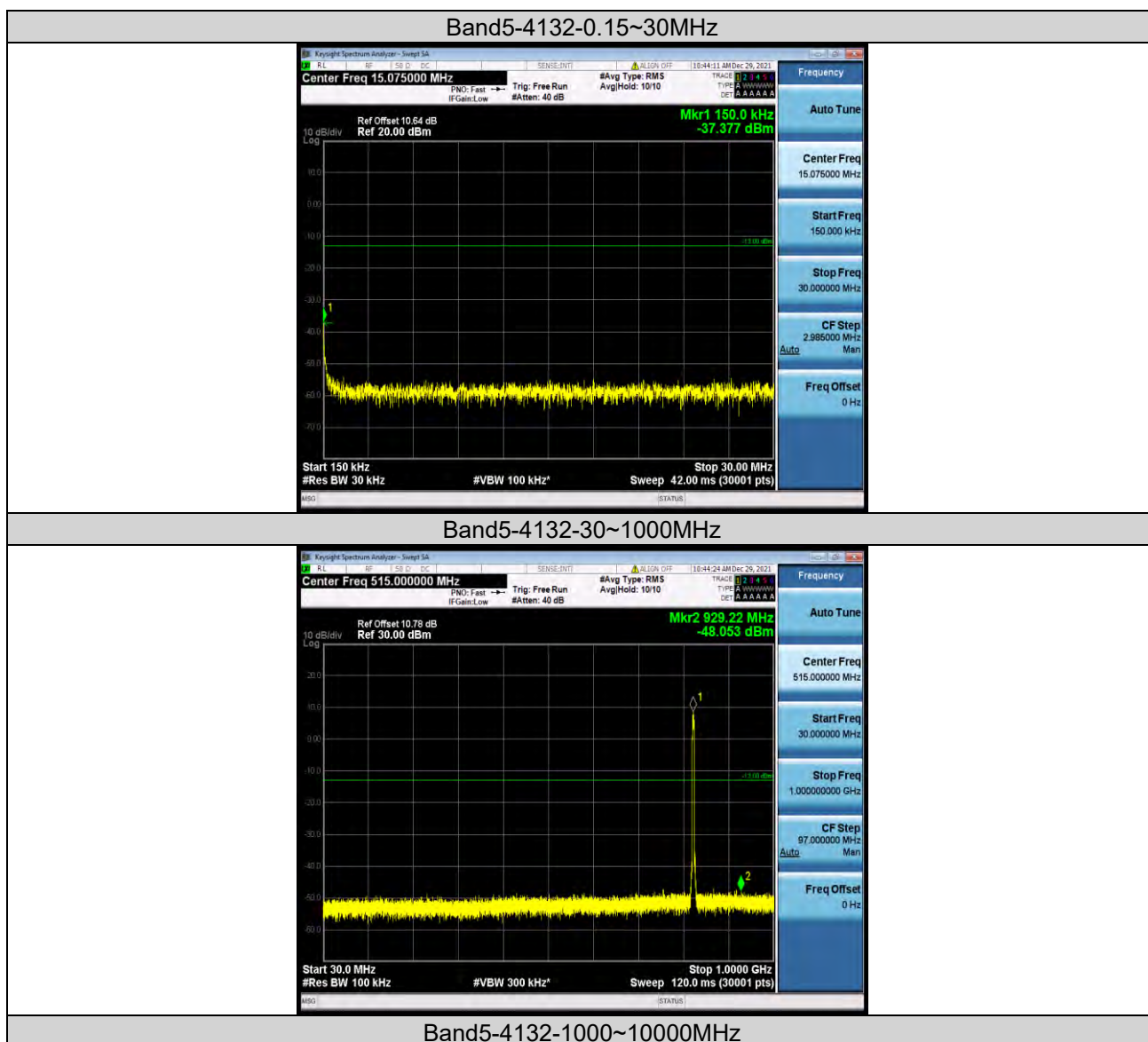


CONDUCTED SPURIOUS EMISSION

Test Result

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band5	4132	0.15~30MHz	0.15	-37.38	-13	PASS
Band5	4132	30~1000MHz	929.22	-48.05	-13	PASS
Band5	4132	1000~10000MHz	3815.8	-34.72	-13	PASS
Band5	4182	0.15~30MHz	0.16	-38.75	-13	PASS
Band5	4182	30~1000MHz	954.86	-47.85	-13	PASS
Band5	4182	1000~10000MHz	3770.2	-34.7	-13	PASS
Band5	4233	0.15~30MHz	0.15	-38.73	-13	PASS
Band5	4233	30~1000MHz	995.7	-47.95	-13	PASS
Band5	4233	1000~10000MHz	3797.5	-34.62	-13	PASS

Test Graphs



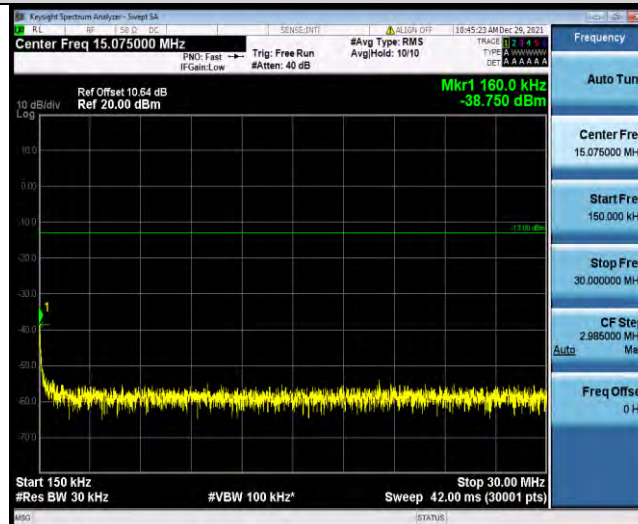


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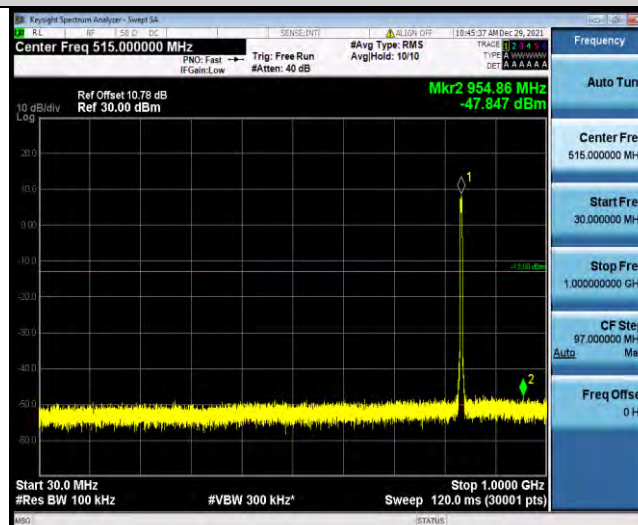
Test Report No.: W7L-P22030026-5RF03



Band5-4182-0.15~30MHz



Band5-4182-30~1000MHz



Band5-4182-1000~10000MHz

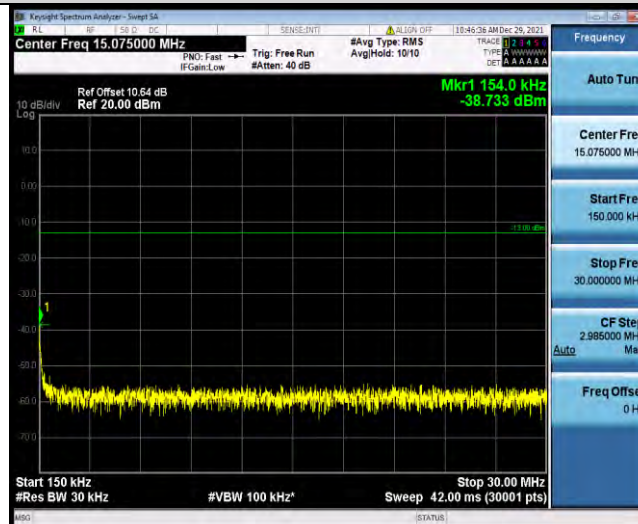


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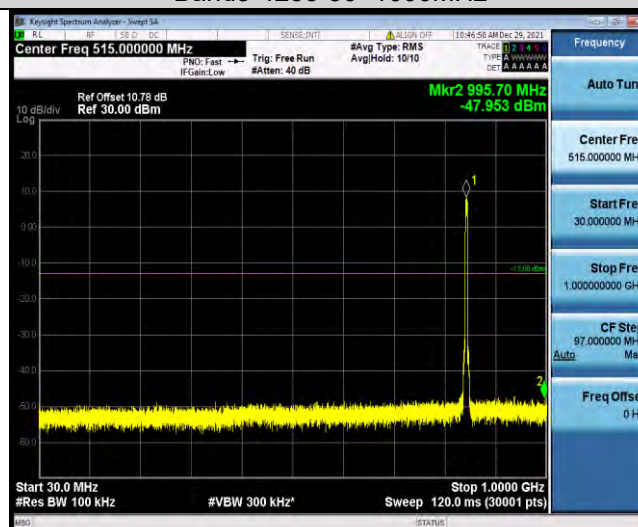
Test Report No.: W7L-P22030026-5RF03



Band5-4233-0.15~30MHz



Band5-4233-30~1000MHz

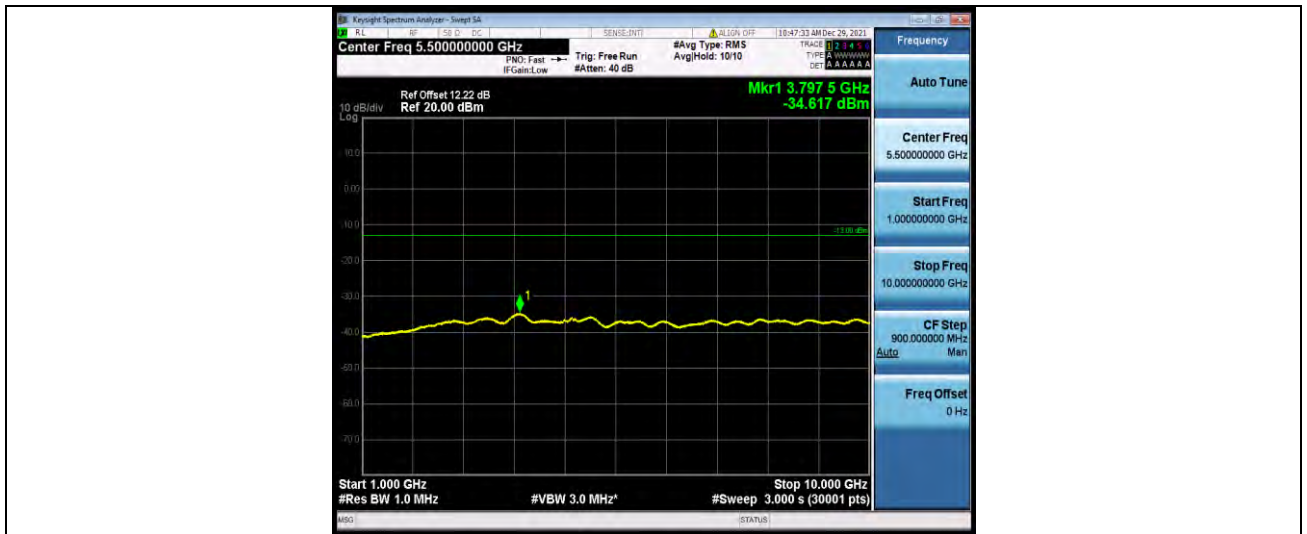


Band5-4233-1000~10000MHz



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Test Report No.: W7L-P22030026-5RF03



FREQUENCY STABILITY

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	VL	NT	0.15	0.000182	±2.5	PASS
Band5	4132	VN	NT	-0.58	-0.000702	±2.5	PASS
Band5	4132	VH	NT	0.12	0.000145	±2.5	PASS
Band5	4182	VL	NT	-0.54	-0.000646	±2.5	PASS
Band5	4182	VN	NT	0.24	0.000287	±2.5	PASS
Band5	4182	VH	NT	-0.59	-0.000705	±2.5	PASS
Band5	4233	VL	NT	-0.65	-0.000768	±2.5	PASS
Band5	4233	VN	NT	-0.69	-0.000815	±2.5	PASS
Band5	4233	VH	NT	-0.18	-0.000213	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	4132	NV	-30	-0.43	-0.000520	±2.5	PASS
Band5	4132	NV	-20	0.38	0.000460	±2.5	PASS
Band5	4132	NV	0	1.99	0.002408	±2.5	PASS
Band5	4132	NV	10	1.59	0.001924	±2.5	PASS
Band5	4132	NV	20	0.17	0.000206	±2.5	PASS
Band5	4132	NV	30	-10.18	-0.0060	±2.5	PASS
Band5	4132	NV	40	-9.32	-0.0054	±2.5	PASS
Band5	4132	NV	50	-8.14	-0.0048	±2.5	PASS
Band5	4182	NV	-30	-0.23	-0.000275	±2.5	PASS
Band5	4182	NV	-20	0.36	0.000430	±2.5	PASS
Band5	4182	NV	0	-0.82	-0.000980	±2.5	PASS
Band5	4182	NV	10	0.18	0.000215	±2.5	PASS
Band5	4182	NV	20	0.74	0.000885	±2.5	PASS
Band5	4182	NV	30	-6.62	-0.0039	±2.5	PASS
Band5	4182	NV	40	-5.92	-0.0035	±2.5	PASS
Band5	4182	NV	50	-4.51	-0.0026	±2.5	PASS
Band5	4233	NV	-30	-1.50	-0.001772	±2.5	PASS
Band5	4233	NV	-20	-0.31	-0.000366	±2.5	PASS
Band5	4233	NV	0	1.60	0.001890	±2.5	PASS
Band5	4233	NV	10	0.89	0.001051	±2.5	PASS
Band5	4233	NV	20	0.97	0.001146	±2.5	PASS
Band5	4233	NV	30	-2.74	-0.0016	±2.5	PASS
Band5	4233	NV	40	-1.56	-0.0009	±2.5	PASS
Band5	4233	NV	50	-0.39	-0.0002	±2.5	PASS

LTE BAND5

PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	4.23	13	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	5.13	13	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	4.54	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.06	13	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	4.03	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	4.78	13	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	5.30	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.67	13	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	5.43	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	5.76	13	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	4.79	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	5.36	13	PASS
Band5	3MHz	QPSK	20415	1RB#0	4.51	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	4.98	13	PASS
Band5	3MHz	QPSK	20525	1RB#0	4.72	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.08	13	PASS
Band5	3MHz	QPSK	20635	1RB#0	3.37	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	4.66	13	PASS
Band5	3MHz	16QAM	20415	1RB#0	5.14	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.77	13	PASS
Band5	3MHz	16QAM	20525	1RB#0	5.79	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	5.89	13	PASS
Band5	3MHz	16QAM	20635	1RB#0	4.64	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	5.53	13	PASS
Band5	5MHz	QPSK	20425	1RB#0	4.42	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.09	13	PASS
Band5	5MHz	QPSK	20525	1RB#0	5.02	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.04	13	PASS
Band5	5MHz	QPSK	20625	1RB#0	3.52	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.48	13	PASS
Band5	5MHz	16QAM	20425	1RB#0	5.19	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	5.80	13	PASS
Band5	5MHz	16QAM	20525	1RB#0	5.84	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	5.77	13	PASS
Band5	5MHz	16QAM	20625	1RB#0	4.21	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	5.28	13	PASS
Band5	10MHz	QPSK	20450	1RB#0	4.49	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.24	13	PASS
Band5	10MHz	QPSK	20525	1RB#0	4.84	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.00	13	PASS
Band5	10MHz	QPSK	20600	1RB#0	3.84	13	PASS



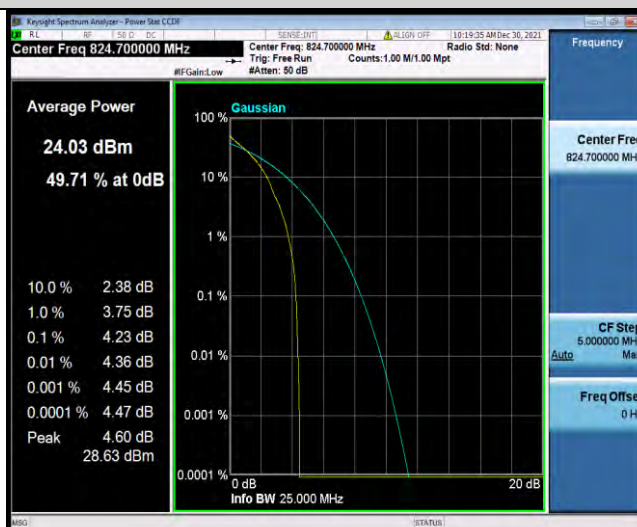
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Test Report No.: W7L-P22030026-5RF03

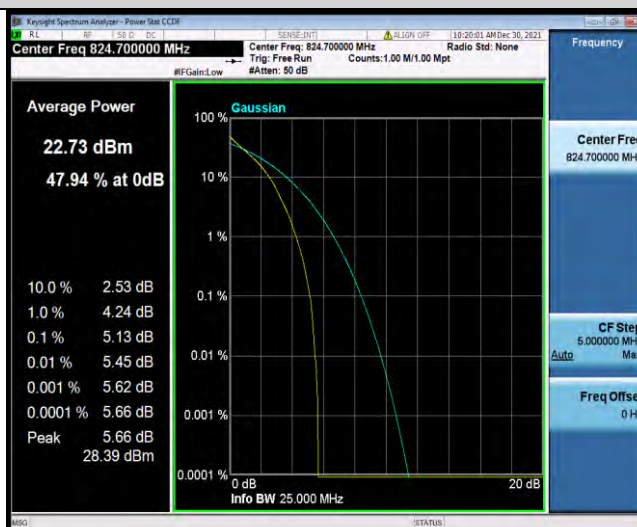
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Band5	10MHz	16QAM	20450	1RB#0	5.09	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.03	13	PASS
Band5	10MHz	16QAM	20525	1RB#0	5.77	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.79	13	PASS
Band5	10MHz	16QAM	20600	1RB#0	4.66	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.14	13	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	6.07	13	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	6.22	13	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	5.74	13	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	6.24	13	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	5.56	13	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	6.23	13	PASS
Band5	3MHz	64QAM	20415	1RB#0	6.12	13	PASS
Band5	3MHz	64QAM	20415	15RB#0	6.33	13	PASS
Band5	3MHz	64QAM	20525	1RB#0	5.79	13	PASS
Band5	3MHz	64QAM	20525	15RB#0	6.32	13	PASS
Band5	3MHz	64QAM	20635	1RB#0	5.49	13	PASS
Band5	3MHz	64QAM	20635	15RB#0	6.27	13	PASS
Band5	5MHz	64QAM	20425	1RB#0	6.03	13	PASS
Band5	5MHz	64QAM	20425	25RB#0	6.14	13	PASS
Band5	5MHz	64QAM	20525	1RB#0	5.53	13	PASS
Band5	5MHz	64QAM	20525	25RB#0	6.31	13	PASS
Band5	5MHz	64QAM	20625	1RB#0	5.76	13	PASS
Band5	5MHz	64QAM	20625	25RB#0	6.31	13	PASS
Band5	10MHz	64QAM	20450	1RB#0	5.94	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.16	13	PASS
Band5	10MHz	64QAM	20525	1RB#0	5.55	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	6.29	13	PASS
Band5	10MHz	64QAM	20600	1RB#0	5.38	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.24	13	PASS

Test Graphs

Band5-1.4MHz-QPSK-20407-1RB#0



Band5-1.4MHz-QPSK-20407-6RB#0



Band5-1.4MHz-QPSK-20525-1RB#0

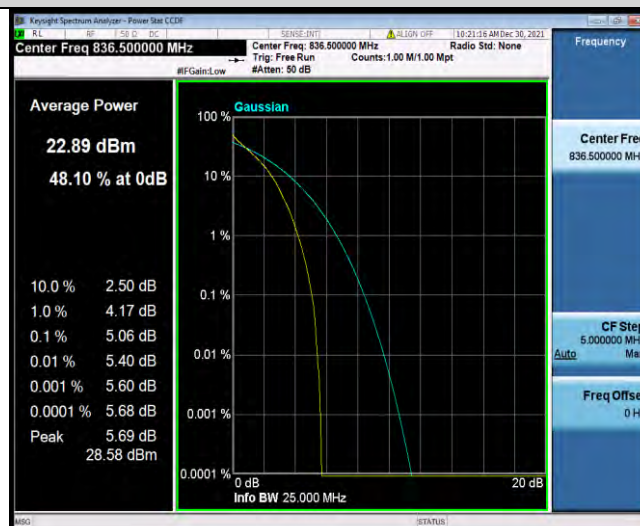


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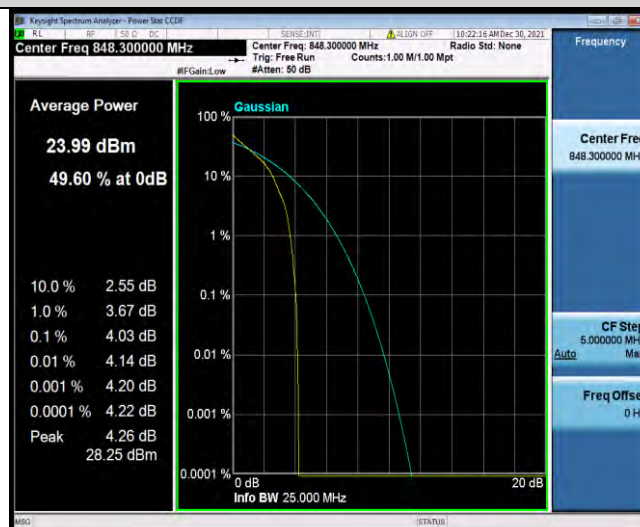
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Band5-1.4MHz-QPSK-20525-6RB#0



Band5-1.4MHz-QPSK-20643-1RB#0



Band5-1.4MHz-QPSK-20643-6RB#0

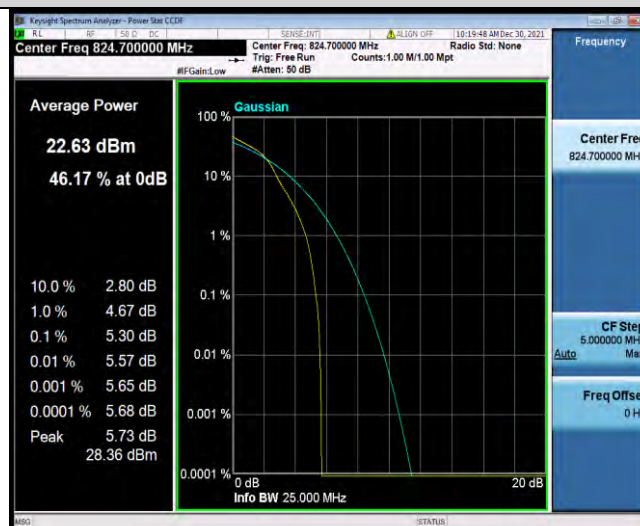


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VERITAS

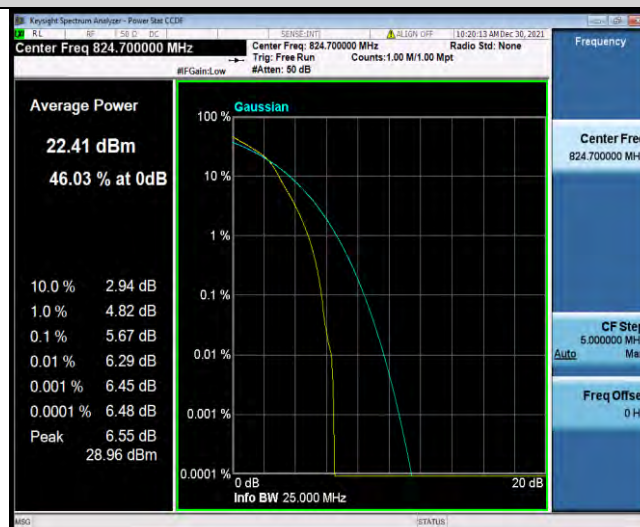
Test Report No.: W7L-P22030026-5RF03



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Band5-1.4MHz-16QAM-20407-6RB#0

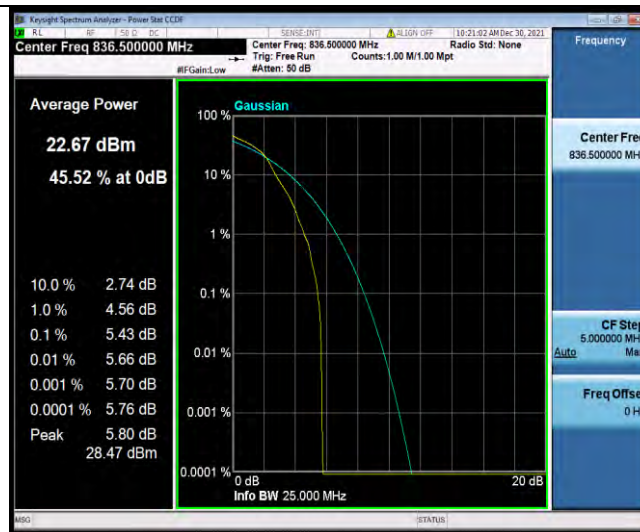


Band5-1.4MHz-16QAM-20525-1RB#0



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VERITAS

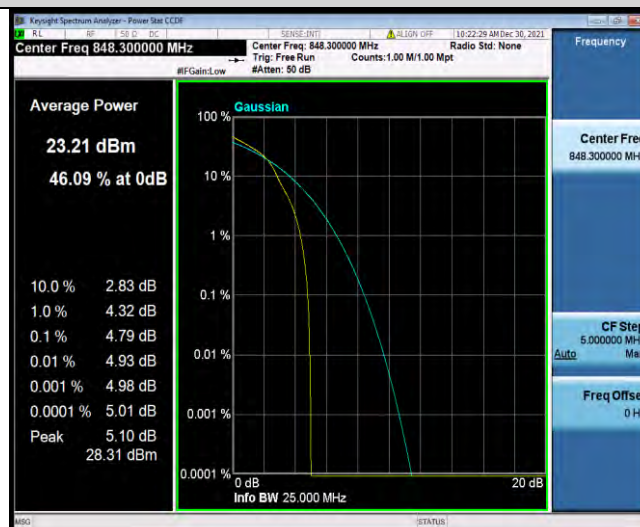
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Band5-1.4MHz-16QAM-20643-6RB#0

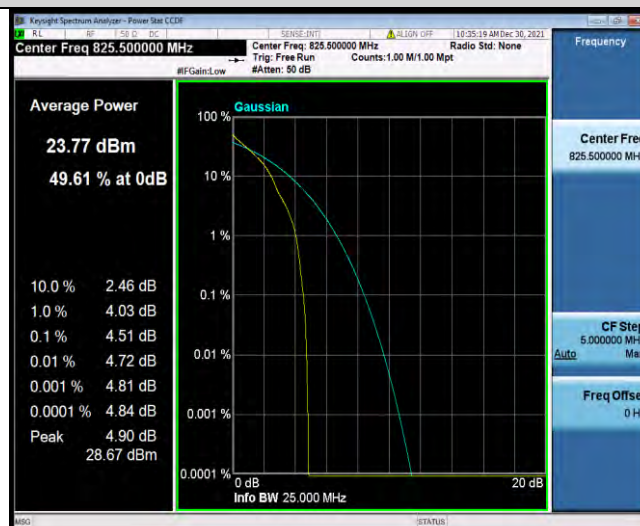


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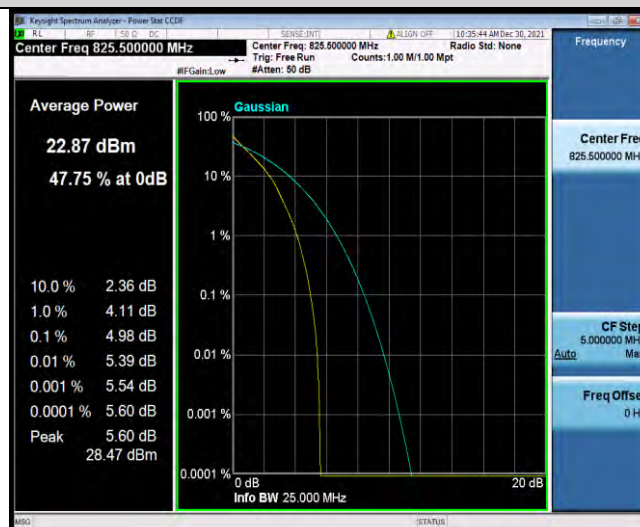
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Band5-3MHz-QPSK-20415-15RB#0



Band5-3MHz-QPSK-20525-1RB#0

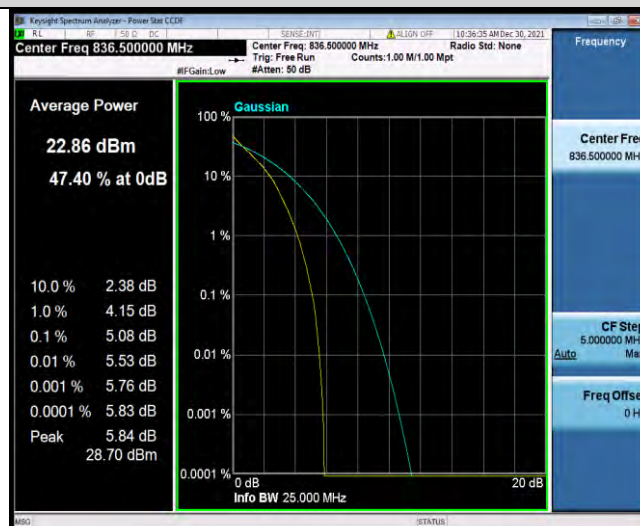


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VERITAS

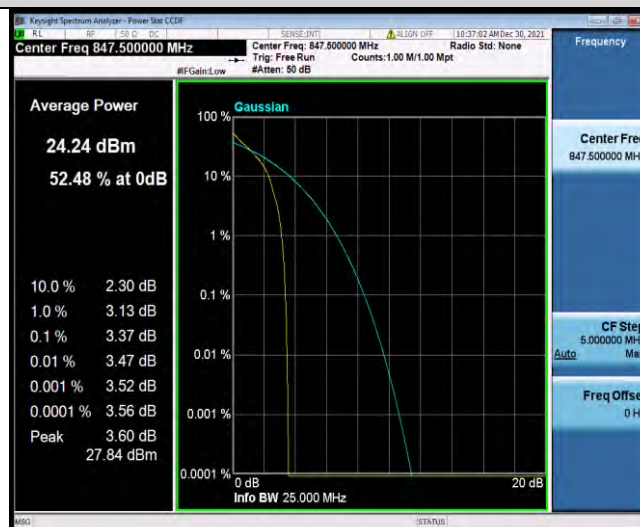
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Band5-3MHz-QPSK-20525-15RB#0



Band5-3MHz-QPSK-20635-1RB#0



Band5-3MHz-QPSK-20635-15RB#0



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VERITAS

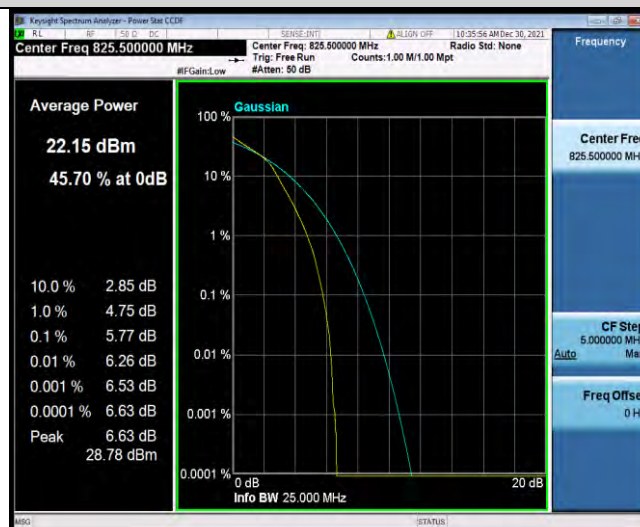
Test Report No.: W7L-P22030026-5RF03



Band5-3MHz-16QAM-20415-1RB#0



Band5-3MHz-16QAM-20415-15RB#0



Band5-3MHz-16QAM-20525-1RB#0



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VERITAS

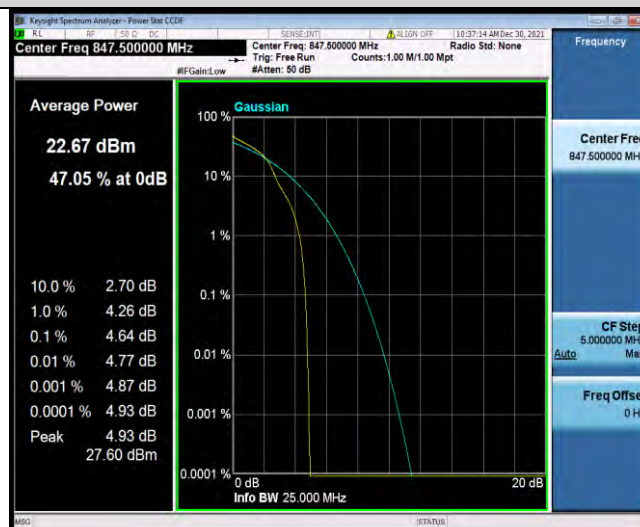
Test Report No.: W7L-P22030026-5RF03



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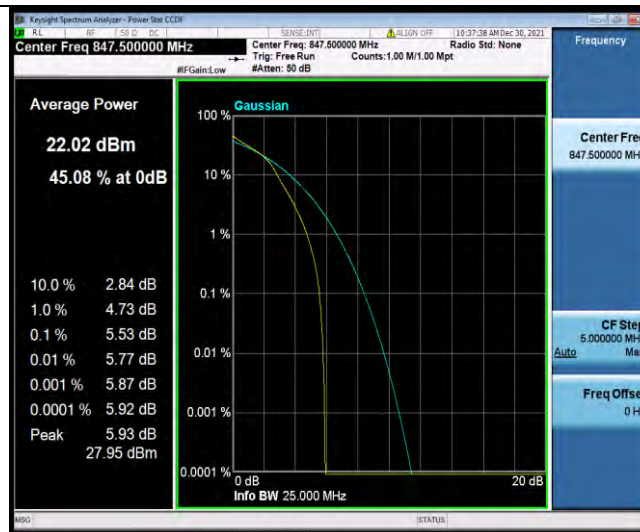


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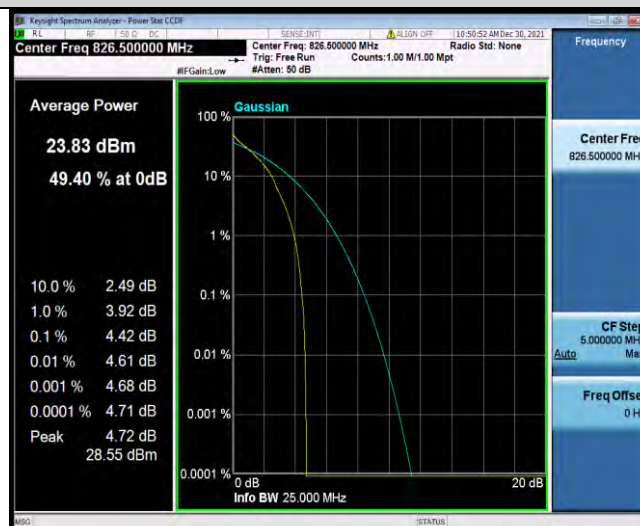


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VERITAS

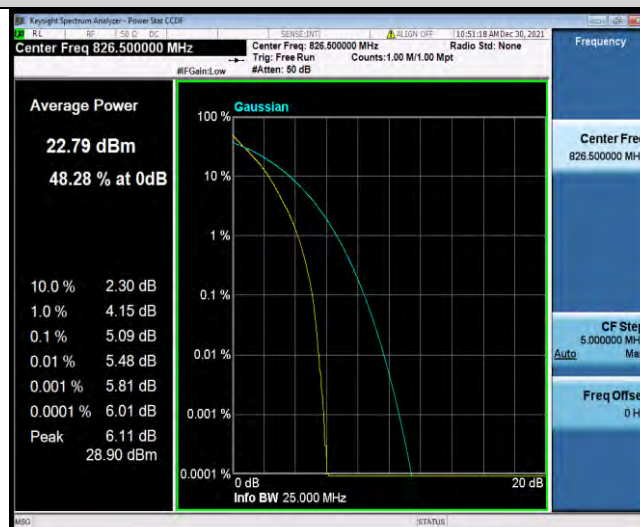
Test Report No.: W7L-P22030026-5RF03



Band5-5MHz-QPSK-20425-1RB#0



Band5-5MHz-QPSK-20425-25RB#0

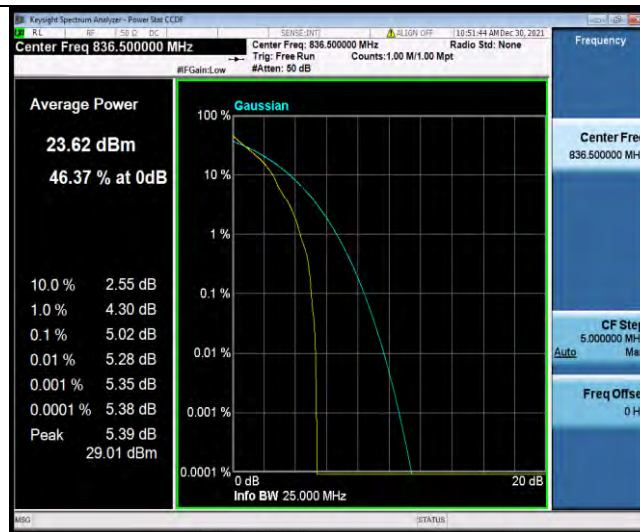


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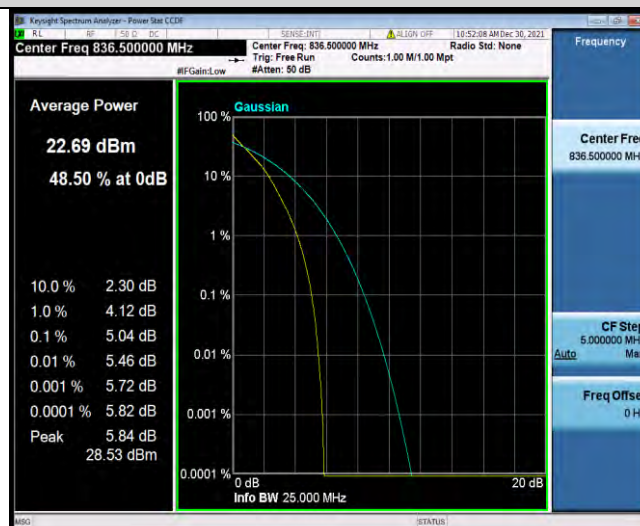


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VERITAS

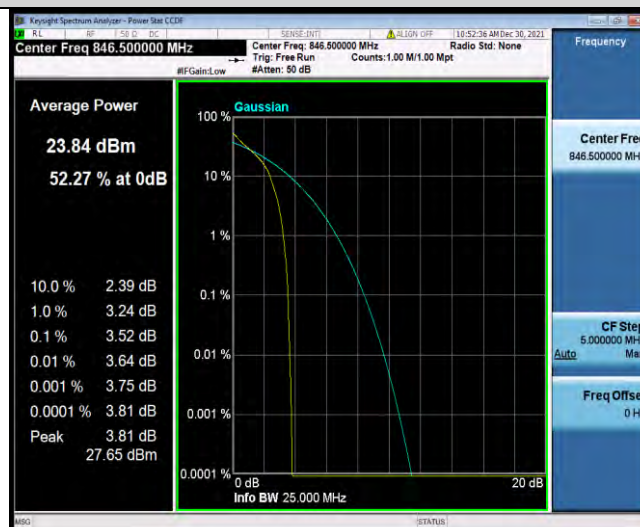
Test Report No.: W7L-P22030026-5RF03



Band5-5MHz-QPSK-20525-25RB#0



Band5-5MHz-QPSK-20625-1RB#0



Band5-5MHz-QPSK-20625-25RB#0

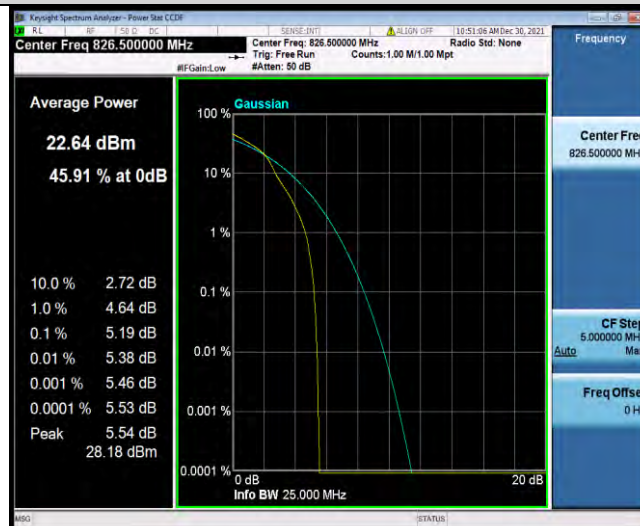


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VERITAS

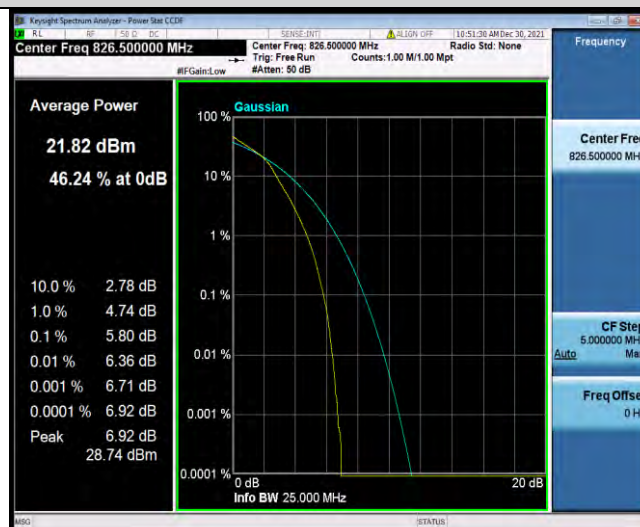
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Band5-5MHz-16QAM-20425-1RB#0



Band5-5MHz-16QAM-20425-25RB#0

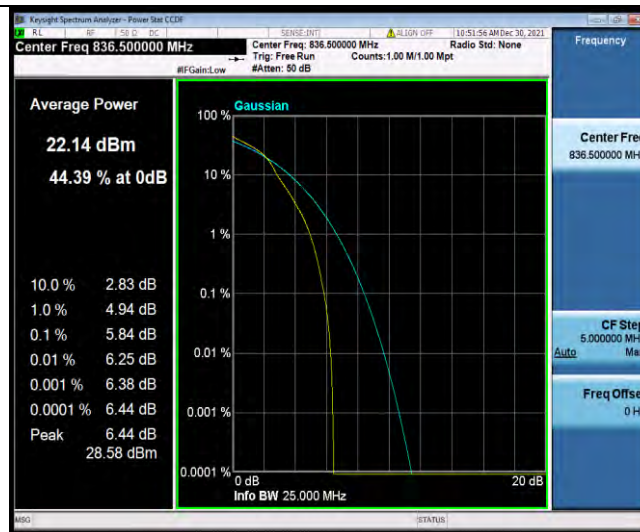


Band5-5MHz-16QAM-20525-1RB#0

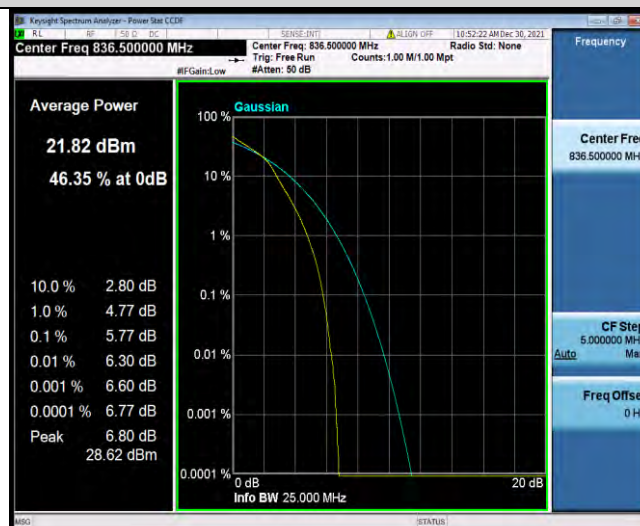


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VERITAS

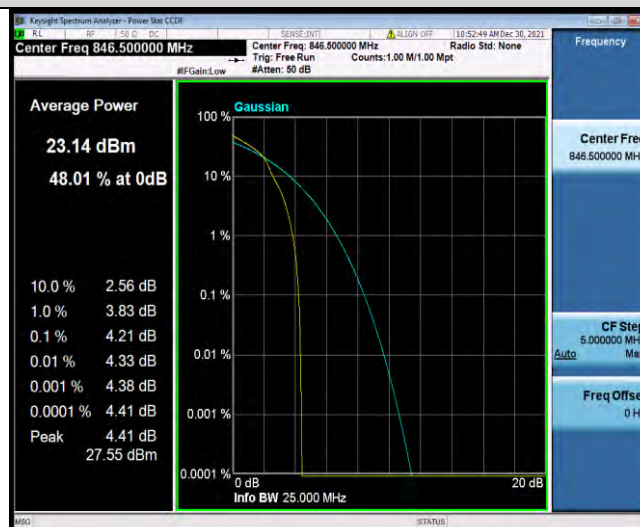
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Band5-5MHz-16QAM-20525-25RB#0



Band5-5MHz-16QAM-20625-1RB#0

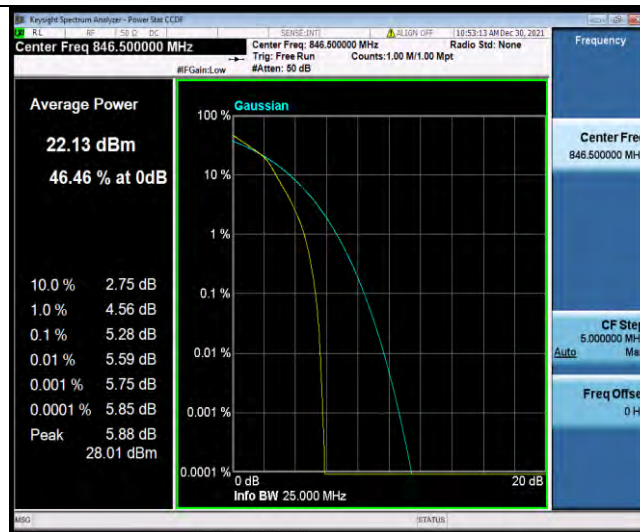


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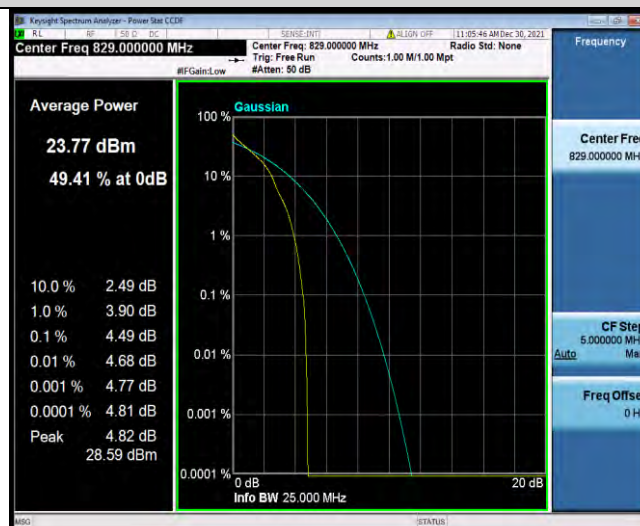


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VERITAS

Test Report No.: W7L-P22030026-5RF03



Band5-10MHz-QPSK-20450-1RB#0



Band5-10MHz-QPSK-20450-50RB#0



Band5-10MHz-QPSK-20525-1RB#0

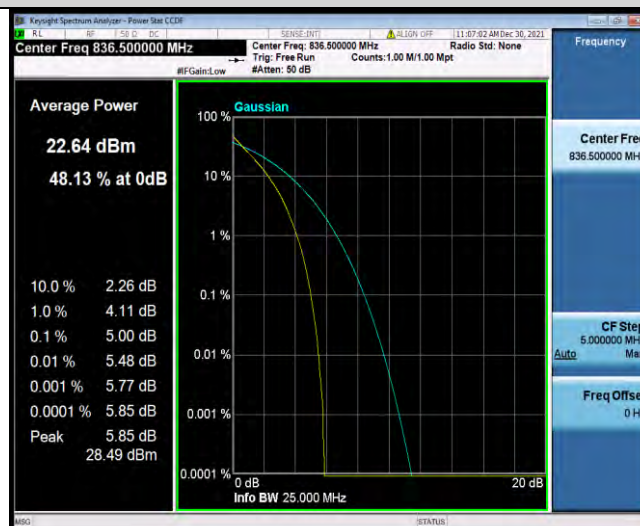


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VERITAS

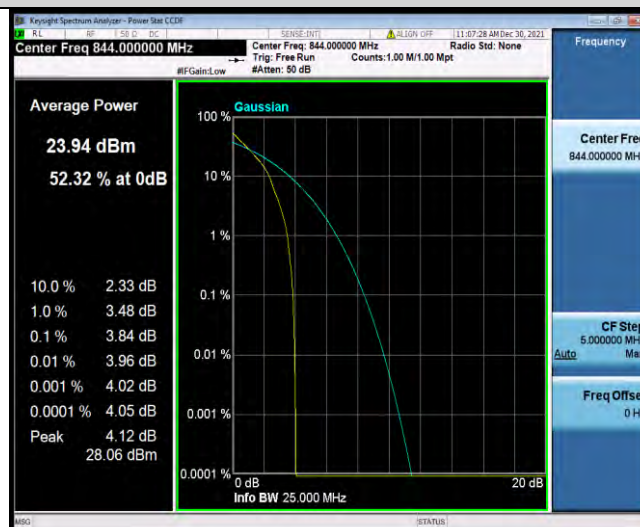
Test Report No.: W7L-P22030026-5RF03



Band5-10MHz-QPSK-20525-50RB#0



Band5-10MHz-QPSK-20600-1RB#0



Band5-10MHz-QPSK-20600-50RB#0



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VERITAS

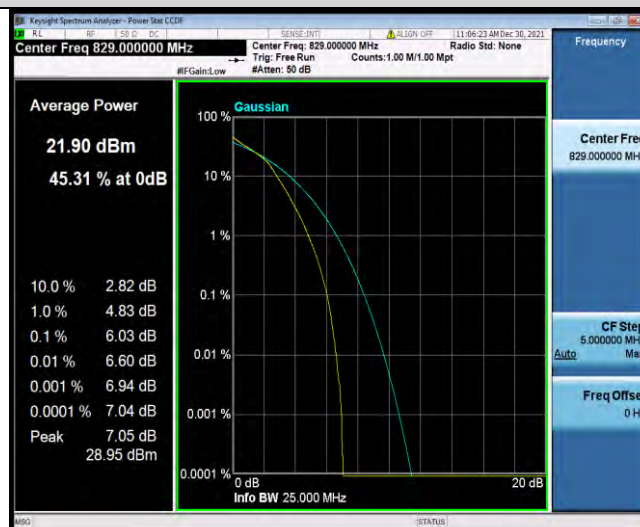
Test Report No.: W7L-P22030026-5RF03



Band5-10MHz-16QAM-20450-1RB#0



Band5-10MHz-16QAM-20450-50RB#0



Band5-10MHz-16QAM-20525-1RB#0

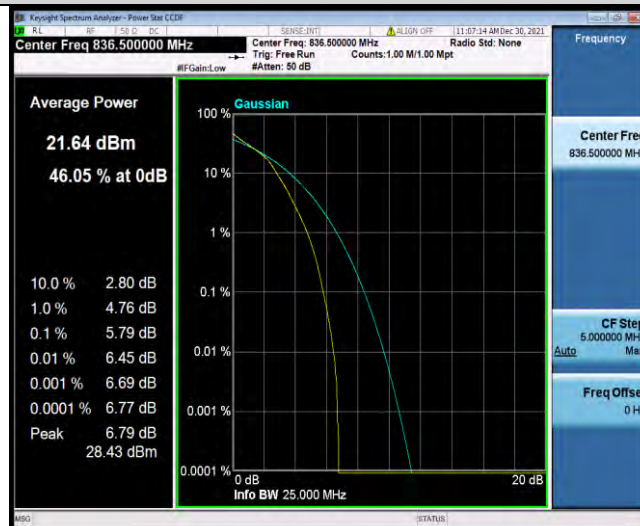


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VERITAS

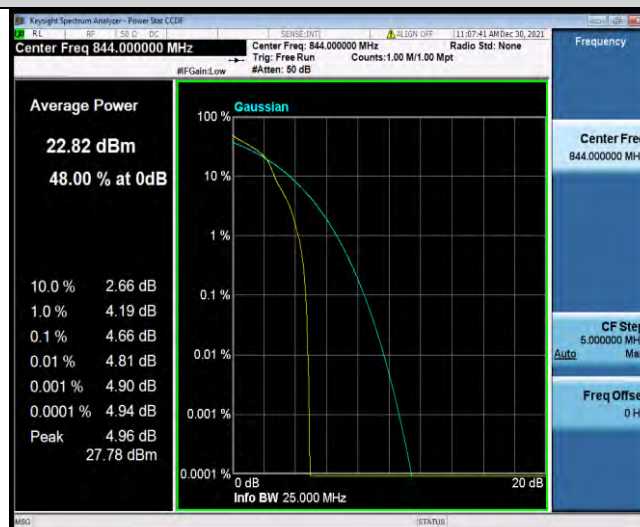
Test Report No.: W7L-P22030026-5RF03



Band5-10MHz-16QAM-20525-50RB#0



Band5-10MHz-16QAM-20600-1RB#0



Band5-10MHz-16QAM-20600-50RB#0

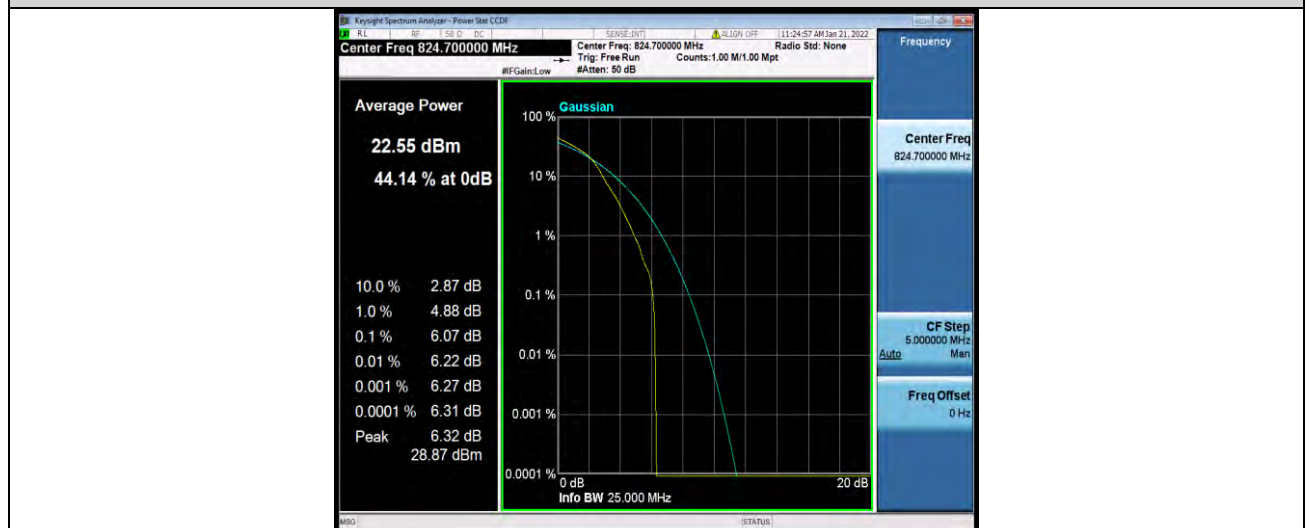


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VERITAS

Test Report No.: W7L-P22030026-5RF03



Band5-1.4MHz-64QAM-20407-1RB#0



Band5-1.4MHz-64QAM-20407-6RB#0

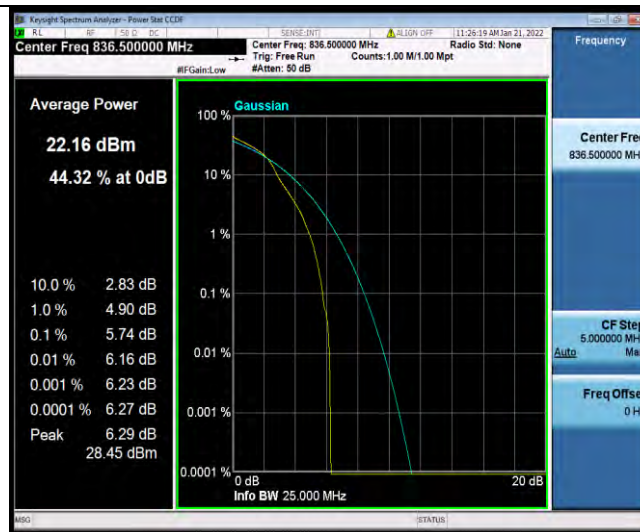


Band5-1.4MHz-64QAM-20525-1RB#0

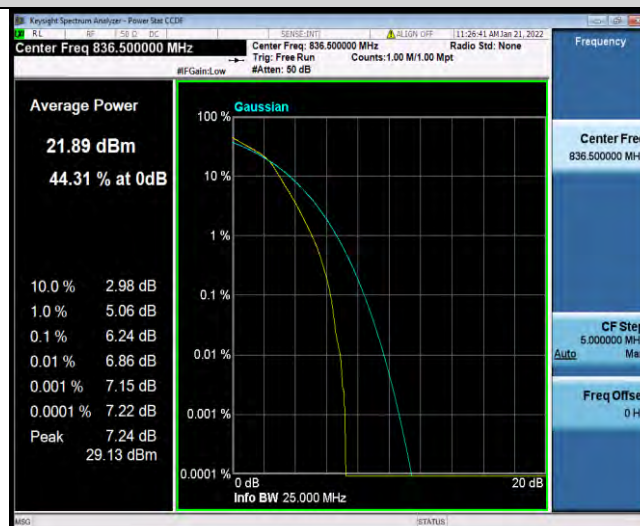


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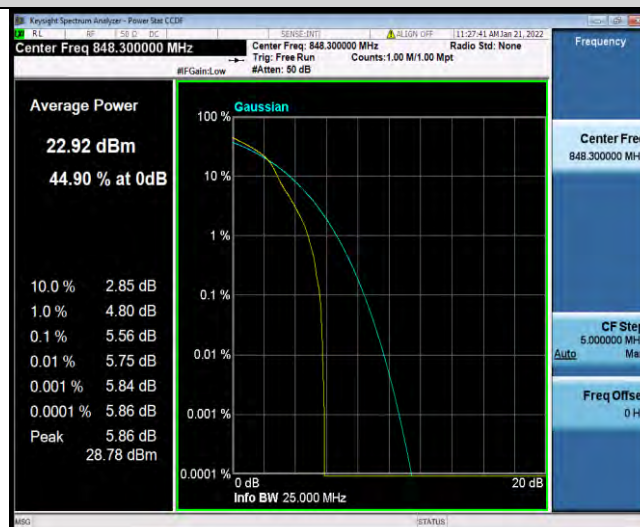
Test Report No.: W7L-P22030026-5RF03



Band5-1.4MHz-64QAM-20525-6RB#0



Band5-1.4MHz-64QAM-20643-1RB#0



Band5-1.4MHz-64QAM-20643-6RB#0



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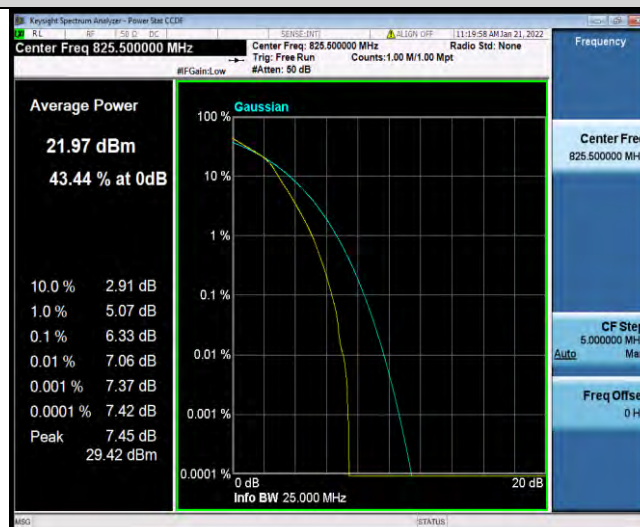
Test Report No.: W7L-P22030026-5RF03



Band5-3MHz-64QAM-20415-1RB#0



Band5-3MHz-64QAM-20415-15RB#0

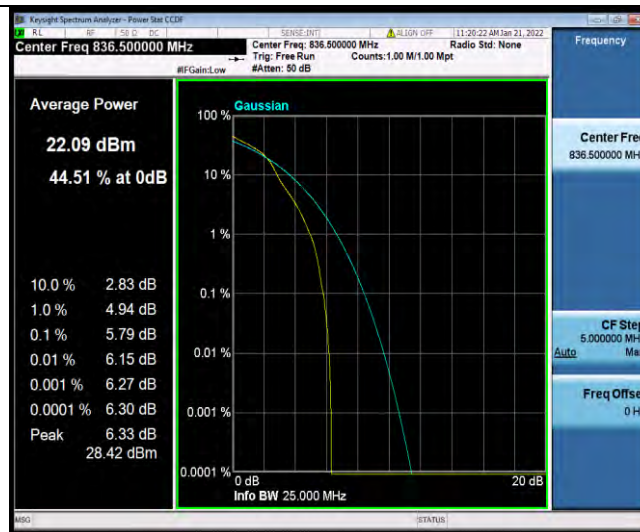


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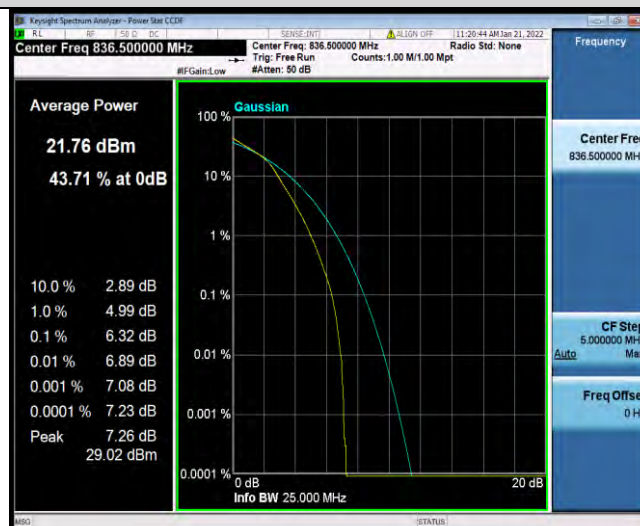


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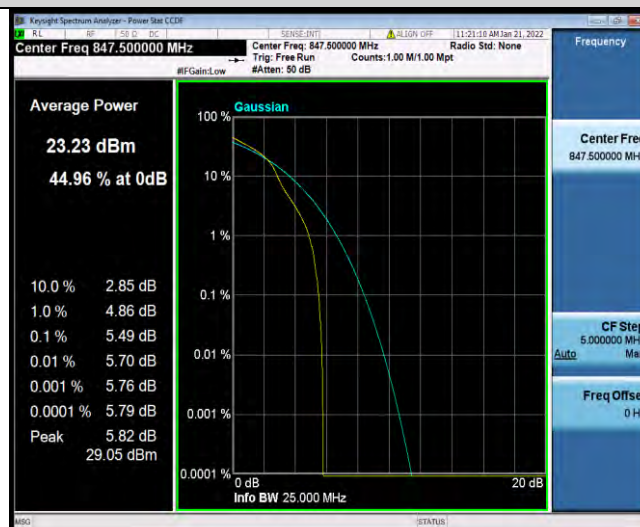
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Band5-3MHz-64QAM-20525-15RB#0



Band5-3MHz-64QAM-20635-1RB#0



Band5-3MHz-64QAM-20635-15RB#0

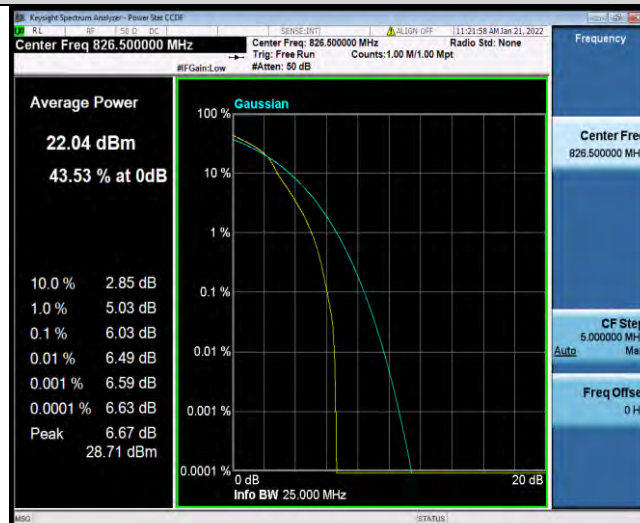


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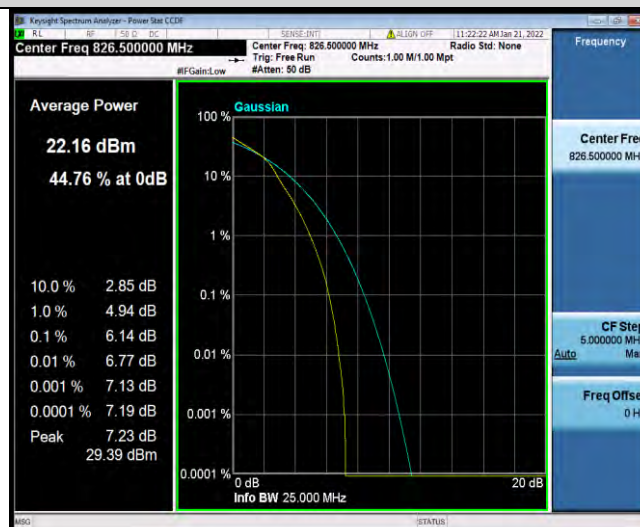
Test Report No.: W7L-P22030026-5RF03



Band5-5MHz-64QAM-20425-1RB#0



Band5-5MHz-64QAM-20425-25RB#0



Band5-5MHz-64QAM-20525-1RB#0

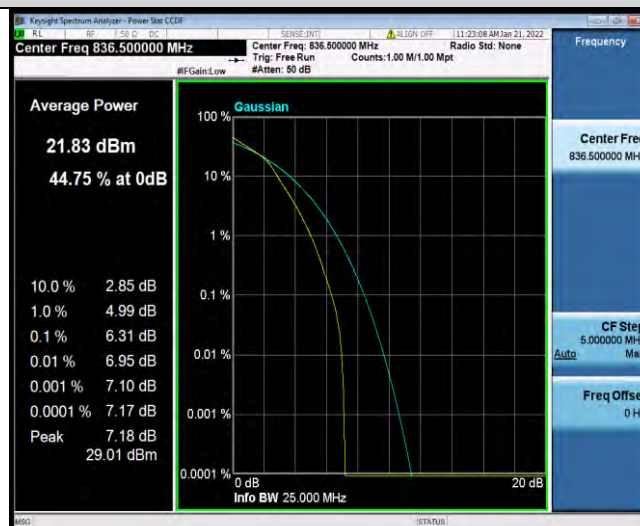


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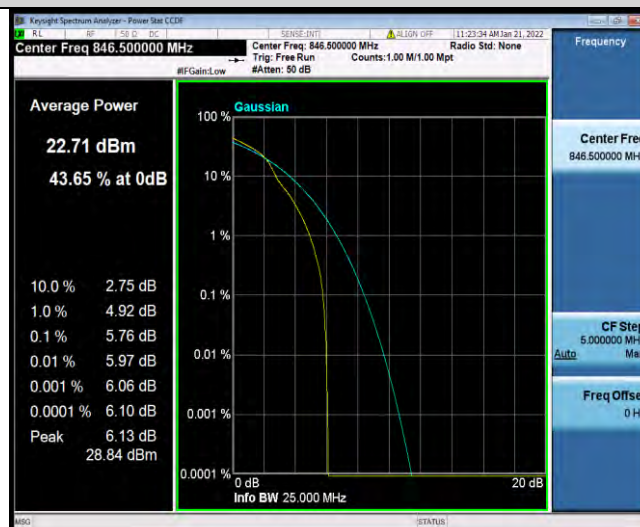
Test Report No.: W7L-P22030026-5RF03



Band5-5MHz-64QAM-20525-25RB#0



Band5-5MHz-64QAM-20625-1RB#0



Band5-5MHz-64QAM-20625-25RB#0

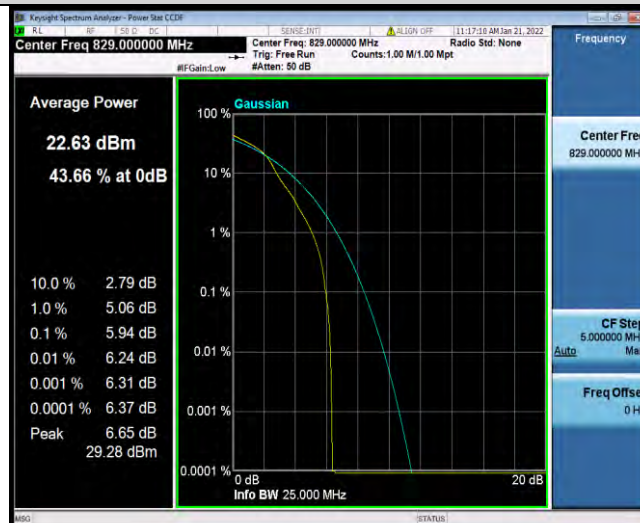


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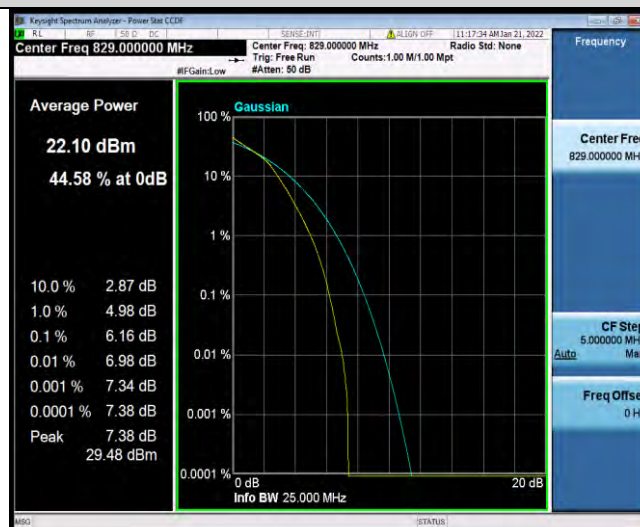
Test Report No.: W7L-P22030026-5RF03



Band5-10MHz-64QAM-20450-1RB#0



Band5-10MHz-64QAM-20450-50RB#0



Band5-10MHz-64QAM-20525-1RB#0

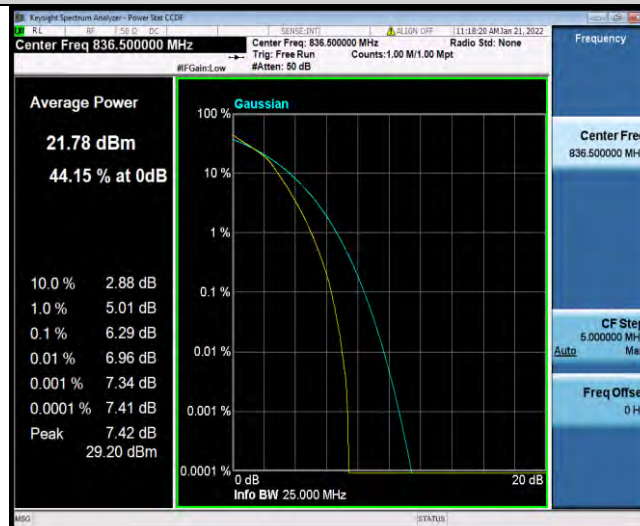


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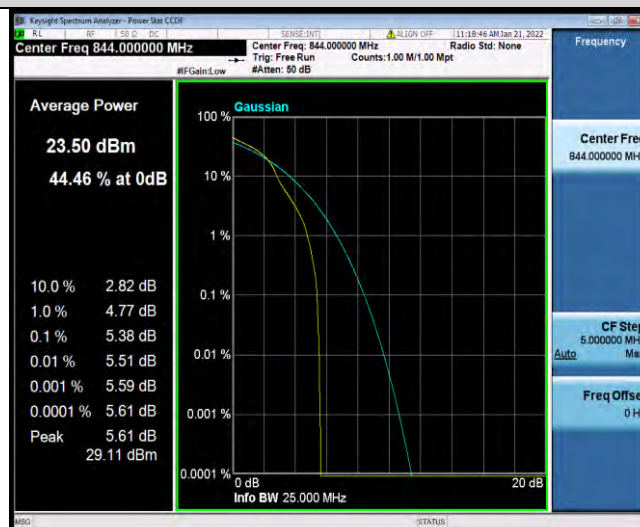
Test Report No.: W7L-P22030026-5RF03



Band5-10MHz-64QAM-20525-50RB#0



Band5-10MHz-64QAM-20600-1RB#0

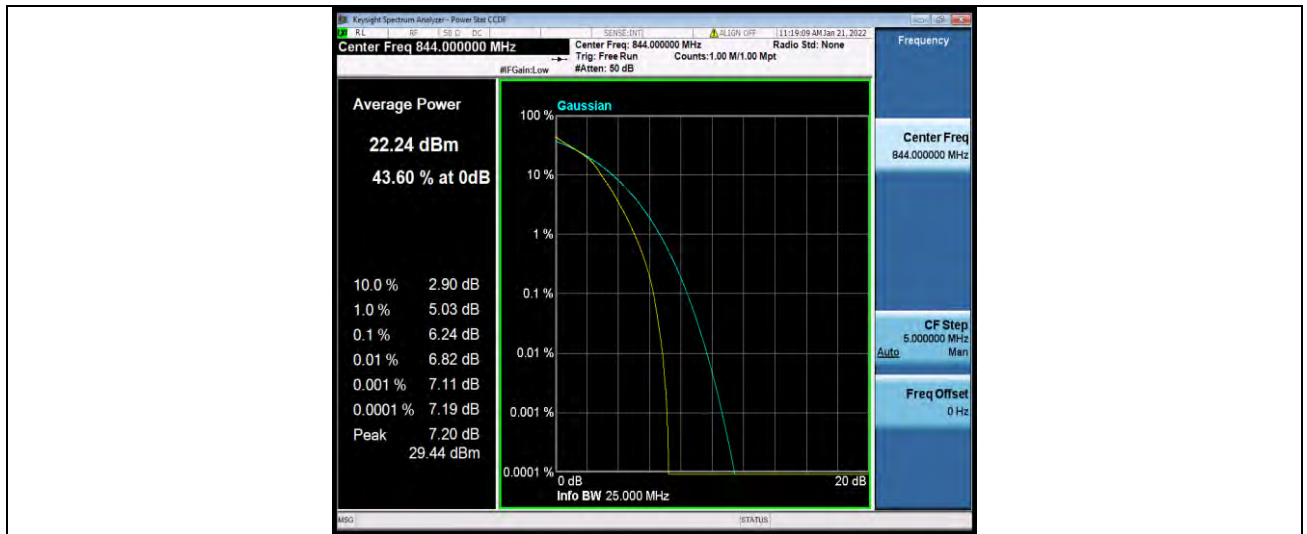


Band5-10MHz-64QAM-20600-50RB#0



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Test Report No.: W7L-P22030026-5RF03



26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.0896	1.229	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.0908	1.225	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.0896	1.239	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.0915	1.242	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.0924	1.242	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0912	1.239	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6941	2.969	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6977	2.960	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6995	2.954	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6934	2.964	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6977	3.008	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6959	2.961	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.4929	4.863	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4931	4.887	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.4960	4.881	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4866	4.858	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.4988	4.916	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5036	4.881	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9822	9.595	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9857	9.578	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9811	9.557	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.9641	9.581	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.9759	9.622	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.9802	9.555	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	1.0894	1.239	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	1.0890	1.226	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	1.0903	1.237	PASS
Band5	3MHz	64QAM	20415	15RB#0	2.6974	2.984	PASS
Band5	3MHz	64QAM	20525	15RB#0	2.6927	2.961	PASS
Band5	3MHz	64QAM	20635	15RB#0	2.6927	2.957	PASS
Band5	5MHz	64QAM	20425	25RB#0	4.4958	4.877	PASS
Band5	5MHz	64QAM	20525	25RB#0	4.4950	4.902	PASS
Band5	5MHz	64QAM	20625	25RB#0	4.5080	4.894	PASS
Band5	10MHz	64QAM	20450	50RB#0	8.9612	9.546	PASS
Band5	10MHz	64QAM	20525	50RB#0	8.9788	9.557	PASS
Band5	10MHz	64QAM	20600	50RB#0	8.9944	9.575	PASS

Test Graphs



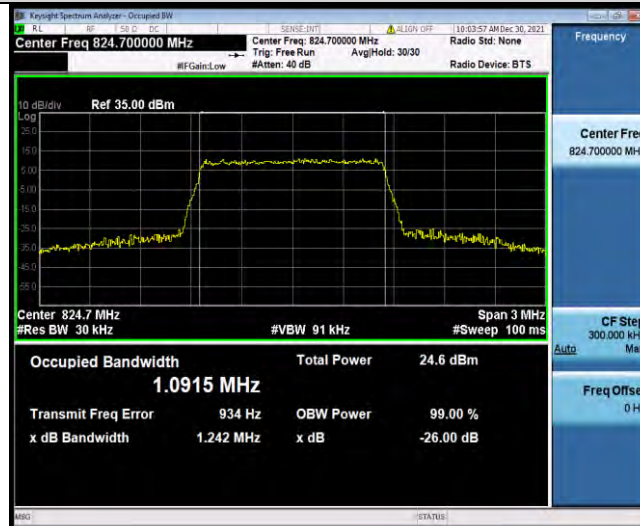


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Test Report No.: W7L-P22030026-5RF03



Band5-1.4MHz-16QAM-20407-6RB#0



Band5-1.4MHz-16QAM-20525-6RB#0



Band5-1.4MHz-16QAM-20643-6RB#0

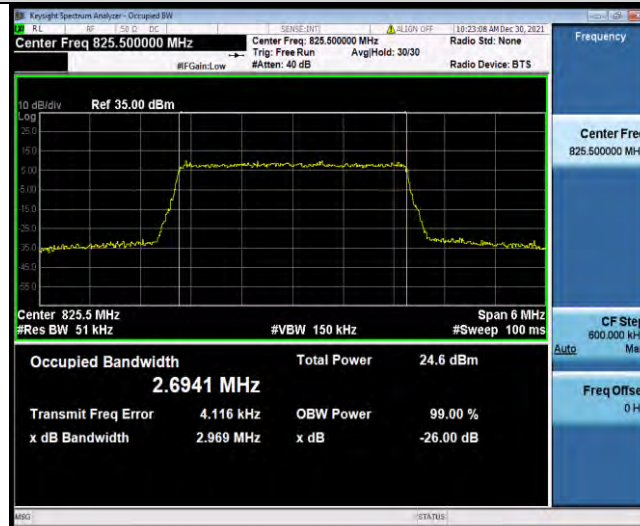


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Test Report No.: W7L-P22030026-5RF03



Band5-3MHz-QPSK-20415-15RB#0



Band5-3MHz-QPSK-20525-15RB#0



Band5-3MHz-QPSK-20635-15RB#0

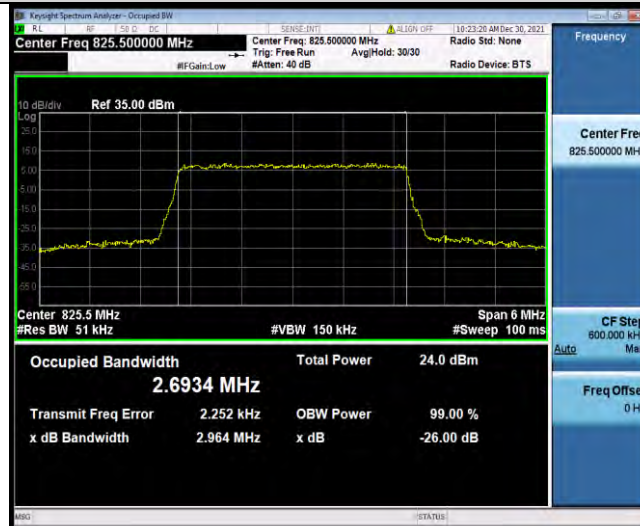


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Test Report No.: W7L-P22030026-5RF03



Band5-3MHz-16QAM-20415-15RB#0



Band5-3MHz-16QAM-20525-15RB#0



Band5-3MHz-16QAM-20635-15RB#0



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Test Report No.: W7L-P22030026-5RF03



Band5-5MHz-QPSK-20425-25RB#0



Band5-5MHz-QPSK-20525-25RB#0



Band5-5MHz-QPSK-20625-25RB#0

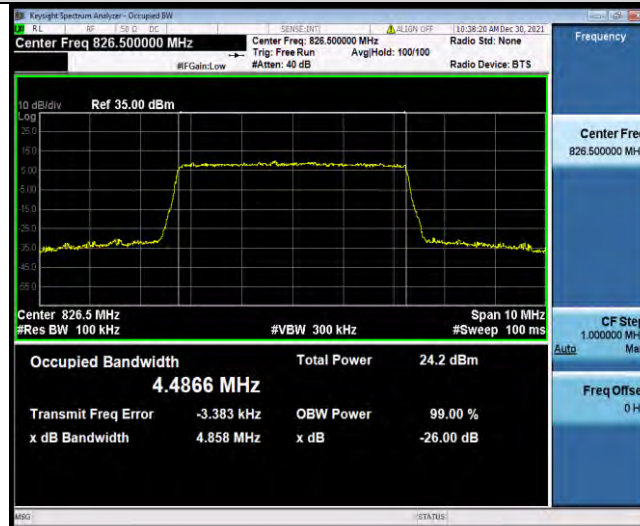


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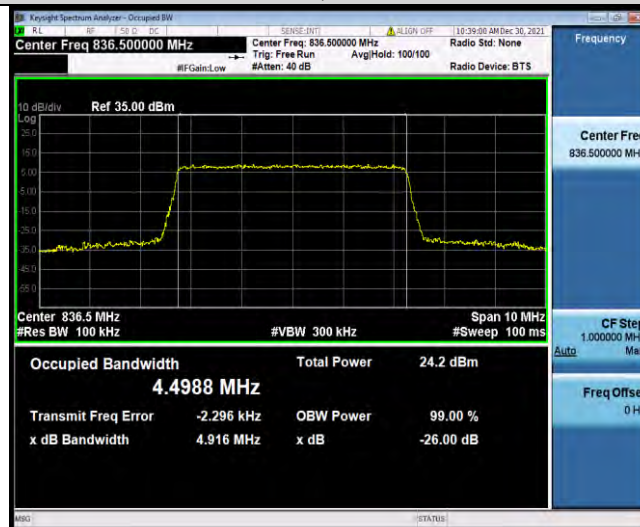
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Band5-5MHz-16QAM-20425-25RB#0



Band5-5MHz-16QAM-20525-25RB#0



Band5-5MHz-16QAM-20625-25RB#0



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Test Report No.: W7L-P22030026-5RF03



Band5-10MHz-QPSK-20450-50RB#0



Band5-10MHz-QPSK-20525-50RB#0



Band5-10MHz-QPSK-20600-50RB#0



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VERITAS

Test Report No.: W7L-P22030026-5RF03



Band5-10MHz-16QAM-20450-50RB#0



Band5-10MHz-16QAM-20525-50RB#0



Band5-10MHz-16QAM-20600-50RB#0



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VERITAS

Test Report No.: W7L-P22030026-5RF03



Band5-1.4MHz-64QAM-20407-6RB#0



Band5-1.4MHz-64QAM-20525-6RB#0



Band5-1.4MHz-64QAM-20643-6RB#0