

FCC LTE Band4 Test Data

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

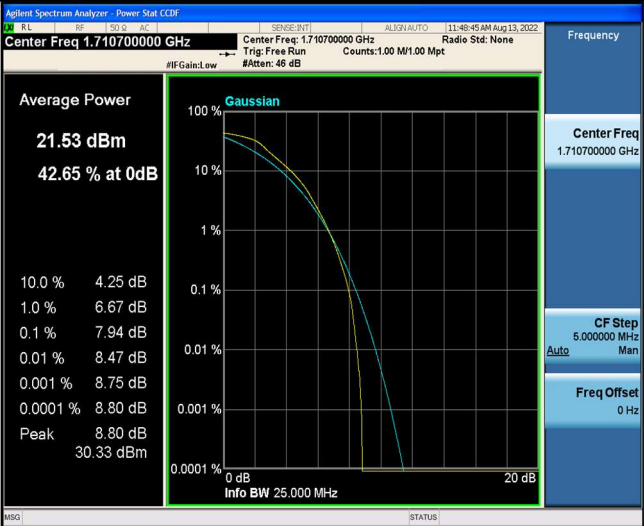
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	7.94	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.73	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.49	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	6.71	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	8.44	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	8.34	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.74	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.75	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	6.33	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	7.74	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	8.01	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	7.00	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.86	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.82	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.55	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	7.35	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	8.06	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	7.77	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	6.91	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.61	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.88	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	6.74	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	7.74	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	6.44	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	7.27	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	6.13	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	6.26	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	7.76	13	PASS

Band4	15MHz	16QAM	20175	75RB#0	7.71	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	6.33	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	7.22	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	6.95	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	6.46	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.92	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	8.55	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.98	13	PASS

Test Graphs

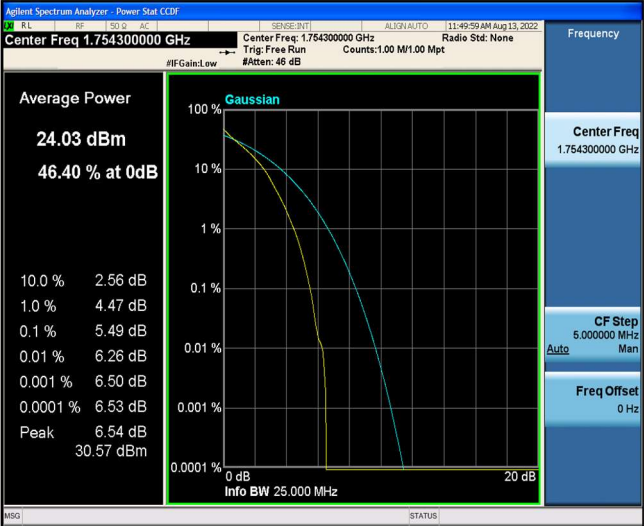
Band4-1.4MHz-QPSK-19957-6RB#0



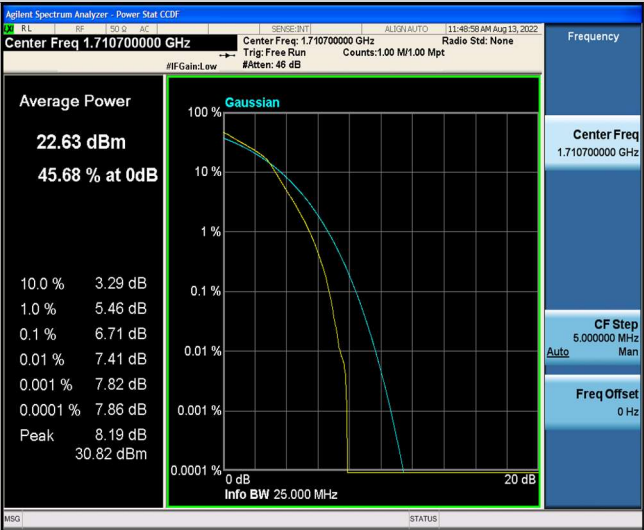
Band4-1.4MHz-QPSK-20175-6RB#0



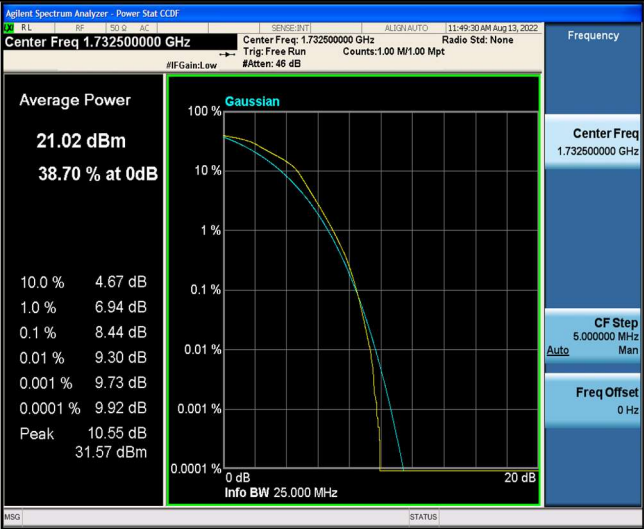
Band4-1.4MHz-QPSK-20393-6RB#0



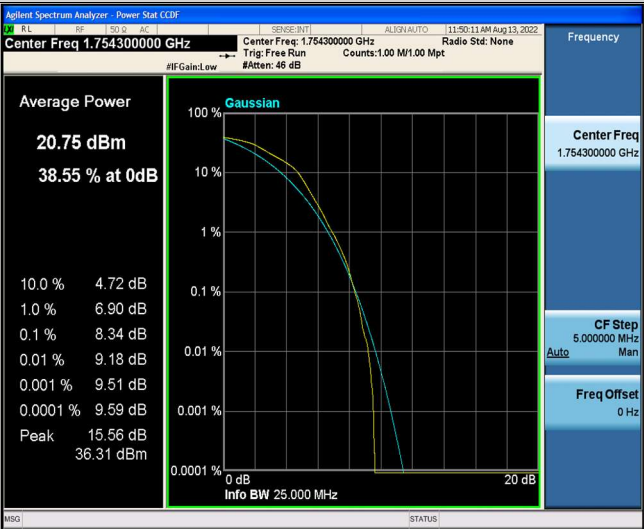
Band4-1.4MHz-16QAM-19957-6RB#0



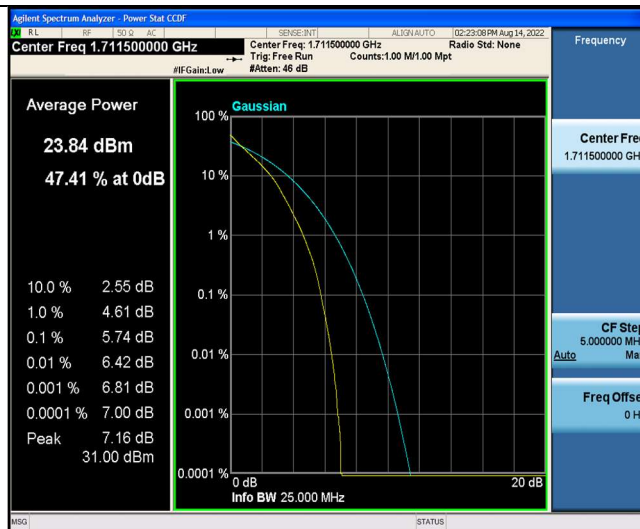
Band4-1.4MHz-16QAM-20175-6RB#0



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



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



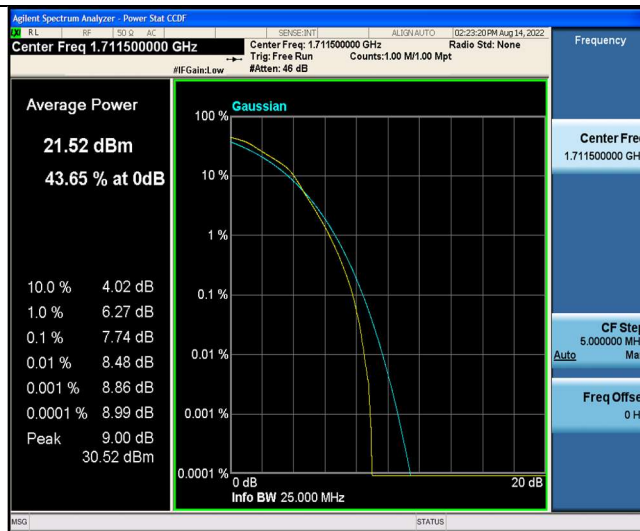
Band4-3MHz-QPSK-20175-15RB#0



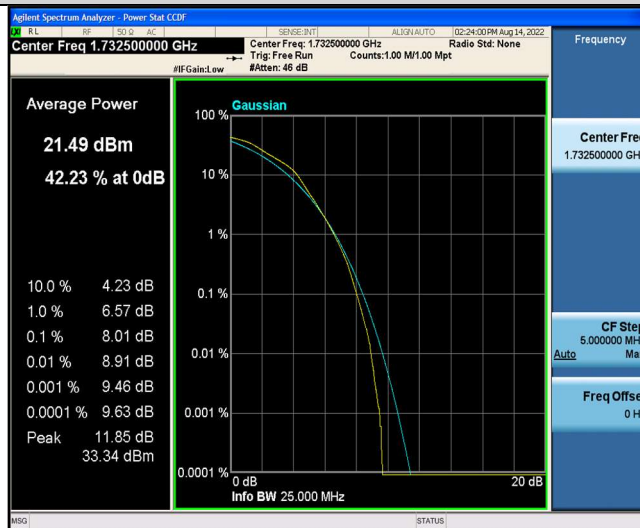
Band4-3MHz-QPSK-20385-15RB#0



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



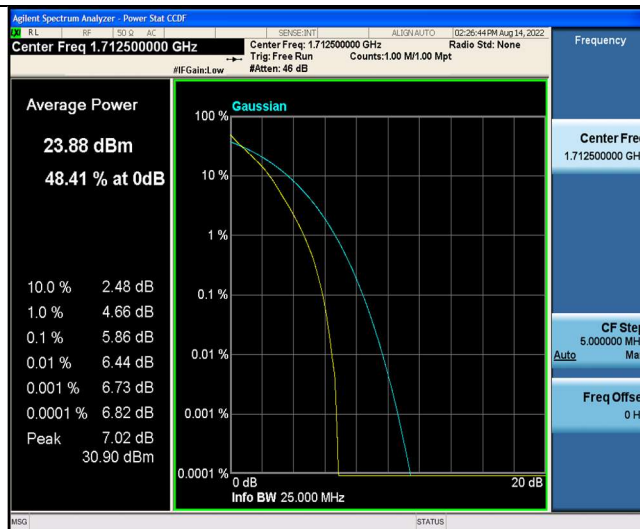
Band4-3MHz-16QAM-20175-15RB#0



Band4-3MHz-16QAM-20385-15RB#0



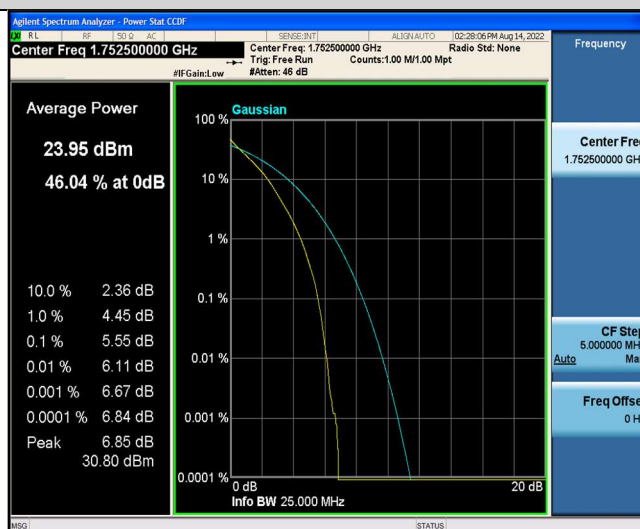
Band4-5MHz-QPSK-19975-25RB#0



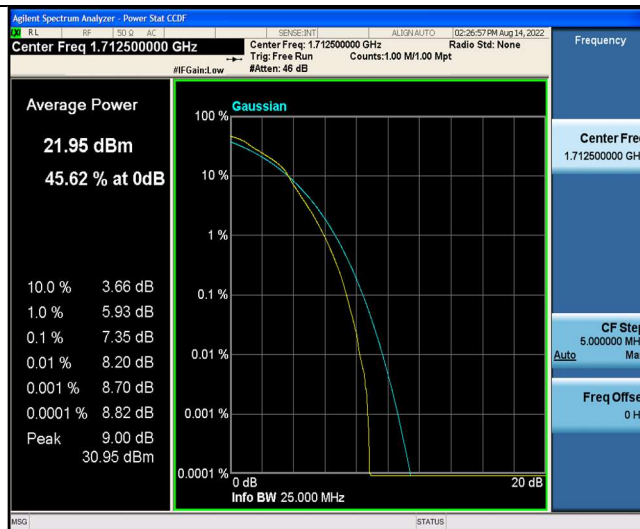
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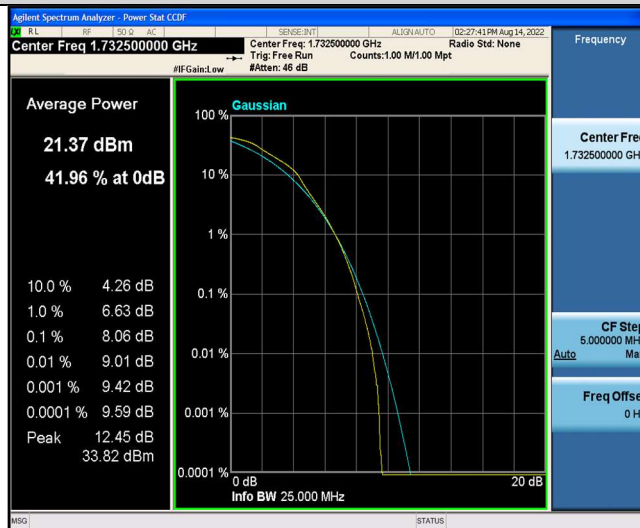
Band4-5MHz-QPSK-20375-25RB#0



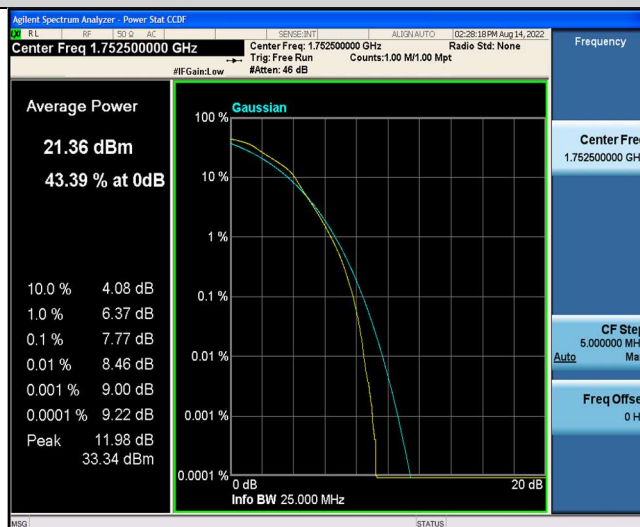
Band4-5MHz-16QAM-19975-25RB#0



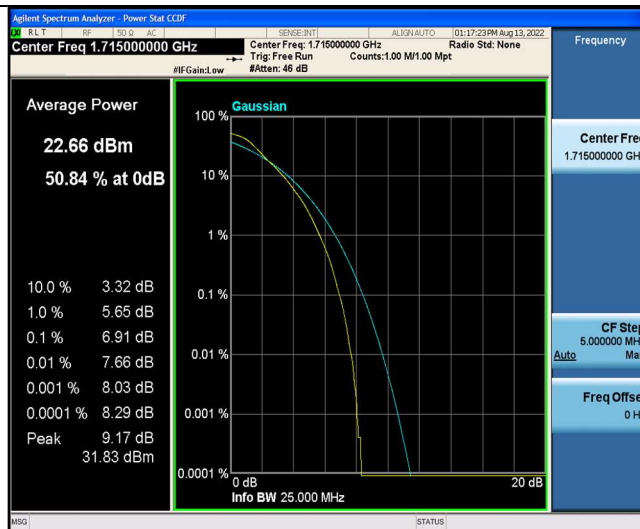
Band4-5MHz-16QAM-20175-25RB#0



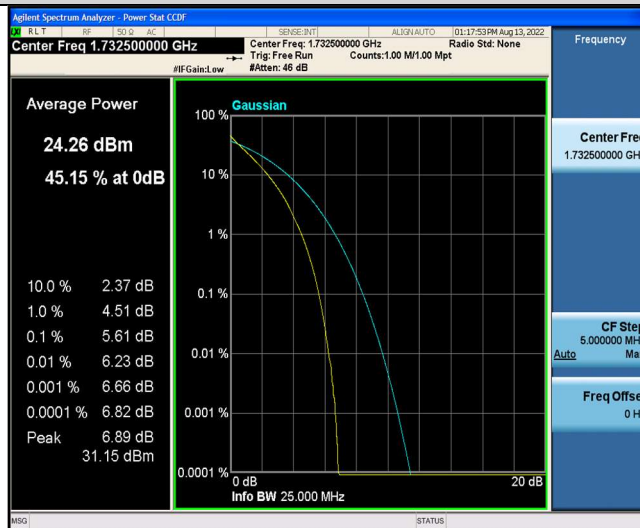
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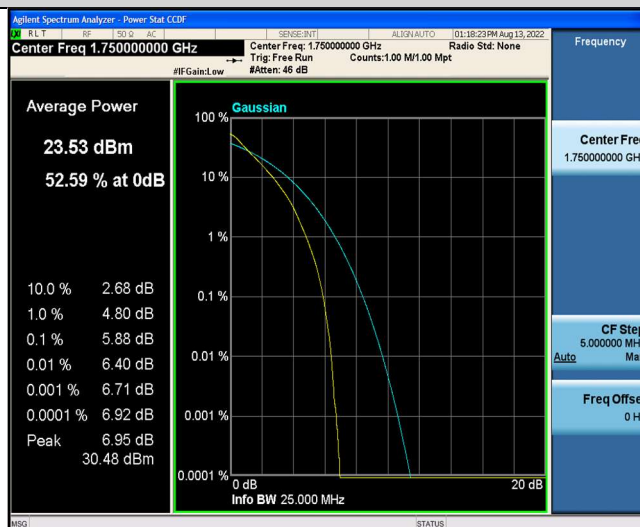
Band4-10MHz-QPSK-20000-50RB#0



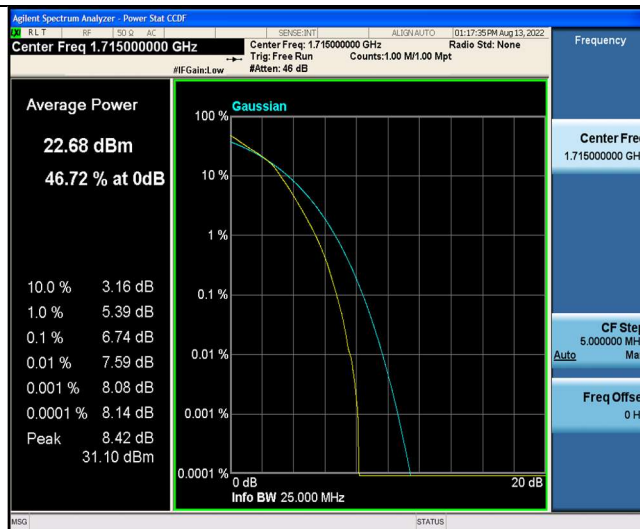
Band4-10MHz-QPSK-20175-50RB#0



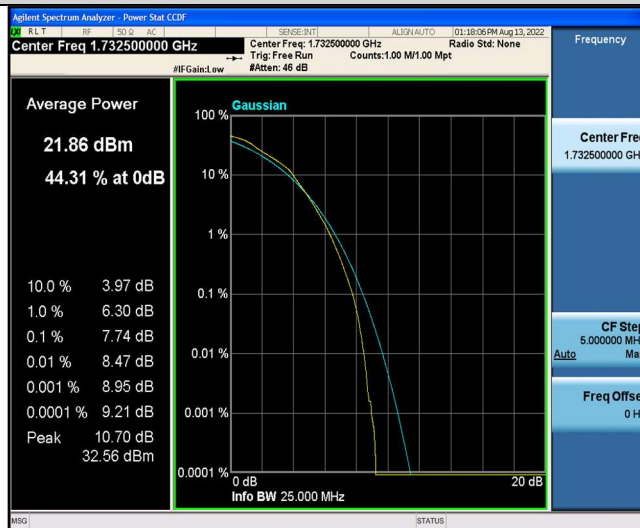
Band4-10MHz-QPSK-20350-50RB#0



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



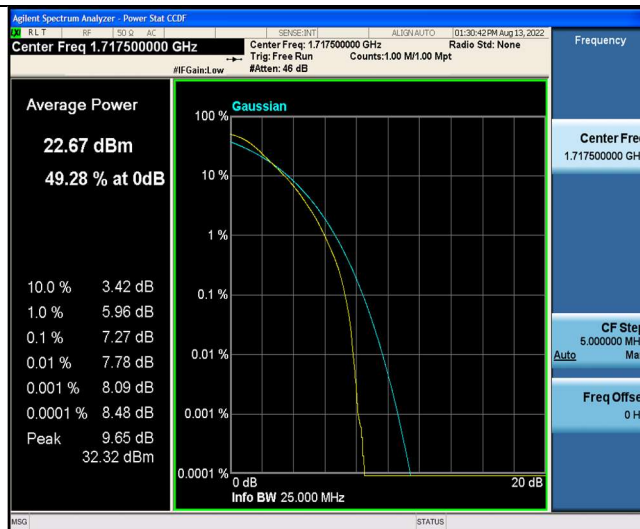
Band4-10MHz-16QAM-20175-50RB#0



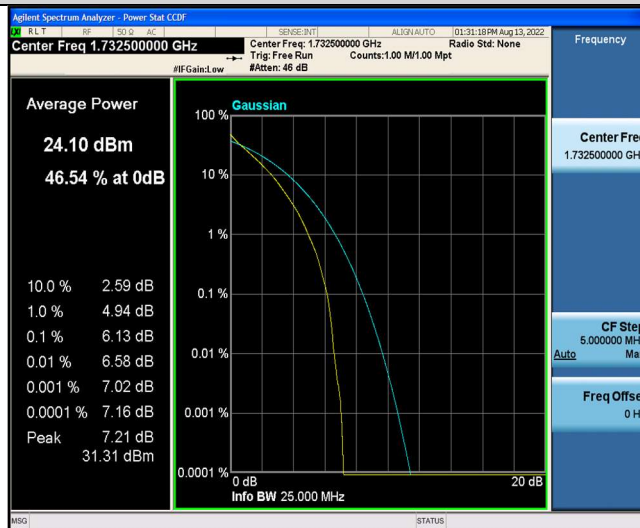
Band4-10MHz-16QAM-20350-50RB#0



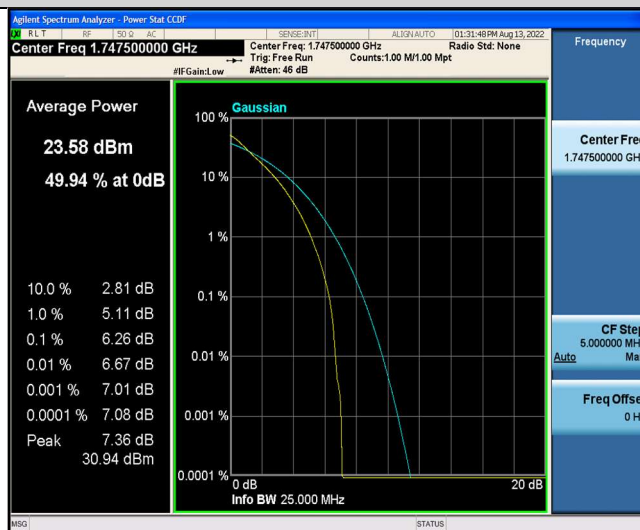
Band4-15MHz-QPSK-20025-75RB#0



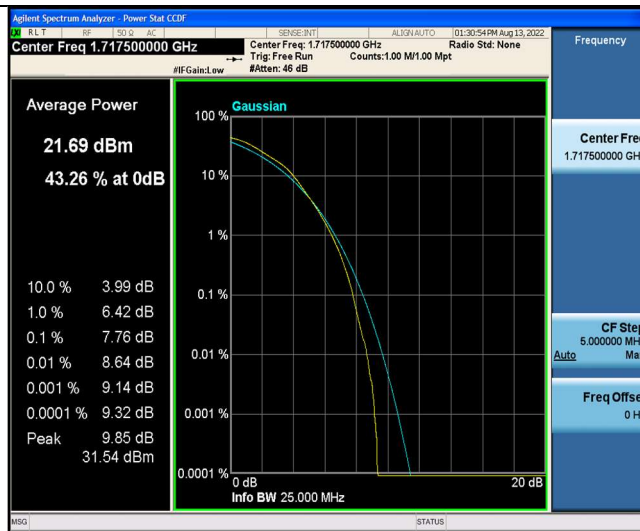
Band4-15MHz-QPSK-20175-75RB#0



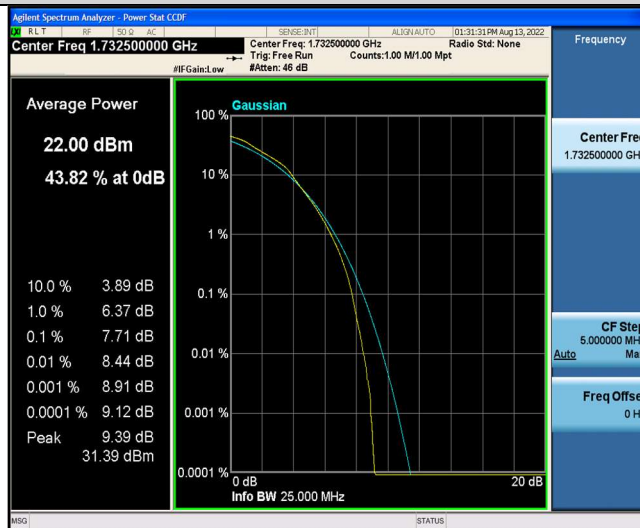
Band4-15MHz-QPSK-20325-75RB#0



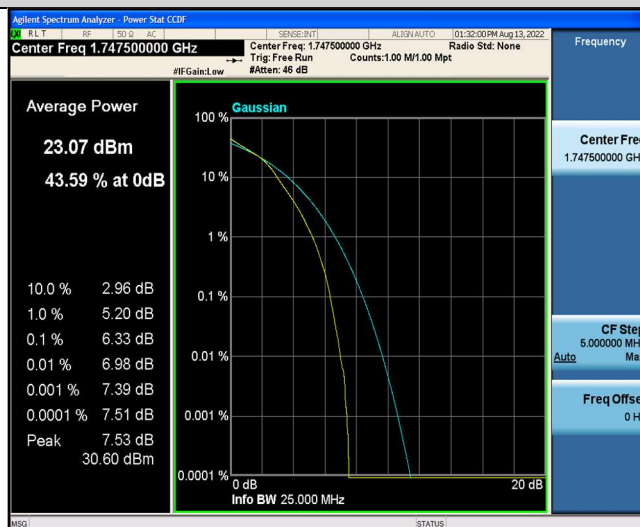
Band4-15MHz-16QAM-20025-75RB#0



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



Band4-15MHz-16QAM-20325-75RB#0



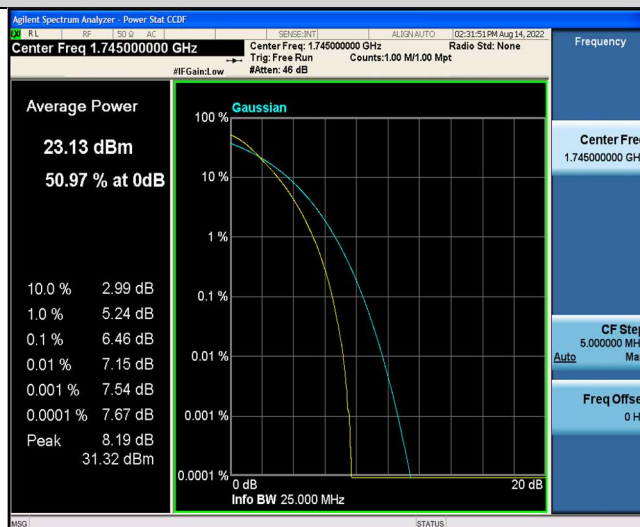
Band4-20MHz-QPSK-20050-100RB#0



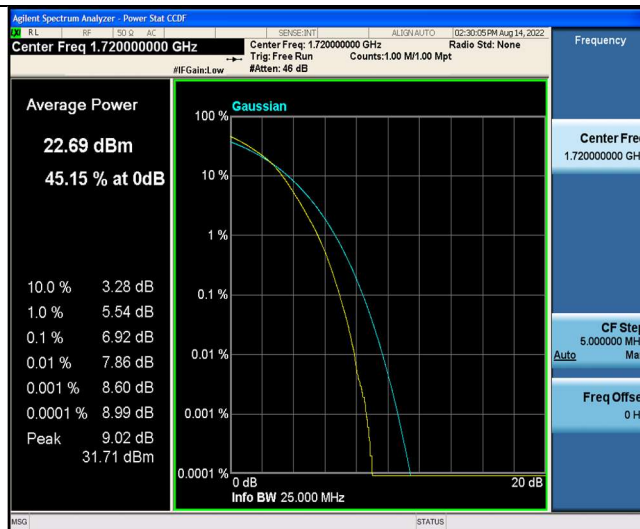
Band4-20MHz-QPSK-20175-100RB#0



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



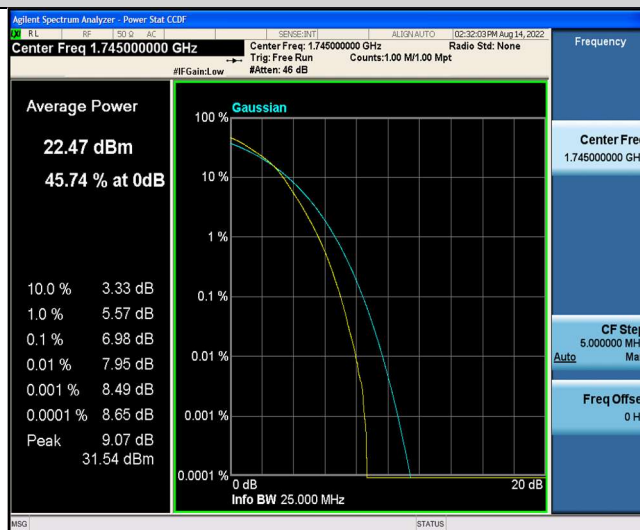
Band4-20MHz-16QAM-20050-100RB#0



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



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



Appendix C: 26dB Bandwidth and Occupied Bandwidth

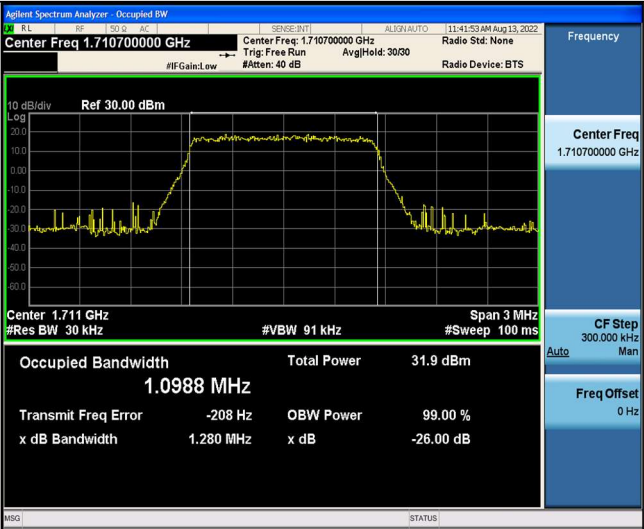
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.0988	1.280	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0943	1.300	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0941	1.285	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0936	1.281	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0862	1.274	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0951	1.307	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6881	2.901	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6845	2.908	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6886	2.884	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6816	2.902	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6846	2.897	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6783	2.907	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.4855	4.909	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5005	4.927	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5060	5.009	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.4975	4.945	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5093	5.021	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.4842	4.887	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9747	9.698	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9981	9.856	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9906	9.785	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9790	9.683	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9947	10.98	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9747	9.823	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.467	14.68	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.487	15.33	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.419	14.60	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.458	14.51	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.515	15.59	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.439	14.52	PASS

Band4	20MHz	QPSK	20050	100RB#0	17.947	19.20	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.984	19.67	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.909	19.32	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.991	19.34	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.966	19.38	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.926	19.42	PASS

Test Graphs

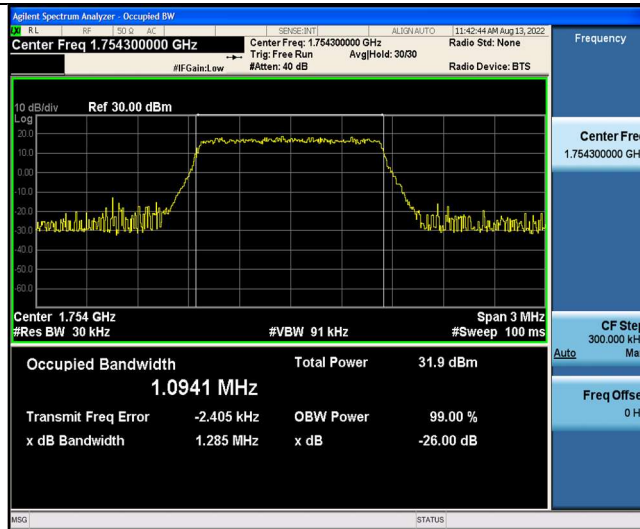
Band4-1.4MHz-QPSK-19957-6RB#0



Band4-1.4MHz-QPSK-20175-6RB#0



Band4-1.4MHz-QPSK-20393-6RB#0



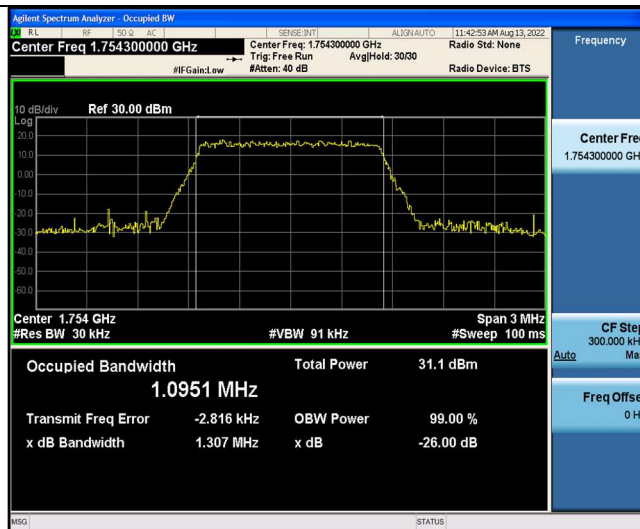
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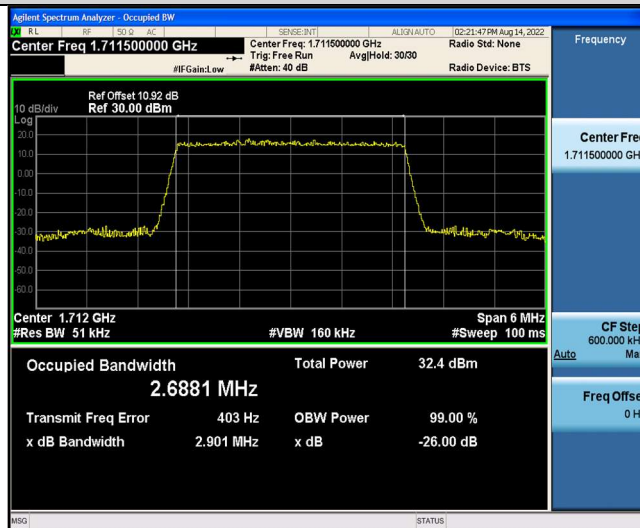
Band4-1.4MHz-16QAM-20175-6RB#0



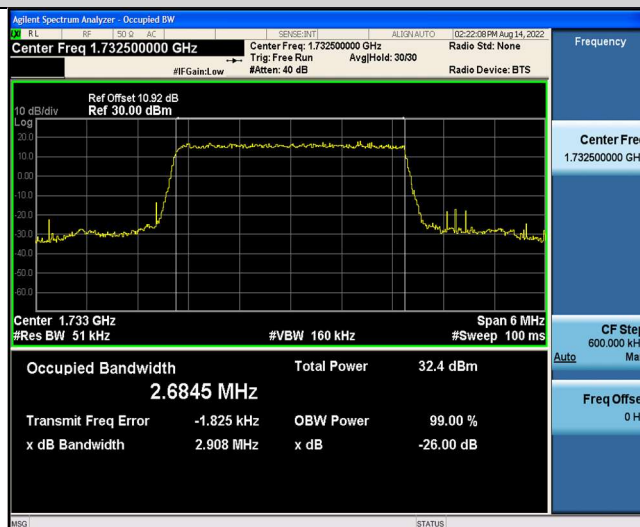
Band4-1.4MHz-16QAM-20393-6RB#0



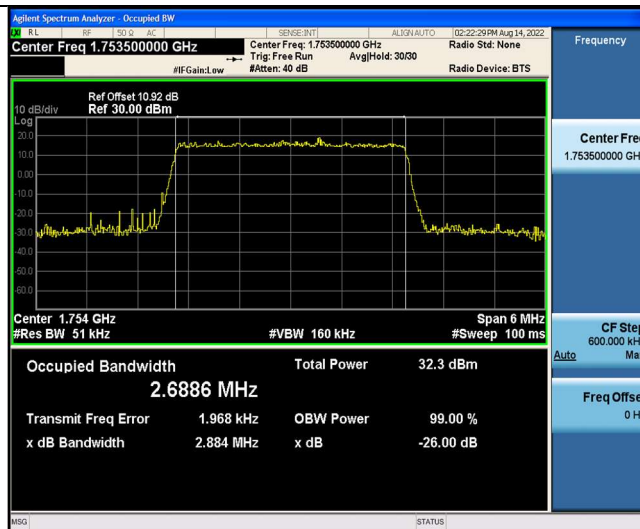
Band4-3MHz-QPSK-19965-15RB#0



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



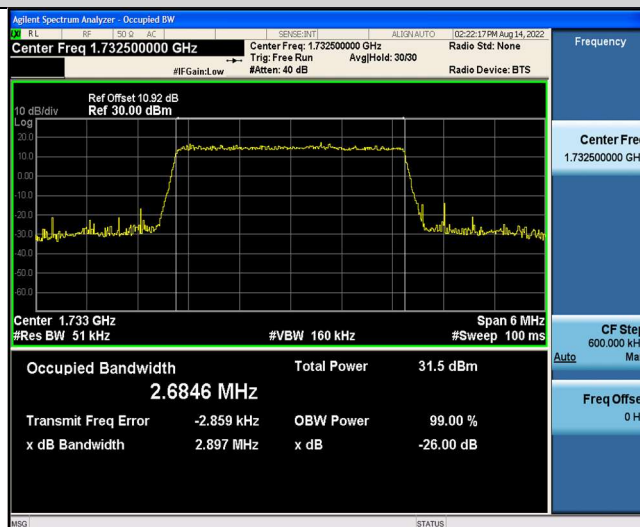
Band4-3MHz-QPSK-20385-15RB#0



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



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



Band4-3MHz-16QAM-20385-15RB#0