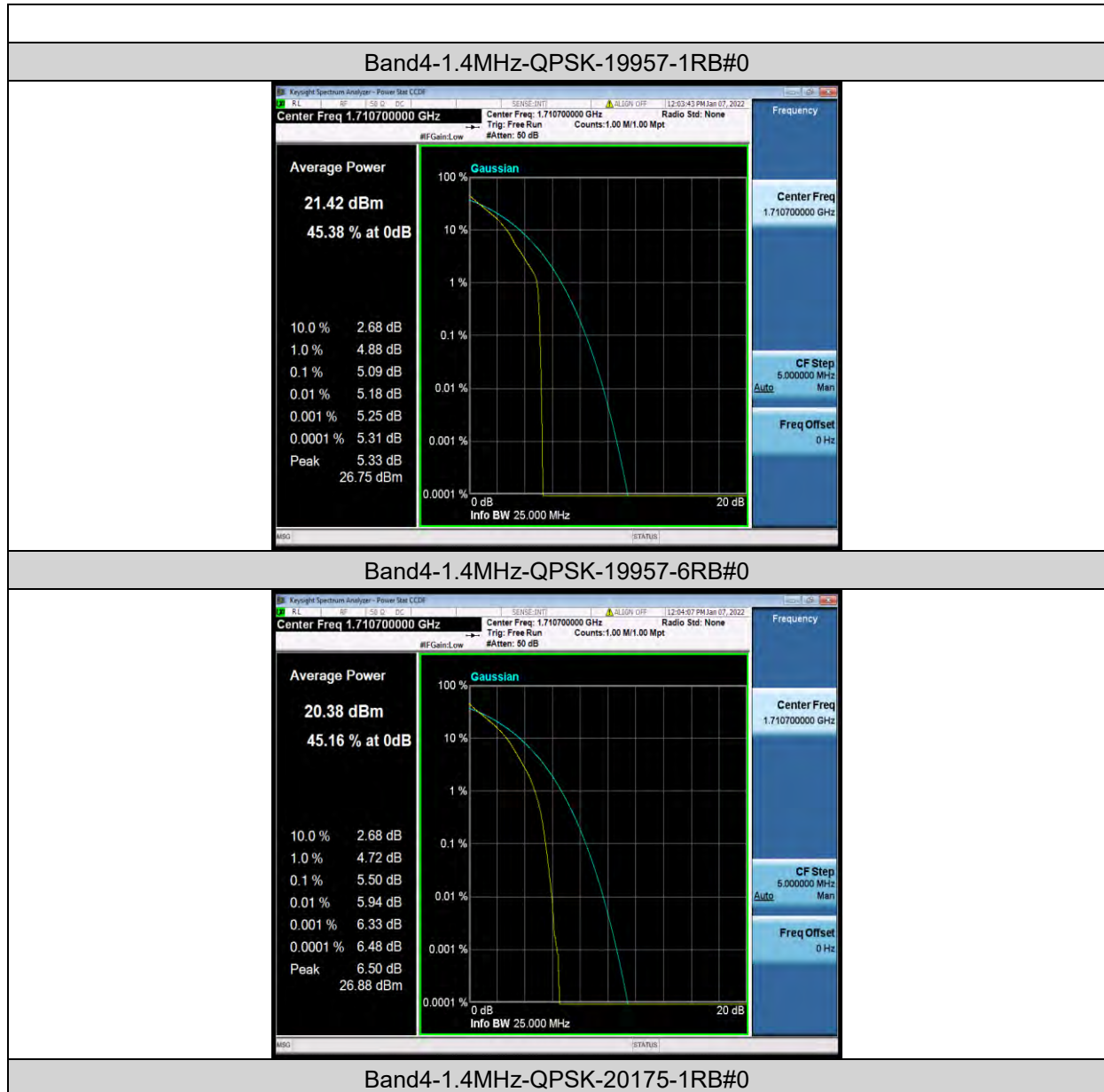


Test Graphs



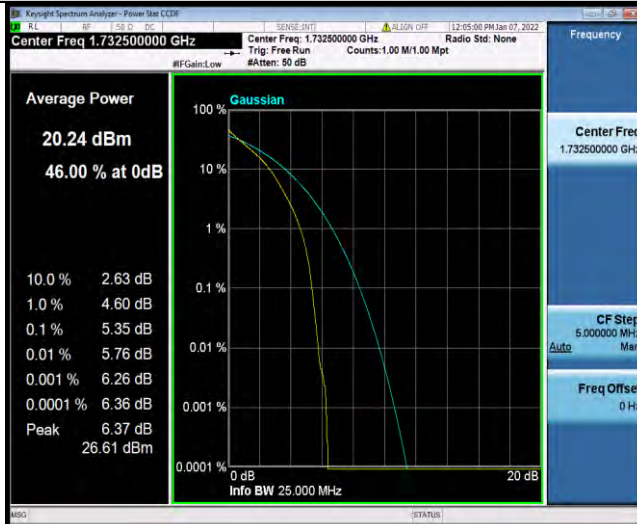


BUREAU VERITAS

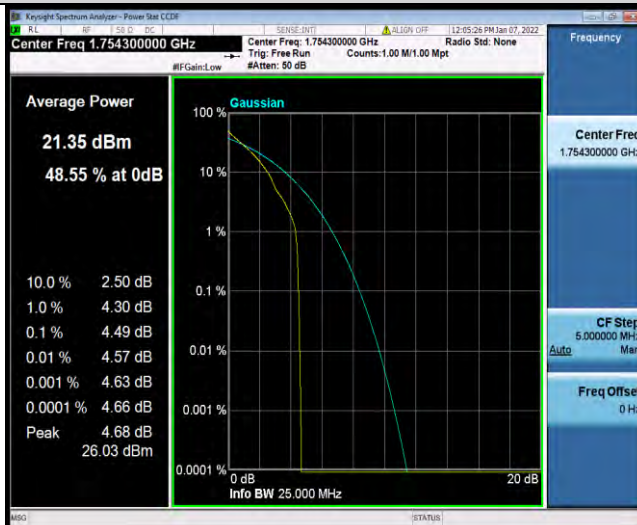
Test Report No.: W7L-P22010007RF04



Band4-1.4MHz-QPSK-20175-6RB#0



Band4-1.4MHz-QPSK-20393-1RB#0

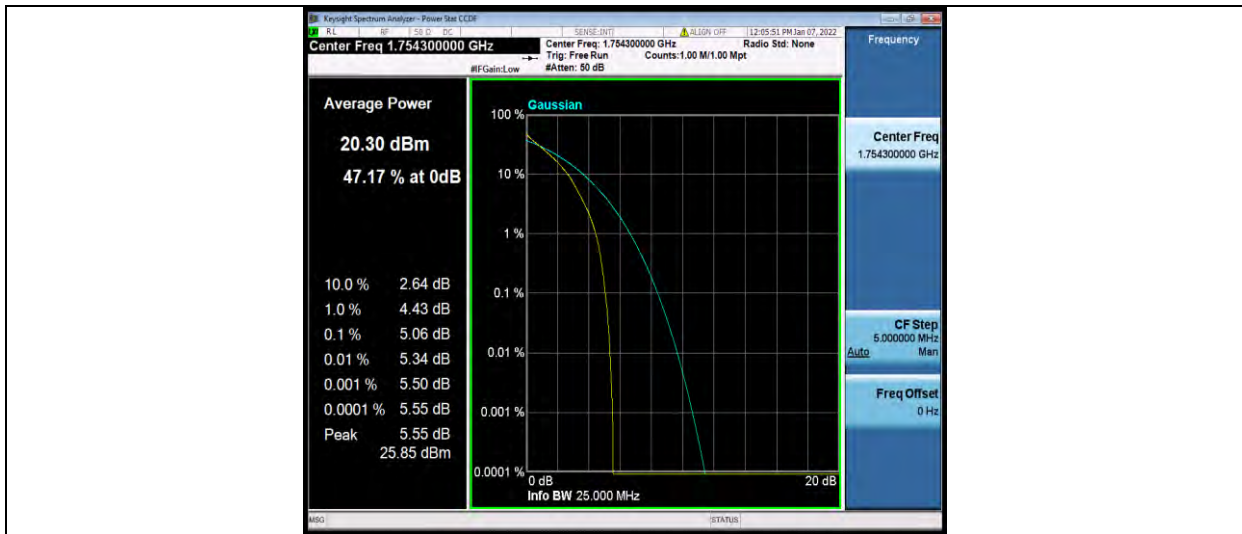


Band4-1.4MHz-QPSK-20393-6RB#0

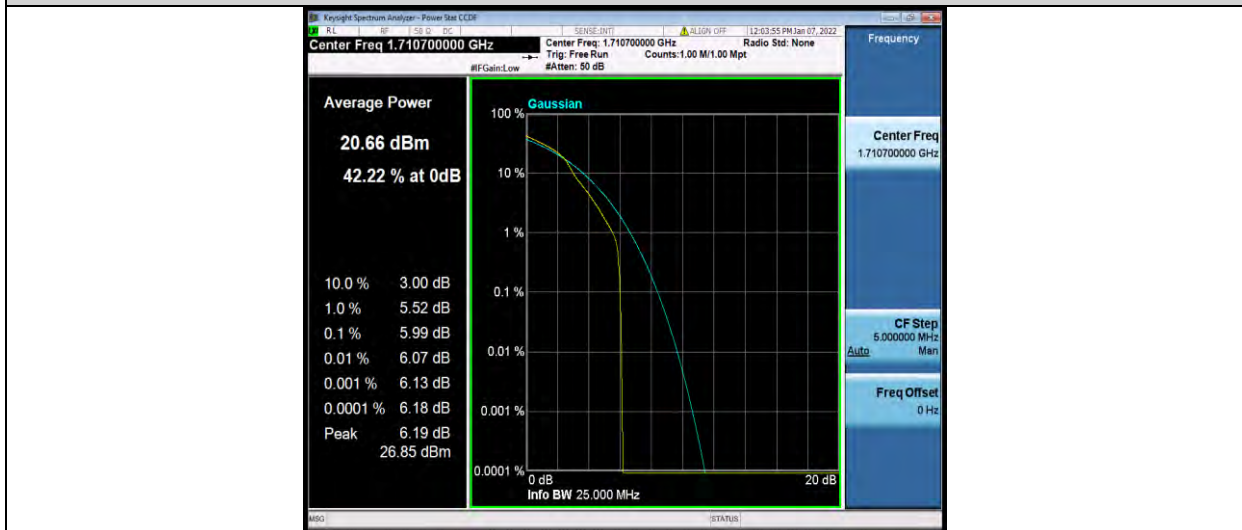


BUREAU VERITAS

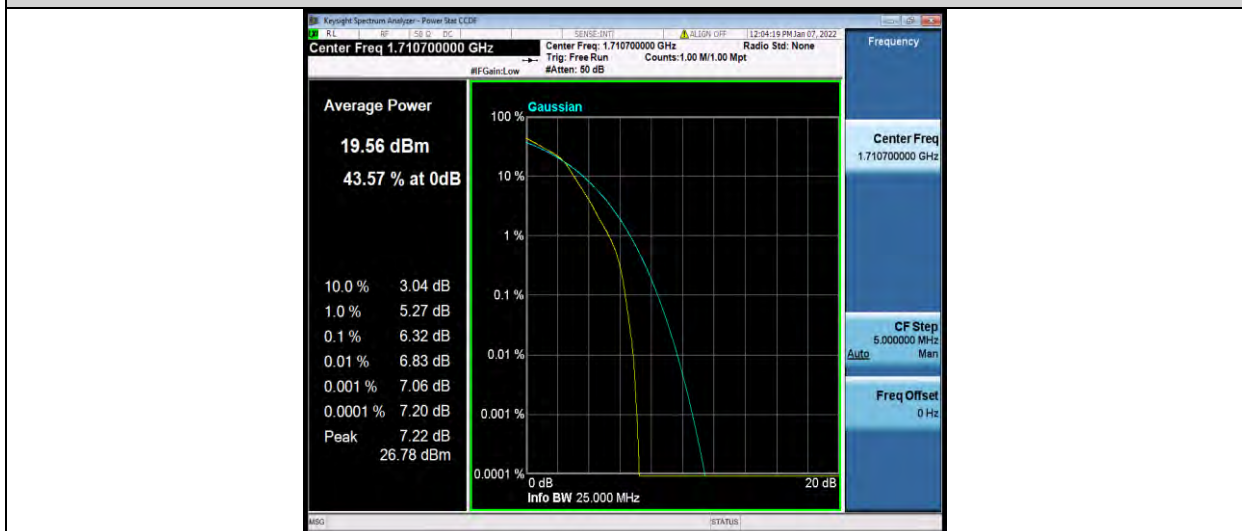
Test Report No.: W7L-P22010007RF04



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



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



Band4-1.4MHz-16QAM-20175-1RB#0

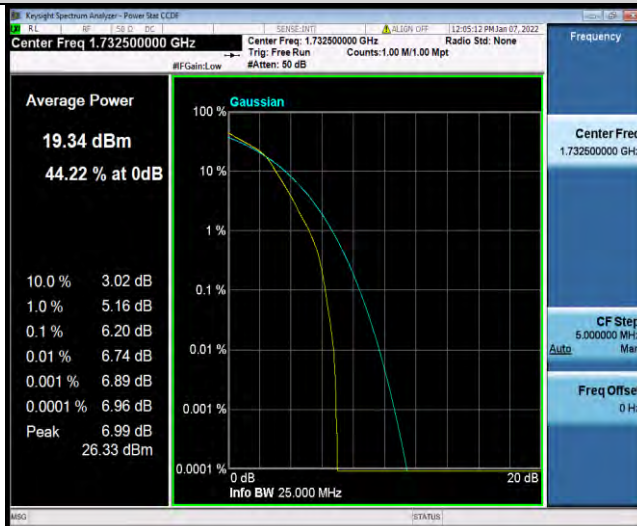


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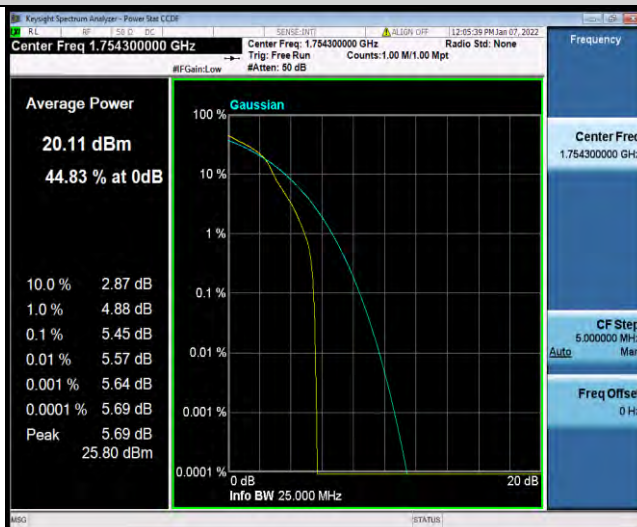
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Band4-1.4MHz-16QAM-20175-6RB#0



Band4-1.4MHz-16QAM-20393-1RB#0



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

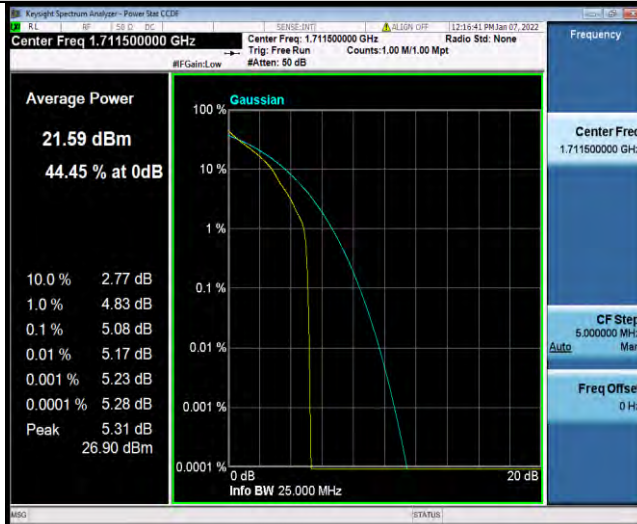


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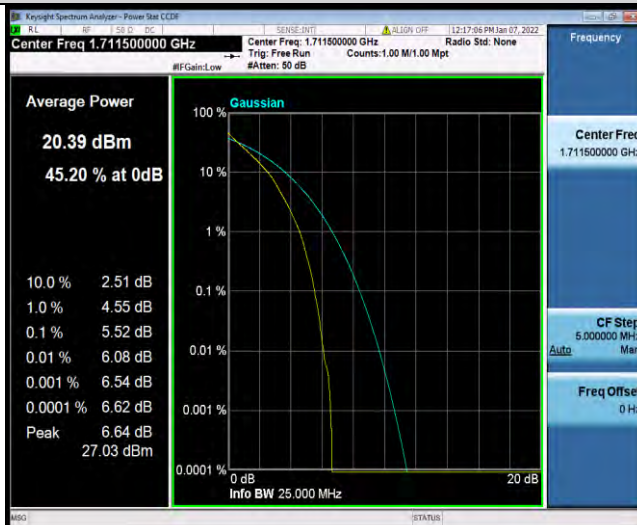
Test Report No.: W7L-P22010007RF04



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



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

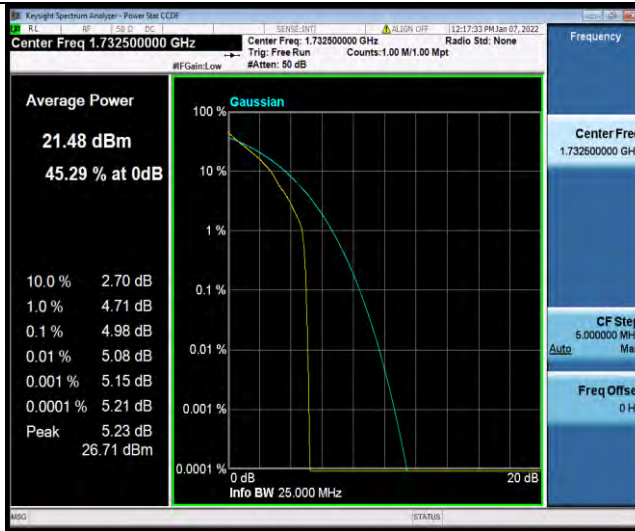


Band4-3MHz-QPSK-20175-1RB#0



BUREAU VERITAS

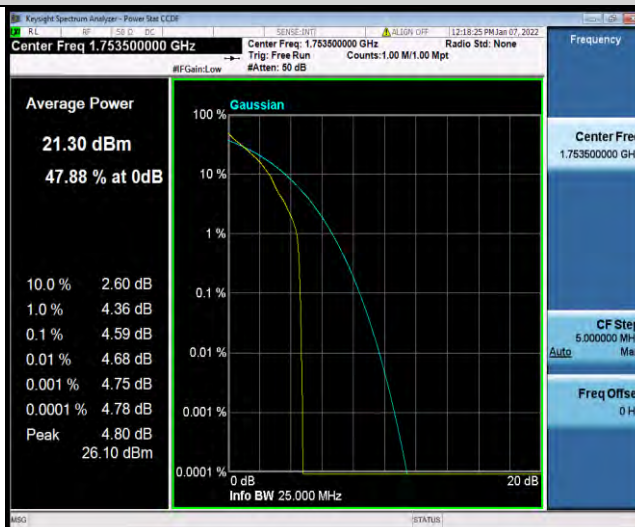
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Band4-3MHz-QPSK-20175-15RB#0



Band4-3MHz-QPSK-20385-1RB#0

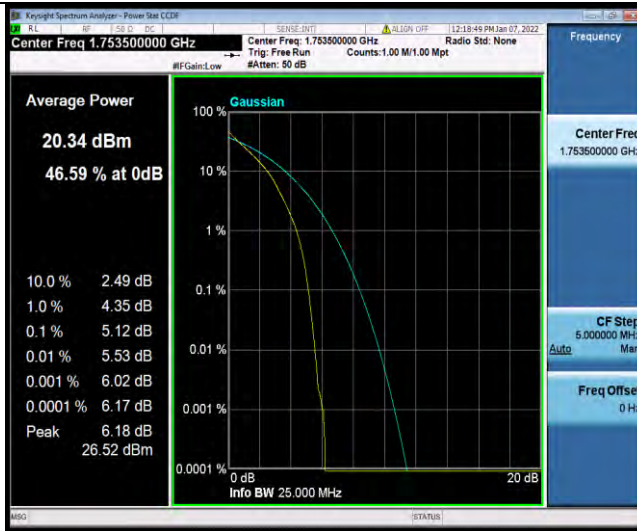


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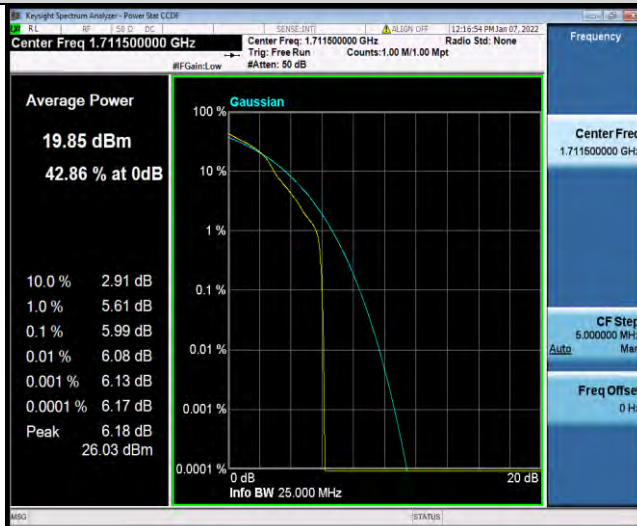


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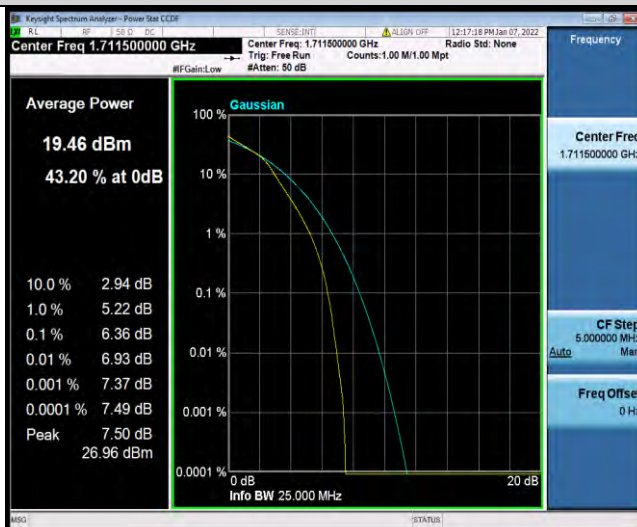
Test Report No.: W7L-P22010007RF04



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



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

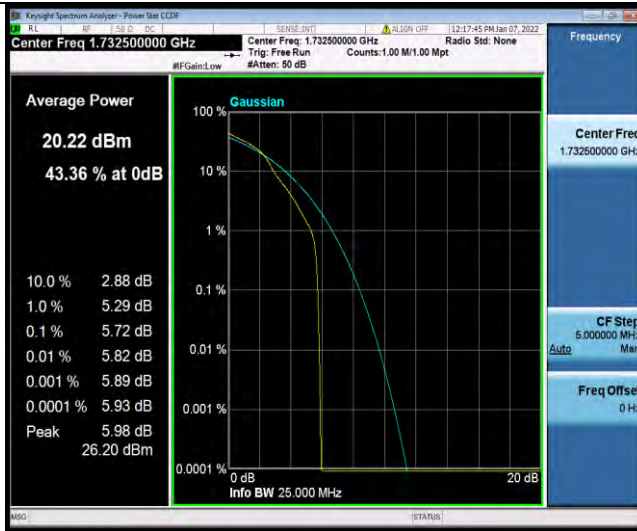


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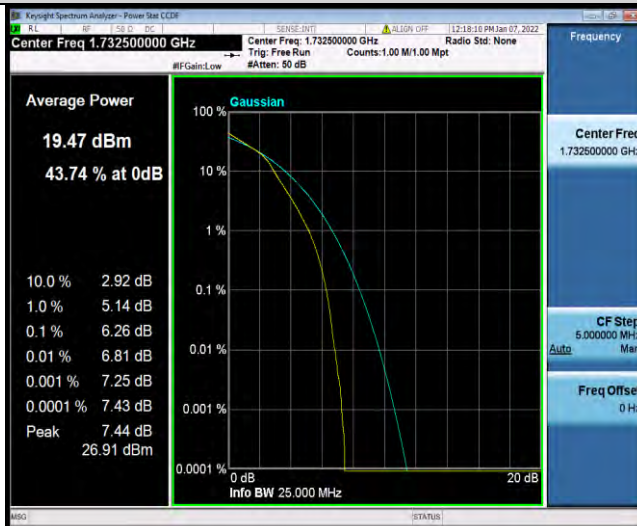


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VERITAS

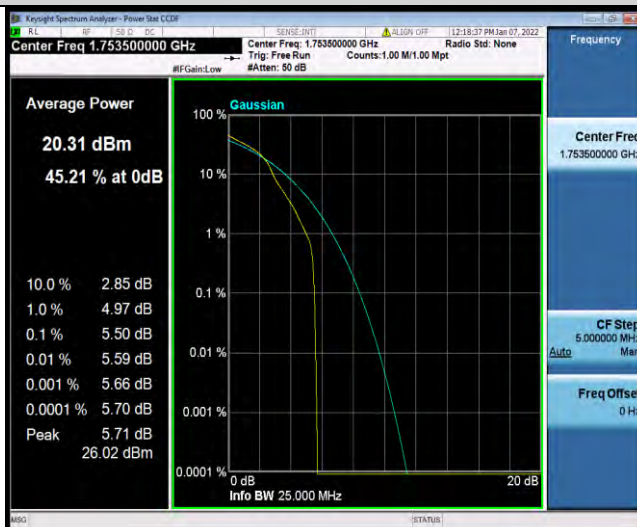
Test Report No.: W7L-P22010007RF04



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



Band4-3MHz-16QAM-20385-1RB#0



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

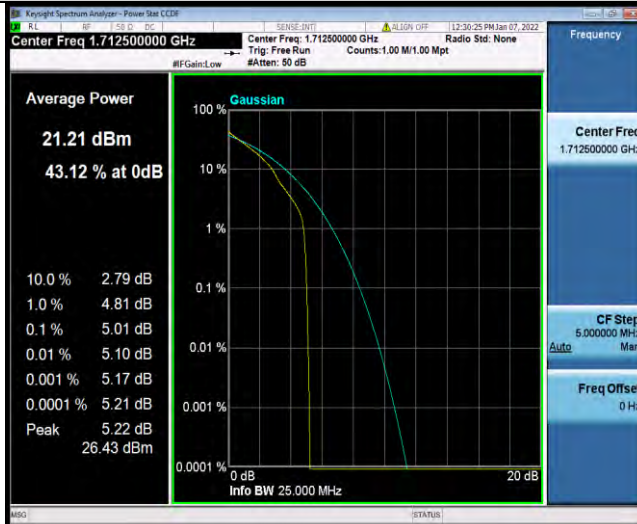


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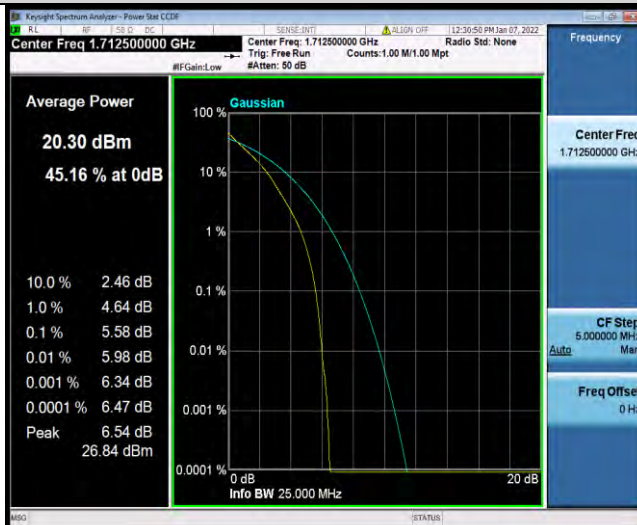
Test Report No.: W7L-P22010007RF04



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



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

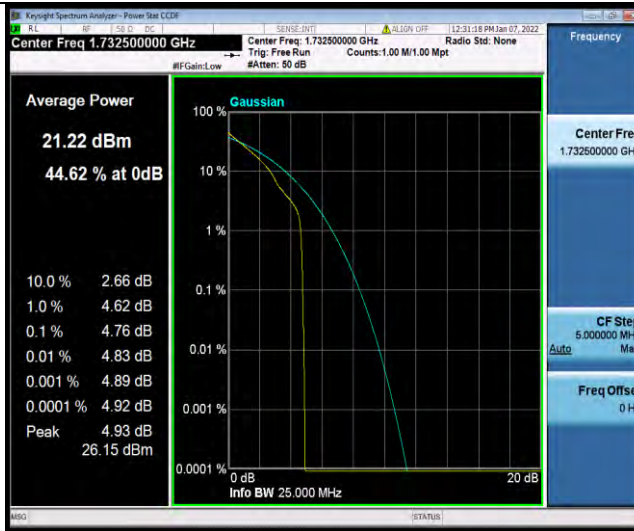


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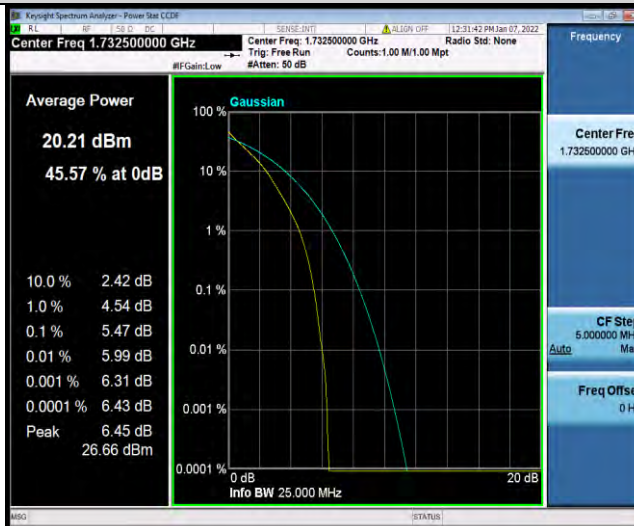


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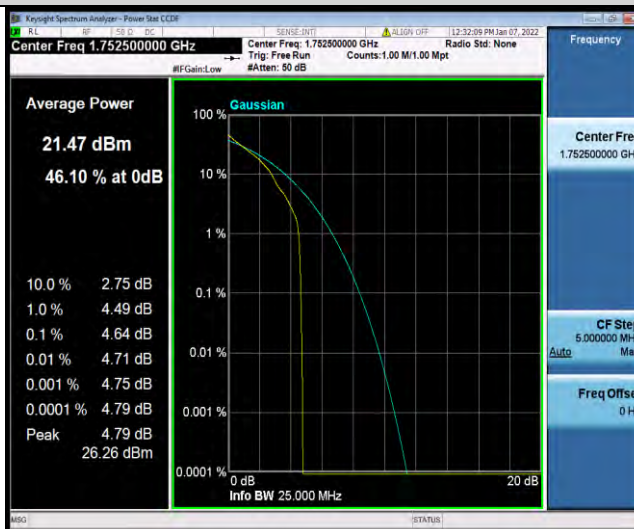
Test Report No.: W7L-P22010007RF04



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



Band4-5MHz-QPSK-20375-1RB#0



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

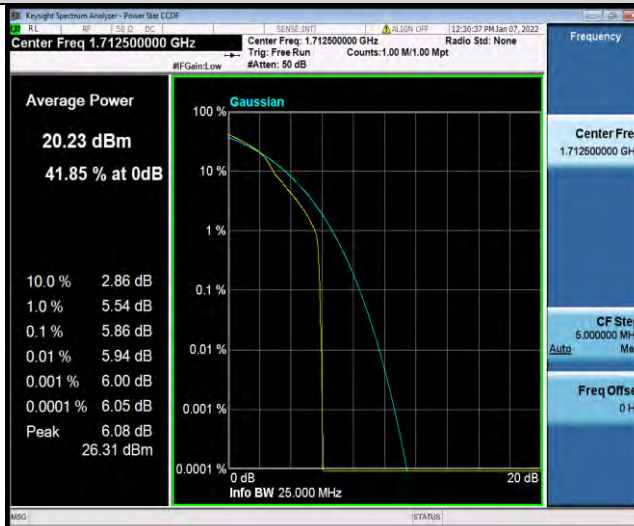


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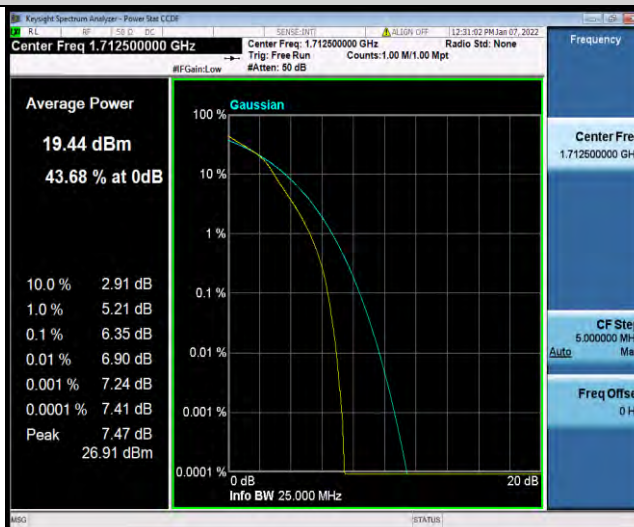
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Band4-5MHz-16QAM-19975-1RB#0



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

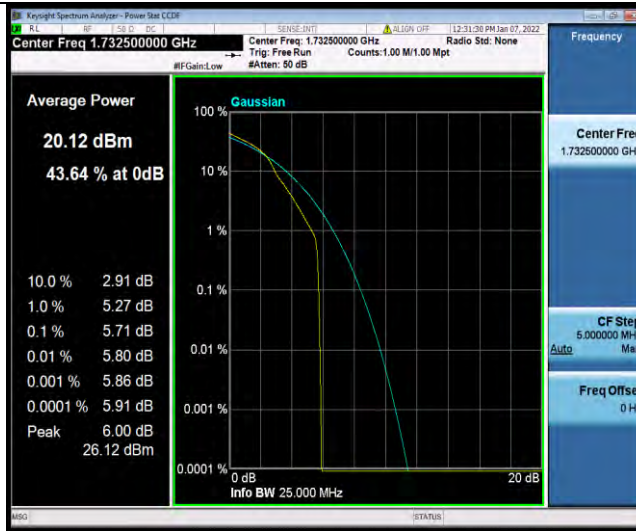


Band4-5MHz-16QAM-20175-1RB#0



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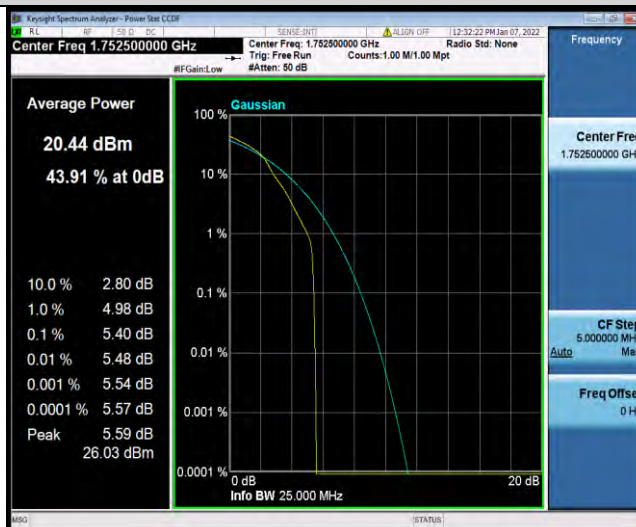
Test Report No.: W7L-P22010007RF04



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



Band4-5MHz-16QAM-20375-1RB#0



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

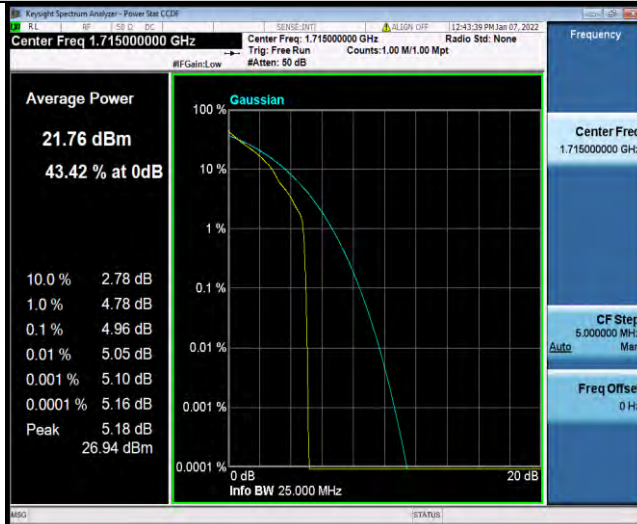


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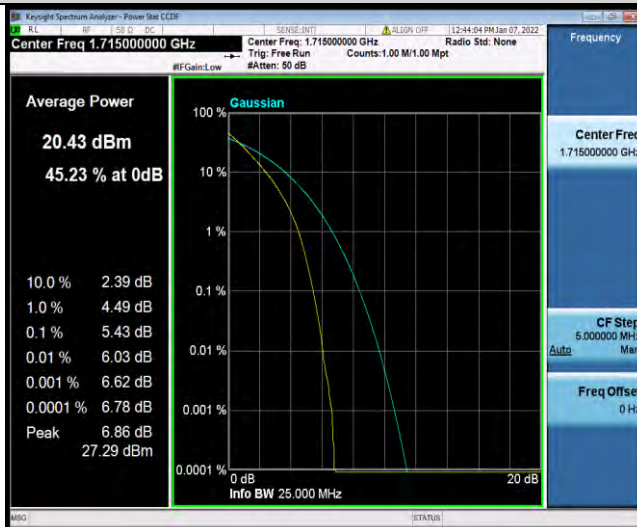
Test Report No.: W7L-P22010007RF04



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



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



Band4-10MHz-QPSK-20175-1RB#0



BUREAU VERITAS

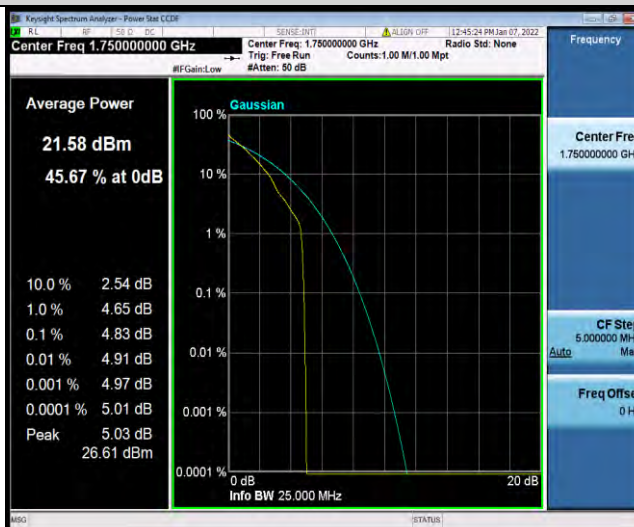
Test Report No.: W7L-P22010007RF04



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



Band4-10MHz-QPSK-20350-1RB#0

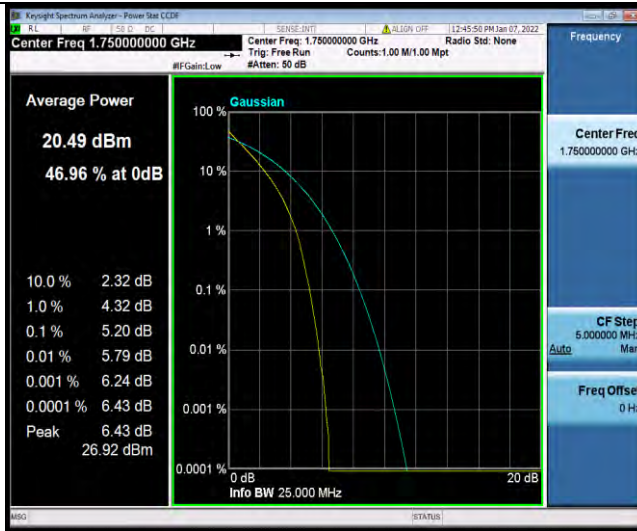


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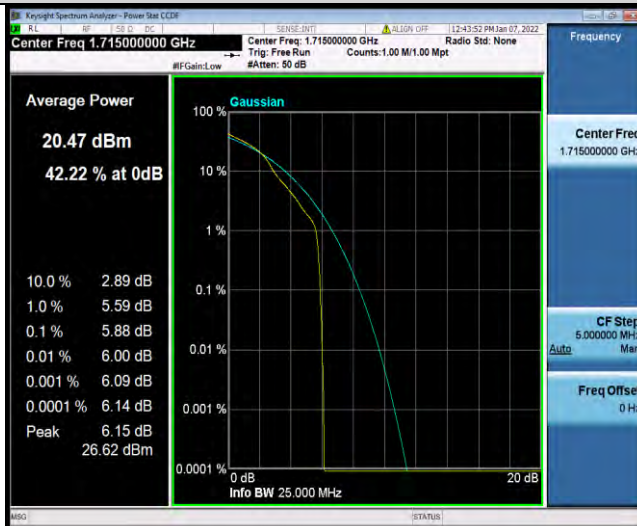


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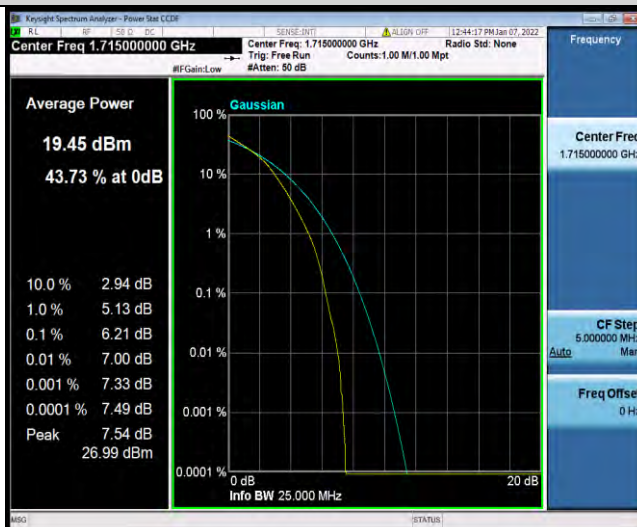
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Band4-10MHz-16QAM-20000-1RB#0



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

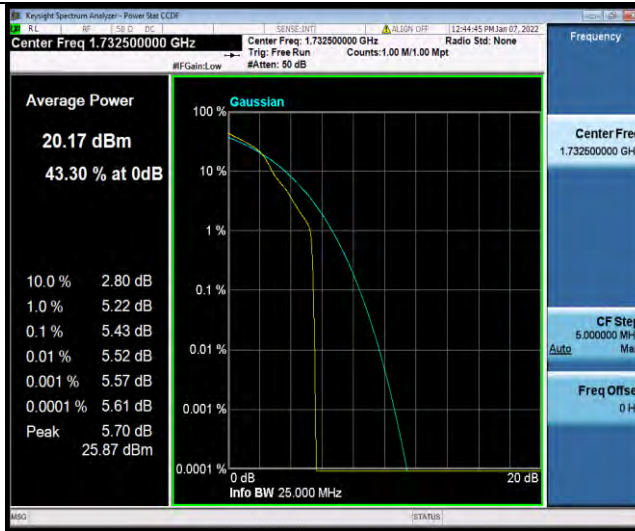


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VERITAS

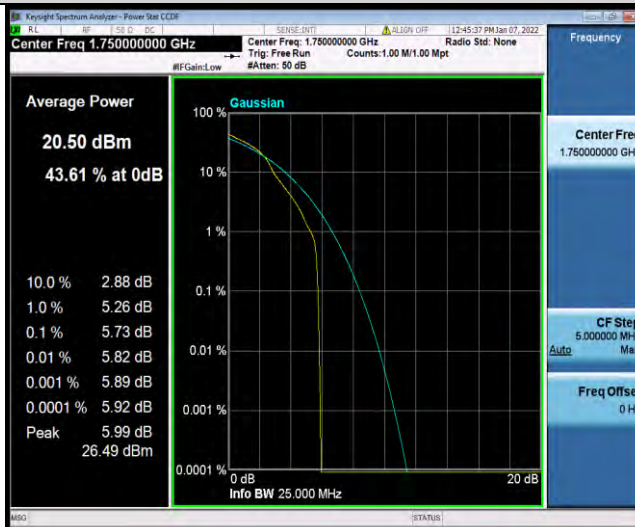
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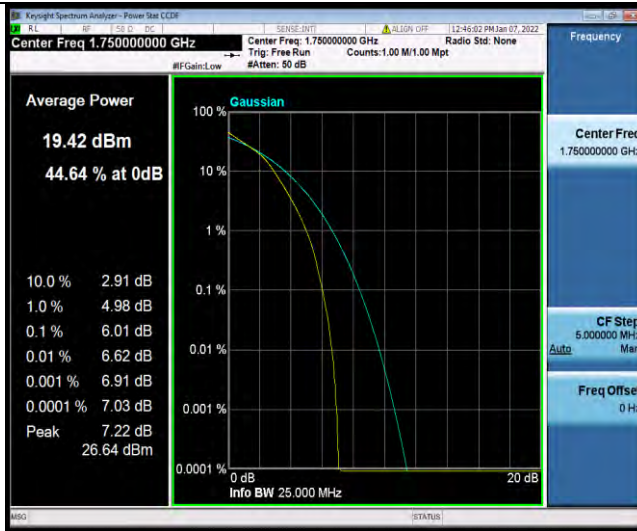


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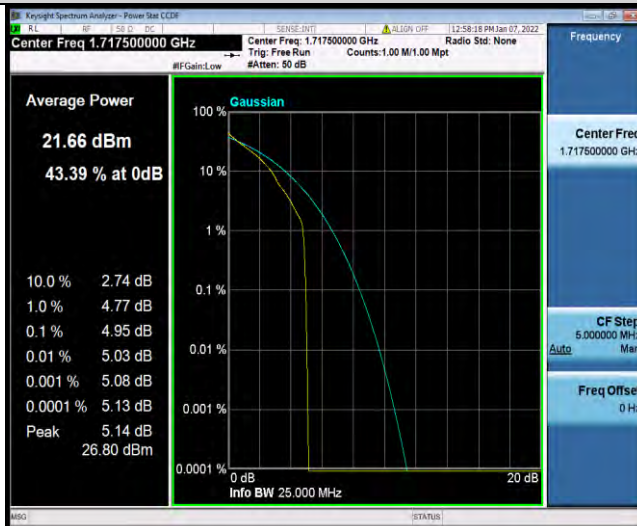


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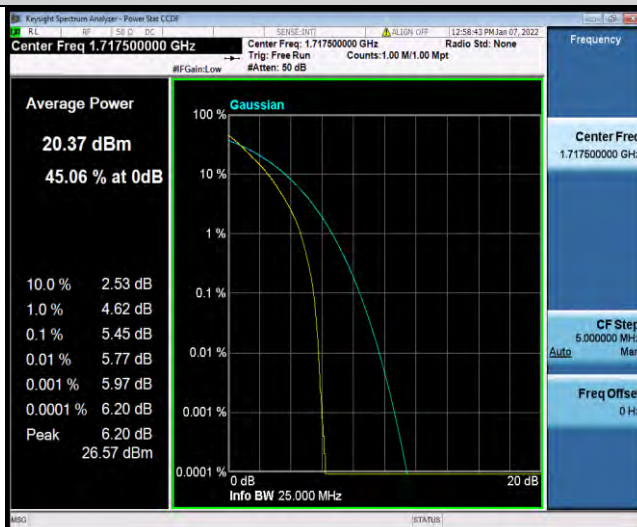
Test Report No.: W7L-P22010007RF04



Band4-15MHz-QPSK-20025-1RB#0



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



Band4-15MHz-QPSK-20175-1RB#0

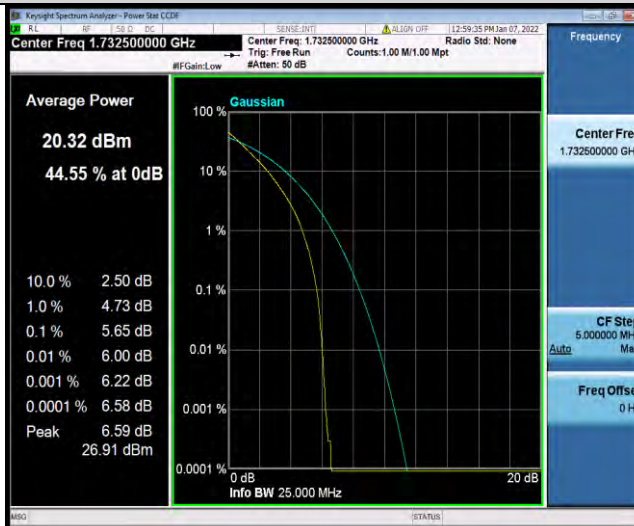


BUREAU VERITAS

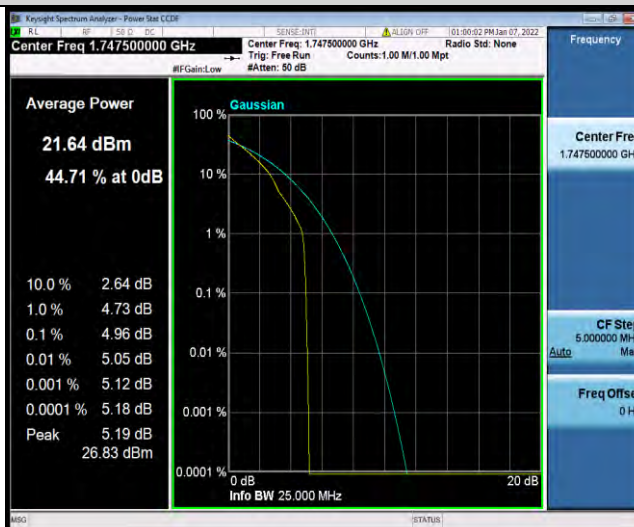
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Band4-15MHz-QPSK-20175-75RB#0



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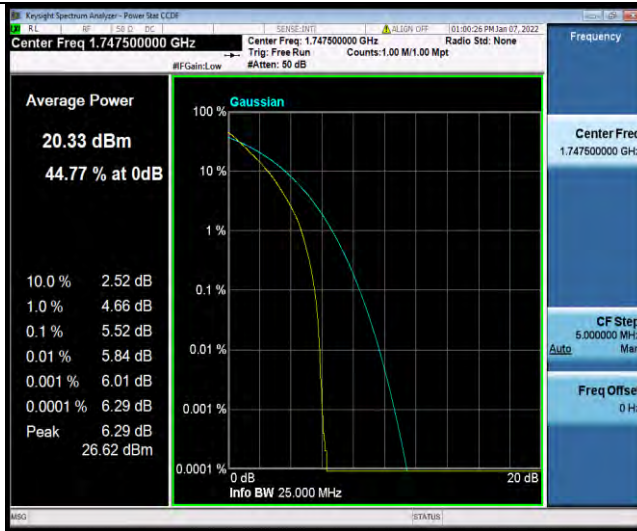


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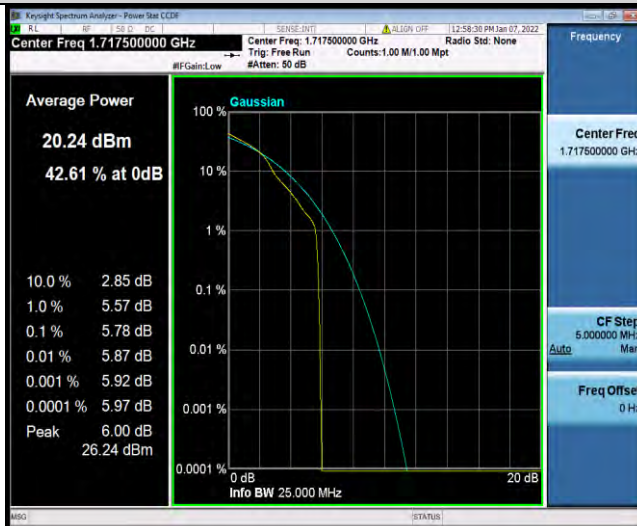


BUREAU VERITAS

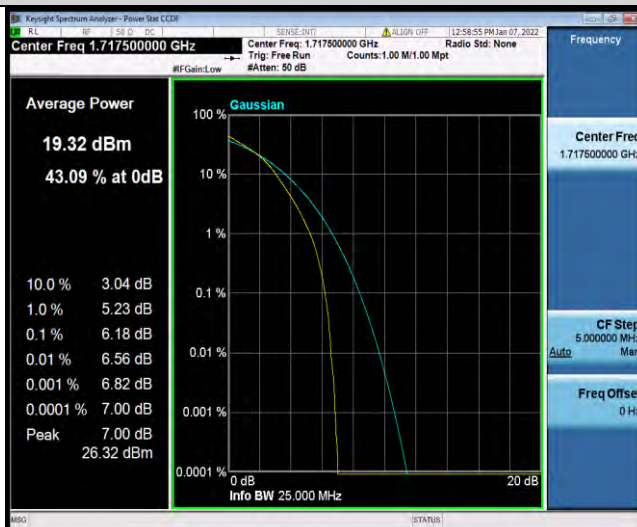
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Band4-15MHz-16QAM-20025-1RB#0



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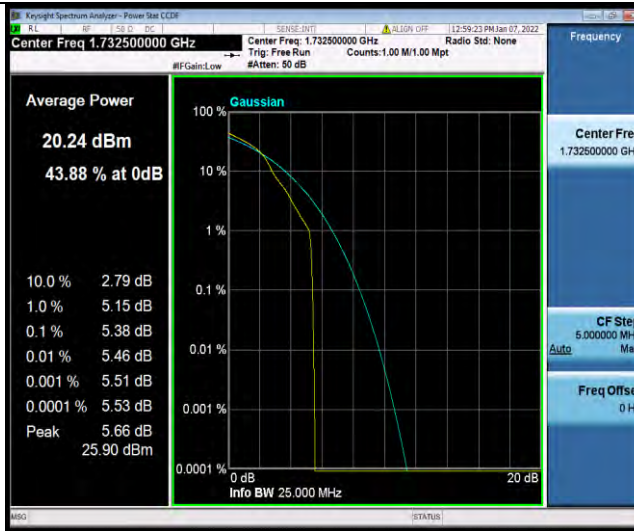


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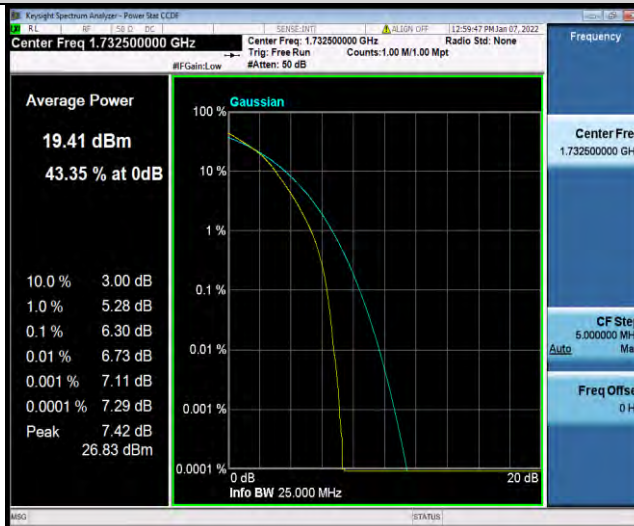


BUREAU VERITAS

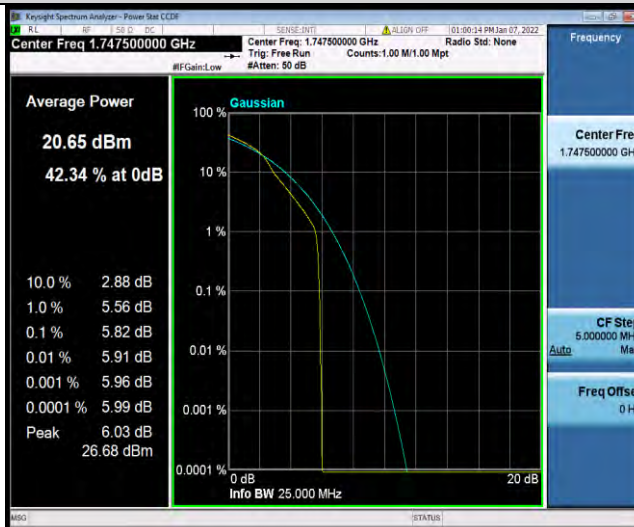
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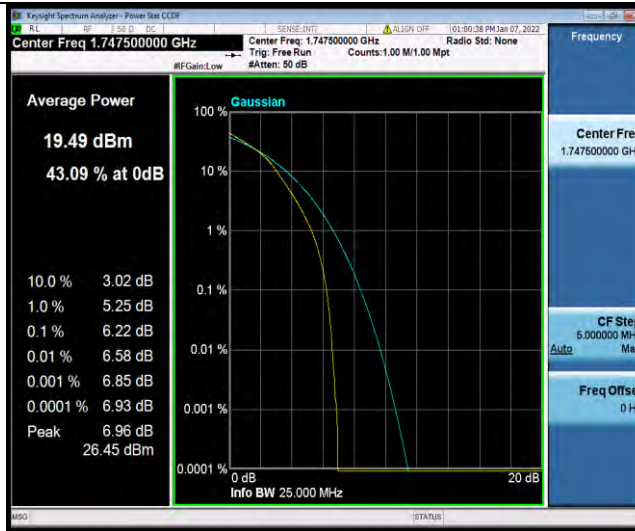


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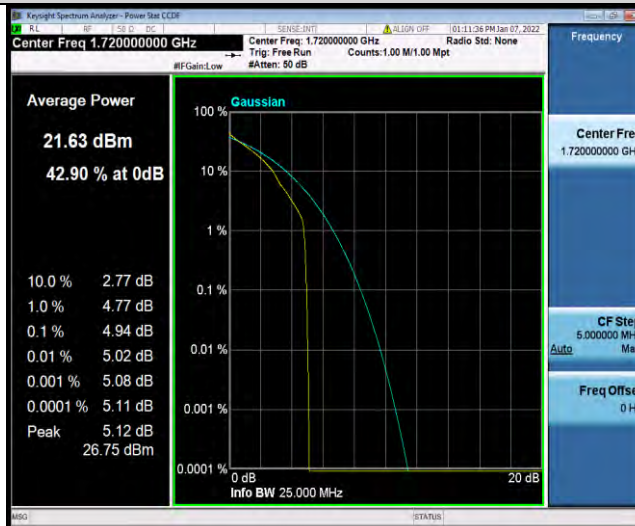


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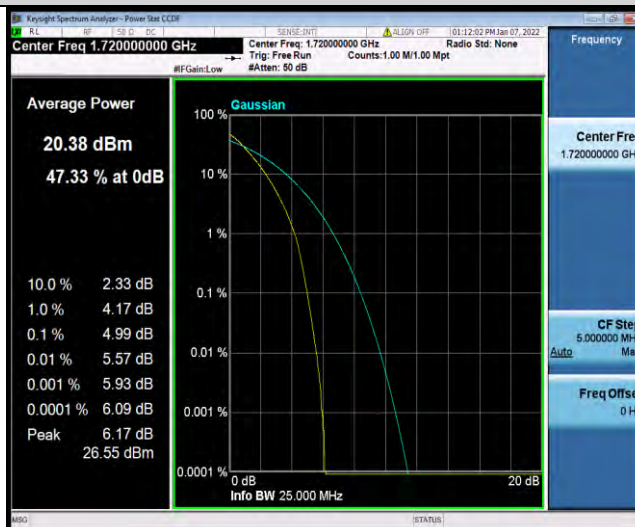
Test Report No.: W7L-P22010007RF04



Band4-20MHz-QPSK-20050-1RB#0



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



Band4-20MHz-QPSK-20175-1RB#0

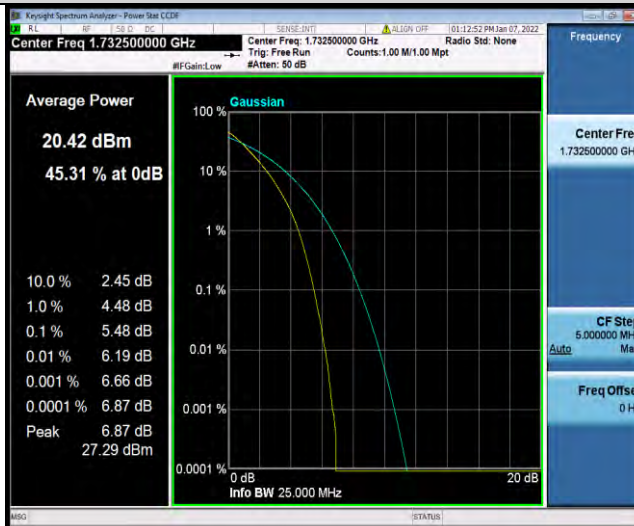


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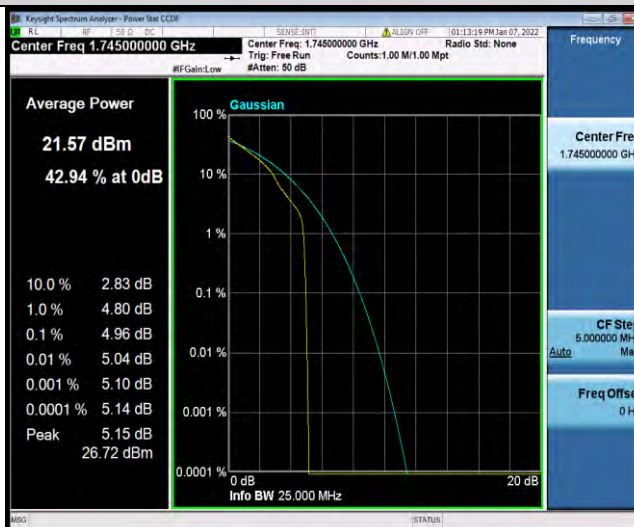
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Band4-20MHz-QPSK-20175-100RB#0



Band4-20MHz-QPSK-20300-1RB#0



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



BUREAU VERITAS

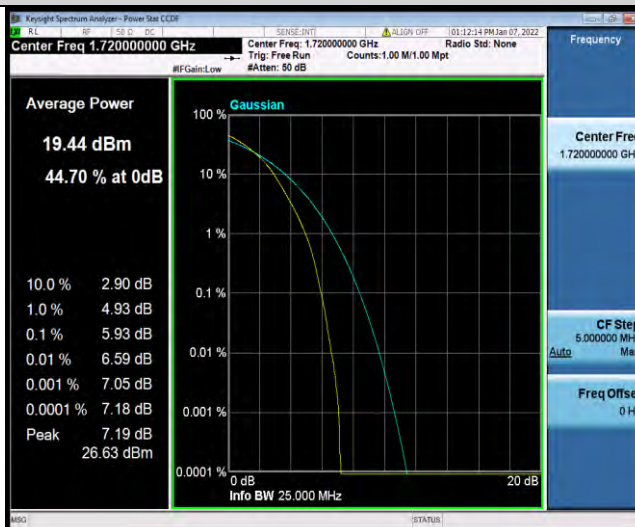
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Band4-20MHz-16QAM-20050-1RB#0



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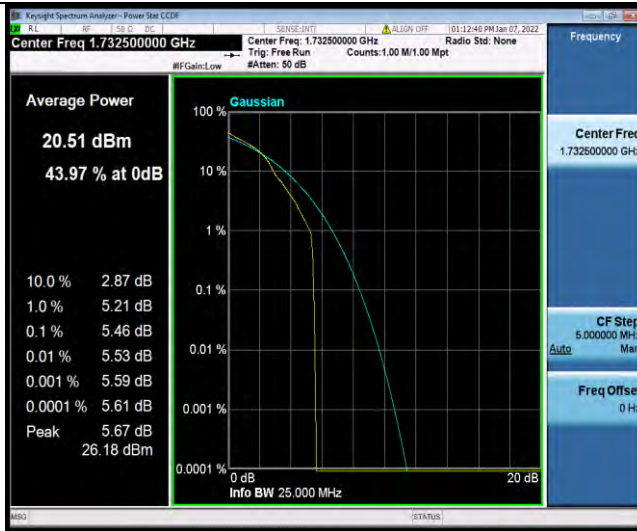


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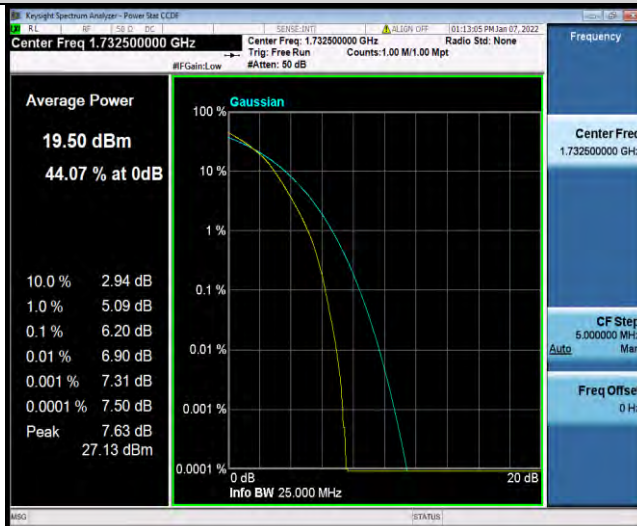


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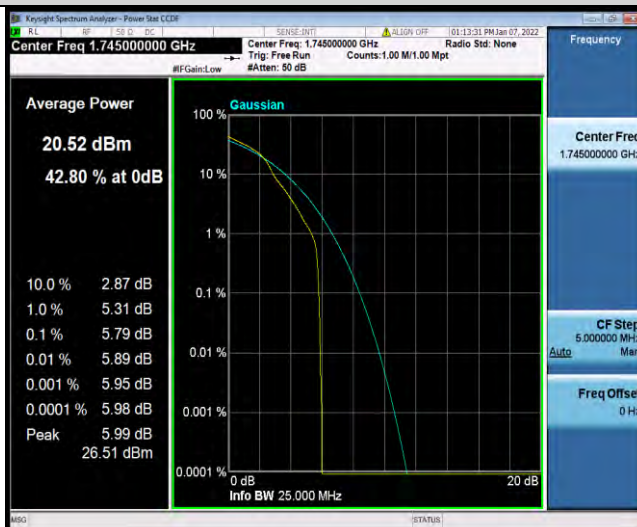
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Band4-20MHz-16QAM-20175-100RB#0



Band4-20MHz-16QAM-20300-1RB#0

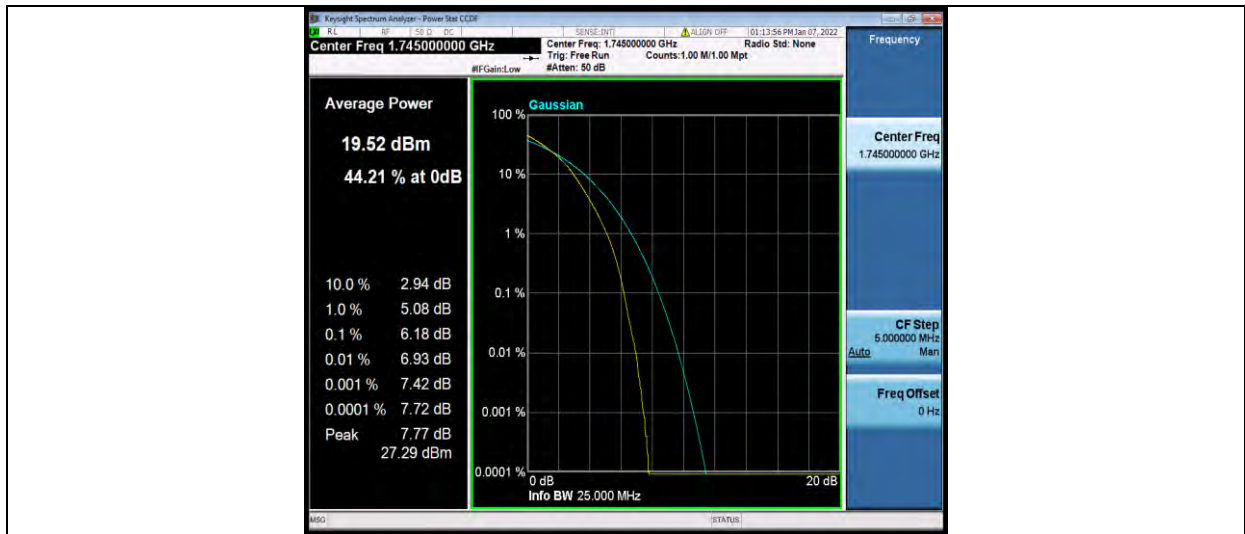


Band4-20MHz-16QAM-20300-100RB#0



BUREAU
VERITAS

Test Report No.: W7L-P22010007RF04





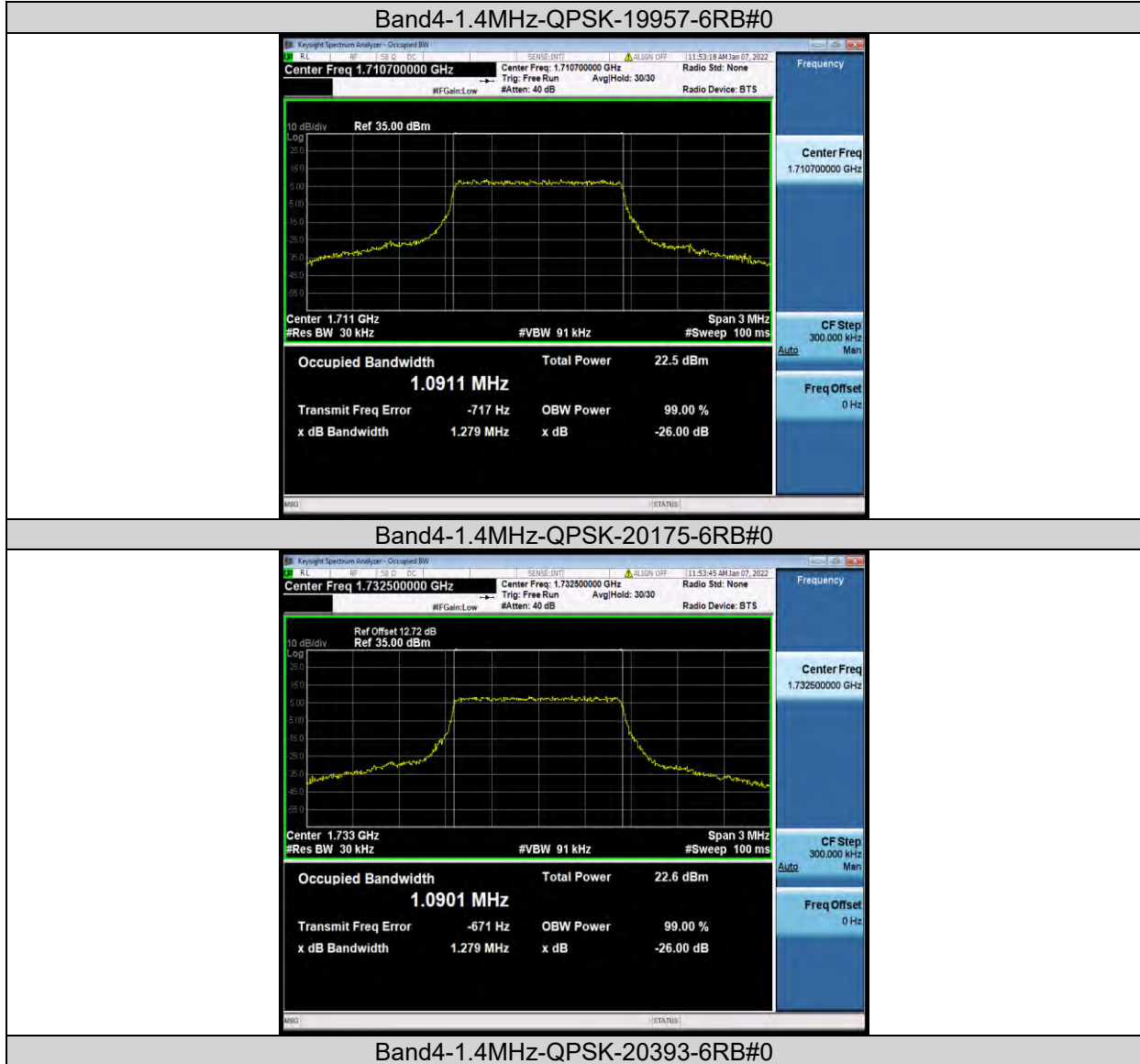
Test Report No.: W7L-P22010007RF04

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	1.0911	1.279	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0901	1.279	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0932	1.269	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0905	1.261	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0907	1.282	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0912	1.271	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6964	2.912	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6908	2.919	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6978	2.926	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6963	2.922	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6971	2.919	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6937	2.935	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5073	4.916	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5053	4.901	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.4993	4.886	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5054	4.866	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5054	4.895	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5005	4.906	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9765	9.544	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9908	9.572	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9671	9.533	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9600	9.508	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9720	9.506	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9649	9.516	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.430	14.23	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.491	14.28	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.446	14.27	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.423	14.23	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.488	14.26	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.444	14.25	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.854	18.91	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.966	18.98	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.936	18.97	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.842	18.92	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.972	18.97	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.940	18.95	PASS

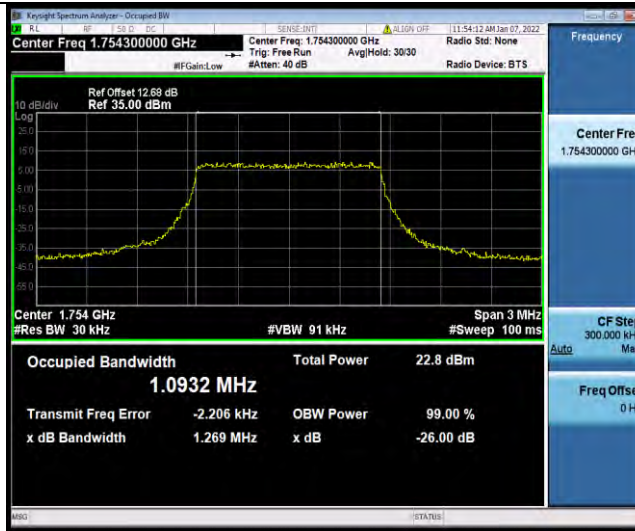
Test Graphs



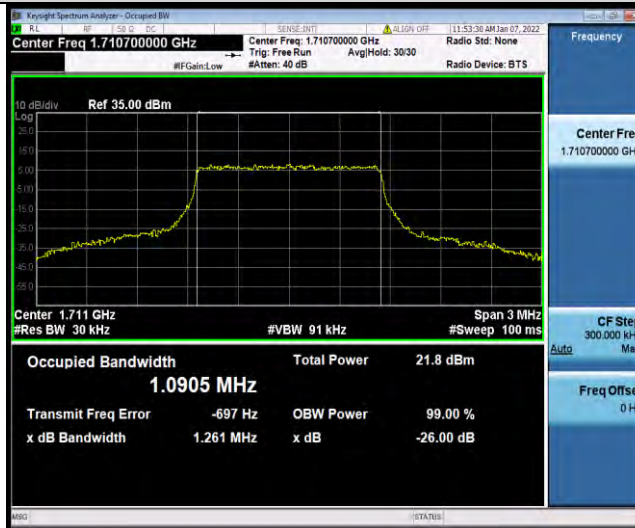


BUREAU VERITAS

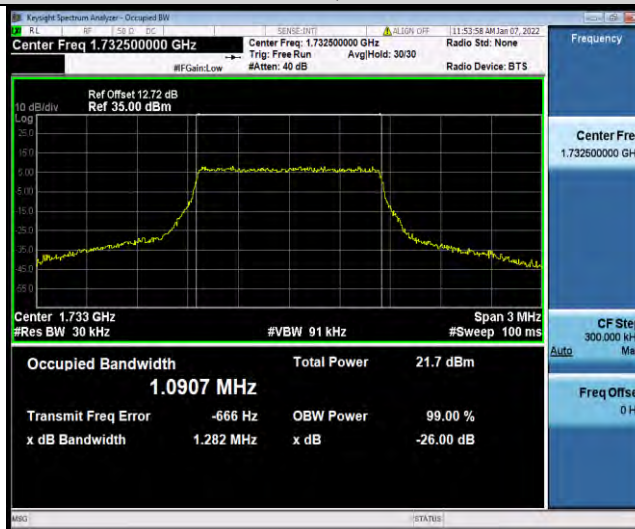
Test Report No.: W7L-P22010007RF04



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



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

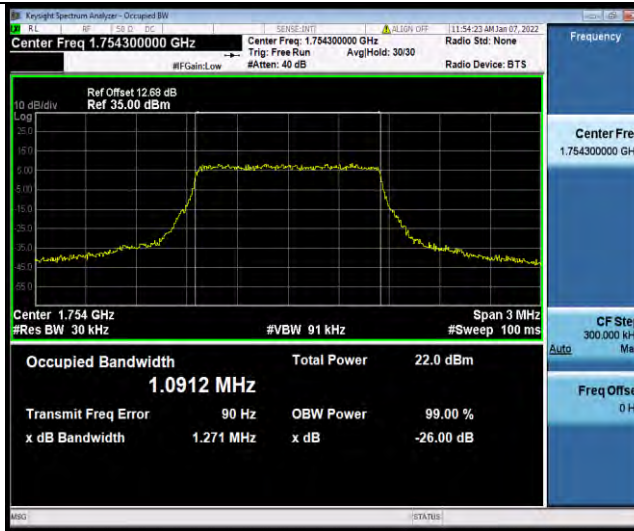


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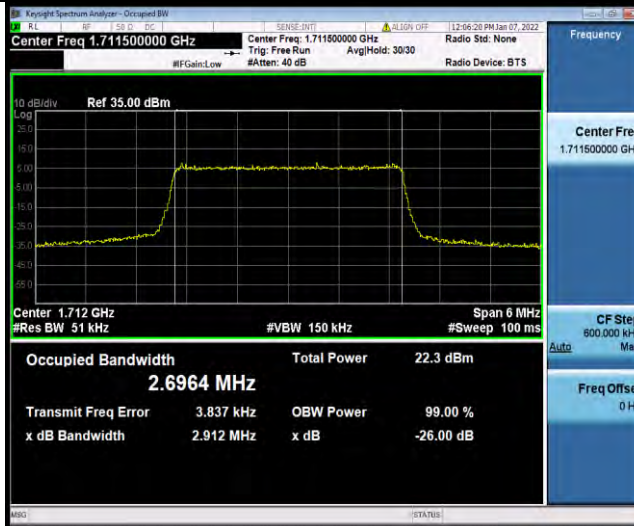


BUREAU VERITAS

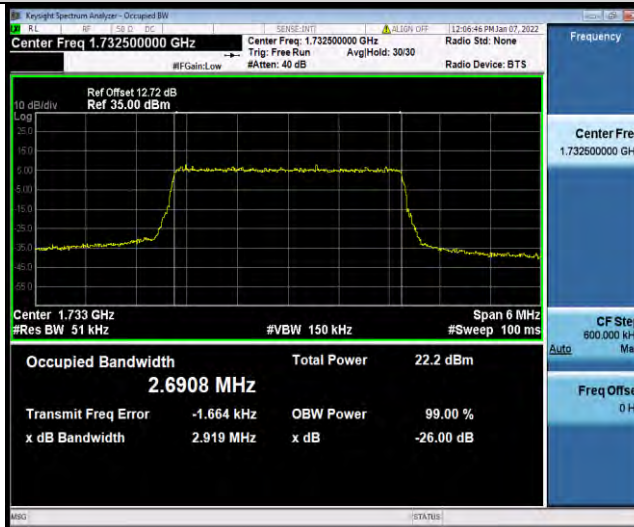
Test Report No.: W7L-P22010007RF04



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



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

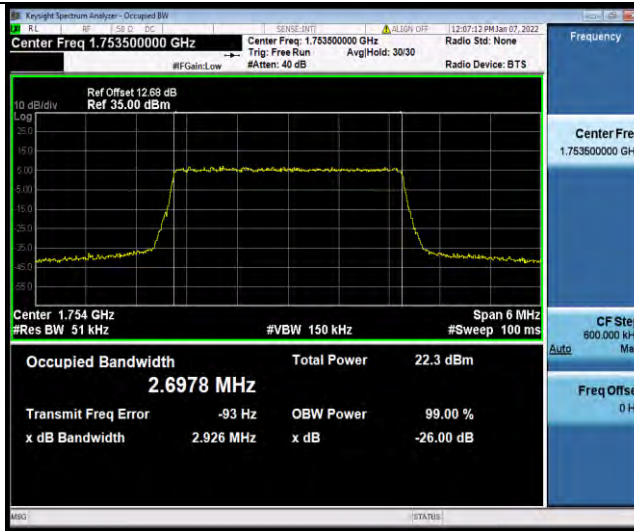


Band4-3MHz-QPSK-20385-15RB#0



BUREAU VERITAS

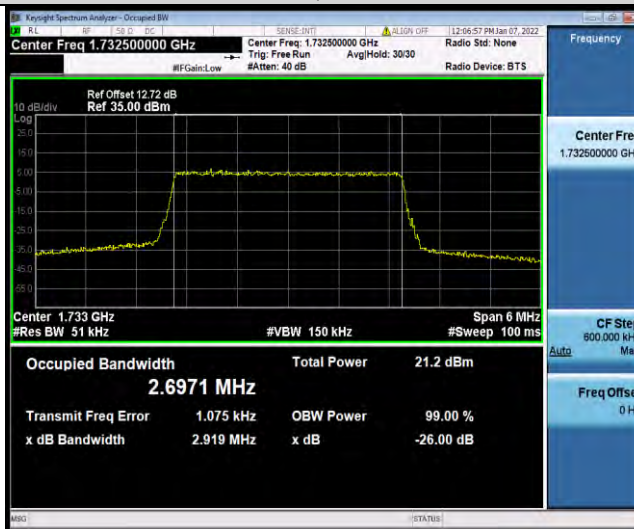
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Band4-3MHz-16QAM-19965-15RB#0



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

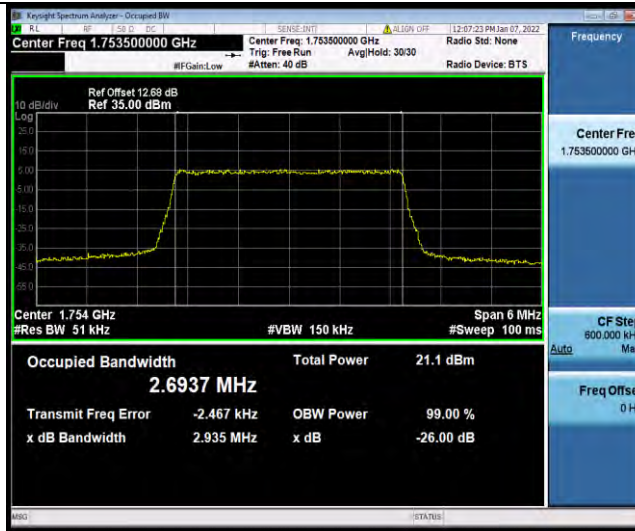


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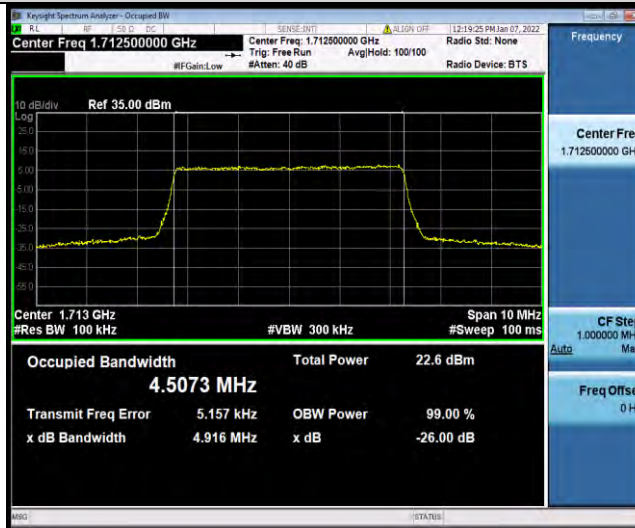


BUREAU VERITAS

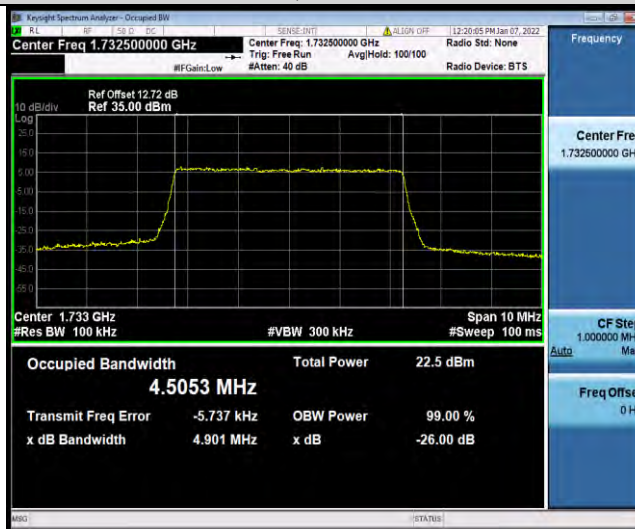
Test Report No.: W7L-P22010007RF04



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



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

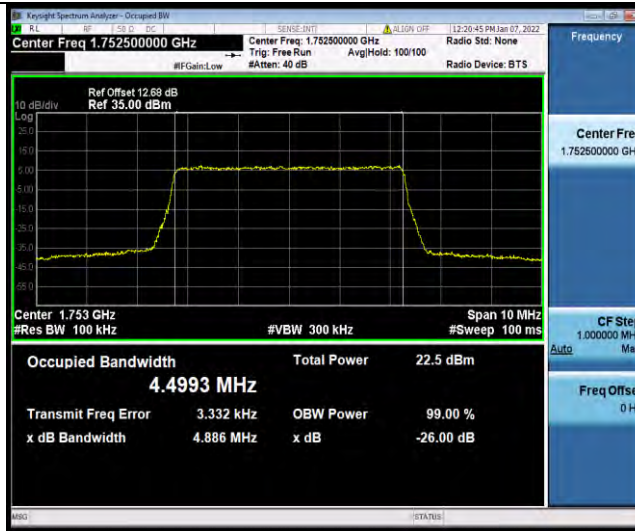


Band4-5MHz-QPSK-20375-25RB#0

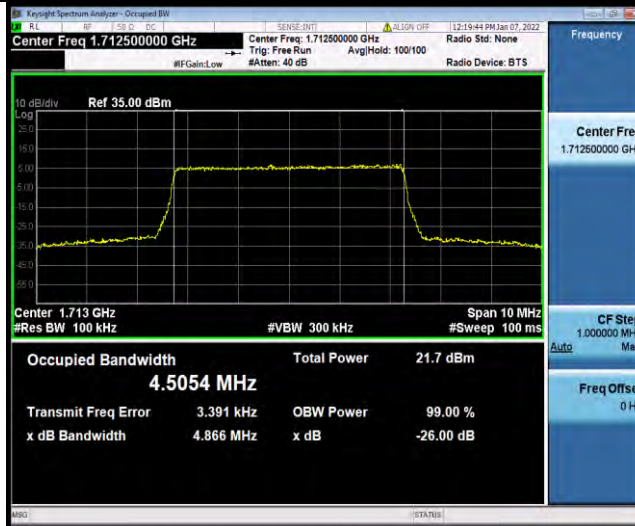


BUREAU VERITAS

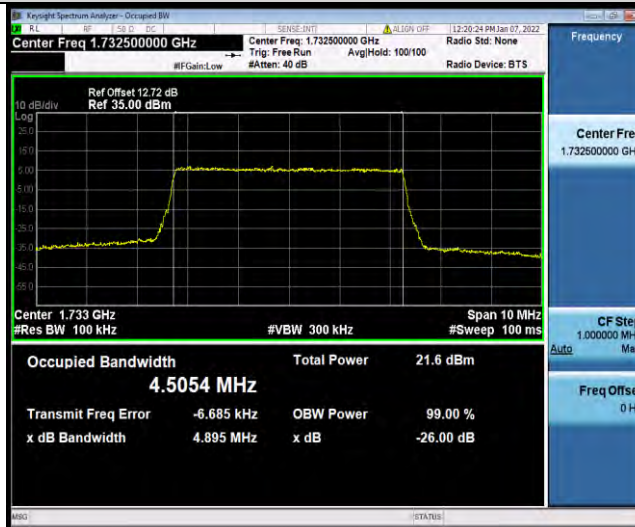
Test Report No.: W7L-P22010007RF04



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



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



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



BUREAU VERITAS

Test Report No.: W7L-P22010007RF04



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



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



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



BUREAU VERITAS

Test Report No.: W7L-P22010007RF04



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



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

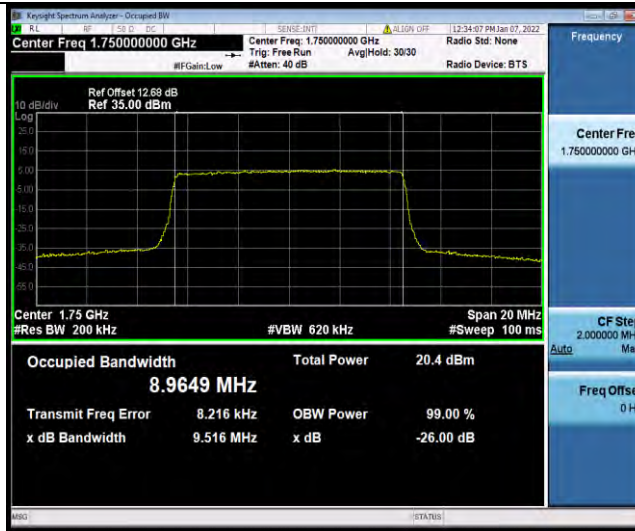


Band4-10MHz-16QAM-20350-50RB#0

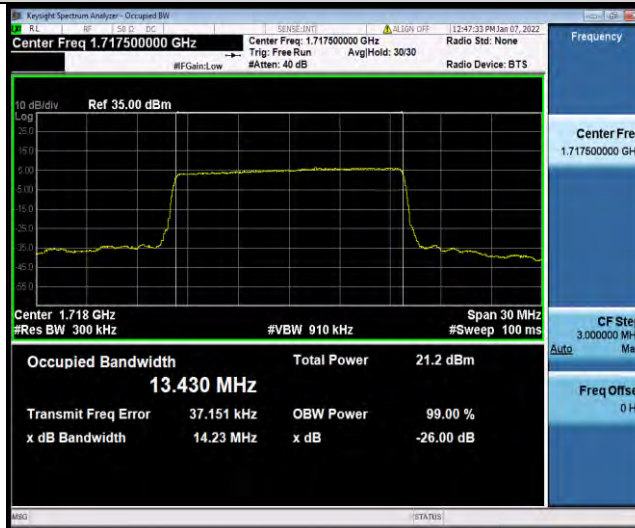


BUREAU VERITAS

Test Report No.: W7L-P22010007RF04



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



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



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



BUREAU VERITAS

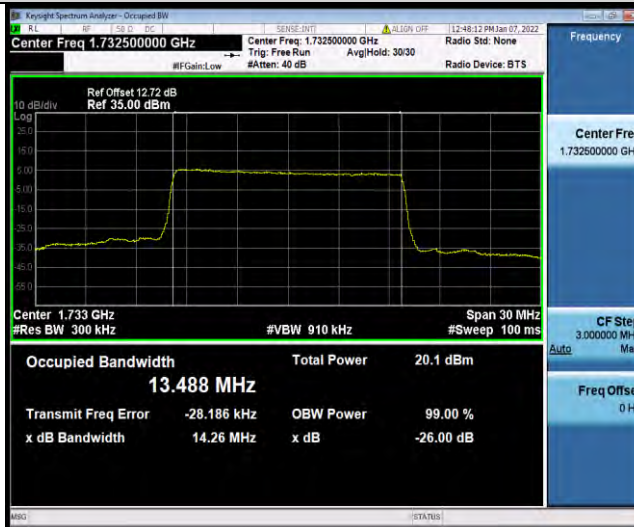
Test Report No.: W7L-P22010007RF04



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



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



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



BUREAU VERITAS

Test Report No.: W7L-P22010007RF04



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



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

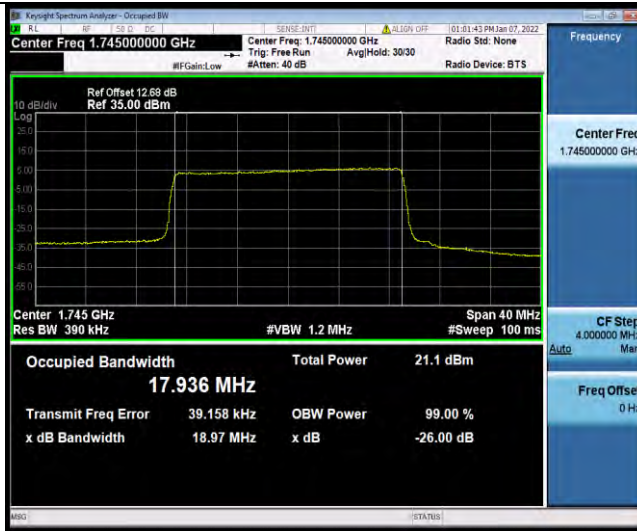


Band4-20MHz-QPSK-20300-100RB#0



BUREAU VERITAS

Test Report No.: W7L-P22010007RF04



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



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



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



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VERITAS

Test Report No.: W7L-P22010007RF04





Test Report No.: W7L-P22010007RF04

BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	-28.99	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-26.32	PASS
Band4	1.4MHz	QPSK	20350	1RB#5	-30.92	PASS
Band4	1.4MHz	QPSK	20350	6RB#0	-29.01	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-29.92	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-26.60	PASS
Band4	1.4MHz	16QAM	20350	1RB#5	-30.95	PASS
Band4	1.4MHz	16QAM	20350	6RB#0	-29.94	PASS
Band4	3MHz	QPSK	19965	1RB#0	-28.38	PASS
Band4	3MHz	QPSK	19965	15RB#0	-26.69	PASS
Band4	3MHz	QPSK	20385	1RB#14	-29.80	PASS
Band4	3MHz	QPSK	20385	15RB#0	-28.33	PASS
Band4	3MHz	16QAM	19965	1RB#0	-30.43	PASS
Band4	3MHz	16QAM	19965	15RB#0	-26.56	PASS
Band4	3MHz	16QAM	20385	1RB#14	-31.57	PASS
Band4	3MHz	16QAM	20385	15RB#0	-29.12	PASS
Band4	5MHz	QPSK	19975	1RB#0	-32.33	PASS
Band4	5MHz	QPSK	19975	25RB#0	-27.15	PASS
Band4	5MHz	QPSK	20375	1RB#24	-31.81	PASS
Band4	5MHz	QPSK	20375	25RB#0	-27.60	PASS
Band4	5MHz	16QAM	19975	1RB#0	-33.42	PASS
Band4	5MHz	16QAM	19975	25RB#0	-27.92	PASS
Band4	5MHz	16QAM	20375	1RB#24	-33.29	PASS
Band4	5MHz	16QAM	20375	25RB#0	-28.90	PASS
Band4	10MHz	QPSK	20000	1RB#0	-46.03	PASS
Band4	10MHz	QPSK	20000	50RB#0	-30.05	PASS
Band4	10MHz	QPSK	20350	1RB#49	-47.11	PASS
Band4	10MHz	QPSK	20350	50RB#0	-30.68	PASS
Band4	10MHz	16QAM	20000	1RB#0	-45.82	PASS
Band4	10MHz	16QAM	20000	50RB#0	-31.79	PASS
Band4	10MHz	16QAM	20350	1RB#49	-47.31	PASS
Band4	10MHz	16QAM	20350	50RB#0	-31.58	PASS
Band4	15MHz	QPSK	20025	1RB#0	-43.29	PASS
Band4	15MHz	QPSK	20025	75RB#0	-32.95	PASS
Band4	15MHz	QPSK	20325	1RB#74	-44.01	PASS
Band4	15MHz	QPSK	20325	75RB#0	-31.03	PASS
Band4	15MHz	16QAM	20025	1RB#0	-44.45	PASS
Band4	15MHz	16QAM	20025	75RB#0	-34.30	PASS
Band4	15MHz	16QAM	20325	1RB#74	-44.94	PASS
Band4	15MHz	16QAM	20325	75RB#0	-32.67	PASS
Band4	20MHz	QPSK	20050	1RB#0	-26.92	PASS
Band4	20MHz	QPSK	20050	100RB#0	-34.25	PASS
Band4	20MHz	QPSK	20300	1RB#99	-26.65	PASS
Band4	20MHz	QPSK	20300	100RB#0	-31.34	PASS

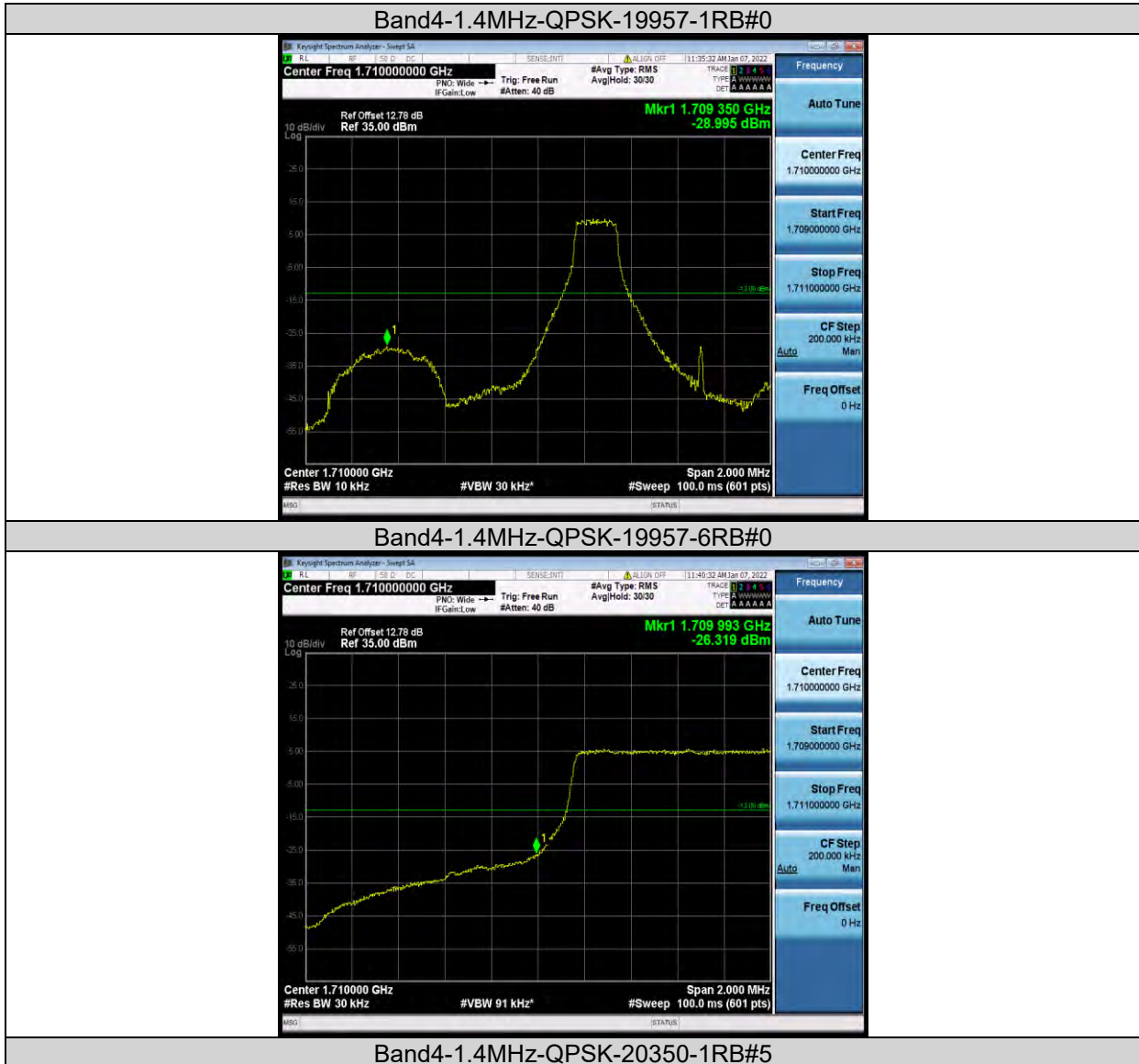


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VERITAS**

Test Report No.: W7L-P22010007RF04

Band4	20MHz	16QAM	20050	1RB#0	-27.86	PASS
Band4	20MHz	16QAM	20050	100RB#0	-35.28	PASS
Band4	20MHz	16QAM	20300	1RB#99	-27.41	PASS
Band4	20MHz	16QAM	20300	100RB#0	-32.39	PASS

Test Graphs





BUREAU VERITAS

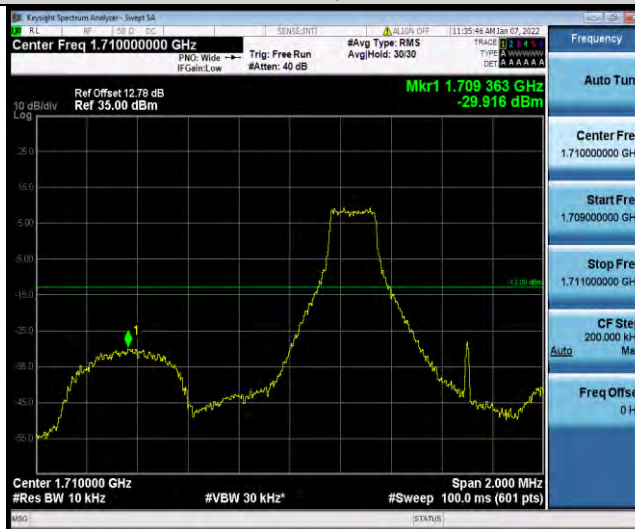
Test Report No.: W7L-P22010007RF04



Band4-1.4MHz-QPSK-20350-6RB#0



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

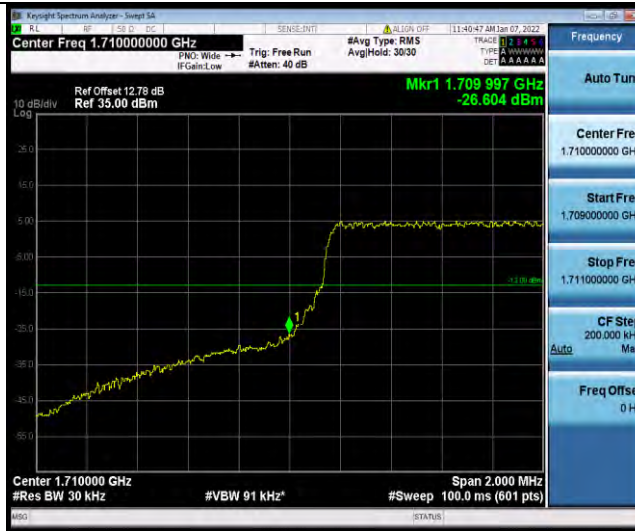


Band4-1.4MHz-16QAM-19957-6RB#0



BUREAU VERITAS

Test Report No.: W7L-P22010007RF04



Band4-1.4MHz-16QAM-20350-1RB#5



Band4-1.4MHz-16QAM-20350-6RB#0

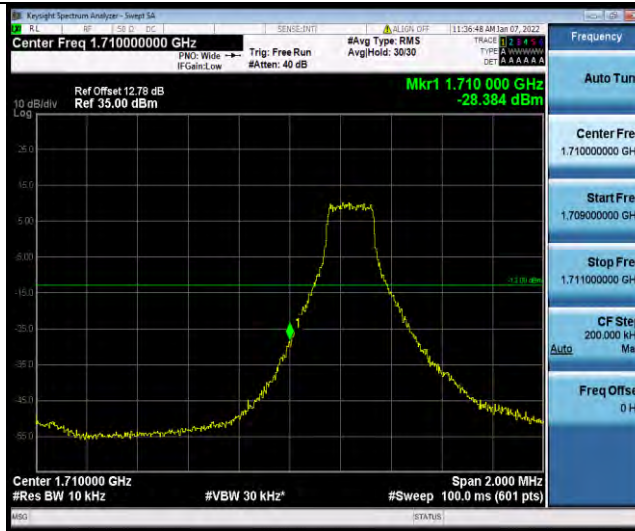


Band4-3MHz-QPSK-19965-1RB#0

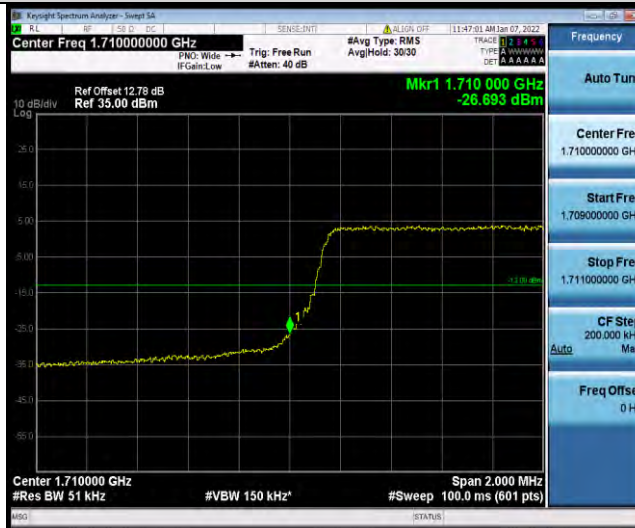


BUREAU VERITAS

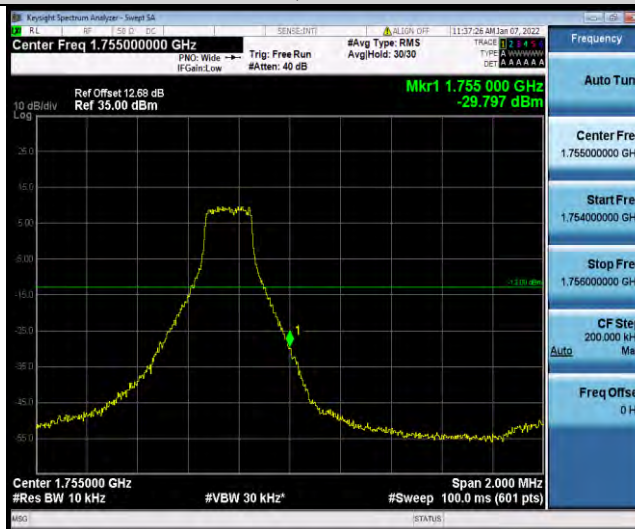
Test Report No.: W7L-P22010007RF04



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



Band4-3MHz-QPSK-20385-1RB#14



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

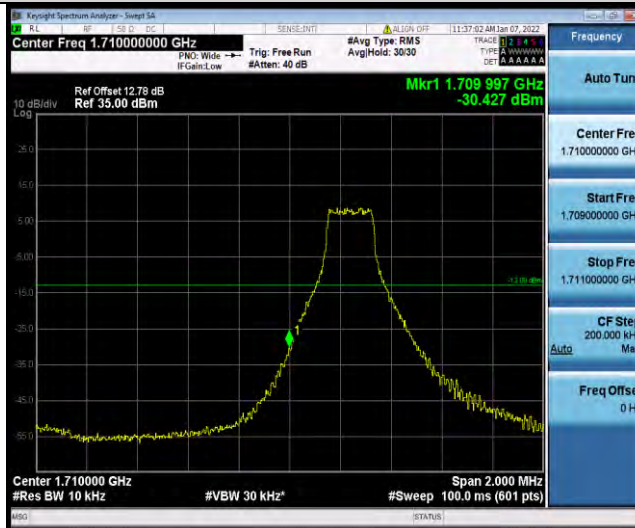


BUREAU VERITAS

Test Report No.: W7L-P22010007RF04



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



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

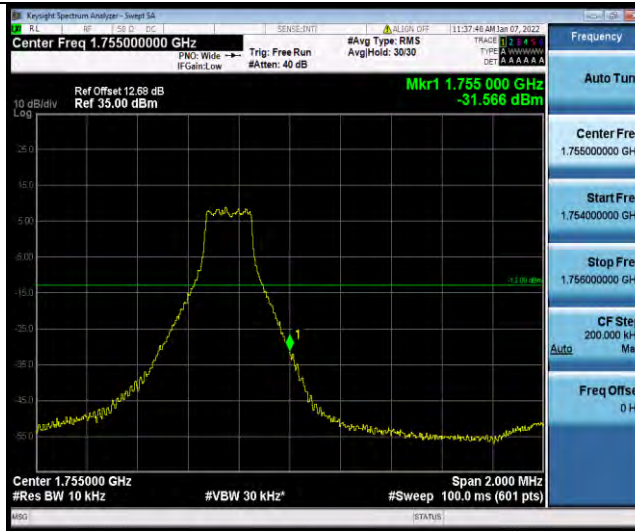


Band4-3MHz-16QAM-20385-1RB#14



BUREAU VERITAS

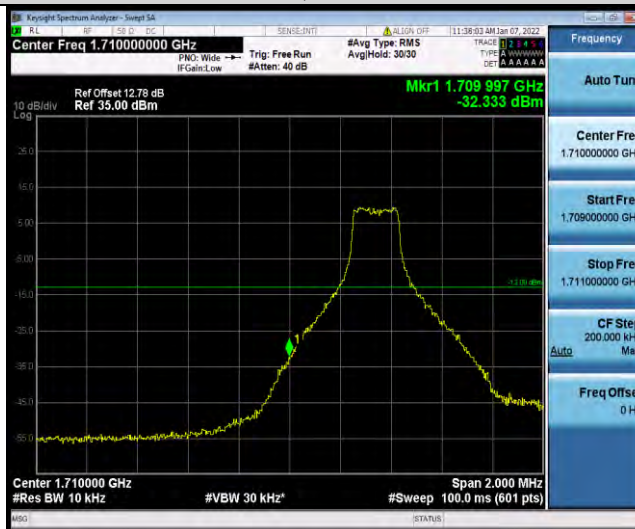
Test Report No.: W7L-P22010007RF04



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



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



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

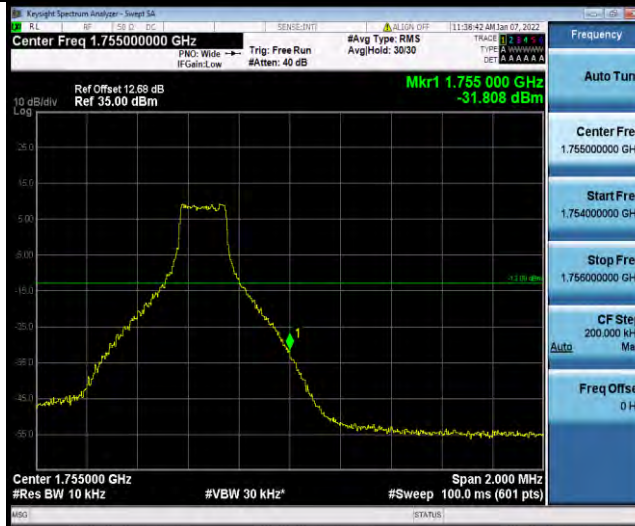


BUREAU VERITAS

Test Report No.: W7L-P22010007RF04



Band4-5MHz-QPSK-20375-1RB#24



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

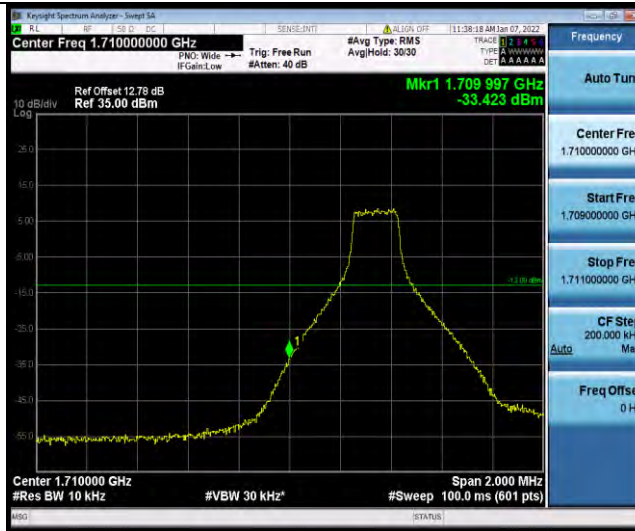


Band4-5MHz-16QAM-19975-1RB#0

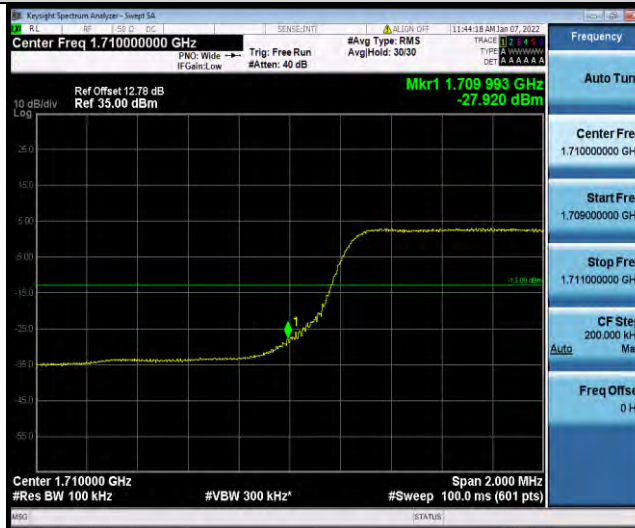


BUREAU VERITAS

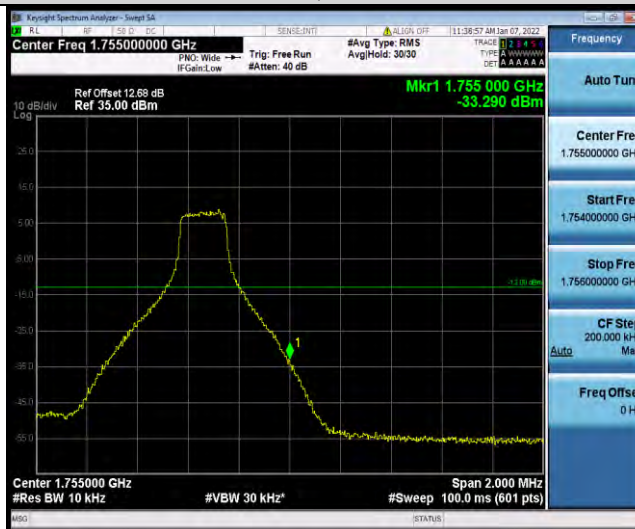
Test Report No.: W7L-P22010007RF04



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



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



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

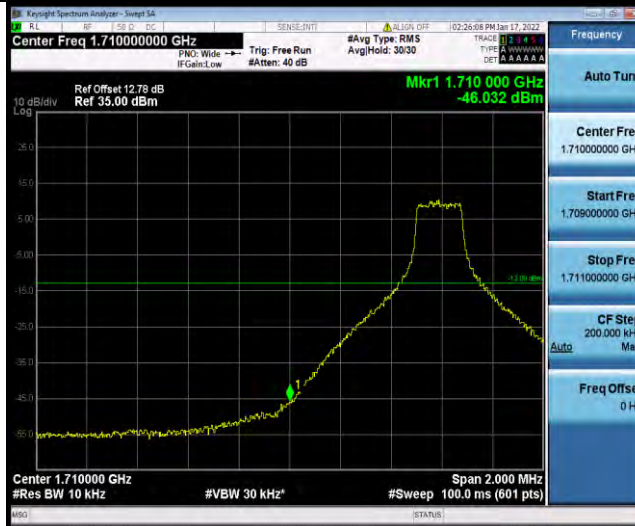


BUREAU VERITAS

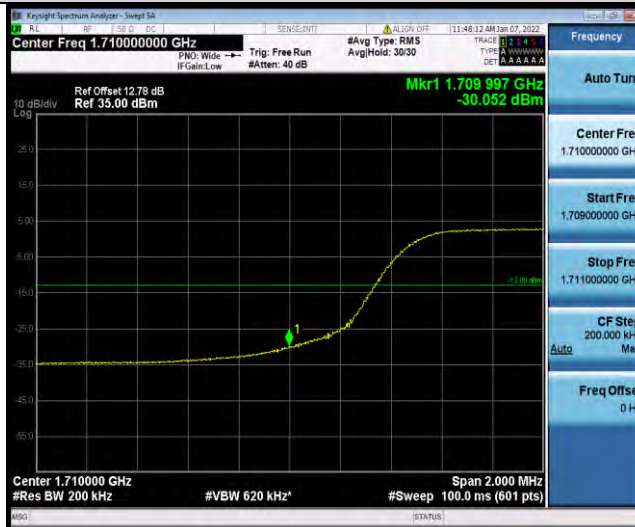
Test Report No.: W7L-P22010007RF04



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



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

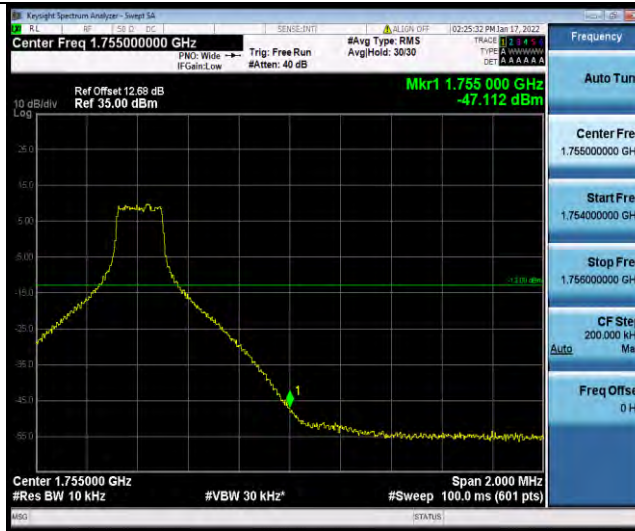


Band4-10MHz-QPSK-20350-1RB#49



BUREAU VERITAS

Test Report No.: W7L-P22010007RF04



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



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

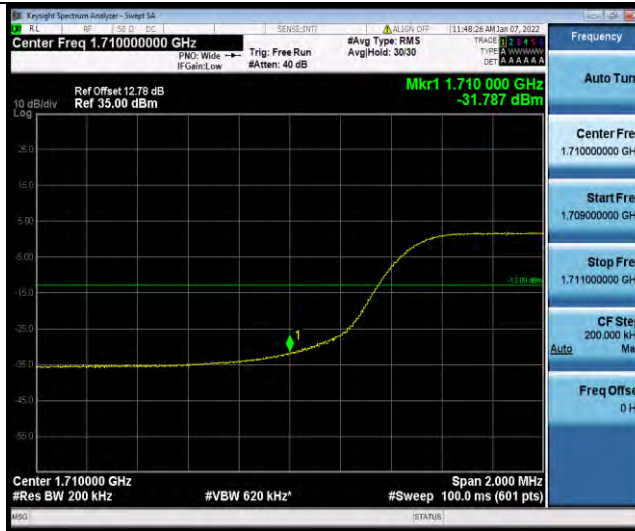


Band4-10MHz-16QAM-20000-50RB#0



BUREAU VERITAS

Test Report No.: W7L-P22010007RF04



Band4-10MHz-16QAM-20350-1RB#49



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

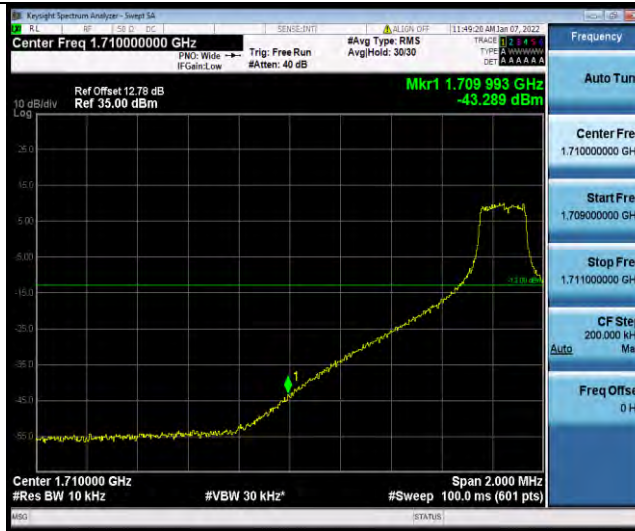


Band4-15MHz-QPSK-20025-1RB#0



BUREAU VERITAS

Test Report No.: W7L-P22010007RF04



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



Band4-15MHz-QPSK-20325-1RB#74



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



BUREAU VERITAS

Test Report No.: W7L-P22010007RF04



Band4-15MHz-16QAM-20025-1RB#0



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



Band4-15MHz-16QAM-20325-1RB#74



BUREAU VERITAS

Test Report No.: W7L-P22010007RF04



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



Band4-20MHz-QPSK-20050-1RB#0

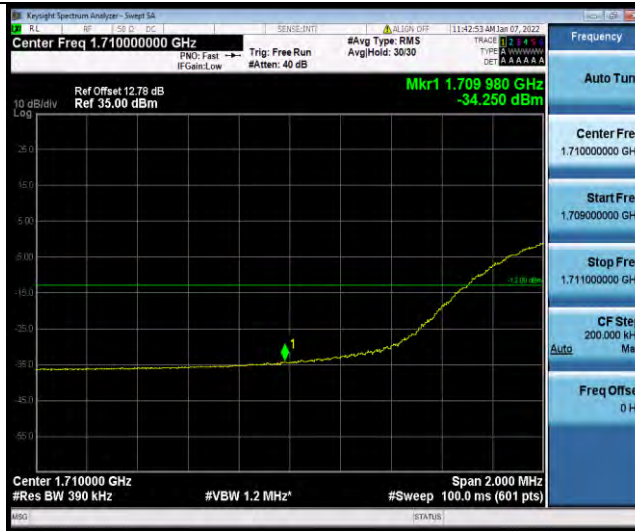


Band4-20MHz-QPSK-20050-100RB#0



BUREAU VERITAS

Test Report No.: W7L-P22010007RF04



Band4-20MHz-QPSK-20300-1RB#99



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



Band4-20MHz-16QAM-20050-1RB#0