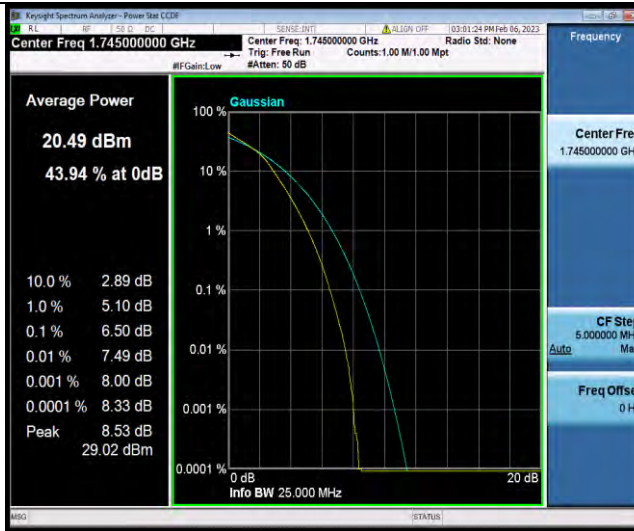


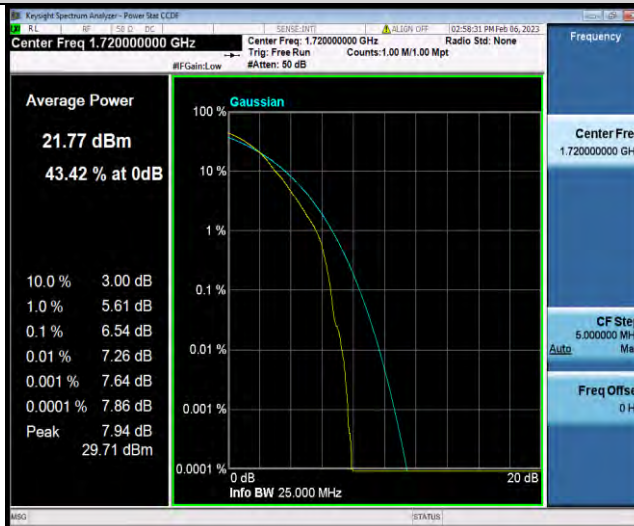


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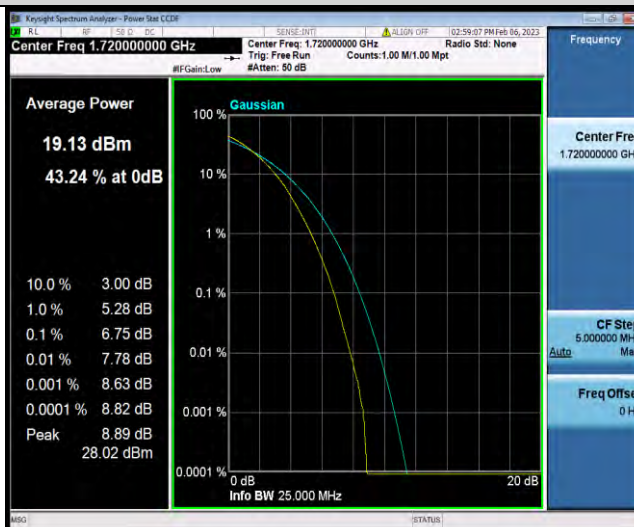
Test Report No.: W7L-P23010024RF06



Band4-20MHz-64QAM-20050-1RB#0



Band4-20MHz-64QAM-20050-100RB#0

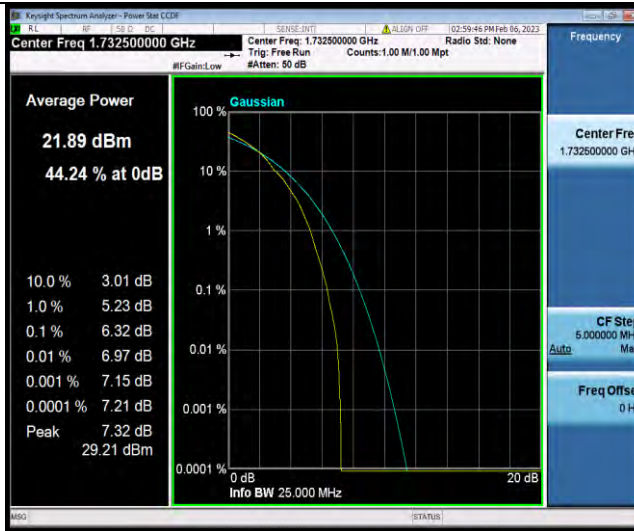


Band4-20MHz-64QAM-20175-1RB#0

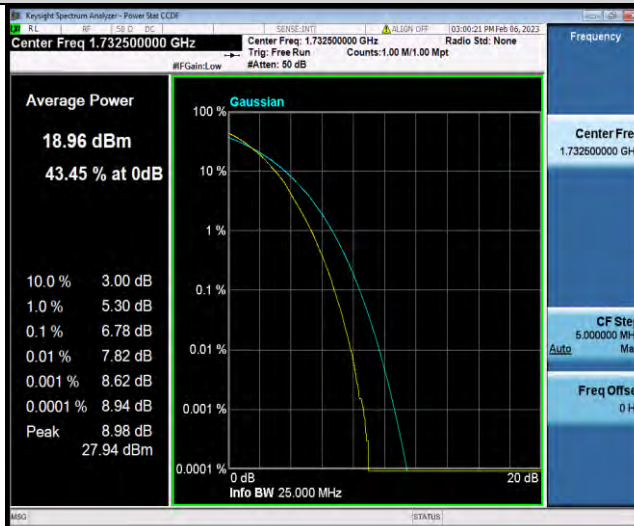


BUREAU VERITAS

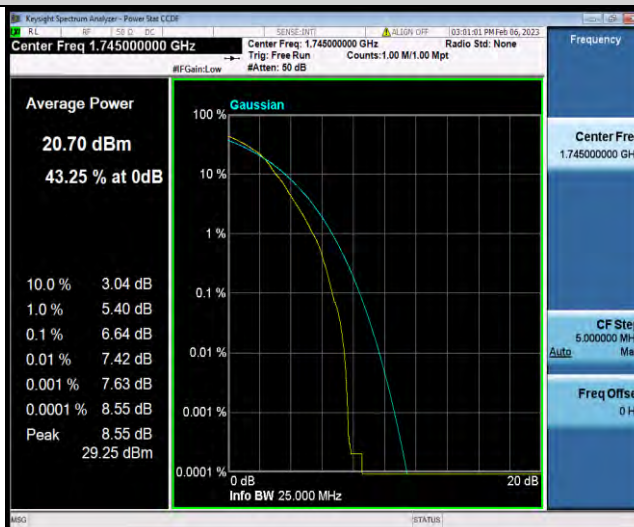
Test Report No.: W7L-P23010024RF06



Band4-20MHz-64QAM-20175-100RB#0



Band4-20MHz-64QAM-20300-1RB#0

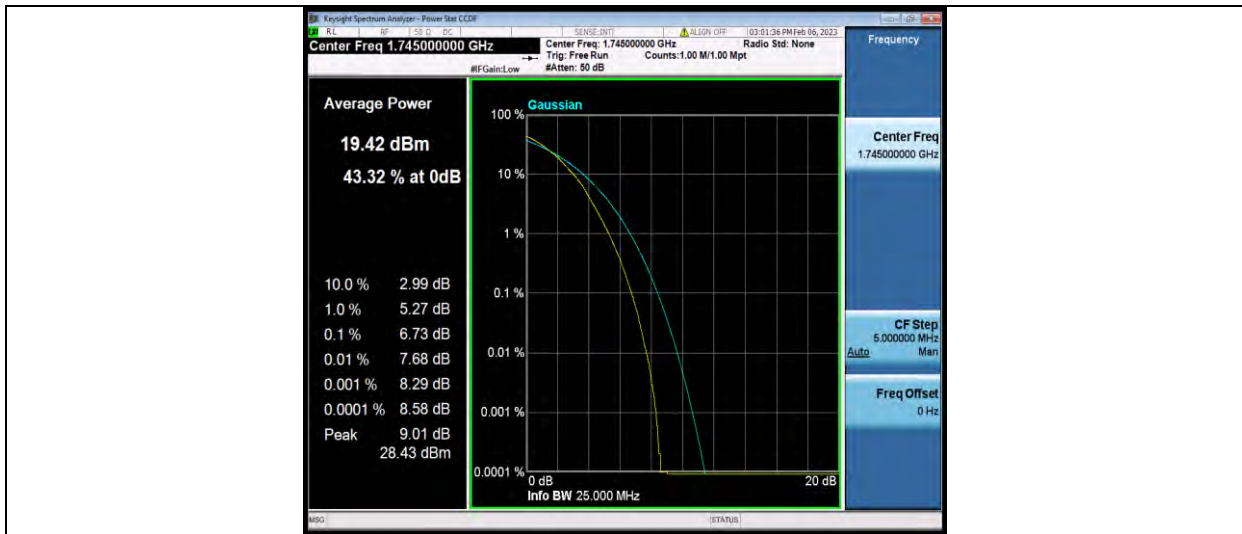


Band4-20MHz-64QAM-20300-100RB#0



BUREAU  
VERITAS

# Test Report No.: W7L-P23010024RF06





Test Report No.: W7L-P23010024RF06

## 26DB BANDWIDTH AND OCCUPIED BANDWIDTH

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.0920	1.237	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0882	1.223	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0937	1.235	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0914	1.231	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0917	1.255	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0902	1.234	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	1.0888	1.231	PASS
Band4	1.4MHz	64QAM	20175	6RB#0	1.0886	1.230	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	1.0888	1.227	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6994	2.964	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6996	2.968	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6965	2.955	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6925	2.995	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6983	3.011	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6937	2.981	PASS
Band4	3MHz	64QAM	19965	15RB#0	2.7046	2.980	PASS
Band4	3MHz	64QAM	20175	15RB#0	2.6969	2.989	PASS
Band4	3MHz	64QAM	20385	15RB#0	2.7044	2.976	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.4948	4.901	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.4954	4.877	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.4974	4.914	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.4985	4.874	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.4977	4.845	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5013	4.876	PASS
Band4	5MHz	64QAM	19975	25RB#0	4.4988	4.913	PASS
Band4	5MHz	64QAM	20175	25RB#0	4.4955	4.860	PASS
Band4	5MHz	64QAM	20375	25RB#0	4.4974	4.882	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9877	9.546	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9915	9.591	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9861	9.581	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9730	9.564	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9822	9.613	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9880	9.658	PASS
Band4	10MHz	64QAM	20000	50RB#0	8.9639	9.604	PASS
Band4	10MHz	64QAM	20175	50RB#0	8.9875	9.561	PASS
Band4	10MHz	64QAM	20350	50RB#0	8.9767	9.654	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.453	14.33	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.455	14.33	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.463	14.31	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.458	14.29	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.460	14.28	PASS



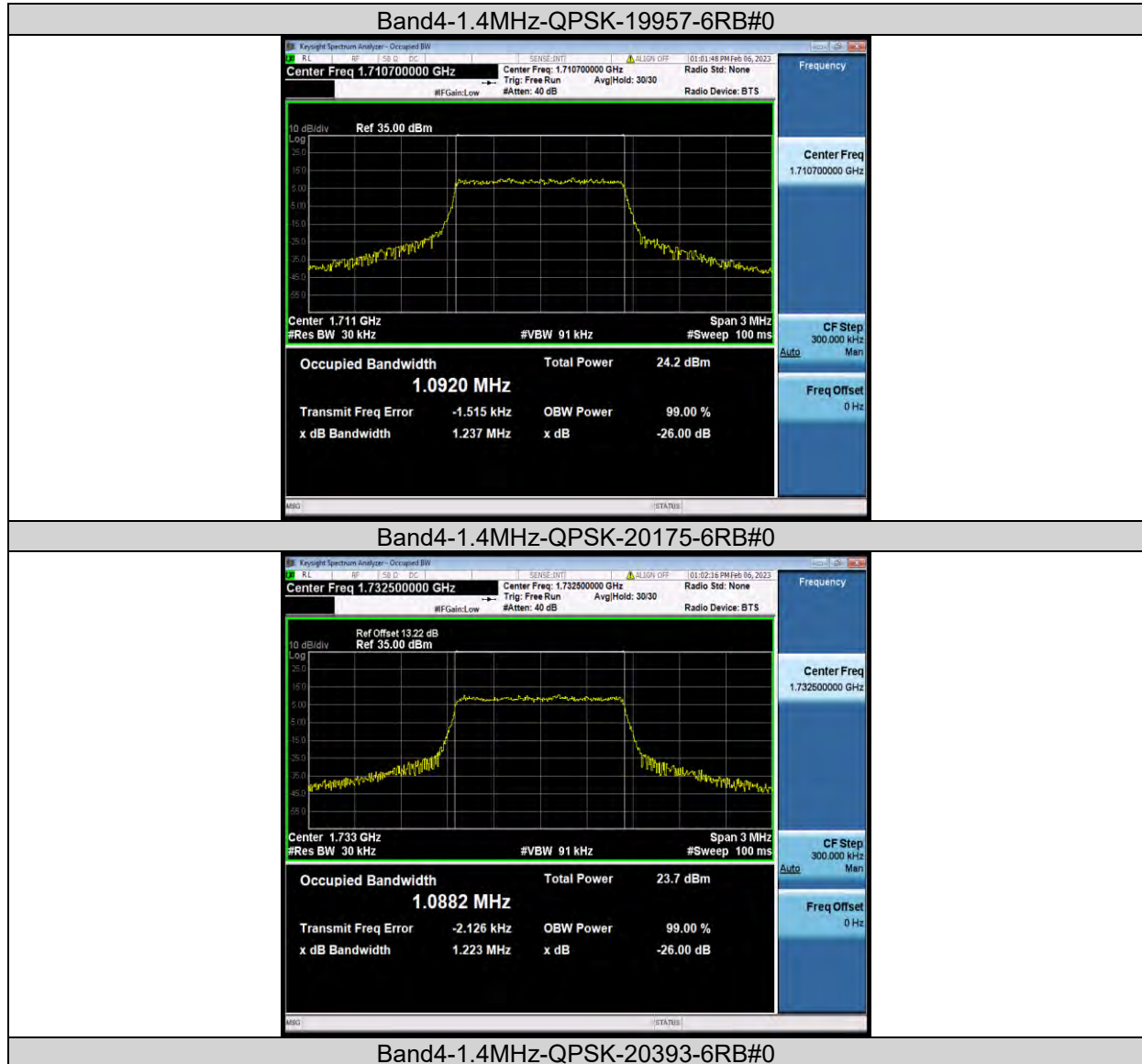
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**Test Report No.: W7L-P23010024RF06**

Band4	15MHz	16QAM	20325	75RB#0	13.466	14.34	PASS
Band4	15MHz	64QAM	20025	75RB#0	13.444	14.26	PASS
Band4	15MHz	64QAM	20175	75RB#0	13.463	14.30	PASS
Band4	15MHz	64QAM	20325	75RB#0	13.455	14.33	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.946	19.01	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.961	19.01	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.984	19.02	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.954	18.99	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.963	19.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.971	19.02	PASS
Band4	20MHz	64QAM	20050	100RB#0	17.949	19.03	PASS
Band4	20MHz	64QAM	20175	100RB#0	17.944	19.05	PASS
Band4	20MHz	64QAM	20300	100RB#0	17.981	19.03	PASS



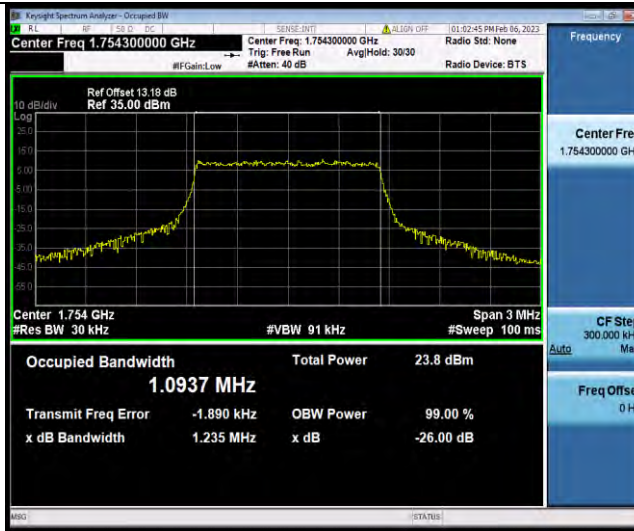
## Test Graphs





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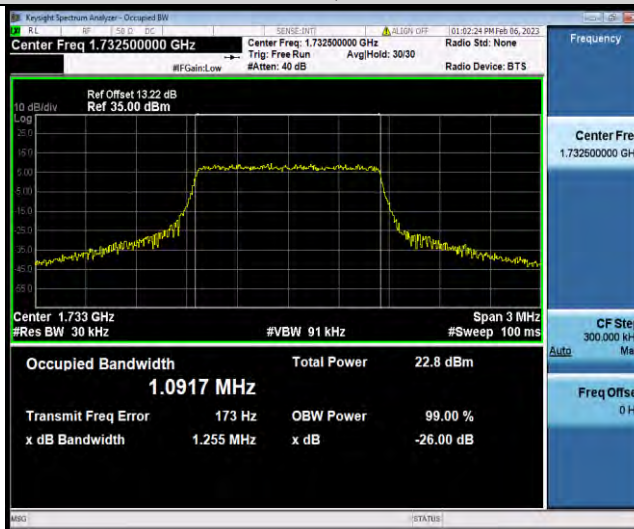
### Test Report No.: W7L-P23010024RF06



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



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

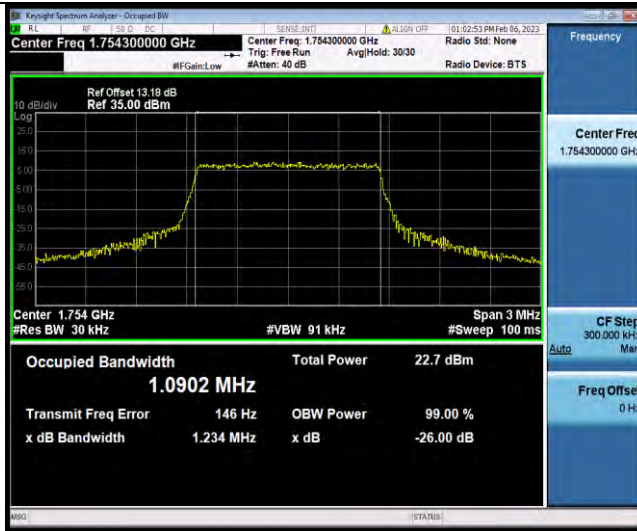


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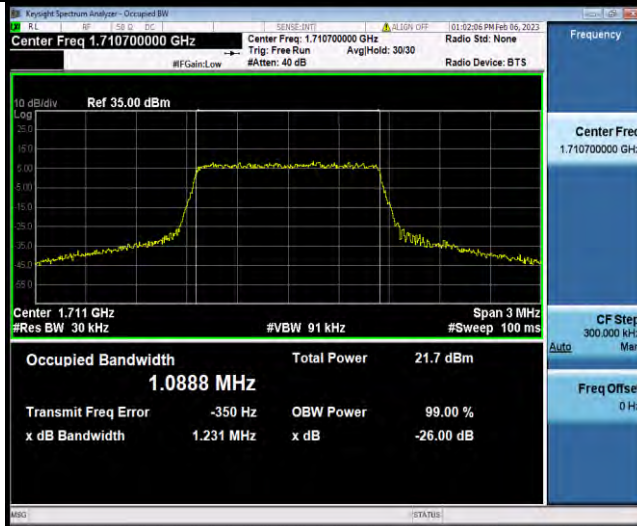


BUREAU VERITAS

Test Report No.: W7L-P23010024RF06



Band4-1.4MHz-64QAM-19957-6RB#0



Band4-1.4MHz-64QAM-20175-6RB#0



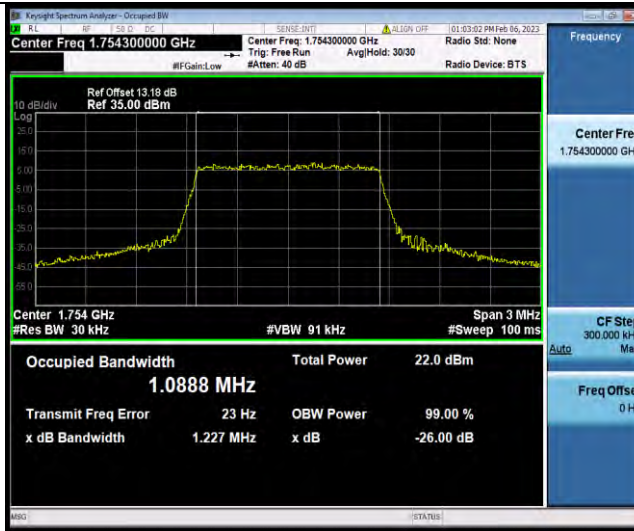
Band4-1.4MHz-64QAM-20393-6RB#0



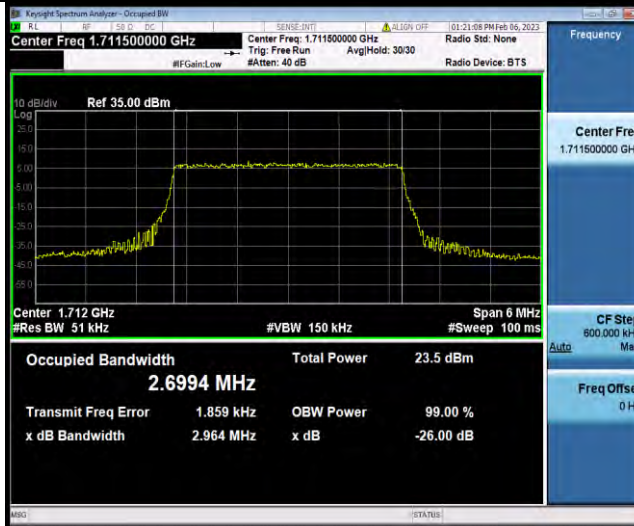


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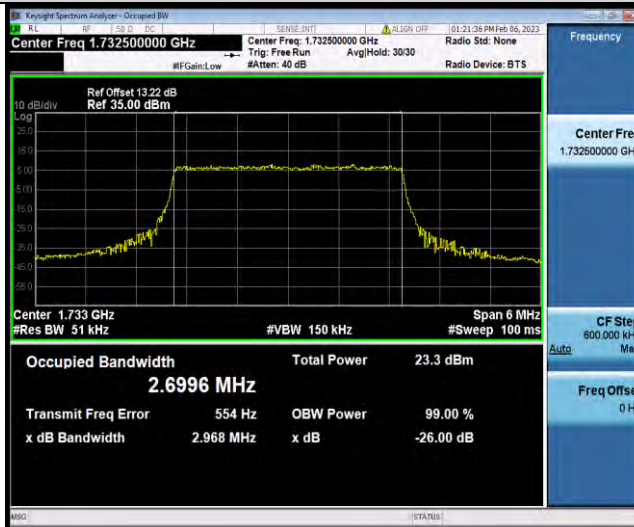
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Band4-3MHz-QPSK-19965-15RB#0



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

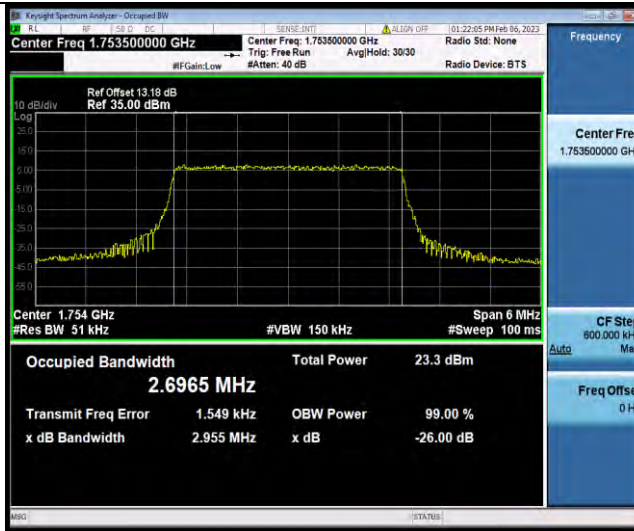


Band4-3MHz-QPSK-20385-15RB#0

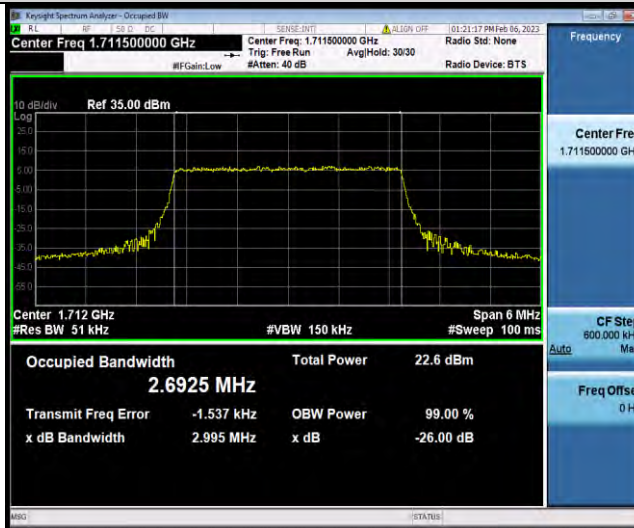


BUREAU VERITAS

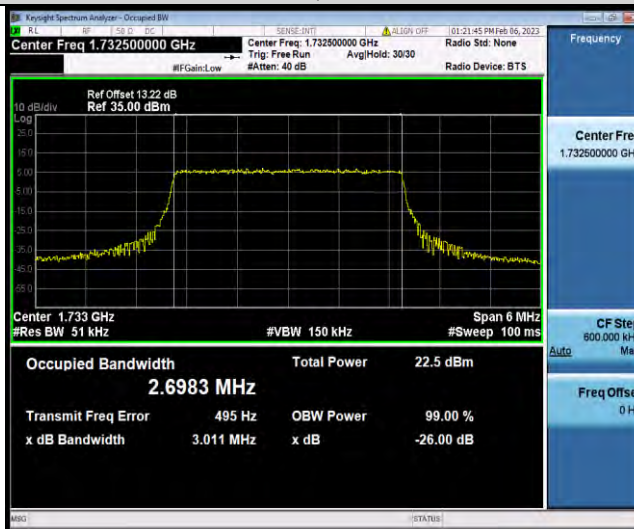
Test Report No.: W7L-P23010024RF06



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



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

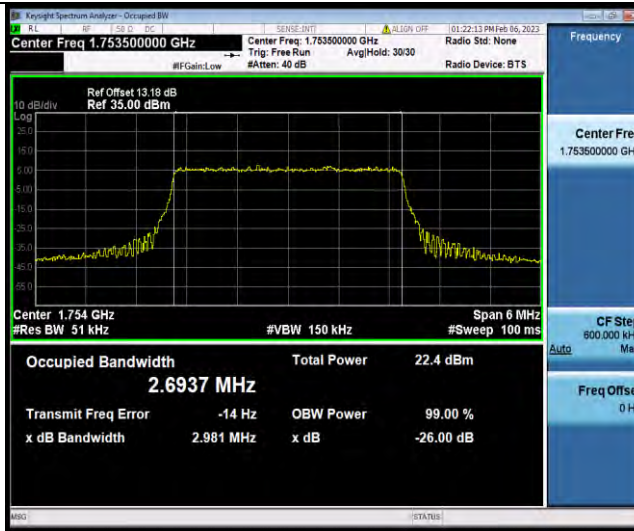


Band4-3MHz-16QAM-20385-15RB#0

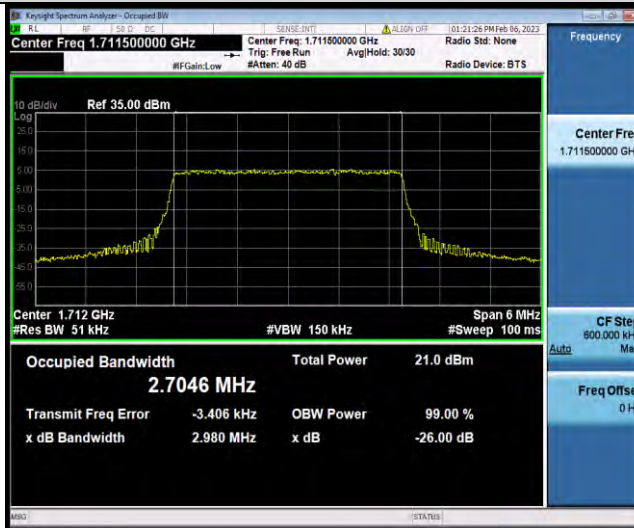


BUREAU VERITAS

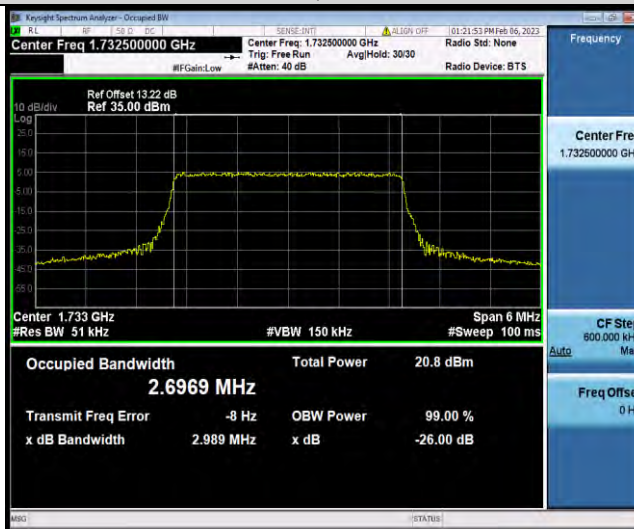
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Band4-3MHz-64QAM-19965-15RB#0



Band4-3MHz-64QAM-20175-15RB#0



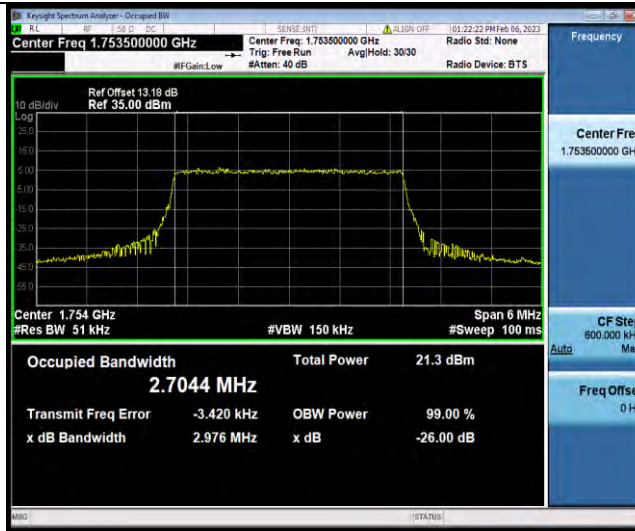
Band4-3MHz-64QAM-20385-15RB#0





BUREAU VERITAS

### Test Report No.: W7L-P23010024RF06



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



Band4-5MHz-QPSK-20175-25RB#0



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



BUREAU VERITAS

### Test Report No.: W7L-P23010024RF06



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



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



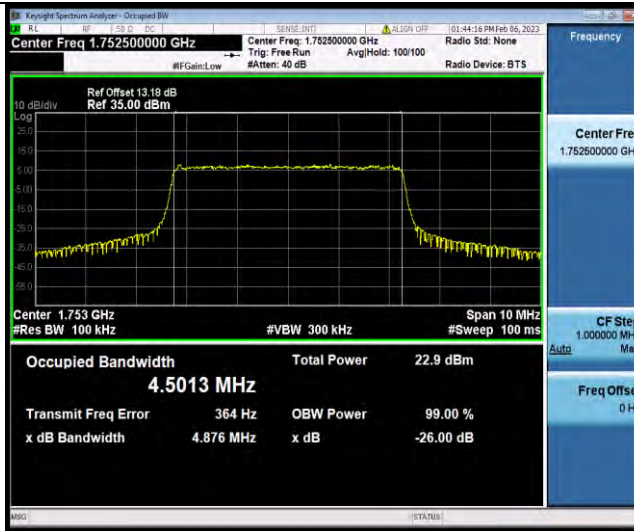
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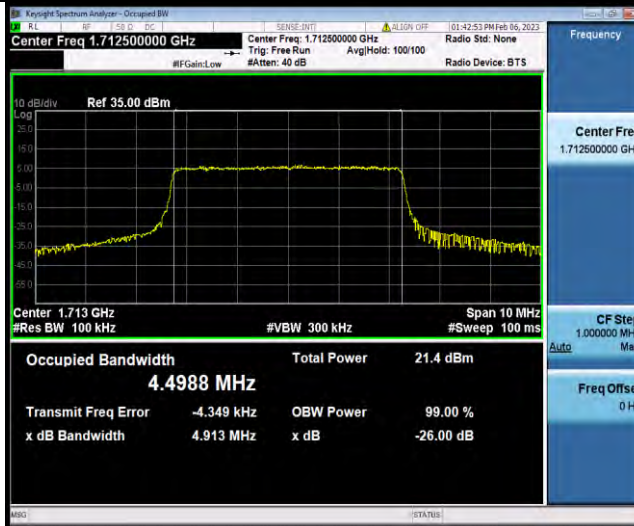


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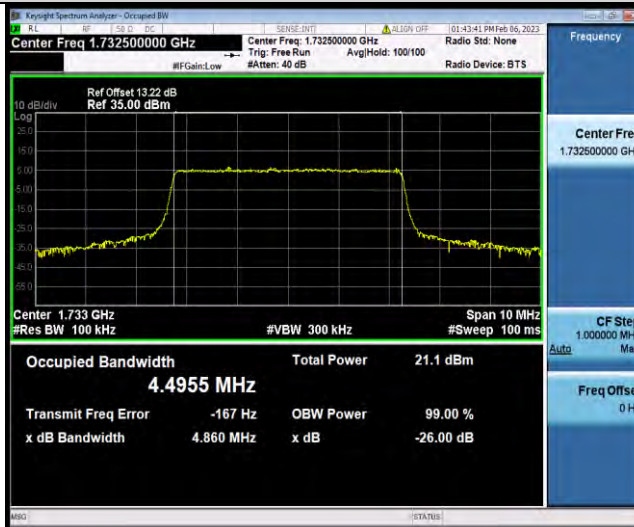
Test Report No.: W7L-P23010024RF06



Band4-5MHz-64QAM-19975-25RB#0



Band4-5MHz-64QAM-20175-25RB#0

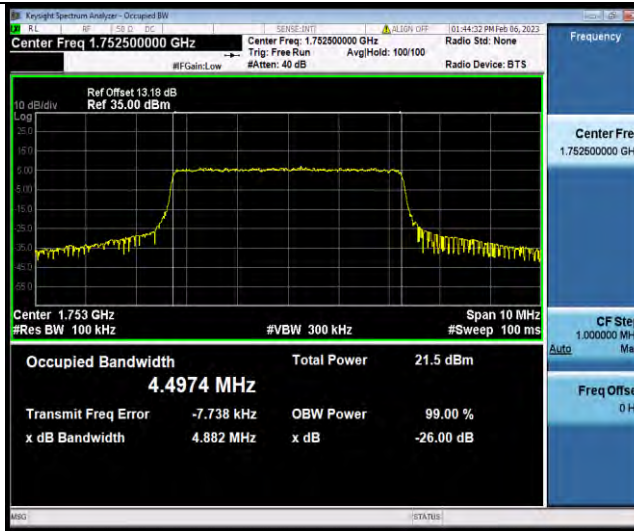


Band4-5MHz-64QAM-20375-25RB#0



BUREAU VERITAS

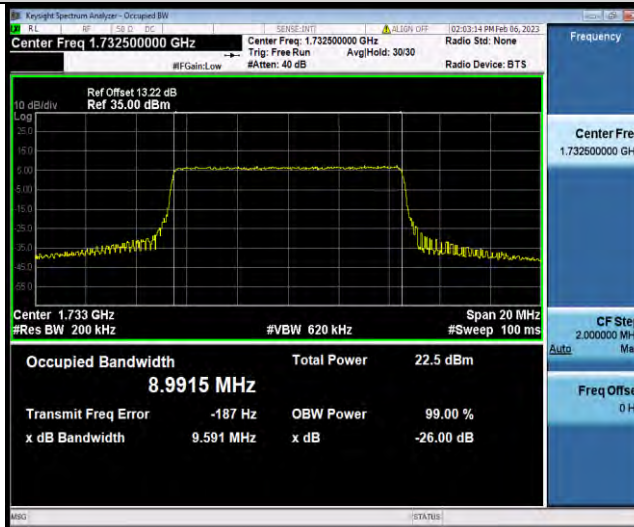
Test Report No.: W7L-P23010024RF06



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



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



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



BUREAU VERITAS

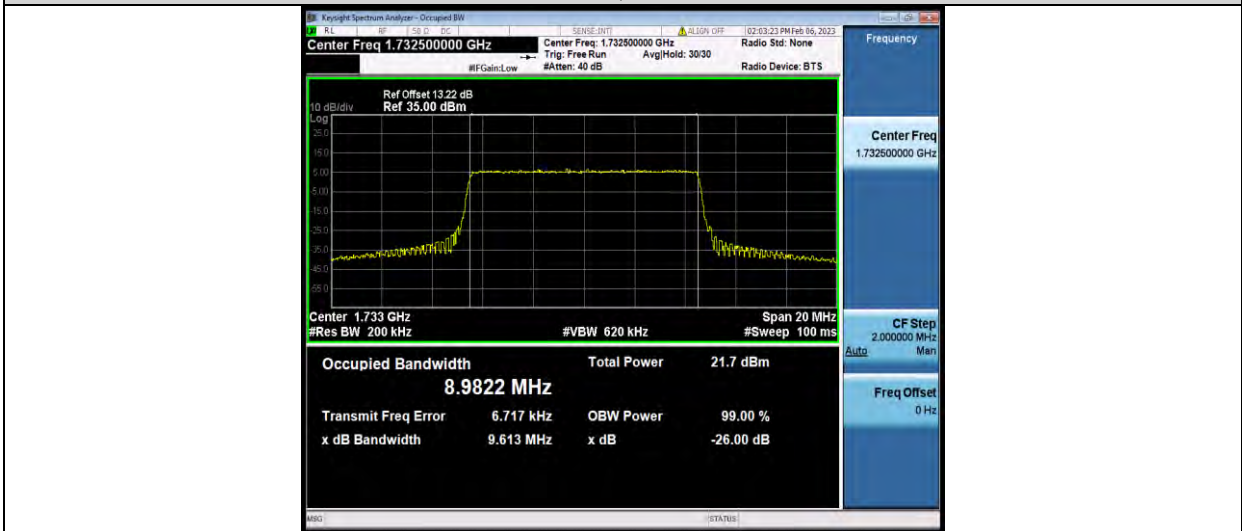
### Test Report No.: W7L-P23010024RF06



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



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



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





BUREAU VERITAS

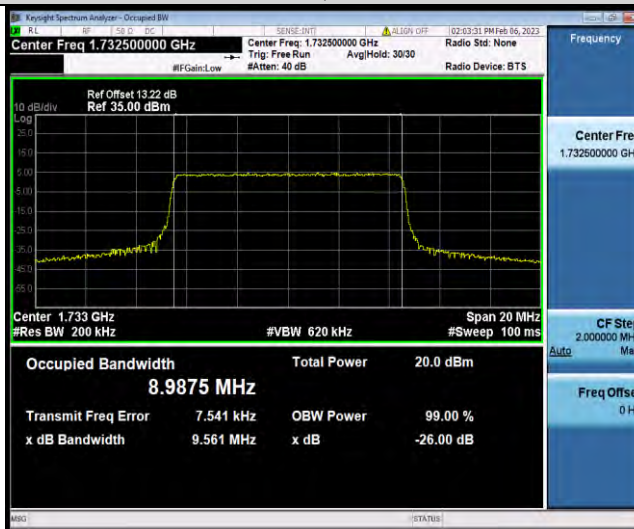
Test Report No.: W7L-P23010024RF06



Band4-10MHz-64QAM-20000-50RB#0



Band4-10MHz-64QAM-20175-50RB#0

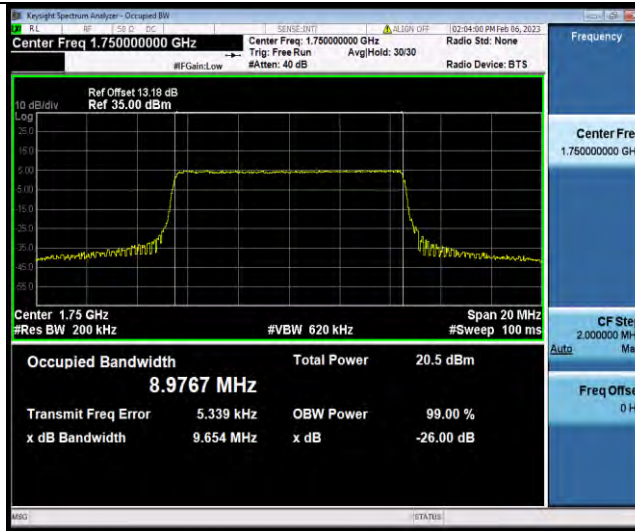


Band4-10MHz-64QAM-20350-50RB#0



BUREAU VERITAS

Test Report No.: W7L-P23010024RF06



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



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



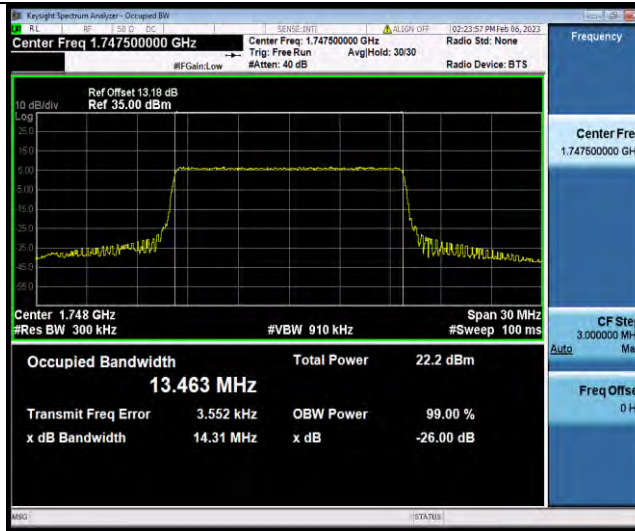
Band4-15MHz-QPSK-20325-75RB#0





BUREAU VERITAS

Test Report No.: W7L-P23010024RF06



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



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

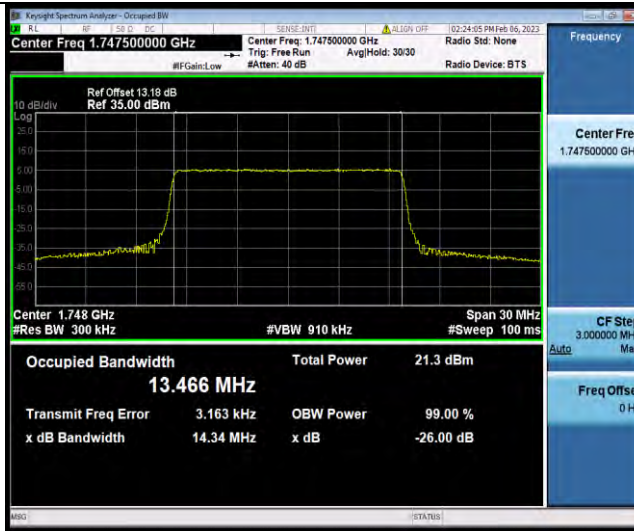


Band4-15MHz-16QAM-20325-75RB#0



BUREAU VERITAS

Test Report No.: W7L-P23010024RF06



Band4-15MHz-64QAM-20025-75RB#0



Band4-15MHz-64QAM-20175-75RB#0



Band4-15MHz-64QAM-20325-75RB#0



BUREAU VERITAS

### Test Report No.: W7L-P23010024RF06



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



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



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





BUREAU VERITAS

Test Report No.: W7L-P23010024RF06



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



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



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



BUREAU VERITAS

### Test Report No.: W7L-P23010024RF06



Band4-20MHz-64QAM-20050-100RB#0



Band4-20MHz-64QAM-20175-100RB#0



Band4-20MHz-64QAM-20300-100RB#0





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Test Report No.: W7L-P23010024RF06





## BAND EDGE

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	-31.72	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-29.44	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-31.76	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-31.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-34.11	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-29.12	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	-34.44	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-31.22	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	-33.35	PASS
Band4	1.4MHz	64QAM	19957	6RB#0	-33.45	PASS
Band4	1.4MHz	64QAM	20393	1RB#5	-31.80	PASS
Band4	1.4MHz	64QAM	20393	6RB#0	-32.11	PASS
Band4	3MHz	QPSK	19965	1RB#0	-20.11	PASS
Band4	3MHz	QPSK	19965	15RB#0	-23.69	PASS
Band4	3MHz	QPSK	20385	1RB#14	-21.41	PASS
Band4	3MHz	QPSK	20385	15RB#0	-24.17	PASS
Band4	3MHz	16QAM	19965	1RB#0	-20.56	PASS
Band4	3MHz	16QAM	19965	15RB#0	-23.76	PASS
Band4	3MHz	16QAM	20385	1RB#14	-21.13	PASS
Band4	3MHz	16QAM	20385	15RB#0	-23.84	PASS
Band4	3MHz	64QAM	19965	1RB#0	-22.91	PASS
Band4	3MHz	64QAM	19965	15RB#0	-25.10	PASS
Band4	3MHz	64QAM	20385	1RB#14	-23.50	PASS
Band4	3MHz	64QAM	20385	15RB#0	-25.78	PASS
Band4	5MHz	QPSK	19975	1RB#0	-27.62	PASS
Band4	5MHz	QPSK	19975	25RB#0	-26.42	PASS
Band4	5MHz	QPSK	20375	1RB#24	-28.78	PASS
Band4	5MHz	QPSK	20375	25RB#0	-27.29	PASS
Band4	5MHz	16QAM	19975	1RB#0	-29.25	PASS
Band4	5MHz	16QAM	19975	25RB#0	-27.84	PASS
Band4	5MHz	16QAM	20375	1RB#24	-28.39	PASS
Band4	5MHz	16QAM	20375	25RB#0	-28.99	PASS
Band4	5MHz	64QAM	19975	1RB#0	-28.72	PASS
Band4	5MHz	64QAM	19975	25RB#0	-28.85	PASS
Band4	5MHz	64QAM	20375	1RB#24	-29.44	PASS
Band4	5MHz	64QAM	20375	25RB#0	-30.20	PASS
Band4	10MHz	QPSK	20000	1RB#0	-33.17	PASS
Band4	10MHz	QPSK	20000	50RB#0	-30.74	PASS
Band4	10MHz	QPSK	20350	1RB#49	-32.94	PASS
Band4	10MHz	QPSK	20350	50RB#0	-29.97	PASS
Band4	10MHz	16QAM	20000	1RB#0	-32.60	PASS
Band4	10MHz	16QAM	20000	50RB#0	-31.03	PASS
Band4	10MHz	16QAM	20350	1RB#49	-32.60	PASS
Band4	10MHz	16QAM	20350	50RB#0	-31.28	PASS

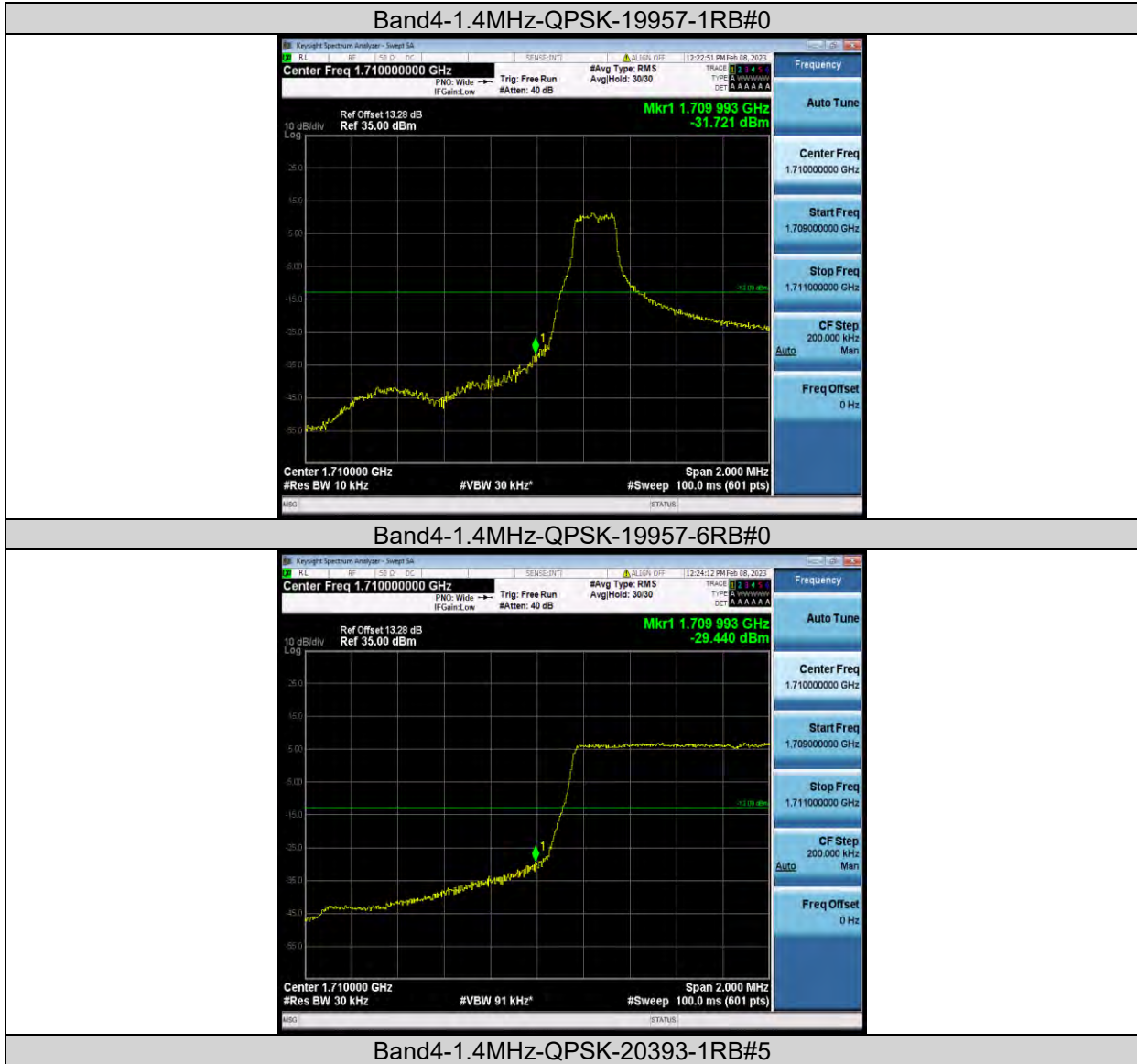


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Test Report No.: W7L-P23010024RF06

Band4	10MHz	64QAM	20000	1RB#0	-33.55	PASS
Band4	10MHz	64QAM	20000	50RB#0	-32.65	PASS
Band4	10MHz	64QAM	20350	1RB#49	-33.29	PASS
Band4	10MHz	64QAM	20350	50RB#0	-32.02	PASS
Band4	15MHz	QPSK	20025	1RB#0	-34.74	PASS
Band4	15MHz	QPSK	20025	75RB#0	-31.84	PASS
Band4	15MHz	QPSK	20325	1RB#74	-34.76	PASS
Band4	15MHz	QPSK	20325	75RB#0	-31.75	PASS
Band4	15MHz	16QAM	20025	1RB#0	-34.23	PASS
Band4	15MHz	16QAM	20025	75RB#0	-31.92	PASS
Band4	15MHz	16QAM	20325	1RB#74	-34.75	PASS
Band4	15MHz	16QAM	20325	75RB#0	-32.16	PASS
Band4	15MHz	64QAM	20025	1RB#0	-36.26	PASS
Band4	15MHz	64QAM	20025	75RB#0	-33.27	PASS
Band4	15MHz	64QAM	20325	1RB#74	-35.67	PASS
Band4	15MHz	64QAM	20325	75RB#0	-33.00	PASS
Band4	20MHz	QPSK	20050	1RB#0	-39.31	PASS
Band4	20MHz	QPSK	20050	100RB#0	-33.30	PASS
Band4	20MHz	QPSK	20300	1RB#99	-38.82	PASS
Band4	20MHz	QPSK	20300	100RB#0	-32.71	PASS
Band4	20MHz	16QAM	20050	1RB#0	-40.20	PASS
Band4	20MHz	16QAM	20050	100RB#0	-34.63	PASS
Band4	20MHz	16QAM	20300	1RB#99	-40.33	PASS
Band4	20MHz	16QAM	20300	100RB#0	-34.33	PASS
Band4	20MHz	64QAM	20050	1RB#0	-40.07	PASS
Band4	20MHz	64QAM	20050	100RB#0	-35.25	PASS
Band4	20MHz	64QAM	20300	1RB#99	-39.68	PASS
Band4	20MHz	64QAM	20300	100RB#0	-34.43	PASS

### Test Graphs





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Test Report No.: W7L-P23010024RF06



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



Band4-1.4MHz-16QAM-19957-1RB#0



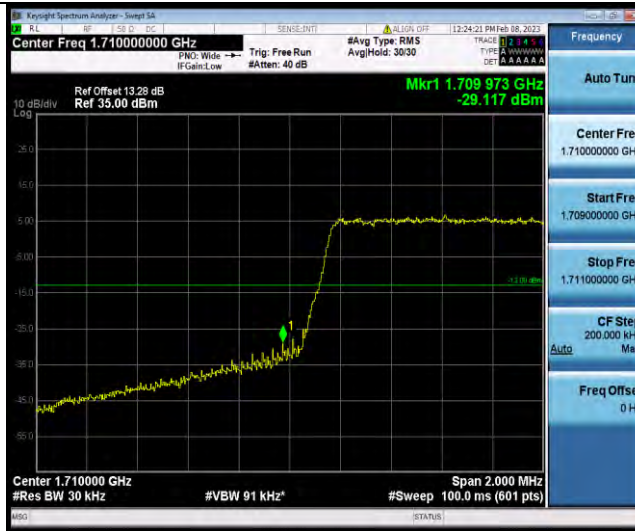
Band4-1.4MHz-16QAM-19957-6RB#0





BUREAU VERITAS

### Test Report No.: W7L-P23010024RF06



Band4-1.4MHz-16QAM-20393-1RB#5



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



Band4-1.4MHz-64QAM-19957-1RB#0

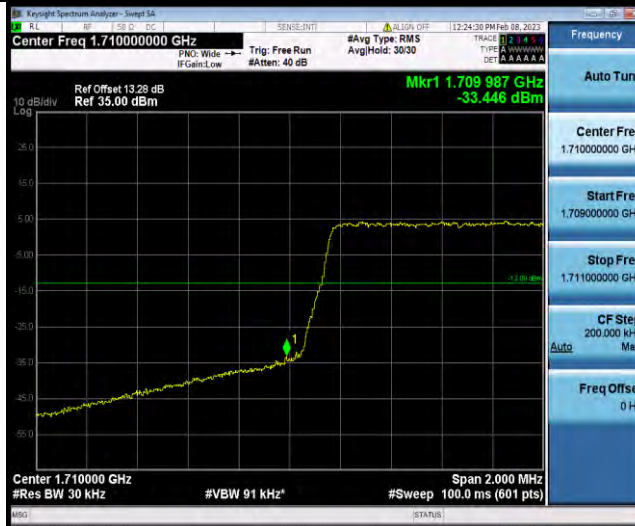


BUREAU VERITAS

Test Report No.: W7L-P23010024RF06



Band4-1.4MHz-64QAM-19957-6RB#0



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Band4-1.4MHz-64QAM-20393-6RB#0

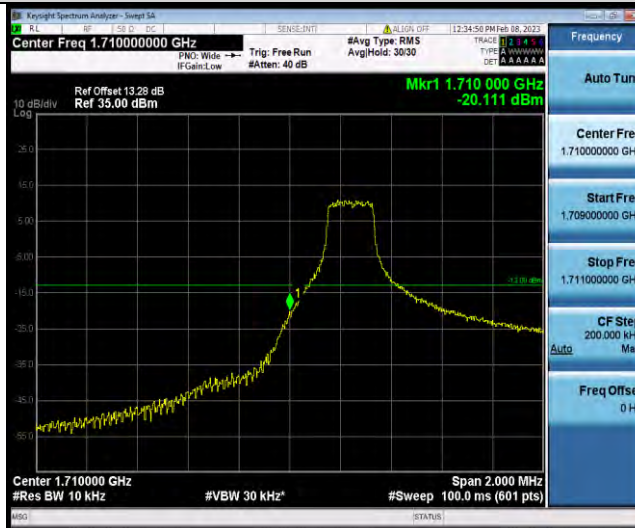


BUREAU VERITAS

### Test Report No.: W7L-P23010024RF06



Band4-3MHz-QPSK-19965-1RB#0



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



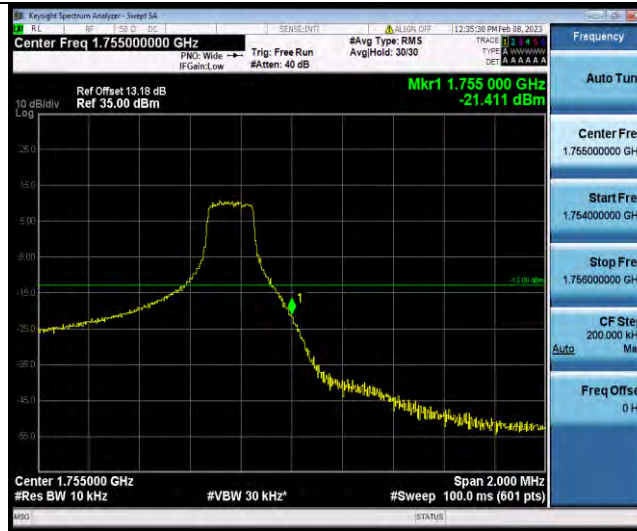
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BUREAU VERITAS

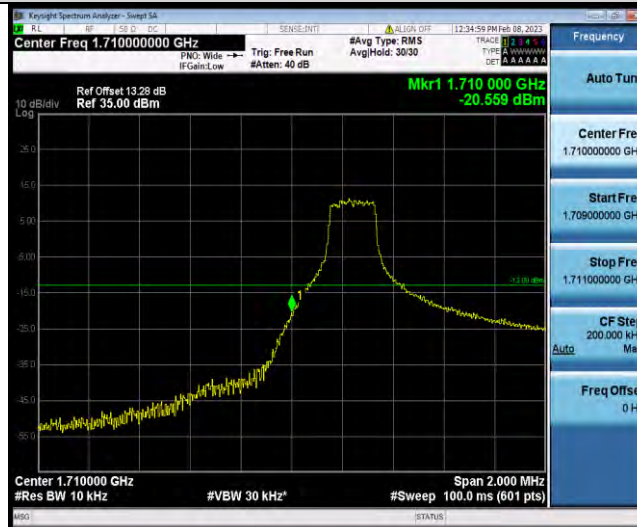
Test Report No.: W7L-P23010024RF06



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



Band4-3MHz-16QAM-19965-1RB#0



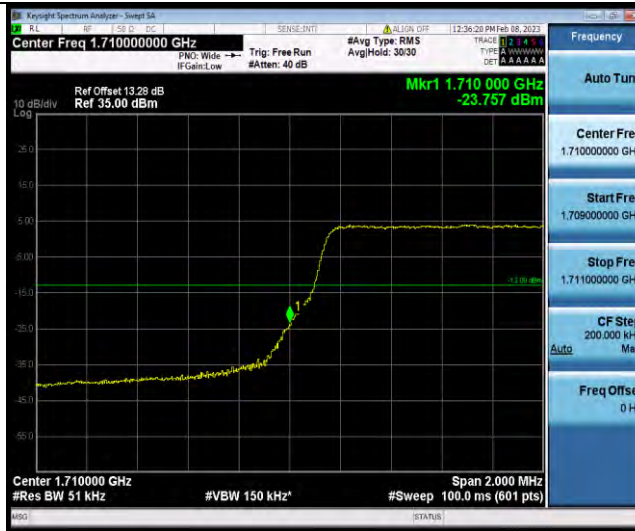
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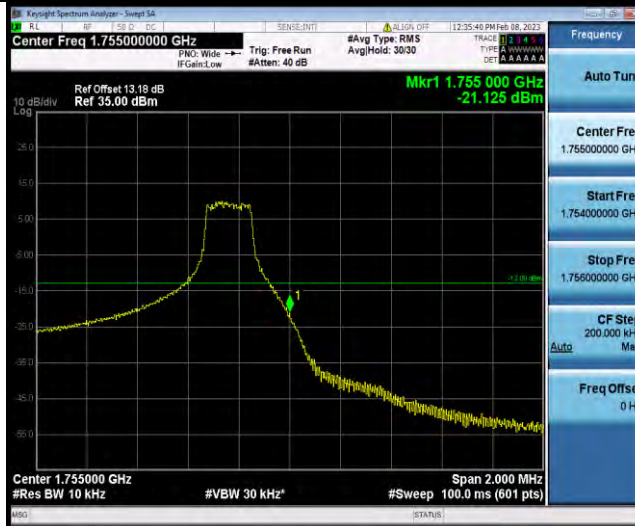


BUREAU VERITAS

### Test Report No.: W7L-P23010024RF06



Band4-3MHz-16QAM-20385-1RB#14



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

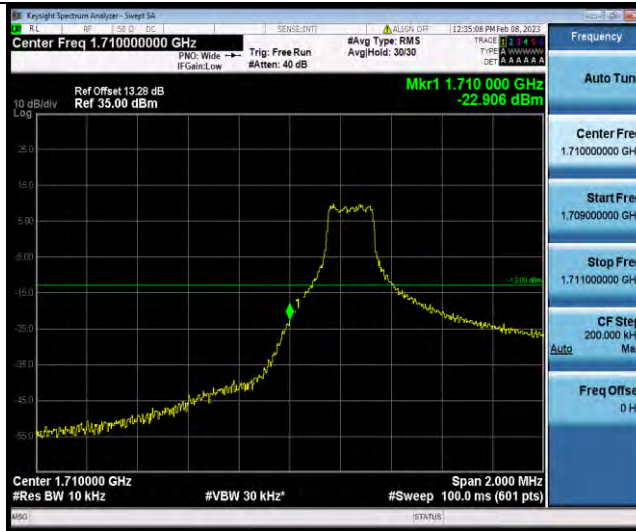


Band4-3MHz-64QAM-19965-1RB#0



BUREAU VERITAS

### Test Report No.: W7L-P23010024RF06



Band4-3MHz-64QAM-19965-15RB#0



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Band4-3MHz-64QAM-20385-15RB#0

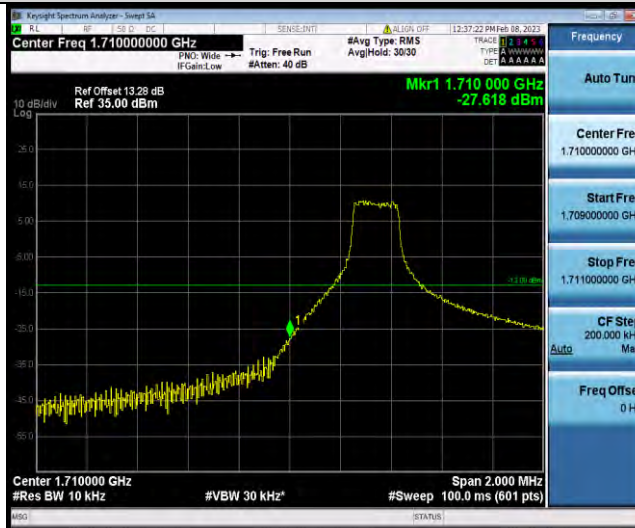


BUREAU VERITAS

Test Report No.: W7L-P23010024RF06



Band4-5MHz-QPSK-19975-1RB#0



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



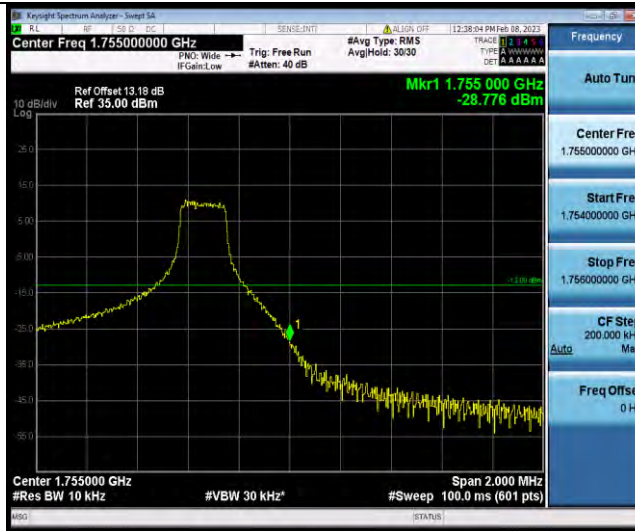
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BUREAU VERITAS

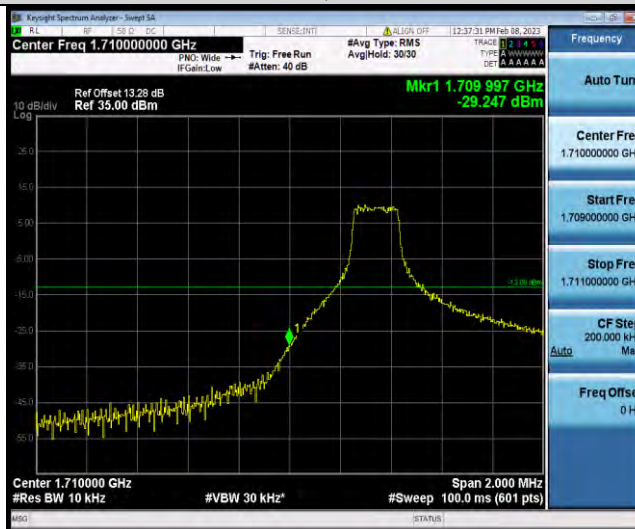
### Test Report No.: W7L-P23010024RF06



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



Band4-5MHz-16QAM-19975-1RB#0



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



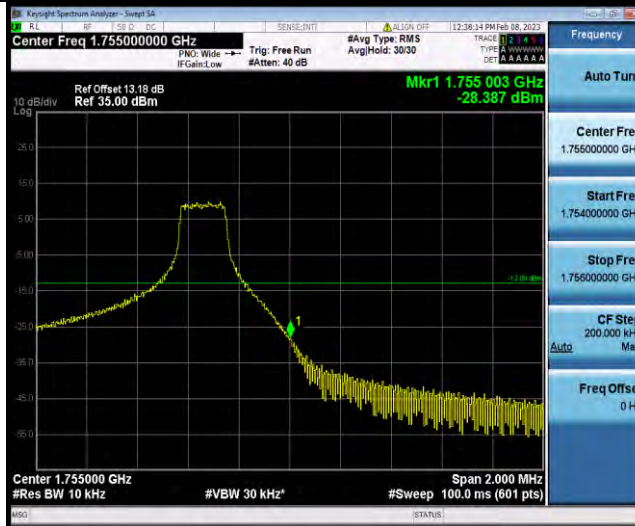


BUREAU VERITAS

Test Report No.: W7L-P23010024RF06



Band4-5MHz-16QAM-20375-1RB#24



Band4-5MHz-16QAM-20375-25RB#0

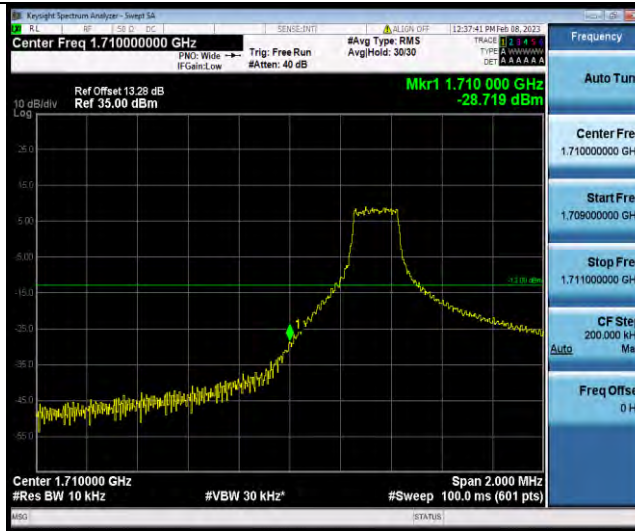


Band4-5MHz-64QAM-19975-1RB#0



BUREAU VERITAS

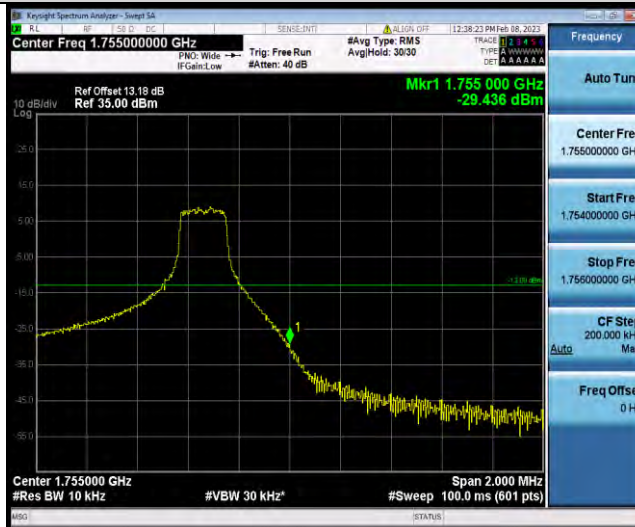
Test Report No.: W7L-P23010024RF06



Band4-5MHz-64QAM-19975-25RB#0



Band4-5MHz-64QAM-20375-1RB#24



Band4-5MHz-64QAM-20375-25RB#0

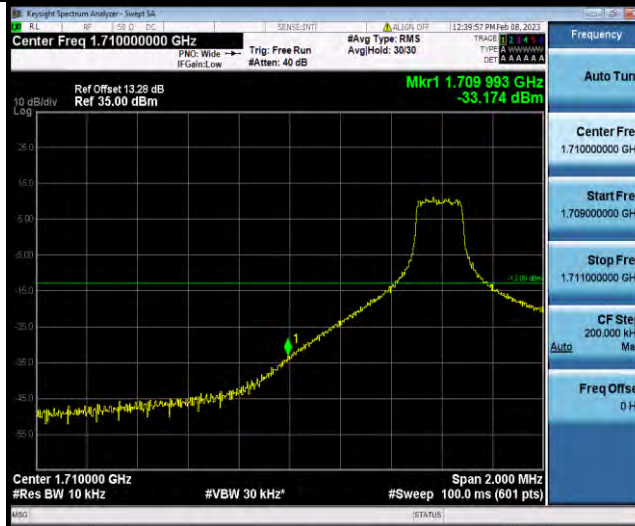


BUREAU VERITAS

Test Report No.: W7L-P23010024RF06



Band4-10MHz-QPSK-20000-1RB#0



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



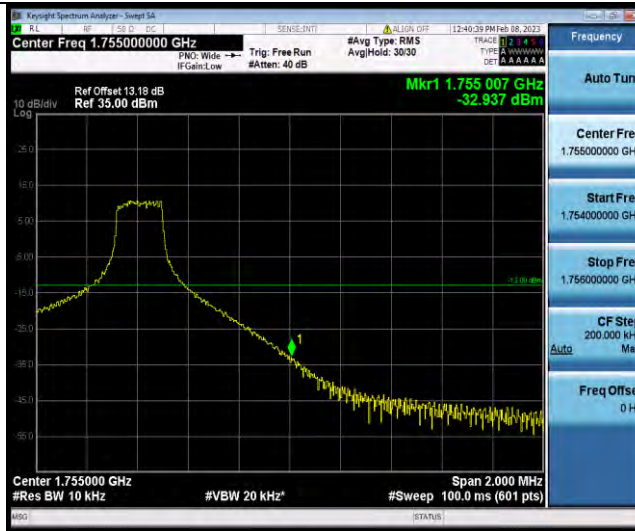
Band4-10MHz-QPSK-20350-1RB#49





BUREAU VERITAS

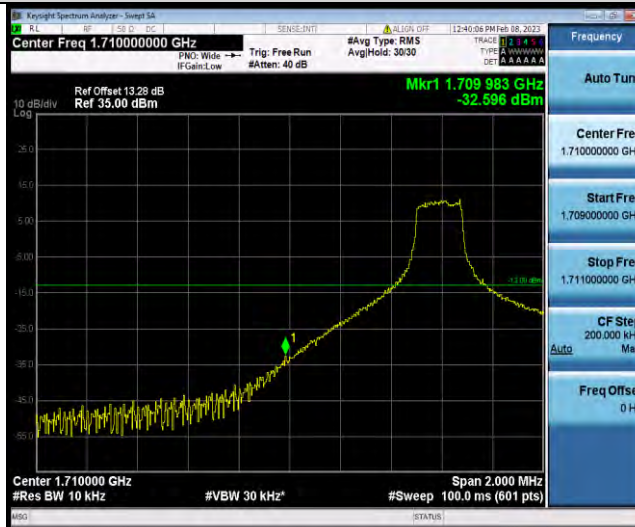
Test Report No.: W7L-P23010024RF06



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



Band4-10MHz-16QAM-20000-1RB#0



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