

FCC LTE Band4 Test Data

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

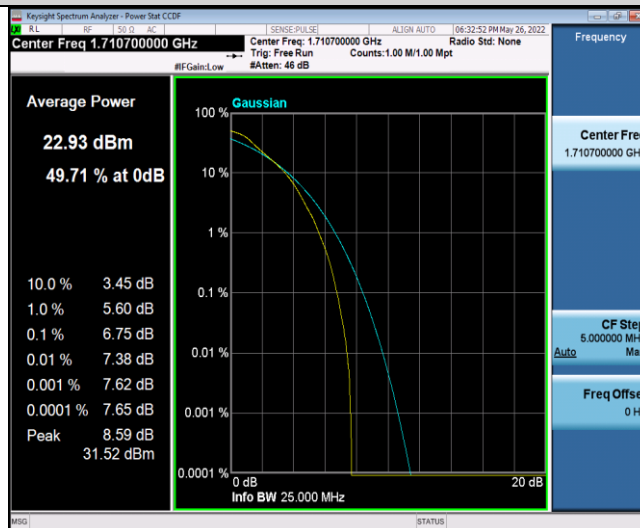
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	6.75	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.74	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.63	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	8.33	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	7.92	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	7.59	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	7.40	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.74	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.67	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.61	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	8.18	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	7.83	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	6.60	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.83	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.68	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	7.02	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	8.42	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	8.22	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	6.30	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.39	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.69	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	7.00	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.52	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.14	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	8.02	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	8.39	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	6.91	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	8.09	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	7.06	13	PASS

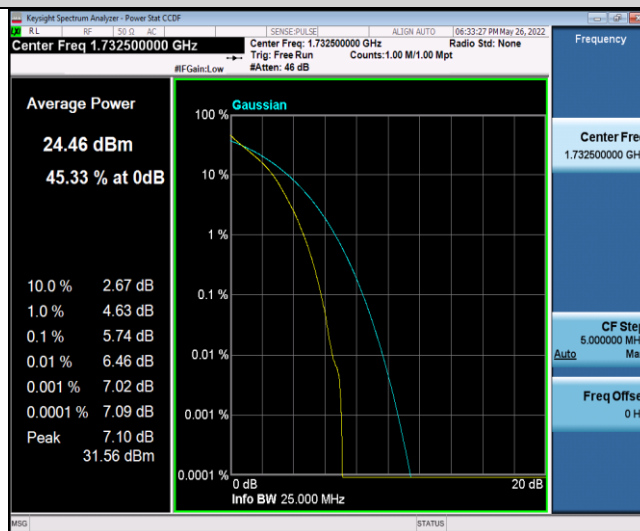
Band4	15MHz	16QAM	20325	75RB#0	7.33	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	7.30	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	6.56	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	8.39	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	7.92	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.66	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	7.05	13	PASS

Test Graphs

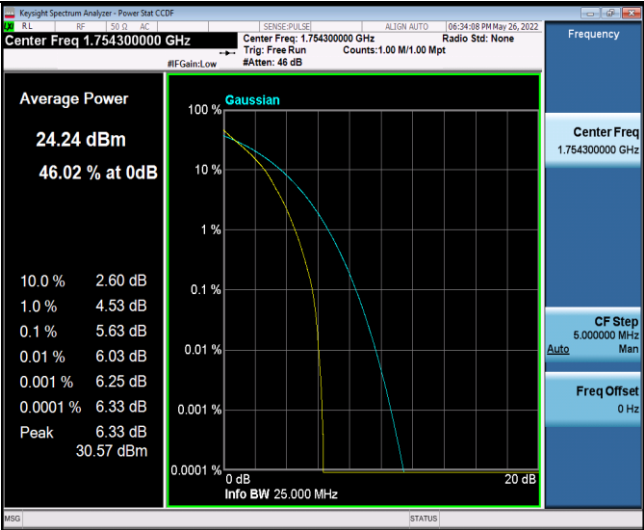
Band4-1.4MHz-QPSK-19957-6RB#0



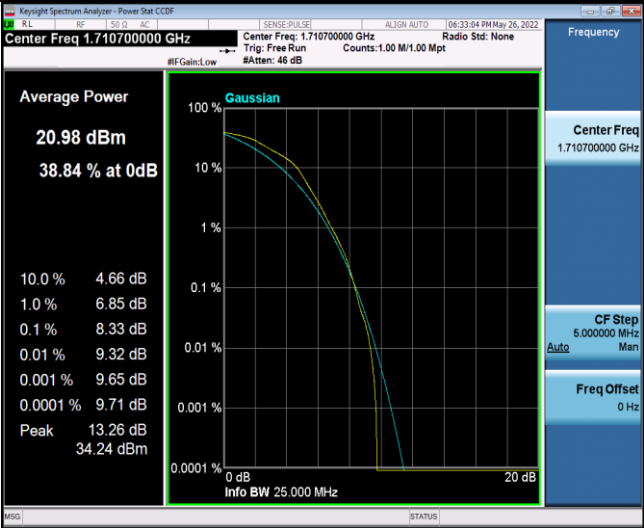
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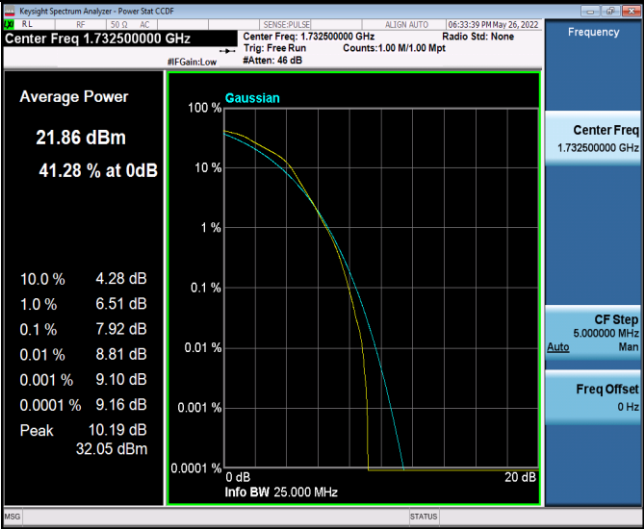
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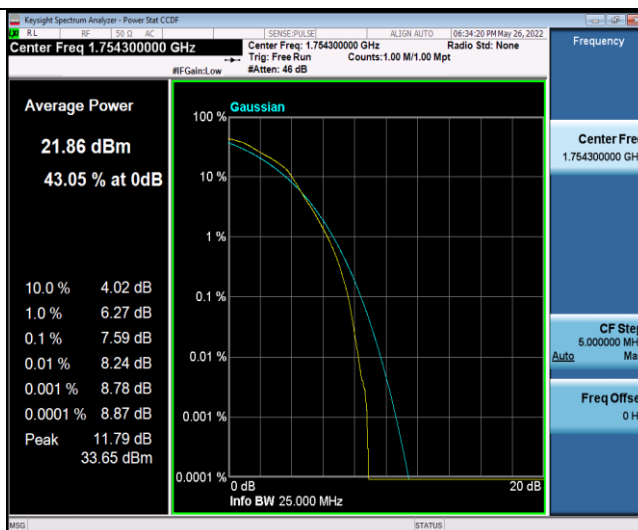
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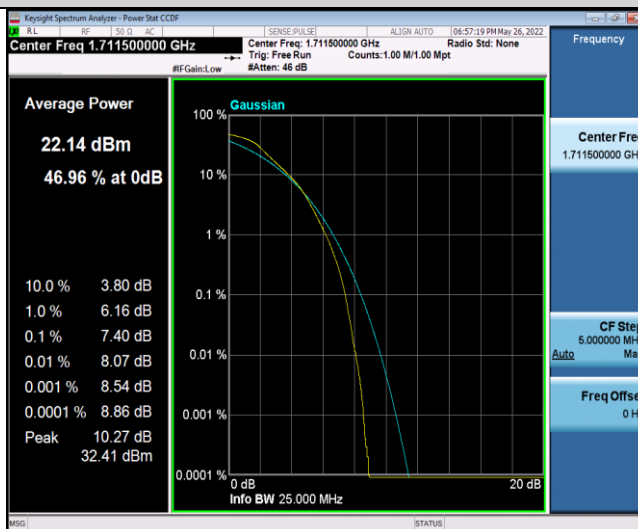
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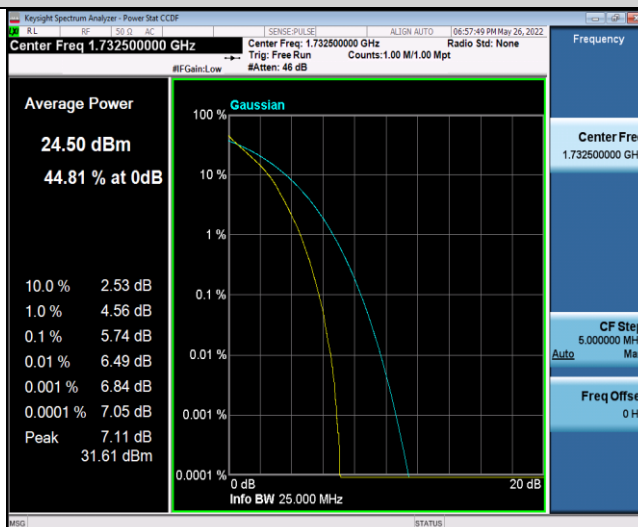
Band4-1.4MHz-16QAM-20393-6RB#0



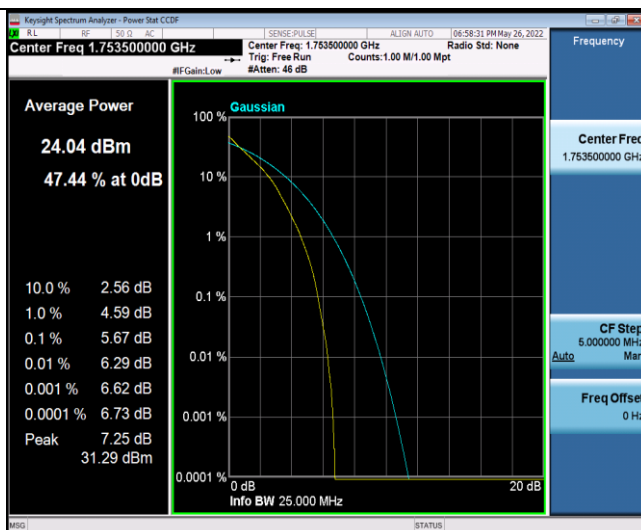
Band4-3MHz-QPSK-19965-15RB#0



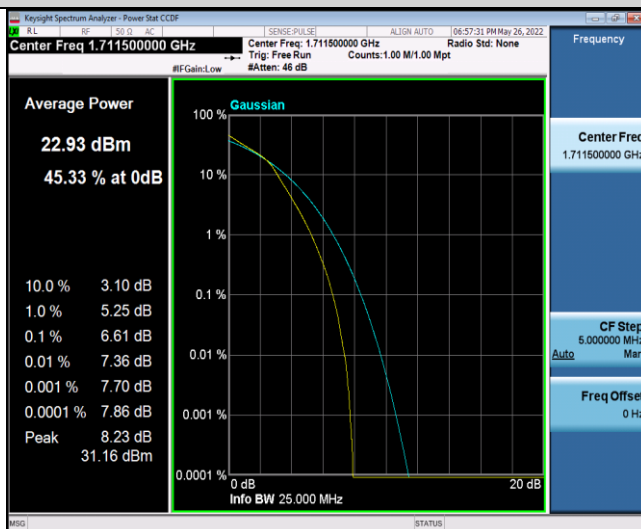
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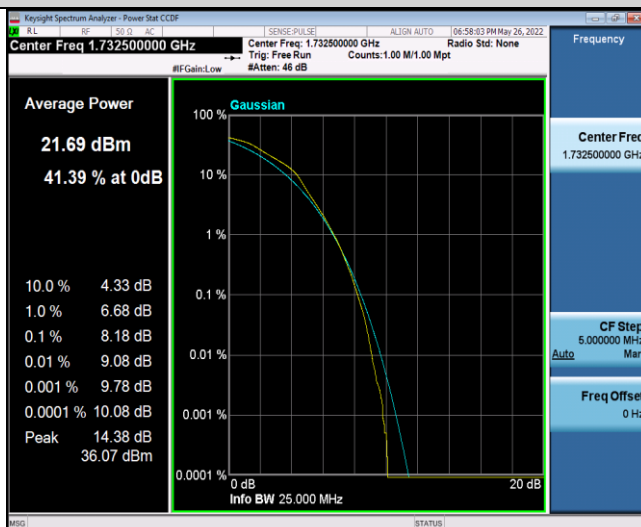
Band4-3MHz-QPSK-20385-15RB#0



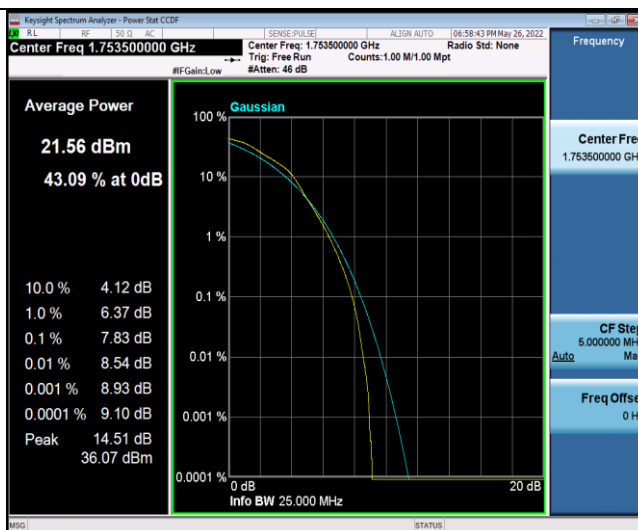
Band4-3MHz-16QAM-19965-15RB#0



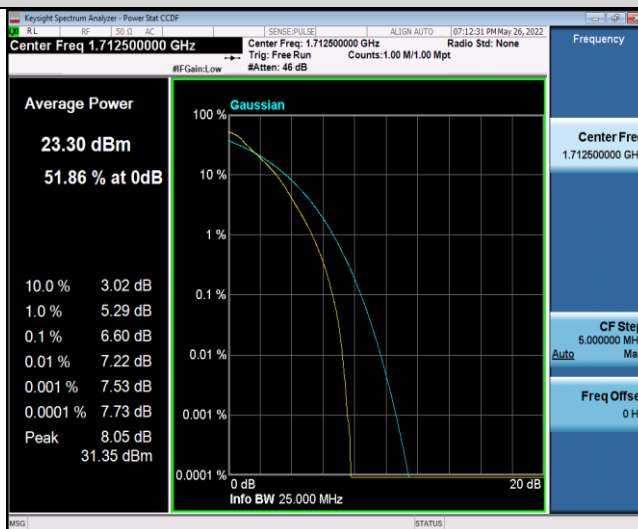
Band4-3MHz-16QAM-20175-15RB#0



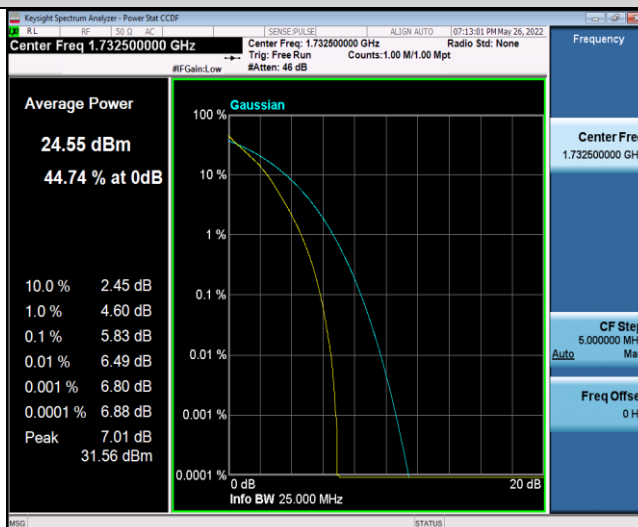
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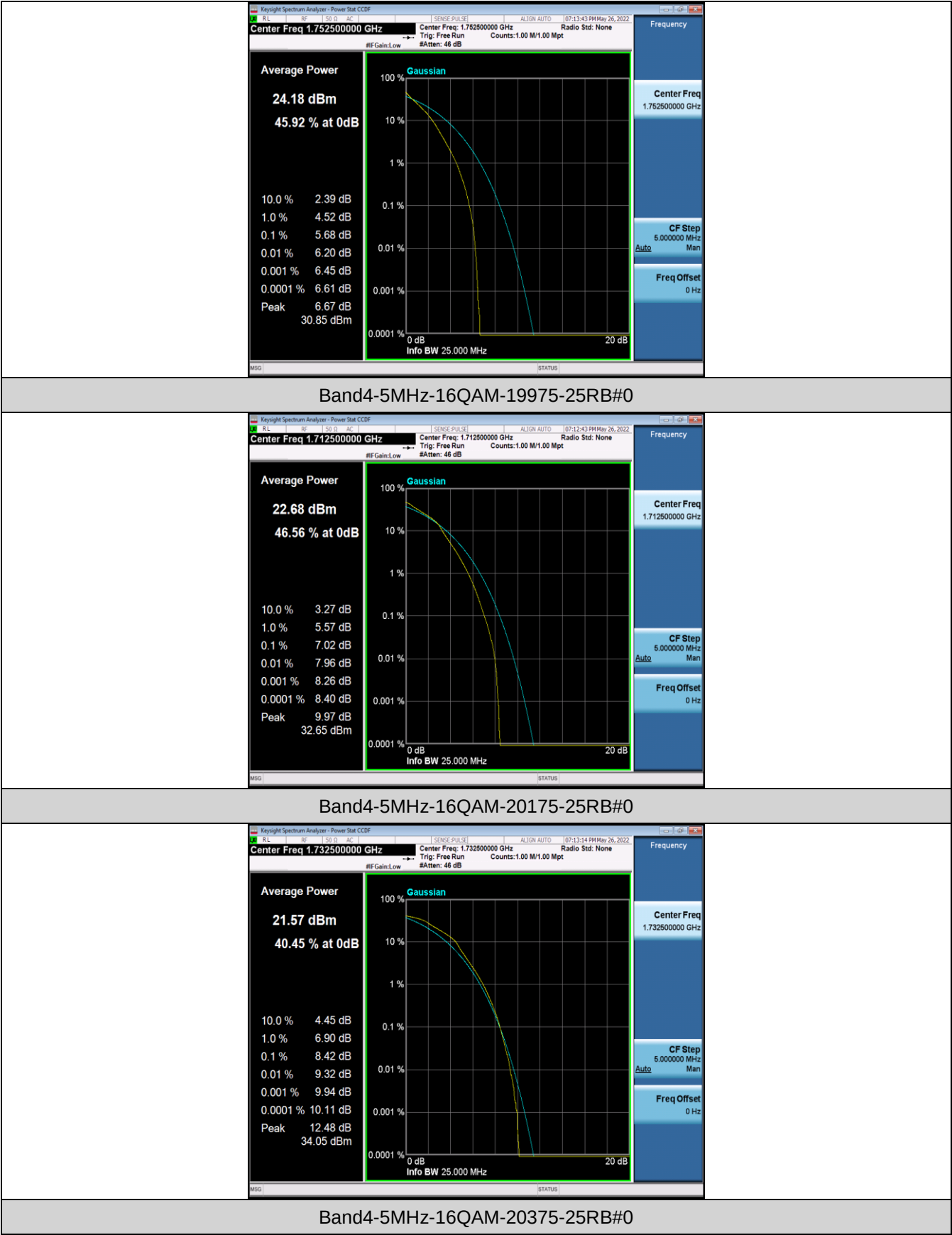
Band4-5MHz-QPSK-19975-25RB#0

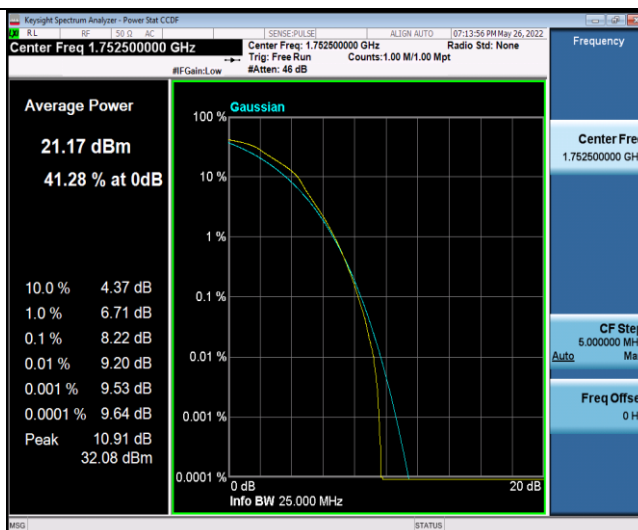


Band4-5MHz-QPSK-20175-25RB#0

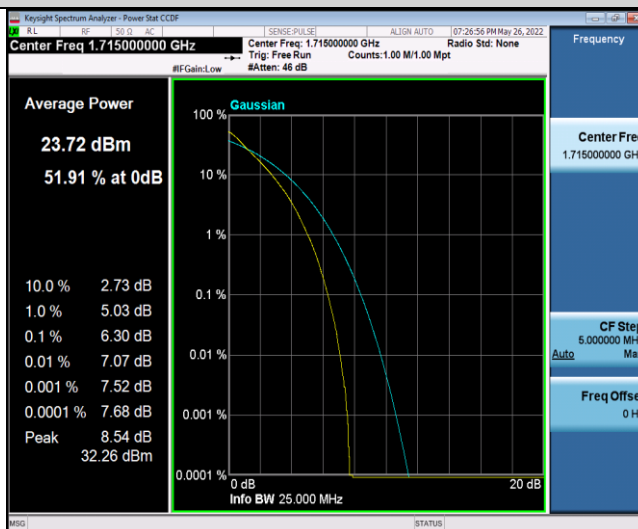


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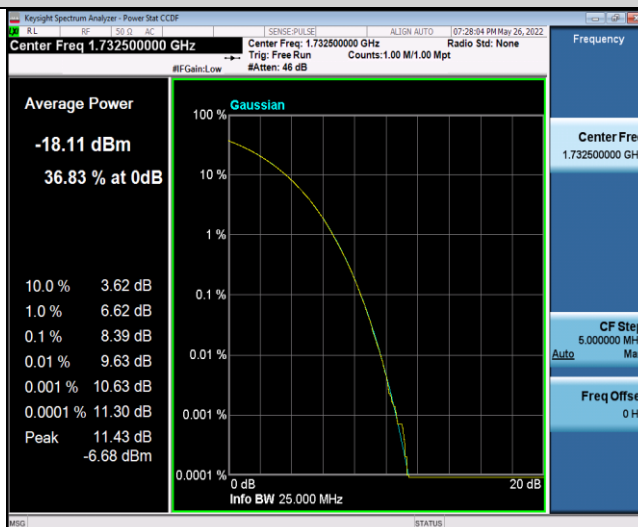




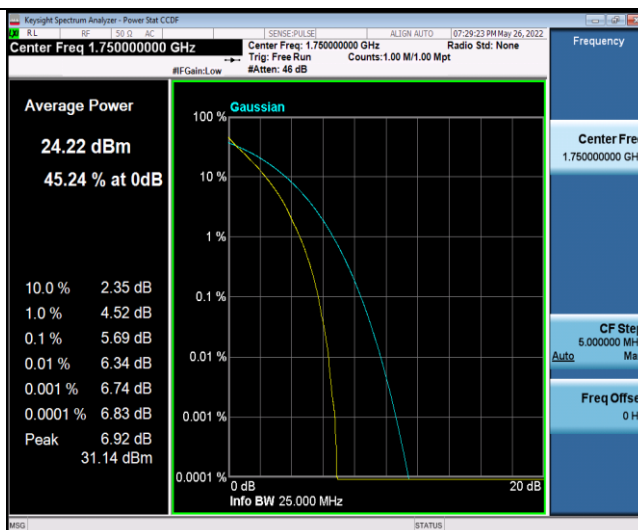
Band4-10MHz-QPSK-20000-50RB#0



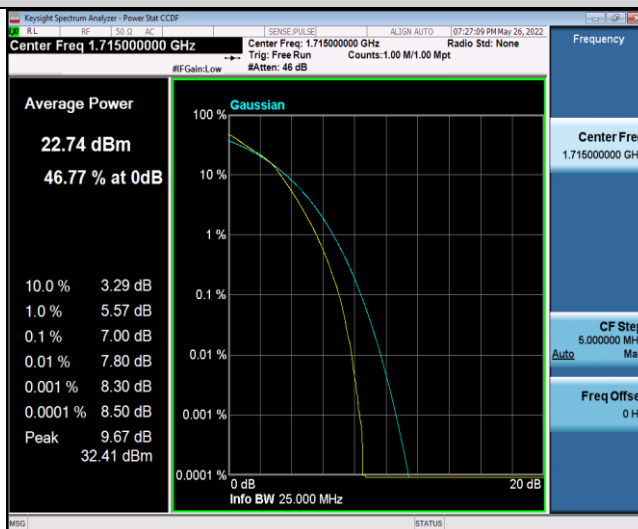
Band4-10MHz-QPSK-20175-50RB#0



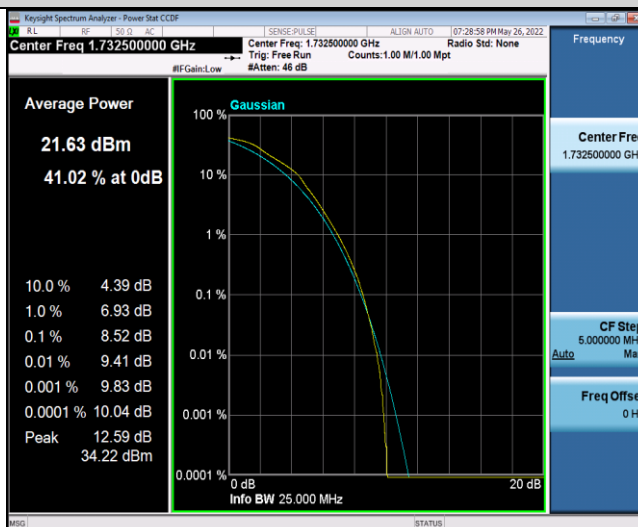
Band4-10MHz-QPSK-20350-50RB#0



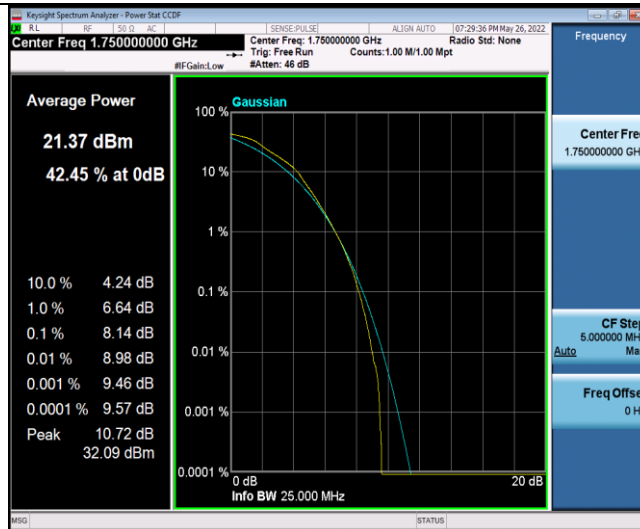
Band4-10MHz-16QAM-20000-50RB#0



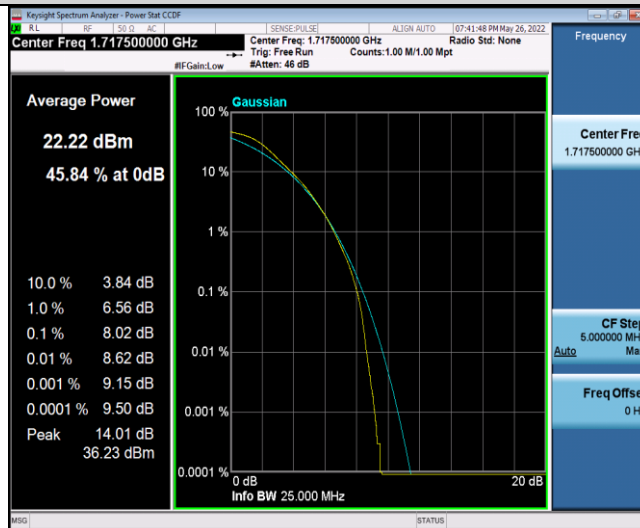
Band4-10MHz-16QAM-20175-50RB#0



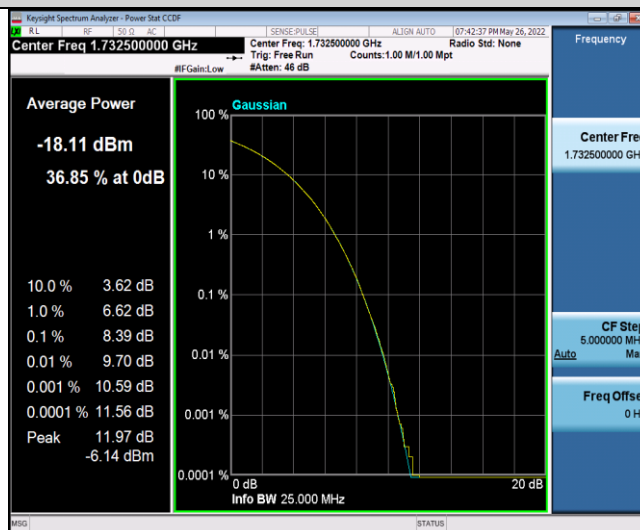
Band4-10MHz-16QAM-20350-50RB#0



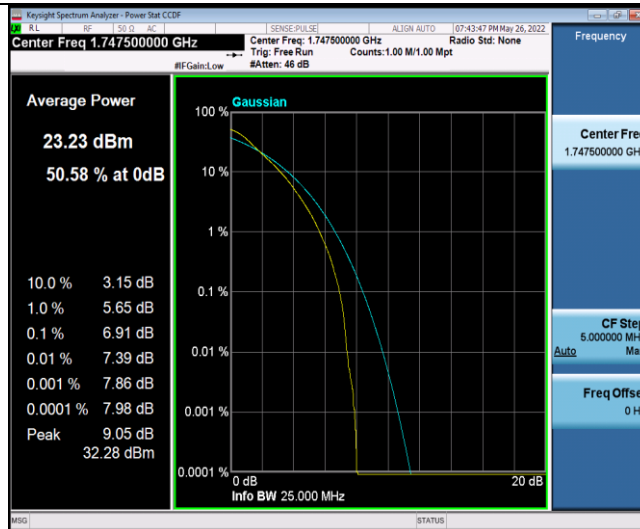
Band4-15MHz-QPSK-20025-75RB#0



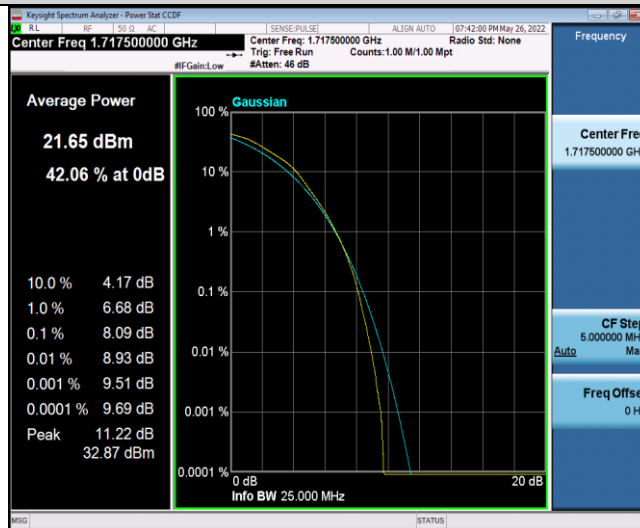
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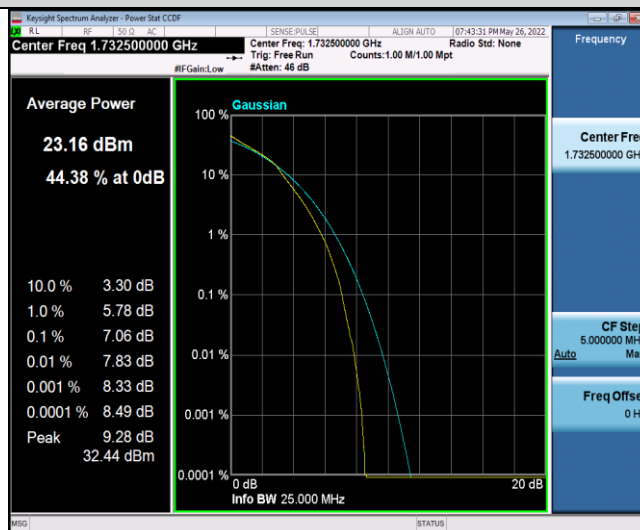
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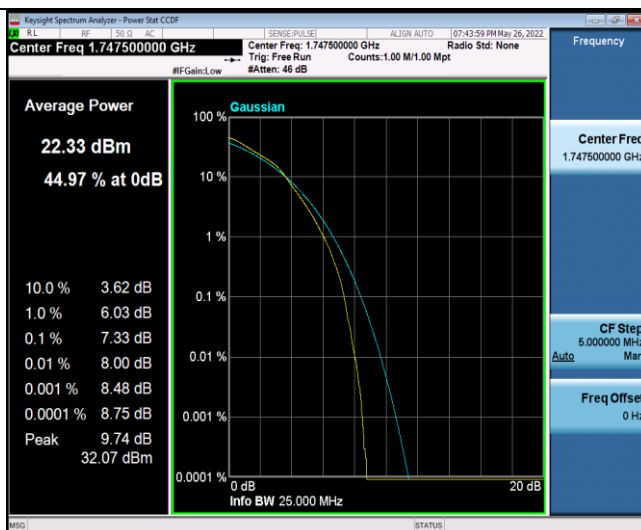
Band4-15MHz-16QAM-20025-75RB#0



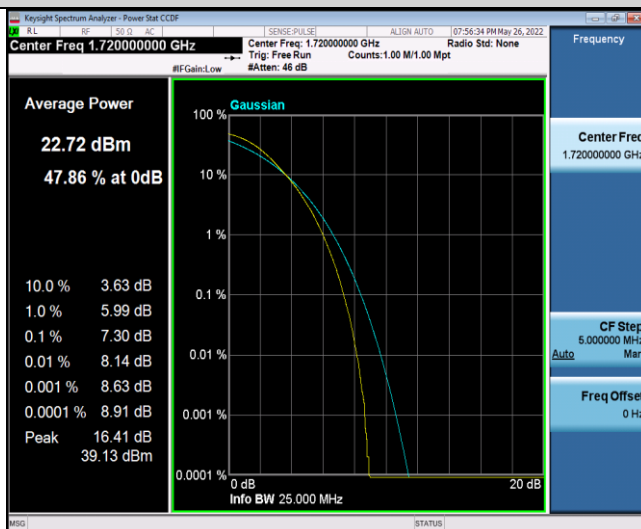
Band4-15MHz-16QAM-20175-75RB#0



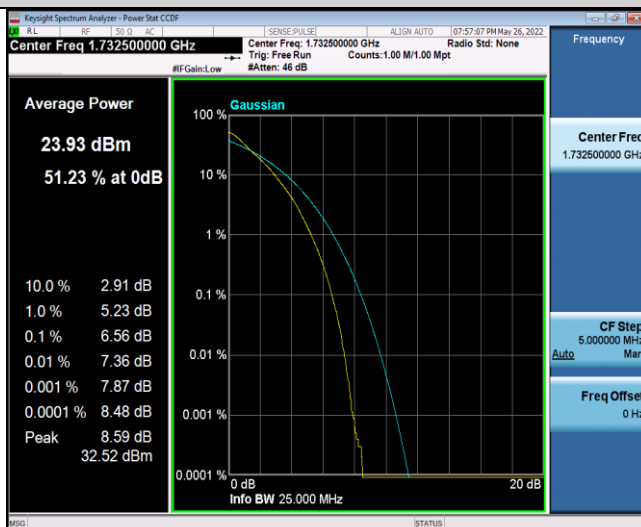
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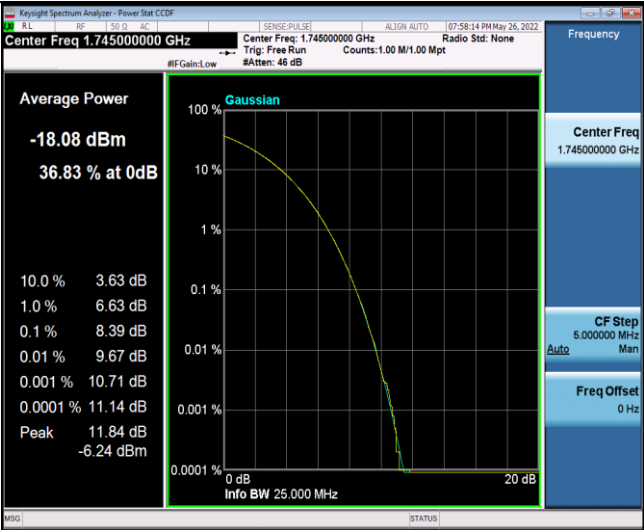
Band4-20MHz-QPSK-20050-100RB#0



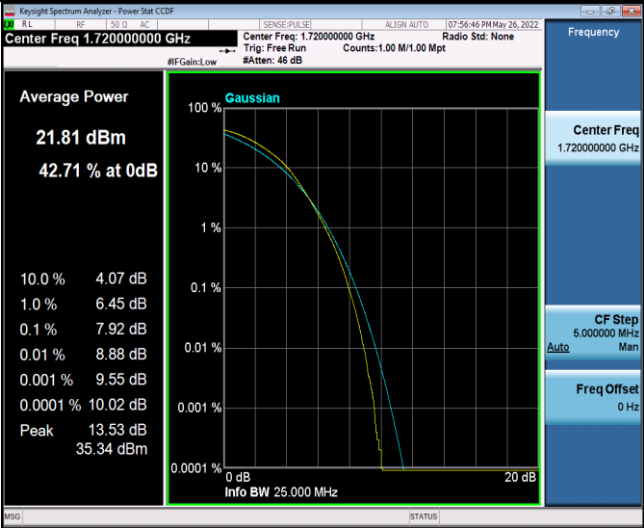
Band4-20MHz-QPSK-20175-100RB#0



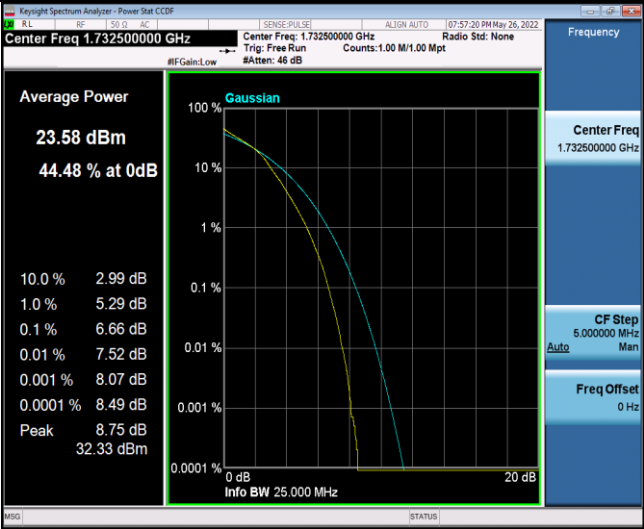
Band4-20MHz-QPSK-20300-100RB#0



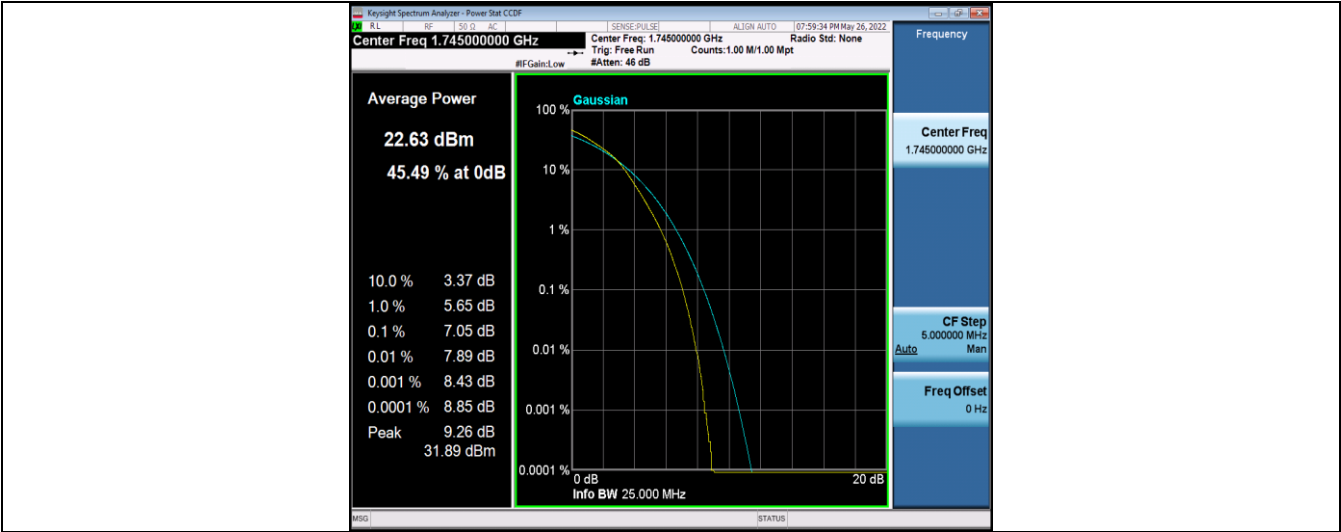
Band4-20MHz-16QAM-20050-100RB#0



Band4-20MHz-16QAM-20175-100RB#0



Band4-20MHz-16QAM-20300-100RB#0



Appendix C: 26dB Bandwidth and Occupied Bandwidth

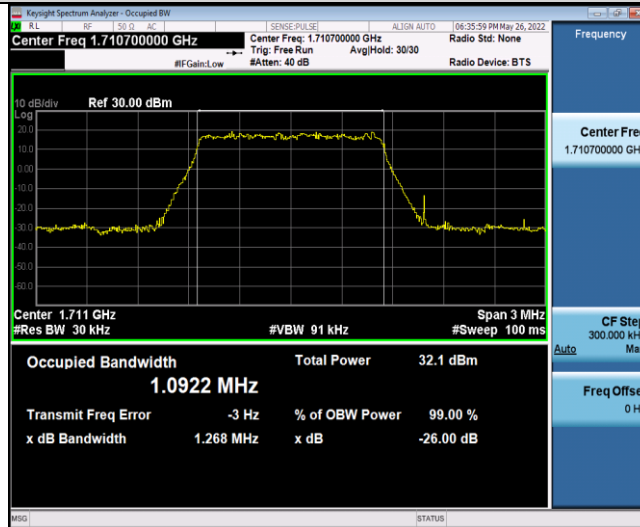
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.0922	1.268	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0903	1.279	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0941	1.290	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0938	1.283	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0969	1.309	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0870	1.270	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6859	2.884	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6854	2.905	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6884	2.902	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6830	2.909	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6773	2.911	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6827	2.901	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5050	4.968	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5035	5.110	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.4882	5.286	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.4847	4.976	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.4850	4.925	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.4943	4.936	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9846	9.770	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9965	10.14	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9887	9.776	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9659	9.725	PASS
Band4	10MHz	16QAM	20175	50RB#0	9.0062	9.744	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9817	9.794	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.460	14.65	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.505	14.75	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.443	14.70	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.442	14.59	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.479	15.53	PASS

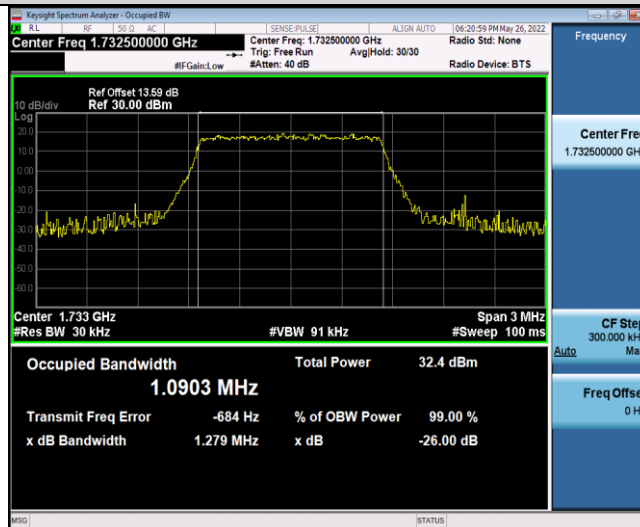
Band4	15MHz	16QAM	20325	75RB#0	13.464	14.55	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.923	19.25	PASS
Band4	20MHz	QPSK	20175	100RB#0	18.006	19.44	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.879	19.28	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.969	19.26	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.991	19.36	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.901	19.37	PASS

Test Graphs

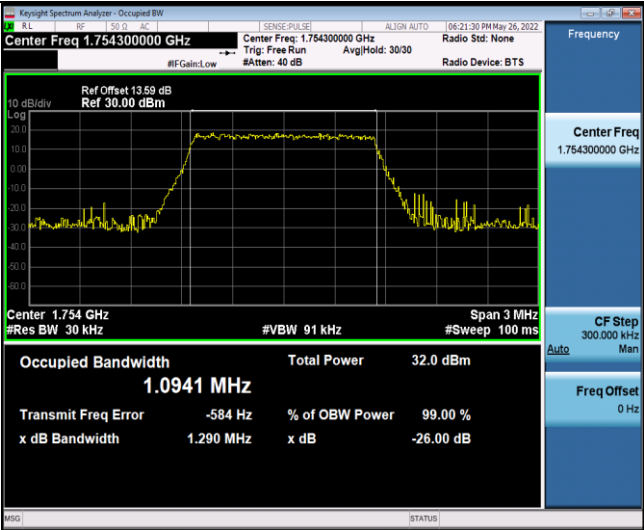
Band4-1.4MHz-QPSK-19957-6RB#0



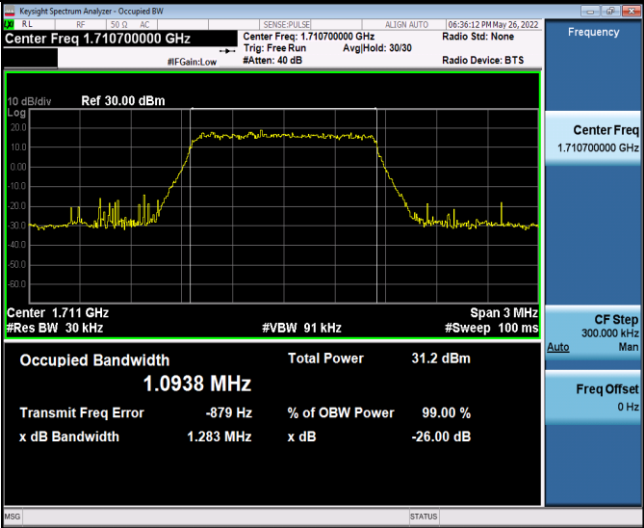
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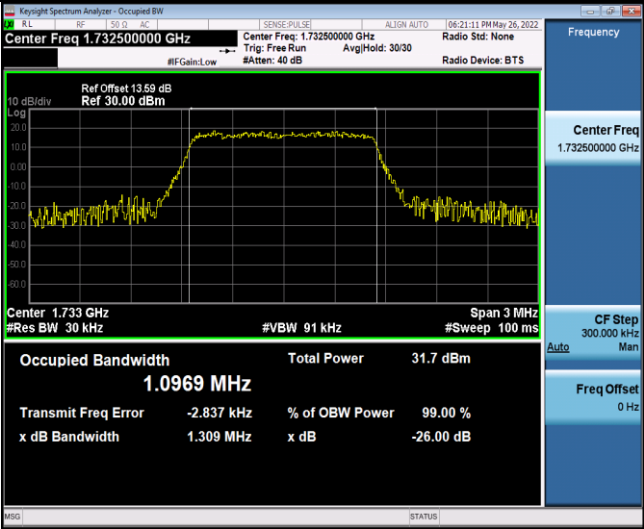
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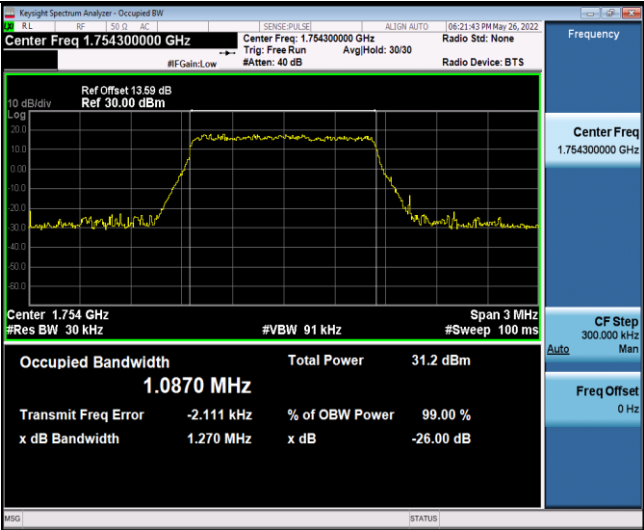
Band4-1.4MHz-16QAM-19957-6RB#0



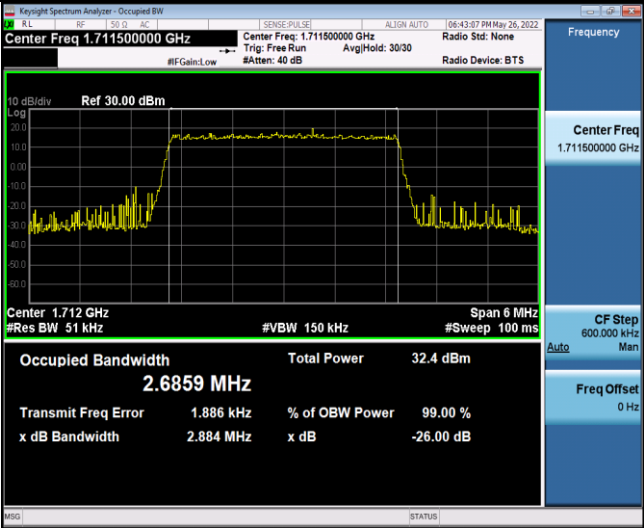
Band4-1.4MHz-16QAM-20175-6RB#0



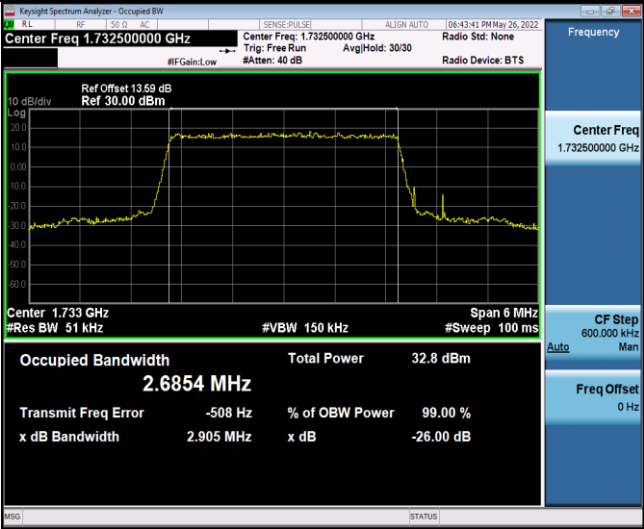
Band4-1.4MHz-16QAM-20393-6RB#0



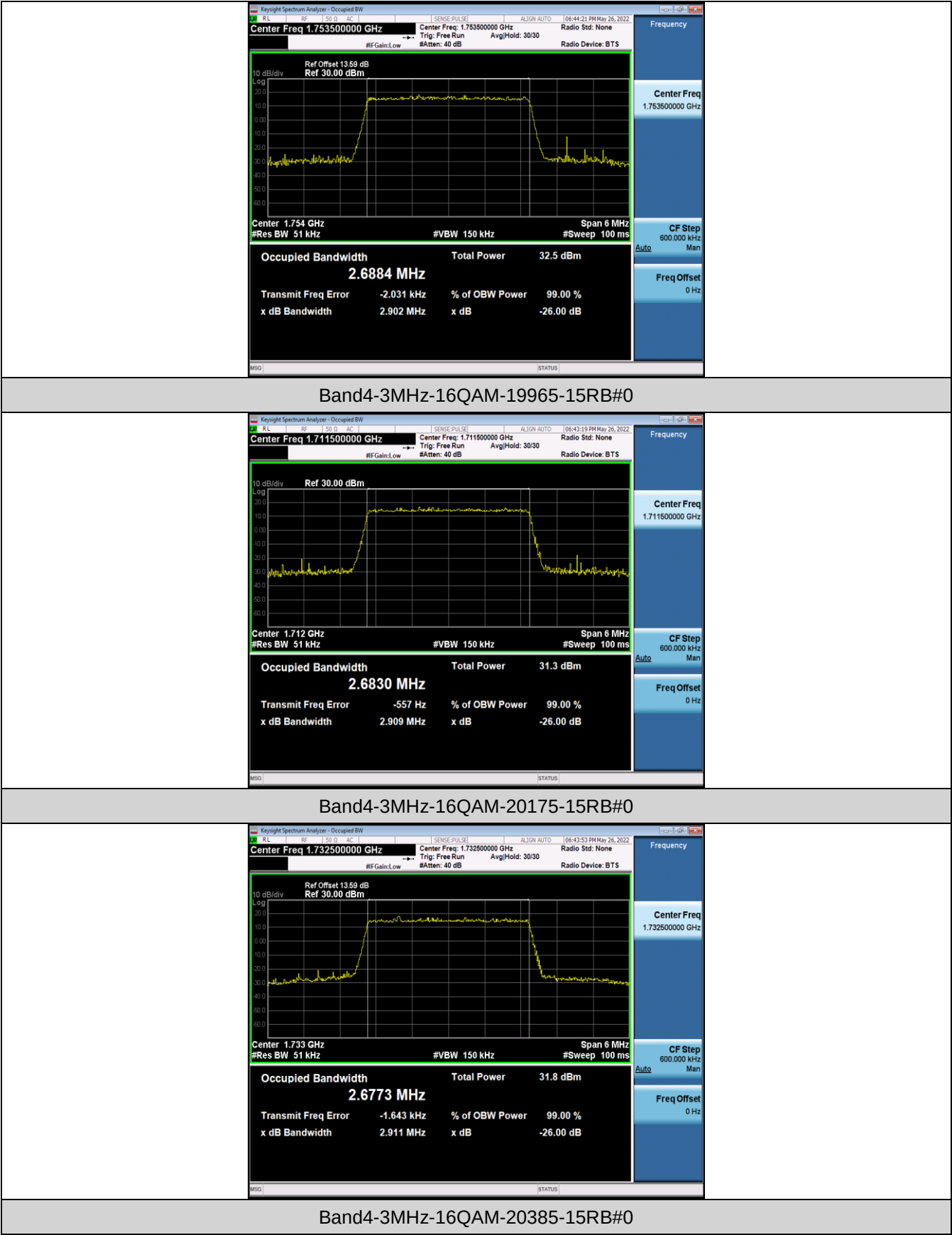
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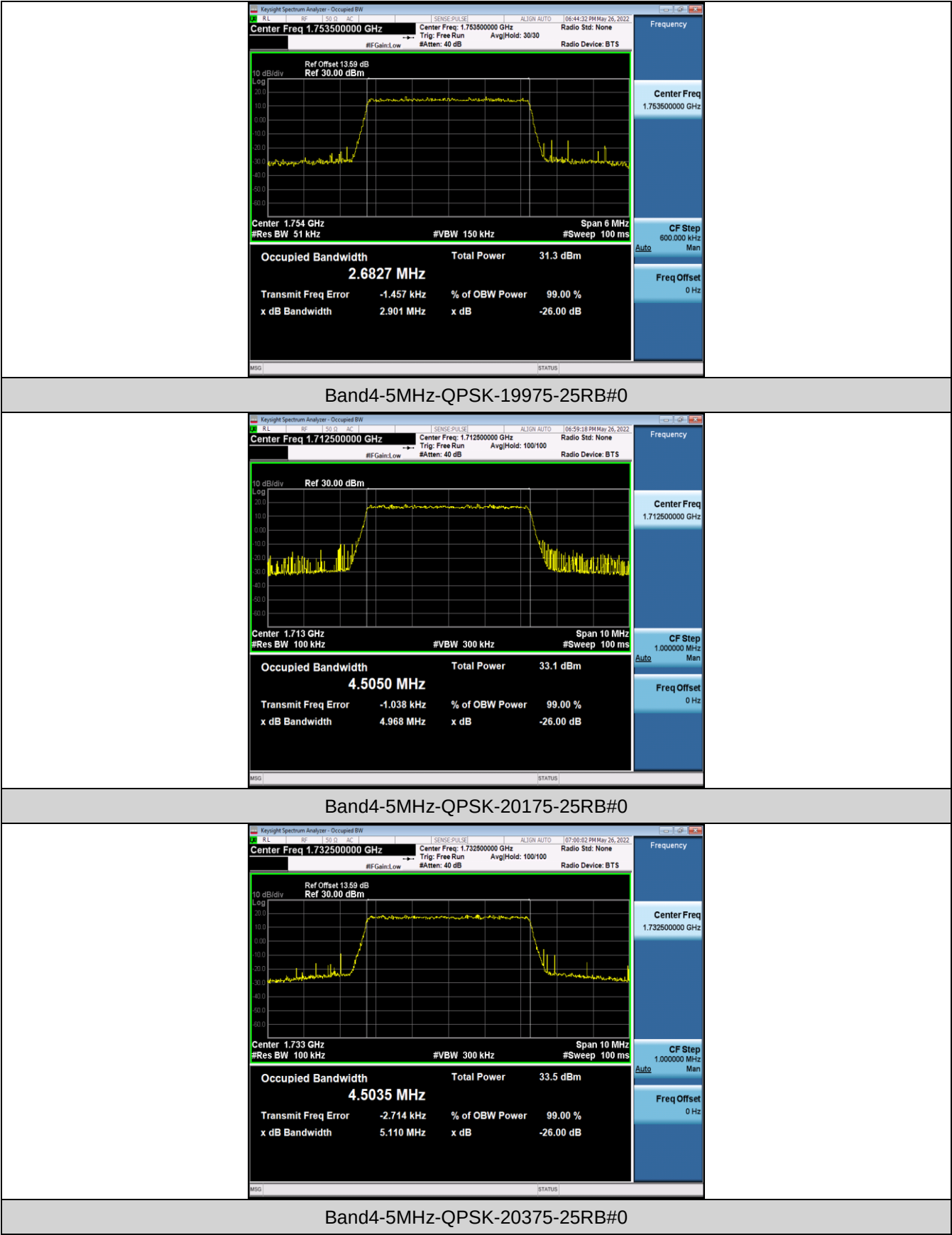


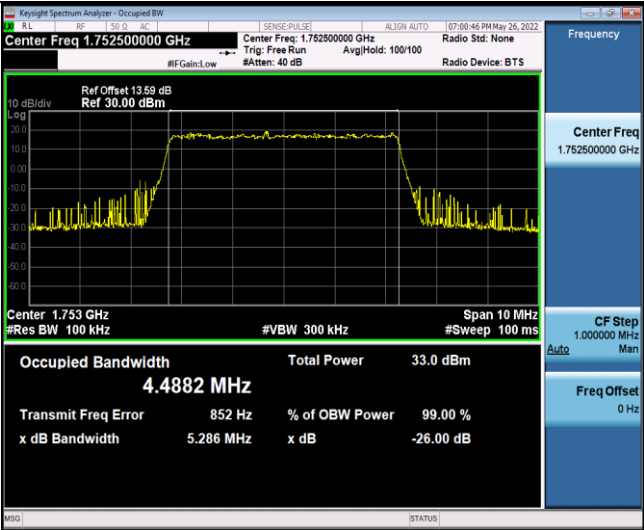
Band4-3MHz-QPSK-20175-15RB#0



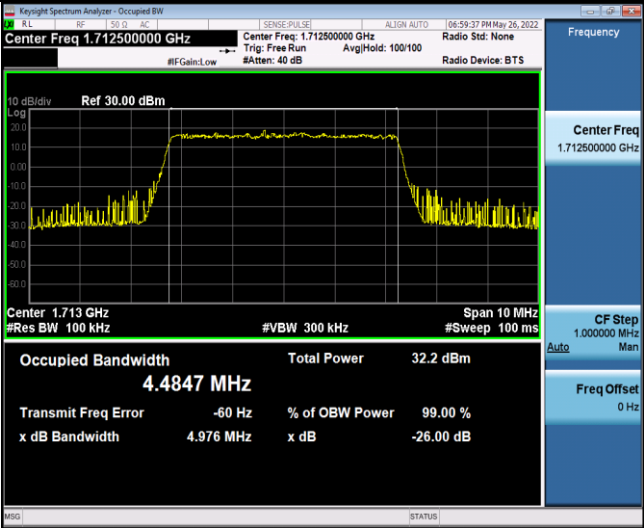
Band4-3MHz-QPSK-20385-15RB#0



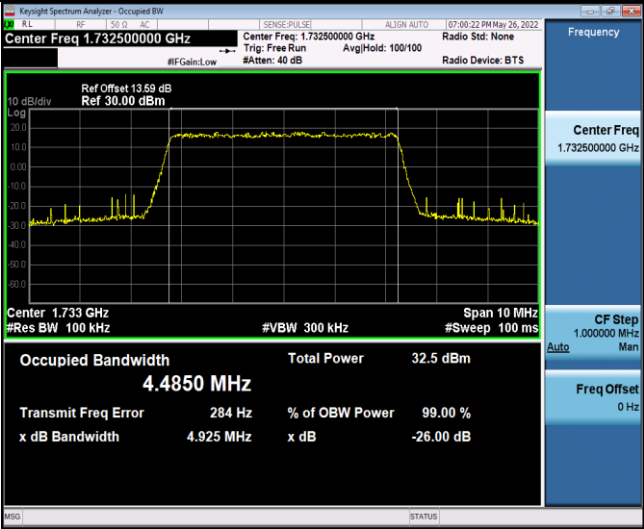




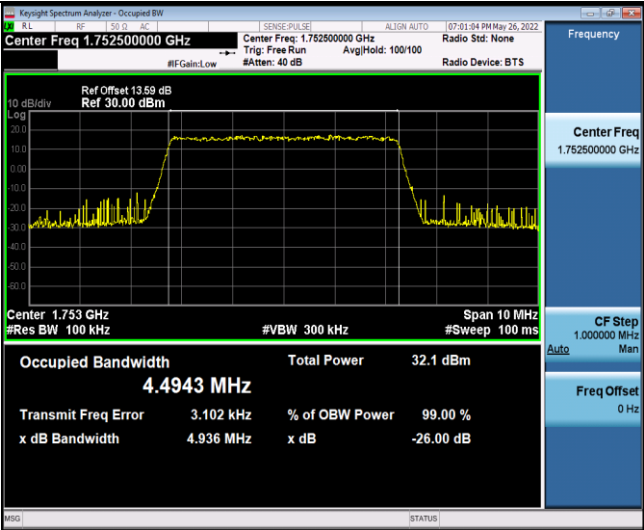
Band4-5MHz-16QAM-19975-25RB#0



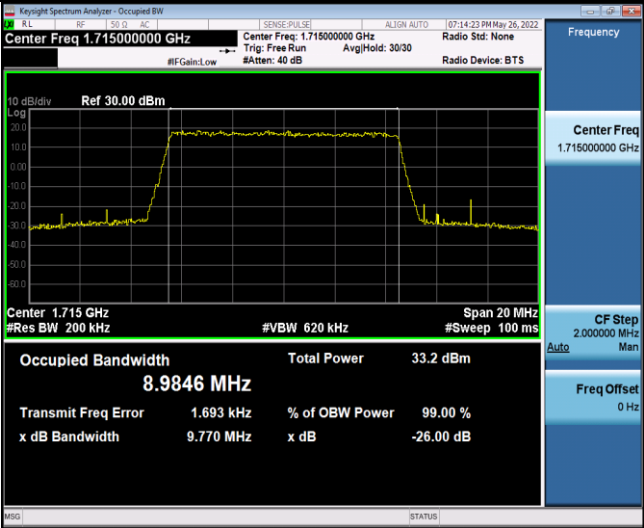
Band4-5MHz-16QAM-20175-25RB#0



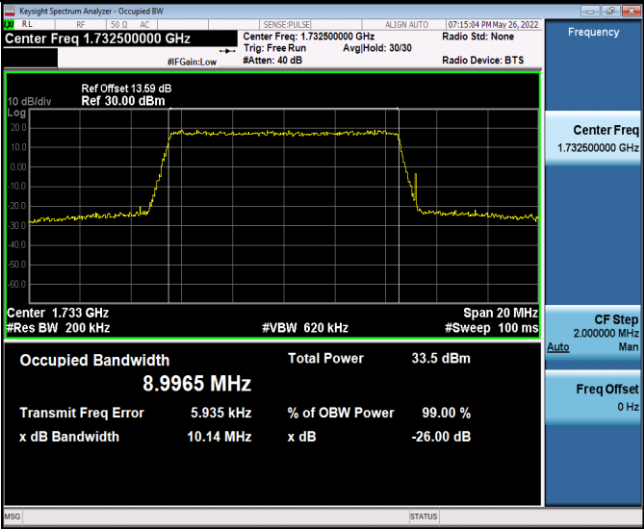
Band4-5MHz-16QAM-20375-25RB#0



Band4-10MHz-QPSK-20000-50RB#0



Band4-10MHz-QPSK-20175-50RB#0



Band4-10MHz-QPSK-20350-50RB#0