



BUREAU VERITAS

Test Report No.: W7L-P23030016RF06





Test Report No.: W7L-P23030016RF06

BAND EDGE

Test Result

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band4	1312	1710.00	-27.15	-13	PASS
Band4	1513	1755.15	-27.24	-13	PASS



Test Report No.: W7L-P23030016RF06

Test Graphs





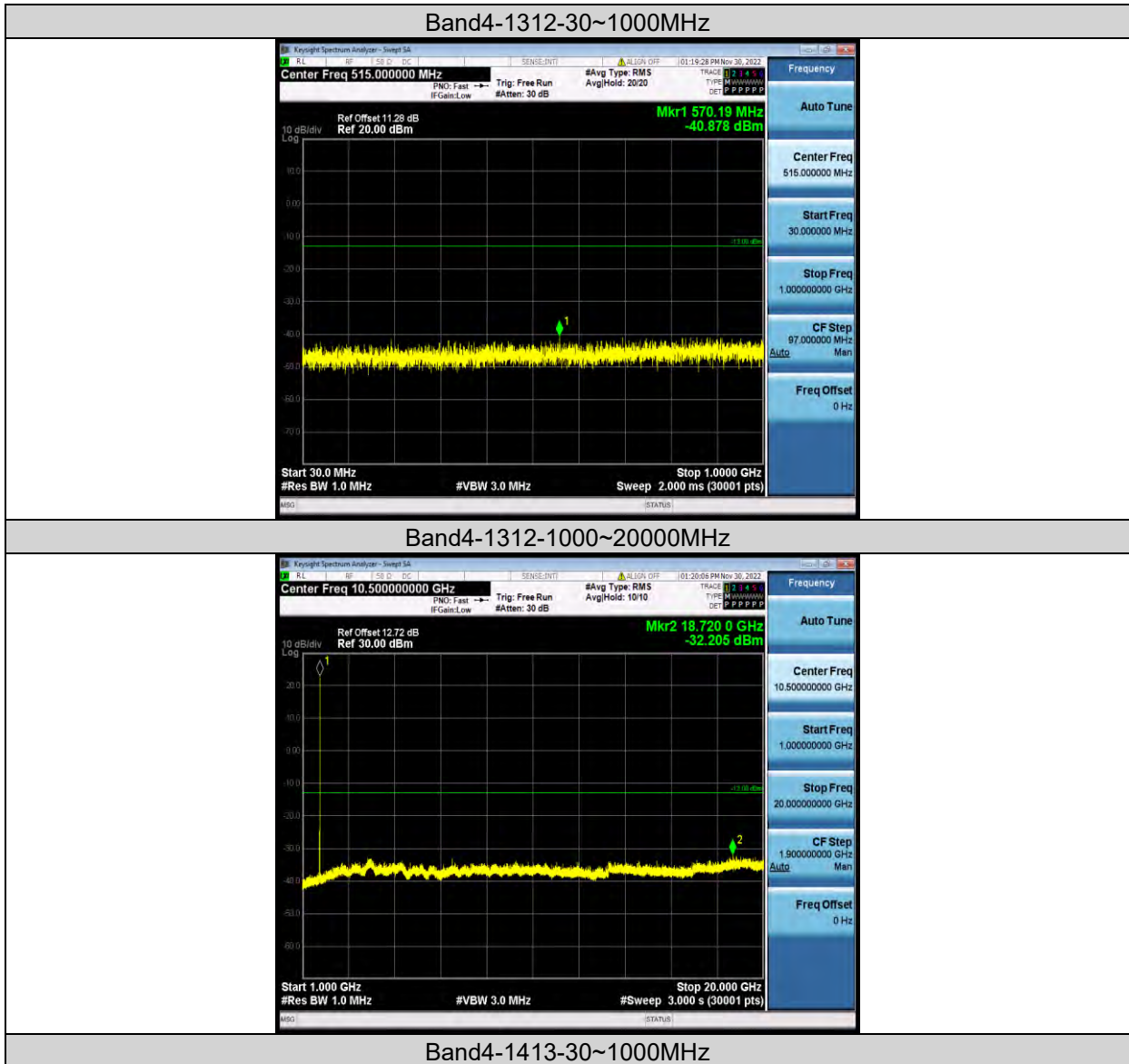
Test Report No.: W7L-P23030016RF06

CONDUCTED SPURIOUS EMISSION

Test Result

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band4	1312	30~1000MHz	570.19	-40.88	-13	PASS
Band4	1312	1000~20000MHz	18720.03	-32.21	-13	PASS
Band4	1413	30~1000MHz	955.12	-39.73	-13	PASS
Band4	1413	1000~20000MHz	19101.3	-31.76	-13	PASS
Band4	1513	30~1000MHz	872.38	-38.32	-13	PASS
Band4	1513	1000~20000MHz	19102.57	-31.85	-13	PASS

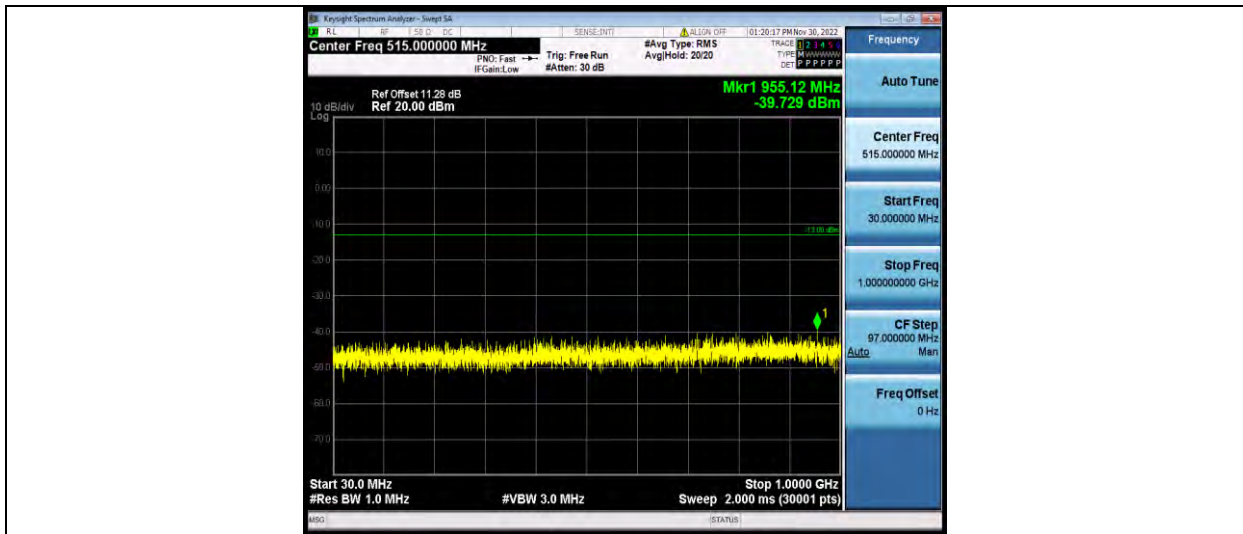
Test Graphs





BUREAU VERITAS

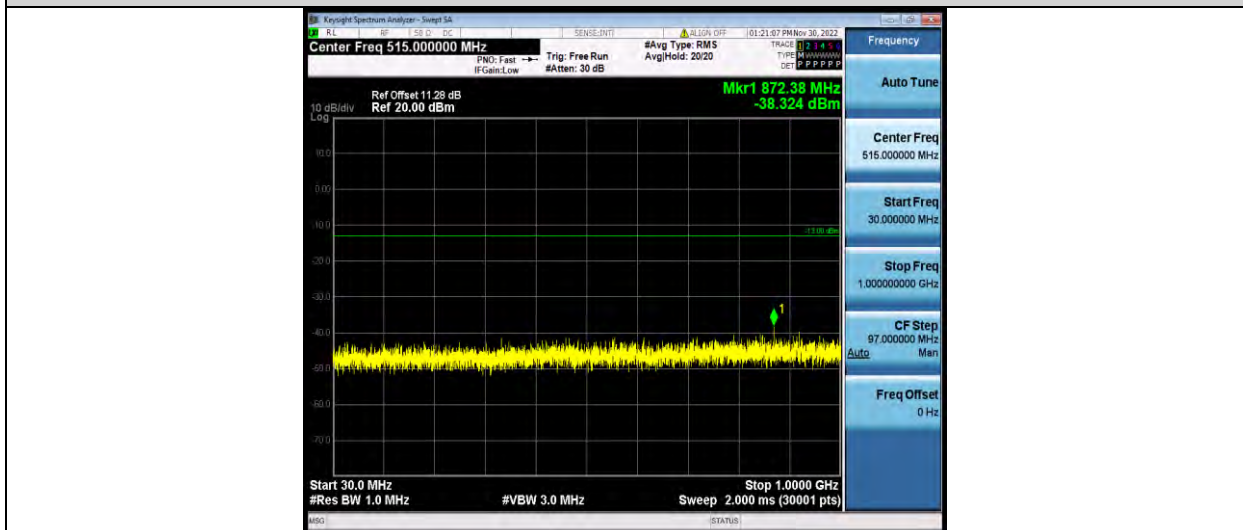
Test Report No.: W7L-P23030016RF06



Band4-1413-1000~20000MHz



Band4-1513-30~1000MHz



Band4-1513-1000~20000MHz



BUREAU
VERITAS

Test Report No.: W7L-P23030016RF06





Test Report No.: W7L-P23030016RF06

FREQUENCY STABILITY

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	VL	NT	10.04	0.005863	±2.5	PASS
Band4	1312	VN	NT	9.79	0.005717	±2.5	PASS
Band4	1312	VH	NT	9.85	0.005752	±2.5	PASS
Band4	1413	VL	NT	-2.98	-0.001720	±2.5	PASS
Band4	1413	VN	NT	-3.53	-0.002037	±2.5	PASS
Band4	1413	VH	NT	-3.39	-0.001957	±2.5	PASS
Band4	1513	VL	NT	-8.98	-0.005124	±2.5	PASS
Band4	1513	VN	NT	-8.88	-0.005067	±2.5	PASS
Band4	1513	VH	NT	-8.81	-0.005027	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	NV	-30	9.99	0.005834	±2.5	PASS
Band4	1312	NV	-20	10.26	0.005992	±2.5	PASS
Band4	1312	NV	0	10.06	0.005875	±2.5	PASS
Band4	1312	NV	10	9.88	0.005770	±2.5	PASS
Band4	1312	NV	20	10.23	0.005974	±2.5	PASS
Band4	1312	NV	30	10.03	0.005857	±2.5	PASS
Band4	1312	NV	40	10.39	0.006068	±2.5	PASS
Band4	1312	NV	50	10.54	0.006155	±2.5	PASS
Band4	1413	NV	-30	-3.20	-0.001847	±2.5	PASS
Band4	1413	NV	-20	-2.88	-0.001662	±2.5	PASS
Band4	1413	NV	0	-2.84	-0.001639	±2.5	PASS
Band4	1413	NV	10	-3.07	-0.001772	±2.5	PASS
Band4	1413	NV	20	-3.37	-0.001945	±2.5	PASS
Band4	1413	NV	30	-3.08	-0.001778	±2.5	PASS
Band4	1413	NV	40	-2.99	-0.001726	±2.5	PASS
Band4	1413	NV	50	-2.85	-0.001645	±2.5	PASS
Band4	1513	NV	-30	-8.73	-0.004981	±2.5	PASS
Band4	1513	NV	-20	-9.06	-0.005169	±2.5	PASS
Band4	1513	NV	0	-9.11	-0.005198	±2.5	PASS
Band4	1513	NV	10	-9.53	-0.005438	±2.5	PASS
Band4	1513	NV	20	-9.65	-0.005506	±2.5	PASS
Band4	1513	NV	30	-9.53	-0.005438	±2.5	PASS
Band4	1513	NV	40	-9.71	-0.005540	±2.5	PASS
Band4	1513	NV	50	-9.48	-0.005409	±2.5	PASS



BUREAU
VERITAS

Test Report No.: W7L-P23030016RF06

LTE BAND7

PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	3.54	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	4.99	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	3.54	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.70	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	3.23	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.52	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	5.18	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.78	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	5.06	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.57	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	4.54	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.35	13	PASS
Band7	5MHz	64QAM	20775	1RB#0	6.00	13	PASS
Band7	5MHz	64QAM	20775	25RB#0	6.42	13	PASS
Band7	5MHz	64QAM	21100	1RB#0	6.37	13	PASS
Band7	5MHz	64QAM	21100	25RB#0	6.51	13	PASS
Band7	5MHz	64QAM	21425	1RB#0	5.81	13	PASS
Band7	5MHz	64QAM	21425	25RB#0	6.17	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	3.47	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	4.97	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	3.31	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	4.67	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	3.25	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	4.65	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	5.13	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.83	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	4.81	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	5.53	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	4.96	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.50	13	PASS
Band7	10MHz	64QAM	20800	1RB#0	6.21	13	PASS
Band7	10MHz	64QAM	20800	50RB#0	6.51	13	PASS
Band7	10MHz	64QAM	21100	1RB#0	5.95	13	PASS
Band7	10MHz	64QAM	21100	50RB#0	6.46	13	PASS
Band7	10MHz	64QAM	21400	1RB#0	6.08	13	PASS
Band7	10MHz	64QAM	21400	50RB#0	6.25	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	3.44	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.22	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	3.36	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	4.99	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	3.48	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.04	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	4.94	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	5.95	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	5.16	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	5.73	13	PASS

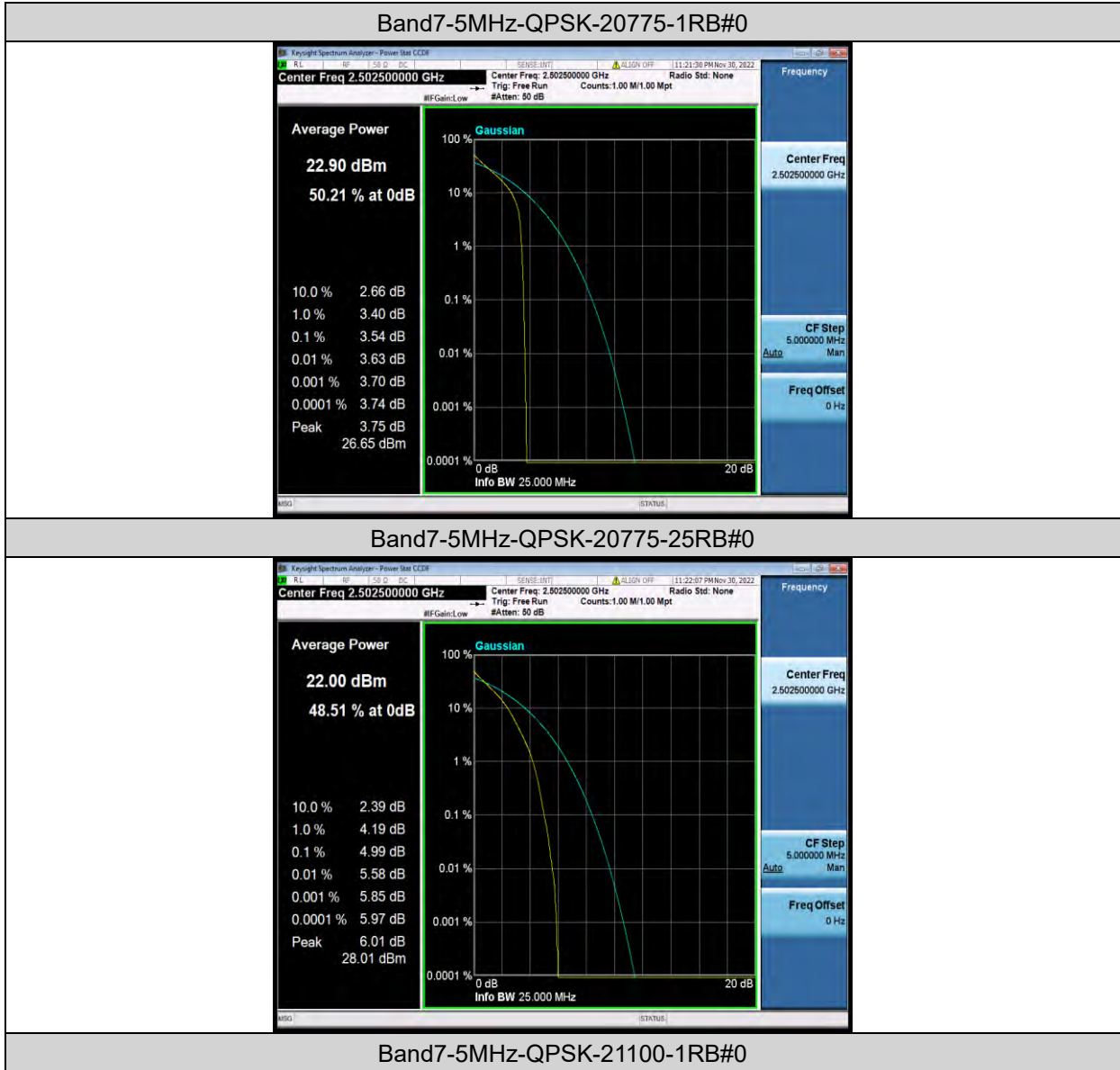


**BUREAU
VERITAS**

Test Report No.: W7L-P23030016RF06

Band7	15MHz	16QAM	21375	1RB#0	5.19	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	5.80	13	PASS
Band7	15MHz	64QAM	20825	1RB#0	5.95	13	PASS
Band7	15MHz	64QAM	20825	75RB#0	6.53	13	PASS
Band7	15MHz	64QAM	21100	1RB#0	8.36	13	PASS
Band7	15MHz	64QAM	21100	75RB#0	6.53	13	PASS
Band7	15MHz	64QAM	21375	1RB#0	6.64	13	PASS
Band7	15MHz	64QAM	21375	75RB#0	6.41	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	3.45	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.08	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	3.51	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.91	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	3.49	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.96	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	5.16	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.88	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	4.98	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	5.71	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	5.29	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.81	13	PASS
Band7	20MHz	64QAM	20850	1RB#0	6.32	13	PASS
Band7	20MHz	64QAM	20850	100RB#0	6.56	13	PASS
Band7	20MHz	64QAM	21100	1RB#0	6.21	13	PASS
Band7	20MHz	64QAM	21100	100RB#0	6.55	13	PASS
Band7	20MHz	64QAM	21350	1RB#0	6.50	13	PASS
Band7	20MHz	64QAM	21350	100RB#0	6.43	13	PASS

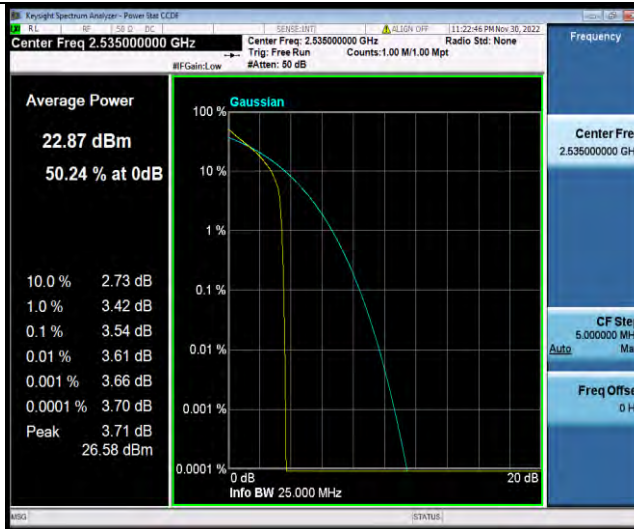
Test Graphs



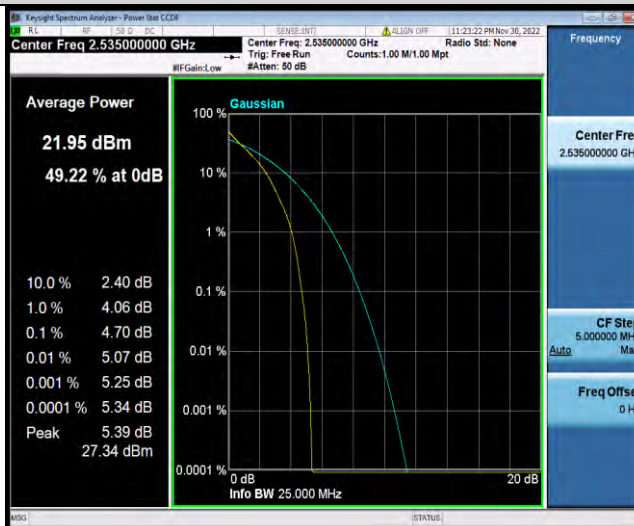


BUREAU
VERITAS

Test Report No.: W7L-P23030016RF06



Band7-5MHz-QPSK-21100-25RB#0



Band7-5MHz-QPSK-21425-1RB#0

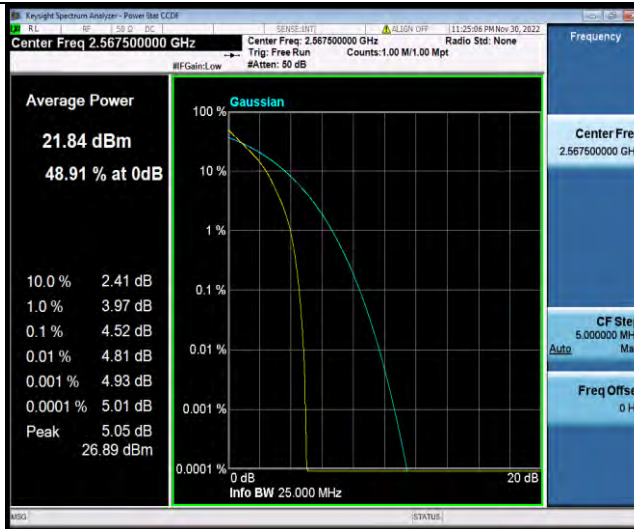


Band7-5MHz-QPSK-21425-25RB#0

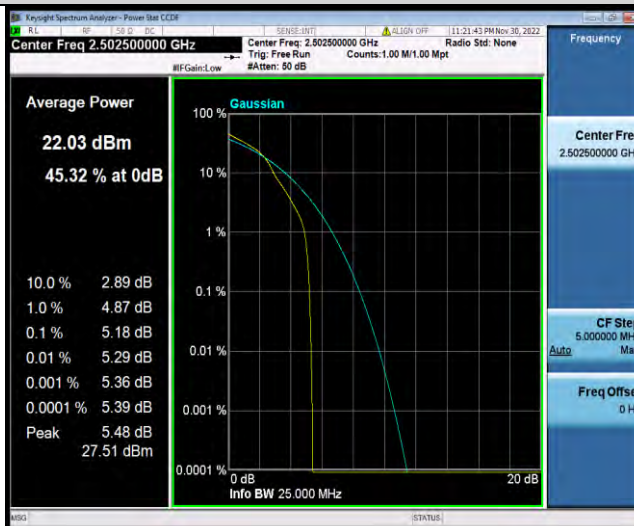


BUREAU VERITAS

Test Report No.: W7L-P23030016RF06



Band7-5MHz-16QAM-20775-1RB#0



Band7-5MHz-16QAM-20775-25RB#0



Band7-5MHz-16QAM-21100-1RB#0



BUREAU VERITAS

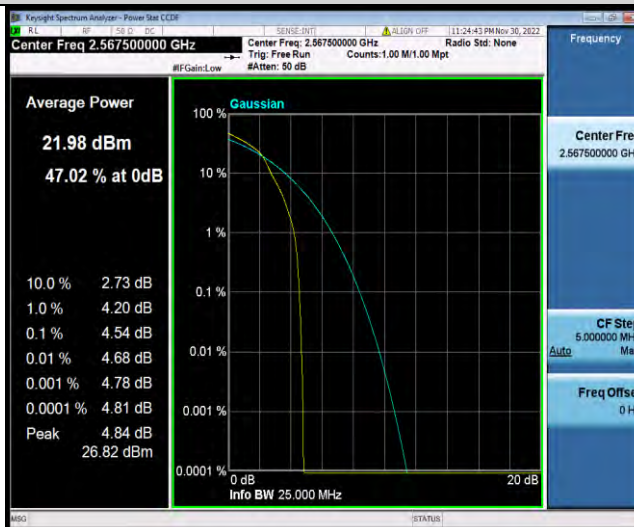
Test Report No.: W7L-P23030016RF06



Band7-5MHz-16QAM-21100-25RB#0



Band7-5MHz-16QAM-21425-1RB#0

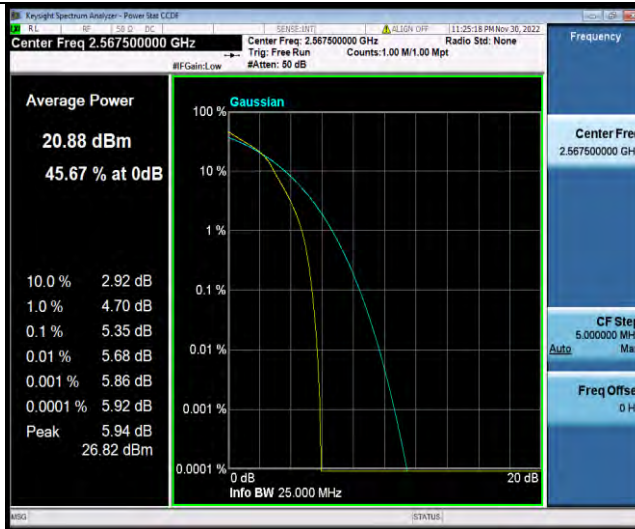


Band7-5MHz-16QAM-21425-25RB#0

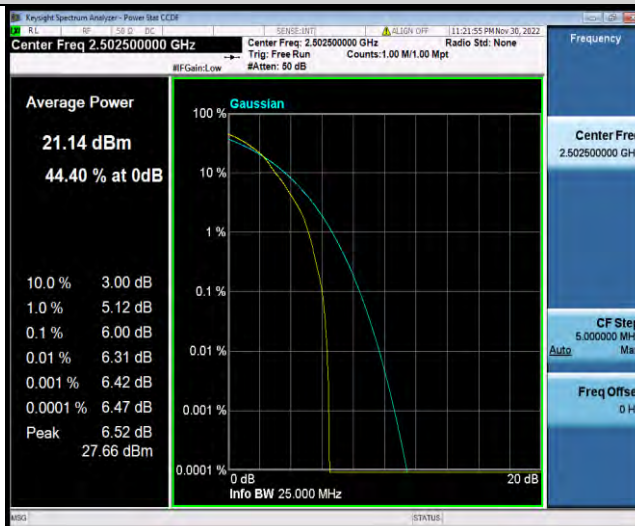


BUREAU
VERITAS

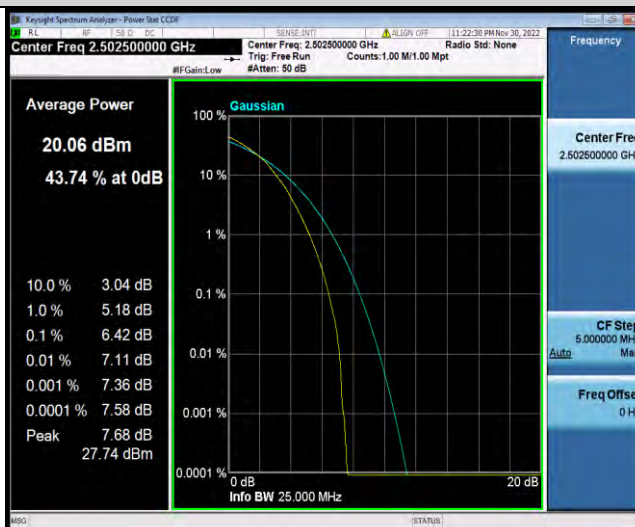
Test Report No.: W7L-P23030016RF06



Band7-5MHz-64QAM-20775-1RB#0



Band7-5MHz-64QAM-20775-25RB#0

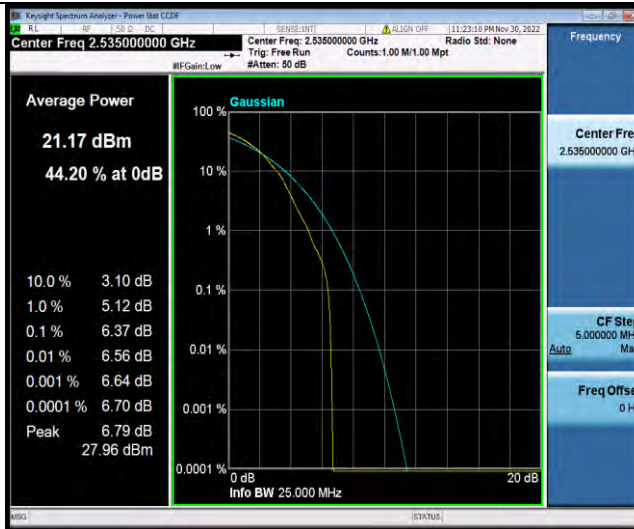


Band7-5MHz-64QAM-21100-1RB#0

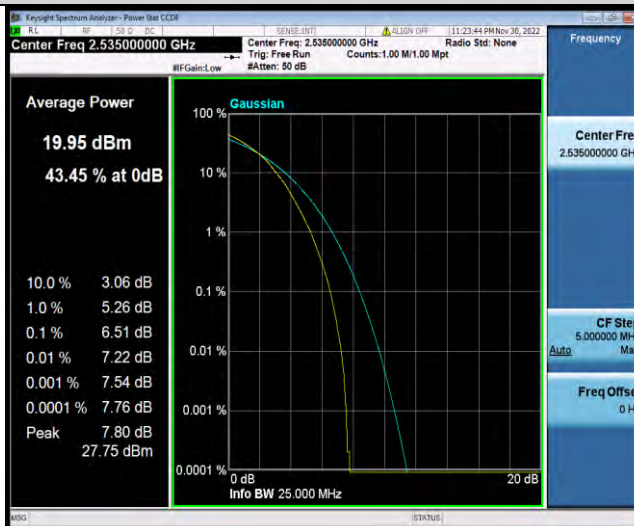


BUREAU VERITAS

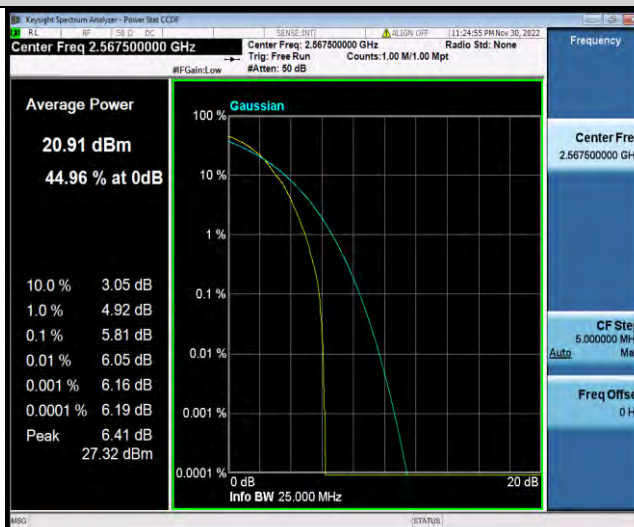
Test Report No.: W7L-P23030016RF06



Band7-5MHz-64QAM-21100-25RB#0



Band7-5MHz-64QAM-21425-1RB#0



Band7-5MHz-64QAM-21425-25RB#0

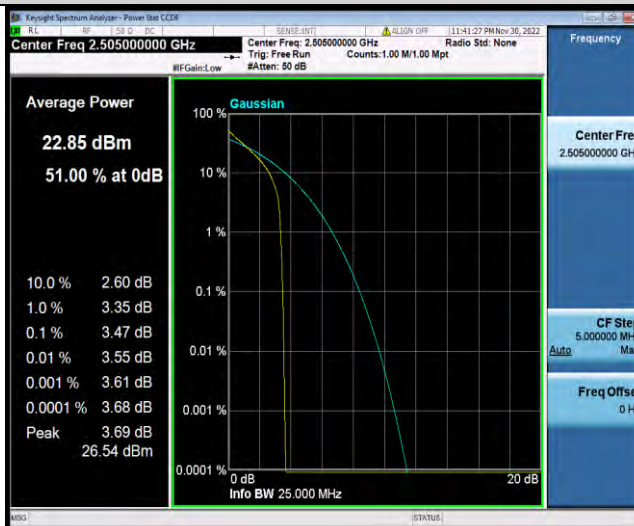


BUREAU VERITAS

Test Report No.: W7L-P23030016RF06



Band7-10MHz-QPSK-20800-1RB#0



Band7-10MHz-QPSK-20800-50RB#0

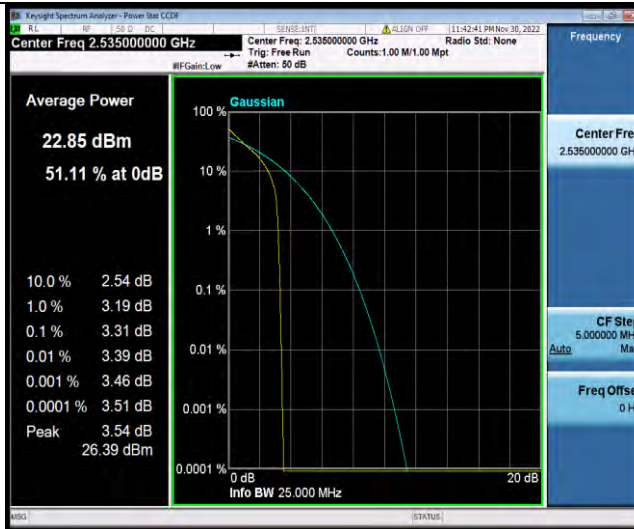


Band7-10MHz-QPSK-21100-1RB#0

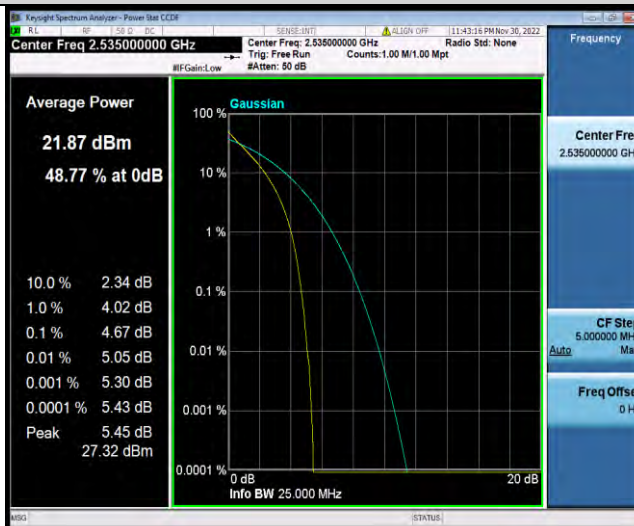


BUREAU VERITAS

Test Report No.: W7L-P23030016RF06



Band7-10MHz-QPSK-21100-50RB#0



Band7-10MHz-QPSK-21400-1RB#0



Band7-10MHz-QPSK-21400-50RB#0

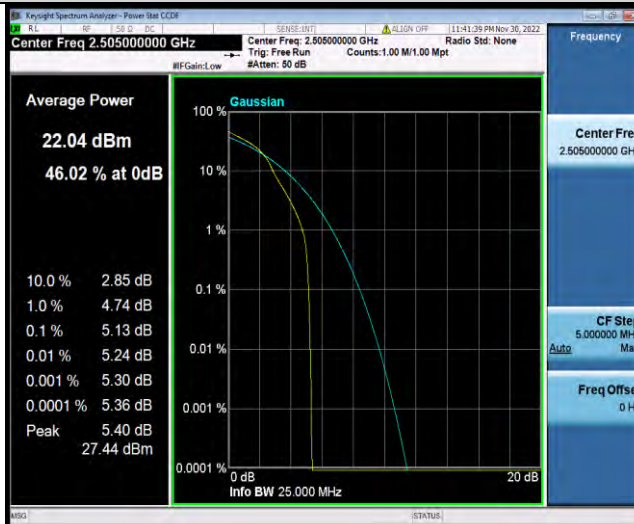


BUREAU VERITAS

Test Report No.: W7L-P23030016RF06



Band7-10MHz-16QAM-20800-1RB#0



Band7-10MHz-16QAM-20800-50RB#0

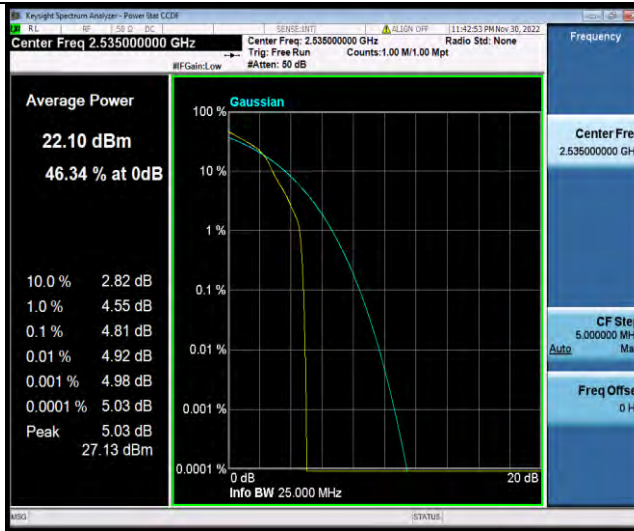


Band7-10MHz-16QAM-21100-1RB#0

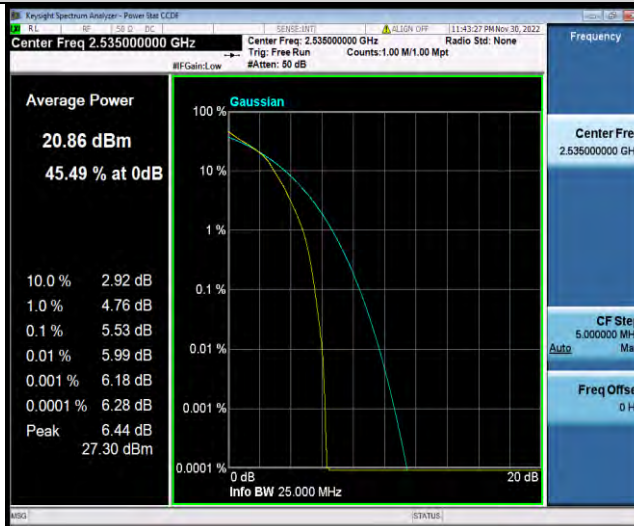


BUREAU VERITAS

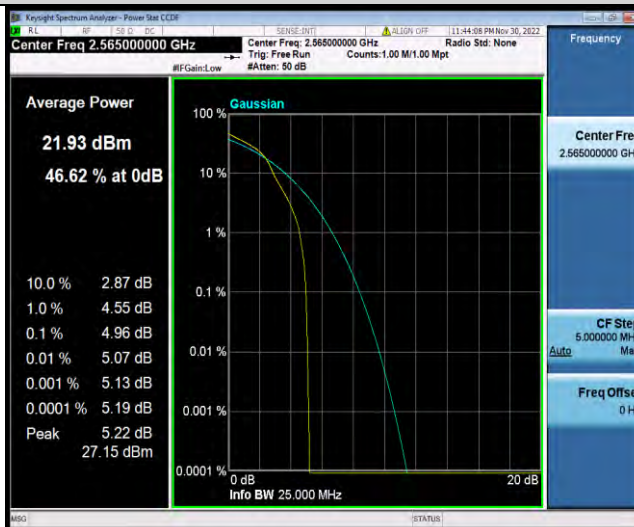
Test Report No.: W7L-P23030016RF06



Band7-10MHz-16QAM-21100-50RB#0



Band7-10MHz-16QAM-21400-1RB#0



Band7-10MHz-16QAM-21400-50RB#0

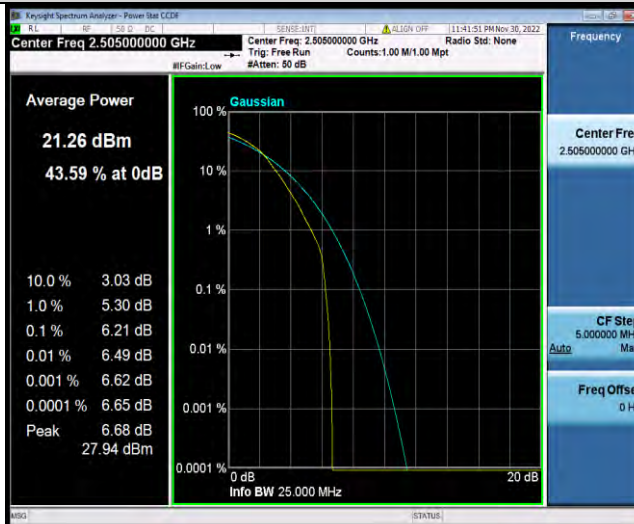


BUREAU VERITAS

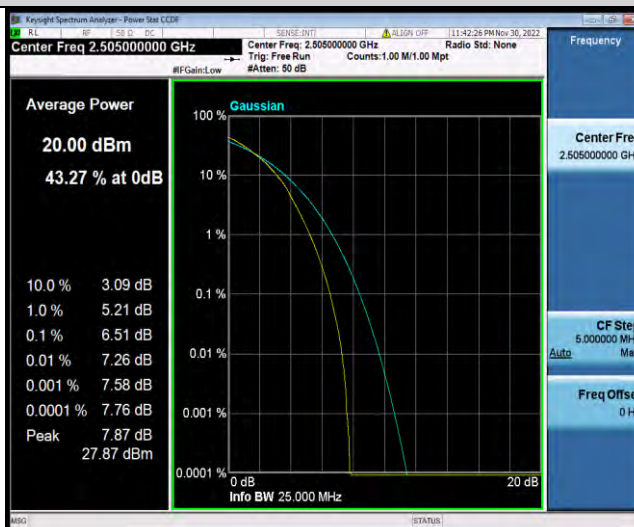
Test Report No.: W7L-P23030016RF06



Band7-10MHz-64QAM-20800-1RB#0



Band7-10MHz-64QAM-20800-50RB#0



Band7-10MHz-64QAM-21100-1RB#0

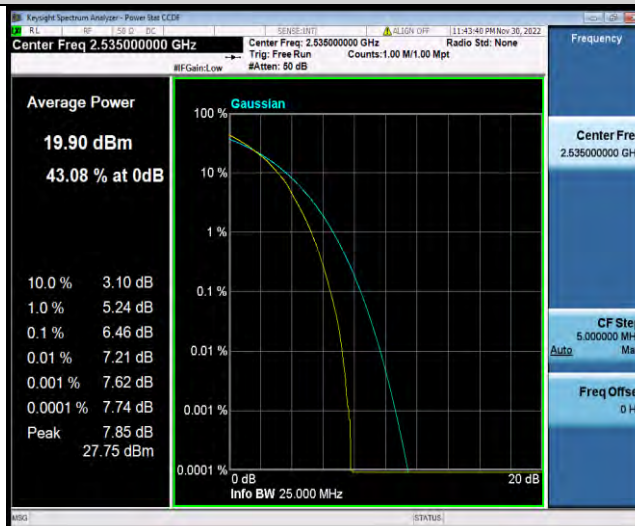


BUREAU VERITAS

Test Report No.: W7L-P23030016RF06



Band7-10MHz-64QAM-21100-50RB#0



Band7-10MHz-64QAM-21400-1RB#0

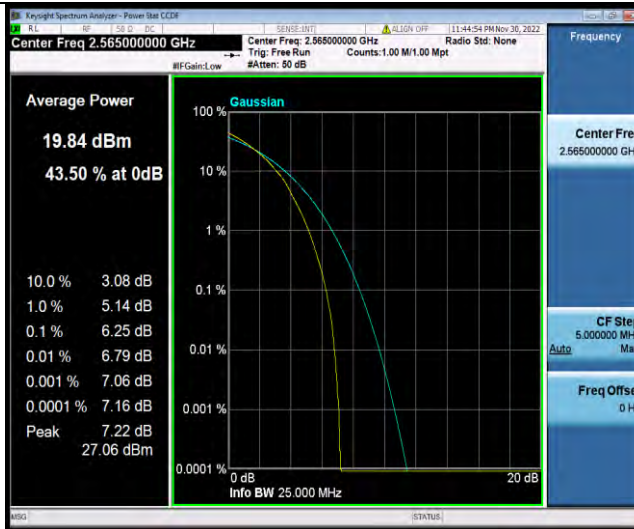


Band7-10MHz-64QAM-21400-50RB#0

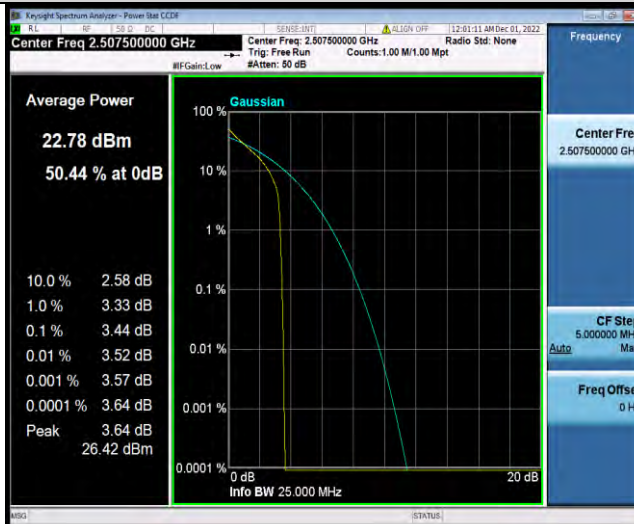


BUREAU VERITAS

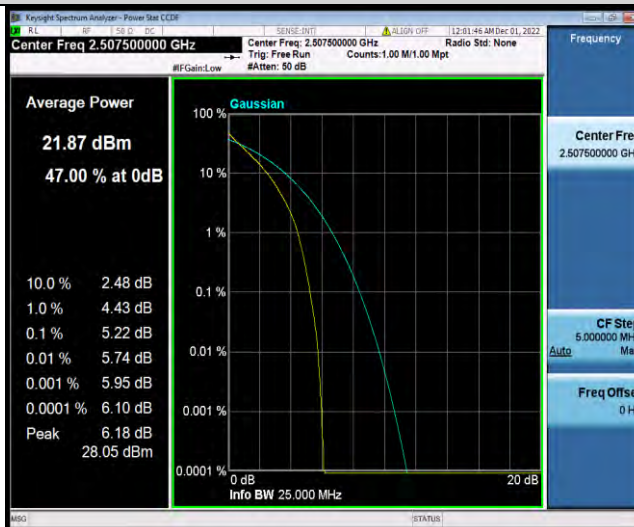
Test Report No.: W7L-P23030016RF06



Band7-15MHz-QPSK-20825-1RB#0



Band7-15MHz-QPSK-20825-75RB#0

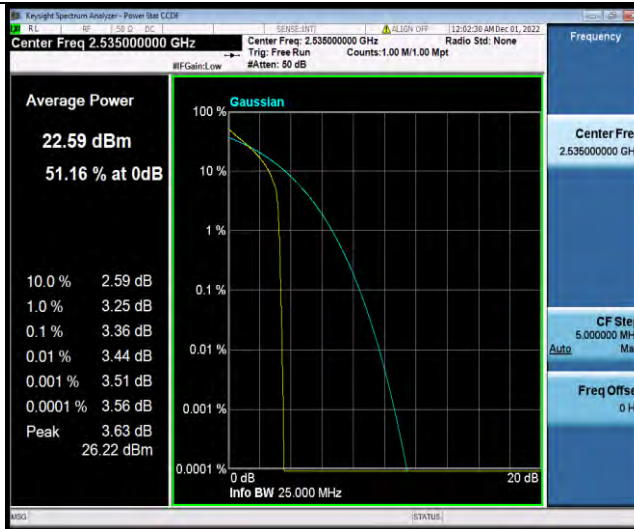


Band7-15MHz-QPSK-21100-1RB#0

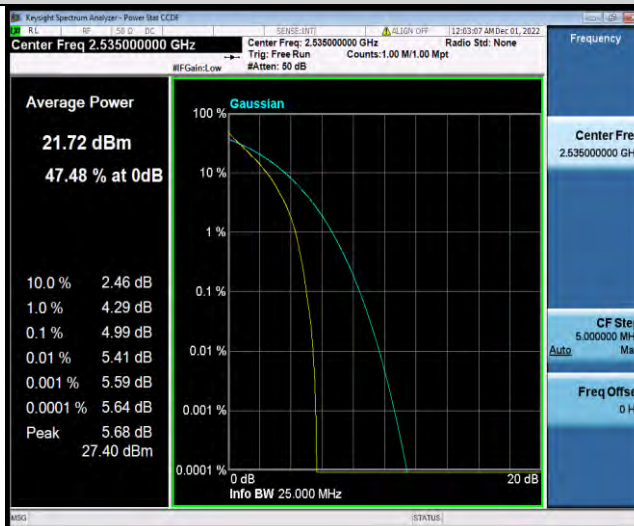


BUREAU VERITAS

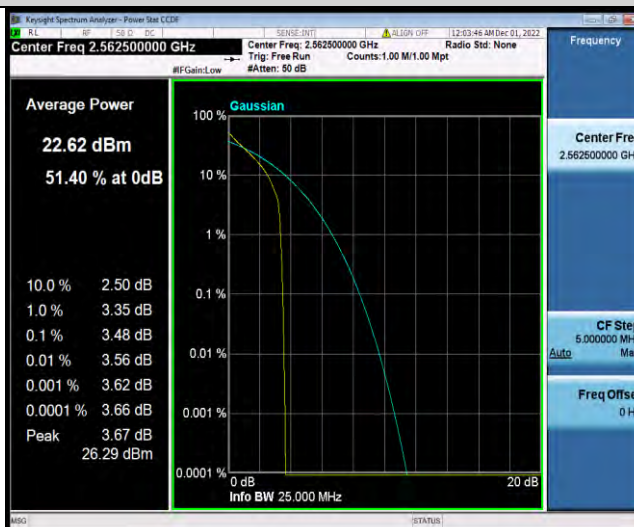
Test Report No.: W7L-P23030016RF06



Band7-15MHz-QPSK-21100-75RB#0



Band7-15MHz-QPSK-21375-1RB#0



Band7-15MHz-QPSK-21375-75RB#0



BUREAU
VERITAS

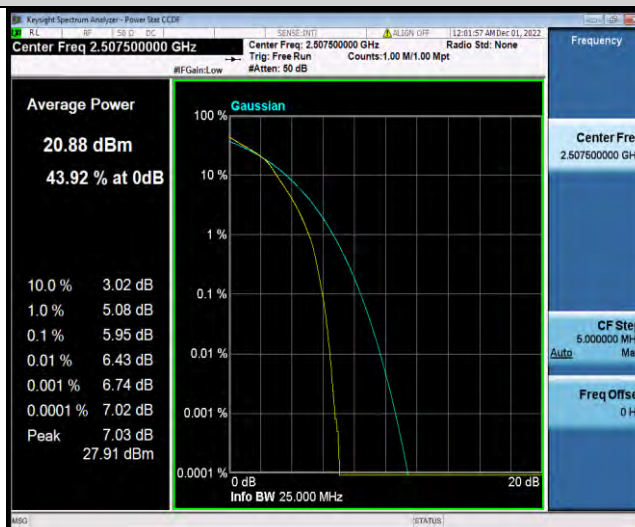
Test Report No.: W7L-P23030016RF06



Band7-15MHz-16QAM-20825-1RB#0



Band7-15MHz-16QAM-20825-75RB#0

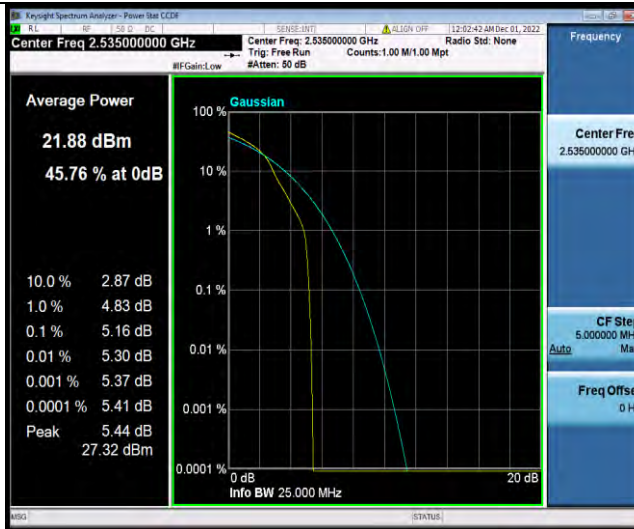


Band7-15MHz-16QAM-21100-1RB#0

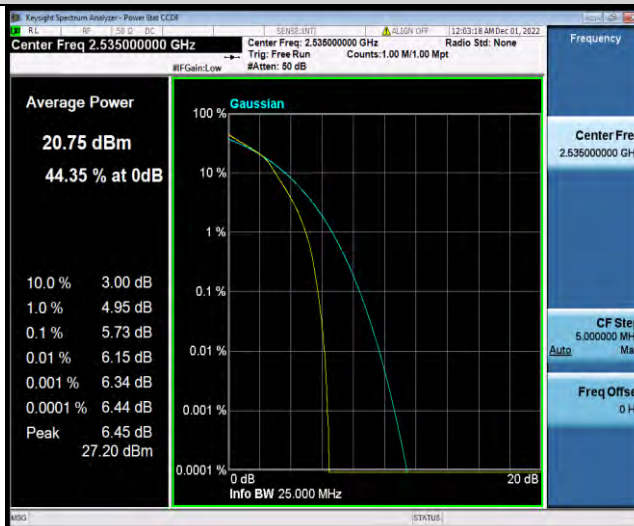


BUREAU VERITAS

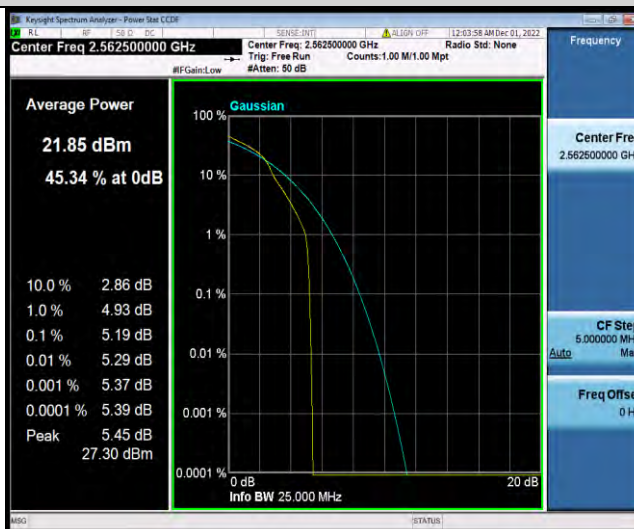
Test Report No.: W7L-P23030016RF06



Band7-15MHz-16QAM-21100-75RB#0



Band7-15MHz-16QAM-21375-1RB#0



Band7-15MHz-16QAM-21375-75RB#0

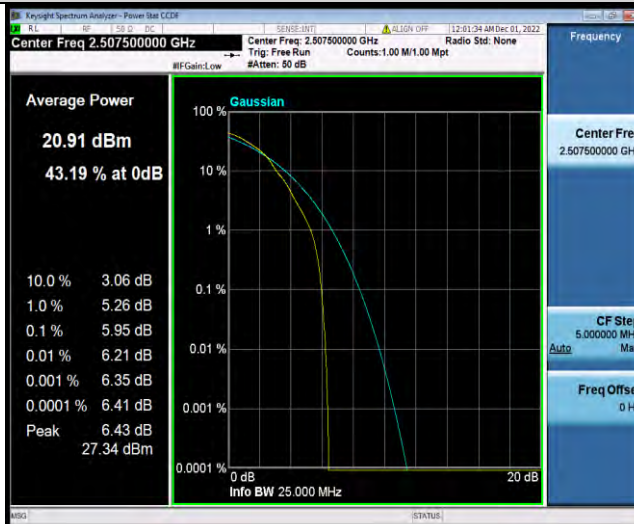


BUREAU VERITAS

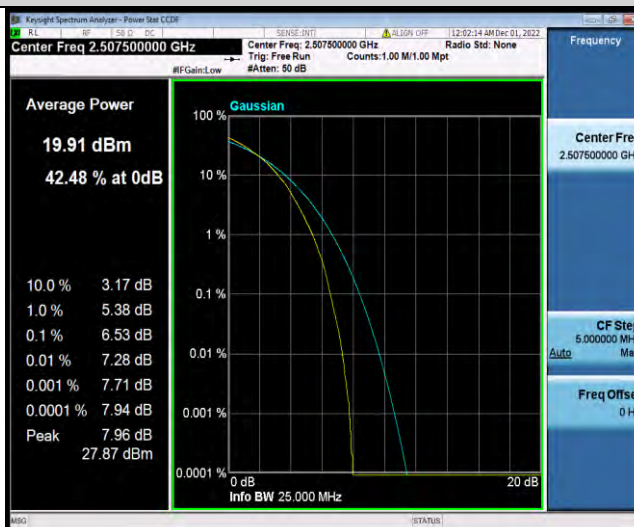
Test Report No.: W7L-P23030016RF06



Band7-15MHz-64QAM-20825-1RB#0



Band7-15MHz-64QAM-20825-75RB#0



Band7-15MHz-64QAM-21100-1RB#0

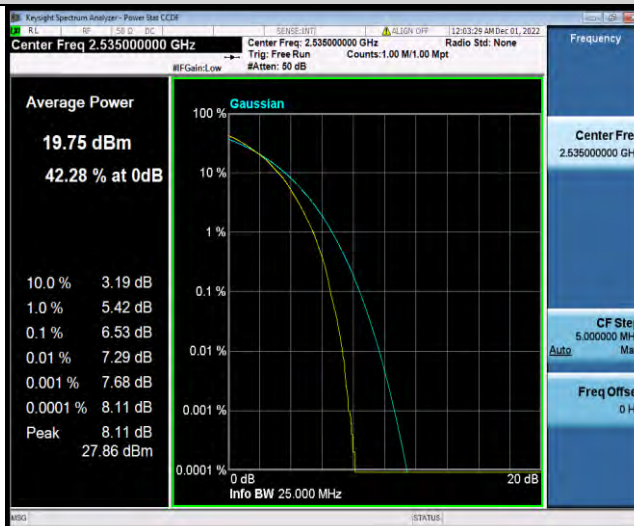


BUREAU VERITAS

Test Report No.: W7L-P23030016RF06



Band7-15MHz-64QAM-21100-75RB#0



Band7-15MHz-64QAM-21375-1RB#0

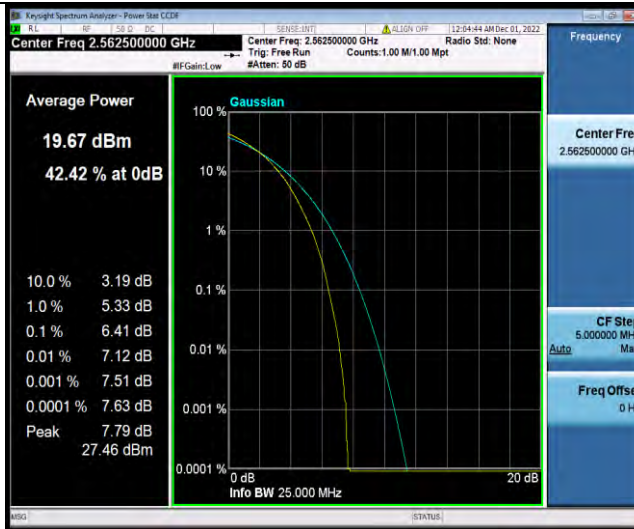


Band7-15MHz-64QAM-21375-75RB#0

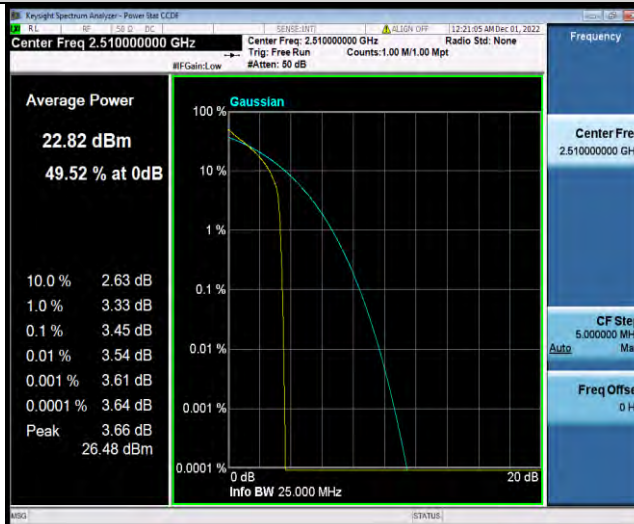


BUREAU VERITAS

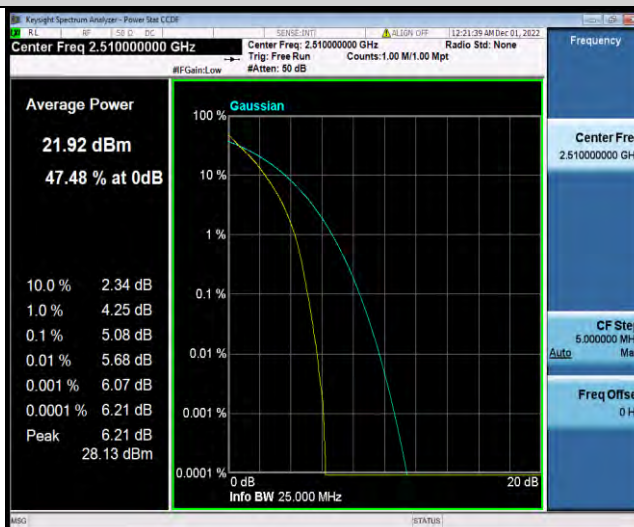
Test Report No.: W7L-P23030016RF06



Band7-20MHz-QPSK-20850-1RB#0



Band7-20MHz-QPSK-20850-100RB#0



Band7-20MHz-QPSK-21100-1RB#0

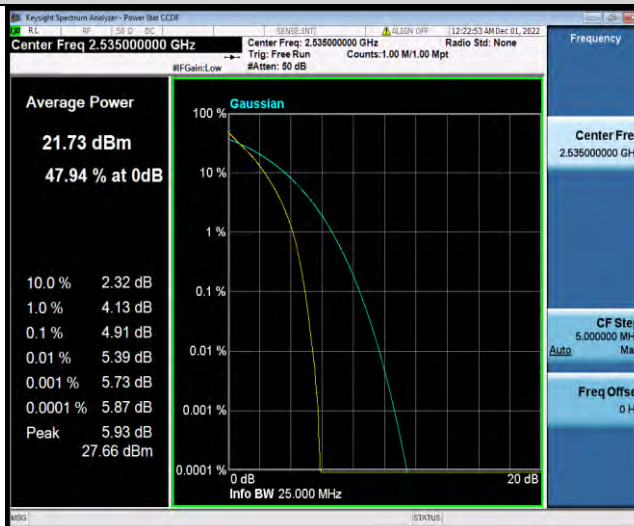


BUREAU
VERITAS

Test Report No.: W7L-P23030016RF06



Band7-20MHz-QPSK-21100-100RB#0



Band7-20MHz-QPSK-21350-1RB#0

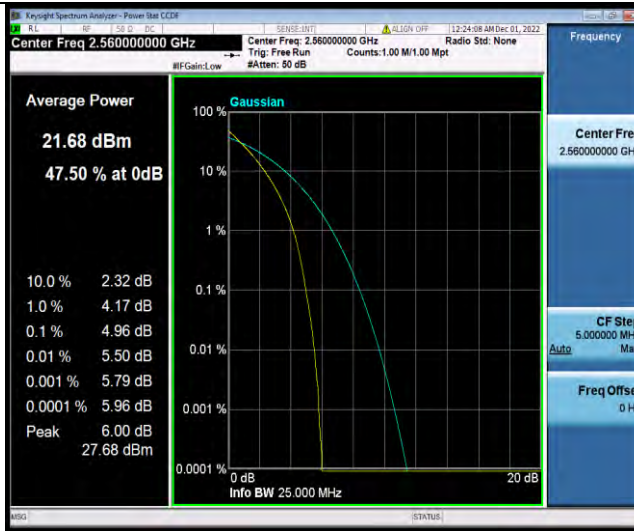


Band7-20MHz-QPSK-21350-100RB#0

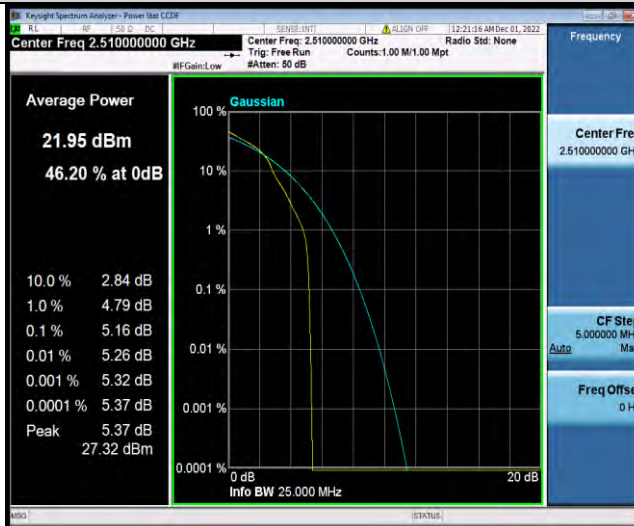


BUREAU VERITAS

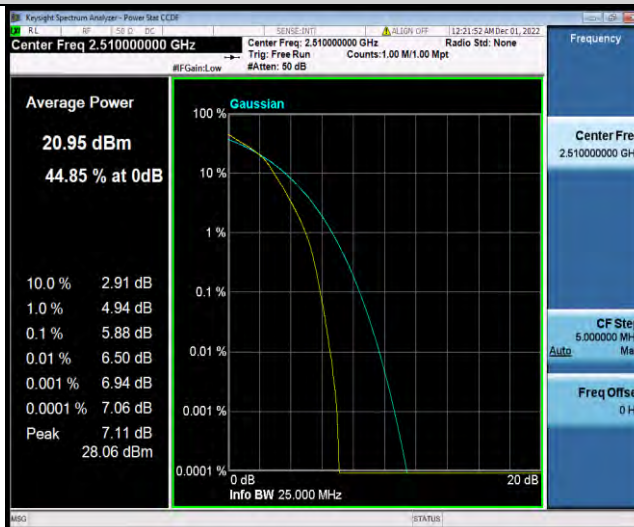
Test Report No.: W7L-P23030016RF06



Band7-20MHz-16QAM-20850-1RB#0



Band7-20MHz-16QAM-20850-100RB#0

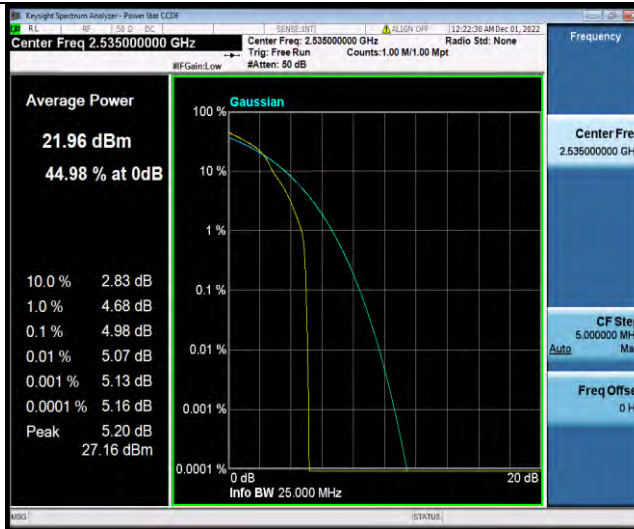


Band7-20MHz-16QAM-21100-1RB#0

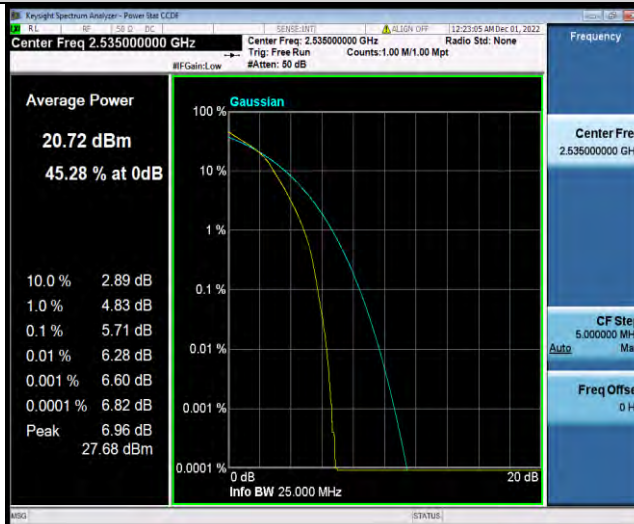


BUREAU VERITAS

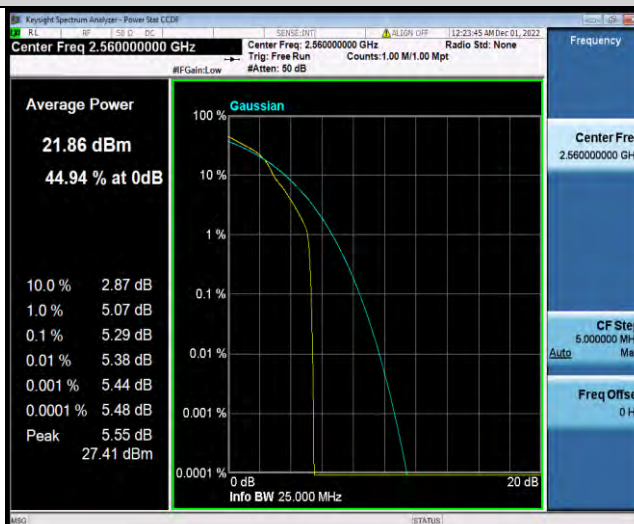
Test Report No.: W7L-P23030016RF06



Band7-20MHz-16QAM-21100-100RB#0



Band7-20MHz-16QAM-21350-1RB#0

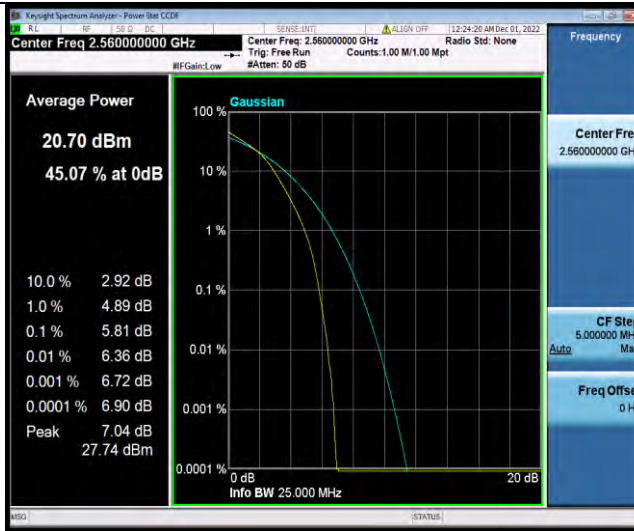


Band7-20MHz-16QAM-21350-100RB#0

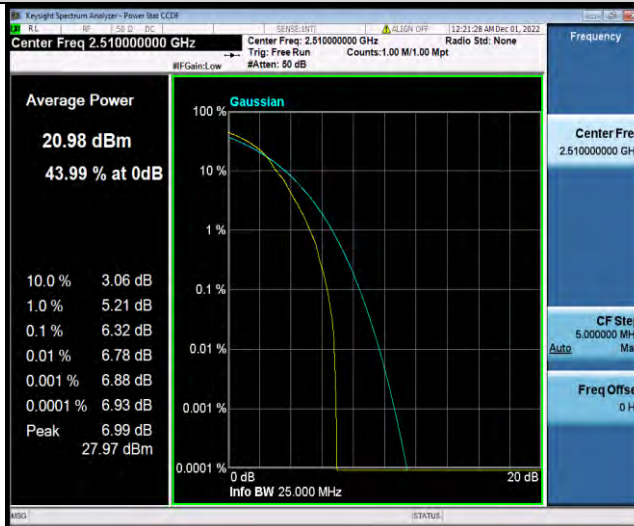


BUREAU VERITAS

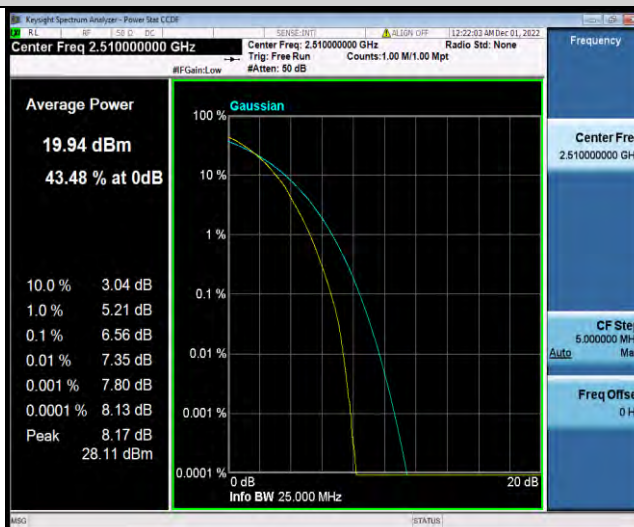
Test Report No.: W7L-P23030016RF06



Band7-20MHz-64QAM-20850-1RB#0



Band7-20MHz-64QAM-20850-100RB#0



Band7-20MHz-64QAM-21100-1RB#0

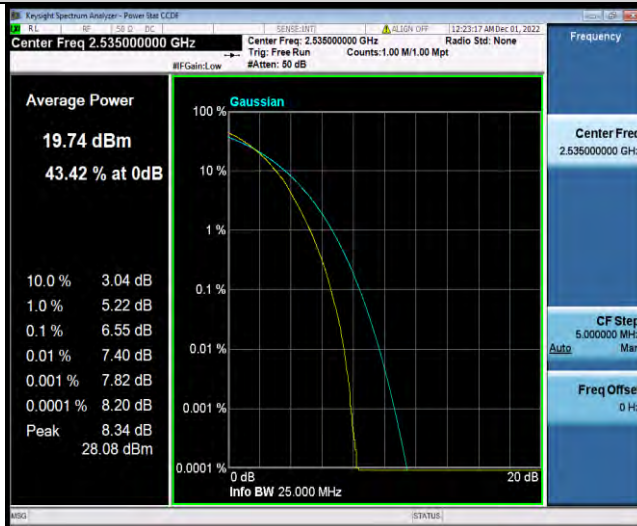


BUREAU VERITAS

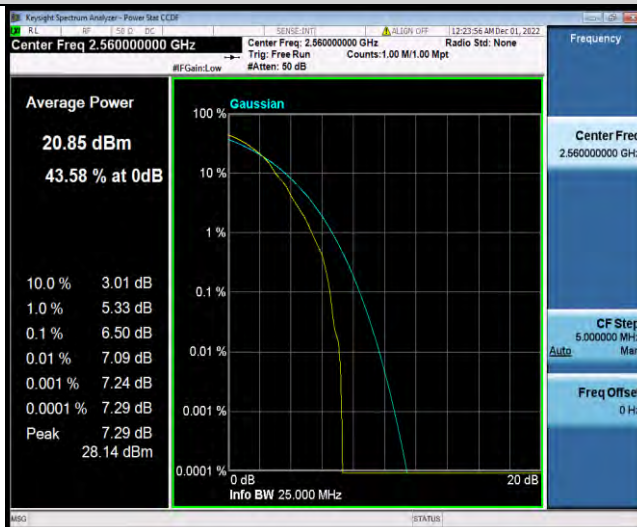
Test Report No.: W7L-P23030016RF06



Band7-20MHz-64QAM-21100-100RB#0



Band7-20MHz-64QAM-21350-1RB#0



Band7-20MHz-64QAM-21350-100RB#0



BUREAU
VERITAS

Test Report No.: W7L-P23030016RF06

