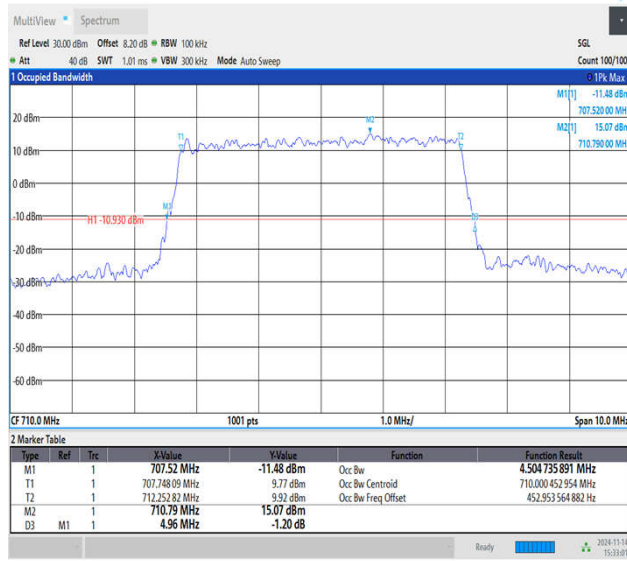
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Band17-5MHz-QPSK-23825-25RB#0-PASS



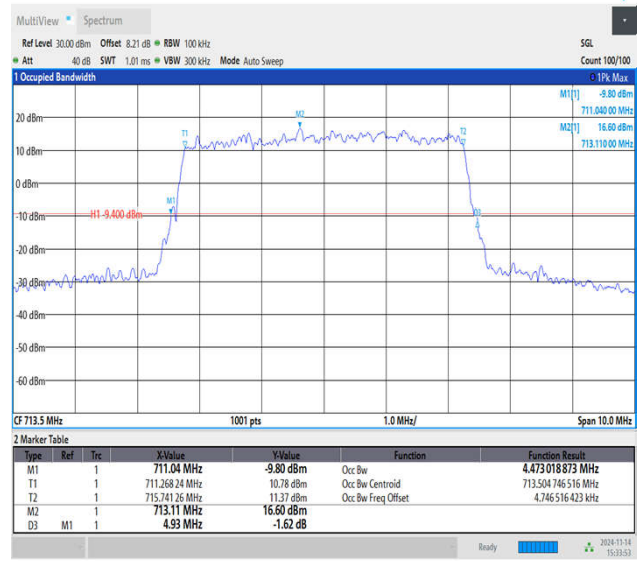
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Band17-5MHz-16QAM-23755-25RB#0-PASS



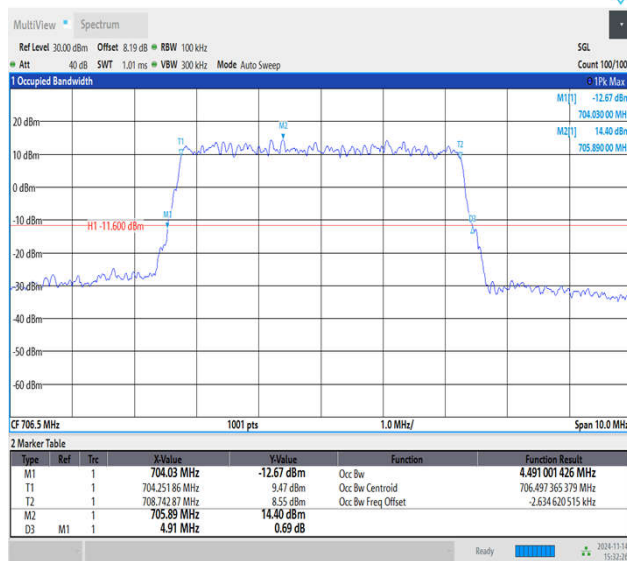
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Band17-5MHz-16QAM-23790-25RB#0-PASS



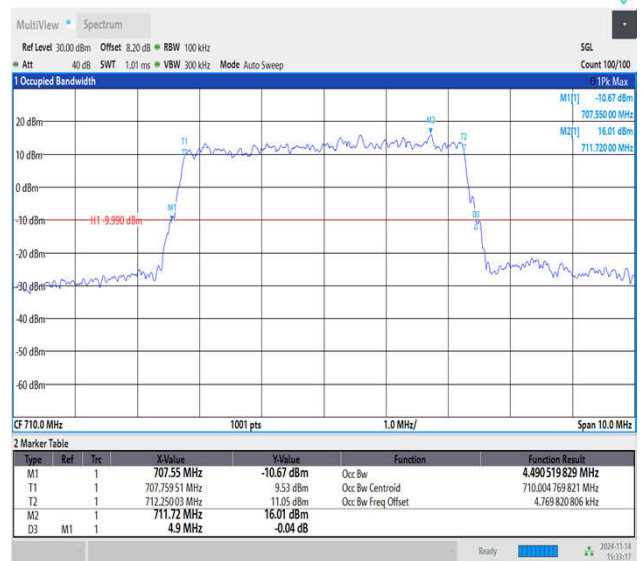
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Band17-5MHz-16QAM-23825-25RB#0-PASS



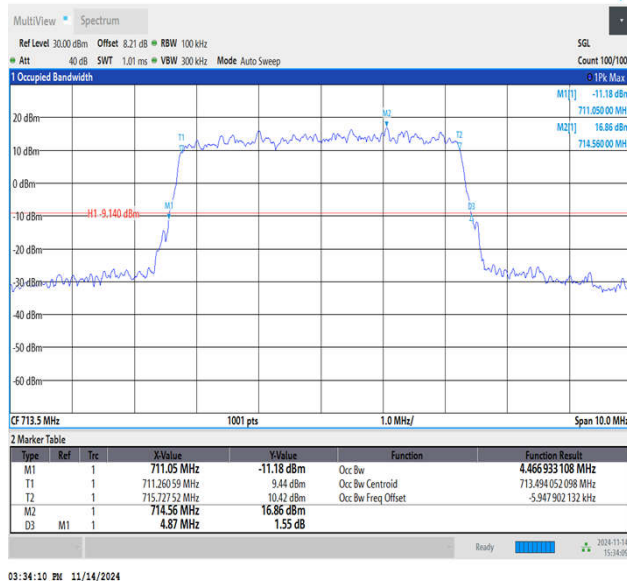
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Band17-5MHz-64QAM-23755-25RB#0-PASS



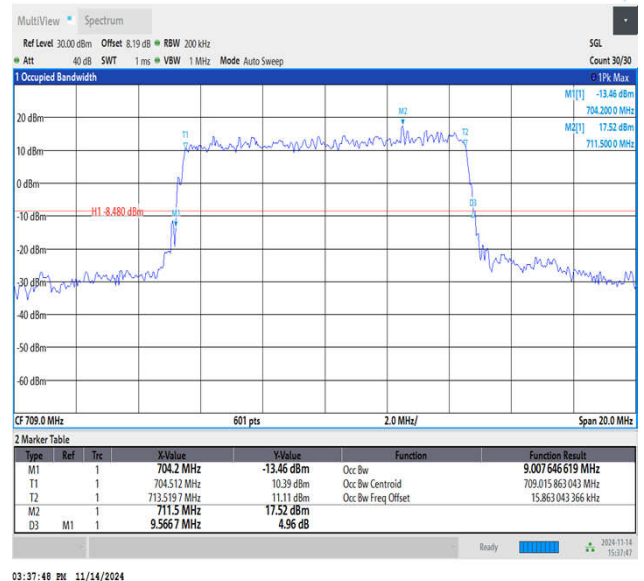
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Band17-5MHz-64QAM-23790-25RB#0-PASS



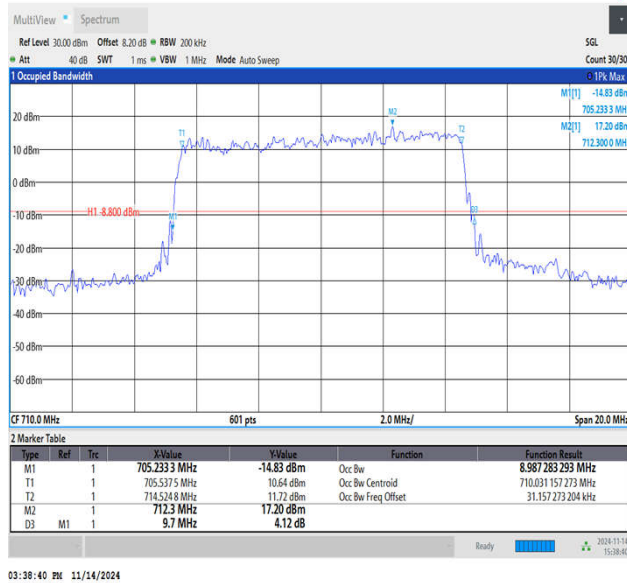
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Band17-5MHz-64QAM-23825-25RB#0-PASS



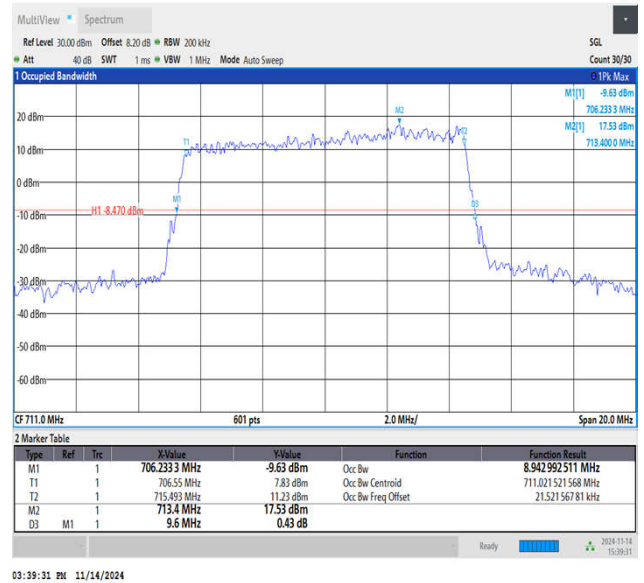
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Band17-10MHz-QPSK-23780-50RB#0-PASS



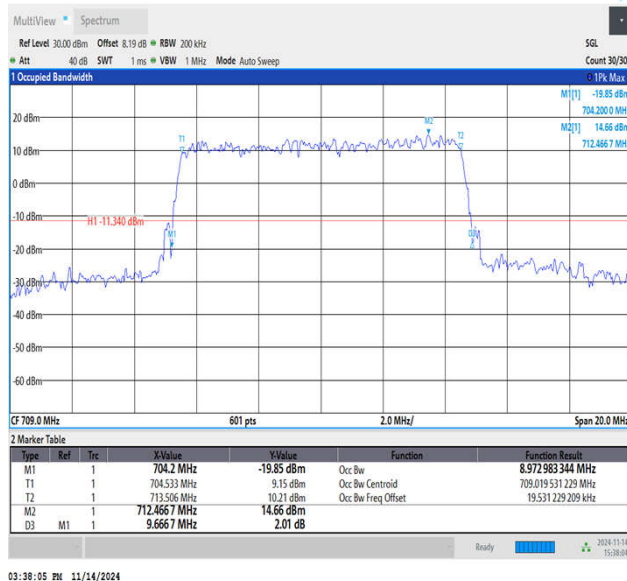
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Band17-10MHz-QPSK-23790-50RB#0-PASS

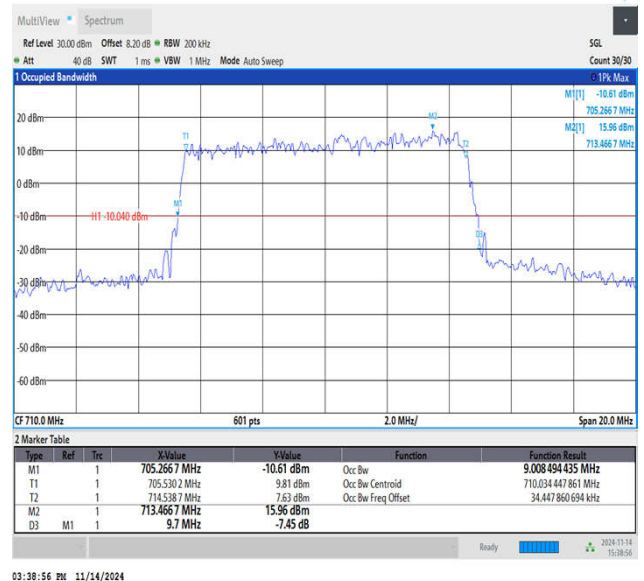


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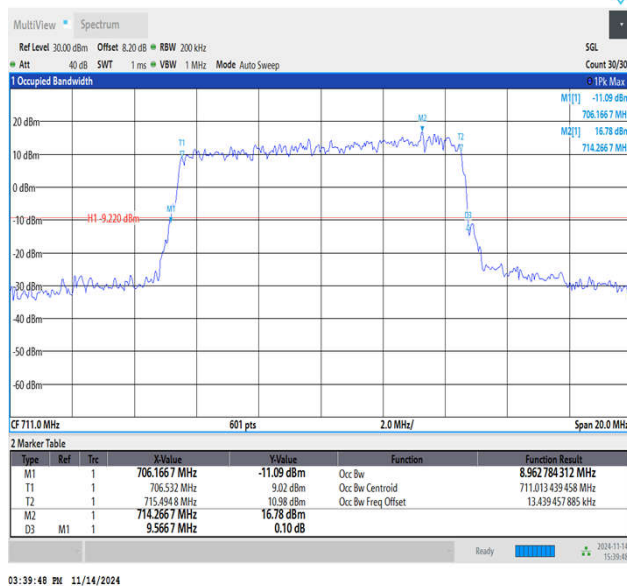
Band17-10MHz-QPSK-23800-50RB#0-PASS



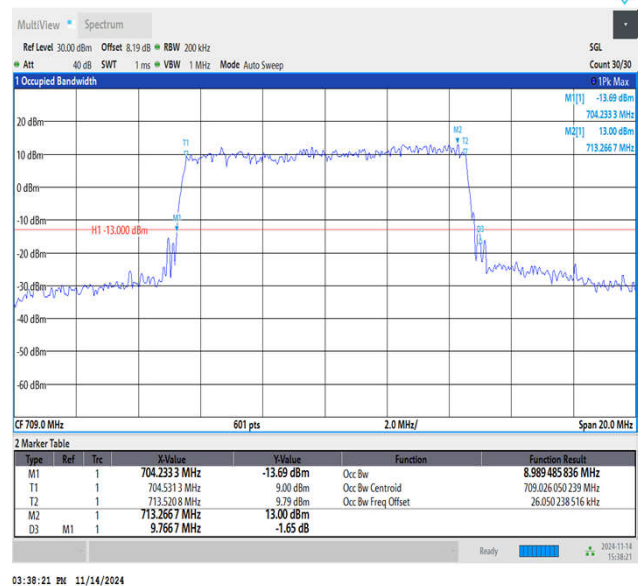
Band17-10MHz-16QAM-23780-50RB#0-PASS



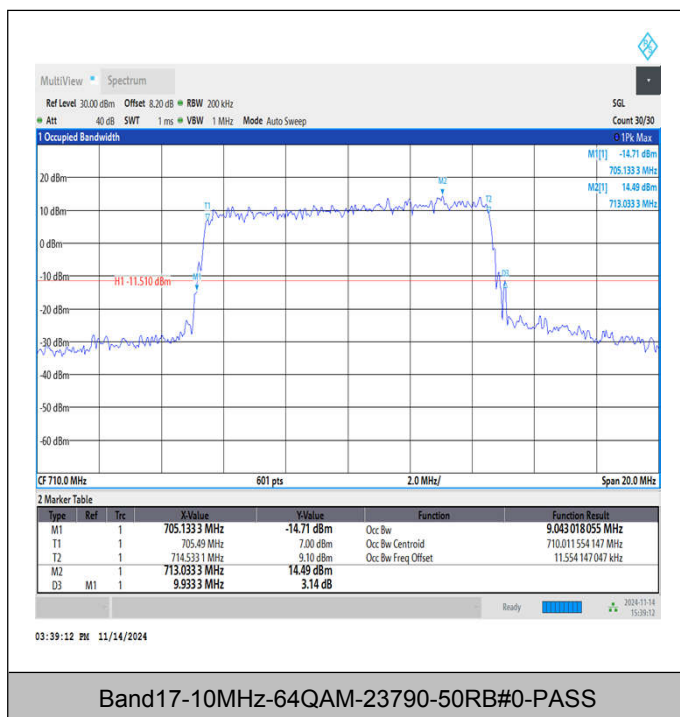
Band17-10MHz-16QAM-23790-50RB#0-PASS



Band17-10MHz-16QAM-23800-50RB#0-PASS



Band17-10MHz-64QAM-23780-50RB#0-PASS



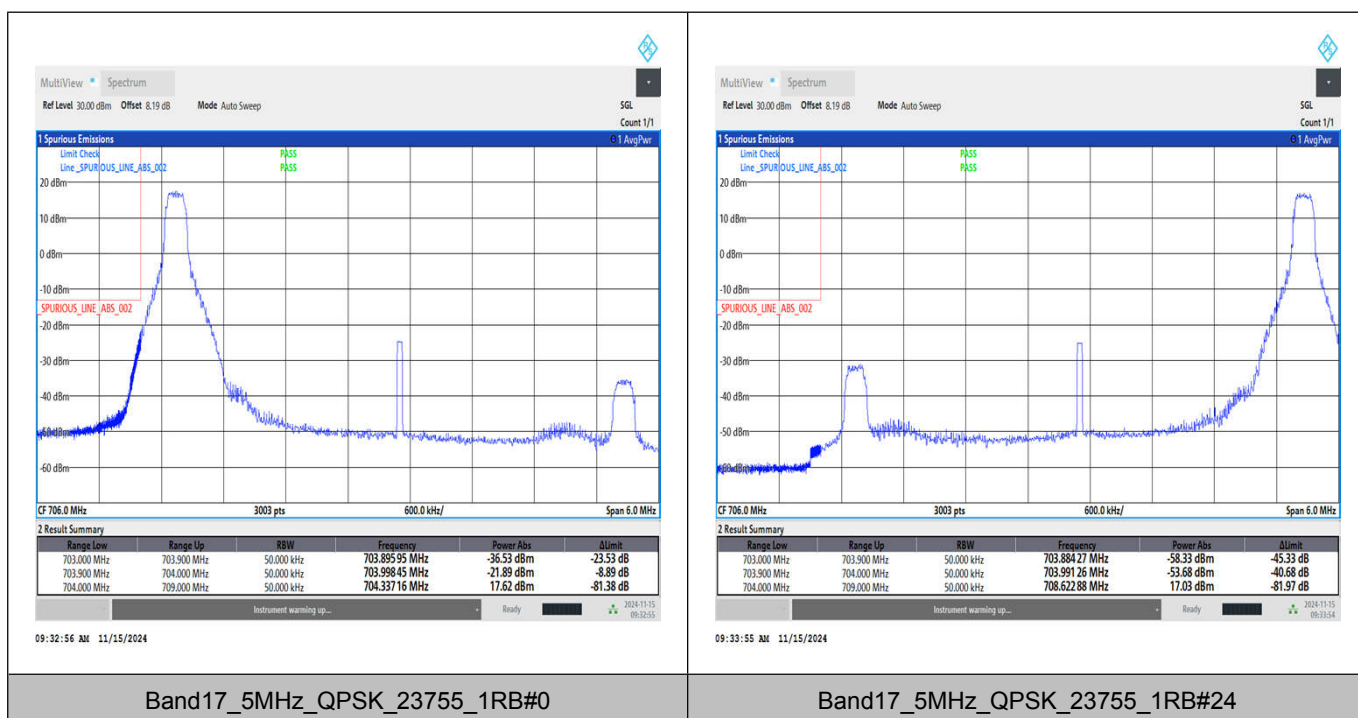
1.4 Band Edge

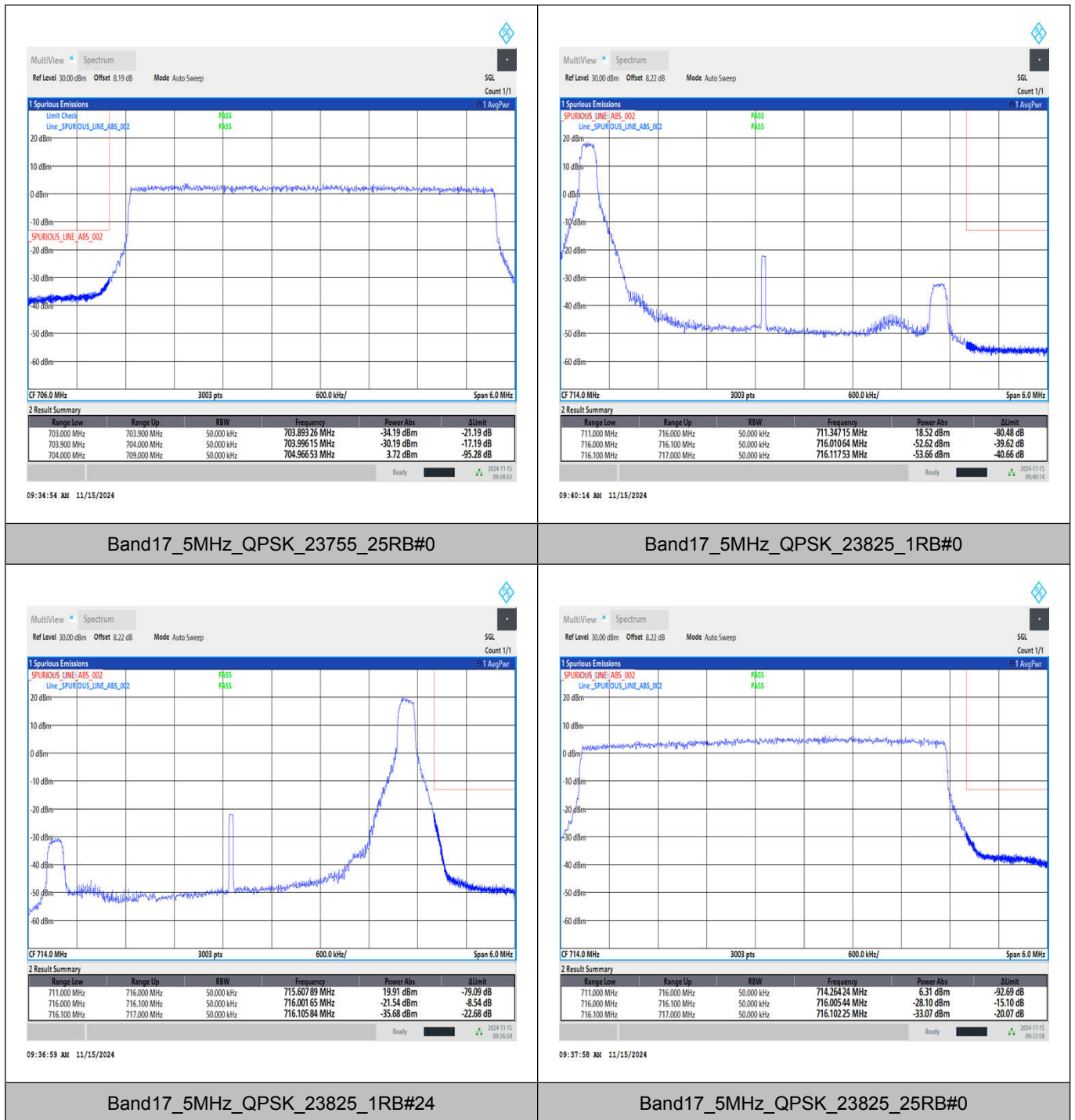
1.4.1 Test Result

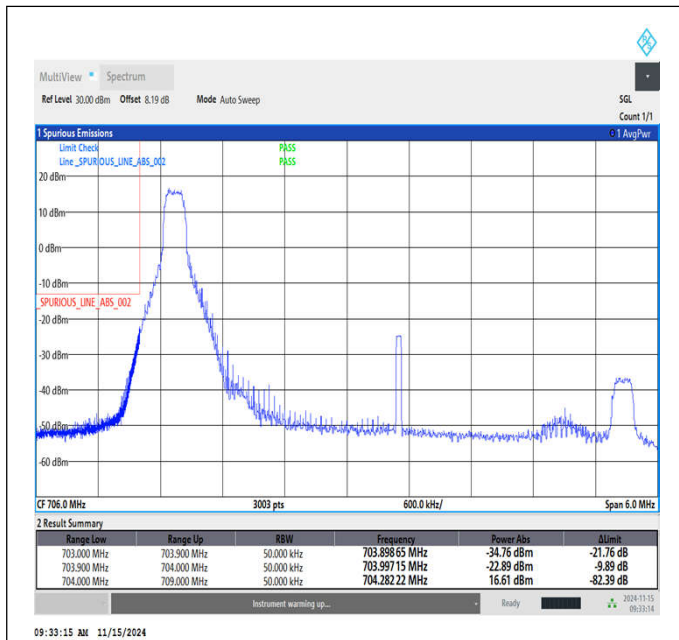
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	-21.89	PASS
Band17	5MHz	QPSK	23755	1RB#24	-53.68	PASS
Band17	5MHz	QPSK	23755	25RB#0	-30.19	PASS
Band17	5MHz	QPSK	23825	1RB#0	-52.62	PASS
Band17	5MHz	QPSK	23825	1RB#24	-21.54	PASS
Band17	5MHz	QPSK	23825	25RB#0	-28.10	PASS
Band17	5MHz	16QAM	23755	1RB#0	-22.89	PASS
Band17	5MHz	16QAM	23755	1RB#24	-53.69	PASS
Band17	5MHz	16QAM	23755	25RB#0	-30.08	PASS
Band17	5MHz	16QAM	23825	1RB#0	-52.90	PASS
Band17	5MHz	16QAM	23825	1RB#24	-21.13	PASS
Band17	5MHz	16QAM	23825	25RB#0	-28.86	PASS
Band17	5MHz	64QAM	23755	1RB#0	-25.27	PASS
Band17	5MHz	64QAM	23755	1RB#24	-53.73	PASS
Band17	5MHz	64QAM	23755	25RB#0	-30.80	PASS
Band17	5MHz	64QAM	23825	1RB#0	-52.79	PASS
Band17	5MHz	64QAM	23825	1RB#24	-22.10	PASS
Band17	5MHz	64QAM	23825	25RB#0	-29.05	PASS
Band17	10MHz	QPSK	23780	1RB#0	-30.46	PASS
Band17	10MHz	QPSK	23780	1RB#49	-48.33	PASS
Band17	10MHz	QPSK	23780	50RB#0	-34.36	PASS
Band17	10MHz	QPSK	23800	1RB#0	-48.78	PASS
Band17	10MHz	QPSK	23800	1RB#49	-32.71	PASS
Band17	10MHz	QPSK	23800	50RB#0	-29.57	PASS
Band17	10MHz	16QAM	23780	1RB#0	-36.50	PASS
Band17	10MHz	16QAM	23780	1RB#49	-50.43	PASS
Band17	10MHz	16QAM	23780	50RB#0	-34.77	PASS
Band17	10MHz	16QAM	23800	1RB#0	-48.09	PASS
Band17	10MHz	16QAM	23800	1RB#49	-27.74	PASS

Band17	10MHz	16QAM	23800	50RB#0	-30.36	PASS
Band17	10MHz	64QAM	23780	1RB#0	-42.91	PASS
Band17	10MHz	64QAM	23780	1RB#49	-49.58	PASS
Band17	10MHz	64QAM	23780	50RB#0	-33.14	PASS
Band17	10MHz	64QAM	23800	1RB#0	-49.28	PASS
Band17	10MHz	64QAM	23800	1RB#49	-32.61	PASS
Band17	10MHz	64QAM	23800	50RB#0	-30.50	PASS

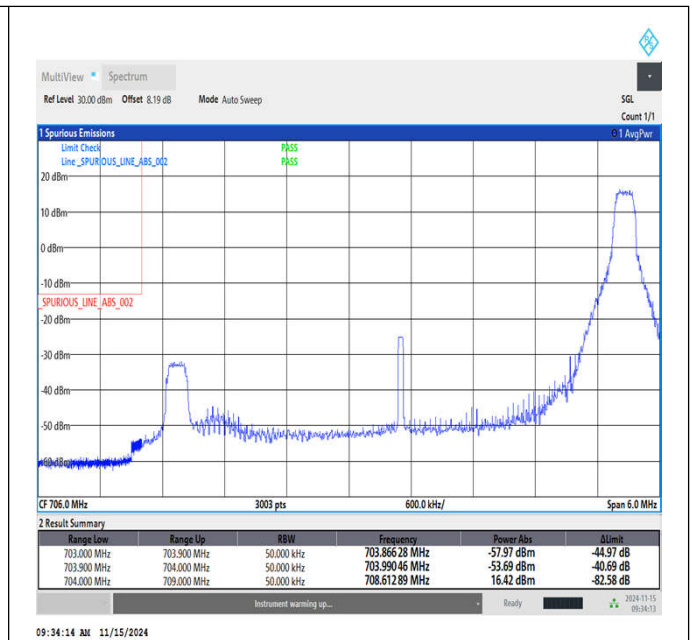
1.4.2 Test Graphs



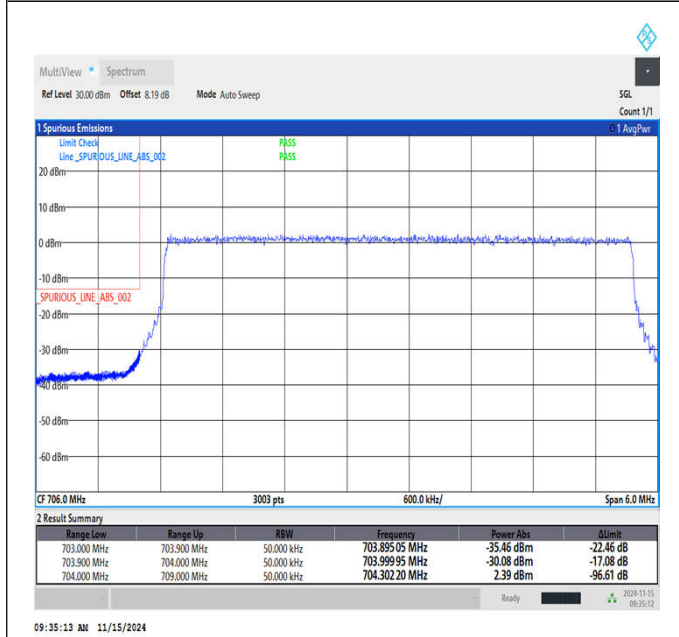




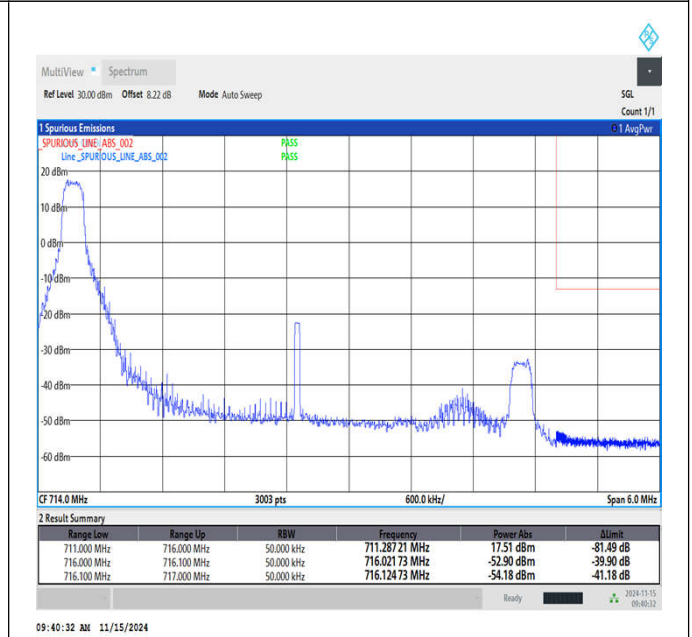
Band17_5MHz_16QAM_23755_1RB#0



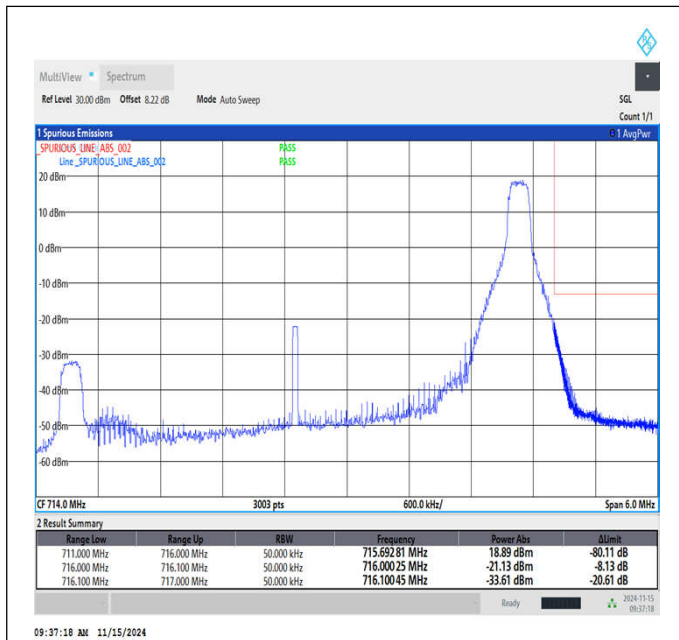
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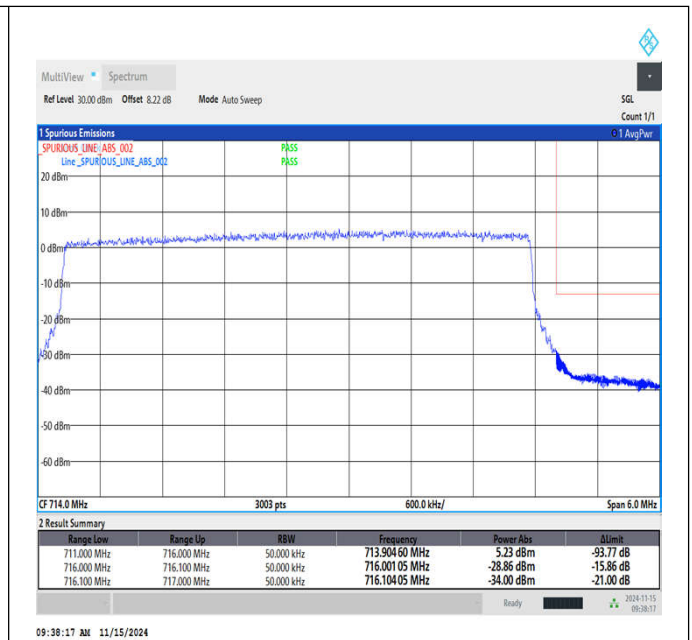
Band17_5MHz_16QAM_23755_25RB#0



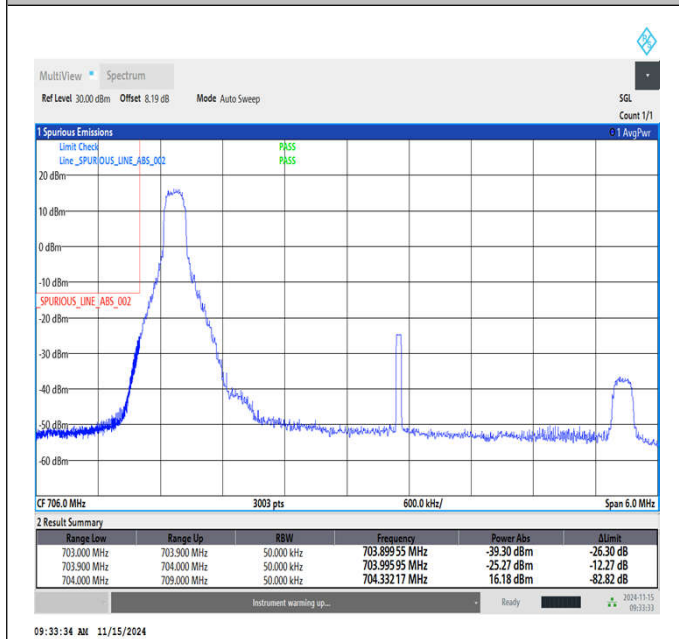
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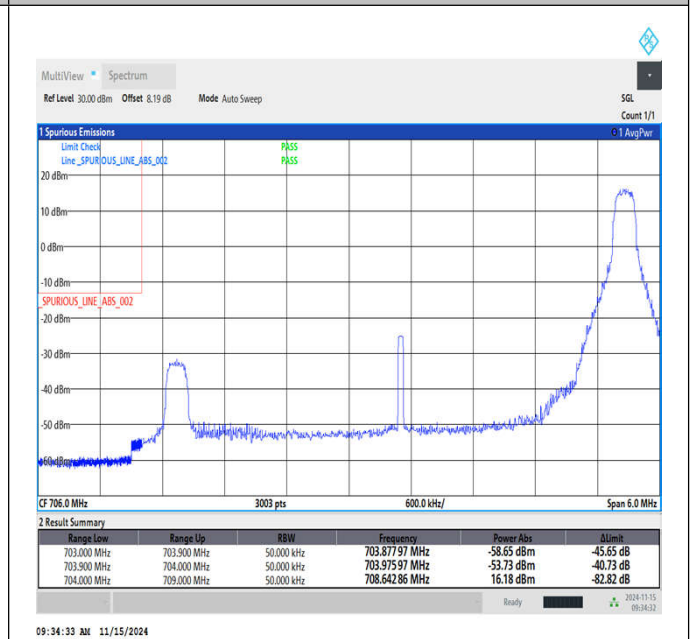
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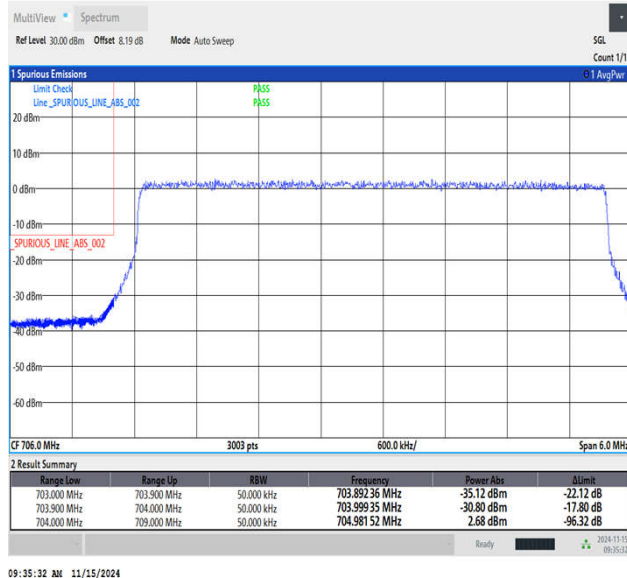
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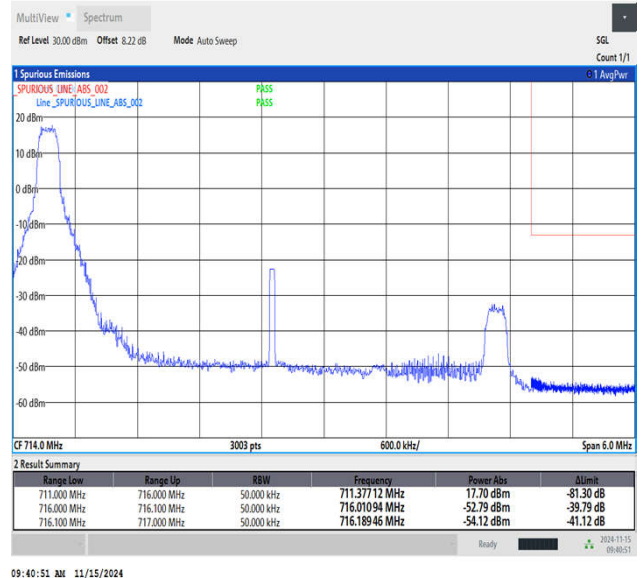
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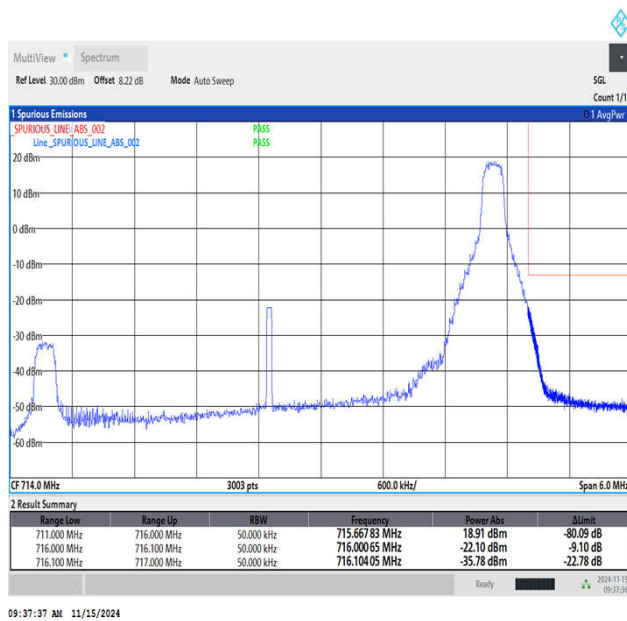
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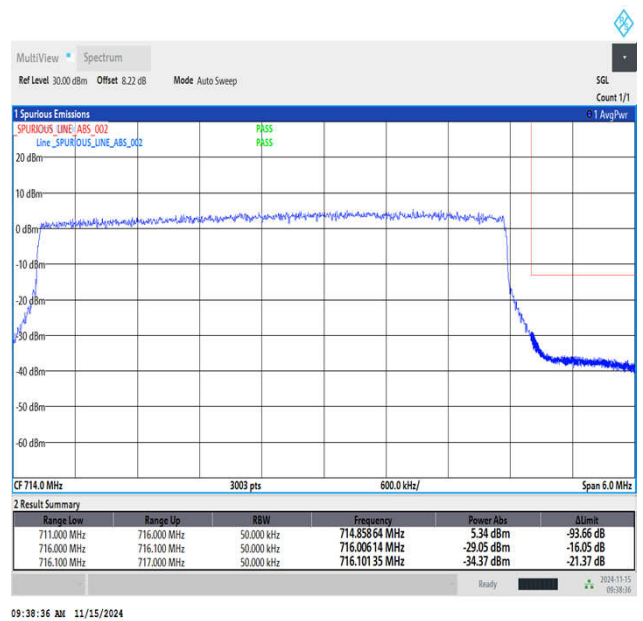
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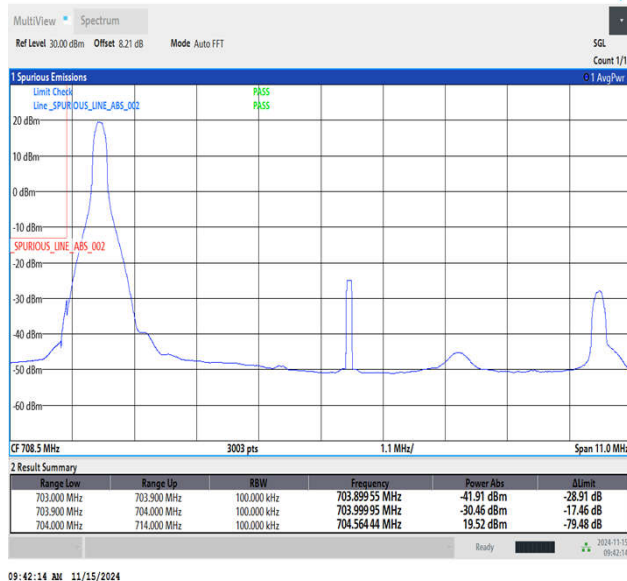
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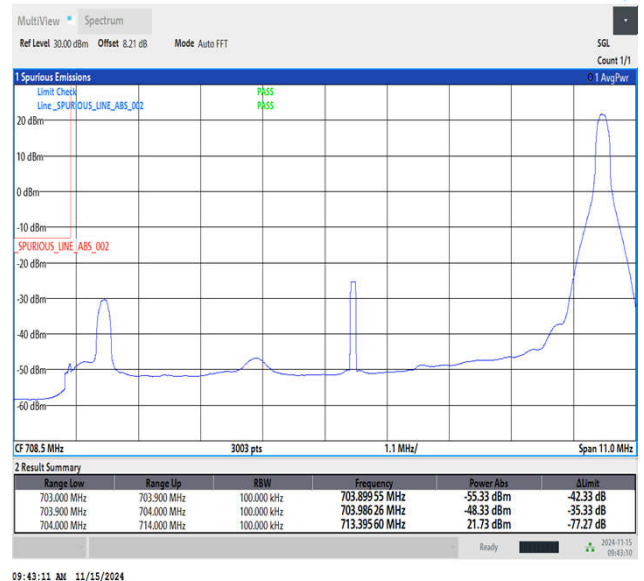
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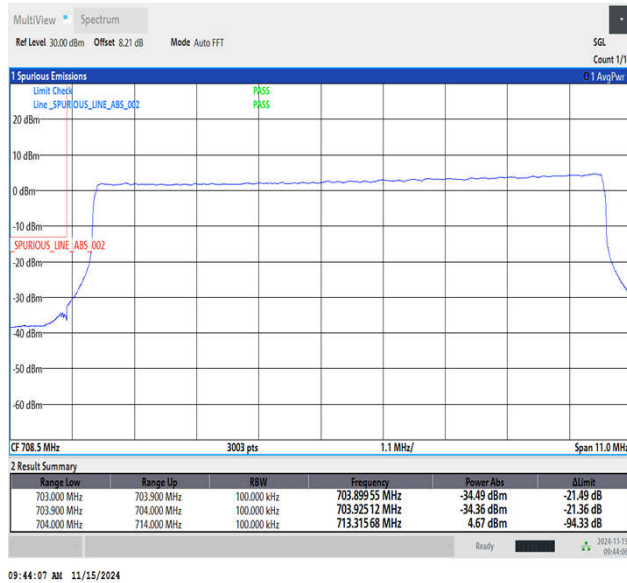
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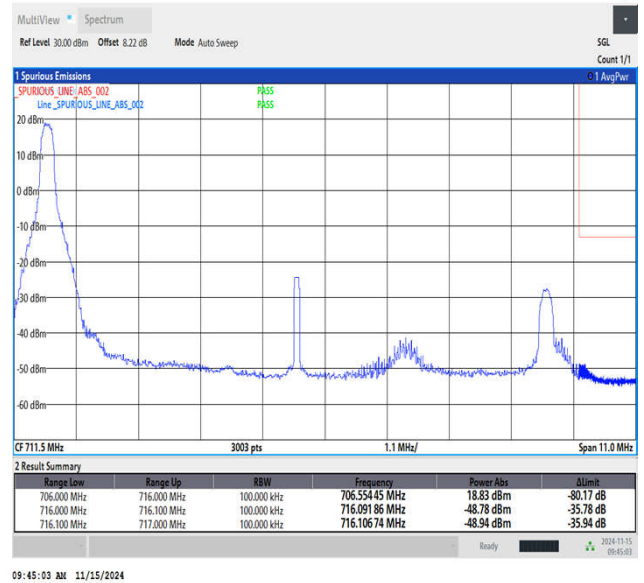
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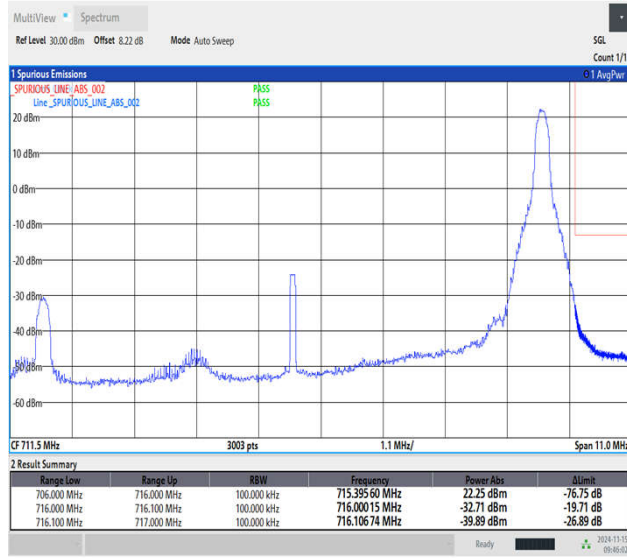
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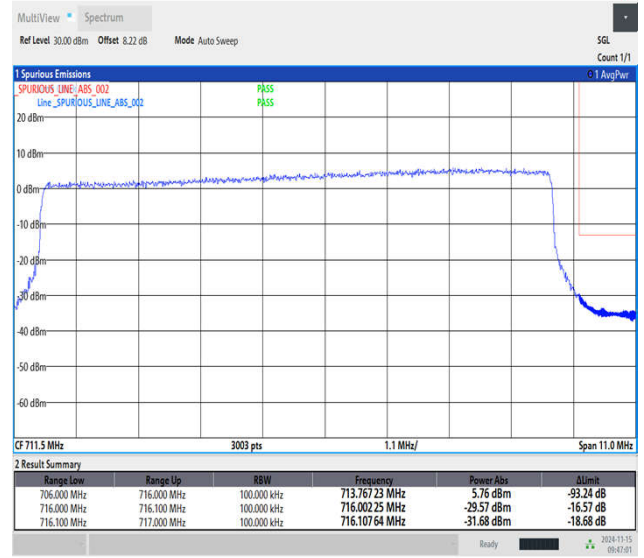
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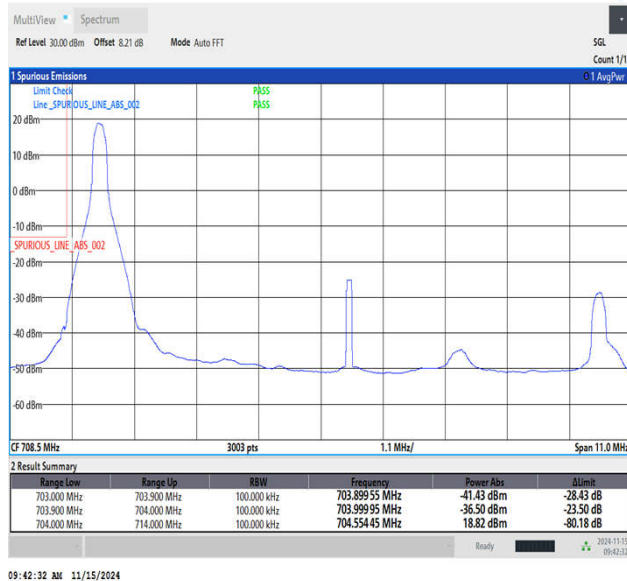
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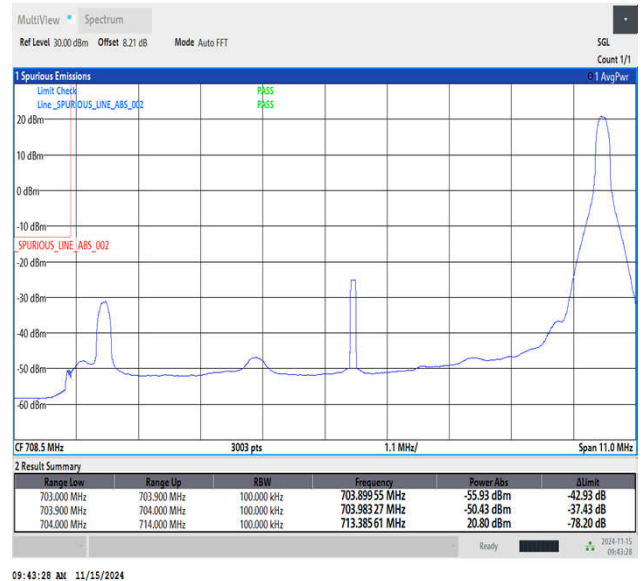
Band17_10MHz_QPSK_23800_1RB#49



Band17_10MHz_QPSK_23800_50RB#0



Band17_10MHz_16QAM_23780_1RB#0



Band17_10MHz_16QAM_23780_1RB#49