



BUREAU
VERITAS

Test Report No.: W7L-P21120037RF05

Band13	5MHz	QPSK	23230	25RB#0	NV	30	-1.84	-0.000979	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	40	-0.56	-0.000298	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	50	0.54	0.000287	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-30	-10.33	-0.013168	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-20	-22.80	-0.029063	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	0	-27.12	-0.034570	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	10	-35.53	-0.045290	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	20	-44.90	-0.057234	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	30	-9.56	-0.005085	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	40	-7.85	-0.004176	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	50	-6.54	-0.003479	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-30	18.15	0.023284	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-20	26.78	0.034355	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	0	33.32	0.042745	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	10	39.30	0.050417	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	20	40.25	0.051636	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	30	-5.41	-0.002878	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	40	-4.15	-0.002207	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	50	-2.78	-0.001479	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-30	18.14	0.023197	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-20	28.48	0.036419	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	0	28.88	0.036931	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	10	34.28	0.043836	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	20	41.38	0.052916	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	30	-1.84	-0.000979	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	40	-0.28	-0.000149	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	50	0.47	0.000250	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-30	24.02	0.030618	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-20	30.20	0.038496	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	0	43.09	0.054927	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	10	46.53	0.059312	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	20	49.92	0.063633	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	30	-9.82	-0.005223	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	40	-8.63	-0.004592	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	50	-7.85	-0.004175	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	15.61	0.019962	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	10.51	0.013440	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	5.44	0.006957	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	-6.15	-0.007864	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	-10.59	-0.013542	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	-6.61	-0.003515	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	-5.06	-0.002691	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	-4.09	-0.002176	±2.5	PASS



Test Report No.: W7L-P21120037RF05

Band13	10MHz	16QAM	23230	50RB#0	NV	-30	14.12	0.018056	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-20	23.65	0.030243	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	0	30.31	0.038760	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	10	35.26	0.045090	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	20	39.53	0.050550	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	30	-2.96	-0.001574	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	40	-2.01	-0.001067	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	50	-0.79	-0.000422	±2.5	PASS
Band13	5MHz	64QAM	23205	25RB#0	NV	-30	21.04	0.026992	±2.5	PASS
Band13	5MHz	64QAM	23205	25RB#0	NV	-20	28.14	0.036100	±2.5	PASS
Band13	5MHz	64QAM	23205	25RB#0	NV	0	14.20	0.018217	±2.5	PASS
Band13	5MHz	64QAM	23205	25RB#0	NV	10	19.11	0.024516	±2.5	PASS
Band13	5MHz	64QAM	23205	25RB#0	NV	20	26.18	0.033586	±2.5	PASS
Band13	5MHz	64QAM	23205	25RB#0	NV	30	2.14	0.001138	±2.5	PASS
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Band13	5MHz	64QAM	23230	25RB#0	NV	-30	14.13	0.018069	±2.5	PASS
Band13	5MHz	64QAM	23230	25RB#0	NV	-20	14.96	0.019130	±2.5	PASS
Band13	5MHz	64QAM	23230	25RB#0	NV	0	2.72	0.003478	±2.5	PASS
Band13	5MHz	64QAM	23230	25RB#0	NV	10	15.84	0.020256	±2.5	PASS
Band13	5MHz	64QAM	23230	25RB#0	NV	20	22.67	0.028990	±2.5	PASS
Band13	5MHz	64QAM	23230	25RB#0	NV	30	-9.76	-0.011668	±2.5	PASS
Band13	5MHz	64QAM	23230	25RB#0	NV	40	-9.01	-0.010772	±2.5	PASS
Band13	5MHz	64QAM	23230	25RB#0	NV	50	-7.66	-0.009156	±2.5	PASS
Band13	5MHz	64QAM	23255	25RB#0	NV	-30	4.49	0.005723	±2.5	PASS
Band13	5MHz	64QAM	23255	25RB#0	NV	-20	-7.64	-0.009739	±2.5	PASS
Band13	5MHz	64QAM	23255	25RB#0	NV	0	-10.47	-0.013346	±2.5	PASS
Band13	5MHz	64QAM	23255	25RB#0	NV	10	-5.06	-0.006450	±2.5	PASS
Band13	5MHz	64QAM	23255	25RB#0	NV	20	-10.44	-0.013308	±2.5	PASS
Band13	5MHz	64QAM	23255	25RB#0	NV	30	-6.74	-0.008059	±2.5	PASS
Band13	5MHz	64QAM	23255	25RB#0	NV	40	-5.37	-0.006419	±2.5	PASS
Band13	5MHz	64QAM	23255	25RB#0	NV	50	-4.17	-0.004982	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	-30	-4.71	-0.006023	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	-20	-8.63	-0.011036	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	0	-11.50	-0.014706	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	10	-10.43	-0.013338	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	20	-9.40	-0.012020	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	30	-2.97	-0.003551	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	40	-1.89	-0.002264	±2.5	PASS
Band13	10MHz	64QAM	23230	50RB#0	NV	50	-0.24	-0.000286	±2.5	PASS

**LTE BAND17****PEAK-TO-AVERAGE RATIO(CCDF)****Test Result**

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	4.05	13	PASS
Band17	5MHz	QPSK	23755	25RB#0	4.97	13	PASS
Band17	5MHz	QPSK	23790	1RB#0	4.34	13	PASS
Band17	5MHz	QPSK	23790	25RB#0	5.01	13	PASS
Band17	5MHz	QPSK	23825	1RB#0	4.48	13	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.87	13	PASS
Band17	5MHz	16QAM	23755	1RB#0	5.24	13	PASS
Band17	5MHz	16QAM	23755	25RB#0	5.88	13	PASS
Band17	5MHz	16QAM	23790	1RB#0	5.58	13	PASS
Band17	5MHz	16QAM	23790	25RB#0	5.73	13	PASS
Band17	5MHz	16QAM	23825	1RB#0	5.12	13	PASS
Band17	5MHz	16QAM	23825	25RB#0	5.69	13	PASS
Band17	10MHz	QPSK	23780	1RB#0	4.23	13	PASS
Band17	10MHz	QPSK	23780	50RB#0	5.10	13	PASS
Band17	10MHz	QPSK	23790	1RB#0	4.30	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.05	13	PASS
Band17	10MHz	QPSK	23800	1RB#0	4.14	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	5.03	13	PASS
Band17	10MHz	16QAM	23780	1RB#0	5.15	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	5.92	13	PASS
Band17	10MHz	16QAM	23790	1RB#0	5.16	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	5.77	13	PASS
Band17	10MHz	16QAM	23800	1RB#0	5.16	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	5.74	13	PASS
Band17	5MHz	64QAM	23755	1RB#0	5.88	13	PASS
Band17	5MHz	64QAM	23755	25RB#0	6.22	13	PASS
Band17	5MHz	64QAM	23790	1RB#0	5.44	13	PASS
Band17	5MHz	64QAM	23790	25RB#0	6.29	13	PASS
Band17	5MHz	64QAM	23825	1RB#0	5.44	13	PASS
Band17	5MHz	64QAM	23825	25RB#0	6.31	13	PASS
Band17	10MHz	64QAM	23780	1RB#0	5.62	13	PASS
Band17	10MHz	64QAM	23780	50RB#0	6.17	13	PASS
Band17	10MHz	64QAM	23790	1RB#0	5.44	13	PASS
Band17	10MHz	64QAM	23790	50RB#0	6.32	13	PASS
Band17	10MHz	64QAM	23800	1RB#0	4.93	13	PASS
Band17	10MHz	64QAM	23800	50RB#0	6.31	13	PASS

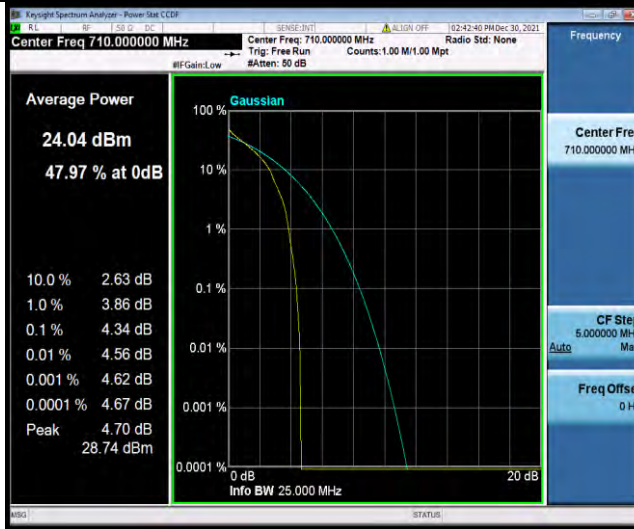
Test Graphs



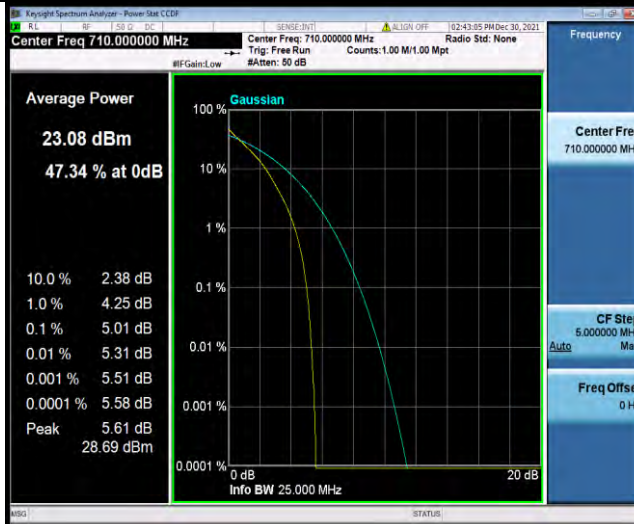


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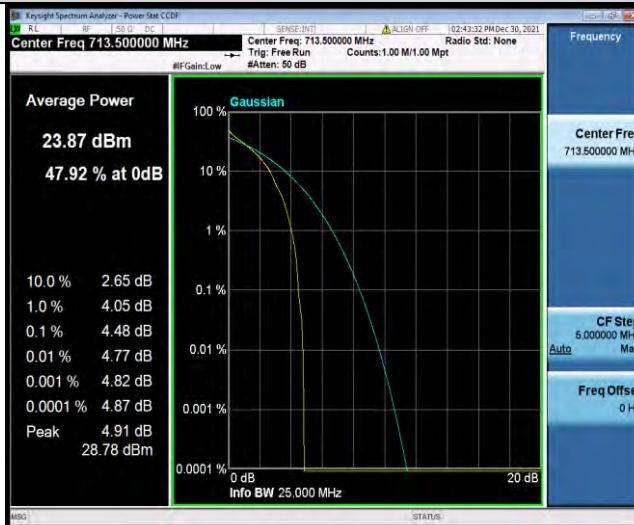
Test Report No.: W7L-P21120037RF05



Band17-5MHz-QPSK-23790-25RB#0



Band17-5MHz-QPSK-23825-1RB#0

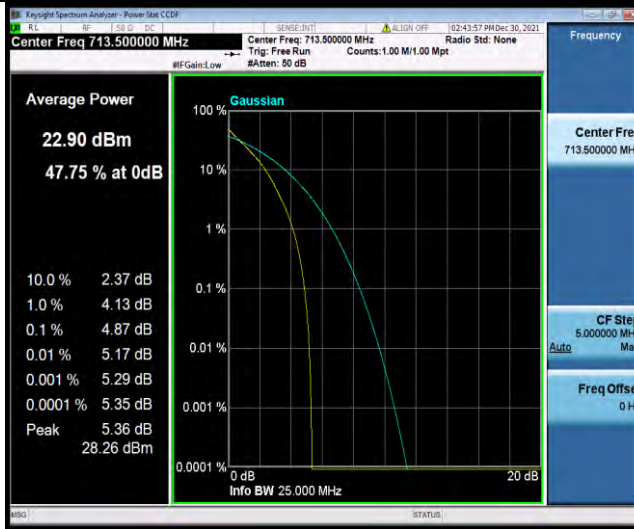


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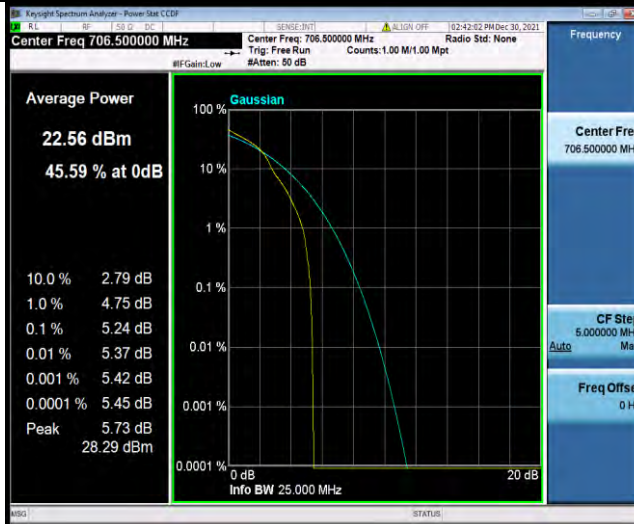


BUREAU VERITAS

Test Report No.: W7L-P21120037RF05



Band17-5MHz-16QAM-23755-1RB#0



Band17-5MHz-16QAM-23755-25RB#0

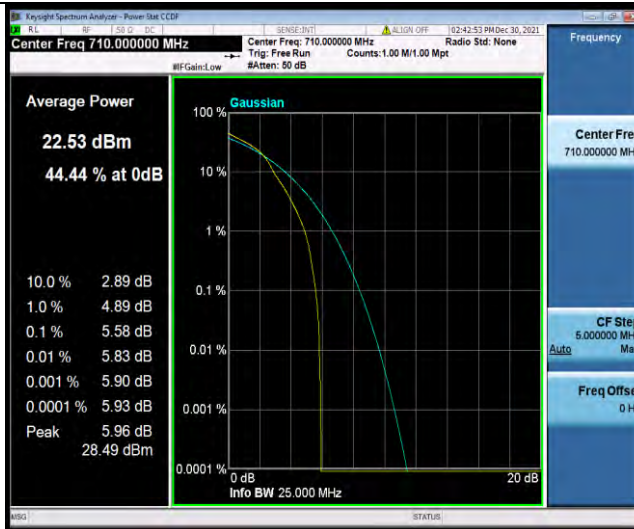


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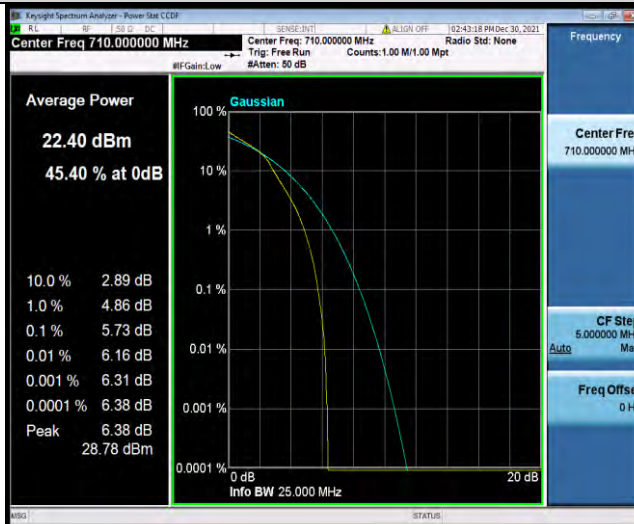


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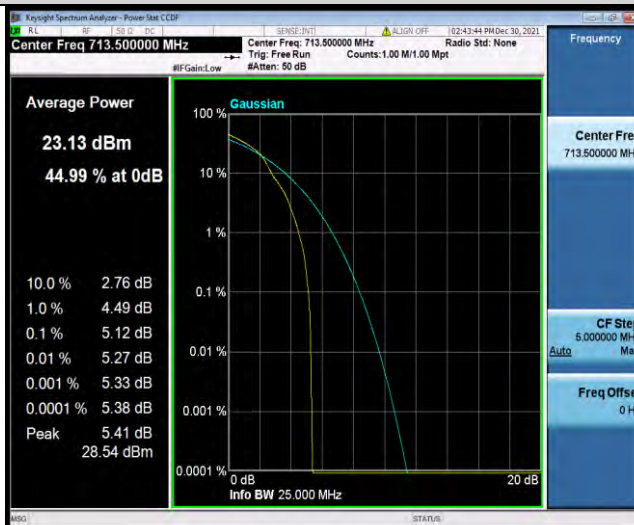
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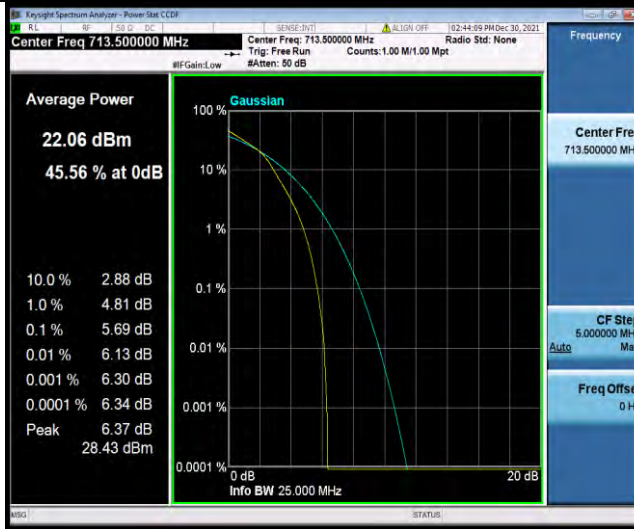


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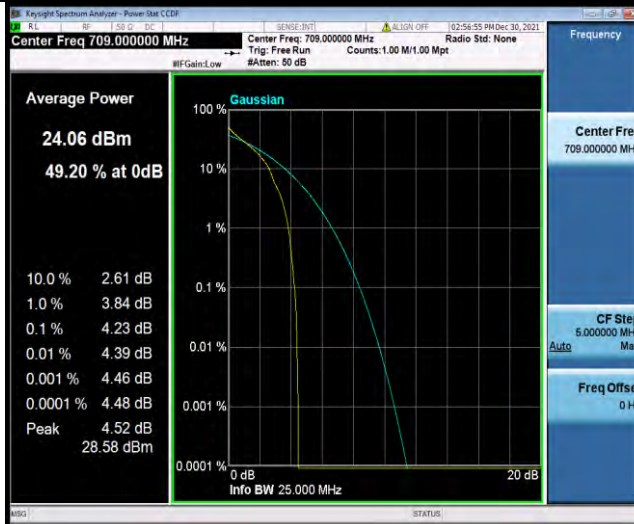


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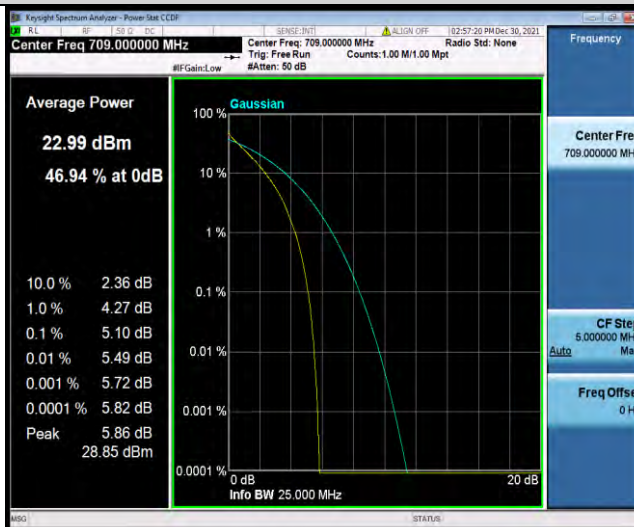
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Band17-10MHz-QPSK-23780-1RB#0



Band17-10MHz-QPSK-23780-50RB#0

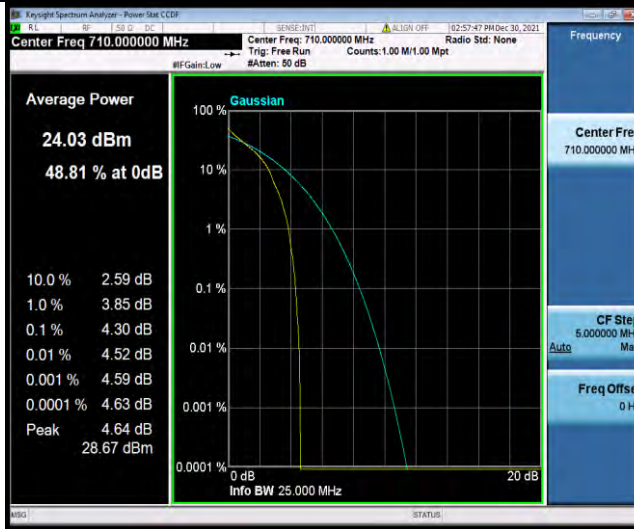


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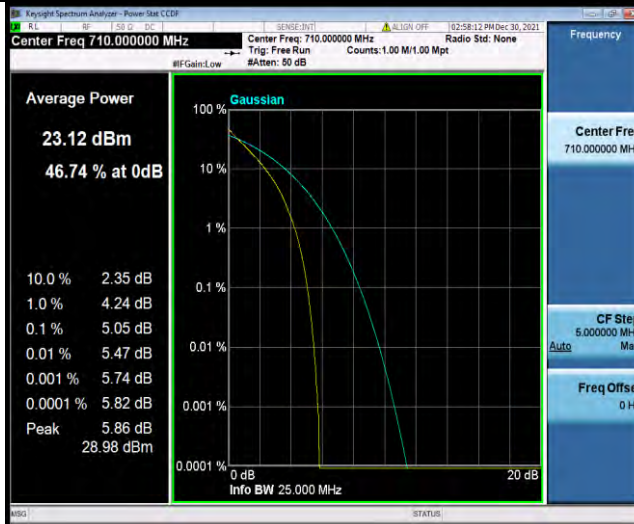


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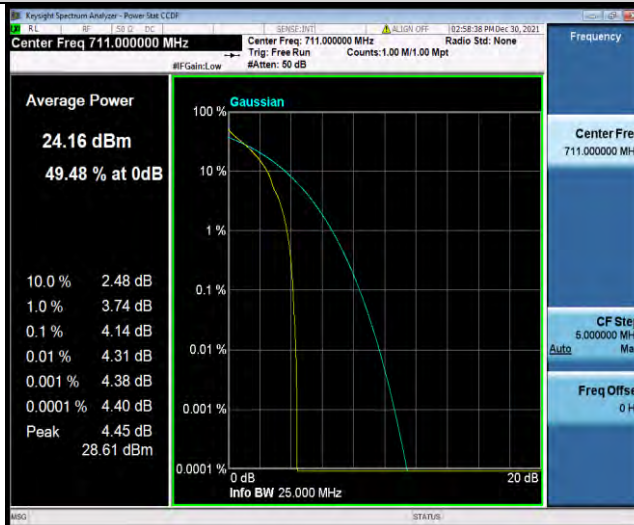
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Band17-10MHz-QPSK-23790-50RB#0



Band17-10MHz-QPSK-23800-1RB#0

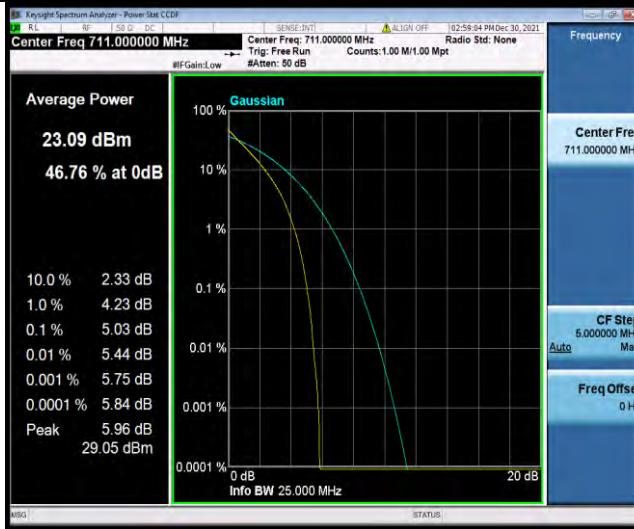


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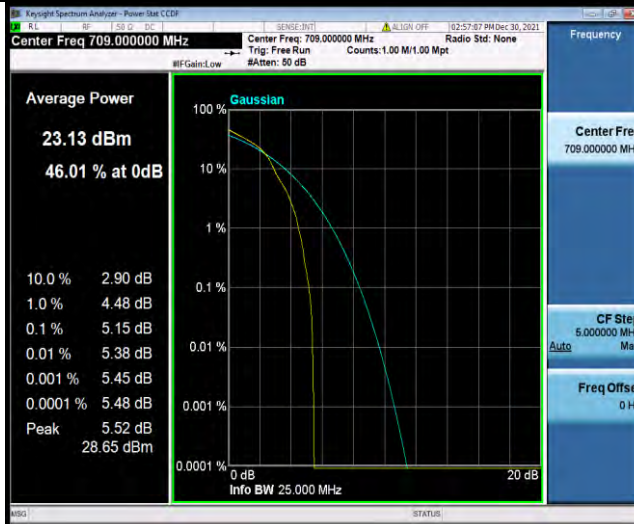


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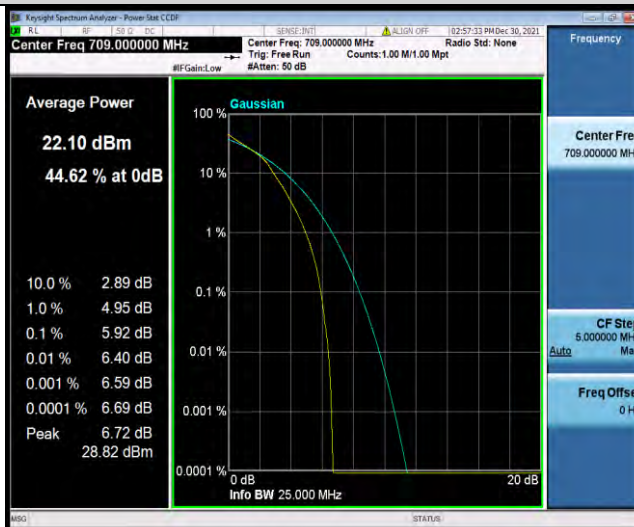
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Band17-10MHz-16QAM-23780-1RB#0



Band17-10MHz-16QAM-23780-50RB#0

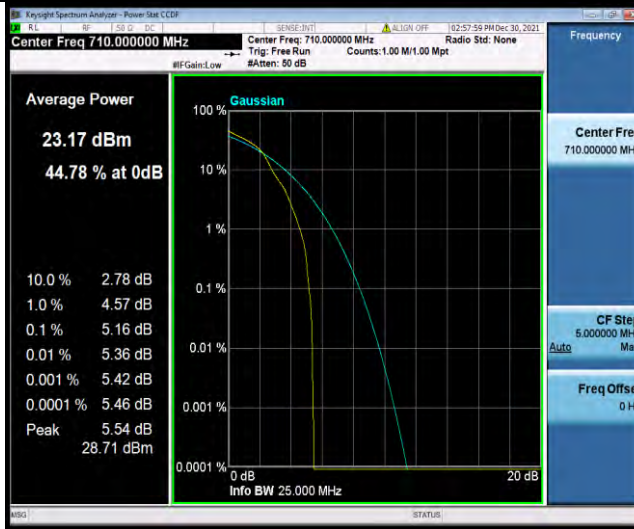


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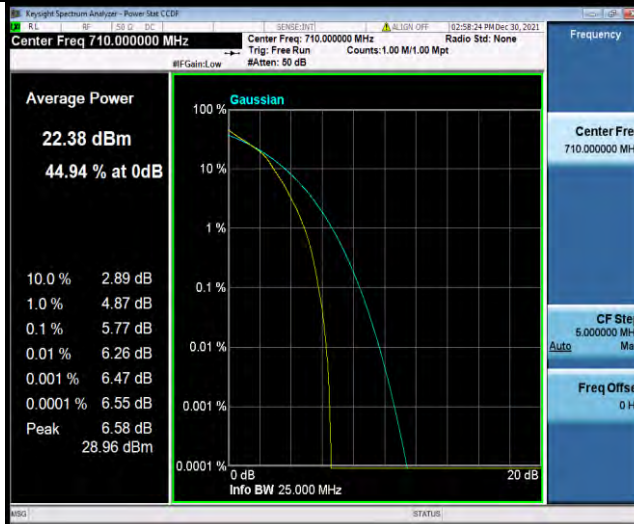


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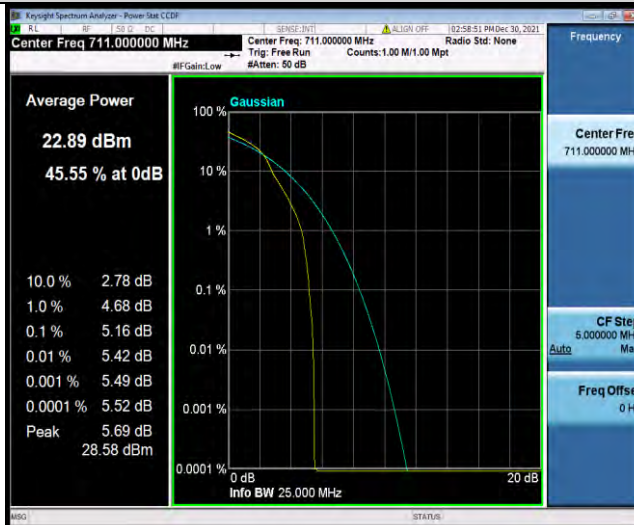
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Band17-10MHz-16QAM-23790-50RB#0



Band17-10MHz-16QAM-23800-1RB#0



Band17-10MHz-16QAM-23800-50RB#0

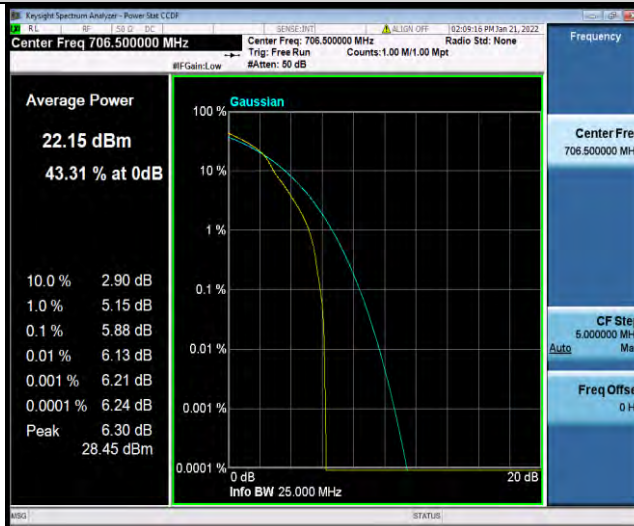


BUREAU VERITAS

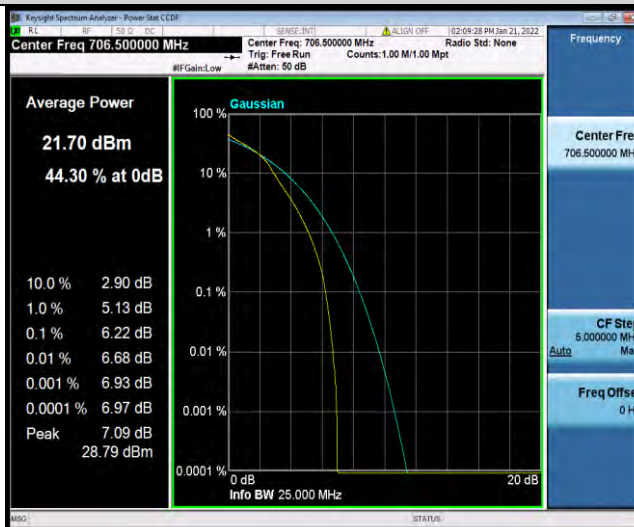
Test Report No.: W7L-P21120037RF05



Band17-5MHz-64QAM-23755-1RB#0



Band17-5MHz-64QAM-23755-25RB#0



Band17-5MHz-64QAM-23790-1RB#0

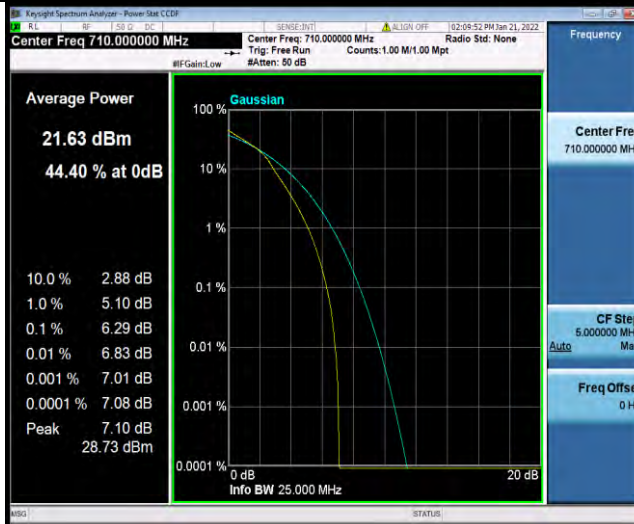


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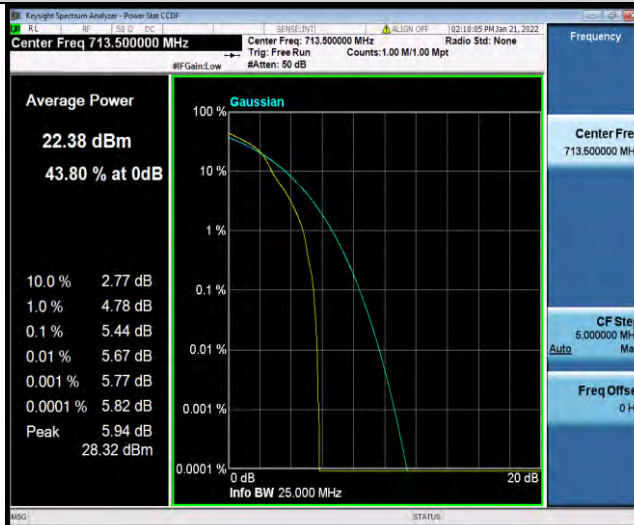
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Band17-5MHz-64QAM-23790-25RB#0



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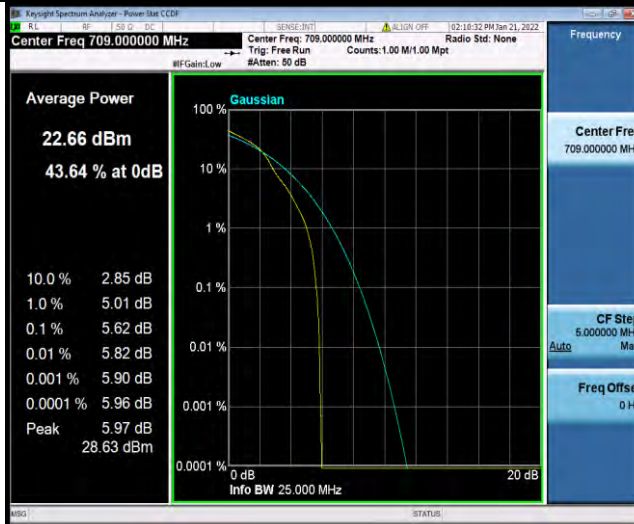


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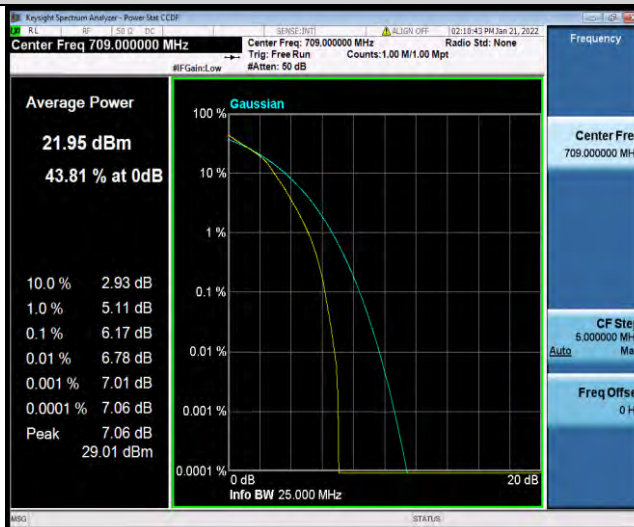
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Band17-10MHz-64QAM-23780-1RB#0



Band17-10MHz-64QAM-23780-50RB#0

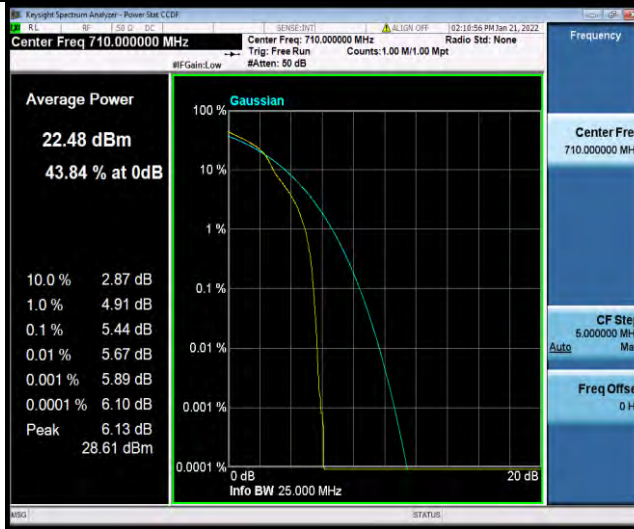


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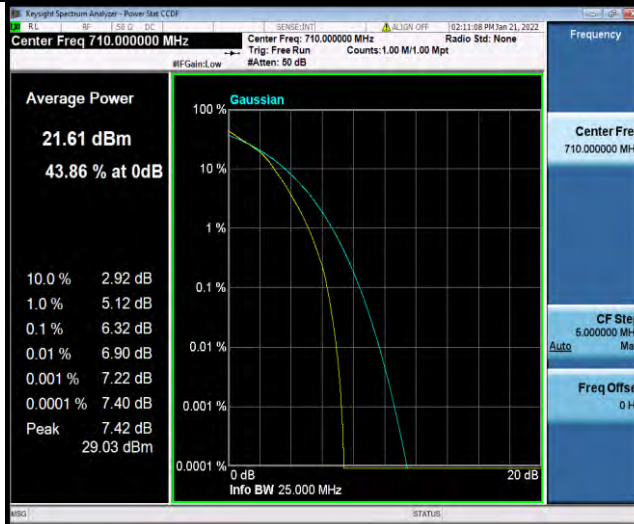


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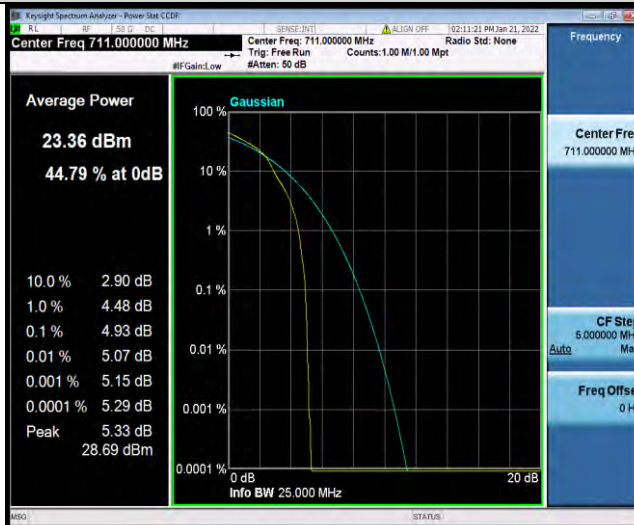
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Band17-10MHz-64QAM-23790-50RB#0



Band17-10MHz-64QAM-23800-1RB#0

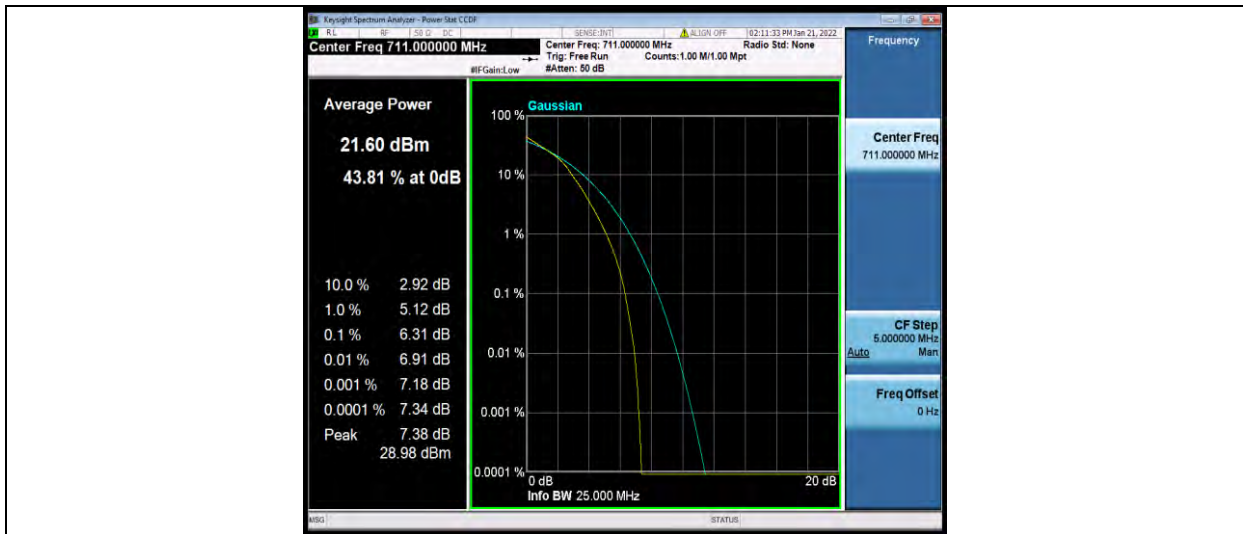


Band17-10MHz-64QAM-23800-50RB#0



BUREAU
VERITAS

Test Report No.: W7L-P21120037RF05





Test Report No.: W7L-P21120037RF05

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.4966	4.889	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.4928	4.890	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5029	4.880	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.5020	4.869	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.4951	4.894	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5014	4.861	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.9861	9.563	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.9936	9.561	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.9659	9.555	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.9697	9.550	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.9789	9.622	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.9790	9.584	PASS
Band17	5MHz	64QAM	23755	25RB#0	4.5017	4.876	PASS
Band17	5MHz	64QAM	23790	25RB#0	4.4946	4.903	PASS
Band17	5MHz	64QAM	23825	25RB#0	4.4994	4.870	PASS
Band17	10MHz	64QAM	23780	50RB#0	8.9733	9.571	PASS
Band17	10MHz	64QAM	23790	50RB#0	8.9841	9.582	PASS
Band17	10MHz	64QAM	23800	50RB#0	8.9736	9.567	PASS



Test Report No.: W7L-P21120037RF05

Test Graphs





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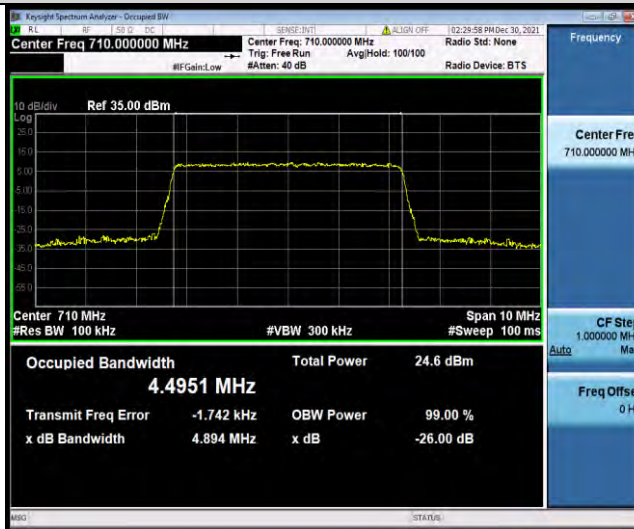
Test Report No.: W7L-P21120037RF05



Band17-5MHz-16QAM-23755-25RB#0



Band17-5MHz-16QAM-23790-25RB#0



Band17-5MHz-16QAM-23825-25RB#0

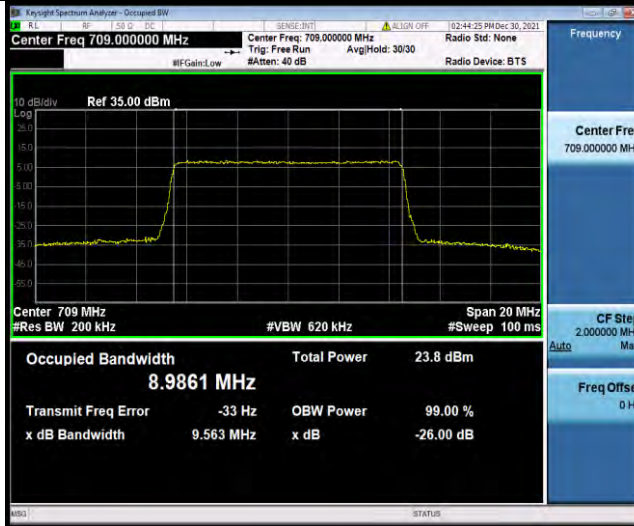


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Test Report No.: W7L-P21120037RF05



Band17-10MHz-QPSK-23780-50RB#0



Band17-10MHz-QPSK-23790-50RB#0



Band17-10MHz-QPSK-23800-50RB#0



BUREAU VERITAS

Test Report No.: W7L-P21120037RF05



Band17-10MHz-16QAM-23780-50RB#0



Band17-10MHz-16QAM-23790-50RB#0



Band17-10MHz-16QAM-23800-50RB#0

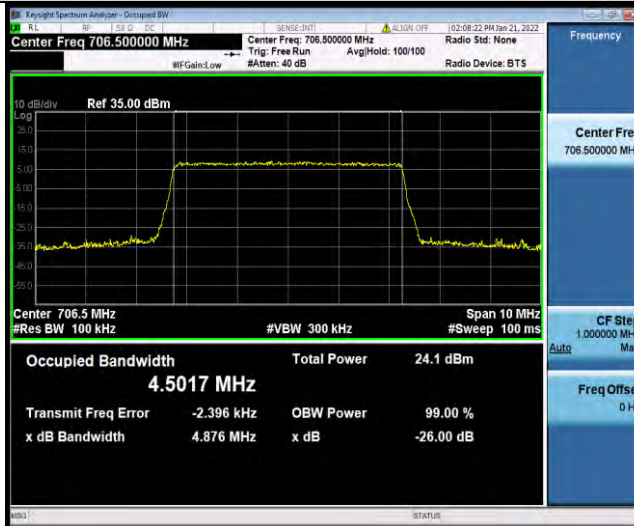


BUREAU VERITAS

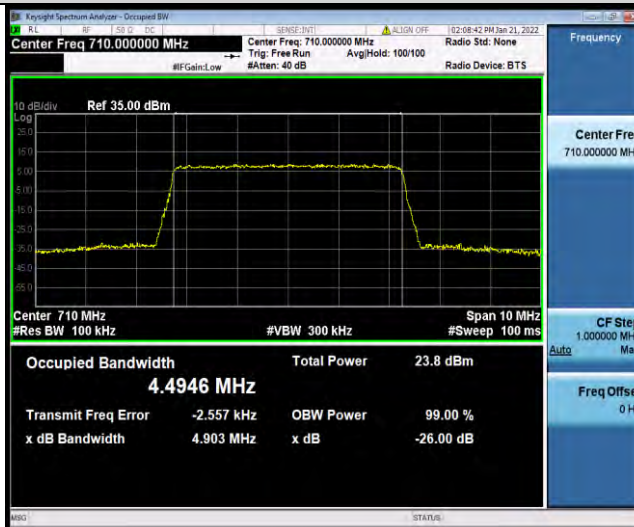
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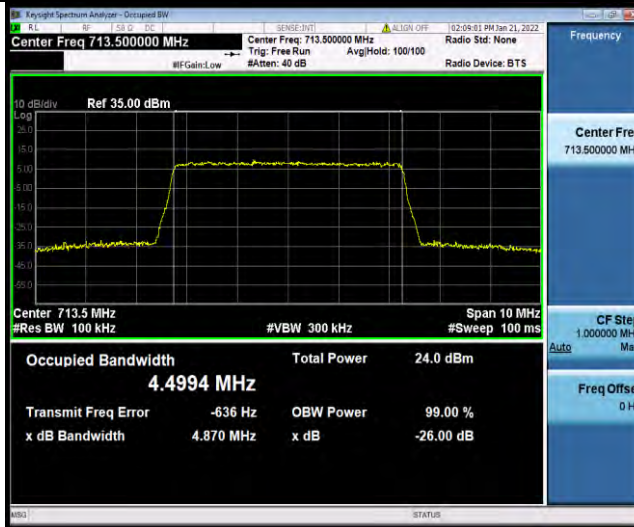


Band17-5MHz-64QAM-23825-25RB#0



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Test Report No.: W7L-P21120037RF05



Band17-10MHz-64QAM-23780-50RB#0



Band17-10MHz-64QAM-23790-50RB#0



Band17-10MHz-64QAM-23800-50RB#0



BUREAU VERITAS

Test Report No.: W7L-P21120037RF05





BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	-14.42	PASS
Band17	5MHz	QPSK	23755	25RB#0	-25.86	PASS
Band17	5MHz	QPSK	23825	1RB#24	-15.42	PASS
Band17	5MHz	QPSK	23825	25RB#0	-26.50	PASS
Band17	5MHz	16QAM	23755	1RB#0	-16.30	PASS
Band17	5MHz	16QAM	23755	25RB#0	-26.95	PASS
Band17	5MHz	16QAM	23825	1RB#24	-15.75	PASS
Band17	5MHz	16QAM	23825	25RB#0	-27.33	PASS
Band17	10MHz	QPSK	23780	1RB#0	-23.95,-17.15	PASS
Band17	10MHz	QPSK	23780	50RB#0	-32.33,-28.99	PASS
Band17	10MHz	QPSK	23800	1RB#49	-16.95,-21.86	PASS
Band17	10MHz	QPSK	23800	50RB#0	-28.66,-31.71	PASS
Band17	10MHz	16QAM	23780	1RB#0	-24.31,-18.83	PASS
Band17	10MHz	16QAM	23780	50RB#0	-32.66,-30.11	PASS
Band17	10MHz	16QAM	23800	1RB#49	-17.87,-23.70	PASS
Band17	10MHz	16QAM	23800	50RB#0	-28.84,-31.57	PASS
Band17	5MHz	64QAM	23755	1RB#0	-16.83	PASS
Band17	5MHz	64QAM	23755	25RB#0	-27.52	PASS
Band17	5MHz	64QAM	23825	1RB#24	-16.74	PASS
Band17	5MHz	64QAM	23825	25RB#0	-28.44	PASS
Band17	10MHz	64QAM	23780	1RB#0	-24.92,-18.57	PASS
Band17	10MHz	64QAM	23780	50RB#0	-33.02,-30.34	PASS
Band17	10MHz	64QAM	23800	1RB#49	-18.04,-24.01	PASS
Band17	10MHz	64QAM	23800	50RB#0	-30.37,-33.48	PASS

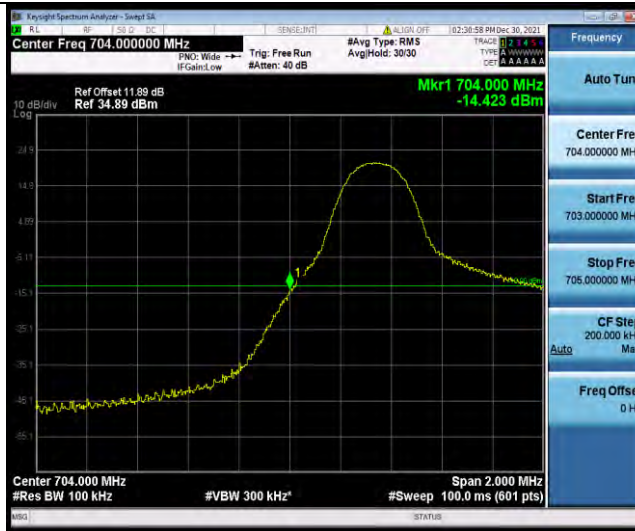
Test Graphs

Band17-5MHz-QPSK-23755-1RB#0



BUREAU VERITAS

Test Report No.: W7L-P21120037RF05



Band17-5MHz-QPSK-23755-25RB#0



Band17-5MHz-QPSK-23825-1RB#24



Band17-5MHz-QPSK-23825-25RB#0

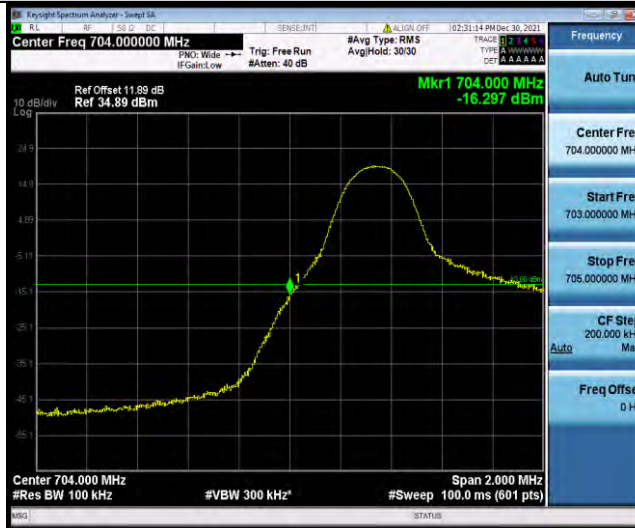


BUREAU VERITAS

Test Report No.: W7L-P21120037RF05



Band17-5MHz-16QAM-23755-1RB#0



Band17-5MHz-16QAM-23755-25RB#0

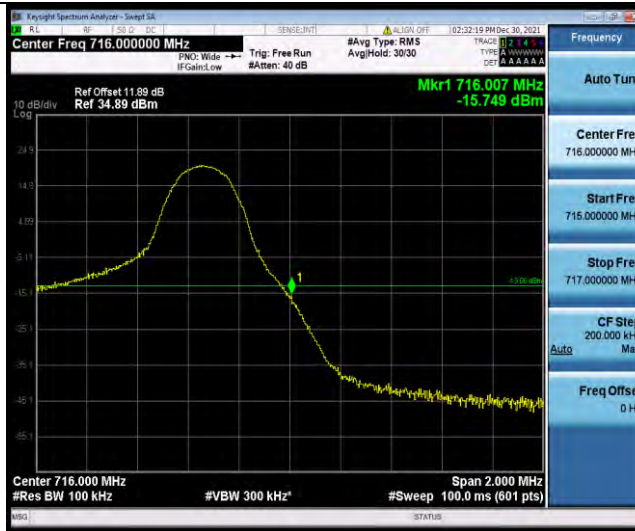


Band17-5MHz-16QAM-23825-1RB#24



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Test Report No.: W7L-P21120037RF05



Band17-5MHz-16QAM-23825-25RB#0



Band17-10MHz-QPSK-23780-1RB#0



Band17-10MHz-QPSK-23780-50RB#0



BUREAU VERITAS

Test Report No.: W7L-P21120037RF05



Band17-10MHz-QPSK-23800-1RB#49



Band17-10MHz-QPSK-23800-50RB#0



Band17-10MHz-16QAM-23780-1RB#0



BUREAU VERITAS

Test Report No.: W7L-P21120037RF05



Band17-10MHz-16QAM-23780-50RB#0



Band17-10MHz-16QAM-23800-1RB#49



Band17-10MHz-16QAM-23800-50RB#0



BUREAU VERITAS

Test Report No.: W7L-P21120037RF05



Band17-5MHz-64QAM-23755-1RB#0



Band17-5MHz-64QAM-23755-25RB#0



Band17-5MHz-64QAM-23825-1RB#24



BUREAU VERITAS

Test Report No.: W7L-P21120037RF05



Band17-5MHz-64QAM-23825-25RB#0



Band17-10MHz-64QAM-23780-1RB#0



Band17-10MHz-64QAM-23780-50RB#0



BUREAU VERITAS

Test Report No.: W7L-P21120037RF05



Band17-10MHz-64QAM-23800-1RB#49



Band17-10MHz-64QAM-23800-50RB#0

