

FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	VL	NT	-5.45	-0.002178	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	VN	NT	-12.56	-0.005019	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	VH	NT	4.52	0.001806	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VL	NT	2.56	0.001010	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VN	NT	-12.03	-0.004746	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	VH	NT	-3.63	-0.001432	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VL	NT	-20.26	-0.007891	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VN	NT	-20.43	-0.007957	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	VH	NT	-13.68	-0.005328	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VL	NT	8.37	0.003345	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VN	NT	7.98	0.003189	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	VH	NT	5.51	0.002202	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VL	NT	10.51	0.004146	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VN	NT	6.51	0.002568	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	VH	NT	2.57	0.001014	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VL	NT	-4.08	-0.001589	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VN	NT	-10.73	-0.004179	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	VH	NT	-4.16	-0.001620	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VL	NT	-9.54	-0.003808	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VN	NT	-6.79	-0.002711	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	VH	NT	-3.88	-0.001549	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VL	NT	15.41	0.006079	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VN	NT	-3.79	-0.001495	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	VH	NT	-13.48	-0.005318	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VL	NT	-9.23	-0.003598	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VN	NT	-12.50	-0.004873	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	VH	NT	-3.15	-0.001228	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	VL	NT	-5.79	-0.002311	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	VN	NT	2.59	0.001034	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	VH	NT	3.99	0.001593	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	VL	NT	-13.48	-0.005318	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	VN	NT	5.21	0.002055	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	VH	NT	7.65	0.003018	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	VL	NT	6.25	0.002437	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	VN	NT	-8.71	-0.003396	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	VH	NT	3.93	0.001532	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VL	NT	-5.39	-0.002150	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VN	NT	8.23	0.003282	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	VH	NT	-8.85	-0.003529	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VL	NT	-3.30	-0.001302	±2.5	PASS



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Band7	15MHz	QPSK	21100	75RB#0	VN	NT	-6.41	-0.002529	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	VH	NT	-7.57	-0.002986	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VL	NT	11.62	0.004535	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VN	NT	-10.96	-0.004277	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	VH	NT	-9.16	-0.003575	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	VL	NT	-5.48	-0.002185	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	VN	NT	-12.02	-0.004794	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	VH	NT	-11.37	-0.004534	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	VL	NT	12.45	0.004911	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	VN	NT	-5.48	-0.002162	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	VH	NT	-14.46	-0.005704	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	VL	NT	3.09	0.001206	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	VN	NT	2.86	0.001116	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	VH	NT	-5.48	-0.002139	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VL	NT	-19.43	-0.007741	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VN	NT	-18.35	-0.007311	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	VH	NT	-14.03	-0.005590	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	13.88	0.005475	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	-3.26	-0.001286	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	-12.89	-0.005085	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VL	NT	-19.83	-0.007746	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VN	NT	13.18	0.005148	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	VH	NT	3.22	0.001258	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VL	NT	-15.41	-0.006139	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VN	NT	-18.25	-0.007271	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	VH	NT	-5.85	-0.002331	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VL	NT	-13.43	-0.005298	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VN	NT	-13.45	-0.005306	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	VH	NT	6.09	0.002402	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VL	NT	-7.21	-0.002816	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VN	NT	2.96	0.001156	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	VH	NT	3.69	0.001441	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	NV	-30	4.45	0.001778	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	-20	3.63	0.001451	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	0	-8.64	-0.003453	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	10	2.43	0.000971	±2.5	PASS
Band7	5MHz	QPSK	20775	25RB#0	NV	20	-7.00	-0.002797	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-30	-2.92	-0.001152	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	-20	10.49	0.004138	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	0	8.78	0.003464	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	10	-8.60	-0.003393	±2.5	PASS
Band7	5MHz	QPSK	21100	25RB#0	NV	20	-14.08	-0.005554	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-30	-24.00	-0.009348	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	-20	-16.35	-0.006368	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	0	-15.68	-0.006107	±2.5	PASS



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Band7	5MHz	QPSK	21425	25RB#0	NV	10	-11.40	-0.004440	±2.5	PASS
Band7	5MHz	QPSK	21425	25RB#0	NV	20	-13.52	-0.005266	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-30	9.61	0.003840	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	-20	4.25	0.001698	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	0	7.68	0.003069	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	10	-7.64	-0.003053	±2.5	PASS
Band7	5MHz	16QAM	20775	25RB#0	NV	20	-2.89	-0.001155	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-30	14.16	0.005586	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	-20	7.91	0.003120	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	0	-8.23	-0.003247	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	10	-10.97	-0.004327	±2.5	PASS
Band7	5MHz	16QAM	21100	25RB#0	NV	20	-15.15	-0.005976	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-30	-13.56	-0.005281	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	-20	-18.51	-0.007209	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	0	-18.58	-0.007237	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	10	-14.20	-0.005531	±2.5	PASS
Band7	5MHz	16QAM	21425	25RB#0	NV	20	-13.20	-0.005141	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-30	6.52	0.002603	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	-20	4.85	0.001936	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	0	3.98	0.001589	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	10	8.74	0.003489	±2.5	PASS
Band7	10MHz	QPSK	20800	50RB#0	NV	20	-11.52	-0.004599	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-30	8.03	0.003168	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	-20	-6.71	-0.002647	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	0	16.31	0.006434	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	10	5.22	0.002059	±2.5	PASS
Band7	10MHz	QPSK	21100	50RB#0	NV	20	-13.10	-0.005168	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-30	-7.05	-0.002749	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	-20	3.10	0.001209	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	0	-2.70	-0.001053	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	10	9.16	0.003571	±2.5	PASS
Band7	10MHz	QPSK	21400	50RB#0	NV	20	8.77	0.003419	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	-30	5.72	0.002283	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	-20	6.39	0.002551	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	0	-3.52	-0.001405	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	10	6.71	0.002679	±2.5	PASS
Band7	10MHz	16QAM	20800	50RB#0	NV	20	-6.14	-0.002451	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	-30	-10.03	-0.003957	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	-20	9.41	0.003712	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	0	-5.59	-0.002205	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	10	-10.71	-0.004225	±2.5	PASS
Band7	10MHz	16QAM	21100	50RB#0	NV	20	11.82	0.004663	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	-30	5.78	0.002253	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	-20	6.67	0.002600	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	0	7.17	0.002795	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	10	-7.47	-0.002912	±2.5	PASS
Band7	10MHz	16QAM	21400	50RB#0	NV	20	-8.44	-0.003290	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-30	4.63	0.001846	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	-20	-10.93	-0.004359	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	0	5.42	0.002162	±2.5	PASS



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Band7	15MHz	QPSK	20825	75RB#0	NV	10	-10.73	-0.004279	±2.5	PASS
Band7	15MHz	QPSK	20825	75RB#0	NV	20	3.23	0.001288	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-30	-11.53	-0.004548	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	-20	9.90	0.003905	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	0	-5.42	-0.002138	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	10	-15.18	-0.005988	±2.5	PASS
Band7	15MHz	QPSK	21100	75RB#0	NV	20	-10.29	-0.004059	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-30	6.65	0.002595	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	-20	-10.24	-0.003996	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	0	-11.53	-0.004500	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	10	5.64	0.002201	±2.5	PASS
Band7	15MHz	QPSK	21375	75RB#0	NV	20	-12.60	-0.004917	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	-30	-10.61	-0.004231	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	-20	7.61	0.003035	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	0	-9.63	-0.003840	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	10	-12.32	-0.004913	±2.5	PASS
Band7	15MHz	16QAM	20825	75RB#0	NV	20	6.87	0.002740	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	-30	-5.15	-0.002032	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	-20	-16.54	-0.006525	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	0	9.71	0.003830	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	10	9.70	0.003826	±2.5	PASS
Band7	15MHz	16QAM	21100	75RB#0	NV	20	-17.09	-0.006742	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	-30	-6.92	-0.002700	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	-20	-3.03	-0.001182	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	0	2.26	0.000882	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	10	9.56	0.003731	±2.5	PASS
Band7	15MHz	16QAM	21375	75RB#0	NV	20	7.37	0.002876	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	-23.03	-0.009175	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	-23.15	-0.009223	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	-17.28	-0.006884	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	-16.02	-0.006382	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	-5.06	-0.002016	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	6.14	0.002422	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-4.58	-0.001807	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	11.27	0.004446	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	-4.94	-0.001949	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	9.60	0.003787	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	11.52	0.004500	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	12.45	0.004863	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	3.89	0.001520	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	3.29	0.001285	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	-10.71	-0.004184	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-30	-3.93	-0.001566	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	-20	-9.67	-0.003853	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	0	-5.18	-0.002064	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	10	-15.42	-0.006143	±2.5	PASS
Band7	20MHz	16QAM	20850	100RB#0	NV	20	-18.01	-0.007175	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-30	-7.91	-0.003120	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	-20	-12.32	-0.004860	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	0	-10.61	-0.004185	±2.5	PASS



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Band7	20MHz	16QAM	21100	100RB#0	NV	10	-22.46	-0.008860	±2.5	PASS
Band7	20MHz	16QAM	21100	100RB#0	NV	20	-4.23	-0.001669	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-30	10.87	0.004246	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	-20	-5.15	-0.002012	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	0	-12.59	-0.004918	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	10	15.76	0.006156	±2.5	PASS
Band7	20MHz	16QAM	21350	100RB#0	NV	20	-5.46	-0.002133	±2.5	PASS

LTE BAND12

PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	4.08	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.65	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.05	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.56	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.09	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.74	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.91	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.46	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.95	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.33	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	5.94	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	6.50	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	3.77	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.60	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	3.75	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.45	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	3.80	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.69	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.84	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.48	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.79	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.30	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.86	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	6.50	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	3.73	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.81	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	3.81	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.52	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	3.79	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.90	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.61	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.55	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.84	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.30	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.64	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.59	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	3.96	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.71	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	3.86	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.36	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	3.78	13	PASS



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Test Report No.: W7L-211220W001RF03

Band12	10MHz	QPSK	23130	50RB#0	5.54	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.84	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.50	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.86	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.22	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.61	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.36	13	PASS

Test Graphs

Band12-1.4MHz-QPSK-23017-1RB#0



Band12-1.4MHz-QPSK-23017-6RB#0

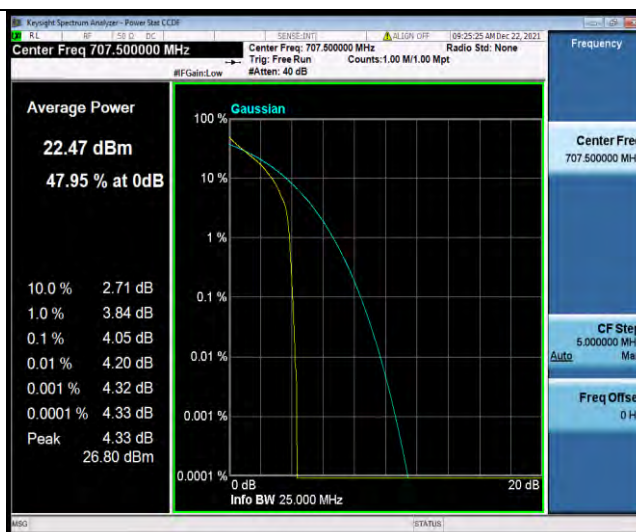


Band12-1.4MHz-QPSK-23095-1RB#0

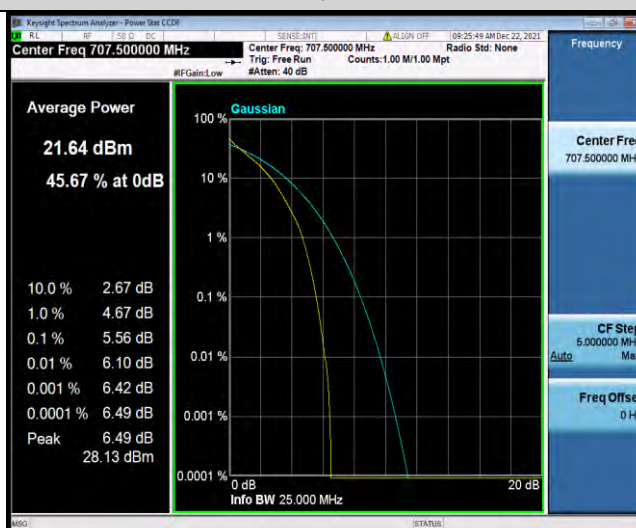


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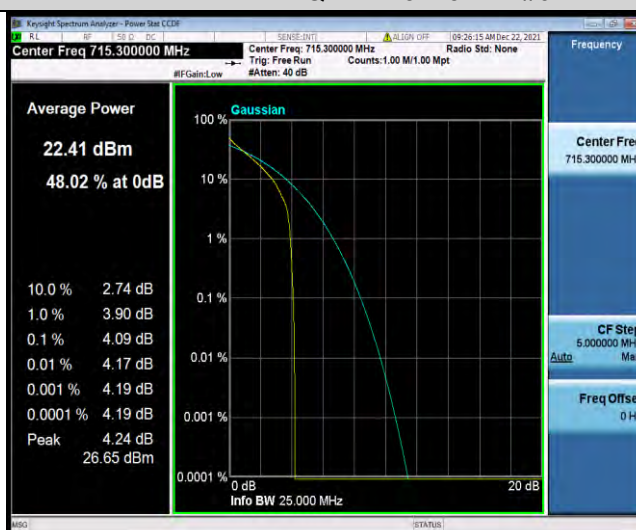
Test Report No.: W7L-211220W001RF03



Band12-1.4MHz-QPSK-23095-6RB#0



Band12-1.4MHz-QPSK-23173-1RB#0

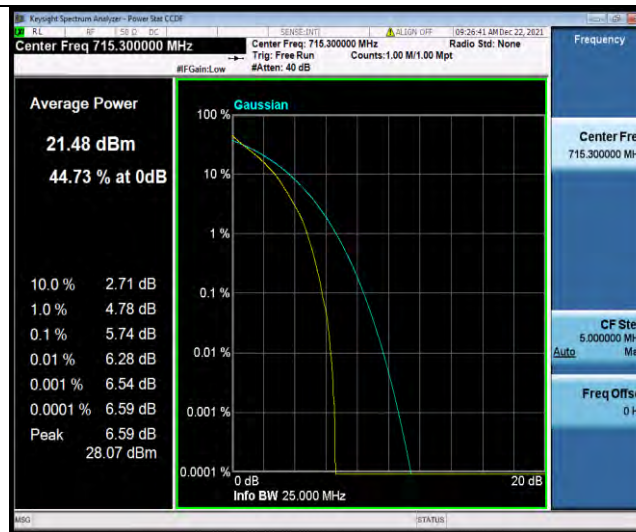


Band12-1.4MHz-QPSK-23173-6RB#0

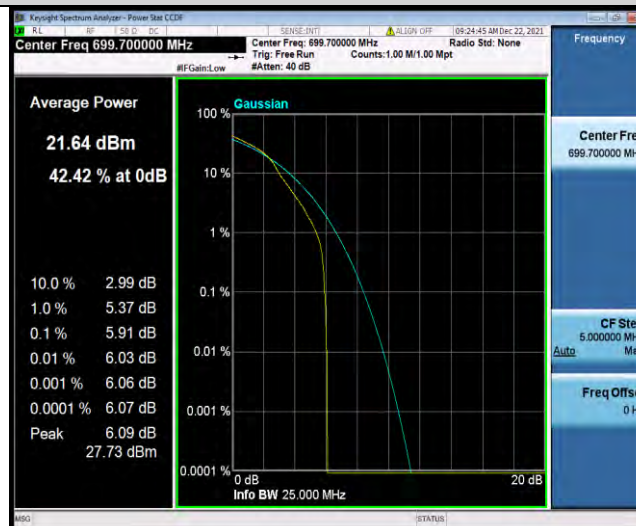


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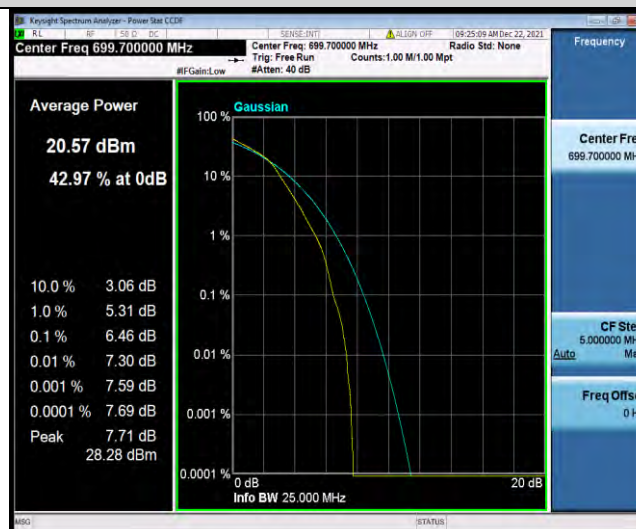
Test Report No.: W7L-211220W001RF03



Band12-1.4MHz-16QAM-23017-1RB#0



Band12-1.4MHz-16QAM-23017-6RB#0

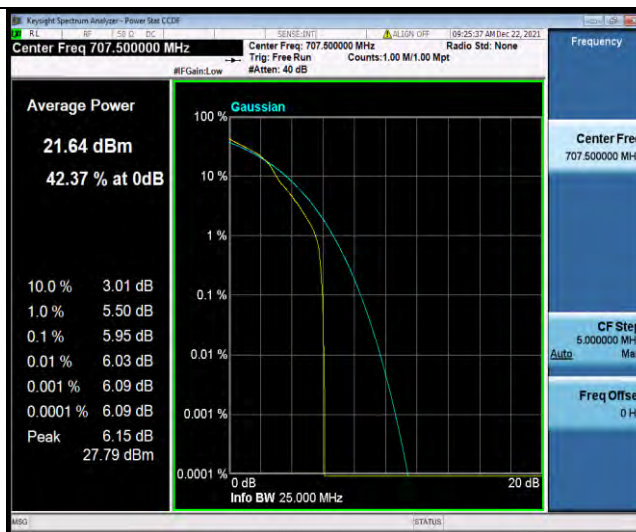


Band12-1.4MHz-16QAM-23095-1RB#0

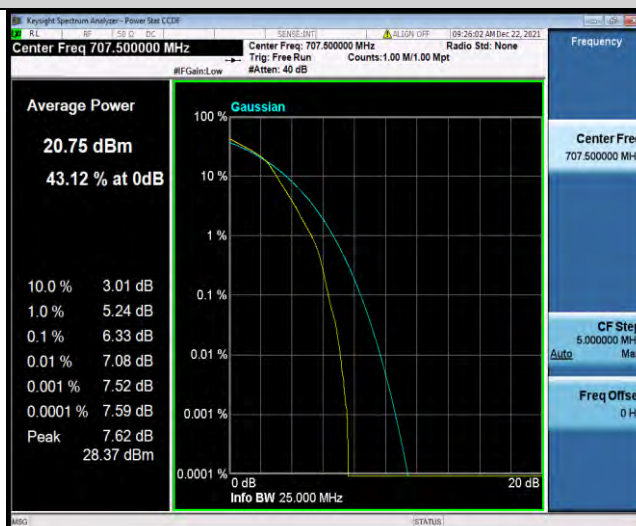


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VERITAS

Test Report No.: W7L-211220W001RF03



Band12-1.4MHz-16QAM-23095-6RB#0



Band12-1.4MHz-16QAM-23173-1RB#0



Band12-1.4MHz-16QAM-23173-6RB#0

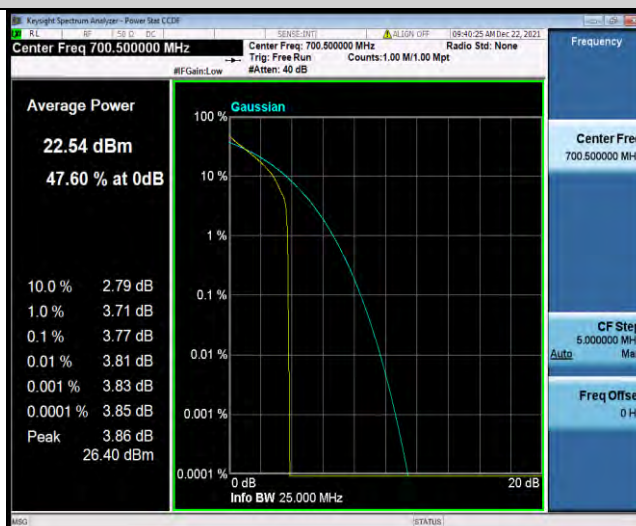


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VERITAS

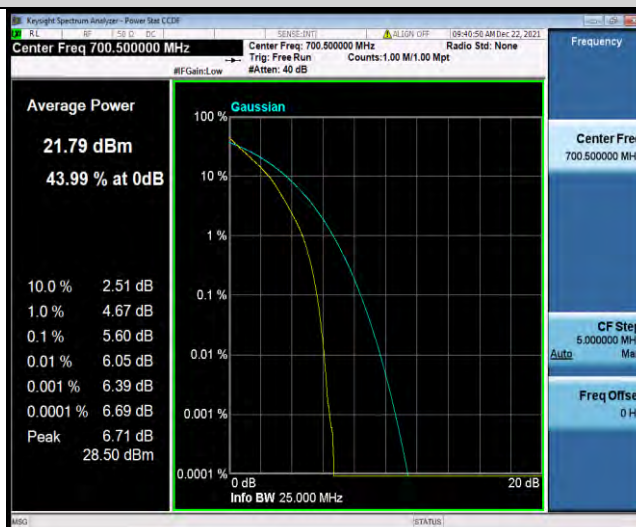
Test Report No.: W7L-211220W001RF03



Band12-3MHz-QPSK-23025-1RB#0



Band12-3MHz-QPSK-23025-15RB#0



Band12-3MHz-QPSK-23095-1RB#0

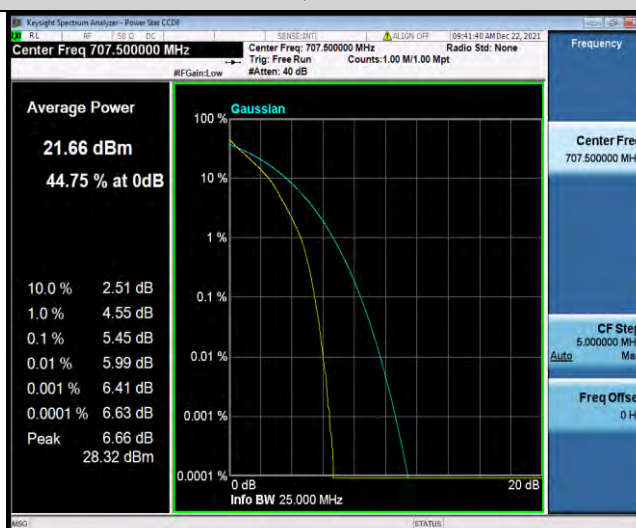


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VERITAS

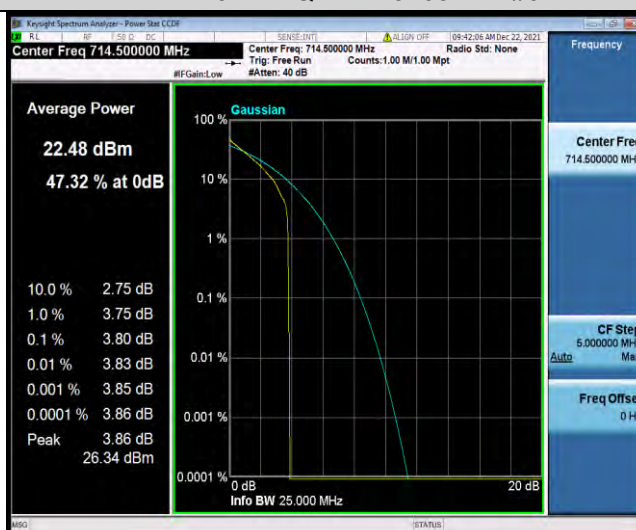
Test Report No.: W7L-211220W001RF03



Band12-3MHz-QPSK-23095-15RB#0



Band12-3MHz-QPSK-23165-1RB#0

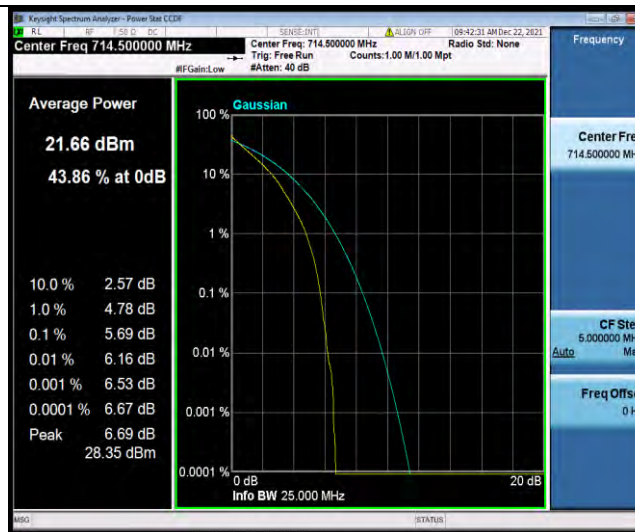


Band12-3MHz-QPSK-23165-15RB#0

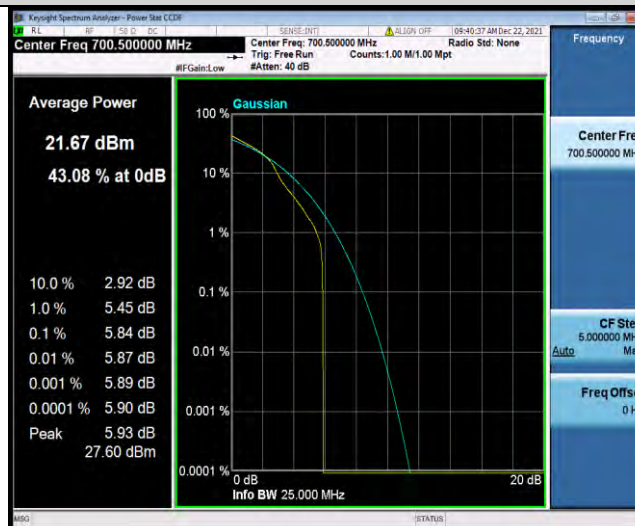


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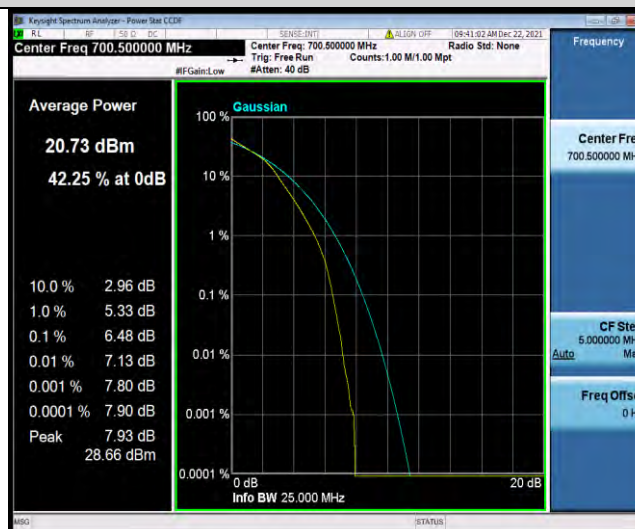
Test Report No.: W7L-211220W001RF03



Band12-3MHz-16QAM-23025-1RB#0



Band12-3MHz-16QAM-23025-15RB#0



Band12-3MHz-16QAM-23095-1RB#0

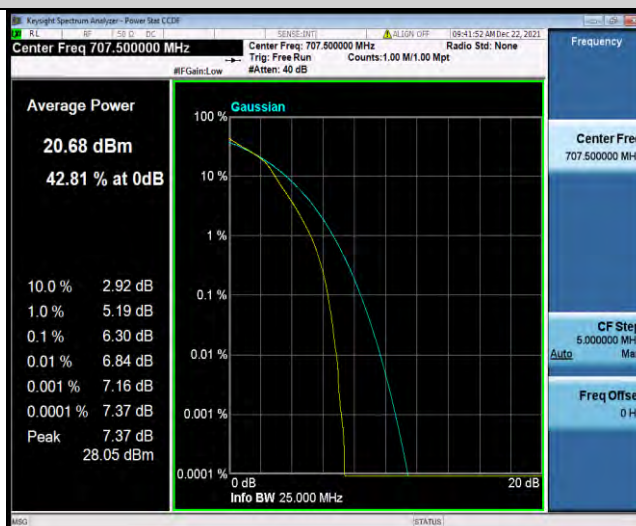


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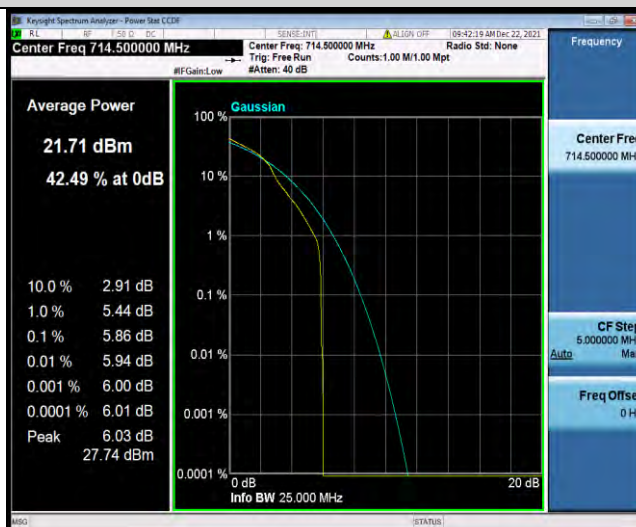
Test Report No.: W7L-211220W001RF03



Band12-3MHz-16QAM-23095-15RB#0



Band12-3MHz-16QAM-23165-1RB#0



Band12-3MHz-16QAM-23165-15RB#0



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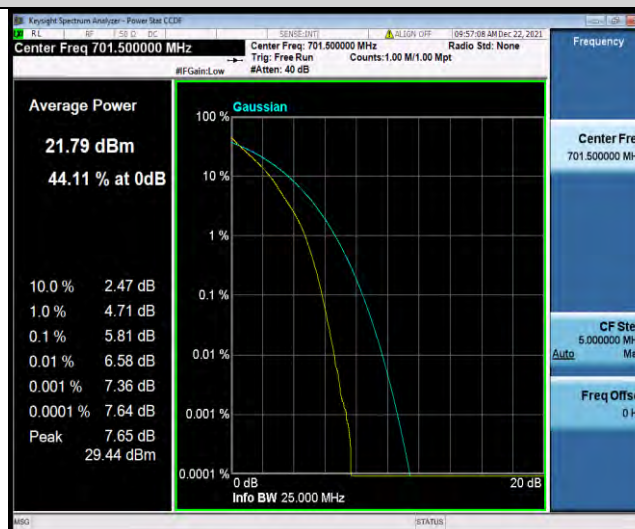
Test Report No.: W7L-211220W001RF03



Band12-5MHz-QPSK-23035-1RB#0



Band12-5MHz-QPSK-23035-25RB#0

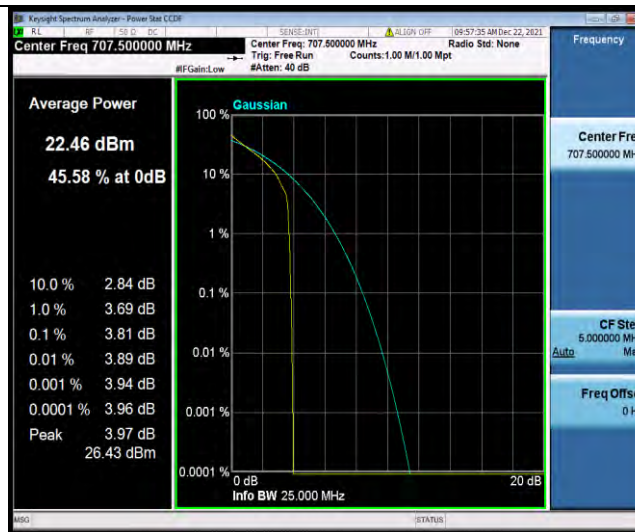


Band12-5MHz-QPSK-23095-1RB#0

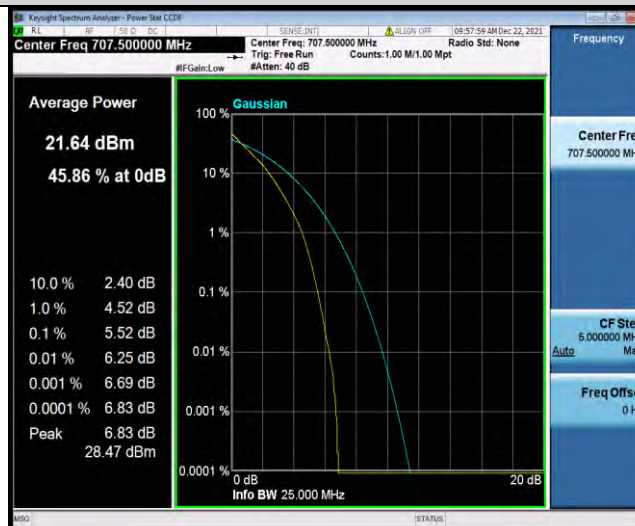


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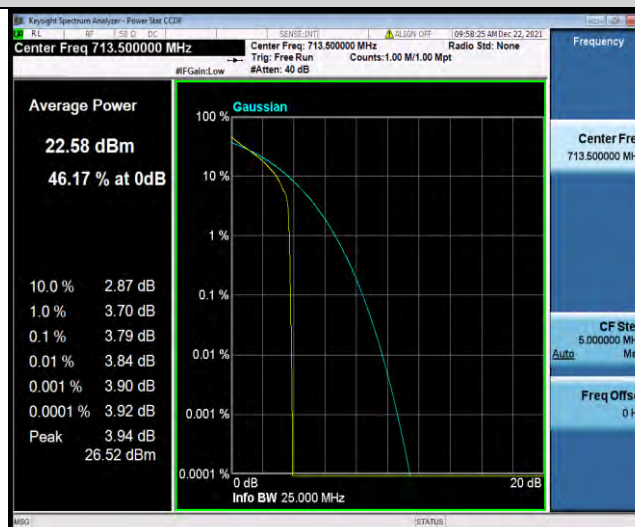
Test Report No.: W7L-211220W001RF03



Band12-5MHz-QPSK-23095-25RB#0



Band12-5MHz-QPSK-23155-1RB#0



Band12-5MHz-QPSK-23155-25RB#0

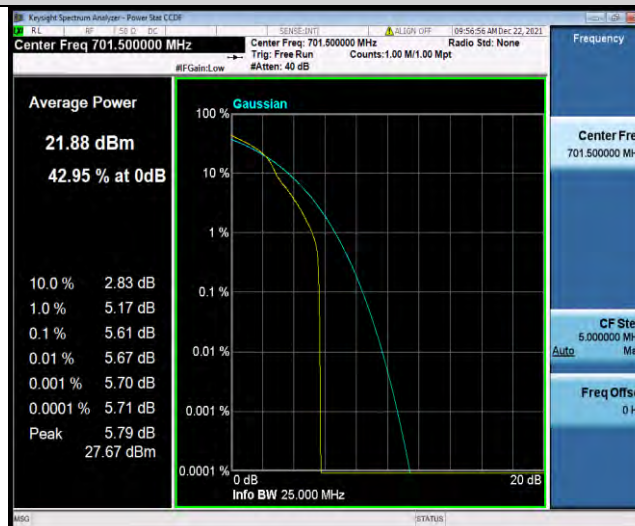


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VERITAS

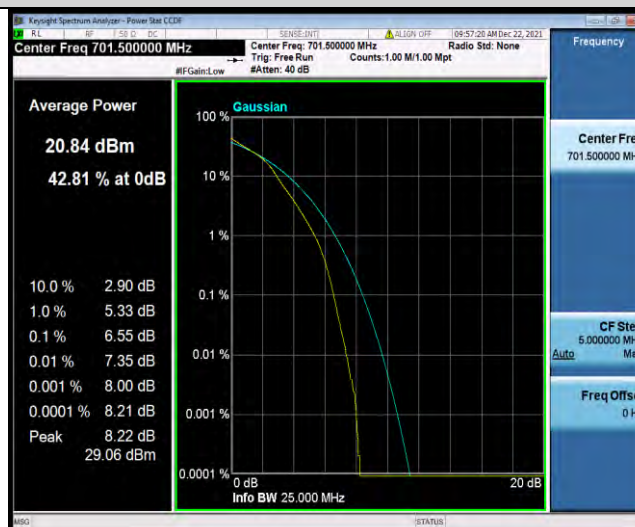
Test Report No.: W7L-211220W001RF03



Band12-5MHz-16QAM-23035-1RB#0



Band12-5MHz-16QAM-23035-25RB#0

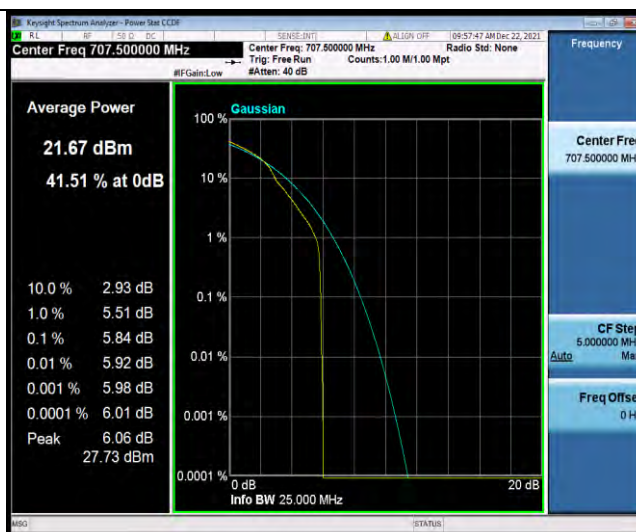


Band12-5MHz-16QAM-23095-1RB#0



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VERITAS

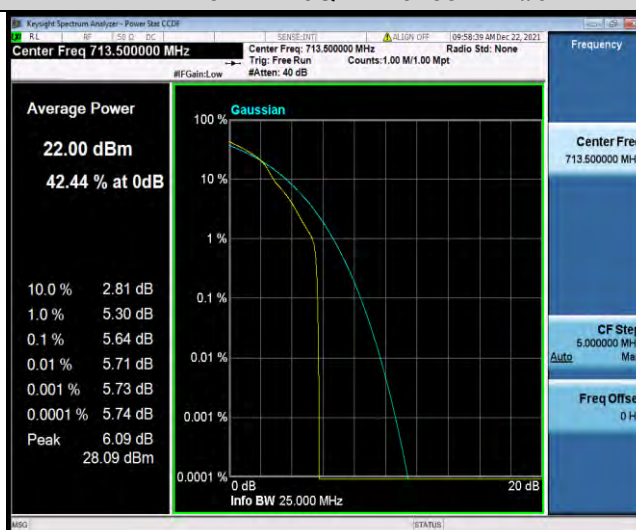
Test Report No.: W7L-211220W001RF03



Band12-5MHz-16QAM-23095-25RB#0



Band12-5MHz-16QAM-23155-1RB#0



Band12-5MHz-16QAM-23155-25RB#0

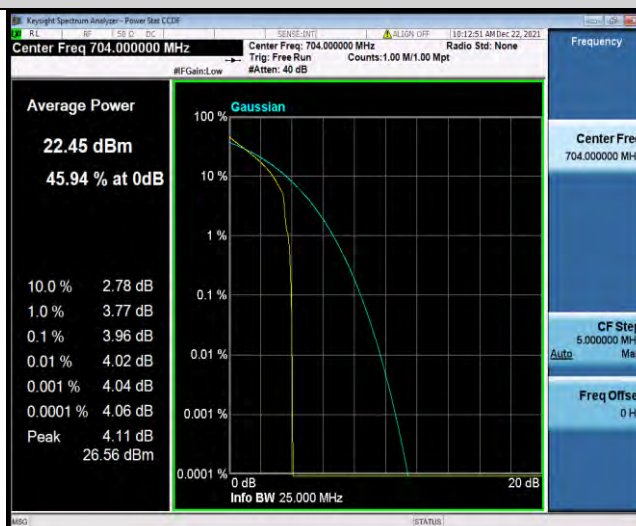


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VERITAS

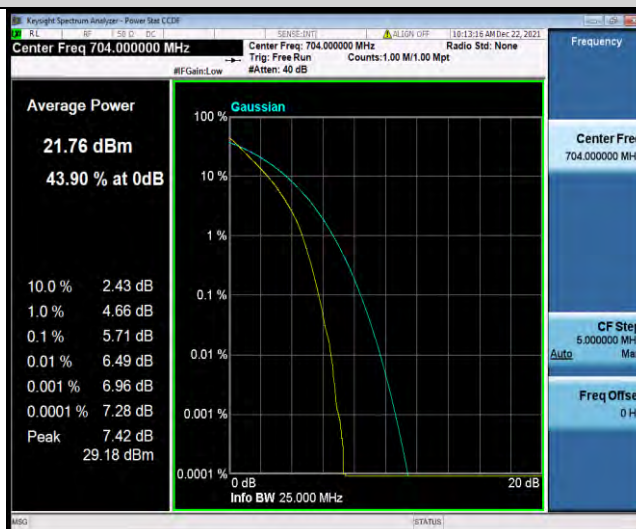
Test Report No.: W7L-211220W001RF03



Band12-10MHz-QPSK-23060-1RB#0



Band12-10MHz-QPSK-23060-50RB#0

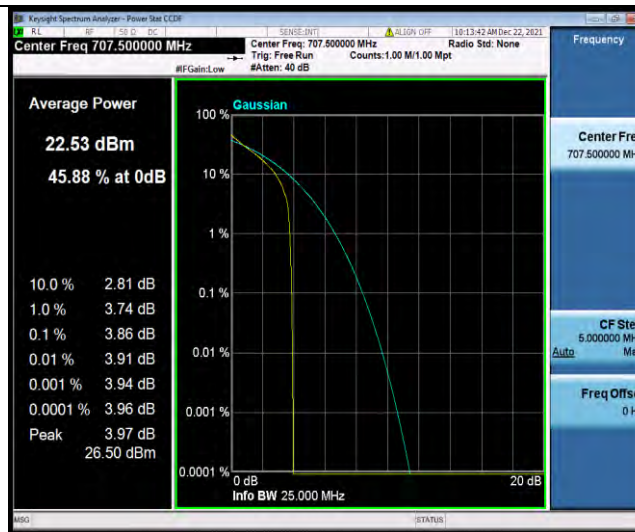


Band12-10MHz-QPSK-23095-1RB#0

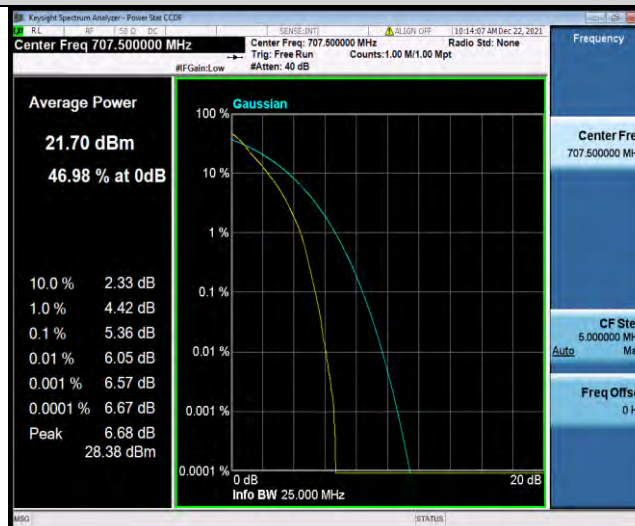


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VERITAS

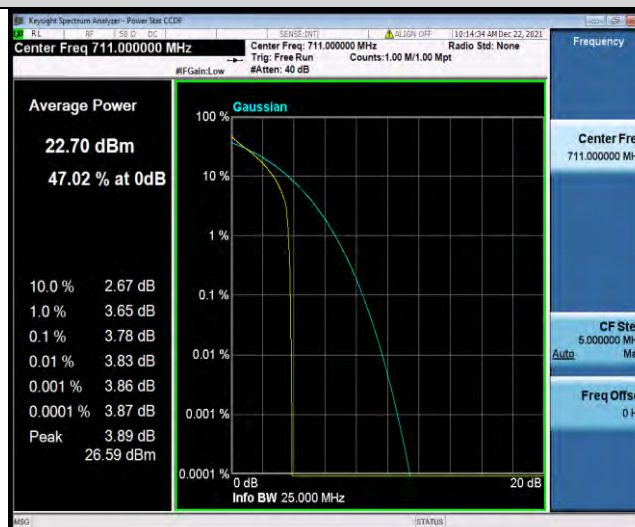
Test Report No.: W7L-211220W001RF03



Band12-10MHz-QPSK-23095-50RB#0



Band12-10MHz-QPSK-23130-1RB#0

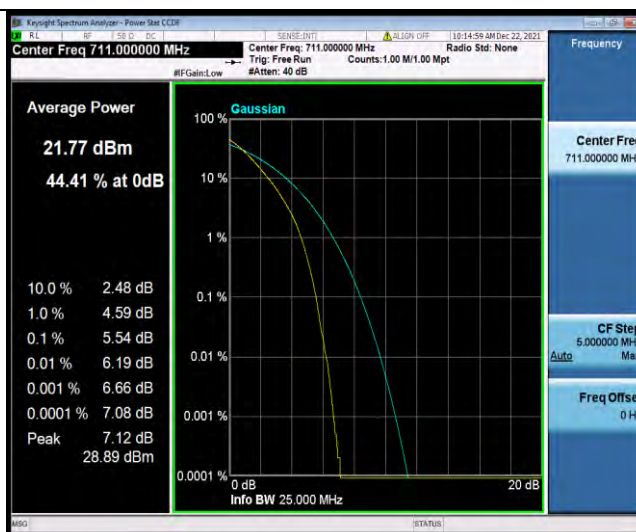


Band12-10MHz-QPSK-23130-50RB#0

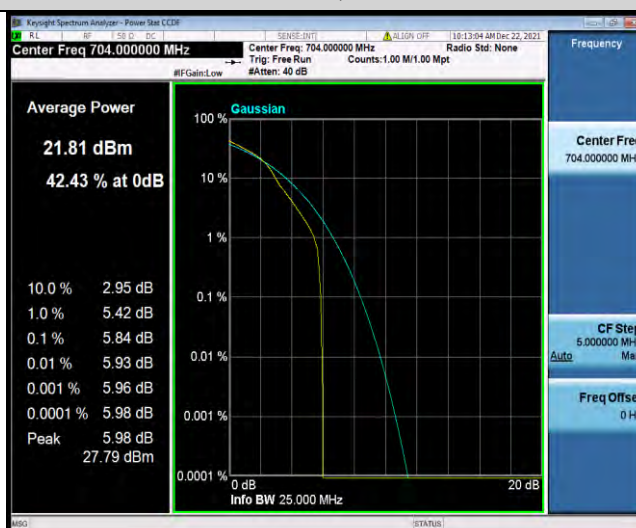


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VERITAS

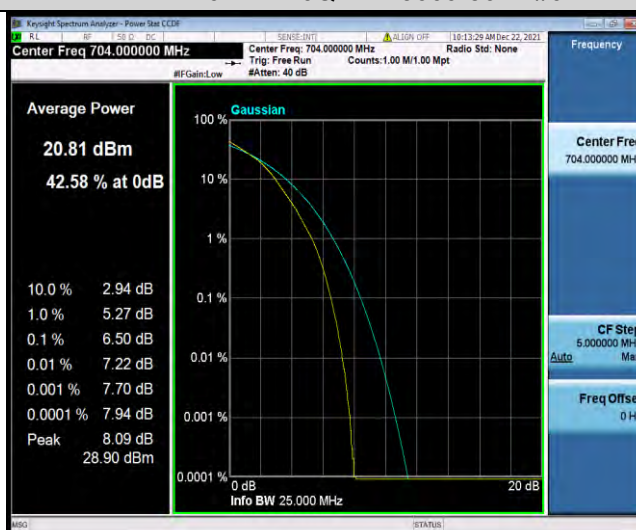
Test Report No.: W7L-211220W001RF03



Band12-10MHz-16QAM-23060-1RB#0



Band12-10MHz-16QAM-23060-50RB#0

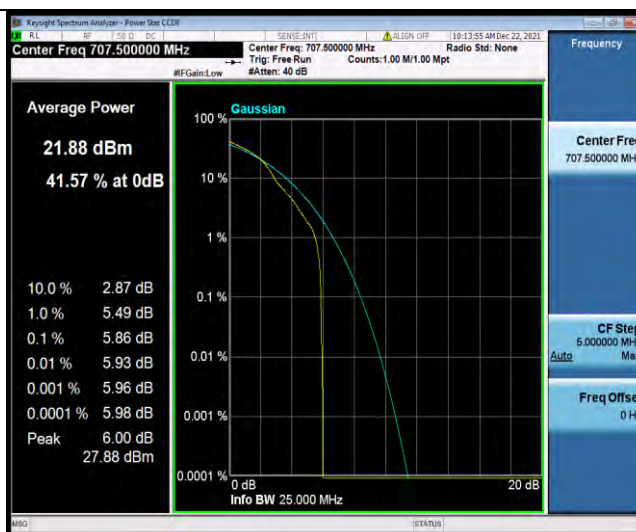


Band12-10MHz-16QAM-23095-1RB#0

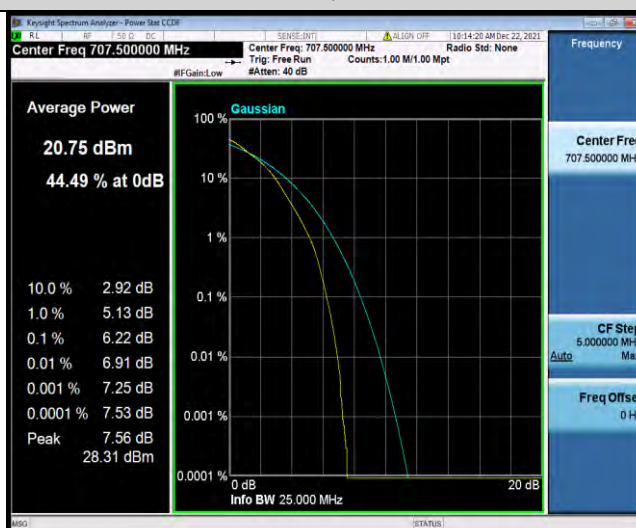


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VERITAS

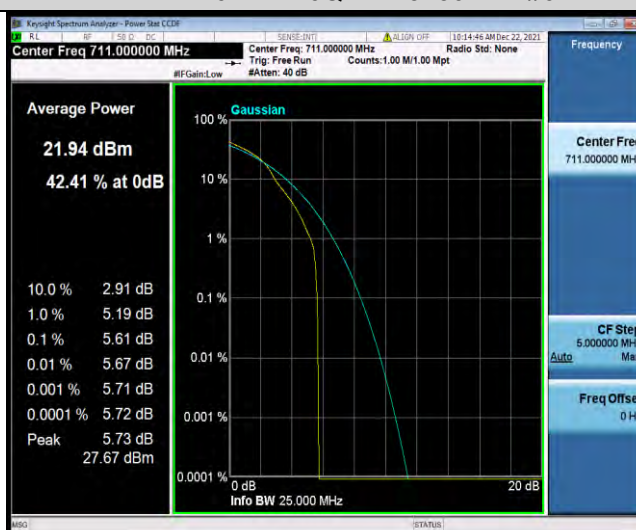
Test Report No.: W7L-211220W001RF03



Band12-10MHz-16QAM-23095-50RB#0



Band12-10MHz-16QAM-23130-1RB#0

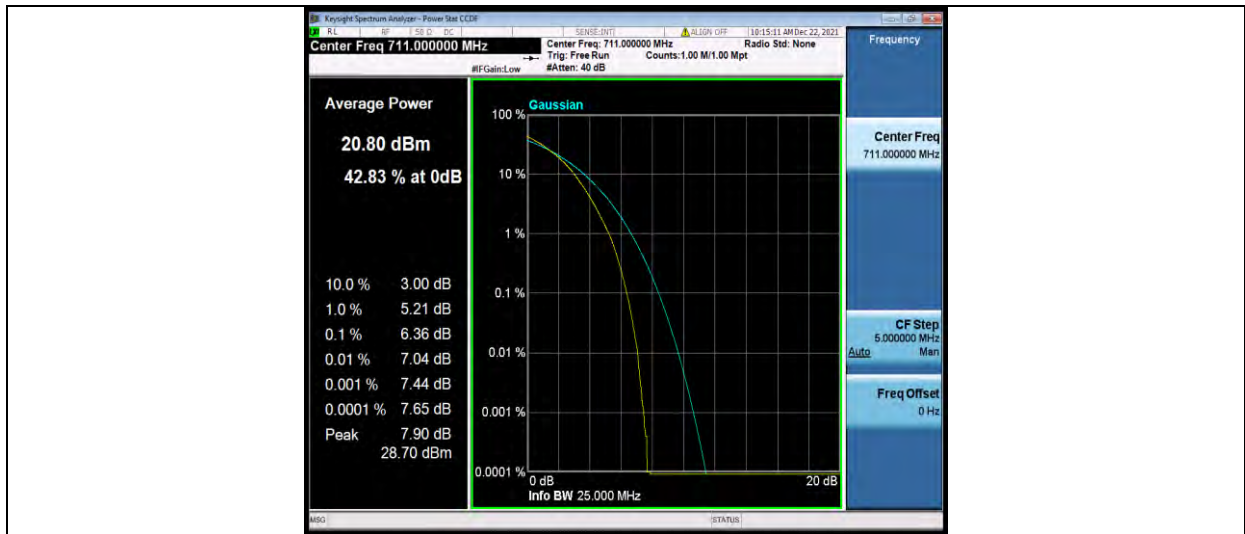


Band12-10MHz-16QAM-23130-50RB#0



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VERITAS

Test Report No.: W7L-211220W001RF03

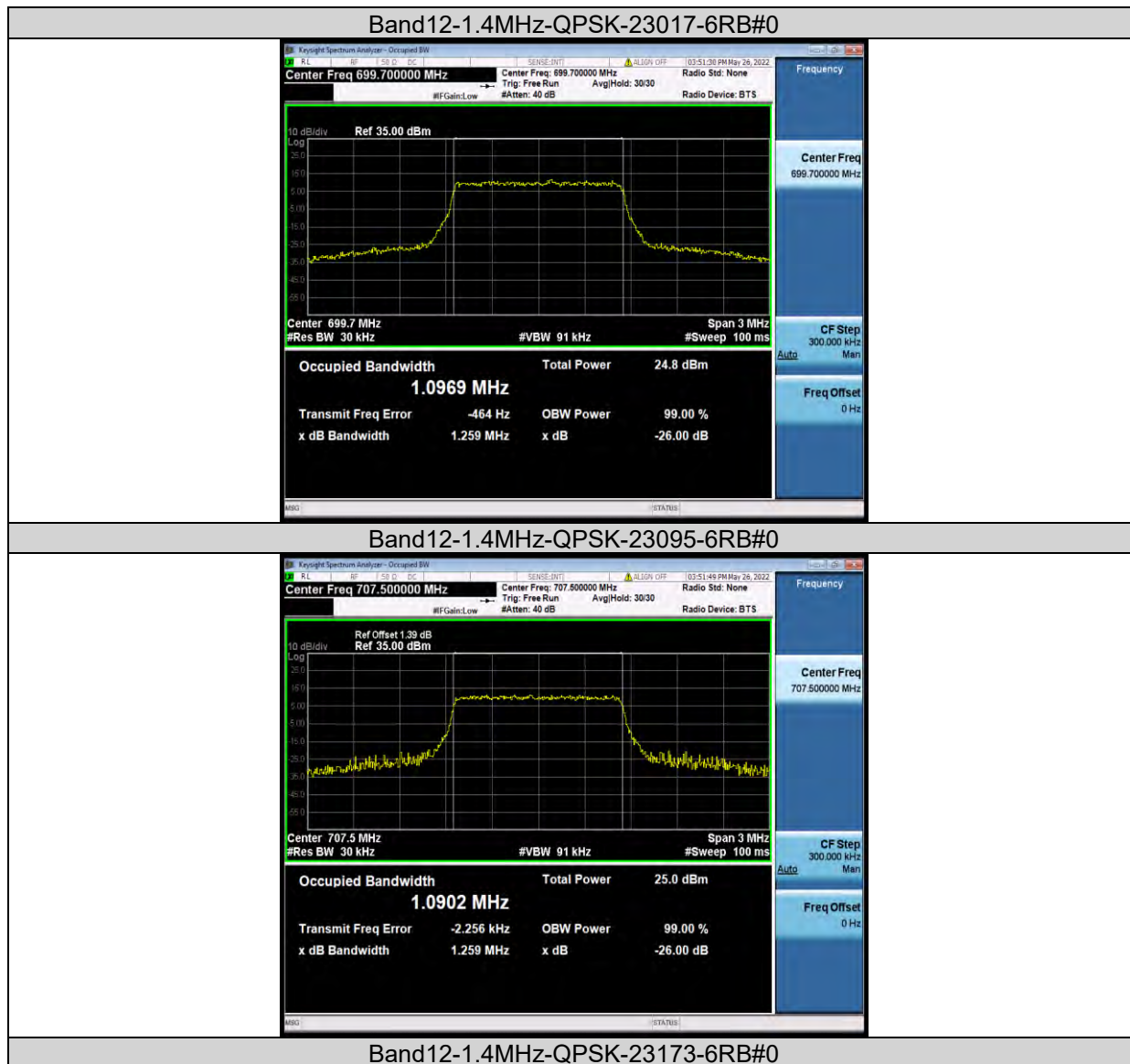


26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0969	1.259	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0902	1.259	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0947	1.269	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0872	1.259	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0896	1.271	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0911	1.262	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6949	2.899	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6935	2.903	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6941	2.903	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6890	2.928	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6872	2.923	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.7014	2.897	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.5117	4.867	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.4901	4.845	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5231	4.860	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5119	4.837	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.4935	4.842	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5192	4.862	PASS
Band12	10MHz	QPSK	23060	50RB#0	9.0127	9.539	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9436	9.516	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9616	9.507	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9976	9.554	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9385	9.473	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9667	9.495	PASS

Test Graphs





Band12-1.4MHz-16QAM-23017-6RB#0



Band12-1.4MHz-16QAM-23095-6RB#0



Band12-1.4MHz-16QAM-23173-6RB#0



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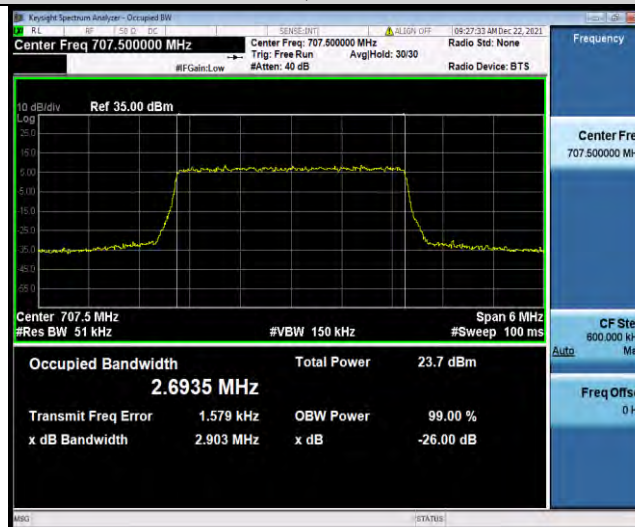
Test Report No.: W7L-211220W001RF03



Band12-3MHz-QPSK-23025-15RB#0



Band12-3MHz-QPSK-23095-15RB#0

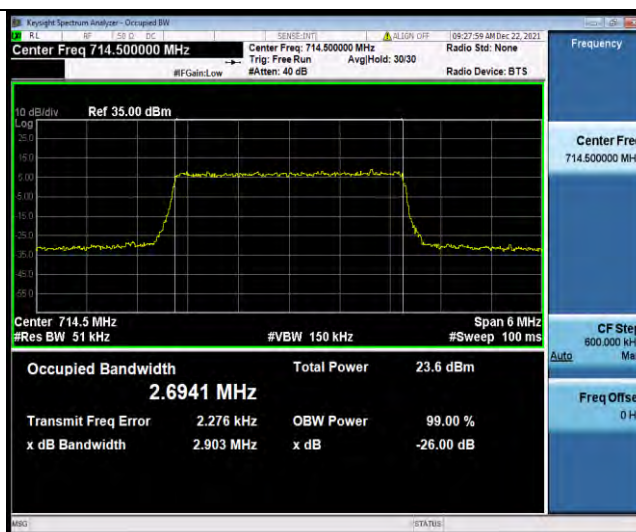


Band12-3MHz-QPSK-23165-15RB#0



BUREAU
VERITAS

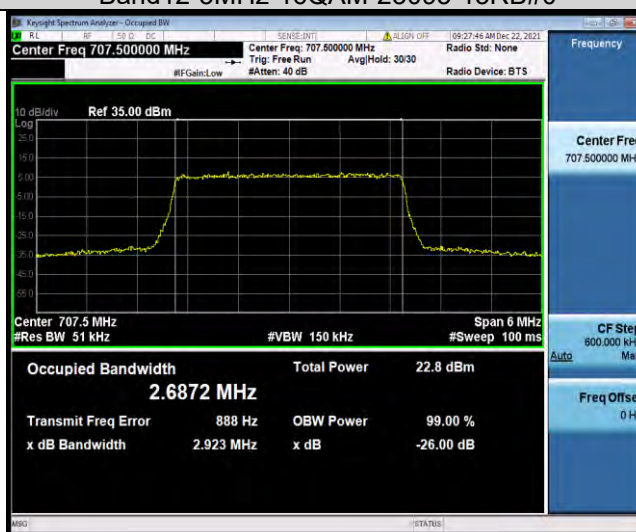
Test Report No.: W7L-211220W001RF03



Band12-3MHz-16QAM-23025-15RB#0



Band12-3MHz-16QAM-23095-15RB#0

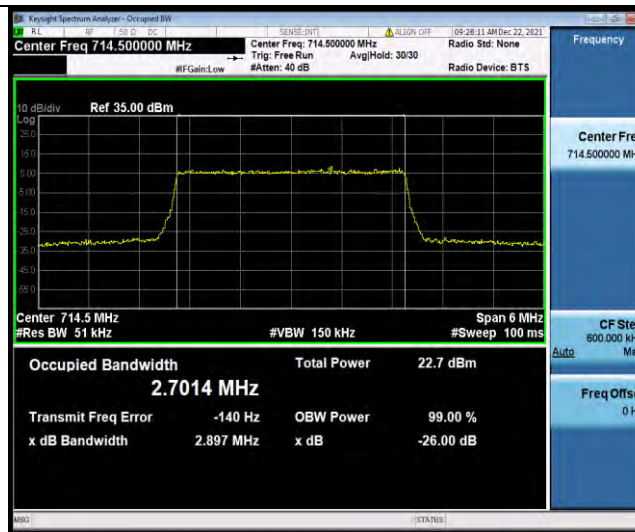


Band12-3MHz-16QAM-23165-15RB#0

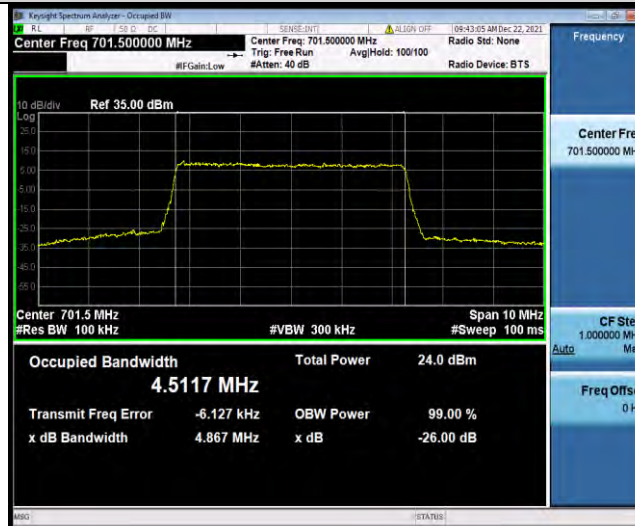


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VERITAS

Test Report No.: W7L-211220W001RF03



Band12-5MHz-QPSK-23035-25RB#0



Band12-5MHz-QPSK-23095-25RB#0



Band12-5MHz-QPSK-23155-25RB#0

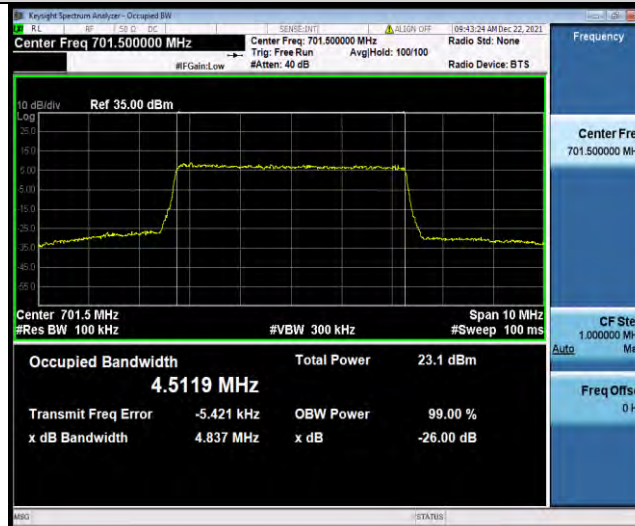


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VERITAS

Test Report No.: W7L-211220W001RF03



Band12-5MHz-16QAM-23035-25RB#0



Band12-5MHz-16QAM-23095-25RB#0



Band12-5MHz-16QAM-23155-25RB#0



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VERITAS

Test Report No.: W7L-211220W001RF03



Band12-10MHz-QPSK-23060-50RB#0



Band12-10MHz-QPSK-23095-50RB#0



Band12-10MHz-QPSK-23130-50RB#0



BUREAU
VERITAS

Test Report No.: W7L-211220W001RF03



Band12-10MHz-16QAM-23060-50RB#0



Band12-10MHz-16QAM-23095-50RB#0



Band12-10MHz-16QAM-23130-50RB#0



BUREAU
VERITAS

Test Report No.: W7L-211220W001RF03



BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	-33.08,-28.94	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	-30.43,-29.88	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	-28.78,-32.50	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-31.23,-31.52	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	-35.14,-29.93	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-30.95,-29.86	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	-29.07,-33.03	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-31.31,-31.18	PASS
Band12	3MHz	QPSK	23025	1RB#0	-27.84,-17.74	PASS
Band12	3MHz	QPSK	23025	15RB#0	-30.19,-23.65	PASS
Band12	3MHz	QPSK	23165	1RB#14	-18.16,-26.59	PASS
Band12	3MHz	QPSK	23165	15RB#0	-24.60,-31.21	PASS
Band12	3MHz	16QAM	23025	1RB#0	-29.38,-19.67	PASS
Band12	3MHz	16QAM	23025	15RB#0	-30.69,-25.47	PASS
Band12	3MHz	16QAM	23165	1RB#14	-20.53,-30.06	PASS
Band12	3MHz	16QAM	23165	15RB#0	-26.51,-31.34	PASS
Band12	5MHz	QPSK	23035	1RB#0	-19.20	PASS
Band12	5MHz	QPSK	23035	25RB#0	-26.04	PASS
Band12	5MHz	QPSK	23155	1RB#24	-19.14	PASS
Band12	5MHz	QPSK	23155	25RB#0	-27.26	PASS
Band12	5MHz	16QAM	23035	1RB#0	-20.54	PASS
Band12	5MHz	16QAM	23035	25RB#0	-26.21	PASS
Band12	5MHz	16QAM	23155	1RB#24	-20.68	PASS
Band12	5MHz	16QAM	23155	25RB#0	-27.56	PASS
Band12	10MHz	QPSK	23060	1RB#0	-33.36,-26.47	PASS
Band12	10MHz	QPSK	23060	50RB#0	-29.18,-28.02	PASS
Band12	10MHz	QPSK	23130	1RB#49	-26.23,-32.72	PASS
Band12	10MHz	QPSK	23130	50RB#0	-31.49,-33.13	PASS
Band12	10MHz	16QAM	23060	1RB#0	-34.89,-27.46	PASS
Band12	10MHz	16QAM	23060	50RB#0	-29.72,-28.77	PASS
Band12	10MHz	16QAM	23130	1RB#49	-27.08,-33.98	PASS
Band12	10MHz	16QAM	23130	50RB#0	-32.04,-33.11	PASS

Test Graphs

Band12-1.4MHz-QPSK-23017-1RB#0



Band12-1.4MHz-QPSK-23017-6RB#0



Band12-1.4MHz-QPSK-23173-1RB#5



Band12-1.4MHz-QPSK-23173-6RB#0



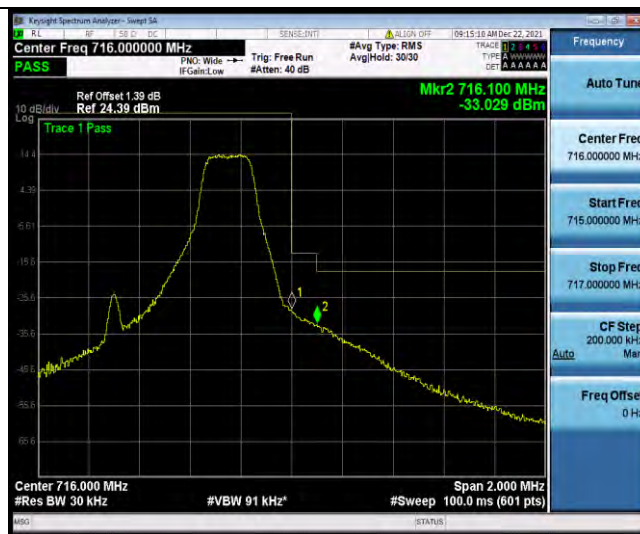
Band12-1.4MHz-16QAM-23017-1RB#0



Band12-1.4MHz-16QAM-23017-6RB#0



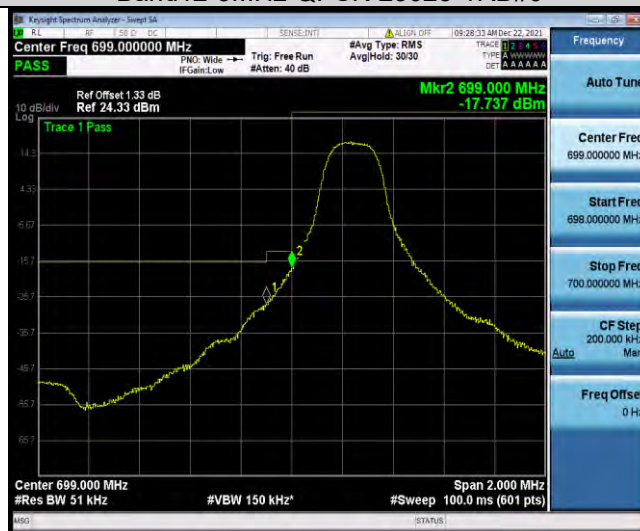
Band12-1.4MHz-16QAM-23173-1RB#5



Band12-1.4MHz-16QAM-23173-6RB#0



Band12-3MHz-QPSK-23025-1RB#0



Band12-3MHz-QPSK-23025-15RB#0