



**BUREAU
VERITAS**

Test Report No.: W7L-P22040029RF06

Band4	10MHz	16QAM	20175	50RB#0	NV	-20	3.16	0.001824	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	0	2.95	0.001703	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	10	4.26	0.002459	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	20	4.03	0.002326	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	30	4.98	0.002874	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	40	4.98	0.002874	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	50	4.46	0.002574	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	-30	4.84	0.002766	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	-20	3.86	0.002206	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	0	3.22	0.001840	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	10	7.38	0.004217	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	20	-5.05	-0.002886	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	30	6.02	0.003440	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	40	7.51	0.004291	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	50	6.25	0.003571	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	-30	2.65	0.001543	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	-20	2.89	0.001683	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	0	3.65	0.002125	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	10	3.63	0.002114	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	20	-2.85	-0.001659	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	30	3.00	0.001747	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	40	-4.48	-0.002608	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	50	-3.82	-0.002224	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-30	-6.27	-0.003619	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-20	3.86	0.002228	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	0	-2.27	-0.001310	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	10	2.60	0.001501	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	20	3.69	0.002130	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	30	3.13	0.001807	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	40	-2.26	-0.001304	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	50	5.34	0.003082	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	-30	-4.09	-0.002340	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	-20	-2.33	-0.001333	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	0	4.21	0.002409	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	10	-4.48	-0.002564	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	20	-3.42	-0.001957	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	30	-4.08	-0.002335	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	40	-4.61	-0.002638	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	50	-5.62	-0.003216	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	-30	2.65	0.001543	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	-20	4.13	0.002405	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	0	4.59	0.002672	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	10	3.59	0.002090	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	20	-6.79	-0.003953	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	30	2.52	0.001467	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	40	-4.49	-0.002614	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	50	-3.29	-0.001916	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	-30	4.43	0.002557	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	-20	4.23	0.002442	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	0	-3.32	-0.001916	±2.5	PASS



**BUREAU
VERITAS**

Test Report No.: W7L-P22040029RF06

Band4	15MHz	16QAM	20175	75RB#0	NV	10	4.13	0.002384	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	20	2.73	0.001576	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	30	2.92	0.001685	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	40	5.11	0.002949	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	50	4.51	0.002603	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	-30	2.59	0.001482	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	-20	-3.39	-0.001940	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	0	4.95	0.002833	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	10	4.01	0.002295	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	20	6.31	0.003611	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	30	-4.31	-0.002466	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	40	-4.06	-0.002323	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	50	3.32	0.001900	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-30	4.72	0.002744	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	6.77	0.003936	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	5.36	0.003116	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	3.59	0.002087	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	4.52	0.002628	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	4.68	0.002721	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	5.88	0.003419	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	5.52	0.003209	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	3.29	0.001899	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	4.96	0.002863	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	-2.66	-0.001535	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-3.39	-0.001957	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-4.42	-0.002551	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	3.95	0.002280	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	-3.05	-0.001760	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	5.34	0.003082	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	-6.65	-0.003811	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-3.91	-0.002241	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	-2.70	-0.001547	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-7.55	-0.004327	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-6.52	-0.003736	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	-7.85	-0.004499	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	-5.28	-0.003026	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	-5.72	-0.003278	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	2.88	0.001674	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	4.65	0.002703	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	3.38	0.001965	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	4.88	0.002837	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	3.65	0.002122	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	-3.20	-0.001860	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	2.55	0.001483	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	4.84	0.002814	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	-3.83	-0.002211	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	4.96	0.002863	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	-2.99	-0.001726	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	3.46	0.001997	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	3.78	0.002182	±2.5	PASS



BUREAU
VERITAS

Test Report No.: W7L-P22040029RF06

Band4	20MHz	16QAM	20175	100RB#0	NV	30	-5.85	-0.003377	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	-5.14	-0.002967	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	6.05	0.003492	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-30	-6.38	-0.003656	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	-5.92	-0.003393	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	-5.19	-0.002974	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-5.29	-0.003032	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-4.26	-0.002441	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	-4.99	-0.002860	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	-5.16	-0.002957	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	-7.22	-0.004138	±2.5	PASS

LTE BAND 12

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	4.44	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	4.97	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	4.06	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	4.85	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	3.66	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	4.52	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	5.26	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	5.86	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.11	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	5.65	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	4.63	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.52	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	4.42	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.03	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	3.94	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	4.88	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	3.97	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	4.75	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.22	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	5.88	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	4.87	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	5.72	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	4.93	13	PASS
Band12	3MHz	16QAM	23165	15RB#0	5.60	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	4.02	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.90	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	4.10	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.86	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.08	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.86	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	4.78	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	5.71	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.08	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	5.70	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.00	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	5.69	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	4.05	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	4.97	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	4.06	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	4.96	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.05	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	4.99	13	PASS

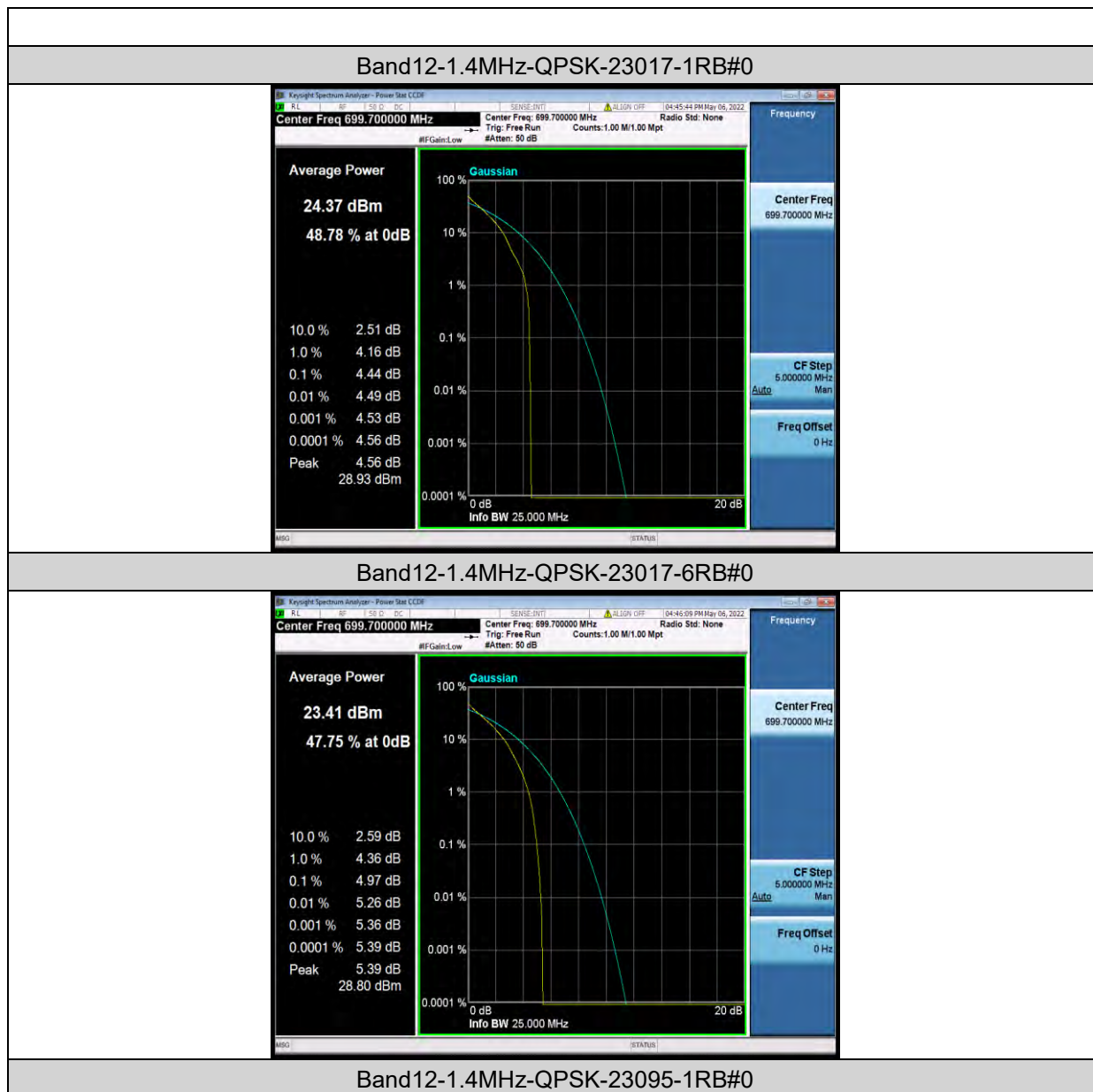


BUREAU
VERITAS

Test Report No.: W7L-P22040029RF06

Band12	10MHz	16QAM	23060	1RB#0	5.19	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	5.79	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	5.08	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	5.78	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	4.99	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	5.79	13	PASS

Test Graphs



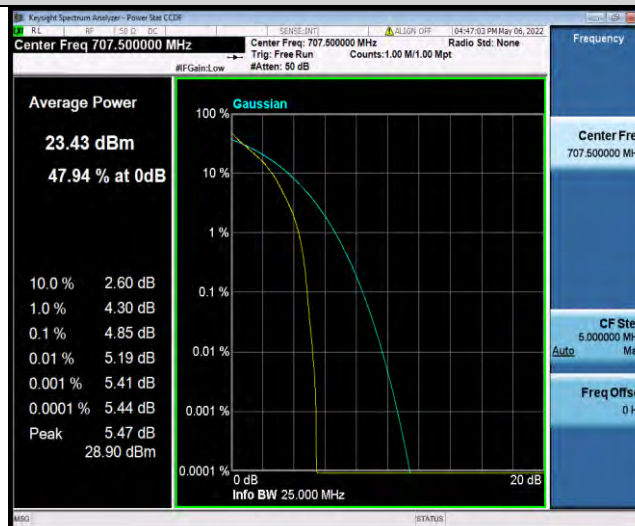


BUREAU
VERITAS

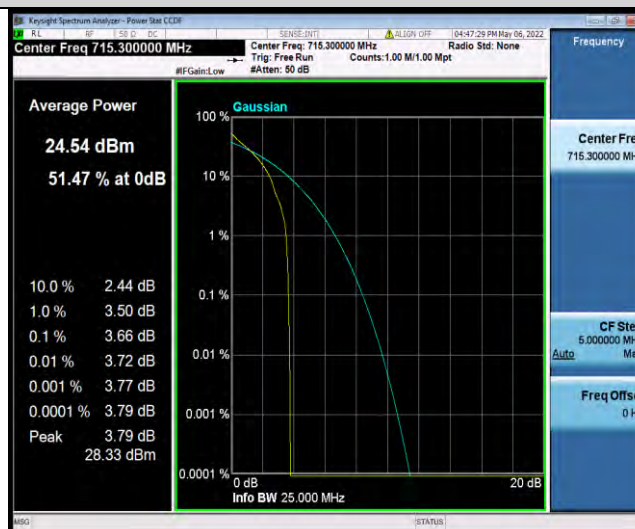
Test Report No.: W7L-P22040029RF06



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



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

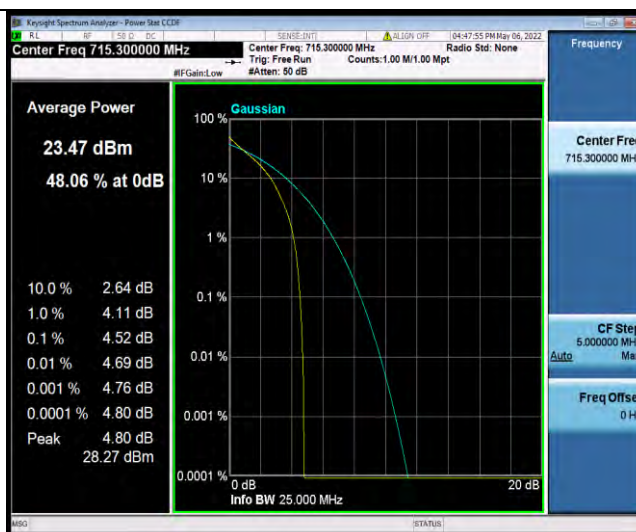


Band12-1.4MHz-QPSK-23173-6RB#0



BUREAU
VERITAS

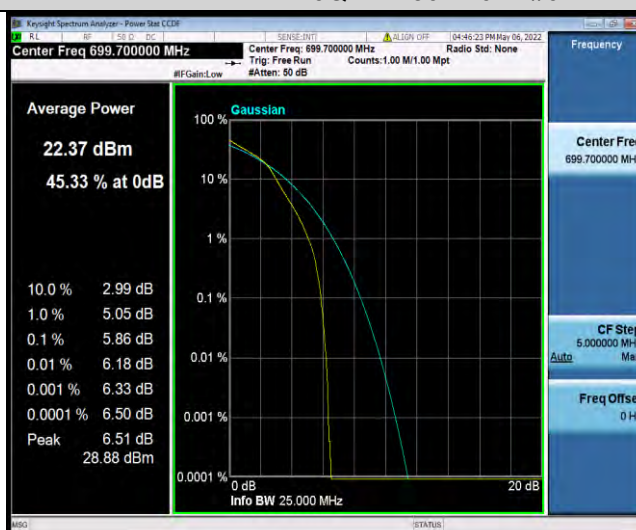
Test Report No.: W7L-P22040029RF06



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



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

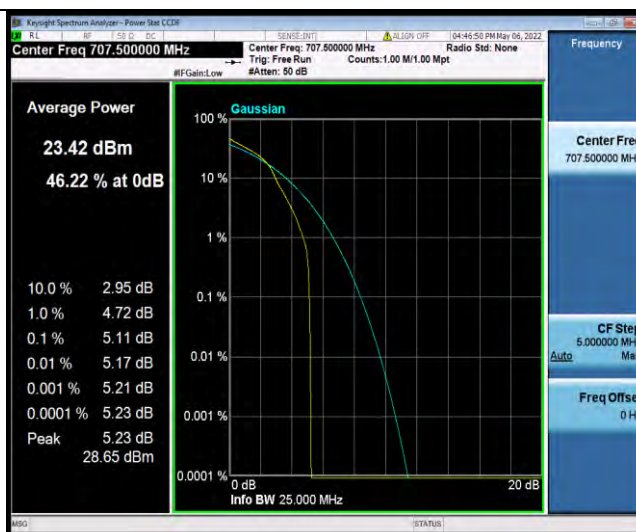


Band12-1.4MHz-16QAM-23095-1RB#0

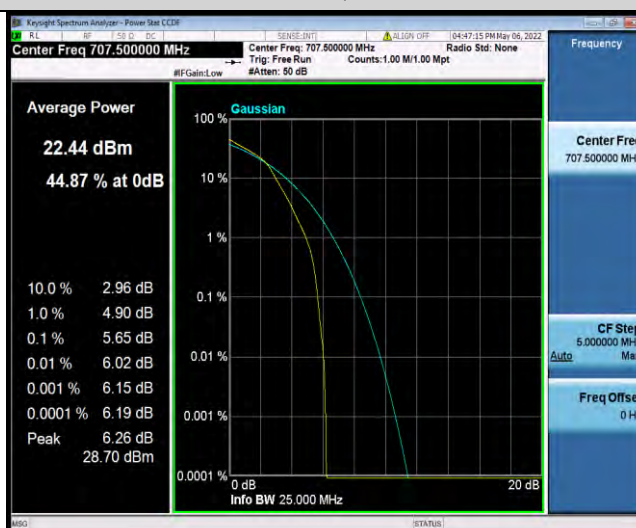


BUREAU
VERITAS

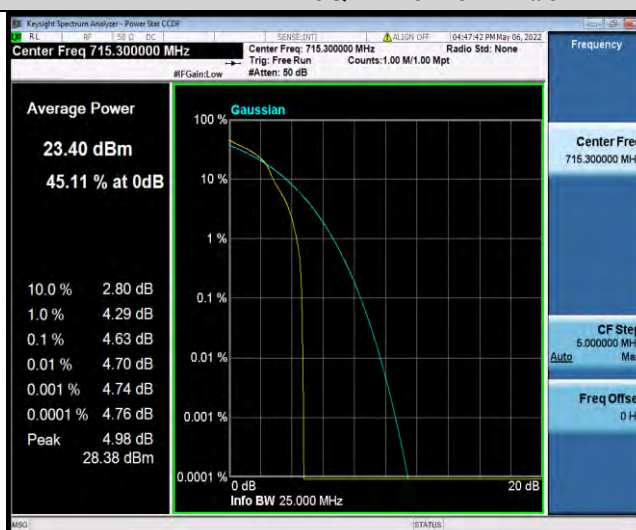
Test Report No.: W7L-P22040029RF06



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



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

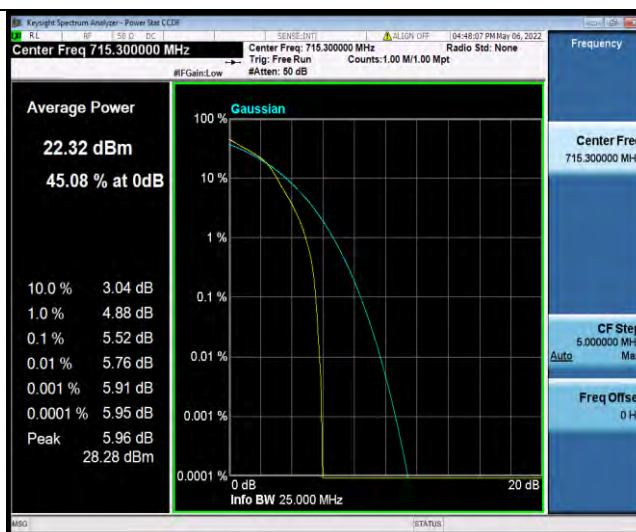


Band12-1.4MHz-16QAM-23173-6RB#0

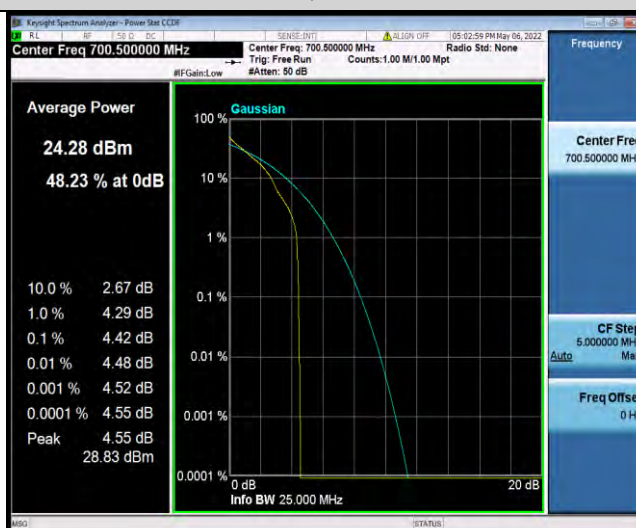


BUREAU
VERITAS

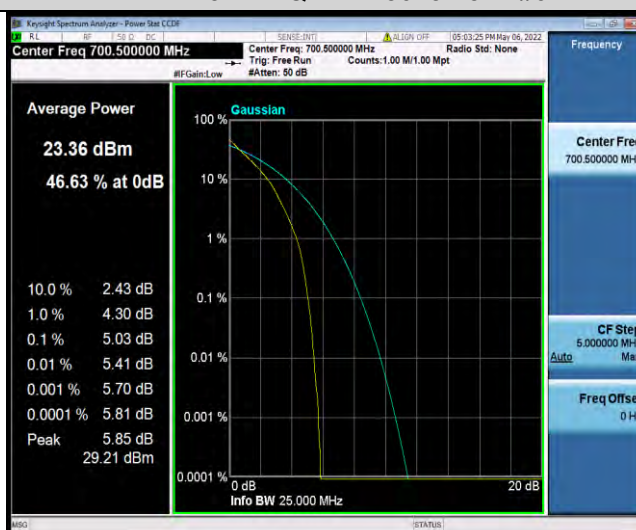
Test Report No.: W7L-P22040029RF06



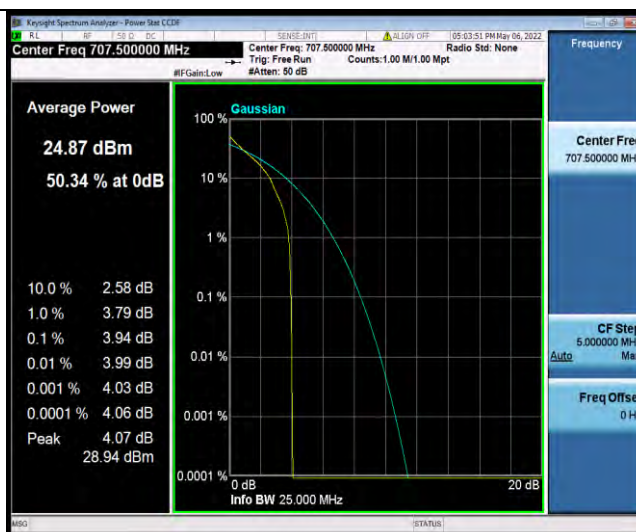
Band12-3MHz-QPSK-23025-1RB#0



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



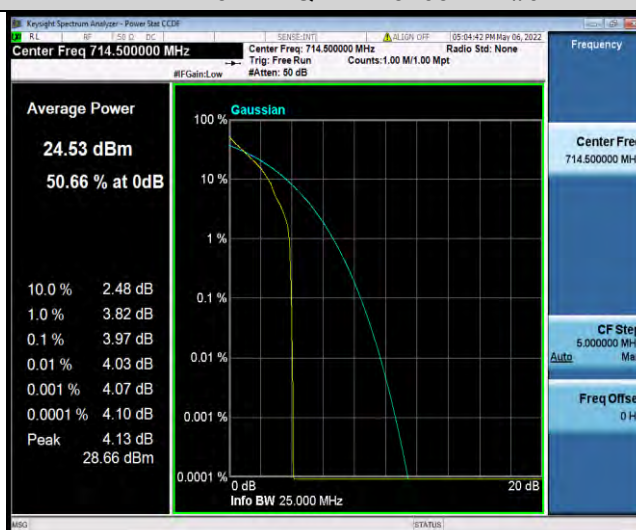
Band12-3MHz-QPSK-23095-1RB#0



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



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



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

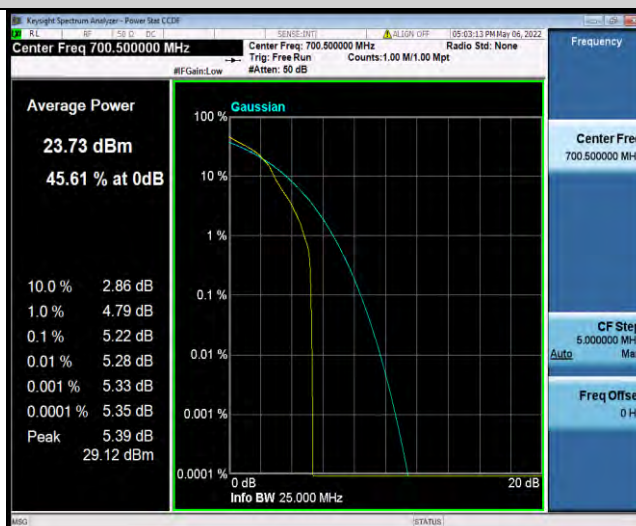


BUREAU
VERITAS

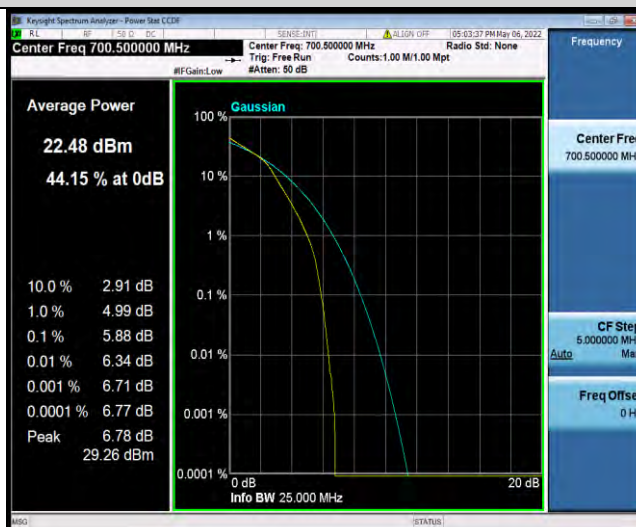
Test Report No.: W7L-P22040029RF06



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



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

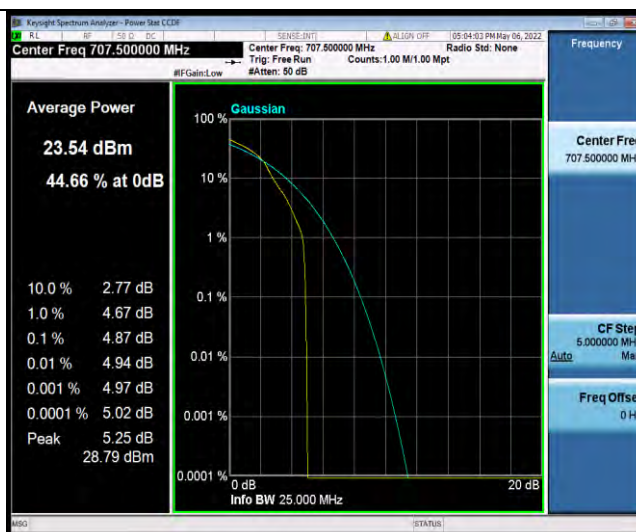


Band12-3MHz-16QAM-23095-1RB#0

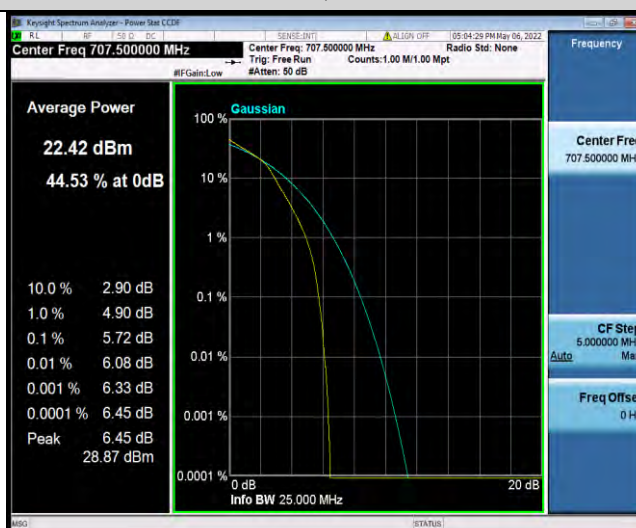


BUREAU
VERITAS

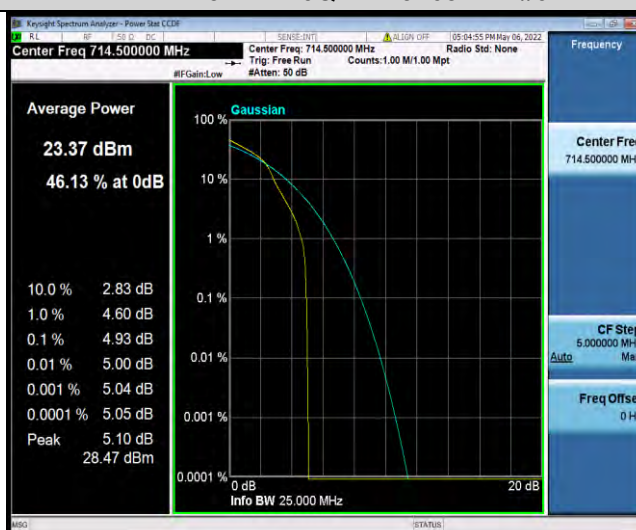
Test Report No.: W7L-P22040029RF06



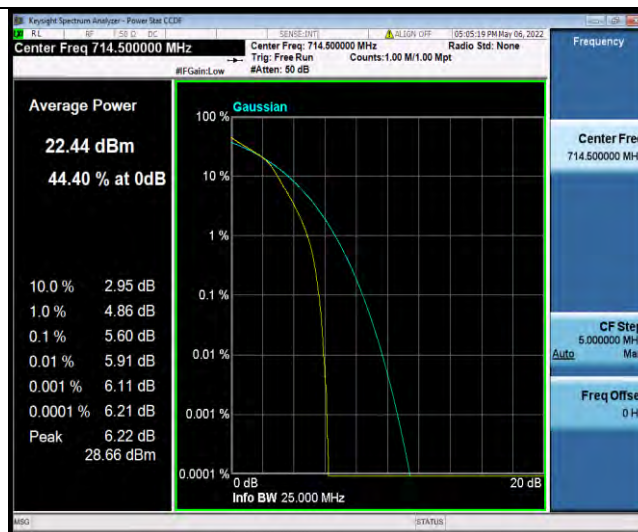
Band12-3MHz-16QAM-23095-15RB#0



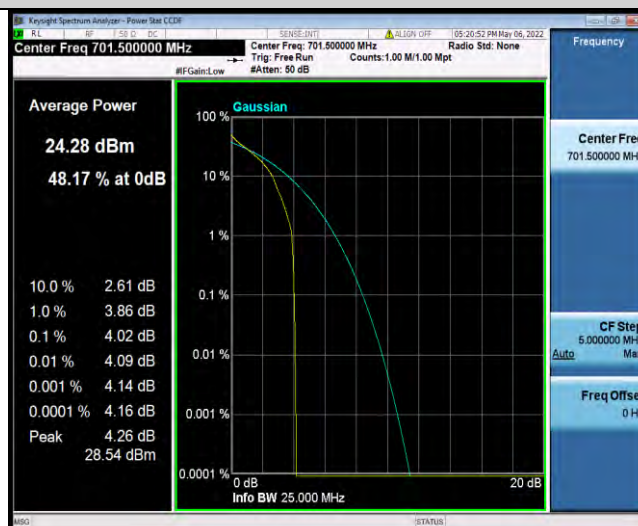
Band12-3MHz-16QAM-23165-1RB#0



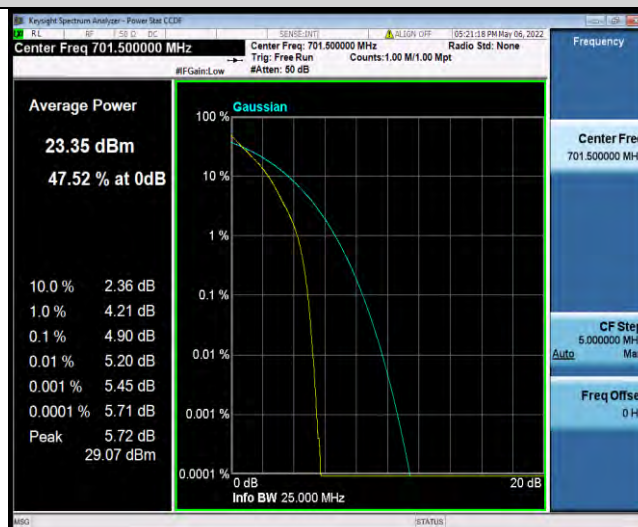
Band12-3MHz-16QAM-23165-15RB#0



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



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



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

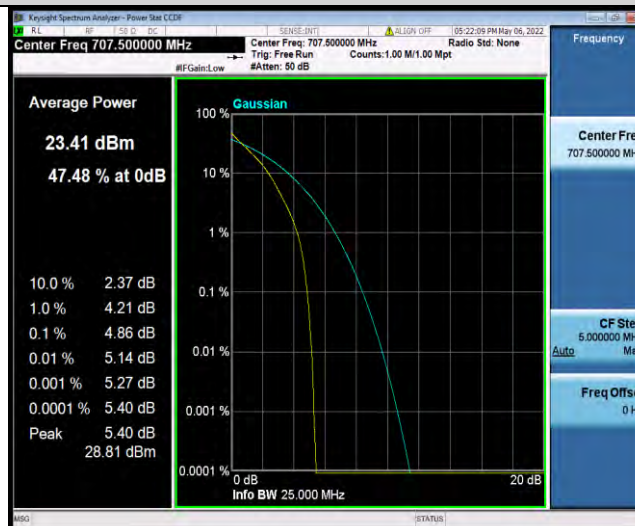


BUREAU
VERITAS

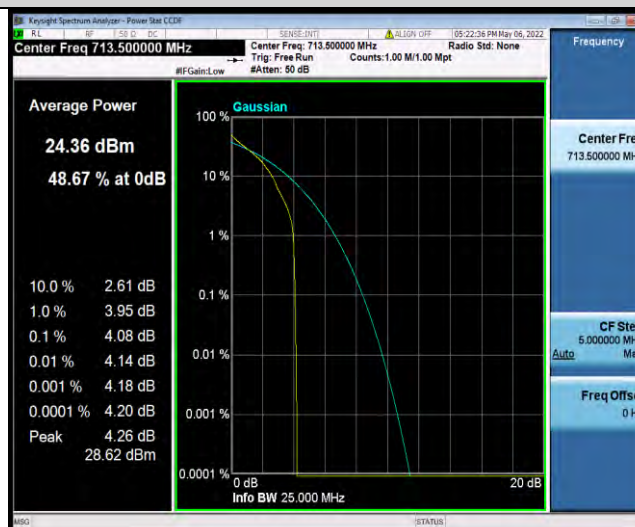
Test Report No.: W7L-P22040029RF06



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



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



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

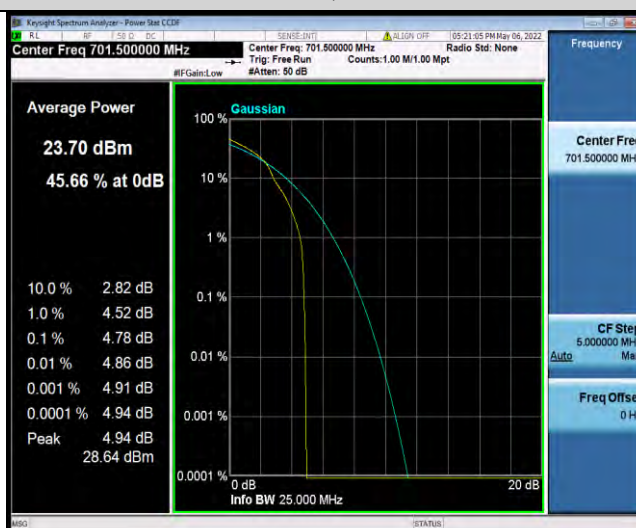


BUREAU
VERITAS

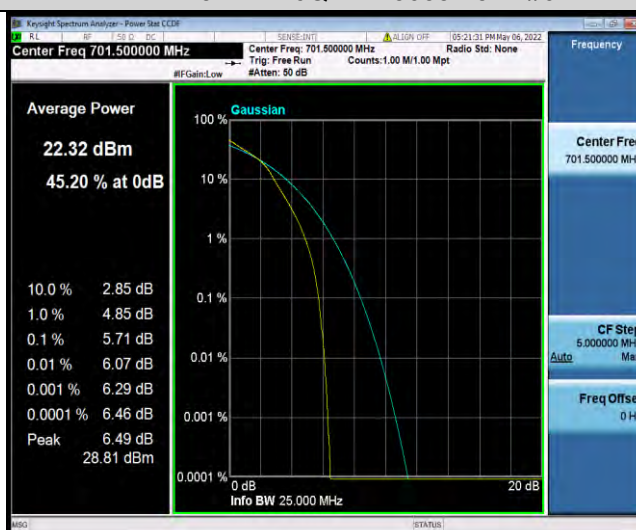
Test Report No.: W7L-P22040029RF06



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



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



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

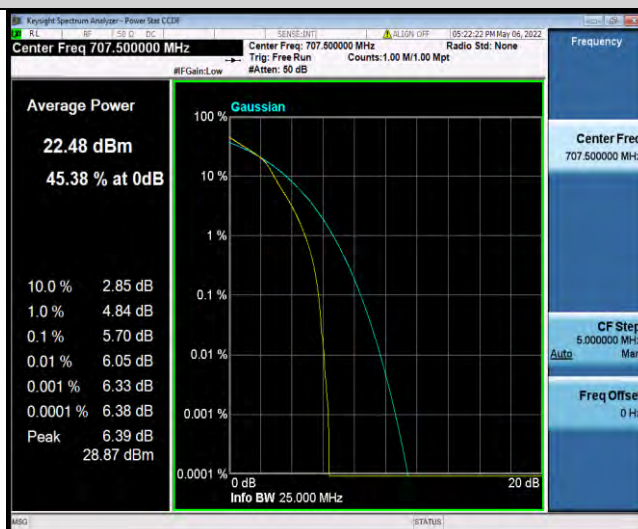


BUREAU
VERITAS

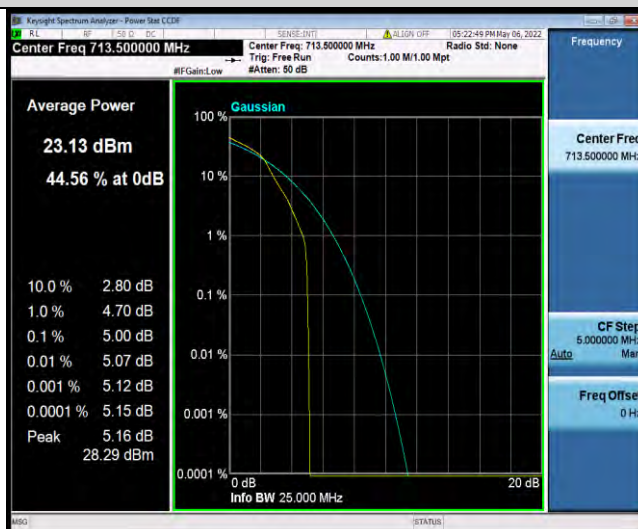
Test Report No.: W7L-P22040029RF06



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



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

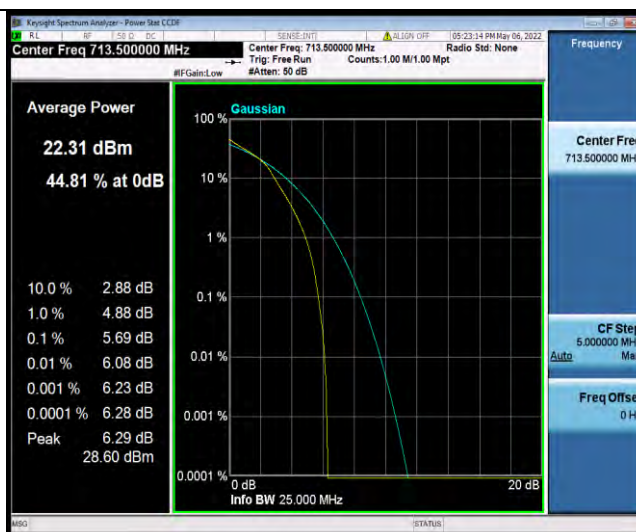


Band12-5MHz-16QAM-23155-25RB#0

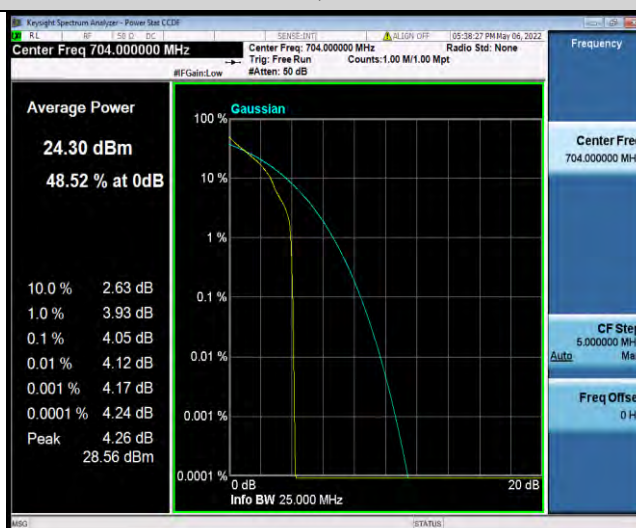


BUREAU
VERITAS

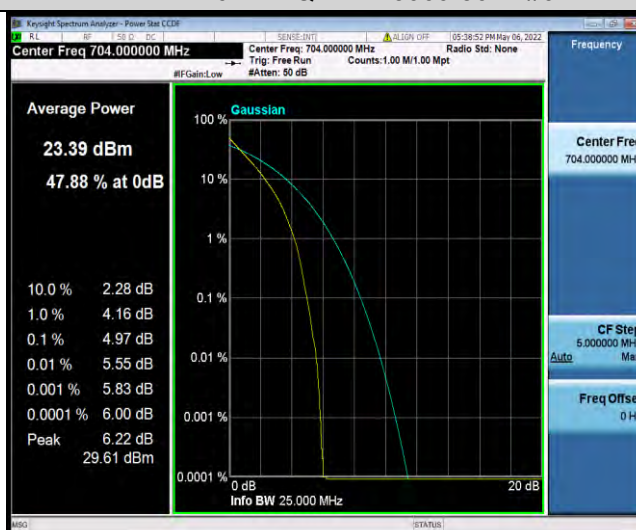
Test Report No.: W7L-P22040029RF06



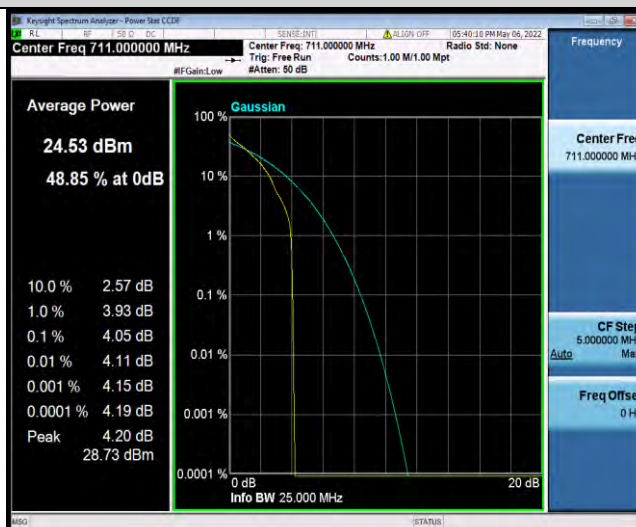
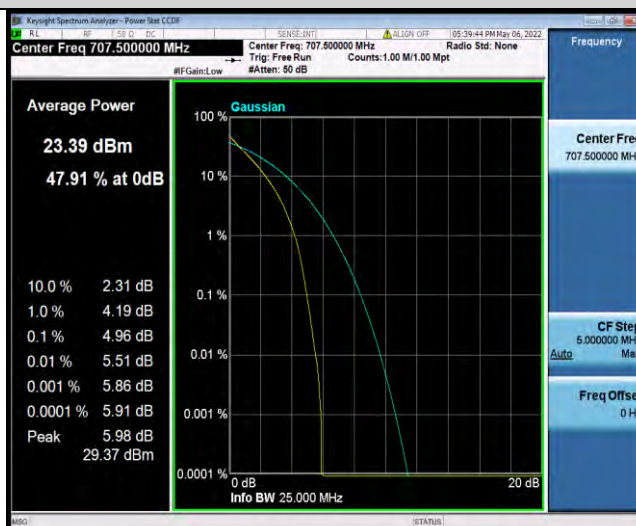
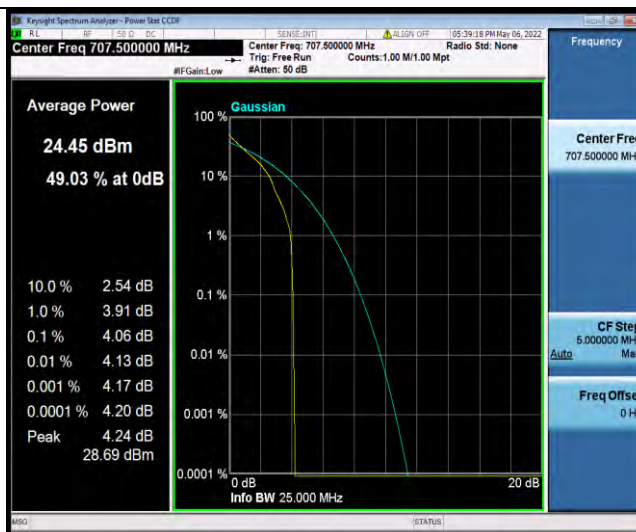
Band12-10MHz-QPSK-23060-1RB#0

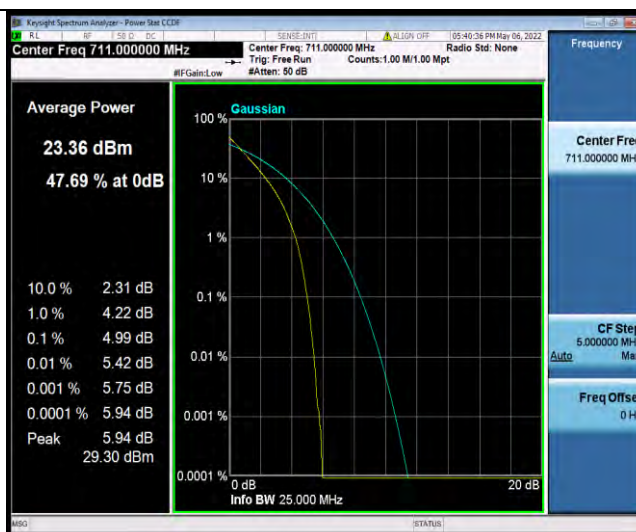


Band12-10MHz-QPSK-23060-50RB#0

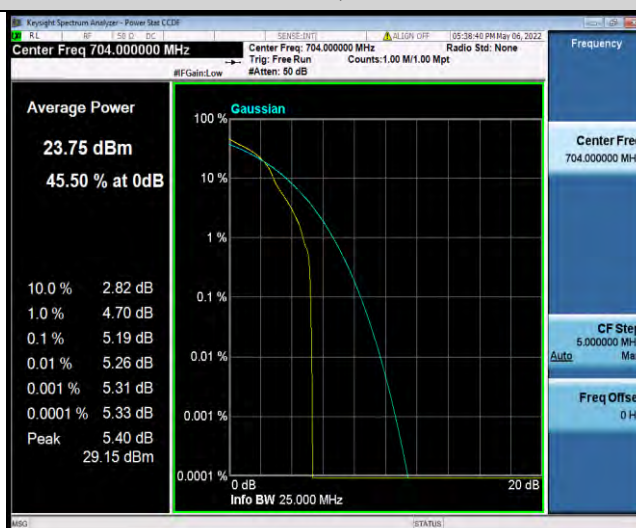


Band12-10MHz-QPSK-23095-1RB#0





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



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



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



BUREAU
VERITAS

Test Report No.: W7L-P22040029RF06



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



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

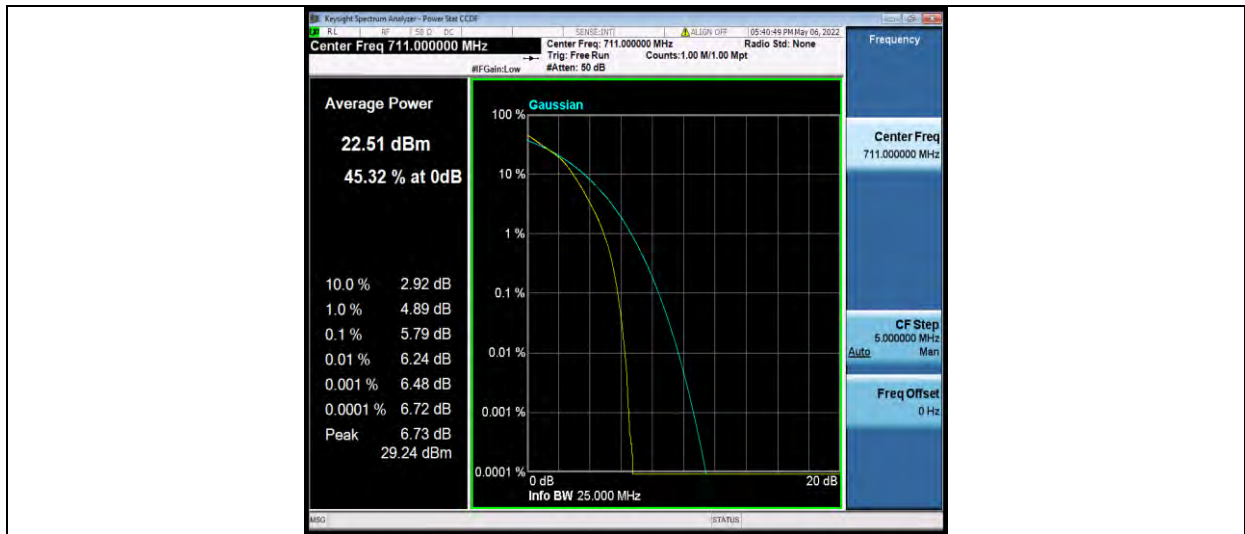


Band12-10MHz-16QAM-23130-50RB#0



BUREAU
VERITAS

Test Report No.: W7L-P22040029RF06

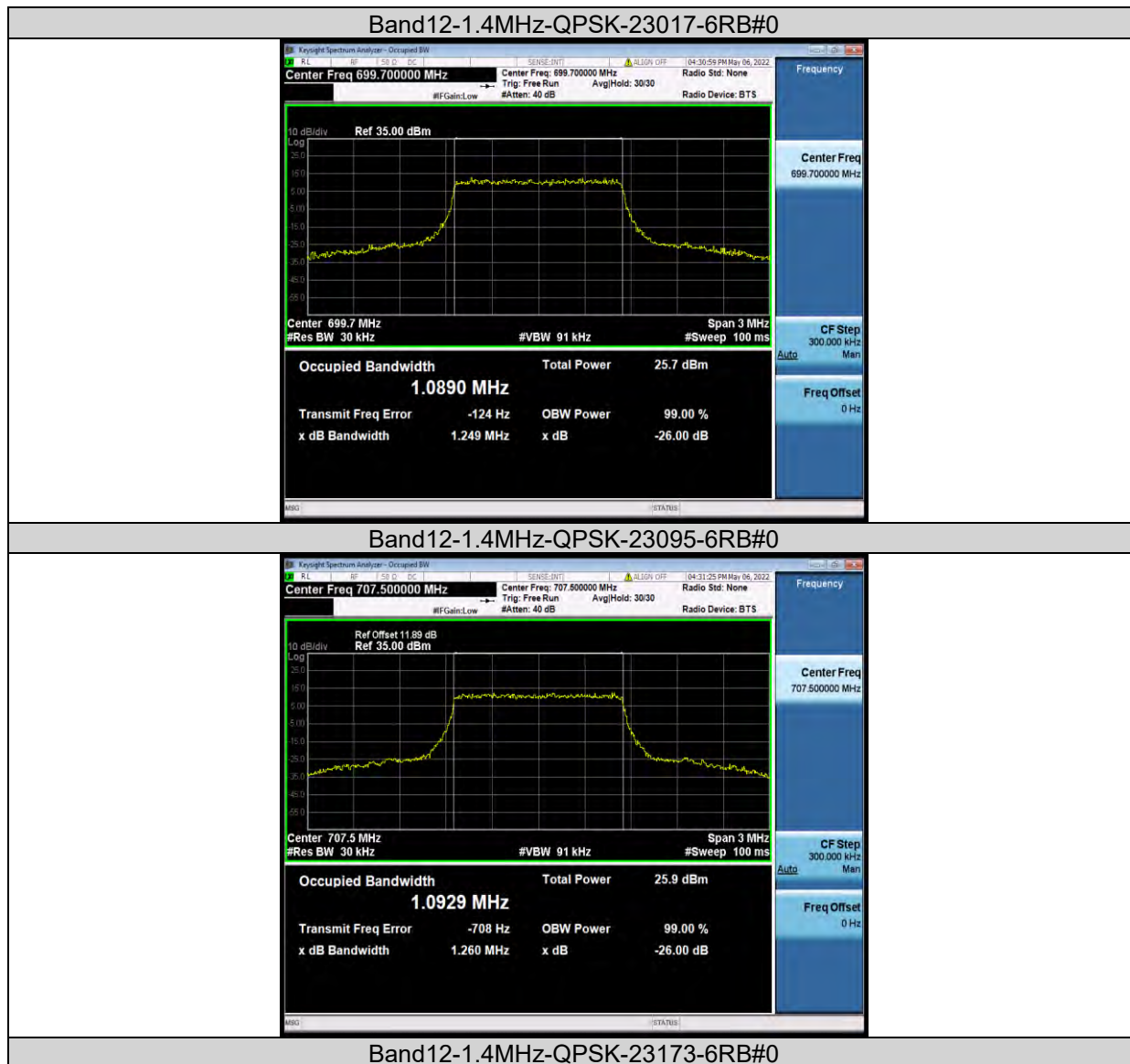


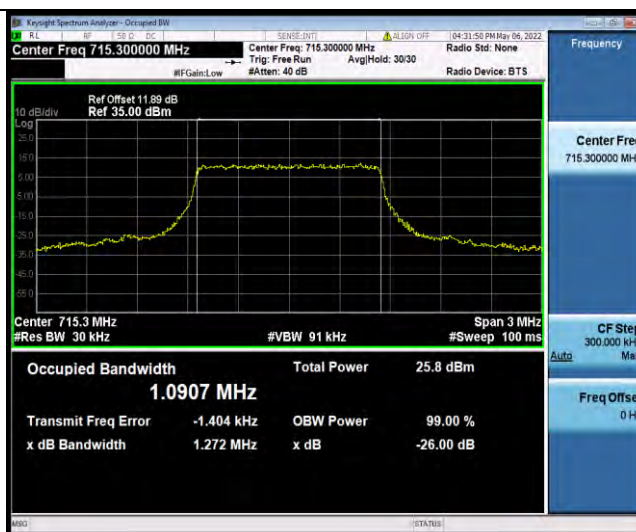
26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

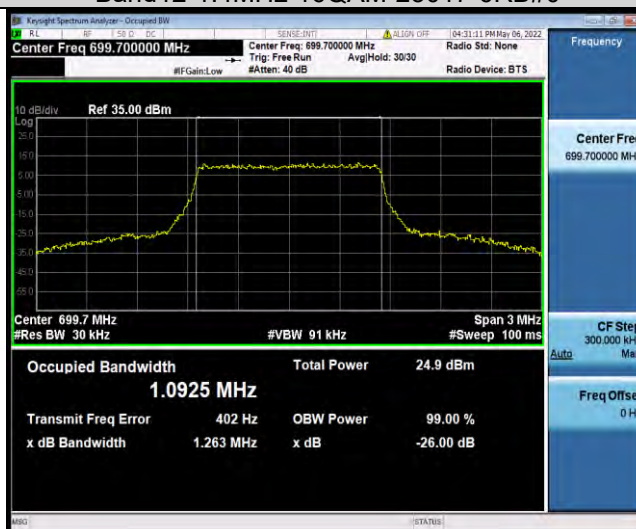
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.0890	1.249	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.0929	1.260	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.0907	1.272	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.0925	1.263	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.0895	1.269	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.0910	1.253	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.6959	2.922	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.6973	2.917	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.6931	2.909	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.6912	2.935	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.6919	2.927	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.6957	2.928	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.4934	4.879	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.4930	4.895	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5022	4.852	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.5027	4.854	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.5018	4.918	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.5099	4.862	PASS
Band12	10MHz	QPSK	23060	50RB#0	8.9517	9.543	PASS
Band12	10MHz	QPSK	23095	50RB#0	8.9732	9.556	PASS
Band12	10MHz	QPSK	23130	50RB#0	8.9598	9.540	PASS
Band12	10MHz	16QAM	23060	50RB#0	8.9445	9.536	PASS
Band12	10MHz	16QAM	23095	50RB#0	8.9668	9.543	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.9674	9.544	PASS

Test Graphs

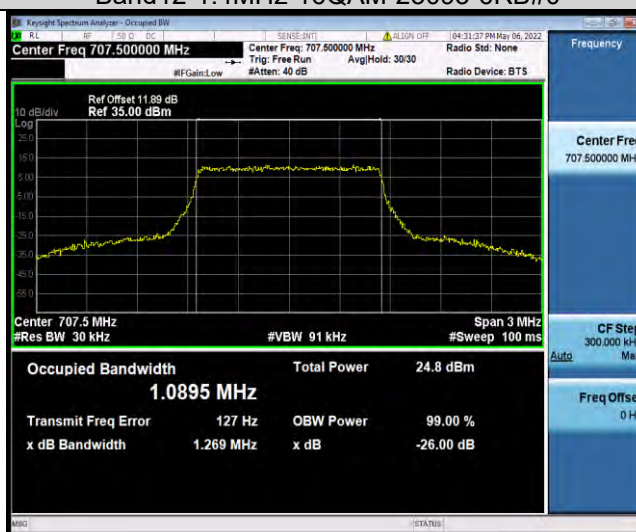




Band12-1.4MHz-16QAM-23017-6RB#0



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



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



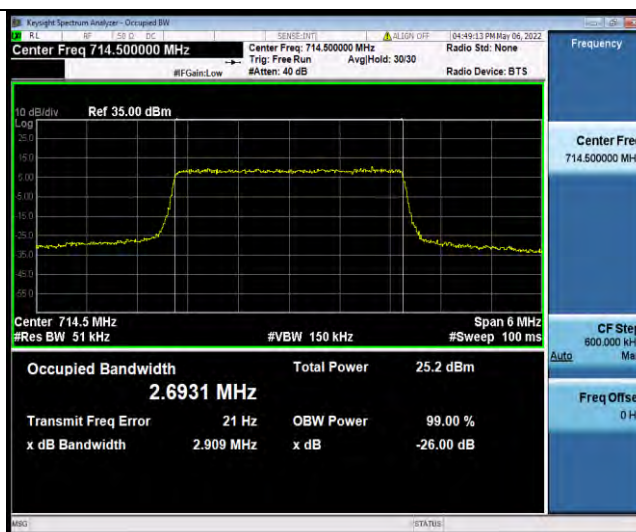
Band12-3MHz-QPSK-23025-15RB#0



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



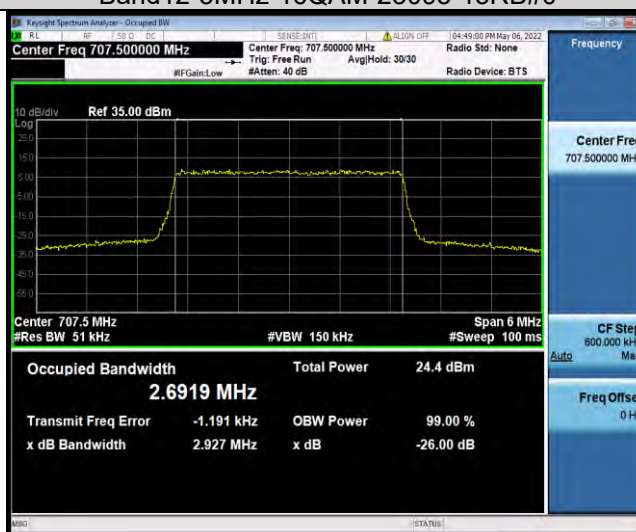
Band12-3MHz-QPSK-23165-15RB#0



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



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



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



BUREAU
VERITAS

Test Report No.: W7L-P22040029RF06



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



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



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



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



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



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



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



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



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



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



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



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



BUREAU
VERITAS

Test Report No.: W7L-P22040029RF06



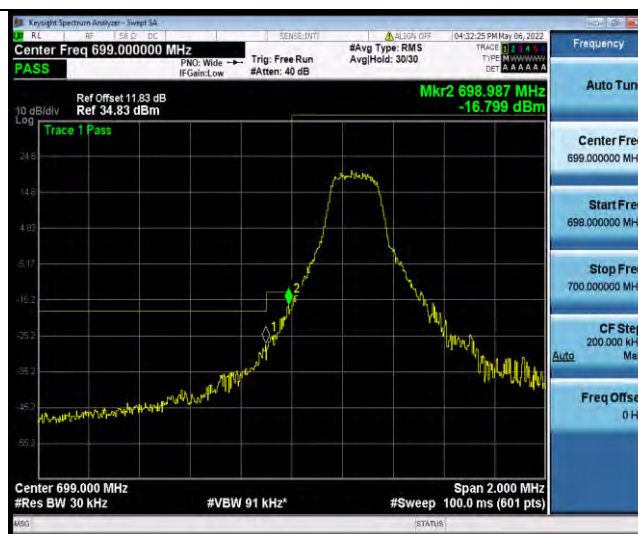
BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	-27.62,-16.80	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	-23.71,-21.16	PASS
Band12	1.4MHz	QPSK	23173	1RB#5	-14.75,-26.60	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	-21.37,-25.32	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	-30.38,-16.54	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	-24.88,-22.21	PASS
Band12	1.4MHz	16QAM	23173	1RB#5	-14.82,-26.95	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	-23.57,-25.45	PASS
Band12	3MHz	QPSK	23025	1RB#0	-32.71,-19.43	PASS
Band12	3MHz	QPSK	23025	15RB#0	-25.81,-19.57	PASS
Band12	3MHz	QPSK	23165	1RB#14	-13.61,-26.89	PASS
Band12	3MHz	QPSK	23165	15RB#0	-20.62,-26.88	PASS
Band12	3MHz	16QAM	23025	1RB#0	-34.19,-22.05	PASS
Band12	3MHz	16QAM	23025	15RB#0	-26.51,-21.31	PASS
Band12	3MHz	16QAM	23165	1RB#14	-15.43,-26.99	PASS
Band12	3MHz	16QAM	23165	15RB#0	-21.29,-27.53	PASS
Band12	5MHz	QPSK	23035	1RB#0	-23.21	PASS
Band12	5MHz	QPSK	23035	25RB#0	-20.34	PASS
Band12	5MHz	QPSK	23155	1RB#24	-13.53	PASS
Band12	5MHz	QPSK	23155	25RB#0	-20.24	PASS
Band12	5MHz	16QAM	23035	1RB#0	-24.52	PASS
Band12	5MHz	16QAM	23035	25RB#0	-21.11	PASS
Band12	5MHz	16QAM	23155	1RB#24	-14.32	PASS
Band12	5MHz	16QAM	23155	25RB#0	-20.04	PASS
Band12	10MHz	QPSK	23060	1RB#0	-28.38,-20.61	PASS
Band12	10MHz	QPSK	23060	50RB#0	-25.35,-23.21	PASS
Band12	10MHz	QPSK	23130	1RB#49	-19.69,-25.21	PASS
Band12	10MHz	QPSK	23130	50RB#0	-22.56,-24.66	PASS
Band12	10MHz	16QAM	23060	1RB#0	-25.54,-19.69	PASS
Band12	10MHz	16QAM	23060	50RB#0	-26.87,-24.99	PASS
Band12	10MHz	16QAM	23130	1RB#49	-20.00,-27.81	PASS
Band12	10MHz	16QAM	23130	50RB#0	-24.23,-26.42	PASS

Test Graphs

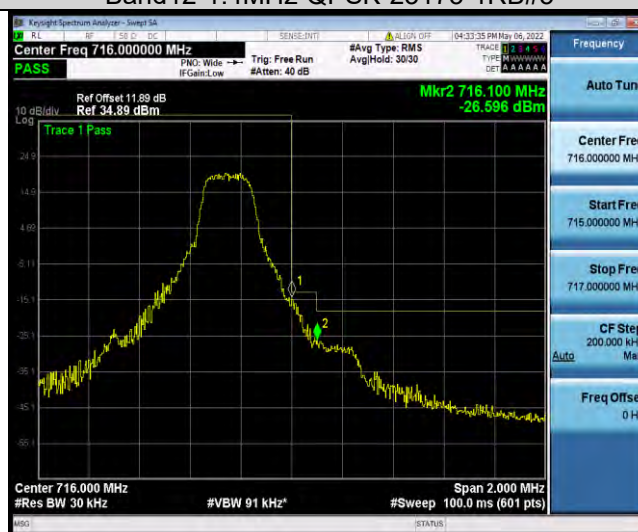
Band12-1.4MHz-QPSK-23017-1RB#0



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



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



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

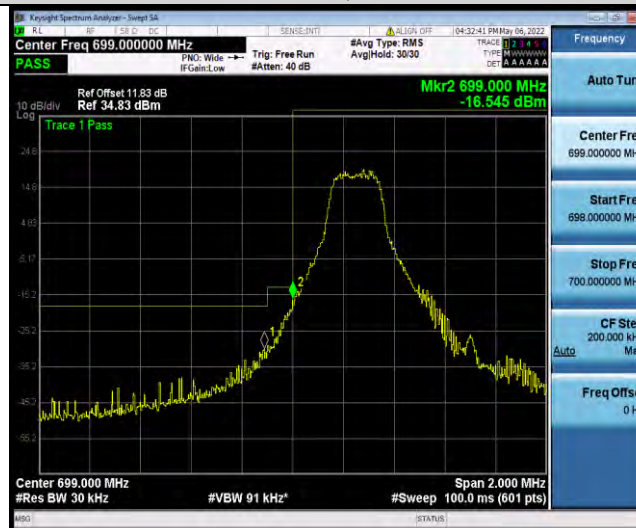


BUREAU
VERITAS

Test Report No.: W7L-P22040029RF06



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

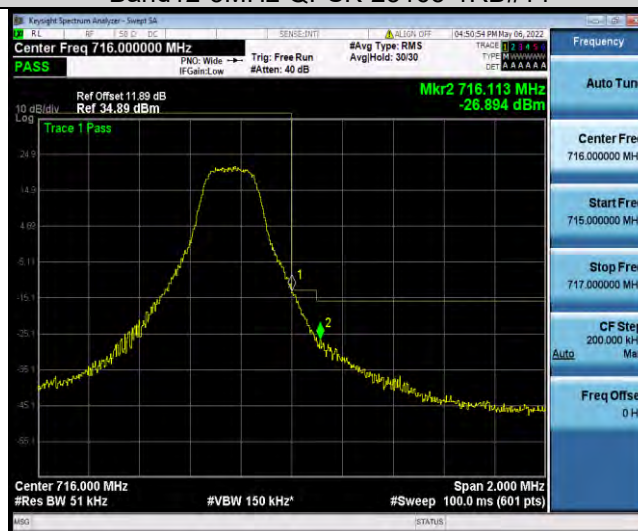


BUREAU
VERITAS

Test Report No.: W7L-P22040029RF06



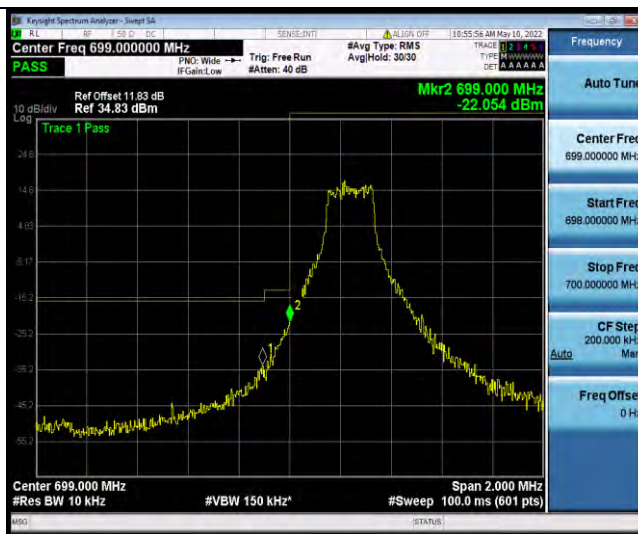
Band12-3MHz-QPSK-23165-1RB#14



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



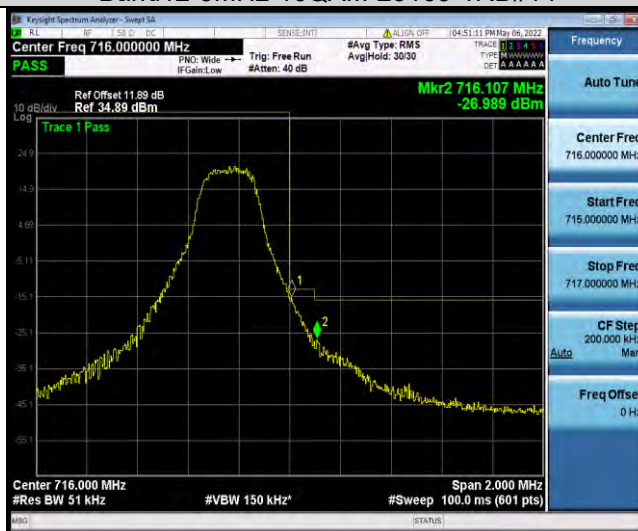
Band12-3MHz-16QAM-23025-1RB#0



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



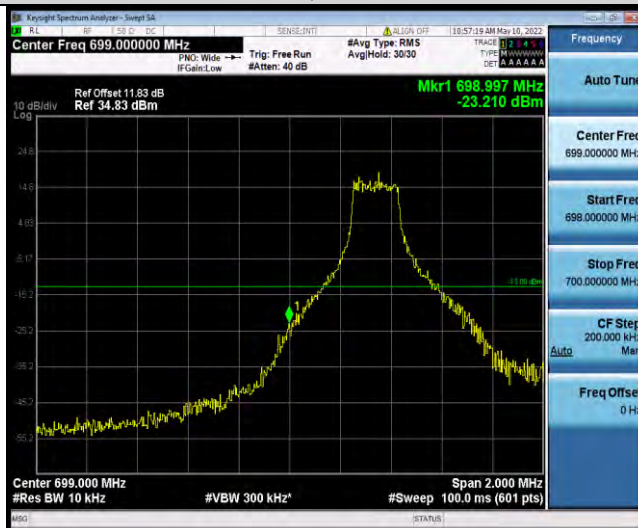
Band12-3MHz-16QAM-23165-1RB#14



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



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



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



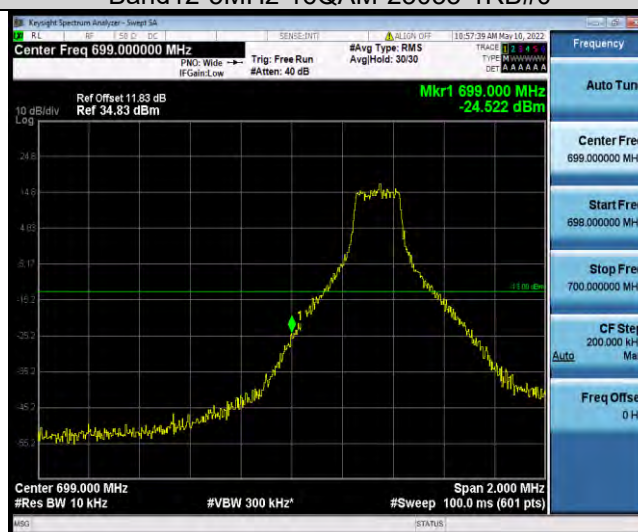
Band12-5MHz-QPSK-23155-1RB#24



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



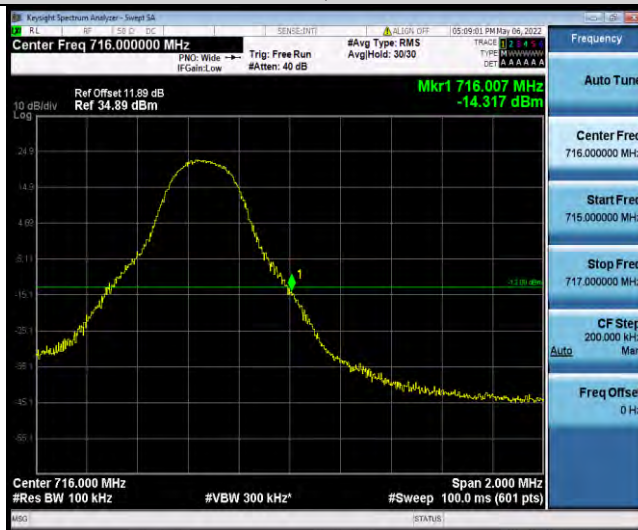
Band12-5MHz-16QAM-23035-1RB#0



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



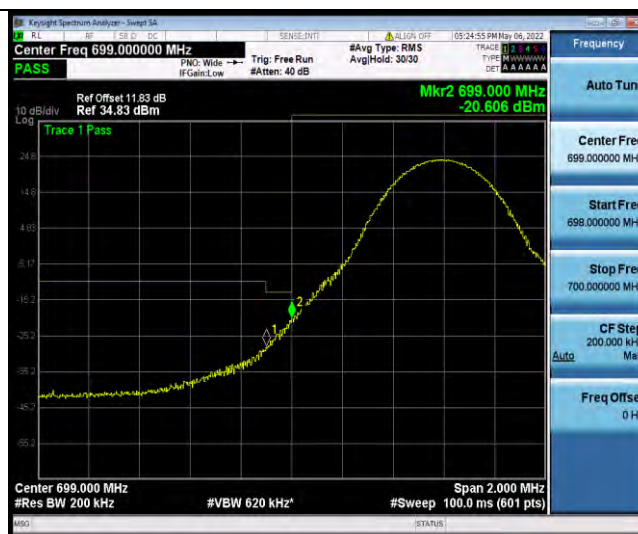
Band12-5MHz-16QAM-23155-1RB#24



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



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



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



Band12-10MHz-QPSK-23130-1RB#49



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



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



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

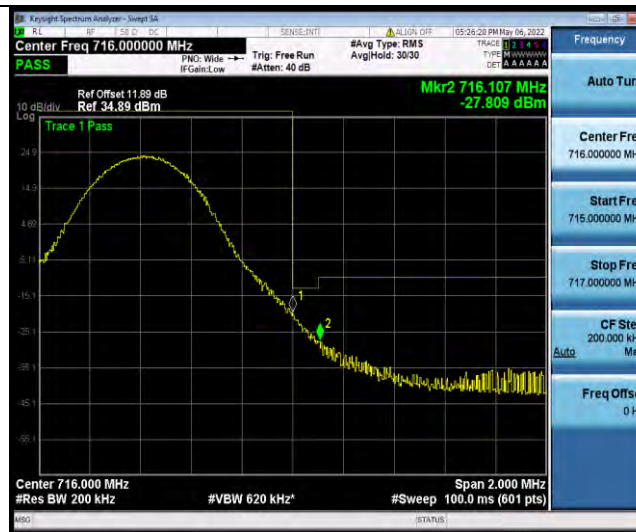


Band12-10MHz-16QAM-23130-1RB#49



BUREAU
VERITAS

Test Report No.: W7L-P22040029RF06



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



CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	Range1:30~1000MHz	-40.77	PASS
Band12	1.4MHz	QPSK	23017	1RB#0	Range2:1000~10000MHz	-33.97	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-39.99	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-34.73	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range1:30~1000MHz	-40.19	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	Range2:1000~10000MHz	-34.93	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range1:30~1000MHz	-39.81	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	Range2:1000~10000MHz	-34.82	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-40.87	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-34.77	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range1:30~1000MHz	-39.73	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	Range2:1000~10000MHz	-34.77	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range1:30~1000MHz	-40.48	PASS
Band12	3MHz	QPSK	23025	1RB#0	Range2:1000~10000MHz	-35.27	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-40.29	PASS
Band12	3MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-35.43	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range1:30~1000MHz	-40.42	PASS
Band12	3MHz	QPSK	23165	1RB#0	Range2:1000~10000MHz	-34.95	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range1:30~1000MHz	-40.4	PASS
Band12	3MHz	16QAM	23025	1RB#0	Range2:1000~10000MHz	-33.87	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-40.53	PASS
Band12	3MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-35.26	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range1:30~1000MHz	-40.28	PASS
Band12	3MHz	16QAM	23165	1RB#0	Range2:1000~10000MHz	-35.38	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range1:30~1000MHz	-40.35	PASS
Band12	5MHz	QPSK	23035	1RB#0	Range2:1000~10000MHz	-35.75	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-39.52	PASS
Band12	5MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-35.29	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range1:30~1000MHz	-40.57	PASS
Band12	5MHz	QPSK	23155	1RB#0	Range2:1000~10000MHz	-35.04	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range1:30~1000MHz	-40.1	PASS
Band12	5MHz	16QAM	23035	1RB#0	Range2:1000~10000MHz	-35.6	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-40.87	PASS
Band12	5MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-34.35	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range1:30~1000MHz	-40.07	PASS
Band12	5MHz	16QAM	23155	1RB#0	Range2:1000~10000MHz	-34.49	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range1:30~1000MHz	-39.94	PASS
Band12	10MHz	QPSK	23060	1RB#0	Range2:1000~10000MHz	-34.93	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range1:30~1000MHz	-40.72	PASS
Band12	10MHz	QPSK	23095	1RB#0	Range2:1000~10000MHz	-34.91	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range1:30~1000MHz	-40.09	PASS
Band12	10MHz	QPSK	23130	1RB#0	Range2:1000~10000MHz	-35.12	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range1:30~1000MHz	-39.71	PASS
Band12	10MHz	16QAM	23060	1RB#0	Range2:1000~10000MHz	-35.09	PASS



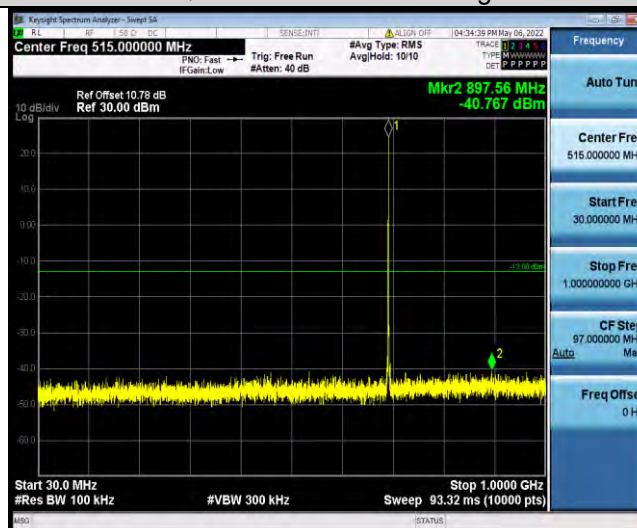
**BUREAU
VERITAS**

Test Report No.: W7L-P22040029RF06

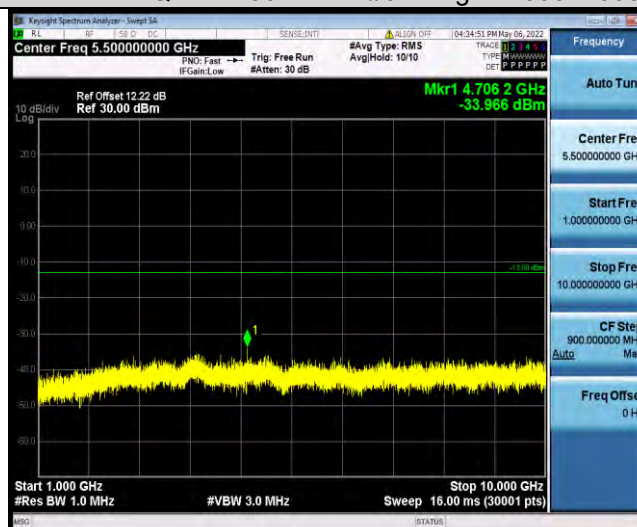
Band12	10MHz	16QAM	23095	1RB#0	Range1:30~1000MHz	-40.46	PASS
Band12	10MHz	16QAM	23095	1RB#0	Range2:1000~10000MHz	-34.51	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range1:30~1000MHz	-41.08	PASS
Band12	10MHz	16QAM	23130	1RB#0	Range2:1000~10000MHz	-35.36	PASS

Test Graphs

Band12-1.4MHz-QPSK-23017-1RB#0-Range1:30~1000MHz



Band12-1.4MHz-QPSK-23017-1RB#0-Range2:1000~10000MHz

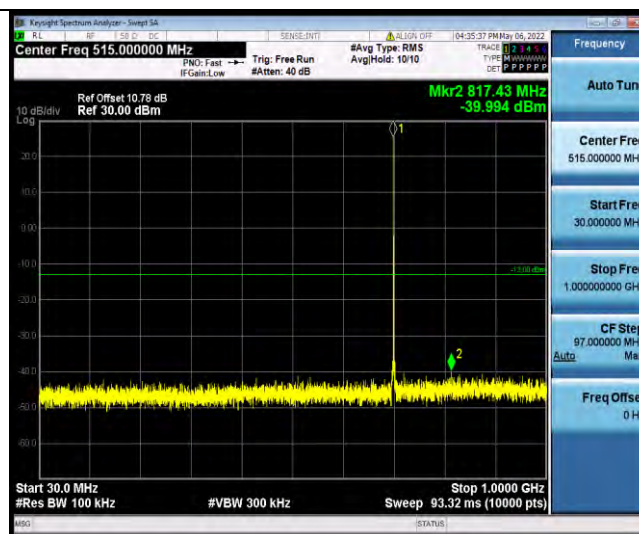


Band12-1.4MHz-QPSK-23095-1RB#0-Range1:30~1000MHz

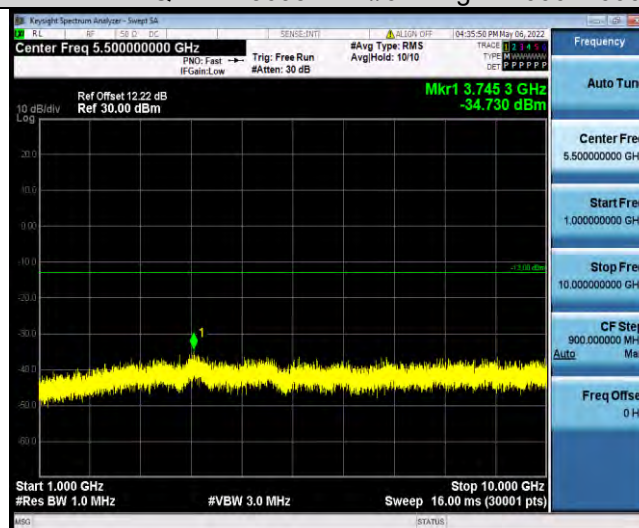


BUREAU
VERITAS

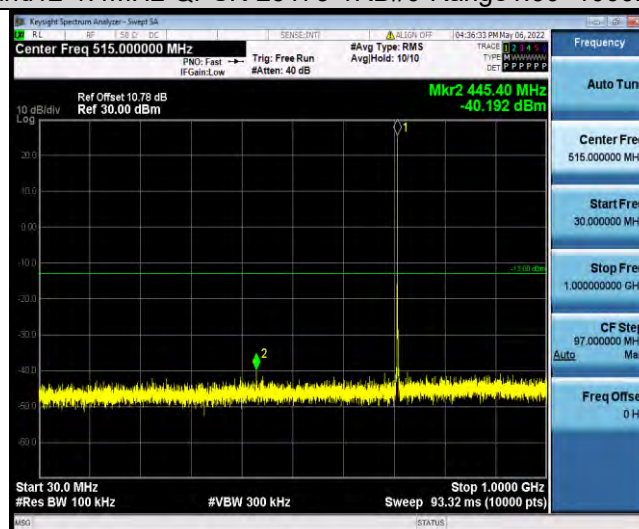
Test Report No.: W7L-P22040029RF06



Band12-1.4MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



Band12-1.4MHz-QPSK-23173-1RB#0-Range1:30~1000MHz

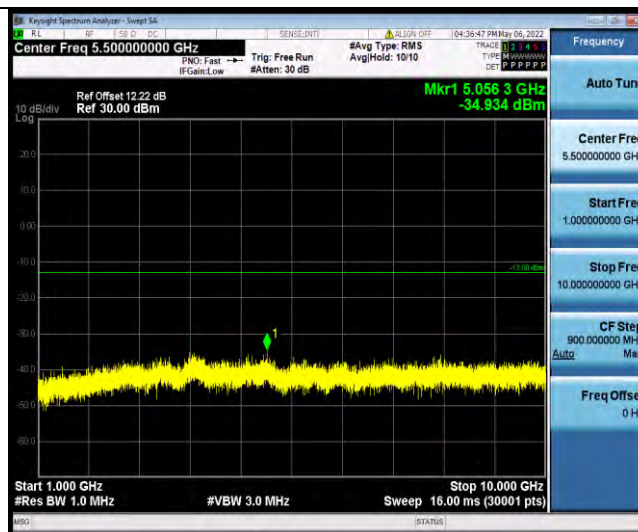


Band12-1.4MHz-QPSK-23173-1RB#0-Range2:1000~10000MHz

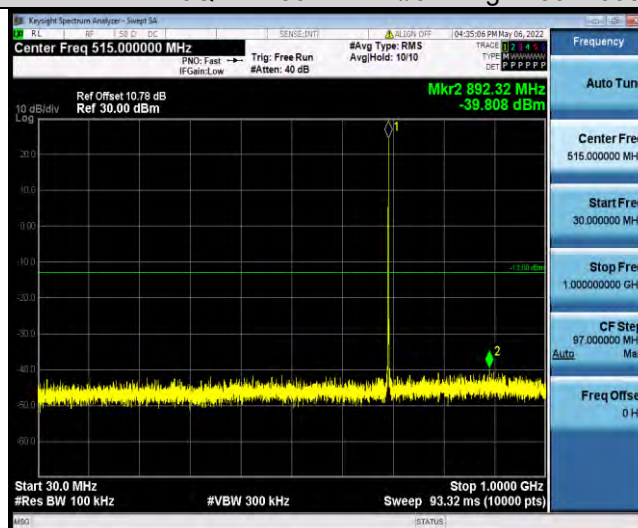


BUREAU
VERITAS

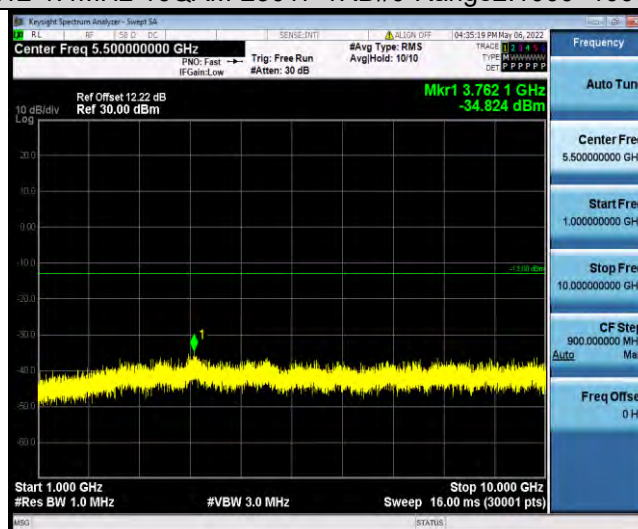
Test Report No.: W7L-P22040029RF06



Band12-1.4MHz-16QAM-23017-1RB#0-Range1:30~1000MHz



Band12-1.4MHz-16QAM-23017-1RB#0-Range2:1000~10000MHz

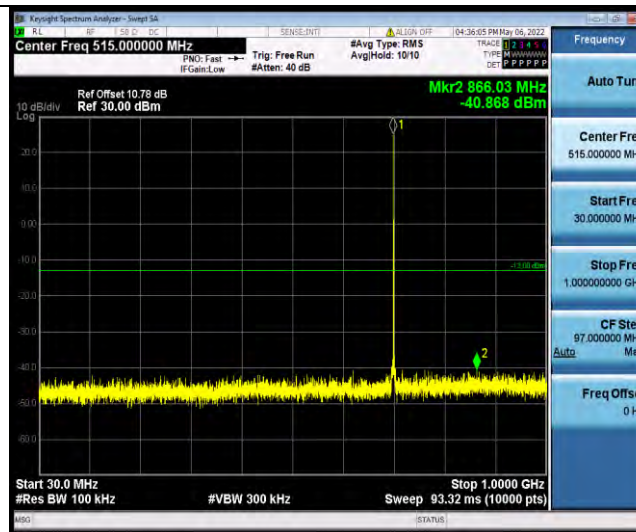


Band12-1.4MHz-16QAM-23095-1RB#0-Range1:30~1000MHz

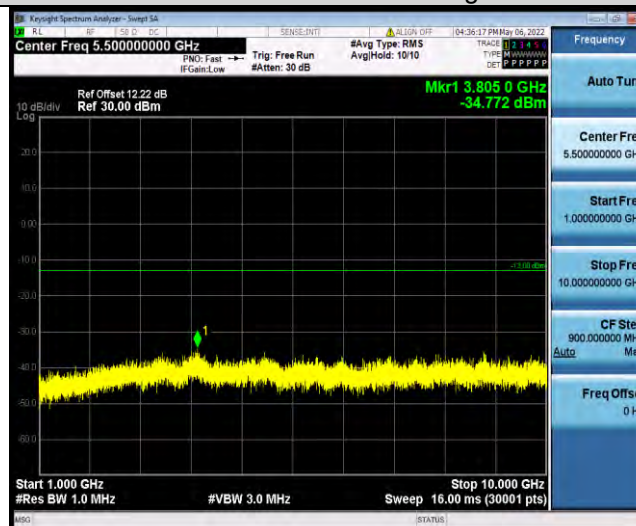


BUREAU
VERITAS

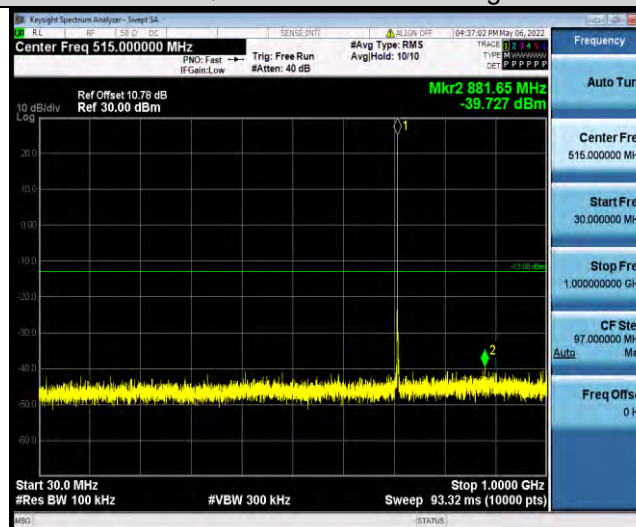
Test Report No.: W7L-P22040029RF06



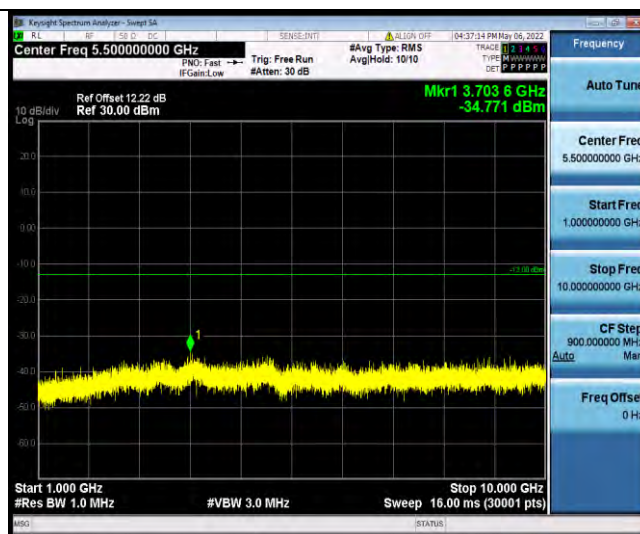
Band12-1.4MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



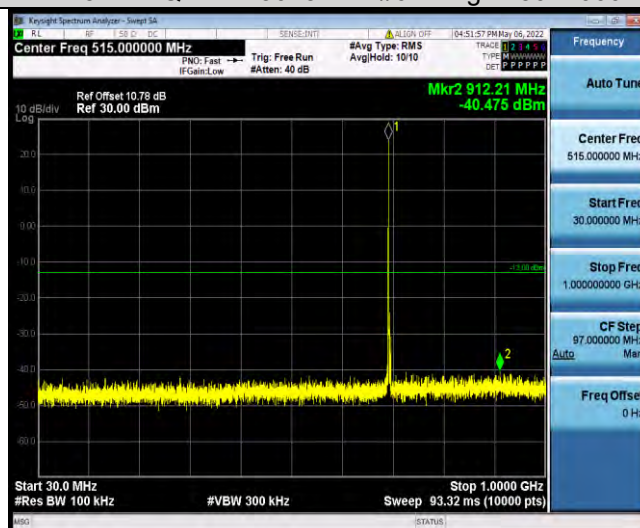
Band12-1.4MHz-16QAM-23173-1RB#0-Range1:30~1000MHz



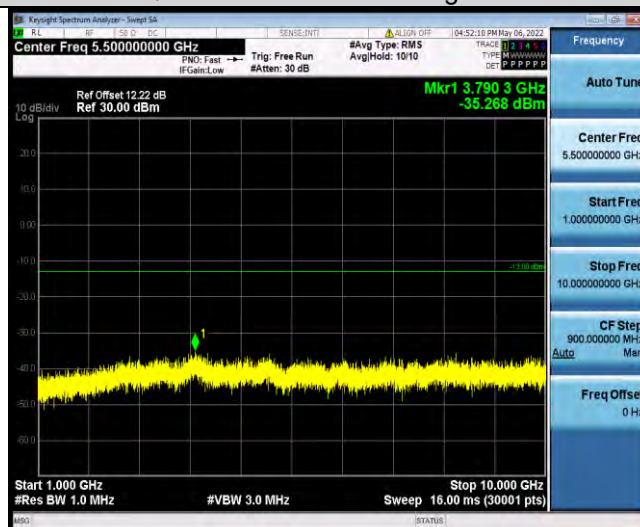
Band12-1.4MHz-16QAM-23173-1RB#0-Range2:1000~10000MHz



Band12-3MHz-QPSK-23025-1RB#0-Range1:30~1000MHz



Band12-3MHz-QPSK-23025-1RB#0-Range2:1000~10000MHz

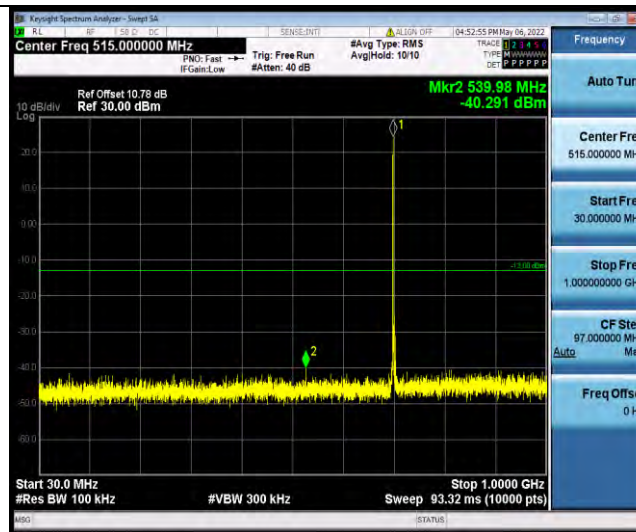


Band12-3MHz-QPSK-23095-1RB#0-Range1:30~1000MHz

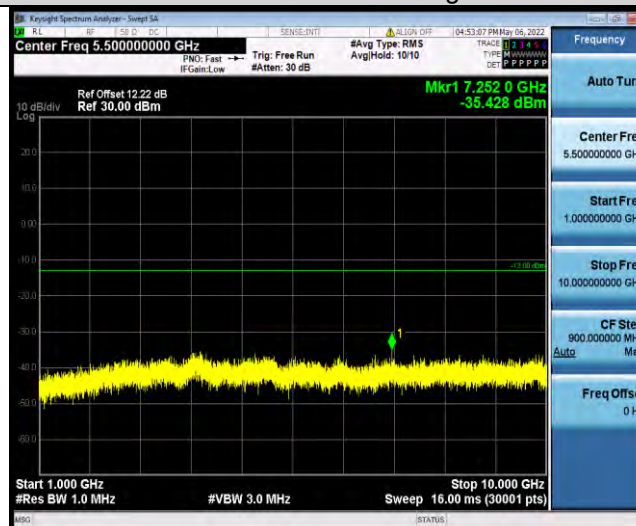


BUREAU
VERITAS

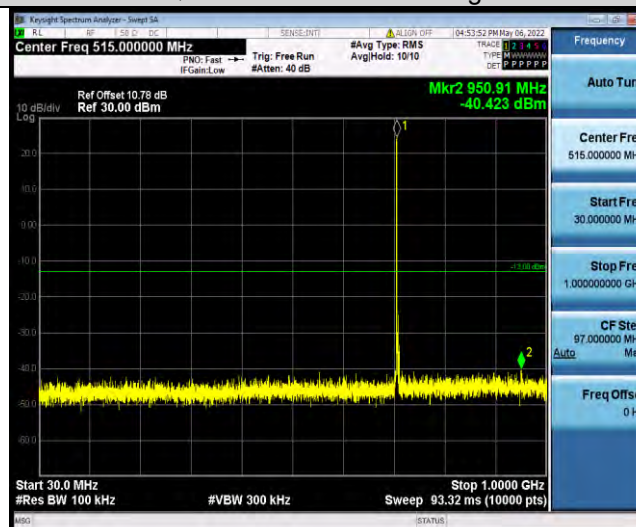
Test Report No.: W7L-P22040029RF06



Band12-3MHz-QPSK-23095-1RB#0-Range2:1000~10000MHz



Band12-3MHz-QPSK-23165-1RB#0-Range1:30~1000MHz

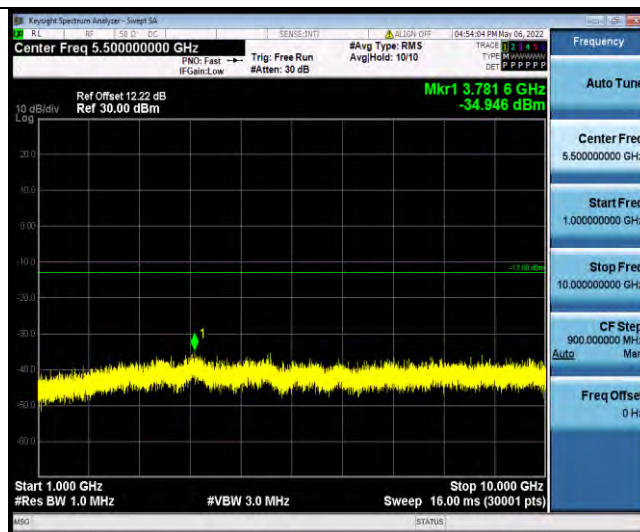


Band12-3MHz-QPSK-23165-1RB#0-Range2:1000~10000MHz

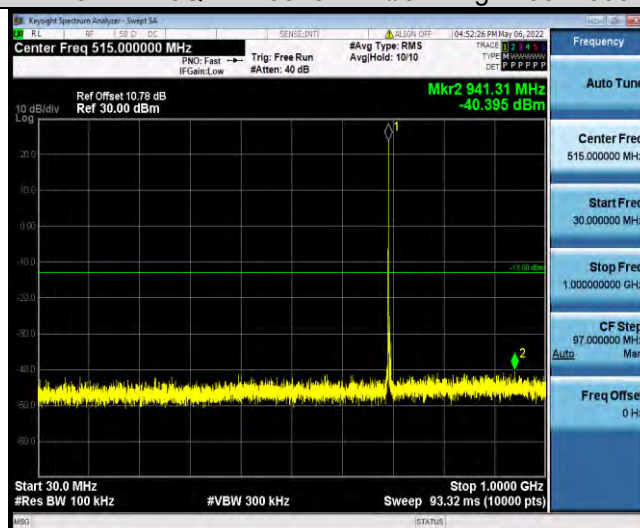


BUREAU
VERITAS

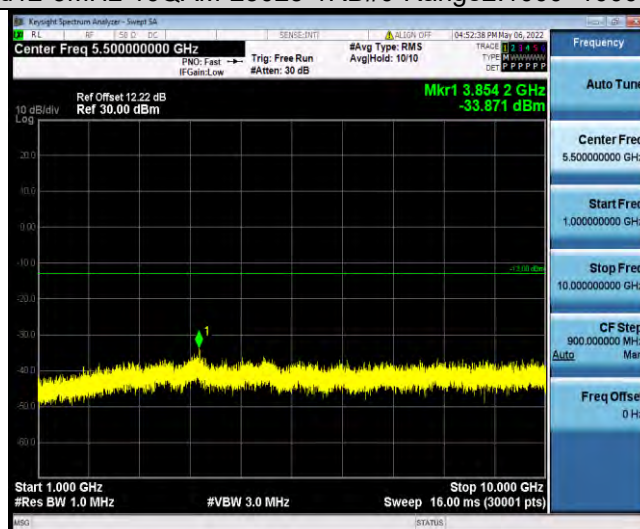
Test Report No.: W7L-P22040029RF06



Band12-3MHz-16QAM-23025-1RB#0-Range1:30~1000MHz



Band12-3MHz-16QAM-23025-1RB#0-Range2:1000~10000MHz

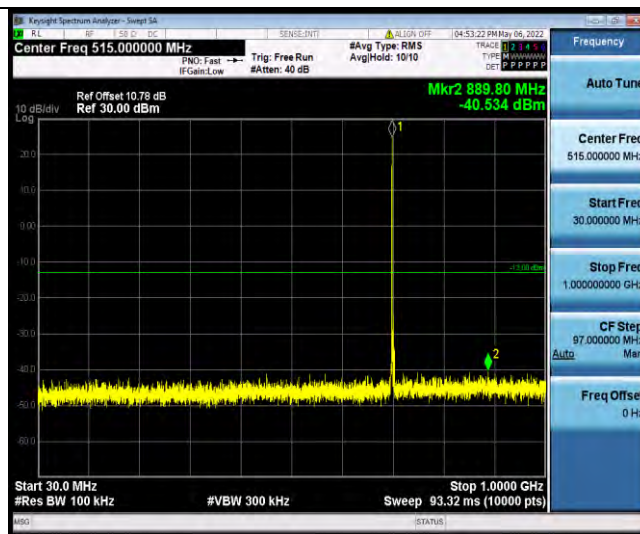


Band12-3MHz-16QAM-23095-1RB#0-Range1:30~1000MHz

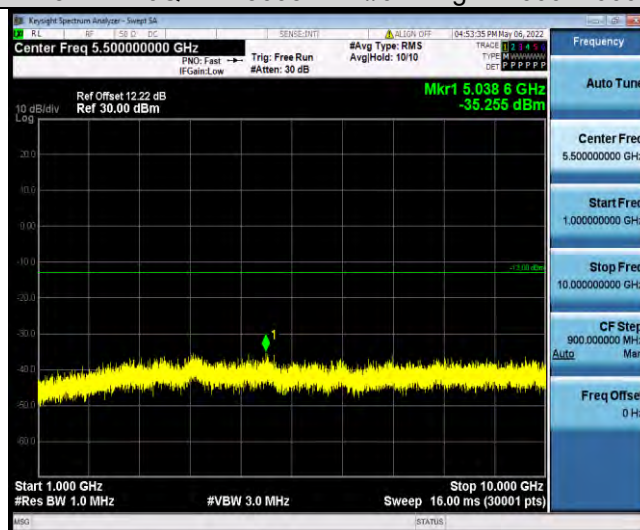


BUREAU
VERITAS

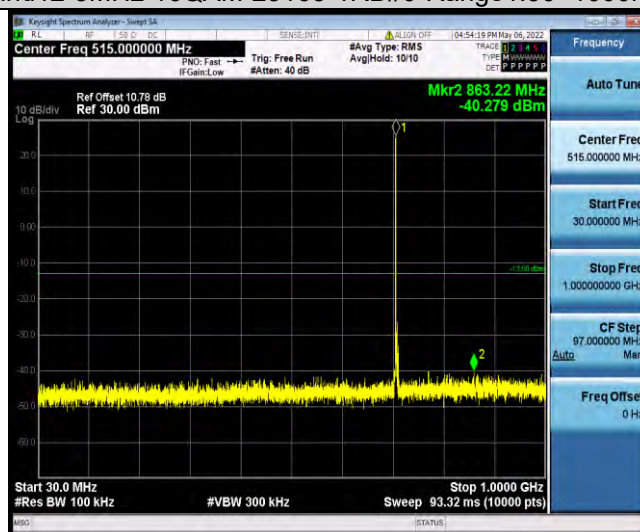
Test Report No.: W7L-P22040029RF06



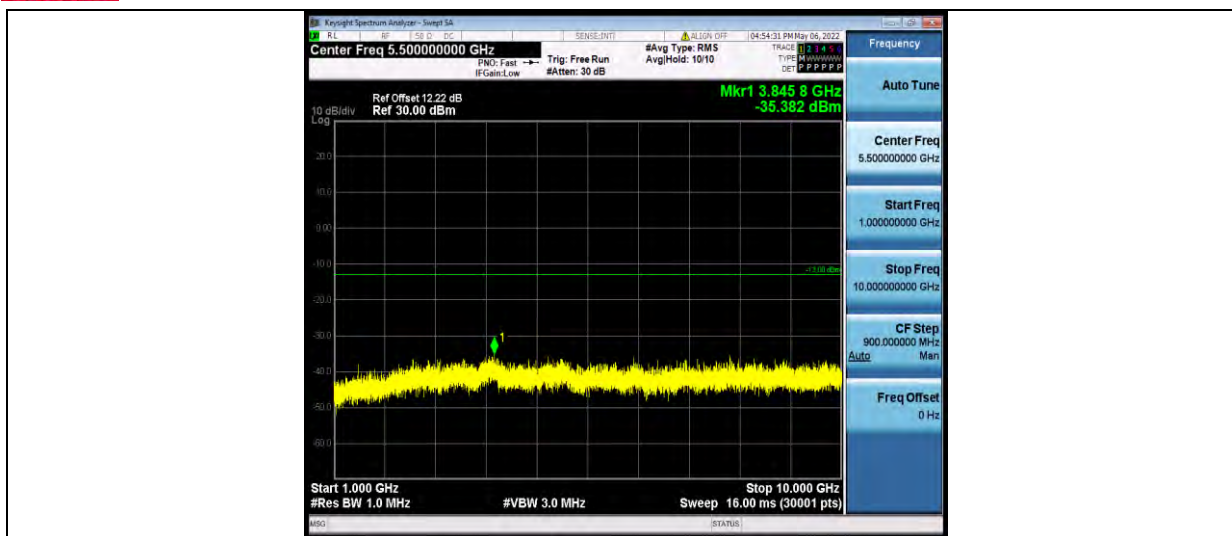
Band12-3MHz-16QAM-23095-1RB#0-Range2:1000~10000MHz



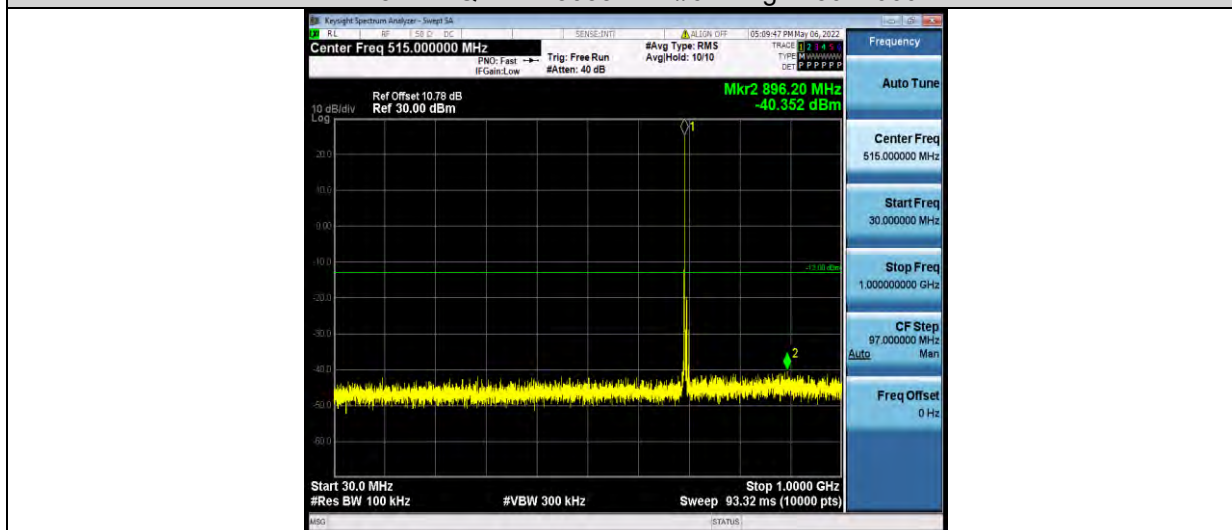
Band12-3MHz-16QAM-23165-1RB#0-Range1:30~1000MHz



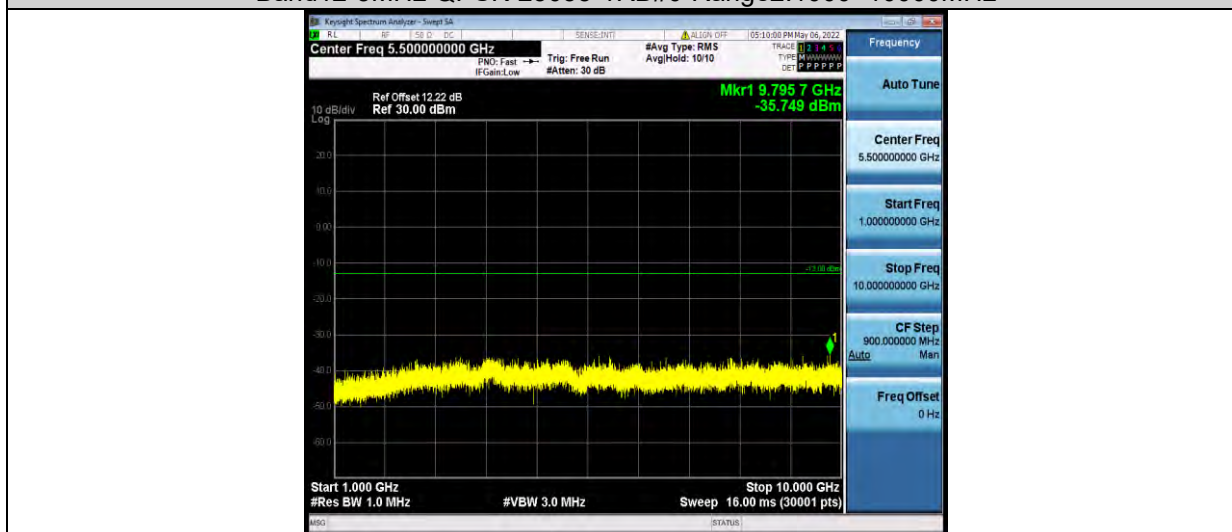
Band12-3MHz-16QAM-23165-1RB#0-Range2:1000~10000MHz



Band12-5MHz-QPSK-23035-1RB#0-Range1:30~1000MHz



Band12-5MHz-QPSK-23035-1RB#0-Range2:1000~10000MHz



Band12-5MHz-QPSK-23095-1RB#0-Range1:30~1000MHz