

Appendix for LTE 12B

Product Name: 5G Indoor CPE

Model No: TITAN 5000

Appendix A: Average Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
12-12	5MHz-5MHz	QPSK-QPSK	23035-23083	1RB#0-0RB#0	21.18	PASS
12-12	5MHz-5MHz	16QAM-16QAM	23035-23083	1RB#0-0RB#0	21.36	PASS
12-12	5MHz-5MHz	QPSK-QPSK	23035-23083	1RB#24-0RB#0	21.62	PASS
12-12	5MHz-5MHz	16QAM-16QAM	23035-23083	1RB#24-0RB#0	21.59	PASS
12-12	5MHz-5MHz	QPSK-QPSK	23035-23083	1RB#0-1RB#24	21.53	PASS
12-12	5MHz-5MHz	16QAM-16QAM	23035-23083	1RB#0-1RB#24	21.74	PASS
12-12	5MHz-5MHz	QPSK-QPSK	23035-23083	8RB#0-0RB#0	21.60	PASS
12-12	5MHz-5MHz	16QAM-16QAM	23035-23083	8RB#0-0RB#0	21.53	PASS
12-12	5MHz-5MHz	QPSK-QPSK	23035-23083	25RB#0-25RB#0	21.92	PASS
12-12	5MHz-5MHz	16QAM-16QAM	23035-23083	25RB#0-25RB#0	21.85	PASS
12-12	5MHz-5MHz	QPSK-QPSK	23071-23119	1RB#0-0RB#0	21.78	PASS
12-12	5MHz-5MHz	16QAM-16QAM	23071-23119	1RB#0-0RB#0	22.03	PASS
12-12	5MHz-5MHz	QPSK-QPSK	23071-23119	1RB#24-0RB#0	21.59	PASS
12-12	5MHz-5MHz	16QAM-16QAM	23071-23119	1RB#24-0RB#0	21.63	PASS
12-12	5MHz-5MHz	QPSK-QPSK	23071-23119	1RB#0-1RB#24	21.37	PASS
12-12	5MHz-5MHz	16QAM-16QAM	23071-23119	1RB#0-1RB#24	21.25	PASS
12-12	5MHz-5MHz	QPSK-QPSK	23071-23119	8RB#0-0RB#0	21.19	PASS
12-12	5MHz-5MHz	16QAM-16QAM	23071-23119	8RB#0-0RB#0	21.17	PASS
12-12	5MHz-5MHz	QPSK-QPSK	23071-23119	25RB#0-25RB#0	21.70	PASS
12-12	5MHz-5MHz	16QAM-16QAM	23071-23119	25RB#0-25RB#0	21.43	PASS
12-12	5MHz-5MHz	QPSK-QPSK	23107-23155	1RB#0-0RB#0	21.83	PASS
12-12	5MHz-5MHz	16QAM-16QAM	23107-23155	1RB#0-0RB#0	21.40	PASS
12-12	5MHz-5MHz	QPSK-QPSK	23107-23155	1RB#24-0RB#0	21.52	PASS
12-12	5MHz-5MHz	16QAM-16QAM	23107-23155	1RB#24-0RB#0	21.67	PASS
12-12	5MHz-5MHz	QPSK-QPSK	23107-23155	1RB#0-1RB#24	22.08	PASS
12-12	5MHz-5MHz	16QAM-16QAM	23107-23155	1RB#0-1RB#24	21.85	PASS
12-12	5MHz-5MHz	QPSK-QPSK	23107-23155	8RB#0-0RB#0	21.39	PASS
12-12	5MHz-5MHz	16QAM-16QAM	23107-23155	8RB#0-0RB#0	21.46	PASS
12-12	5MHz-5MHz	QPSK-QPSK	23107-23155	25RB#0-25RB#0	21.78	PASS
12-12	5MHz-5MHz	16QAM-16QAM	23107-23155	25RB#0-25RB#0	21.56	PASS
12-12	5MHz-10MHz	QPSK-QPSK	23038-23110	1RB#0-0RB#0	22.19	PASS
12-12	5MHz-10MHz	16QAM-16QAM	23038-23110	1RB#0-0RB#0	21.06	PASS
12-12	5MHz-10MHz	QPSK-QPSK	23038-23110	1RB#24-0RB#0	22.13	PASS
12-12	5MHz-10MHz	16QAM-16QAM	23038-23110	1RB#24-0RB#0	21.03	PASS
12-12	5MHz-10MHz	QPSK-QPSK	23038-23110	1RB#0-1RB#49	22.13	PASS
12-12	5MHz-10MHz	16QAM-16QAM	23038-23110	1RB#0-1RB#49	21.10	PASS

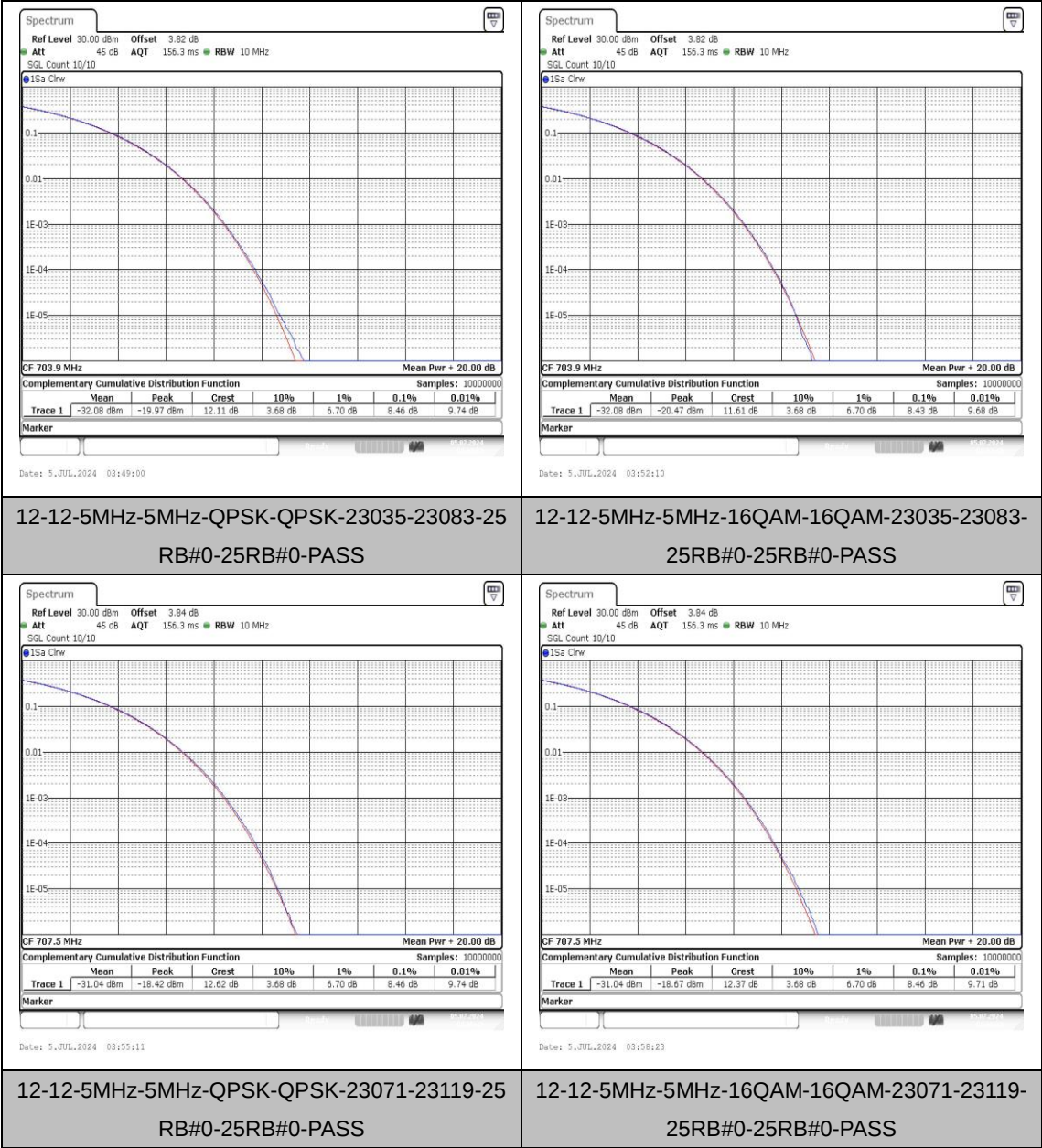
12-12	5MHz-10MHz	QPSK-QPSK	23038-23110	8RB#0-0RB#0	22.14	PASS
12-12	5MHz-10MHz	16QAM-16QAM	23038-23110	8RB#0-0RB#0	21.20	PASS
12-12	5MHz-10MHz	QPSK-QPSK	23038-23110	25RB#0-50RB#0	21.16	PASS
12-12	5MHz-10MHz	16QAM-16QAM	23038-23110	25RB#0-50RB#0	20.21	PASS
12-12	5MHz-10MHz	QPSK-QPSK	23048-23120	1RB#0-0RB#0	22.12	PASS
12-12	5MHz-10MHz	16QAM-16QAM	23048-23120	1RB#0-0RB#0	20.92	PASS
12-12	5MHz-10MHz	QPSK-QPSK	23048-23120	1RB#24-0RB#0	22.05	PASS
12-12	5MHz-10MHz	16QAM-16QAM	23048-23120	1RB#24-0RB#0	21.04	PASS
12-12	5MHz-10MHz	QPSK-QPSK	23048-23120	1RB#0-1RB#49	22.17	PASS
12-12	5MHz-10MHz	16QAM-16QAM	23048-23120	1RB#0-1RB#49	21.04	PASS
12-12	5MHz-10MHz	QPSK-QPSK	23048-23120	8RB#0-0RB#0	22.11	PASS
12-12	5MHz-10MHz	16QAM-16QAM	23048-23120	8RB#0-0RB#0	21.11	PASS
12-12	5MHz-10MHz	QPSK-QPSK	23048-23120	25RB#0-50RB#0	21.17	PASS
12-12	5MHz-10MHz	16QAM-16QAM	23048-23120	25RB#0-50RB#0	20.18	PASS
12-12	5MHz-10MHz	QPSK-QPSK	23058-23130	1RB#0-0RB#0	22.06	PASS
12-12	5MHz-10MHz	16QAM-16QAM	23058-23130	1RB#0-0RB#0	21.21	PASS
12-12	5MHz-10MHz	QPSK-QPSK	23058-23130	1RB#24-0RB#0	22.10	PASS
12-12	5MHz-10MHz	16QAM-16QAM	23058-23130	1RB#24-0RB#0	20.88	PASS
12-12	5MHz-10MHz	QPSK-QPSK	23058-23130	1RB#0-1RB#49	22.17	PASS
12-12	5MHz-10MHz	16QAM-16QAM	23058-23130	1RB#0-1RB#49	21.23	PASS
12-12	5MHz-10MHz	QPSK-QPSK	23058-23130	8RB#0-0RB#0	22.07	PASS
12-12	5MHz-10MHz	16QAM-16QAM	23058-23130	8RB#0-0RB#0	21.13	PASS
12-12	5MHz-10MHz	QPSK-QPSK	23058-23130	25RB#0-50RB#0	21.17	PASS
12-12	5MHz-10MHz	16QAM-16QAM	23058-23130	25RB#0-50RB#0	20.19	PASS

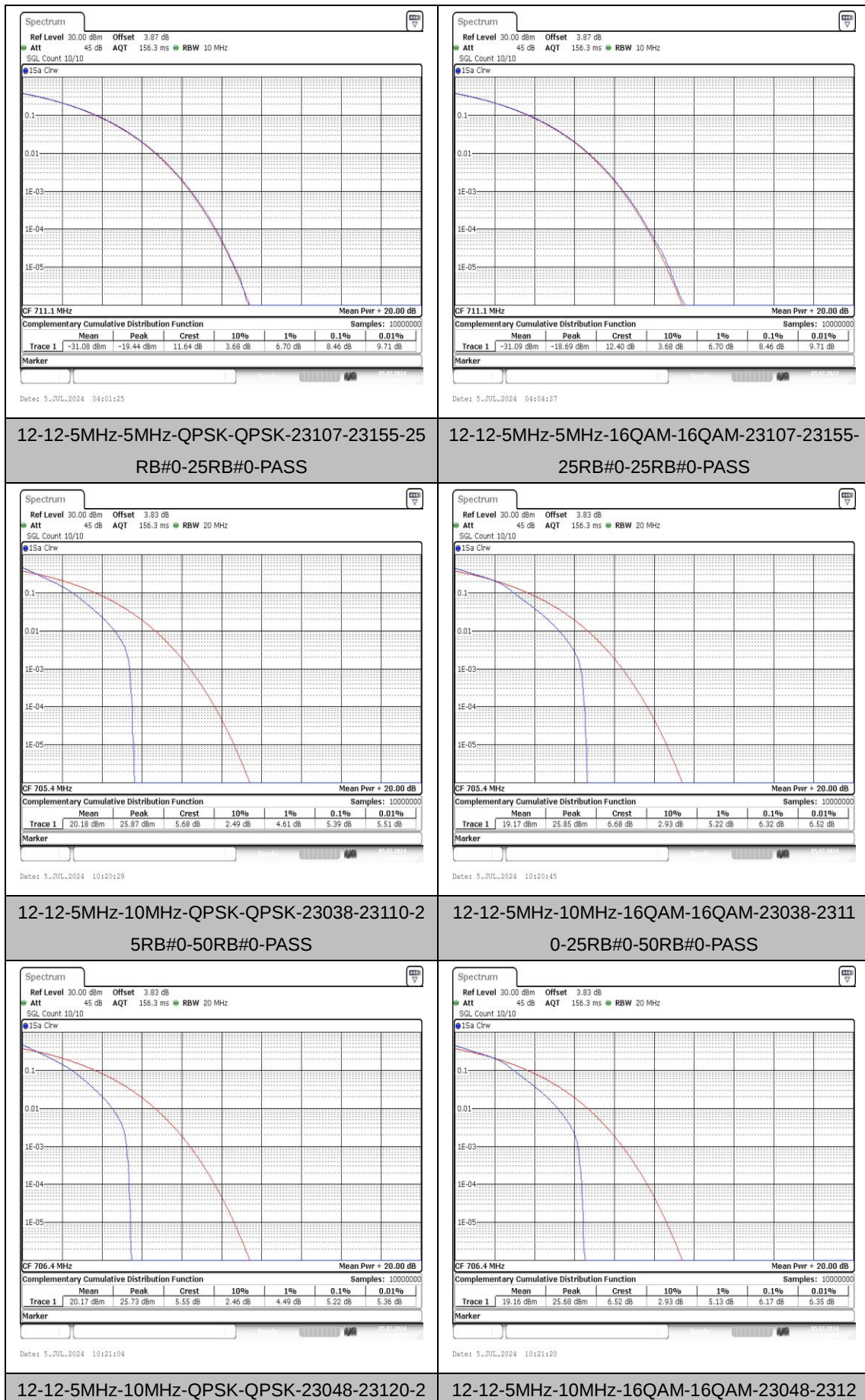
Appendix B: Peak-to-Average Ratio(CCDF)

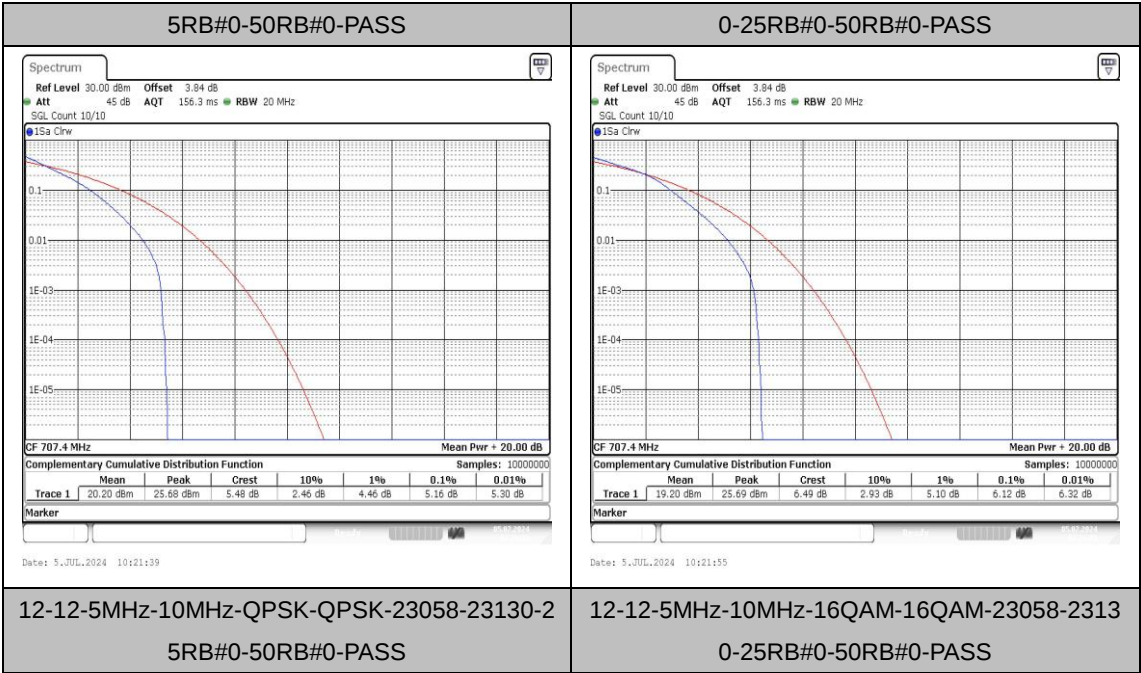
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
12-12	5MHz-5MHz	QPSK-QPSK	23035-23083	25RB#0-25RB#0	8.46	13	PASS
12-12	5MHz-5MHz	16QAM-16QAM	23035-23083	25RB#0-25RB#0	8.43	13	PASS
12-12	5MHz-5MHz	QPSK-QPSK	23071-23119	25RB#0-25RB#0	8.46	13	PASS
12-12	5MHz-5MHz	16QAM-16QAM	23071-23119	25RB#0-25RB#0	8.46	13	PASS
12-12	5MHz-5MHz	QPSK-QPSK	23107-23155	25RB#0-25RB#0	8.46	13	PASS
12-12	5MHz-5MHz	16QAM-16QAM	23107-23155	25RB#0-25RB#0	8.46	13	PASS
12-12	5MHz-10MHz	QPSK-QPSK	23038-23110	25RB#0-50RB#0	5.39	13	PASS
12-12	5MHz-10MHz	16QAM-16QAM	23038-23110	25RB#0-50RB#0	6.32	13	PASS
12-12	5MHz-10MHz	QPSK-QPSK	23048-23120	25RB#0-50RB#0	5.22	13	PASS
12-12	5MHz-10MHz	16QAM-16QAM	23048-23120	25RB#0-50RB#0	6.17	13	PASS
12-12	5MHz-10MHz	QPSK-QPSK	23058-23130	25RB#0-50RB#0	5.16	13	PASS
12-12	5MHz-10MHz	16QAM-16QAM	23058-23130	25RB#0-50RB#0	6.12	13	PASS

Test Graphs





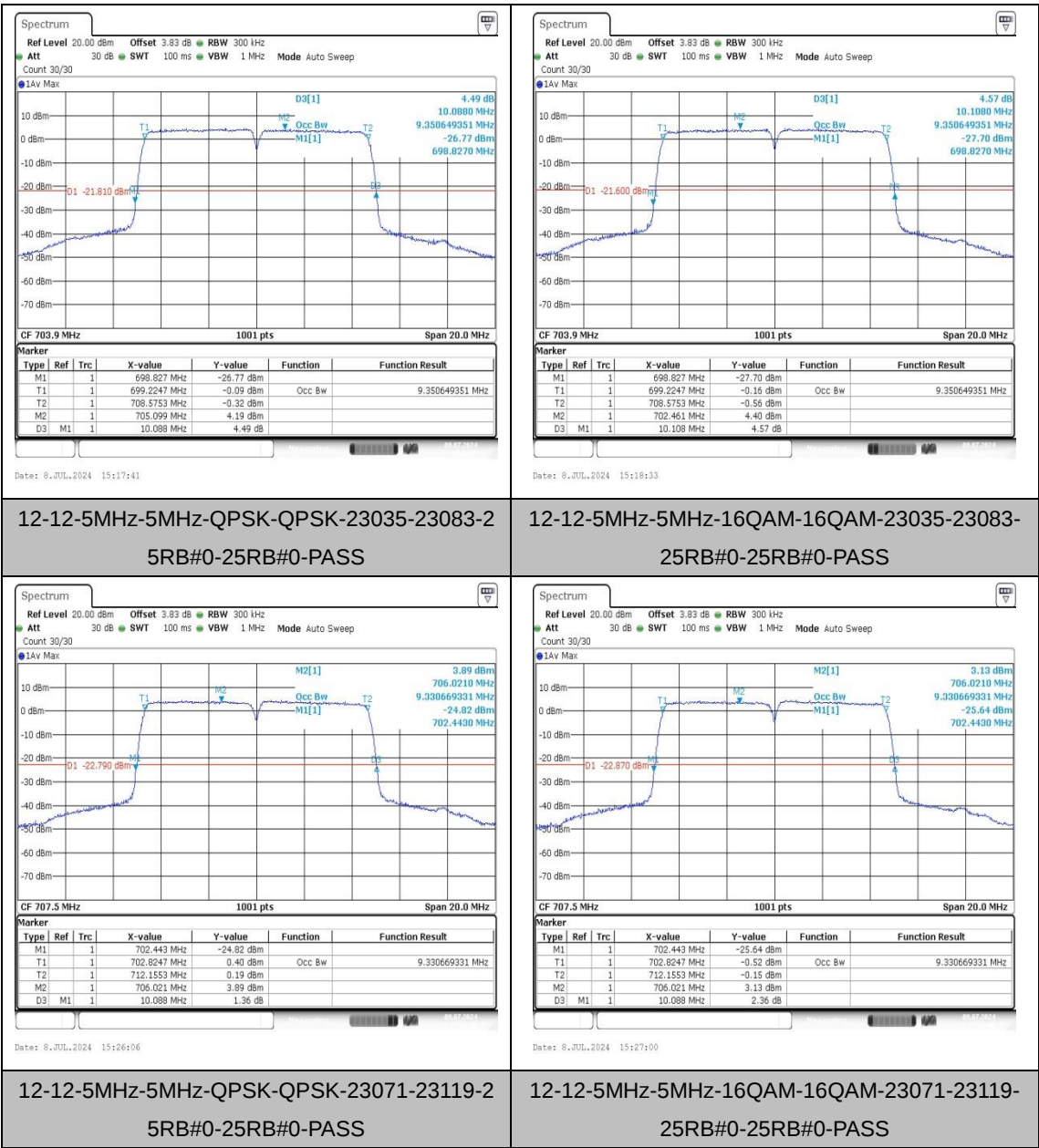


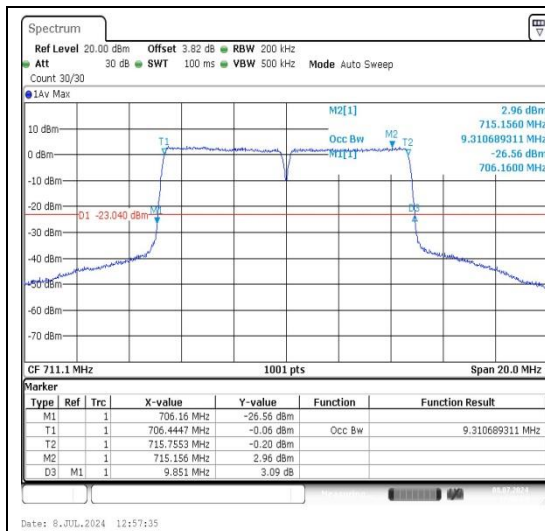
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

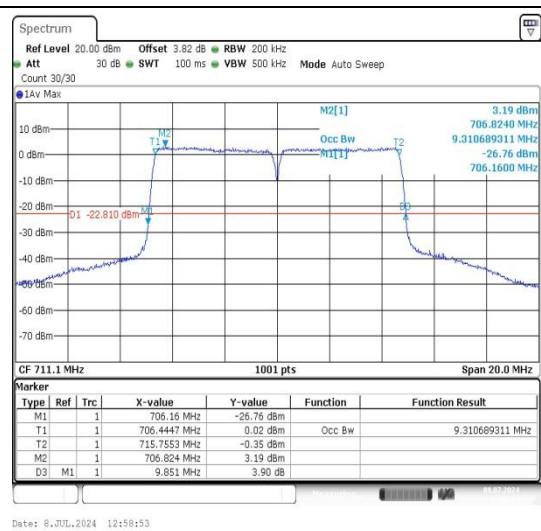
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
12-12	5MHz-5MHz	QPSK-QPSK	23035-23083	25RB#0-25RB#0	9.351	10.09	PASS
12-12	5MHz-5MHz	16QAM-16QAM	23035-23083	25RB#0-25RB#0	9.351	10.11	PASS
12-12	5MHz-5MHz	QPSK-QPSK	23071-23119	25RB#0-25RB#0	9.331	10.09	PASS
12-12	5MHz-5MHz	16QAM-16QAM	23071-23119	25RB#0-25RB#0	9.331	10.09	PASS
12-12	5MHz-5MHz	QPSK-QPSK	23107-23155	25RB#0-25RB#0	9.311	9.85	PASS
12-12	5MHz-5MHz	16QAM-16QAM	23107-23155	25RB#0-25RB#0	9.311	9.85	PASS
12-12	5MHz-10MHz	QPSK-QPSK	23038-23110	25RB#0-50RB#0	13.846	14.66	PASS
12-12	5MHz-10MHz	16QAM-16QAM	23038-23110	25RB#0-50RB#0	13.846	14.69	PASS
12-12	5MHz-10MHz	QPSK-QPSK	23048-23120	25RB#0-50RB#0	13.876	14.69	PASS
12-12	5MHz-10MHz	16QAM-16QAM	23048-23120	25RB#0-50RB#0	13.846	14.69	PASS
12-12	5MHz-10MHz	QPSK-QPSK	23058-23130	25RB#0-50RB#0	13.846	14.72	PASS
12-12	5MHz-10MHz	16QAM-16QAM	23058-23130	25RB#0-50RB#0	13.876	14.72	PASS

Test Graphs

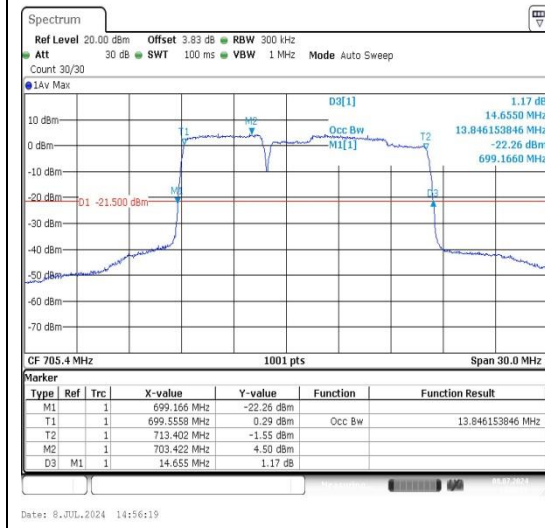




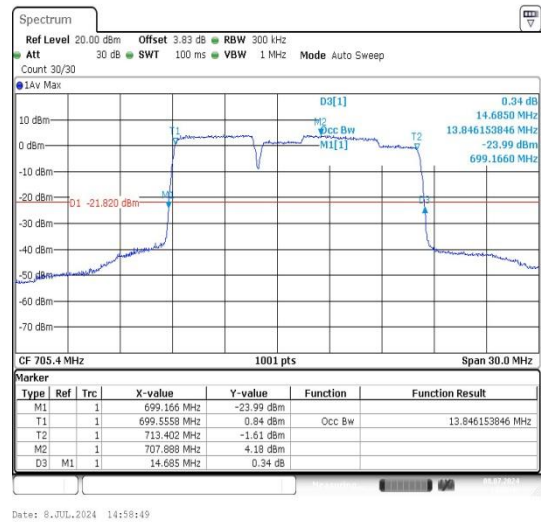
12-12-5MHz-5MHz-QPSK-QPSK-23107-23155-2
5RB#0-25RB#0-PASS



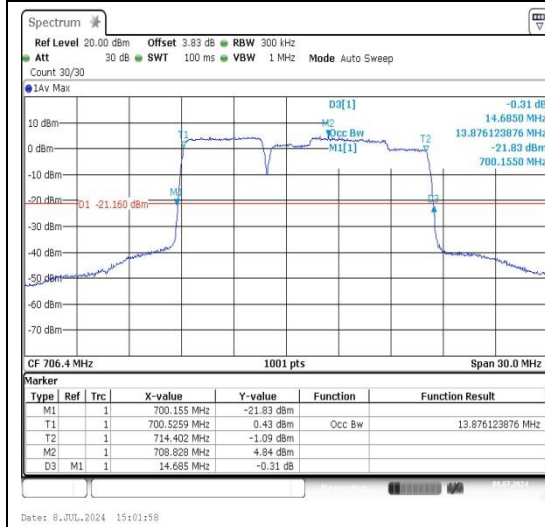
12-12-5MHz-5MHz-16QAM-16QAM-23107-23155-
25RB#0-25RB#0-PASS



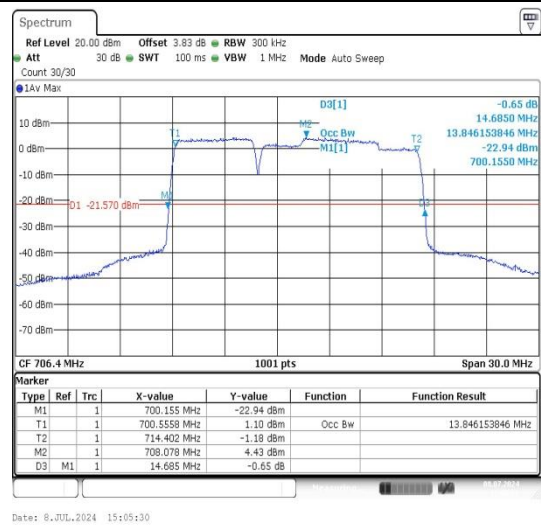
12-12-5MHz-10MHz-QPSK-QPSK-23038-23110-
25RB#0-50RB#0-PASS



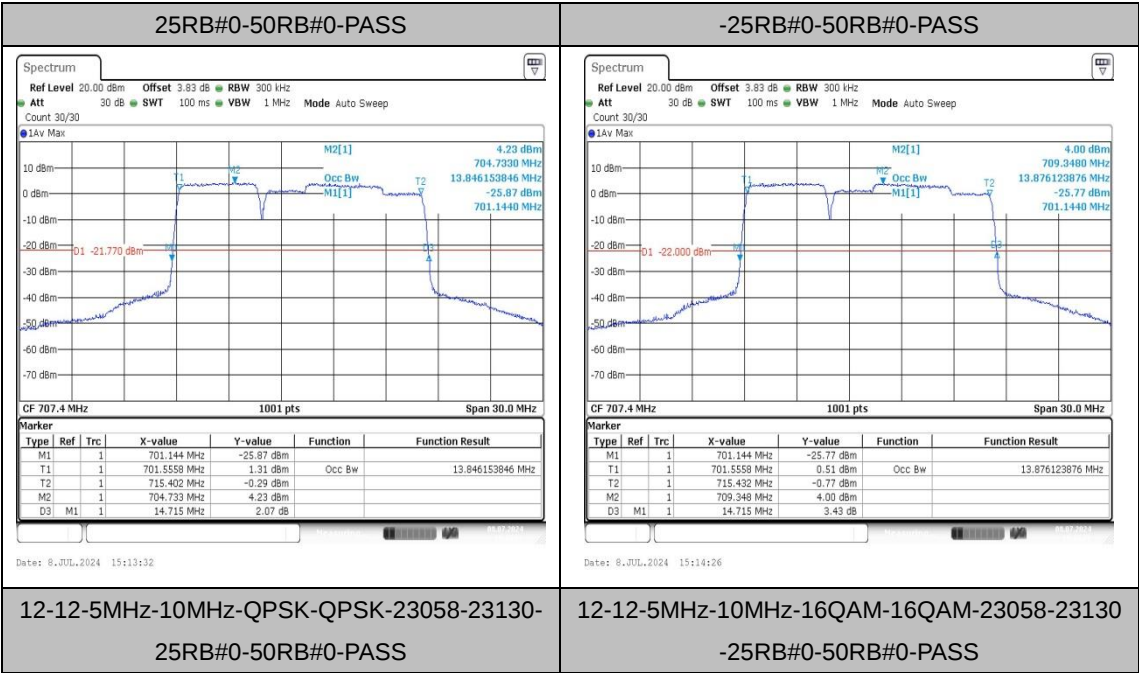
12-12-5MHz-10MHz-16QAM-16QAM-23038-23110-
-25RB#0-50RB#0-PASS



12-12-5MHz-10MHz-QPSK-QPSK-23048-23120-



12-12-5MHz-10MHz-16QAM-16QAM-23048-23120



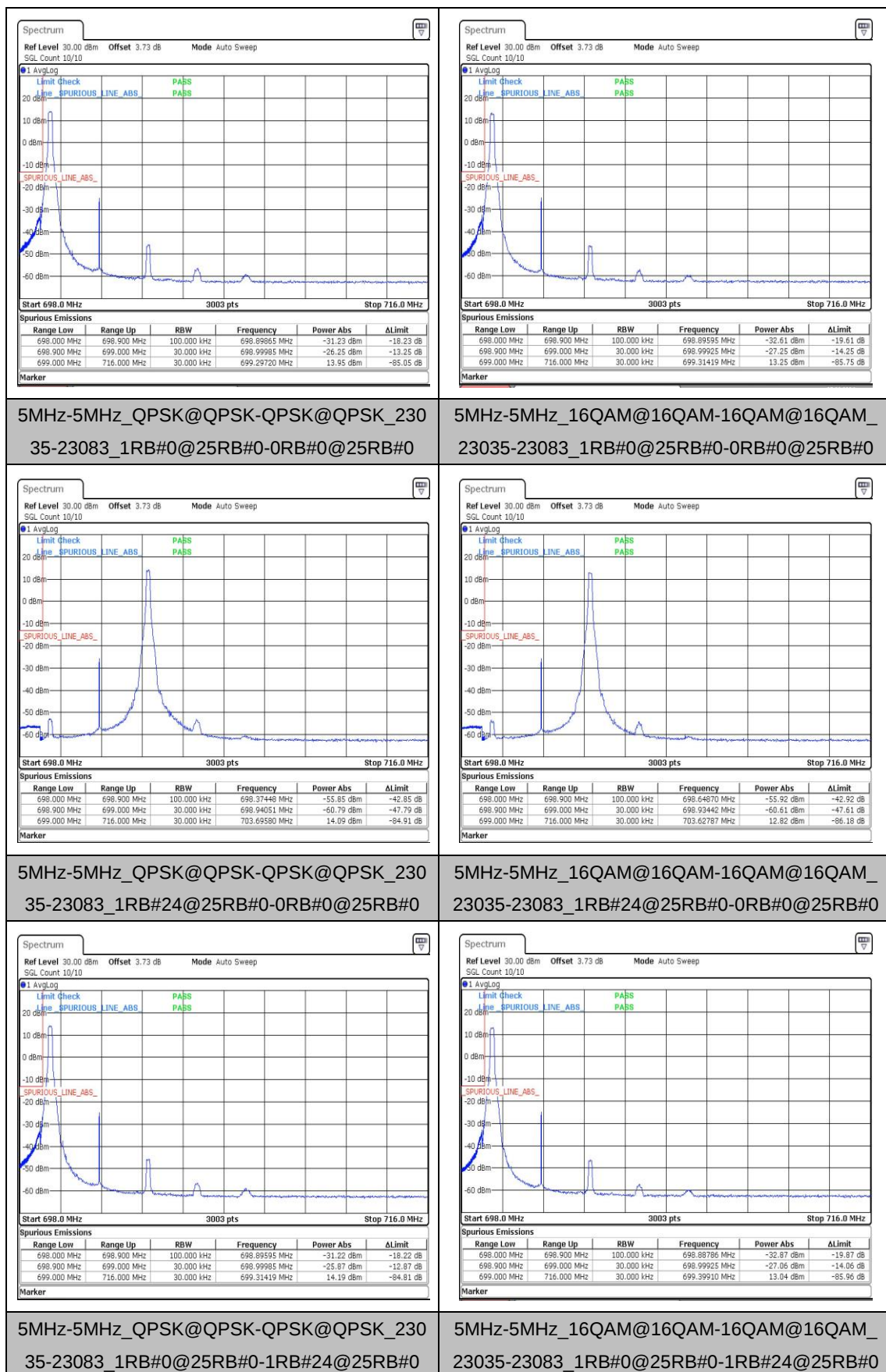
Appendix D: Band Edge

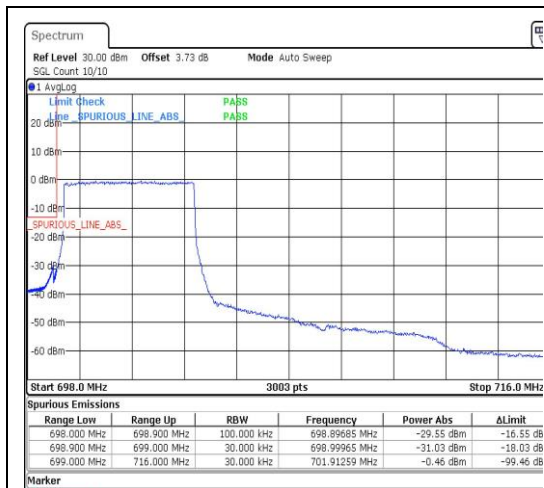
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
12-12	5MHz-5MHz	QPSK@QPSK-QPSK@QPSK	23035-23083	1RB#0@25RB#0-0RB#0@25RB#0	-26.25	PASS
12-12	5MHz-5MHz	16QAM@16QAM-16QAM@16QAM	23035-23083	1RB#0@25RB#0-0RB#0@25RB#0	-27.25	PASS
12-12	5MHz-5MHz	QPSK@QPSK-QPSK@QPSK	23035-23083	1RB#24@25RB#0-0RB#0@25RB#0	-55.85	PASS
12-12	5MHz-5MHz	16QAM@16QAM-16QAM@16QAM	23035-23083	1RB#24@25RB#0-0RB#0@25RB#0	-55.92	PASS
12-12	5MHz-5MHz	QPSK@QPSK-QPSK@QPSK	23035-23083	1RB#0@25RB#0-1RB#24@25RB#0	-25.87	PASS
12-12	5MHz-5MHz	16QAM@16QAM-16QAM@16QAM	23035-23083	1RB#0@25RB#0-1RB#24@25RB#0	-27.06	PASS
12-12	5MHz-5MHz	QPSK@QPSK-QPSK@QPSK	23035-23083	25RB#0@25RB#0-25RB#0@25RB#0	-29.55	PASS
12-12	5MHz-5MHz	16QAM@16QAM-16QAM@16QAM	23035-23083	25RB#0@25RB#0-25RB#0@25RB#0	-30.70	PASS
12-12	5MHz-5MHz	QPSK@QPSK-QPSK@QPSK	23107-23155	1RB#0@25RB#0-0RB#0@25RB#0	-56.68	PASS
12-12	5MHz-5MHz	16QAM@16QAM-16QAM@16QAM	23107-23155	1RB#0@25RB#0-0RB#0@25RB#0	-56.79	PASS
12-12	5MHz-5MHz	QPSK@QPSK-QPSK@QPSK	23107-23155	1RB#24@25RB#0-0RB#0@25RB#0	-56.35	PASS
12-12	5MHz-5MHz	16QAM@16QAM-16QAM@16QAM	23107-23155	1RB#24@25RB#0-0RB#0@25RB#0	-56.42	PASS
12-12	5MHz-5MHz	QPSK@QPSK-QPSK@QPSK	23107-23155	1RB#0@25RB#0-1RB#24@25RB#0	-56.78	PASS
12-12	5MHz-5MHz	16QAM@16QAM-16QAM@16QAM	23107-23155	1RB#0@25RB#0-1RB#24@25RB#0	-56.80	PASS
12-12	5MHz-5MHz	QPSK@QPSK-QPSK@QPSK	23107-23155	25RB#0@25RB#0-25RB#0@25RB#0	-46.10	PASS
12-12	5MHz-5MHz	16QAM@16QAM-16QAM@16QAM	23107-23155	25RB#0@25RB#0-25RB#0@25RB#0	-46.16	PASS
12-12	5MHz-10MHz	QPSK@QPSK-QPSK@QPSK	23038-23110	1RB#0@25RB#0-0RB#0@50RB#0	-40.74	PASS
12-12	5MHz-10MHz	16QAM@16QAM-16QAM@16QAM	23038-23110	1RB#0@25RB#0-0RB#0@50RB#0	-43.30	PASS
12-12	5MHz-10MHz	QPSK@QPSK-QPSK@QPSK	23038-23110	1RB#24@25RB#0-0RB#0@50RB#0	-55.78	PASS

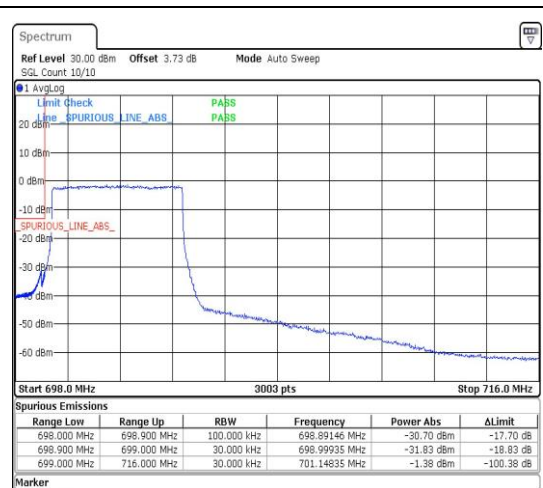
12	MHz	QPSK	3110	@50RB#0		S
12-12	5MHz-10 MHz	16QAM@16QAM-16QAM@16QAM	23038-2 3110	1RB#24@25RB#0-0RB#0 @50RB#0	-56.03	PAS S
12-12	5MHz-10 MHz	QPSK@QPSK-QPSK@QPSK	23038-2 3110	1RB#0@25RB#0-1RB#49 @50RB#0	-40.30	PAS S
12-12	5MHz-10 MHz	16QAM@16QAM-16QAM@16QAM	23038-2 3110	1RB#0@25RB#0-1RB#49 @50RB#0	-42.79	PAS S
12-12	5MHz-10 MHz	QPSK@QPSK-QPSK@QPSK	23038-2 3110	25RB#0@25RB#0-50RB#0@50RB#0	-37.24	PAS S
12-12	5MHz-10 MHz	16QAM@16QAM-16QAM@16QAM	23038-2 3110	25RB#0@25RB#0-50RB#0@50RB#0	-38.55	PAS S
12-12	5MHz-10 MHz	QPSK@QPSK-QPSK@QPSK	23058-2 3130	1RB#0@25RB#0-0RB#0 @50RB#0	-56.78	PAS S
12-12	5MHz-10 MHz	16QAM@16QAM-16QAM@16QAM	23058-2 3130	1RB#0@25RB#0-0RB#0 @50RB#0	-56.78	PAS S
12-12	5MHz-10 MHz	QPSK@QPSK-QPSK@QPSK	23058-2 3130	1RB#24@25RB#0-0RB#0 @50RB#0	-56.78	PAS S
12-12	5MHz-10 MHz	16QAM@16QAM-16QAM@16QAM	23058-2 3130	1RB#24@25RB#0-0RB#0 @50RB#0	-56.81	PAS S
12-12	5MHz-10 MHz	QPSK@QPSK-QPSK@QPSK	23058-2 3130	1RB#0@25RB#0-1RB#49 @50RB#0	-56.86	PAS S
12-12	5MHz-10 MHz	16QAM@16QAM-16QAM@16QAM	23058-2 3130	1RB#0@25RB#0-1RB#49 @50RB#0	-56.75	PAS S
12-12	5MHz-10 MHz	QPSK@QPSK-QPSK@QPSK	23058-2 3130	25RB#0@25RB#0-50RB#0@50RB#0	-54.61	PAS S
12-12	5MHz-10 MHz	16QAM@16QAM-16QAM@16QAM	23058-2 3130	25RB#0@25RB#0-50RB#0@50RB#0	-55.26	PAS S

Test Graphs

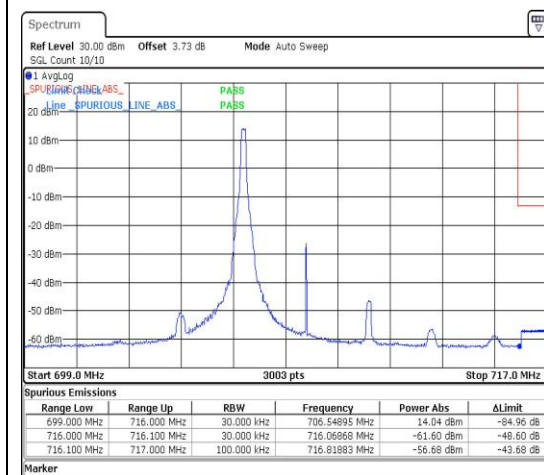




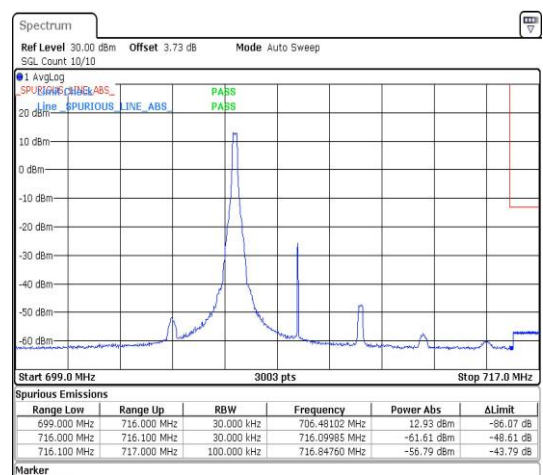
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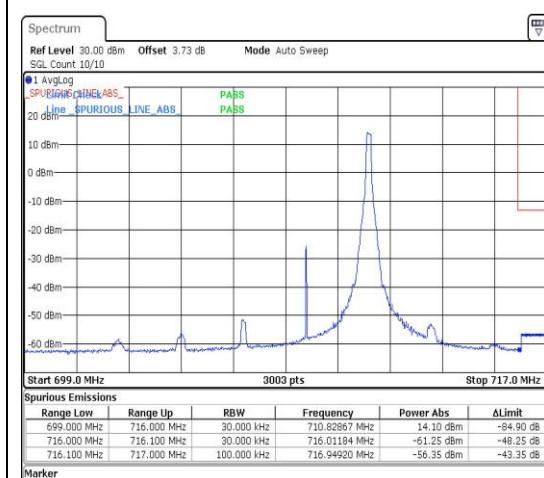
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0



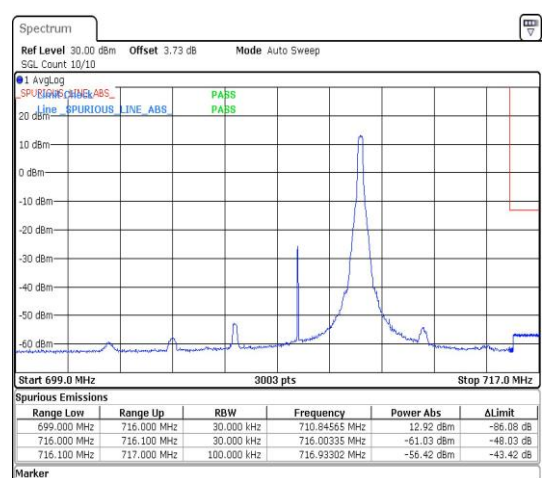
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07-23155_1RB#0@25RB#0-0RB#0@25RB#0



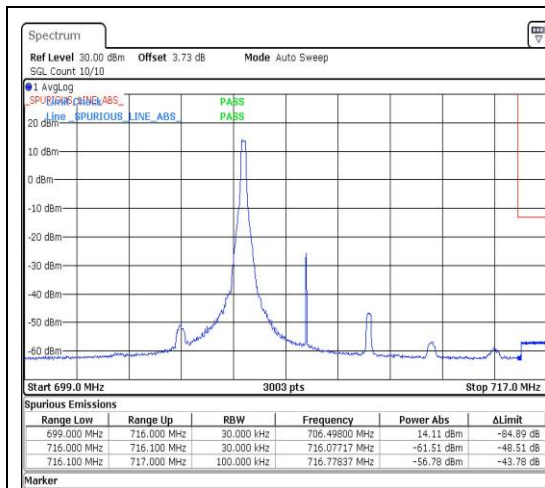
5MHz-5MHz_16QAM@16QAM-16QAM@16QAM_23107-23155_1RB#0@25RB#0-0RB#0@25RB#0



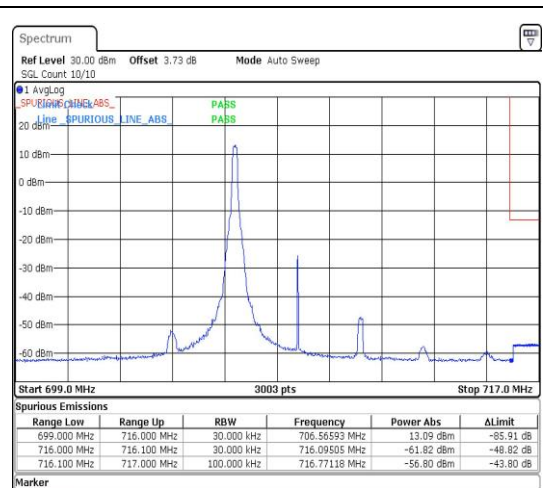
5MHz-5MHz_QPSK@QPSK-QPSK@QPSK_231
07-23155_1RB#24@25RB#0-0RB#0@25RB#0



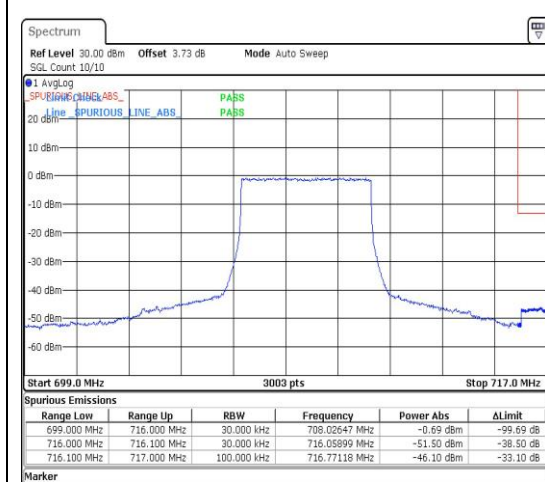
5MHz-5MHz_16QAM@16QAM-16QAM@16QAM_23107-23155_1RB#24@25RB#0-0RB#0@25RB#0



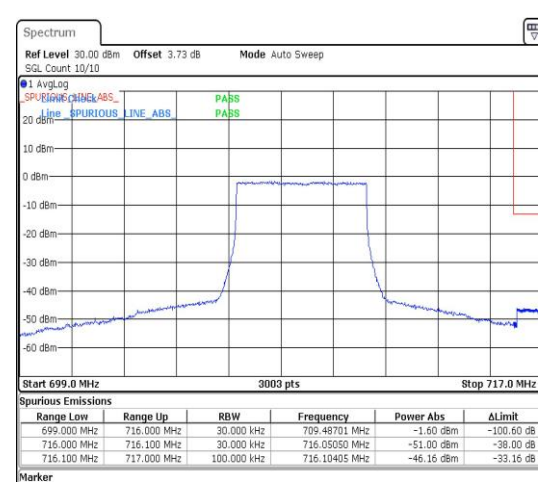
5MHz-5MHz_QPSK@QPSK-QPSK@QPSK_231
07-23155_1RB#0@25RB#0-1RB#24@25RB#0



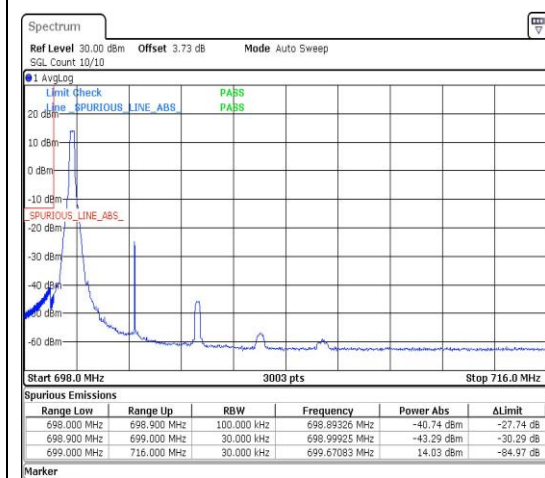
5MHz-5MHz_16QAM@16QAM-16QAM@16QAM_
23107-23155_1RB#0@25RB#0-1RB#24@25RB#0



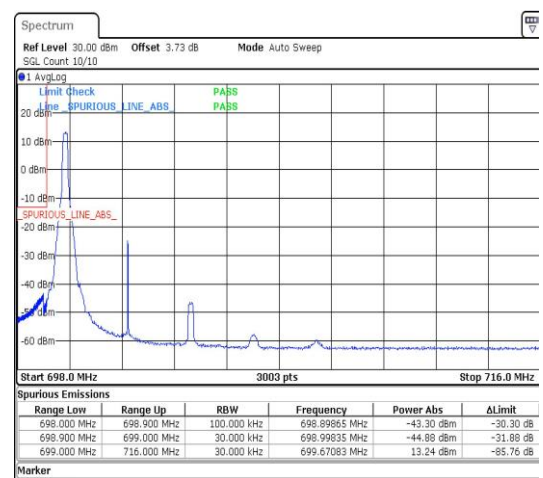
5MHz-5MHz_QPSK@QPSK-QPSK@QPSK_231
07-23155_25RB#0@25RB#0-25RB#0@25RB#0



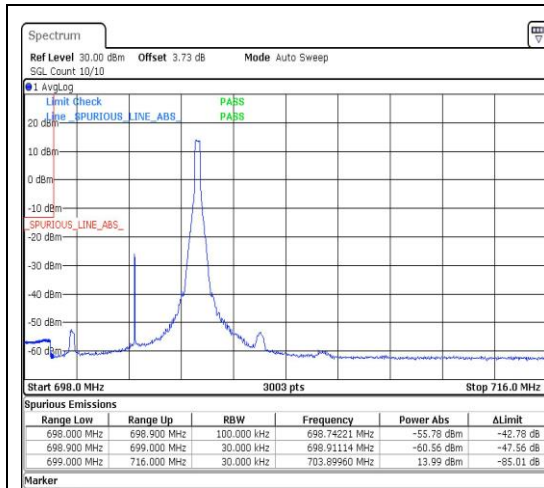
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23107-23155_25RB#0@25RB#0-25RB#0@25RB#0



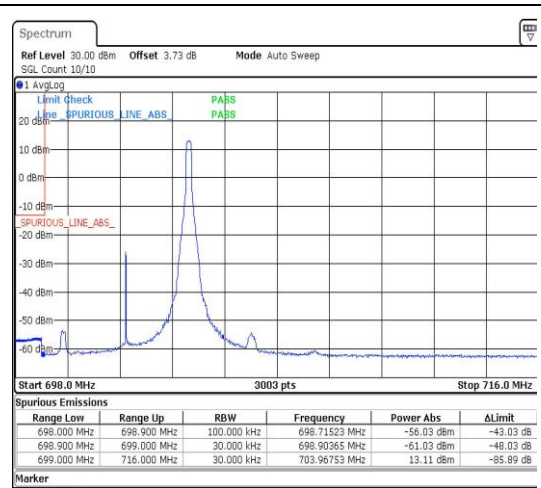
5MHz-10MHz_QPSK@QPSK-QPSK@QPSK_23
038-23110_1RB#0@25RB#0-0RB#0@50RB#0



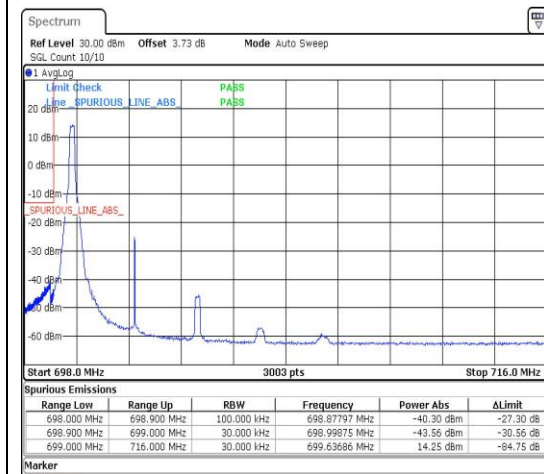
5MHz-10MHz_16QAM@16QAM-16QAM@16QAM_
_23038-23110_1RB#0@25RB#0-0RB#0@50RB#0



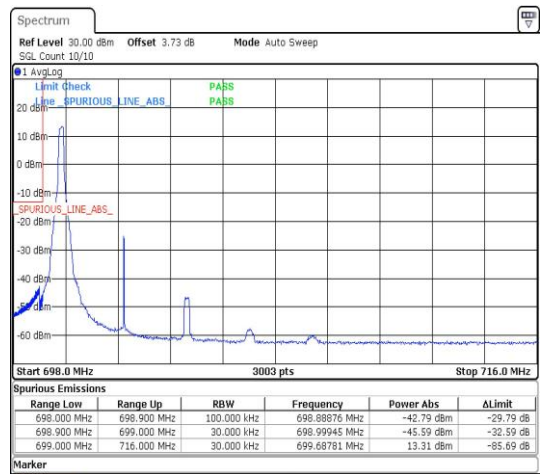
5MHz-10MHz_QPSK@QPSK-QPSK@QPSK_23
038-23110_1RB#24@25RB#0-0RB#0@50RB#0



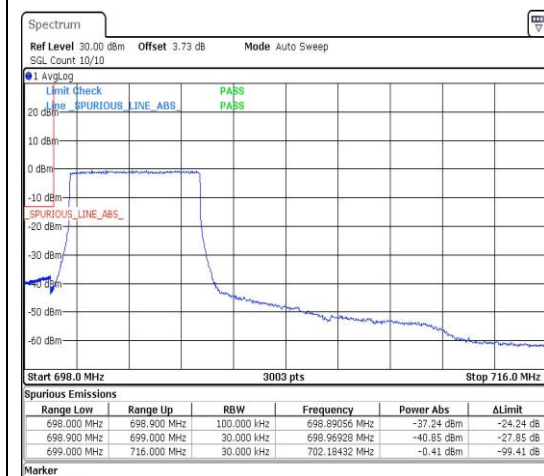
5MHz-10MHz_16QAM@16QAM-16QAM@16QAM
_23038-23110_1RB#24@25RB#0-0RB#0@50RB#
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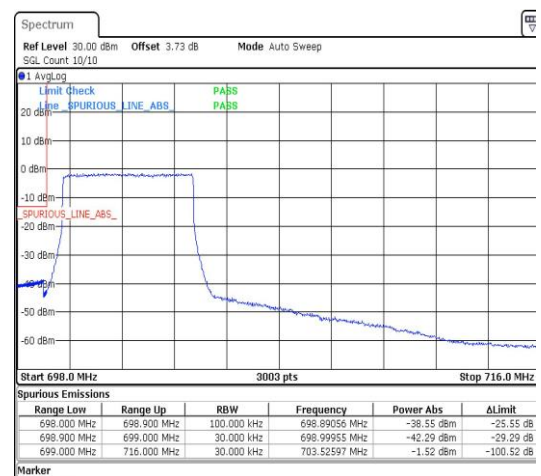
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038-23110_1RB#0@25RB#0-1RB#49@50RB#0



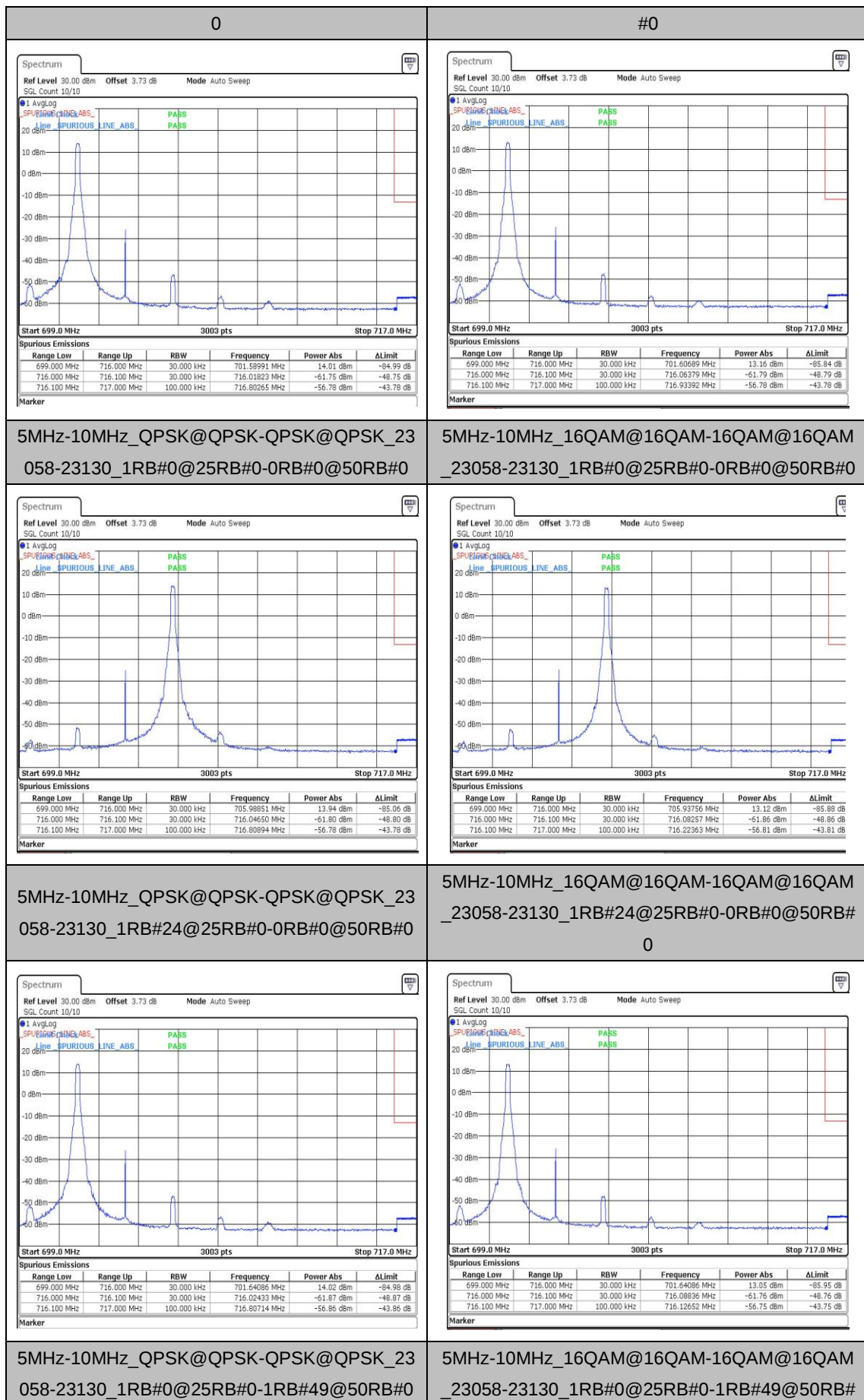
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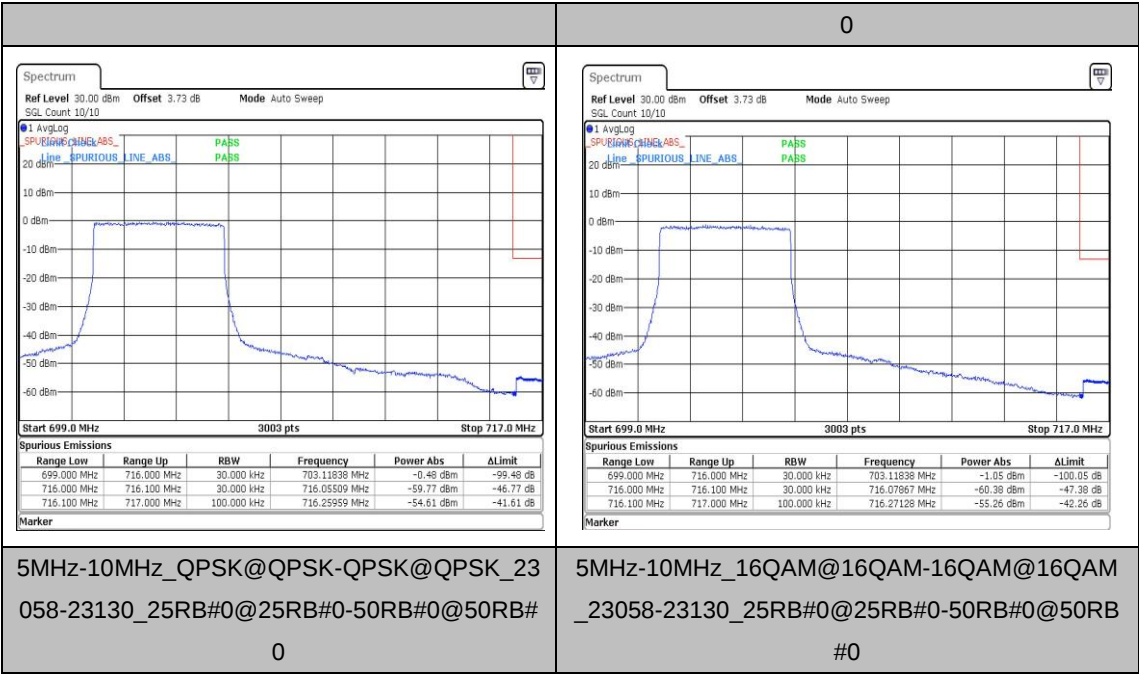


5MHz-10MHz_QPSK@QPSK-QPSK@QPSK_23
038-23110_25RB#0@25RB#0-50RB#0@50RB#



5MHz-10MHz_16QAM@16QAM-16QAM@16QAM
_23038-23110_25RB#0@25RB#0-50RB#0@50RB





Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
12-1 2	5MHz-5MHz	QPSK-QPSK	23035-23083	1RB#0-0RB#0	0.009~0.15MHz	-90.69	PASS
12-1 2	5MHz-5MHz	QPSK-QPSK	23035-23083	1RB#0-0RB#0	0.15~30MHz	-73.83	PASS
12-1 2	5MHz-5MHz	QPSK-QPSK	23035-23083	1RB#0-0RB#0	30~1000MHz	-68.29	PASS
12-1 2	5MHz-5MHz	QPSK-QPSK	23035-23083	1RB#0-0RB#0	1000~20000MHz	-49.14	PASS
12-1 2	5MHz-5MHz	QPSK-QPSK	23035-23083	1RB#0-0RB#0	20000~27000MHz	-34.14	PASS
12-1 2	5MHz-5MHz	16QAM-16QAM	23035-23083	1RB#0-0RB#0	0.009~0.15MHz	-90.58	PASS
12-1 2	5MHz-5MHz	16QAM-16QAM	23035-23083	1RB#0-0RB#0	0.15~30MHz	-73.6	PASS
12-1 2	5MHz-5MHz	16QAM-16QAM	23035-23083	1RB#0-0RB#0	30~1000MHz	-68.37	PASS
12-1 2	5MHz-5MHz	16QAM-16QAM	23035-23083	1RB#0-0RB#0	1000~20000MHz	-49.09	PASS
12-1 2	5MHz-5MHz	16QAM-16QAM	23035-23083	1RB#0-0RB#0	20000~27000MHz	-34.37	PASS
12-1 2	5MHz-5MHz	QPSK-QPSK	23035-23083	1RB#24-0RB#0	0.009~0.15MHz	-90.6	PASS
12-1 2	5MHz-5MHz	QPSK-QPSK	23035-23083	1RB#24-0RB#0	0.15~30MHz	-75.93	PASS
12-1 2	5MHz-5MHz	QPSK-QPSK	23035-23083	1RB#24-0RB#0	30~1000MHz	-68.04	PASS
12-1 2	5MHz-5MHz	QPSK-QPSK	23035-23083	1RB#24-0RB#0	1000~20000MHz	-48.91	PASS
12-1 2	5MHz-5MHz	QPSK-QPSK	23035-23083	1RB#24-0RB#0	20000~27000MHz	-34.42	PASS
12-1 2	5MHz-5MHz	16QAM-16QAM	23035-23083	1RB#24-0RB#0	0.009~0.15MHz	-90.67	PASS
12-1 2	5MHz-5MHz	16QAM-16QAM	23035-23083	1RB#24-0RB#0	0.15~30MHz	-74.26	PASS
12-1	5MHz-5MHz	16QAM-16QAM	23035-23083	1RB#24-0RB#0	30~1000MHz	-67.5	PASS

2	z	AM	83	0		5	
12-1	5MHz-5MH	16QAM-16Q	23035-230	1RB#24-0RB#	1000~20000M	-49.0	PASS
2	z	AM	83	0	Hz	6	
12-1	5MHz-5MH	16QAM-16Q	23035-230	1RB#24-0RB#	20000~27000M	-34.1	PASS
2	z	AM	83	0	Hz	6	
12-1	5MHz-5MH	QPSK-QPSK	23035-230	1RB#0-1RB#2	0.009~0.15MHz	-90.7	PASS
2	z		83	4			
12-1	5MHz-5MH	QPSK-QPSK	23035-230	1RB#0-1RB#2	0.15~30MHz	-74.5	PASS
2	z		83	4		4	
12-1	5MHz-5MH	QPSK-QPSK	23035-230	1RB#0-1RB#2	30~1000MHz	-68.0	PASS
2	z		83	4		3	
12-1	5MHz-5MH	QPSK-QPSK	23035-230	1RB#0-1RB#2	1000~20000M	-49.0	PASS
2	z		83	4	Hz	4	
12-1	5MHz-5MH	QPSK-QPSK	23035-230	1RB#0-1RB#2	20000~27000M	-34.2	PASS
2	z		83	4	Hz	5	
12-1	5MHz-5MH	16QAM-16Q	23035-230	1RB#0-1RB#2	0.009~0.15MHz	-90.3	PASS
2	z	AM	83	4		1	
12-1	5MHz-5MH	16QAM-16Q	23035-230	1RB#0-1RB#2	0.15~30MHz	-75.3	PASS
2	z	AM	83	4		8	
12-1	5MHz-5MH	16QAM-16Q	23035-230	1RB#0-1RB#2	30~1000MHz	-67.9	PASS
2	z	AM	83	4		1	
12-1	5MHz-5MH	16QAM-16Q	23035-230	1RB#0-1RB#2	1000~20000M	-49	PASS
2	z	AM	83	4	Hz		
12-1	5MHz-5MH	16QAM-16Q	23035-230	1RB#0-1RB#2	20000~27000M	-34.2	PASS
2	z	AM	83	4	Hz	5	
12-1	5MHz-5MH	QPSK-QPSK	23035-230	25RB#0-25RB	0.009~0.15MHz	-90.9	PASS
2	z		83	#0		7	
12-1	5MHz-5MH	QPSK-QPSK	23035-230	25RB#0-25RB	0.15~30MHz	-74.8	PASS
2	z		83	#0		1	
12-1	5MHz-5MH	QPSK-QPSK	23035-230	25RB#0-25RB	30~1000MHz	-68.3	PASS
2	z		83	#0		3	
12-1	5MHz-5MH	QPSK-QPSK	23035-230	25RB#0-25RB	1000~20000M	-49.1	PASS
2	z		83	#0	Hz	4	
12-1	5MHz-5MH	QPSK-QPSK	23035-230	25RB#0-25RB	20000~27000M	-34.2	PASS
2	z		83	#0	Hz	5	
12-1	5MHz-5MH	16QAM-16Q	23035-230	25RB#0-25RB	0.009~0.15MHz	-90.6	PASS
2	z	AM	83	#0		2	
12-1	5MHz-5MH	16QAM-16Q	23035-230	25RB#0-25RB	0.15~30MHz	-74.9	PASS
2	z	AM	83	#0		2	
12-1	5MHz-5MH	16QAM-16Q	23035-230	25RB#0-25RB	30~1000MHz	-68.0	PASS
2	z	AM	83	#0		3	
12-1	5MHz-5MH	16QAM-16Q	23035-230	25RB#0-25RB	1000~20000M	-49.0	PASS
2	z	AM	83	#0	Hz	1	

12-1 2	5MHz-5MH z	16QAM-16Q AM	23035-230 83	25RB#0-25RB #0	20000~27000M Hz	-34.0 9	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23071-231 19	1RB#0-0RB#0	0.009~0.15MHz	-90.7	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23071-231 19	1RB#0-0RB#0	0.15~30MHz	-75.8 2	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23071-231 19	1RB#0-0RB#0	30~1000MHz	-68.0 5	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23071-231 19	1RB#0-0RB#0	1000~20000M Hz	-49.0 6	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23071-231 19	1RB#0-0RB#0	20000~27000M Hz	-34.1 4	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23071-231 19	1RB#0-0RB#0	0.009~0.15MHz	-90.8	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23071-231 19	1RB#0-0RB#0	0.15~30MHz	-73.3 4	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23071-231 19	1RB#0-0RB#0	30~1000MHz	-67.8 1	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23071-231 19	1RB#0-0RB#0	1000~20000M Hz	-49.0 5	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23071-231 19	1RB#0-0RB#0	20000~27000M Hz	-34.1 4	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23071-231 19	1RB#24-0RB# 0	0.009~0.15MHz	-90.6 2	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23071-231 19	1RB#24-0RB# 0	0.15~30MHz	-76.0 8	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23071-231 19	1RB#24-0RB# 0	30~1000MHz	-68.2 3	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23071-231 19	1RB#24-0RB# 0	1000~20000M Hz	-48.9 1	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23071-231 19	1RB#24-0RB# 0	20000~27000M Hz	-34.3	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23071-231 19	1RB#24-0RB# 0	0.009~0.15MHz	-90.7 4	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23071-231 19	1RB#24-0RB# 0	0.15~30MHz	-75.6 6	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23071-231 19	1RB#24-0RB# 0	30~1000MHz	-68.2 2	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23071-231 19	1RB#24-0RB# 0	1000~20000M Hz	-49.0 8	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23071-231 19	1RB#24-0RB# 0	20000~27000M Hz	-34.1 4	PASS
12-1	5MHz-5MH	QPSK-QPSK	23071-231	1RB#0-1RB#2	0.009~0.15MHz	-90.8	PASS

2	z		19	4		3	
12-1 2	5MHz-5MH z	QPSK-QPSK	23071-231 19	1RB#0-1RB#2 4	0.15~30MHz	-75.3 6	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23071-231 19	1RB#0-1RB#2 4	30~1000MHz	-68.2 4	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23071-231 19	1RB#0-1RB#2 4	1000~20000M Hz	-49.0 5	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23071-231 19	1RB#0-1RB#2 4	20000~27000M Hz	-34.2	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23071-231 19	1RB#0-1RB#2 4	0.009~0.15MHz	-90.6 8	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23071-231 19	1RB#0-1RB#2 4	0.15~30MHz	-74.9 7	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23071-231 19	1RB#0-1RB#2 4	30~1000MHz	-67.8 6	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23071-231 19	1RB#0-1RB#2 4	1000~20000M Hz	-49.0 8	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23071-231 19	1RB#0-1RB#2 4	20000~27000M Hz	-34.3	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23071-231 19	25RB#0-25RB #0	0.009~0.15MHz	-90.4 4	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23071-231 19	25RB#0-25RB #0	0.15~30MHz	-74.5 5	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23071-231 19	25RB#0-25RB #0	30~1000MHz	-68.1	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23071-231 19	25RB#0-25RB #0	1000~20000M Hz	-49.2 2	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23071-231 19	25RB#0-25RB #0	20000~27000M Hz	-34.1 8	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23071-231 19	25RB#0-25RB #0	0.009~0.15MHz	-90.6 9	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23071-231 19	25RB#0-25RB #0	0.15~30MHz	-75.5 4	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23071-231 19	25RB#0-25RB #0	30~1000MHz	-68.1 3	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23071-231 19	25RB#0-25RB #0	1000~20000M Hz	-49.0 1	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23071-231 19	25RB#0-25RB #0	20000~27000M Hz	-34.2 1	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23107-231 55	1RB#0-0RB#0	0.009~0.15MHz	-90.5 5	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23107-231 55	1RB#0-0RB#0	0.15~30MHz	-75.3 7	PASS

12-1 2	5MHz-5MH z	QPSK-QPSK	23107-231 55	1RB#0-0RB#0	30~1000MHz	-68.0 9	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23107-231 55	1RB#0-0RB#0	1000~20000M Hz	-49.0 4	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23107-231 55	1RB#0-0RB#0	20000~27000M Hz	-34.2 8	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23107-231 55	1RB#0-0RB#0	0.009~0.15MHz	-90.5 9	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23107-231 55	1RB#0-0RB#0	0.15~30MHz	-74.0 6	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23107-231 55	1RB#0-0RB#0	30~1000MHz	-68.2 8	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23107-231 55	1RB#0-0RB#0	1000~20000M Hz	-48.9 8	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23107-231 55	1RB#0-0RB#0	20000~27000M Hz	-34.2 2	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23107-231 55	1RB#24-0RB# 0	0.009~0.15MHz	-90.4 5	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23107-231 55	1RB#24-0RB# 0	0.15~30MHz	-75.0 8	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23107-231 55	1RB#24-0RB# 0	30~1000MHz	-68.1 4	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23107-231 55	1RB#24-0RB# 0	1000~20000M Hz	-49.1 2	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23107-231 55	1RB#24-0RB# 0	20000~27000M Hz	-34.3 7	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23107-231 55	1RB#24-0RB# 0	0.009~0.15MHz	-90.6 9	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23107-231 55	1RB#24-0RB# 0	0.15~30MHz	-74.6 9	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23107-231 55	1RB#24-0RB# 0	30~1000MHz	-68.0 2	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23107-231 55	1RB#24-0RB# 0	1000~20000M Hz	-48.9 4	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23107-231 55	1RB#24-0RB# 0	20000~27000M Hz	-34.2	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23107-231 55	1RB#0-1RB#2 4	0.009~0.15MHz	-90.5 6	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23107-231 55	1RB#0-1RB#2 4	0.15~30MHz	-74.6	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23107-231 55	1RB#0-1RB#2 4	30~1000MHz	-68.2 6	PASS
12-1	5MHz-5MH	QPSK-QPSK	23107-231	1RB#0-1RB#2	1000~20000M	-48.8	PASS

2	z		55	4	Hz	9	
12-1 2	5MHz-5MH z	QPSK-QPSK	23107-231 55	1RB#0-1RB#2 4	20000~27000M Hz	-34.4 9	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23107-231 55	1RB#0-1RB#2 4	0.009~0.15MHz	-90.5 1	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23107-231 55	1RB#0-1RB#2 4	0.15~30MHz	-75.2 9	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23107-231 55	1RB#0-1RB#2 4	30~1000MHz	-68.2	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23107-231 55	1RB#0-1RB#2 4	1000~20000M Hz	-49.1 3	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23107-231 55	1RB#0-1RB#2 4	20000~27000M Hz	-34.5 4	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23107-231 55	25RB#0-25RB #0	0.009~0.15MHz	-90.7	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23107-231 55	25RB#0-25RB #0	0.15~30MHz	-75.0 8	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23107-231 55	25RB#0-25RB #0	30~1000MHz	-68.0 5	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23107-231 55	25RB#0-25RB #0	1000~20000M Hz	-49.2 3	PASS
12-1 2	5MHz-5MH z	QPSK-QPSK	23107-231 55	25RB#0-25RB #0	20000~27000M Hz	-34.1 2	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23107-231 55	25RB#0-25RB #0	0.009~0.15MHz	-90.7	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23107-231 55	25RB#0-25RB #0	0.15~30MHz	-75.8	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23107-231 55	25RB#0-25RB #0	30~1000MHz	-68.2 7	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23107-231 55	25RB#0-25RB #0	1000~20000M Hz	-49.1 7	PASS
12-1 2	5MHz-5MH z	16QAM-16Q AM	23107-231 55	25RB#0-25RB #0	20000~27000M Hz	-34.2 3	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23038-231 10	1RB#0-0RB#0	0.009~0.15MHz	-57.0 2	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23038-231 10	1RB#0-0RB#0	0.15~30MHz	-75.6 2	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23038-231 10	1RB#0-0RB#0	30~1000MHz	-68.0 1	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23038-231 10	1RB#0-0RB#0	1000~20000M Hz	-49.1 7	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23038-231 10	1RB#0-0RB#0	20000~27000M Hz	-34.2 9	PASS

12-1 2	5MHz-10M Hz	16QAM-16Q AM	23038-231 10	1RB#0-0RB#0	0.009~0.15MHz	-59.7 3	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23038-231 10	1RB#0-0RB#0	0.15~30MHz	-75.9 7	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23038-231 10	1RB#0-0RB#0	30~1000MHz	-67.9 2	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23038-231 10	1RB#0-0RB#0	1000~20000M Hz	-49.0 8	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23038-231 10	1RB#0-0RB#0	20000~27000M Hz	-34.2 4	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23038-231 10	1RB#24-0RB# 0	0.009~0.15MHz	-59.9 4	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23038-231 10	1RB#24-0RB# 0	0.15~30MHz	-75.6 3	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23038-231 10	1RB#24-0RB# 0	30~1000MHz	-67.8 4	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23038-231 10	1RB#24-0RB# 0	1000~20000M Hz	-49.0 8	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23038-231 10	1RB#24-0RB# 0	20000~27000M Hz	-33.9 4	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23038-231 10	1RB#24-0RB# 0	0.009~0.15MHz	-61.3 4	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23038-231 10	1RB#24-0RB# 0	0.15~30MHz	-74.1 1	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23038-231 10	1RB#24-0RB# 0	30~1000MHz	-68.2	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23038-231 10	1RB#24-0RB# 0	1000~20000M Hz	-49.0 2	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23038-231 10	1RB#24-0RB# 0	20000~27000M Hz	-34.2 9	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23038-231 10	1RB#0-1RB#4 9	0.009~0.15MHz	-57.4	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23038-231 10	1RB#0-1RB#4 9	0.15~30MHz	-75.5 2	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23038-231 10	1RB#0-1RB#4 9	30~1000MHz	-68.0 1	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23038-231 10	1RB#0-1RB#4 9	1000~20000M Hz	-49.3 6	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23038-231 10	1RB#0-1RB#4 9	20000~27000M Hz	-34.0 7	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23038-231 10	1RB#0-1RB#4 9	0.009~0.15MHz	-59.5 2	PASS
12-1	5MHz-10M	16QAM-16Q	23038-231	1RB#0-1RB#4	0.15~30MHz	-75.2	PASS

2	Hz	AM	10	9			
12-1	5MHz-10M	16QAM-16Q	23038-231	1RB#0-1RB#4	30~1000MHz	-68.1	PASS
2	Hz	AM	10	9		2	
12-1	5MHz-10M	16QAM-16Q	23038-231	1RB#0-1RB#4	1000~20000M	-49.1	PASS
2	Hz	AM	10	9	Hz	3	
12-1	5MHz-10M	16QAM-16Q	23038-231	1RB#0-1RB#4	20000~27000M	-34.0	PASS
2	Hz	AM	10	9	Hz	7	
12-1	5MHz-10M	QPSK-QPSK	23038-231	25RB#0-50RB	0.009~0.15MHz	-77.9	PASS
2	Hz		10	#0		4	
12-1	5MHz-10M	QPSK-QPSK	23038-231	25RB#0-50RB	0.15~30MHz	-75.6	PASS
2	Hz		10	#0		4	
12-1	5MHz-10M	QPSK-QPSK	23038-231	25RB#0-50RB	30~1000MHz	-68.0	PASS
2	Hz		10	#0		5	
12-1	5MHz-10M	QPSK-QPSK	23038-231	25RB#0-50RB	1000~20000M	-49.1	PASS
2	Hz		10	#0	Hz	9	
12-1	5MHz-10M	QPSK-QPSK	23038-231	25RB#0-50RB	20000~27000M	-34.0	PASS
2	Hz		10	#0	Hz	5	
12-1	5MHz-10M	16QAM-16Q	23038-231	25RB#0-50RB	0.009~0.15MHz	-79.1	PASS
2	Hz	AM	10	#0		6	
12-1	5MHz-10M	16QAM-16Q	23038-231	25RB#0-50RB	0.15~30MHz	-75.4	PASS
2	Hz	AM	10	#0		5	
12-1	5MHz-10M	16QAM-16Q	23038-231	25RB#0-50RB	30~1000MHz	-68.1	PASS
2	Hz	AM	10	#0		1	
12-1	5MHz-10M	16QAM-16Q	23038-231	25RB#0-50RB	1000~20000M	-49.0	PASS
2	Hz	AM	10	#0	Hz	6	
12-1	5MHz-10M	16QAM-16Q	23038-231	25RB#0-50RB	20000~27000M	-34.3	PASS
2	Hz	AM	10	#0	Hz	6	
12-1	5MHz-10M	QPSK-QPSK	23048-231	1RB#0-0RB#0	0.009~0.15MHz	-57.6	PASS
2	Hz		20			8	
12-1	5MHz-10M	QPSK-QPSK	23048-231	1RB#0-0RB#0	0.15~30MHz	-75.5	PASS
2	Hz		20			7	
12-1	5MHz-10M	QPSK-QPSK	23048-231	1RB#0-0RB#0	30~1000MHz	-68.1	PASS
2	Hz		20			2	
12-1	5MHz-10M	QPSK-QPSK	23048-231	1RB#0-0RB#0	1000~20000M	-49.2	PASS
2	Hz		20		Hz	5	
12-1	5MHz-10M	QPSK-QPSK	23048-231	1RB#0-0RB#0	20000~27000M	-34.2	PASS
2	Hz		20		Hz	3	
12-1	5MHz-10M	16QAM-16Q	23048-231	1RB#0-0RB#0	0.009~0.15MHz	-60.3	PASS
2	Hz	AM	20			4	
12-1	5MHz-10M	16QAM-16Q	23048-231	1RB#0-0RB#0	0.15~30MHz	-75.6	PASS
2	Hz	AM	20			3	
12-1	5MHz-10M	16QAM-16Q	23048-231	1RB#0-0RB#0	30~1000MHz	-67.9	PASS
2	Hz	AM	20			9	

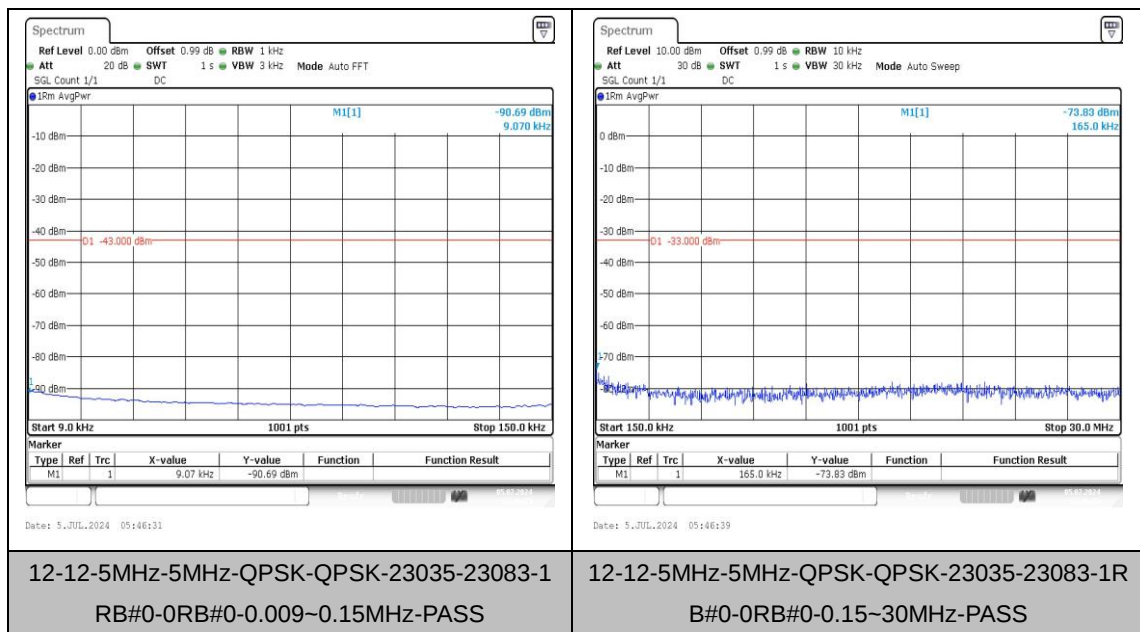
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23048-231 20	1RB#0-0RB#0	1000~20000M Hz	-48.9 8	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23048-231 20	1RB#0-0RB#0	20000~27000M Hz	-34.3 6	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23048-231 20	1RB#24-0RB# 0	0.009~0.15MHz	-61.0 3	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23048-231 20	1RB#24-0RB# 0	0.15~30MHz	-75.8 9	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23048-231 20	1RB#24-0RB# 0	30~1000MHz	-68.3 1	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23048-231 20	1RB#24-0RB# 0	1000~20000M Hz	-49.0 6	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23048-231 20	1RB#24-0RB# 0	20000~27000M Hz	-34.1 7	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23048-231 20	1RB#24-0RB# 0	0.009~0.15MHz	-63.6 6	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23048-231 20	1RB#24-0RB# 0	0.15~30MHz	-75.5 7	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23048-231 20	1RB#24-0RB# 0	30~1000MHz	-68.1 5	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23048-231 20	1RB#24-0RB# 0	1000~20000M Hz	-49.0 3	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23048-231 20	1RB#24-0RB# 0	20000~27000M Hz	-34.3 2	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23048-231 20	1RB#0-1RB#4 9	0.009~0.15MHz	-57.9 4	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23048-231 20	1RB#0-1RB#4 9	0.15~30MHz	-76.0 8	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23048-231 20	1RB#0-1RB#4 9	30~1000MHz	-68.1 8	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23048-231 20	1RB#0-1RB#4 9	1000~20000M Hz	-49.2 9	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23048-231 20	1RB#0-1RB#4 9	20000~27000M Hz	-34.3 9	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23048-231 20	1RB#0-1RB#4 9	0.009~0.15MHz	-60.2 2	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23048-231 20	1RB#0-1RB#4 9	0.15~30MHz	-75.9 1	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23048-231 20	1RB#0-1RB#4 9	30~1000MHz	-68.3 4	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23048-231 20	1RB#0-1RB#4 9	1000~20000M Hz	-49.2 9	PASS
12-1	5MHz-10M	16QAM-16Q	23048-231	1RB#0-1RB#4	20000~27000M	-34.2	PASS

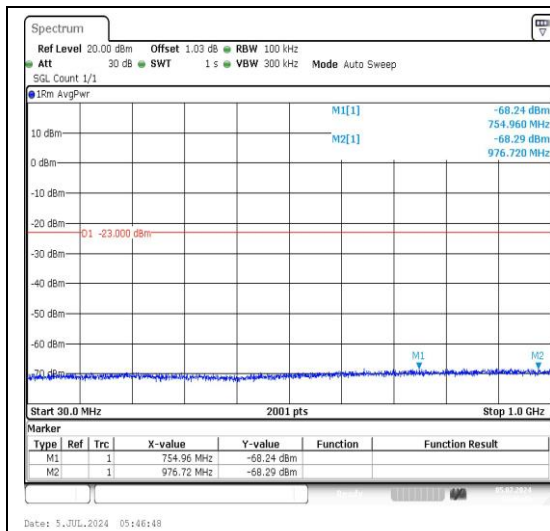
2	Hz	AM	20	9	Hz	9	
12-1 2	5MHz-10M Hz	QPSK-QPSK	23048-231 20	25RB#0-50RB #0	0.009~0.15MHz	-79.0 3	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23048-231 20	25RB#0-50RB #0	0.15~30MHz	-74.4 7	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23048-231 20	25RB#0-50RB #0	30~1000MHz	-68.3 5	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23048-231 20	25RB#0-50RB #0	1000~20000M Hz	-48.8 3	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23048-231 20	25RB#0-50RB #0	20000~27000M Hz	-34.5 3	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23048-231 20	25RB#0-50RB #0	0.009~0.15MHz	-78.7 4	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23048-231 20	25RB#0-50RB #0	0.15~30MHz	-73.7 8	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23048-231 20	25RB#0-50RB #0	30~1000MHz	-68.1 4	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23048-231 20	25RB#0-50RB #0	1000~20000M Hz	-49.1 2	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23048-231 20	25RB#0-50RB #0	20000~27000M Hz	-34.3 7	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23058-231 30	1RB#0-0RB#0	0.009~0.15MHz	-58.4	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23058-231 30	1RB#0-0RB#0	0.15~30MHz	-74.3 5	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23058-231 30	1RB#0-0RB#0	30~1000MHz	-68.0 7	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23058-231 30	1RB#0-0RB#0	1000~20000M Hz	-49.0 3	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23058-231 30	1RB#0-0RB#0	20000~27000M Hz	-34.2	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23058-231 30	1RB#0-0RB#0	0.009~0.15MHz	-60.5 3	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23058-231 30	1RB#0-0RB#0	0.15~30MHz	-73.6 5	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23058-231 30	1RB#0-0RB#0	30~1000MHz	-68.1 4	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23058-231 30	1RB#0-0RB#0	1000~20000M Hz	-48.9 3	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23058-231 30	1RB#0-0RB#0	20000~27000M Hz	-34.4 2	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23058-231 30	1RB#24-0RB# 0	0.009~0.15MHz	-60.8	PASS

12-1 2	5MHz-10M Hz	QPSK-QPSK	23058-231 30	1RB#24-0RB# 0	0.15~30MHz	-75.3 3	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23058-231 30	1RB#24-0RB# 0	30~1000MHz	-67.9 5	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23058-231 30	1RB#24-0RB# 0	1000~20000M Hz	-48.7 7	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23058-231 30	1RB#24-0RB# 0	20000~27000M Hz	-34.2 8	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23058-231 30	1RB#24-0RB# 0	0.009~0.15MHz	-63.3 5	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23058-231 30	1RB#24-0RB# 0	0.15~30MHz	-75.5 4	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23058-231 30	1RB#24-0RB# 0	30~1000MHz	-68.0 9	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23058-231 30	1RB#24-0RB# 0	1000~20000M Hz	-49.0 6	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23058-231 30	1RB#24-0RB# 0	20000~27000M Hz	-34.1 9	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23058-231 30	1RB#0-1RB#4 9	0.009~0.15MHz	-58.3 5	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23058-231 30	1RB#0-1RB#4 9	0.15~30MHz	-74.3 8	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23058-231 30	1RB#0-1RB#4 9	30~1000MHz	-67.9 9	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23058-231 30	1RB#0-1RB#4 9	1000~20000M Hz	-49.2	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23058-231 30	1RB#0-1RB#4 9	20000~27000M Hz	-34.4 7	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23058-231 30	1RB#0-1RB#4 9	0.009~0.15MHz	-60.5 6	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23058-231 30	1RB#0-1RB#4 9	0.15~30MHz	-74.7 9	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23058-231 30	1RB#0-1RB#4 9	30~1000MHz	-68.2	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23058-231 30	1RB#0-1RB#4 9	1000~20000M Hz	-49.0 4	PASS
12-1 2	5MHz-10M Hz	16QAM-16Q AM	23058-231 30	1RB#0-1RB#4 9	20000~27000M Hz	-34.3 4	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23058-231 30	25RB#0-50RB #0	0.009~0.15MHz	-79.9 7	PASS
12-1 2	5MHz-10M Hz	QPSK-QPSK	23058-231 30	25RB#0-50RB #0	0.15~30MHz	-74.3 5	PASS
12-1	5MHz-10M	QPSK-QPSK	23058-231	25RB#0-50RB	30~1000MHz	-68.0	PASS

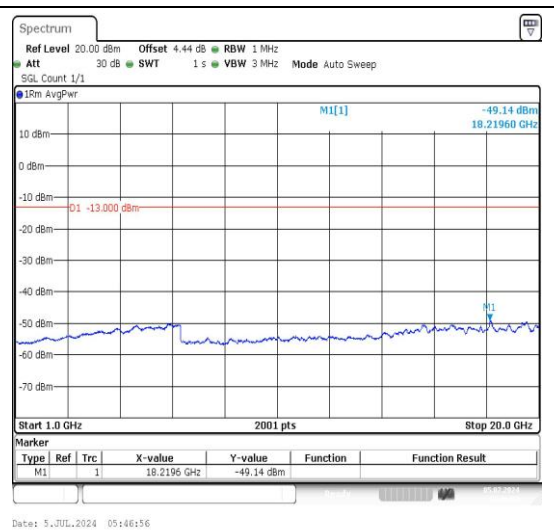
2	Hz		30	#0		7	
12-1	5MHz-10M	QPSK-QPSK	23058-231	25RB#0-50RB	1000~20000M	-48.9	PASS
2	Hz		30	#0	Hz	8	
12-1	5MHz-10M	QPSK-QPSK	23058-231	25RB#0-50RB	20000~27000M	-34.3	PASS
2	Hz		30	#0	Hz	2	
12-1	5MHz-10M	16QAM-16Q	23058-231	25RB#0-50RB	0.009~0.15MHz	-79.8	PASS
2	Hz	AM	30	#0		7	
12-1	5MHz-10M	16QAM-16Q	23058-231	25RB#0-50RB	0.15~30MHz	-75.1	PASS
2	Hz	AM	30	#0		7	
12-1	5MHz-10M	16QAM-16Q	23058-231	25RB#0-50RB	30~1000MHz	-68.2	PASS
2	Hz	AM	30	#0			
12-1	5MHz-10M	16QAM-16Q	23058-231	25RB#0-50RB	1000~20000M	-49.1	PASS
2	Hz	AM	30	#0	Hz	4	
12-1	5MHz-10M	16QAM-16Q	23058-231	25RB#0-50RB	20000~27000M	-34.4	PASS
2	Hz	AM	30	#0	Hz		

Test Graphs

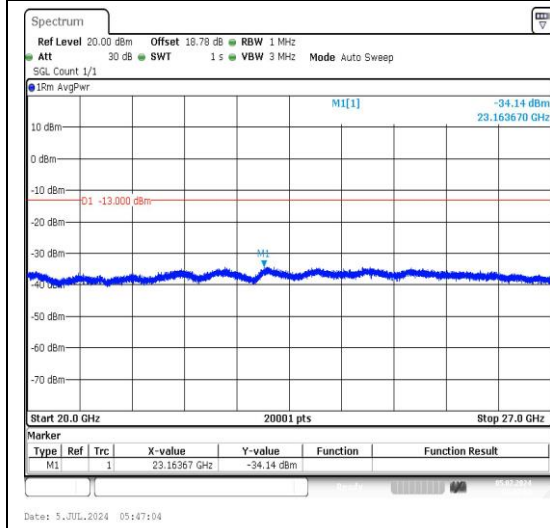




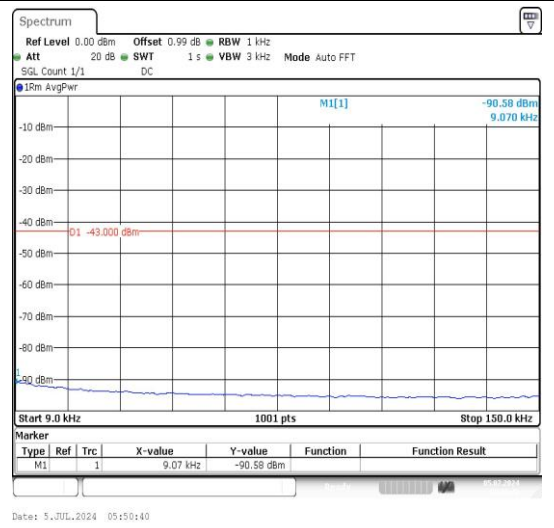
12-12-5MHz-5MHz-QPSK-QPSK-23035-23083-1
RB#0-ORB#0-30~1000MHz-PASS



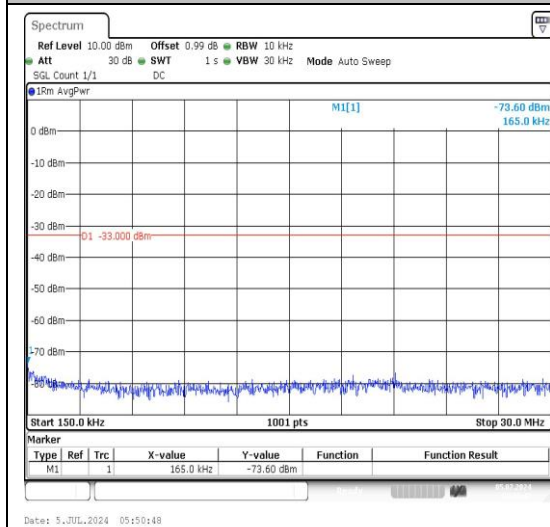
12-12-5MHz-5MHz-QPSK-QPSK-23035-23083-1R
B#0-ORB#0-1000~20000MHz-PASS



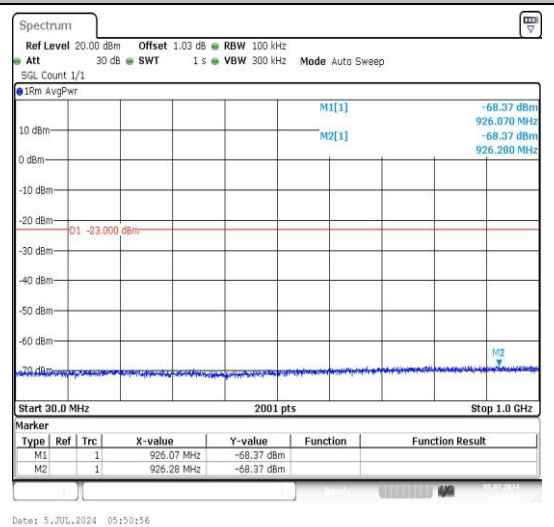
12-12-5MHz-5MHz-QPSK-QPSK-23035-23083-1
RB#0-ORB#0-20000~27000MHz-PASS



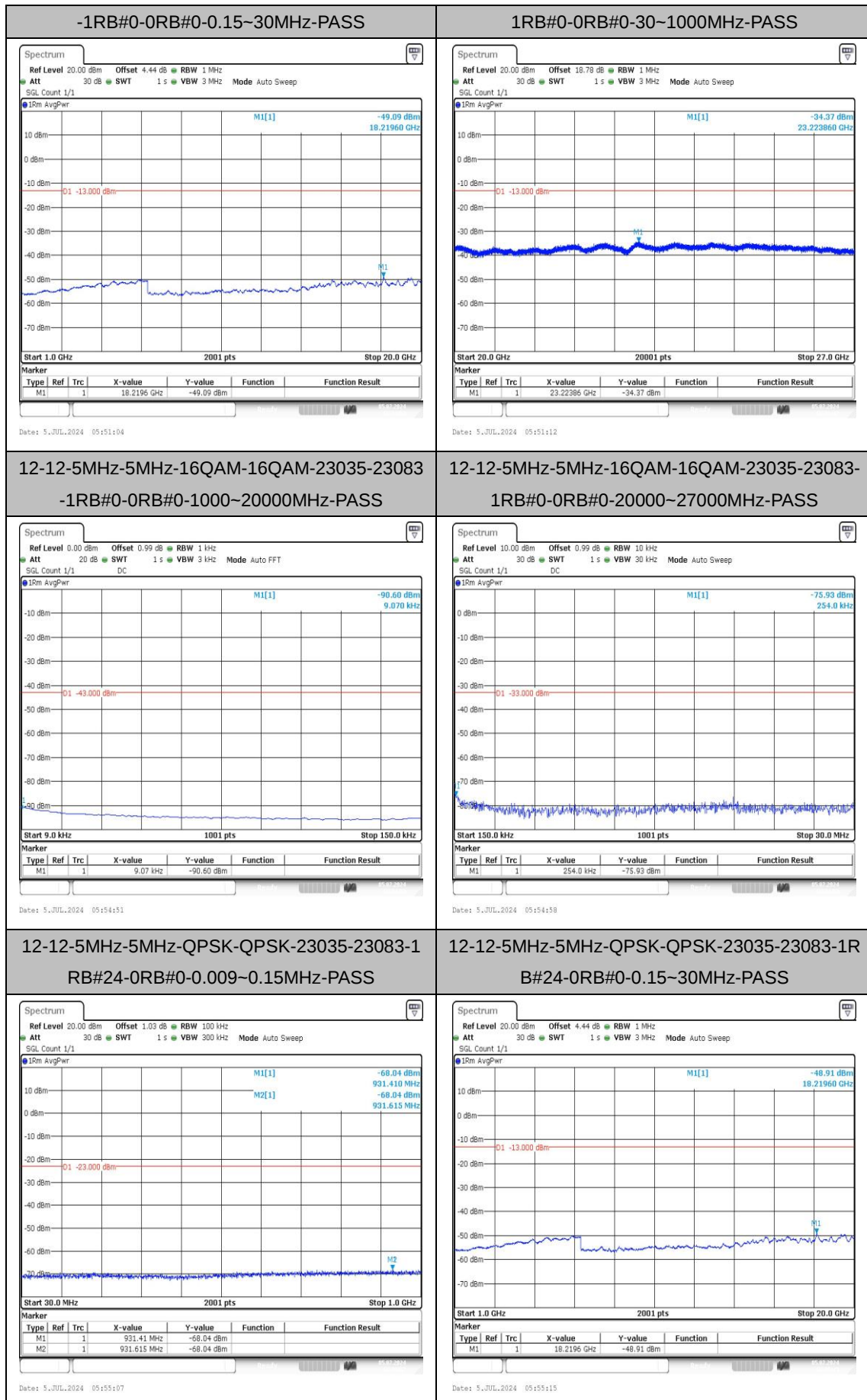
12-12-5MHz-5MHz-16QAM-16QAM-23035-23083-
1RB#0-ORB#0-0.009~0.15MHz-PASS

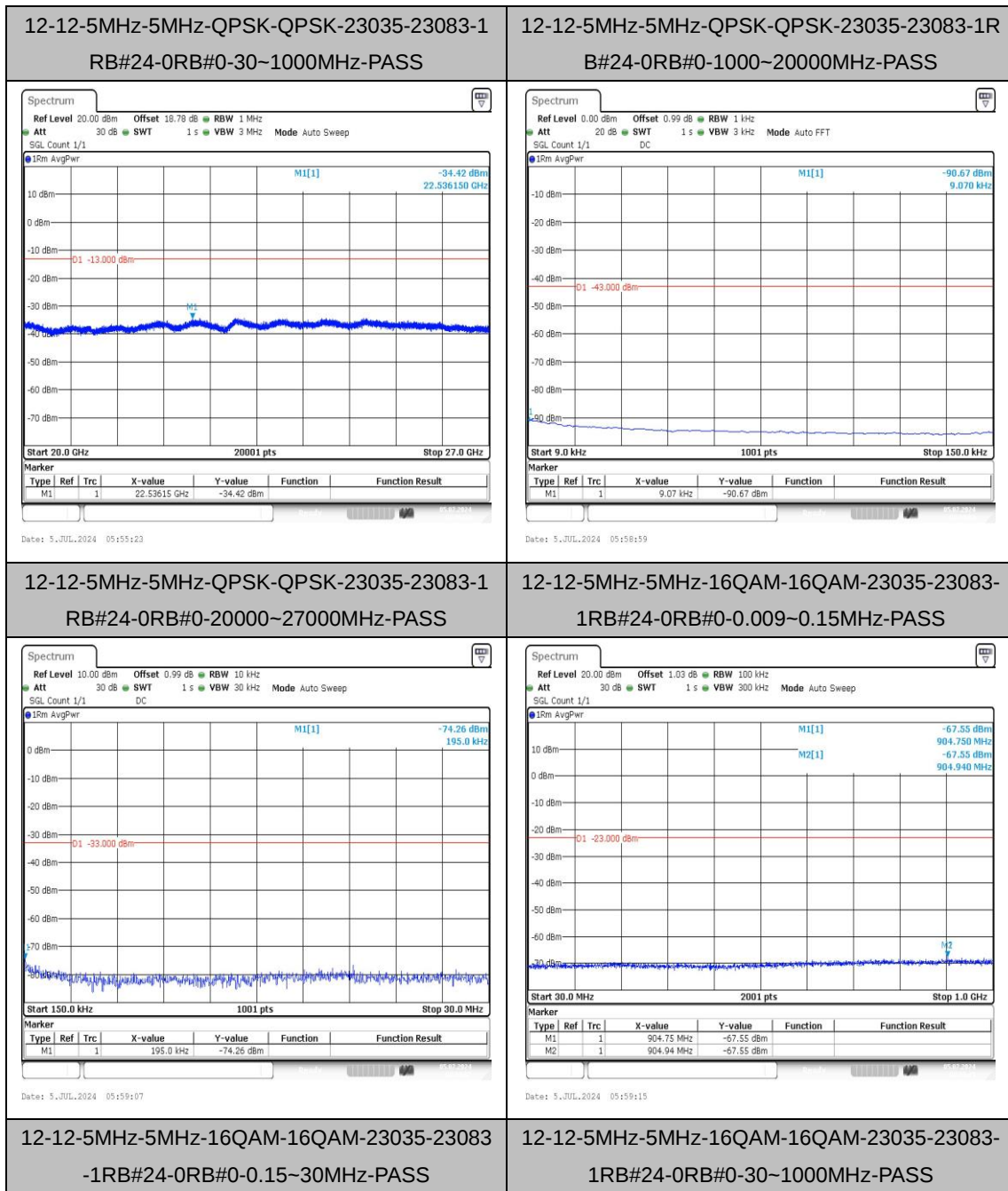


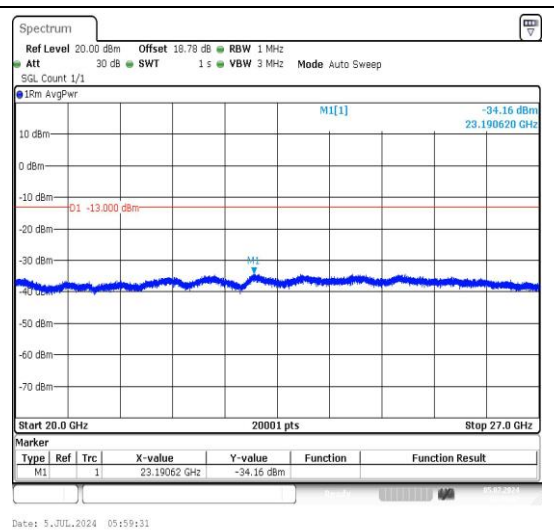
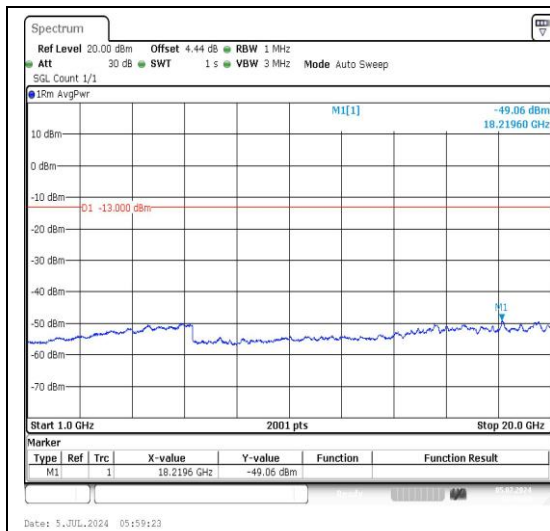
12-12-5MHz-5MHz-16QAM-16QAM-23035-23083



12-12-5MHz-5MHz-16QAM-16QAM-23035-23083-

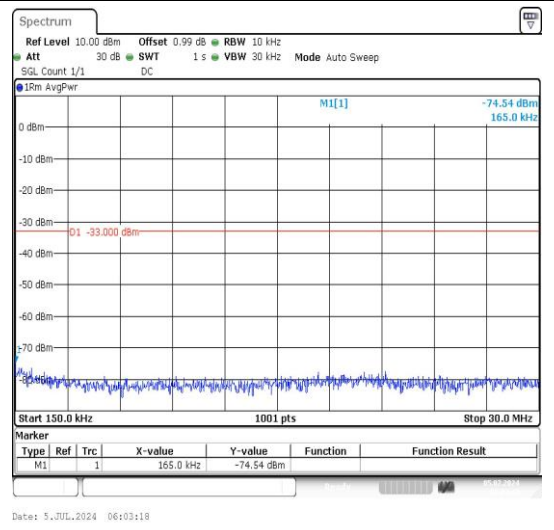
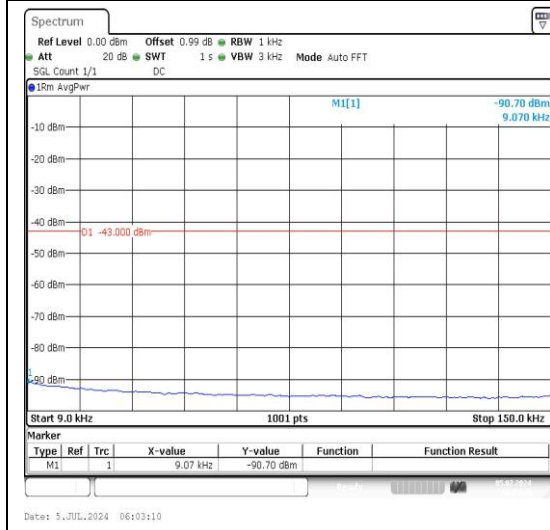






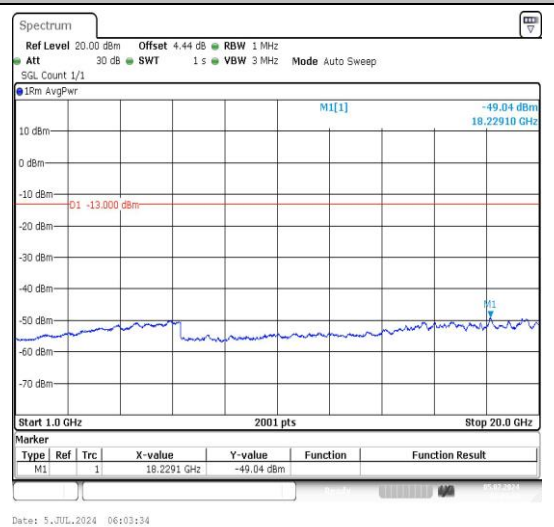
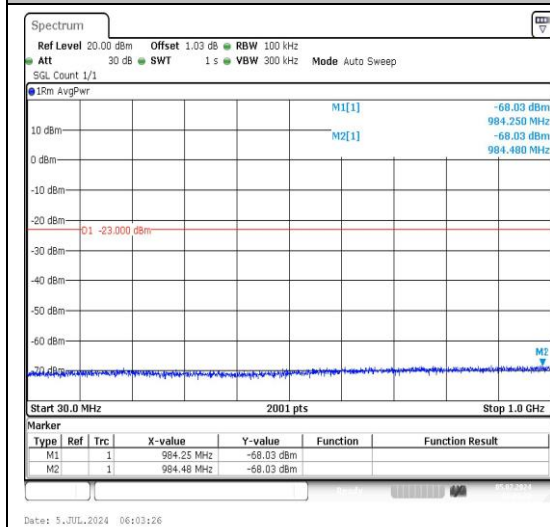
12-12-5MHz-5MHz-16QAM-16QAM-23035-23083
-1RB#24-ORB#0-1000~20000MHz-PASS

12-12-5MHz-5MHz-16QAM-16QAM-23035-23083-
1RB#24-ORB#0-20000~27000MHz-PASS



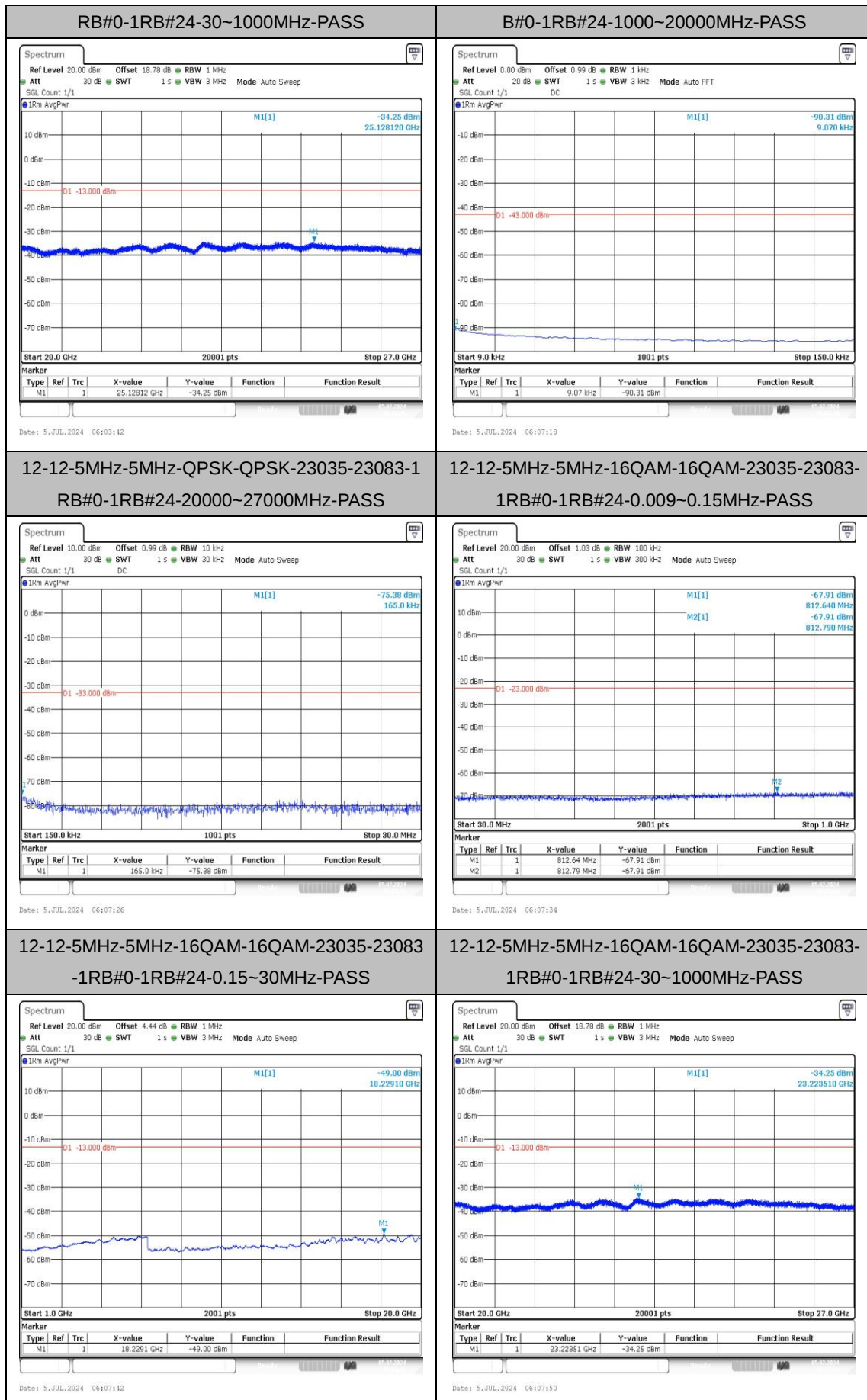
12-12-5MHz-5MHz-QPSK-QPSK-23035-23083-1
RB#0-1RB#24-0.009~0.15MHz-PASS

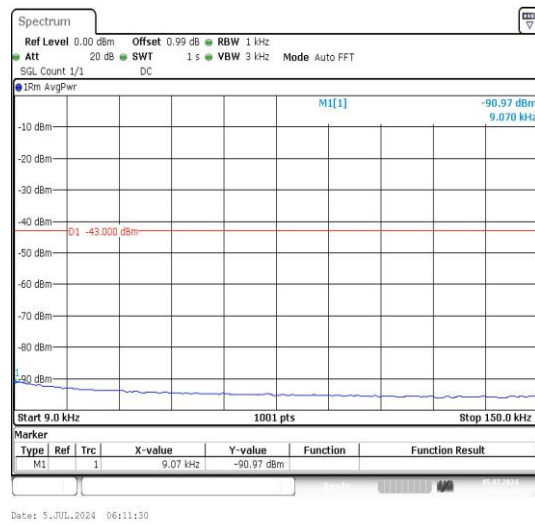
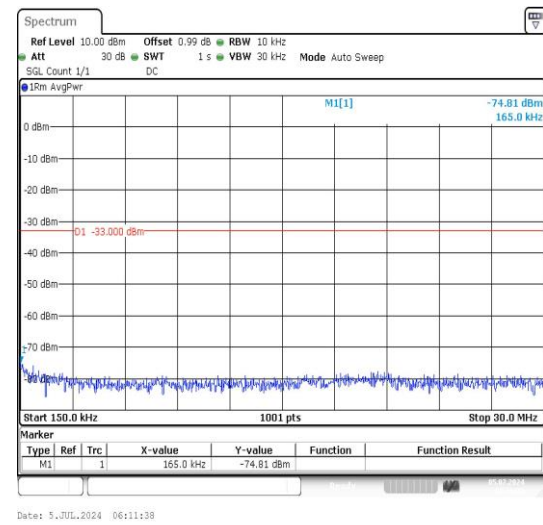
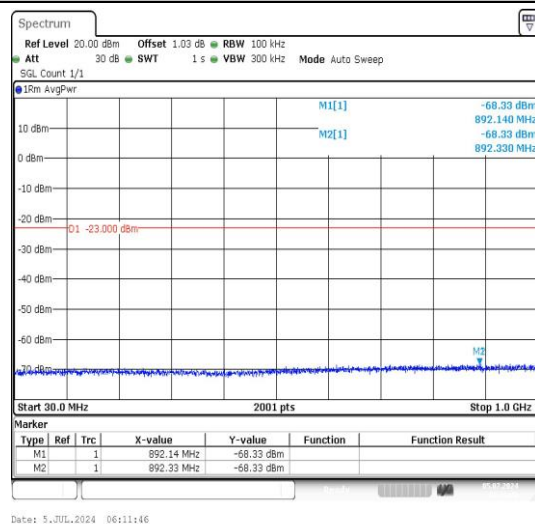
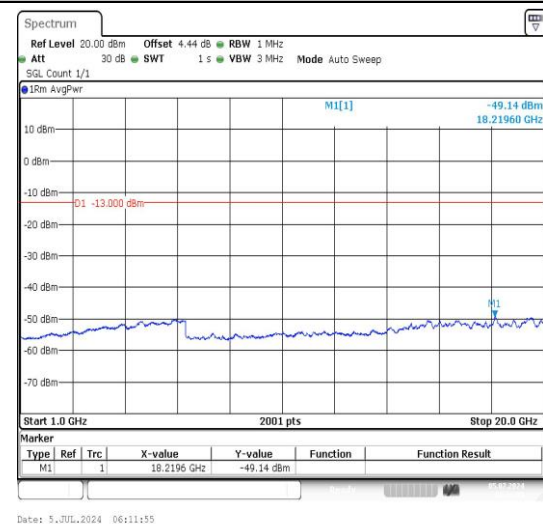
12-12-5MHz-5MHz-QPSK-QPSK-23035-23083-1R
B#0-1RB#24-0.15~30MHz-PASS



12-12-5MHz-5MHz-QPSK-QPSK-23035-23083-1

12-12-5MHz-5MHz-QPSK-QPSK-23035-23083-1R



**12-12-5MHz-5MHz-16QAM-16QAM-23035-23083
-1RB#0-1RB#24-1000~20000MHz-PASS****12-12-5MHz-5MHz-16QAM-16QAM-23035-23083-
1RB#0-1RB#24-20000~27000MHz-PASS****12-12-5MHz-5MHz-QPSK-QPSK-23035-23083-2
5RB#0-25RB#0-0.009~0.15MHz-PASS****12-12-5MHz-5MHz-QPSK-QPSK-23035-23083-25
RB#0-25RB#0-0.15~30MHz-PASS****12-12-5MHz-5MHz-QPSK-QPSK-23035-23083-2
5RB#0-25RB#0-30~1000MHz-PASS****12-12-5MHz-5MHz-QPSK-QPSK-23035-23083-25
RB#0-25RB#0-1000~20000MHz-PASS**