

Appendix A: Conducted Output Power

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band19	5MHz	QPSK	24025	1RB#0	23.36	PASS
Band19	5MHz	QPSK	24025	1RB#12	23.47	PASS
Band19	5MHz	QPSK	24025	1RB#24	23.60	PASS
Band19	5MHz	QPSK	24025	12RB#0	22.34	PASS
Band19	5MHz	QPSK	24025	12RB#6	22.32	PASS
Band19	5MHz	QPSK	24025	12RB#13	22.45	PASS
Band19	5MHz	QPSK	24025	25RB#0	22.40	PASS
Band19	5MHz	QPSK	24075	1RB#0	23.59	PASS
Band19	5MHz	QPSK	24075	1RB#12	23.93	PASS
Band19	5MHz	QPSK	24075	1RB#24	24.02	PASS
Band19	5MHz	QPSK	24075	12RB#0	22.74	PASS
Band19	5MHz	QPSK	24075	12RB#6	22.69	PASS
Band19	5MHz	QPSK	24075	12RB#13	22.91	PASS
Band19	5MHz	QPSK	24075	25RB#0	22.80	PASS
Band19	5MHz	QPSK	24125	1RB#0	24.14	PASS
Band19	5MHz	QPSK	24125	1RB#12	24.31	PASS
Band19	5MHz	QPSK	24125	1RB#24	24.26	PASS
Band19	5MHz	QPSK	24125	12RB#0	23.18	PASS
Band19	5MHz	QPSK	24125	12RB#6	23.14	PASS
Band19	5MHz	QPSK	24125	12RB#13	23.19	PASS
Band19	5MHz	QPSK	24125	25RB#0	23.16	PASS
Band19	5MHz	16QAM	24025	1RB#0	22.16	PASS
Band19	5MHz	16QAM	24025	1RB#12	22.34	PASS
Band19	5MHz	16QAM	24025	1RB#24	22.41	PASS
Band19	5MHz	16QAM	24025	12RB#0	21.28	PASS
Band19	5MHz	16QAM	24025	12RB#6	21.29	PASS
Band19	5MHz	16QAM	24025	12RB#13	21.43	PASS
Band19	5MHz	16QAM	24025	25RB#0	21.41	PASS
Band19	5MHz	16QAM	24075	1RB#0	22.55	PASS
Band19	5MHz	16QAM	24075	1RB#12	22.89	PASS
Band19	5MHz	16QAM	24075	1RB#24	23.02	PASS

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Band19	5MHz	16QAM	24075	12RB#0	21.77	PASS
Band19	5MHz	16QAM	24075	12RB#6	21.76	PASS
Band19	5MHz	16QAM	24075	12RB#13	21.97	PASS
Band19	5MHz	16QAM	24075	25RB#0	21.81	PASS
Band19	5MHz	16QAM	24125	1RB#0	22.90	PASS
Band19	5MHz	16QAM	24125	1RB#12	23.08	PASS
Band19	5MHz	16QAM	24125	1RB#24	23.05	PASS
Band19	5MHz	16QAM	24125	12RB#0	22.16	PASS
Band19	5MHz	16QAM	24125	12RB#6	22.17	PASS
Band19	5MHz	16QAM	24125	12RB#13	22.19	PASS
Band19	5MHz	16QAM	24125	25RB#0	22.18	PASS
Band19	10MHz	QPSK	24050	1RB#0	23.40	PASS
Band19	10MHz	QPSK	24050	1RB#24	23.60	PASS
Band19	10MHz	QPSK	24050	1RB#49	24.07	PASS
Band19	10MHz	QPSK	24050	25RB#0	22.45	PASS
Band19	10MHz	QPSK	24050	25RB#12	22.44	PASS
Band19	10MHz	QPSK	24050	25RB#25	22.84	PASS
Band19	10MHz	QPSK	24050	50RB#0	22.63	PASS
Band19	10MHz	QPSK	24075	1RB#0	23.50	PASS
Band19	10MHz	QPSK	24075	1RB#24	24.08	PASS
Band19	10MHz	QPSK	24075	1RB#49	24.29	PASS
Band19	10MHz	QPSK	24075	25RB#0	22.65	PASS
Band19	10MHz	QPSK	24075	25RB#12	22.67	PASS
Band19	10MHz	QPSK	24075	25RB#25	23.10	PASS
Band19	10MHz	QPSK	24075	50RB#0	22.83	PASS
Band19	10MHz	QPSK	24100	1RB#0	23.66	PASS
Band19	10MHz	QPSK	24100	1RB#24	24.19	PASS
Band19	10MHz	QPSK	24100	1RB#49	24.25	PASS
Band19	10MHz	QPSK	24100	25RB#0	22.88	PASS
Band19	10MHz	QPSK	24100	25RB#12	22.91	PASS
Band19	10MHz	QPSK	24100	25RB#25	23.19	PASS
Band19	10MHz	QPSK	24100	50RB#0	23.03	PASS
Band19	10MHz	16QAM	24050	1RB#0	22.27	PASS
Band19	10MHz	16QAM	24050	1RB#24	22.71	PASS



Band19	10MHz	16QAM	24050	1RB#49	22.99	PASS
Band19	10MHz	16QAM	24050	25RB#0	21.40	PASS
Band19	10MHz	16QAM	24050	25RB#0 25RB#12	21.43	PASS
+	10MHz					PASS
Band19		16QAM	24050	25RB#25	21.84	
Band19	10MHz	16QAM	24050	50RB#0	21.65	PASS
Band19	10MHz	16QAM	24075	1RB#0	22.20	PASS
Band19	10MHz	16QAM	24075	1RB#24	22.79	PASS
Band19	10MHz	16QAM	24075	1RB#49	22.99	PASS
Band19	10MHz	16QAM	24075	25RB#0	21.69	PASS
Band19	10MHz	16QAM	24075	25RB#12	21.69	PASS
Band19	10MHz	16QAM	24075	25RB#25	22.17	PASS
Band19	10MHz	16QAM	24075	50RB#0	21.89	PASS
Band19	10MHz	16QAM	24100	1RB#0	22.39	PASS
Band19	10MHz	16QAM	24100	1RB#24	23.03	PASS
Band19	10MHz	16QAM	24100	1RB#49	22.97	PASS
Band19	10MHz	16QAM	24100	25RB#0	21.93	PASS
Band19	10MHz	16QAM	24100	25RB#12	21.94	PASS
Band19	10MHz	16QAM	24100	25RB#25	22.25	PASS
Band19	10MHz	16QAM	24100	50RB#0	22.08	PASS
Band19	15MHz	QPSK	24075	1RB#0	23.33	PASS
Band19	15MHz	QPSK	24075	1RB#38	23.90	PASS
Band19	15MHz	QPSK	24075	1RB#74	24.19	PASS
Band19	15MHz	QPSK	24075	38RB#0	22.20	PASS
Band19	15MHz	QPSK	24075	38RB#18	22.82	PASS
Band19	15MHz	QPSK	24075	38RB#37	23.10	PASS
Band19	15MHz	QPSK	24075	75RB#0	22.96	PASS
Band19	15MHz	16QAM	24075	1RB#0	22.20	PASS
Band19	15MHz	16QAM	24075	1RB#38	22.84	PASS
Band19	15MHz	16QAM	24075	1RB#74	23.10	PASS
Band19	15MHz	16QAM	24075	38RB#0	22.21	PASS
Band19	15MHz	16QAM	24075	38RB#18	22.82	PASS
Band19	15MHz	16QAM	24075	38RB#37	23.11	PASS
Band19	15MHz	16QAM	24075	75RB#0	21.85	PASS



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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band19	5MHz	QPSK	24025	1RB#0	3.75	13	PASS
Band19	5MHz	QPSK	24025	25RB#0	4.40	13	PASS
Band19	5MHz	QPSK	24075	1RB#0	3.87	13	PASS
Band19	5MHz	QPSK	24075	25RB#0	4.48	13	PASS
Band19	5MHz	QPSK	24125	1RB#0	3.69	13	PASS
Band19	5MHz	QPSK	24125	25RB#0	4.43	13	PASS
Band19	5MHz	16QAM	24025	1RB#0	4.54	13	PASS
Band19	5MHz	16QAM	24025	25RB#0	5.20	13	PASS
Band19	5MHz	16QAM	24075	1RB#0	4.67	13	PASS
Band19	5MHz	16QAM	24075	25RB#0	5.30	13	PASS
Band19	5MHz	16QAM	24125	1RB#0	4.49	13	PASS
Band19	5MHz	16QAM	24125	25RB#0	5.24	13	PASS
Band19	10MHz	QPSK	24050	1RB#0	3.67	13	PASS
Band19	10MHz	QPSK	24050	50RB#0	4.45	13	PASS
Band19	10MHz	QPSK	24075	1RB#0	3.62	13	PASS
Band19	10MHz	QPSK	24075	50RB#0	4.63	13	PASS
Band19	10MHz	QPSK	24100	1RB#0	3.77	13	PASS
Band19	10MHz	QPSK	24100	50RB#0	4.70	13	PASS
Band19	10MHz	16QAM	24050	1RB#0	4.64	13	PASS
Band19	10MHz	16QAM	24050	50RB#0	5.33	13	PASS
Band19	10MHz	16QAM	24075	1RB#0	4.57	13	PASS
Band19	10MHz	16QAM	24075	50RB#0	5.40	13	PASS
Band19	10MHz	16QAM	24100	1RB#0	4.97	13	PASS
Band19	10MHz	16QAM	24100	50RB#0	5.43	13	PASS
Band19	15MHz	QPSK	24075	1RB#0	3.74	13	PASS
Band19	15MHz	QPSK	24075	75RB#0	5.12	13	PASS
Band19	15MHz	16QAM	24075	1RB#0	4.68	13	PASS
Band19	15MHz	16QAM	24075	75RB#0	5.76	13	PASS

Test Graphs

Band19-5MHz-QPSK-24025-1RB#0

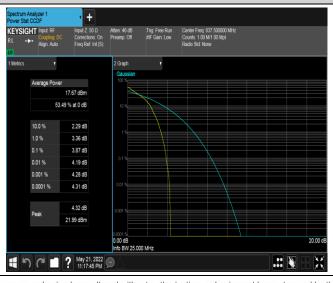




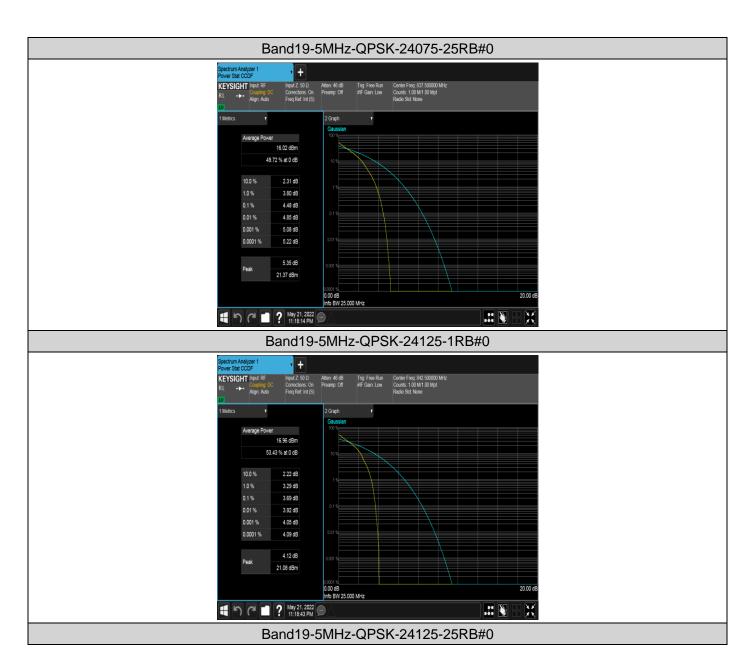
Band19-5MHz-QPSK-24025-25RB#0



Band19-5MHz-QPSK-24075-1RB#0



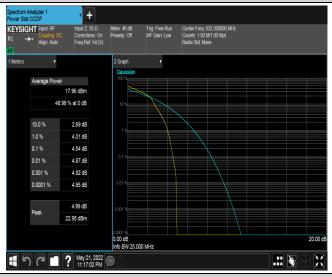








Band19-5MHz-16QAM-24025-1RB#0



Band19-5MHz-16QAM-24025-25RB#0



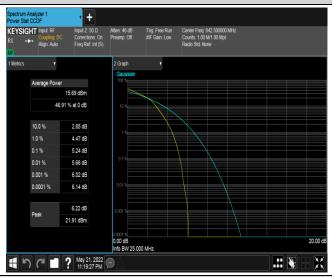








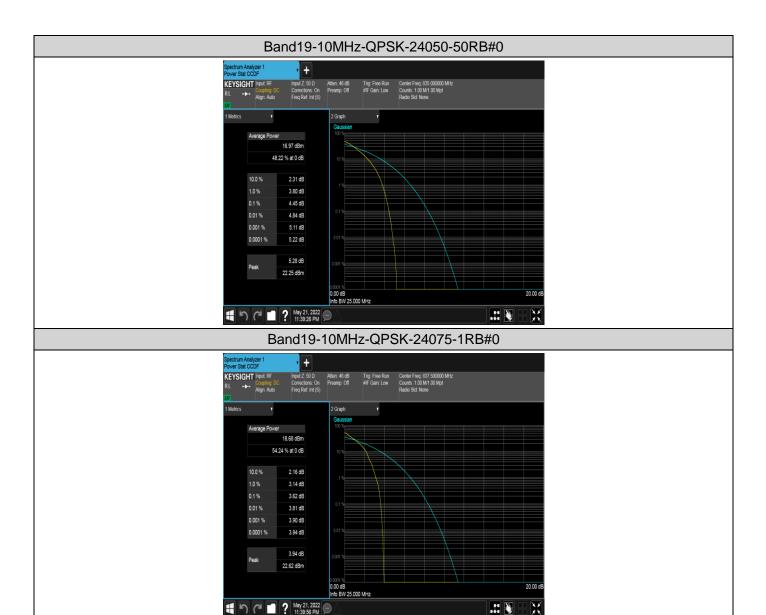
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Band19-10MHz-QPSK-24050-1RB#0







Band19-10MHz-QPSK-24075-50RB#0





Band19-10MHz-QPSK-24100-1RB#0



Band19-10MHz-QPSK-24100-50RB#0





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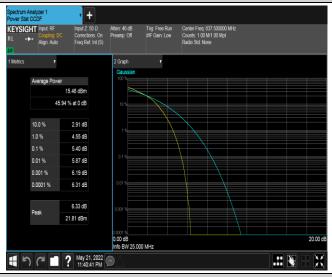
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Band19-10MHz-16QAM-24075-50RB#0



Band19-10MHz-16QAM-24100-1RB#0





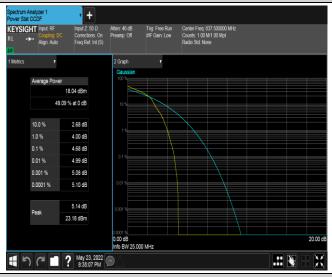


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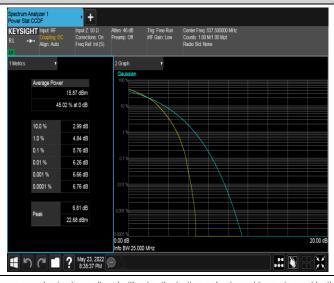




Band19-15MHz-16QAM-24075-1RB#0



Band19-15MHz-16QAM-24075-75RB#0





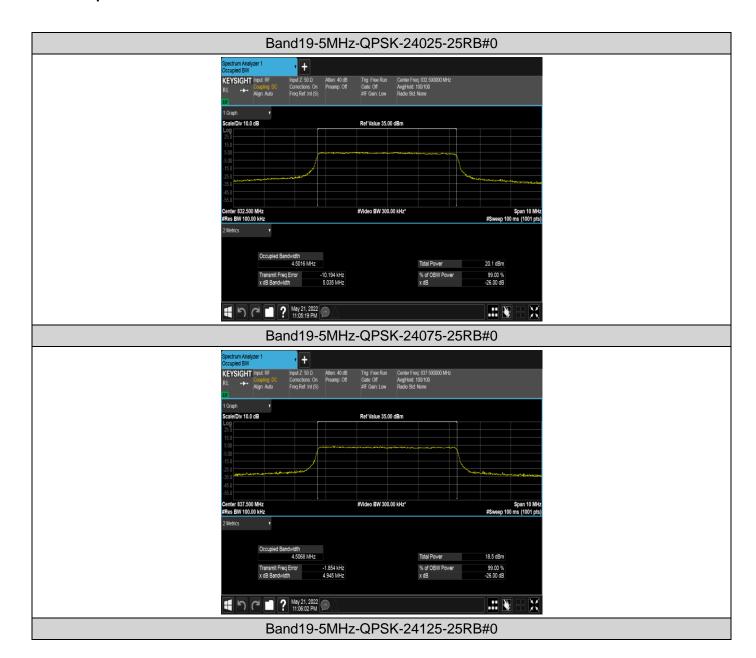
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band19	5MHz	QPSK	24025	25RB#0	4.5016	5.035	PASS
Band19	5MHz	QPSK	24075	25RB#0	4.5068	4.945	PASS
Band19	5MHz	QPSK	24125	25RB#0	4.5103	4.958	PASS
Band19	5MHz	16QAM	24025	25RB#0	4.5072	4.953	PASS
Band19	5MHz	16QAM	24075	25RB#0	4.5113	5.018	PASS
Band19	5MHz	16QAM	24125	25RB#0	4.5132	4.967	PASS
Band19	10MHz	QPSK	24050	50RB#0	8.9913	9.619	PASS
Band19	10MHz	QPSK	24075	50RB#0	9.0175	9.596	PASS
Band19	10MHz	QPSK	24100	50RB#0	9.0116	9.581	PASS
Band19	10MHz	16QAM	24050	50RB#0	8.9756	9.561	PASS
Band19	10MHz	16QAM	24075	50RB#0	9.0148	9.544	PASS
Band19	10MHz	16QAM	24100	50RB#0	9.0143	9.582	PASS
Band19	15MHz	QPSK	24075	75RB#0	13.534	14.39	PASS
Band19	15MHz	16QAM	24075	75RB#0	13.518	14.33	PASS



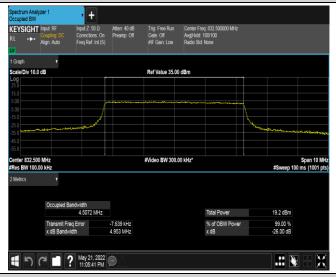
Test Graphs



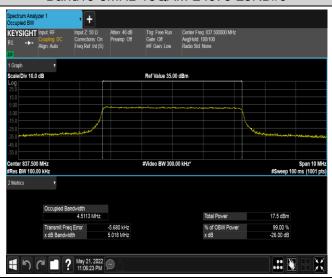




Band19-5MHz-16QAM-24025-25RB#0



Band19-5MHz-16QAM-24075-25RB#0







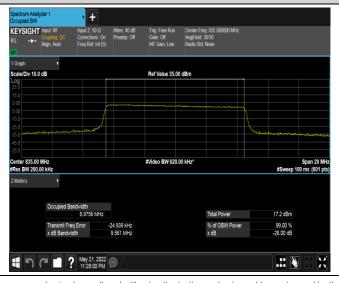




Band19-10MHz-QPSK-24100-50RB#0



Band19-10MHz-16QAM-24050-50RB#0













Appendix D: Band Edge

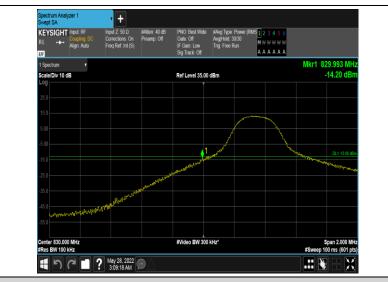
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band19	5MHz	QPSK	24025	1RB#0	-14.20	PASS
Band19	5MHz	QPSK	24025	1RB#24	-49.60	PASS
Band19	5MHz	QPSK	24025	25RB#0	-27.19	PASS
Band19	5MHz	QPSK	24125	1RB#0	-48.92	PASS
Band19	5MHz	QPSK	24125	1RB#24	-14.97	PASS
Band19	5MHz	QPSK	24125	25RB#0	-27.52	PASS
Band19	5MHz	16QAM	24025	1RB#0	-16.13	PASS
Band19	5MHz	16QAM	24025	1RB#24	-49.98	PASS
Band19	5MHz	16QAM	24025	25RB#0	-26.50	PASS
Band19	5MHz	16QAM	24125	1RB#0	-45.73	PASS
Band19	5MHz	16QAM	24125	1RB#24	-15.27	PASS
Band19	5MHz	16QAM	24125	25RB#0	-28.28	PASS
Band19	10MHz	QPSK	24050	1RB#0	-13.15	PASS
Band19	10MHz	QPSK	24050	1RB#49	-45.40	PASS
Band19	10MHz	QPSK	24050	50RB#0	-25.34	PASS
Band19	10MHz	QPSK	24100	1RB#0	-42.11	PASS
Band19	10MHz	QPSK	24100	1RB#49	-13.63	PASS
Band19	10MHz	QPSK	24100	50RB#0	-26.07	PASS
Band19	10MHz	16QAM	24050	1RB#0	-13.71	PASS
Band19	10MHz	16QAM	24050	1RB#49	-39.76	PASS
Band19	10MHz	16QAM	24050	50RB#0	-25.70	PASS
Band19	10MHz	16QAM	24100	1RB#0	-45.66	PASS
Band19	10MHz	16QAM	24100	1RB#49	-14.06	PASS
Band19	10MHz	16QAM	24100	50RB#0	-28.44	PASS

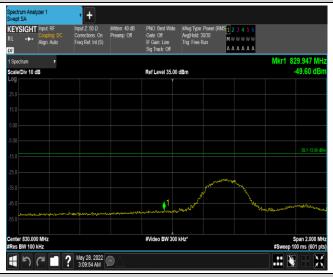
Test Graphs

Band19-5MHz-QPSK-24025-1RB#0





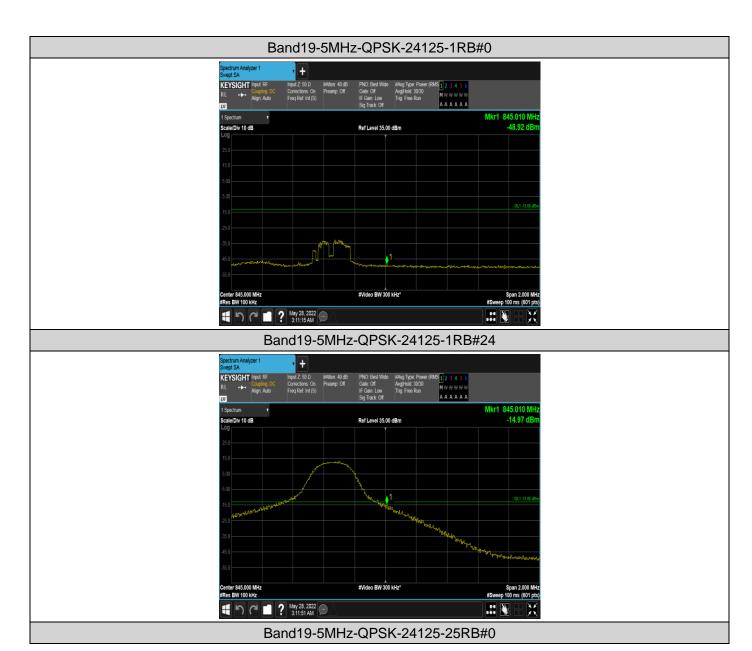
Band19-5MHz-QPSK-24025-1RB#24



Band19-5MHz-QPSK-24025-25RB#0



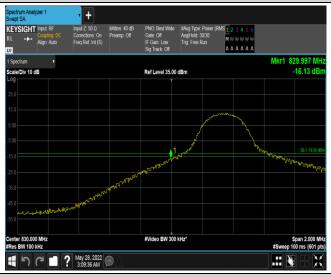








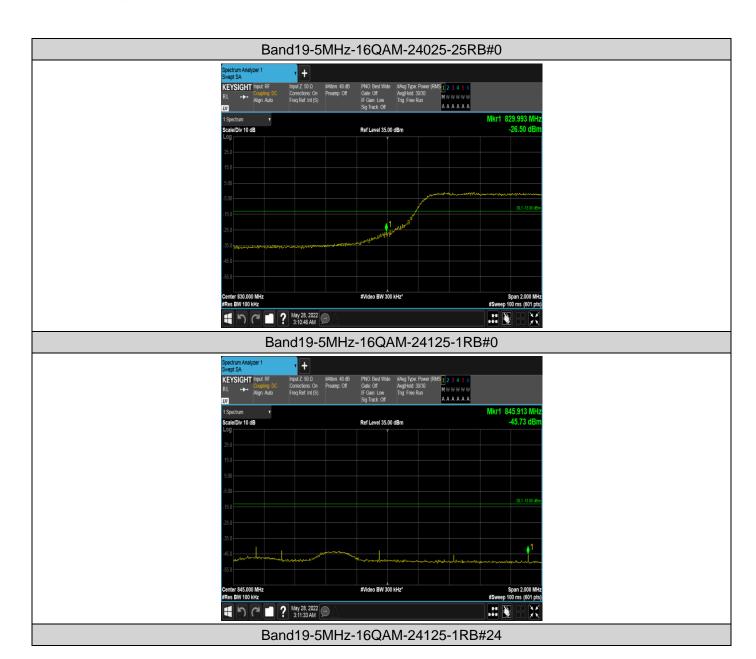
Band19-5MHz-16QAM-24025-1RB#0



Band19-5MHz-16QAM-24025-1RB#24











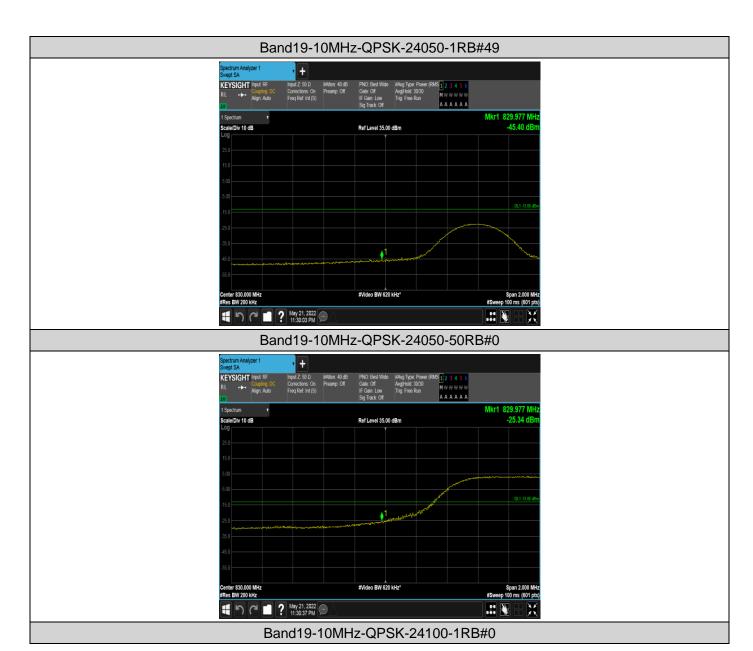
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Band19-10MHz-QPSK-24050-1RB#0



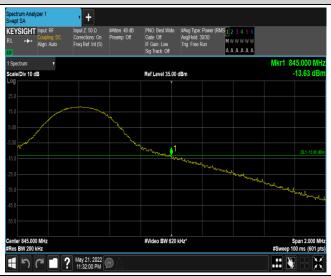








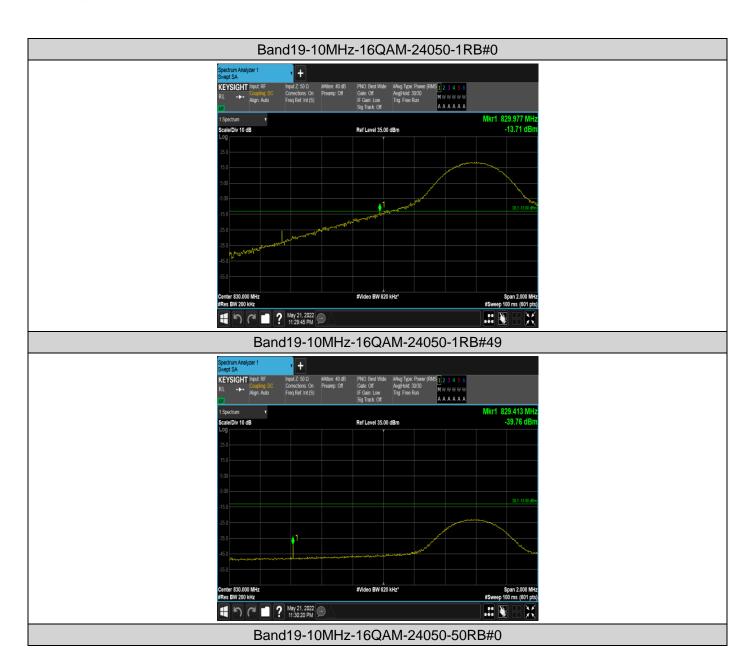
Band19-10MHz-QPSK-24100-1RB#49



Band19-10MHz-QPSK-24100-50RB#0











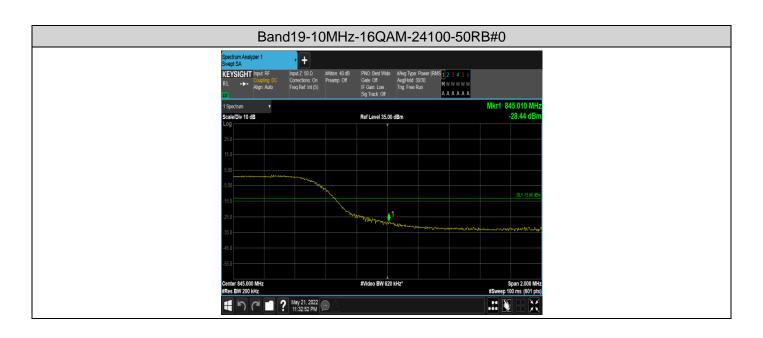
Band19-10MHz-16QAM-24100-1RB#0



Band19-10MHz-16QAM-24100-1RB#49









Appendix E: Conducted Spurious Emission

Test Result

Pand	Bandwidth	Modulation	Channal	RB	Frequency	Result	Verdict
Band	Danuwiuin	Modulation	Channel	Configuration	Range	(dBm)	verdict
Band19	5MHz	QPSK	24025	1RB#0	Range1:30~1000MHz	-30.91	PASS
Band19	5MHz	QPSK	24025	1RB#0	Range2:1000~2000MHz	-32.05	PASS
Band19	5MHz	QPSK	24025	1RB#0	Range3:2000~20000MHz	-24.76	PASS
Band19	5MHz	QPSK	24075	1RB#0	Range1:30~1000MHz	-33	PASS
Band19	5MHz	QPSK	24075	1RB#0	Range2:1000~2000MHz	-32.75	PASS
Band19	5MHz	QPSK	24075	1RB#0	Range3:2000~20000MHz	-28.57	PASS
Band19	5MHz	QPSK	24125	1RB#0	Range1:30~1000MHz	-33.31	PASS
Band19	5MHz	QPSK	24125	1RB#0	Range2:1000~2000MHz	-31.5	PASS
Band19	5MHz	QPSK	24125	1RB#0	Range3:2000~20000MHz	-34.97	PASS
Band19	5MHz	16QAM	24025	1RB#0	Range1:30~1000MHz	-31.74	PASS
Band19	5MHz	16QAM	24025	1RB#0	Range2:1000~2000MHz	-30.67	PASS
Band19	5MHz	16QAM	24025	1RB#0	Range3:2000~20000MHz	-20.82	PASS
Band19	5MHz	16QAM	24075	1RB#0	Range1:30~1000MHz	-31.92	PASS
Band19	5MHz	16QAM	24075	1RB#0	Range2:1000~2000MHz	-32.46	PASS
Band19	5MHz	16QAM	24075	1RB#0	Range3:2000~20000MHz	-28.92	PASS
Band19	5MHz	16QAM	24125	1RB#0	Range1:30~1000MHz	-32.06	PASS
Band19	5MHz	16QAM	24125	1RB#0	Range2:1000~2000MHz	-32.69	PASS
Band19	5MHz	16QAM	24125	1RB#0	Range3:2000~20000MHz	-28.35	PASS
Band19	10MHz	QPSK	24050	1RB#0	Range1:30~1000MHz	-31.62	PASS
Band19	10MHz	QPSK	24050	1RB#0	Range2:1000~2000MHz	-31.72	PASS
Band19	10MHz	QPSK	24050	1RB#0	Range3:2000~20000MHz	-20.7	PASS
Band19	10MHz	QPSK	24075	1RB#0	Range1:30~1000MHz	-32.64	PASS
Band19	10MHz	QPSK	24075	1RB#0	Range2:1000~2000MHz	-31.56	PASS
Band19	10MHz	QPSK	24075	1RB#0	Range3:2000~20000MHz	-22.86	PASS
Band19	10MHz	QPSK	24100	1RB#0	Range1:30~1000MHz	-31.55	PASS
Band19	10MHz	QPSK	24100	1RB#0	Range2:1000~2000MHz	-32.67	PASS
Band19	10MHz	QPSK	24100	1RB#0	Range3:2000~20000MHz	-30.19	PASS
Band19	10MHz	16QAM	24050	1RB#0	Range1:30~1000MHz	-32.26	PASS
Band19	10MHz	16QAM	24050	1RB#0	Range2:1000~2000MHz	-31.89	PASS
Band19	10MHz	16QAM	24050	1RB#0	Range3:2000~20000MHz	-18.88	PASS
Band19	10MHz	16QAM	24075	1RB#0	Range1:30~1000MHz	-31.89	PASS
Band19	10MHz	16QAM	24075	1RB#0	Range2:1000~2000MHz	-32.31	PASS
Band19	10MHz	16QAM	24075	1RB#0	Range3:2000~20000MHz	-33.31	PASS
Band19	10MHz	16QAM	24100	1RB#0	Range1:30~1000MHz	-32.2	PASS
Band19	10MHz	16QAM	24100	1RB#0	Range2:1000~2000MHz	-32.84	PASS

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Band19	10MHz	16QAM	24100	1RB#0	Range3:2000~20000MHz	-28.82	PASS
Band19	15MHz	QPSK	24075	1RB#0	Range1:30~1000MHz	-32.45	PASS
Band19	15MHz	QPSK	24075	1RB#0	Range2:1000~2000MHz	-32.41	PASS
Band19	15MHz	QPSK	24075	1RB#0	Range3:2000~20000MHz	-19.03	PASS
Band19	15MHz	16QAM	24075	1RB#0	Range1:30~1000MHz	-33.03	PASS
Band19	15MHz	16QAM	24075	1RB#0	Range2:1000~2000MHz	-30.99	PASS
Band19	15MHz	16QAM	24075	1RB#0	Range3:2000~20000MHz	-21.53	PASS

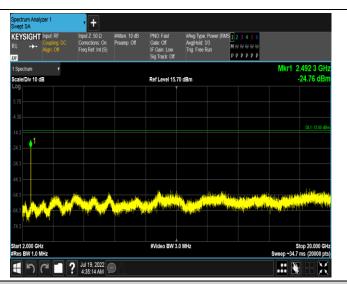
Test Graphs



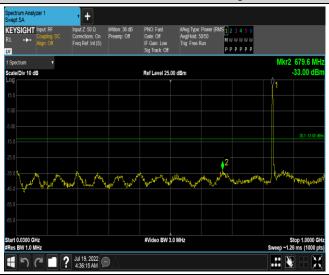
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Band19-5MHz-QPSK-24025-1RB#0-Range3:2000~20000MHz

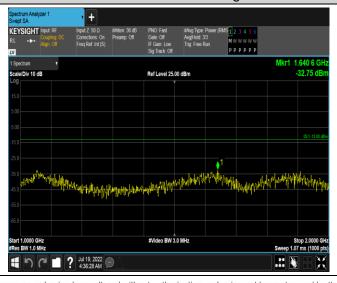




Band19-5MHz-QPSK-24075-1RB#0-Range1:30~1000MHz



Band19-5MHz-QPSK-24075-1RB#0-Range2:1000~2000MHz

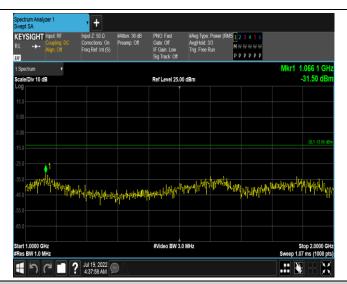




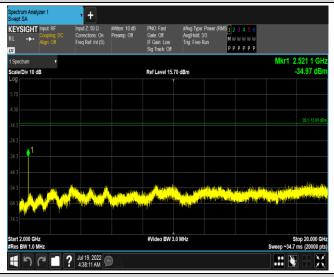


Band19-5MHz-QPSK-24125-1RB#0-Range2:1000~2000MHz

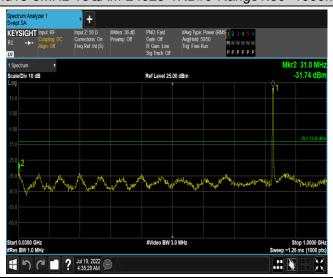




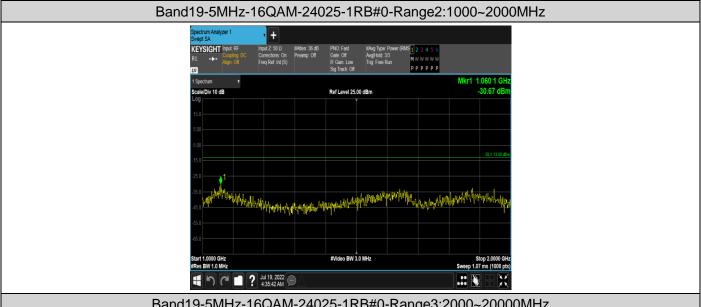
Band19-5MHz-QPSK-24125-1RB#0-Range3:2000~20000MHz



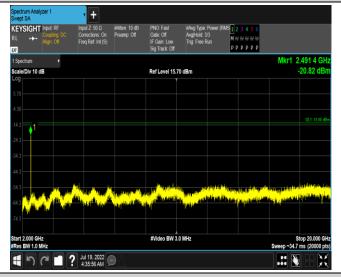
Band19-5MHz-16QAM-24025-1RB#0-Range1:30~1000MHz





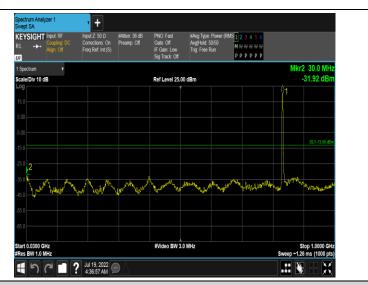


Band19-5MHz-16QAM-24025-1RB#0-Range3:2000~20000MHz



Band19-5MHz-16QAM-24075-1RB#0-Range1:30~1000MHz





Band19-5MHz-16QAM-24075-1RB#0-Range2:1000~2000MHz



Band19-5MHz-16QAM-24075-1RB#0-Range3:2000~20000MHz

