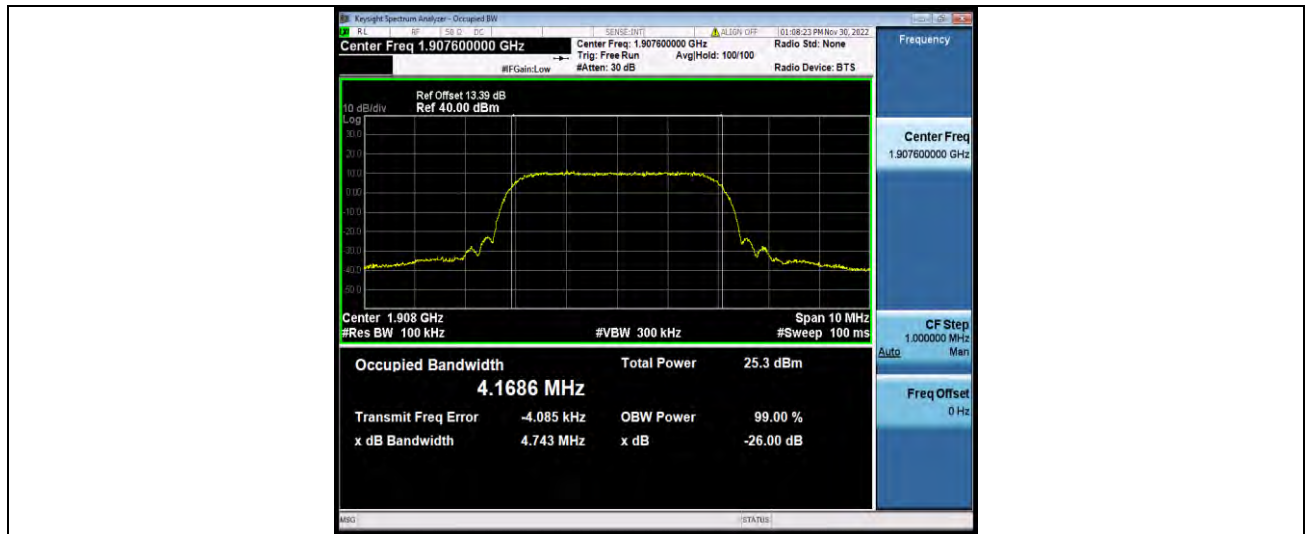




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Test Report No.: W7L-P22110036RF05





Test Report No.: W7L-P22110036RF05

BAND EDGE

Test Result

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1850.00	-27.34	-13	PASS
Band2	9538	1910.00	-26.78	-13	PASS

Test Graphs

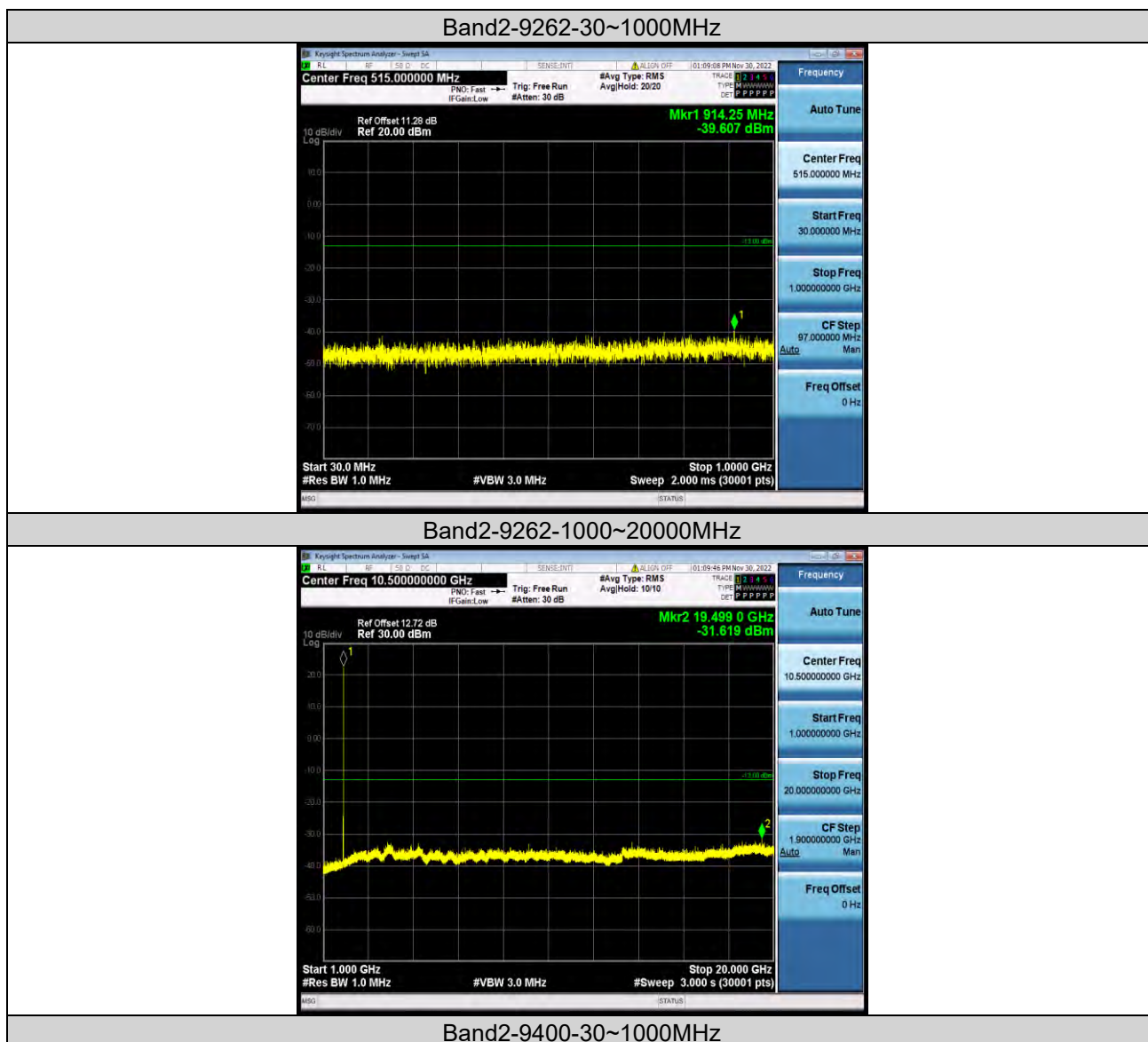


CONDUCTED SPURIOUS EMISSION

Test Result

Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	30~1000MHz	914.25	-39.61	-13	PASS
Band2	9262	1000~20000MHz	19499.03	-31.62	-13	PASS
Band2	9400	30~1000MHz	938.76	-40.17	-13	PASS
Band2	9400	1000~20000MHz	3751.83	-32.3	-13	PASS
Band2	9538	30~1000MHz	517.26	-40.72	-13	PASS
Band2	9538	1000~20000MHz	19366.67	-32.03	-13	PASS

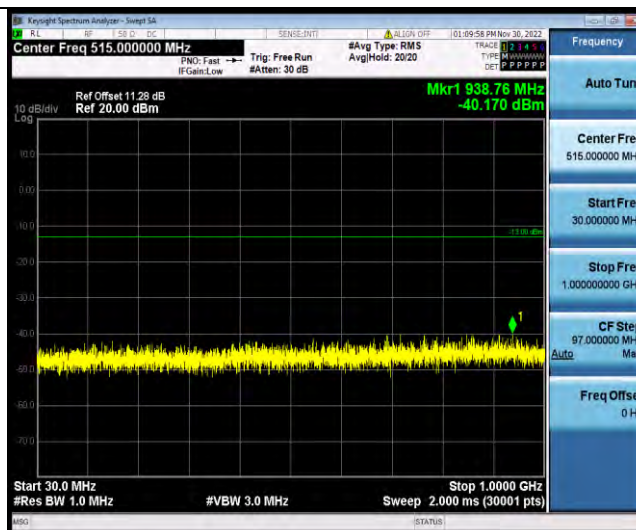
Test Graphs





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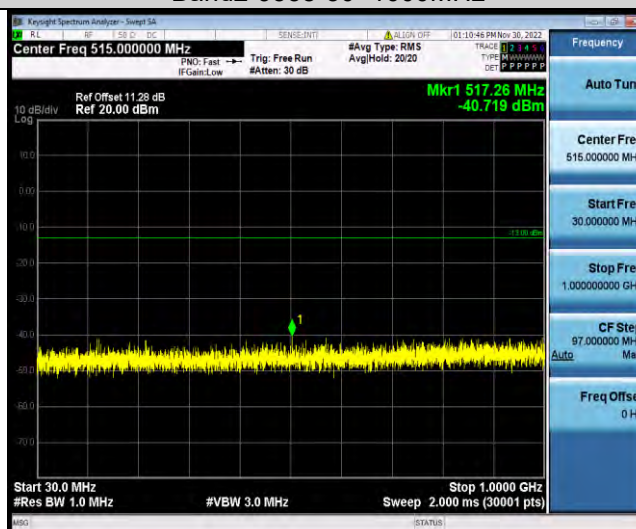
Test Report No.: W7L-P22110036RF05



Band2-9400-1000~20000MHz



Band2-9538-30~1000MHz



Band2-9538-1000~20000MHz



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Test Report No.: W7L-P22110036RF05



FREQUENCY STABILITY

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	VL	NT	2.62	0.001414	±2.5	PASS
Band2	9262	VN	NT	2.42	0.001306	±2.5	PASS
Band2	9262	VH	NT	2.83	0.001528	±2.5	PASS
Band2	9400	VL	NT	2.42	0.001287	±2.5	PASS
Band2	9400	VN	NT	2.62	0.001394	±2.5	PASS
Band2	9400	VH	NT	2.57	0.001367	±2.5	PASS
Band2	9538	VL	NT	0.67	0.000351	±2.5	PASS
Band2	9538	VN	NT	0.74	0.000388	±2.5	PASS
Band2	9538	VH	NT	0.53	0.000278	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	NV	-30	2.74	0.001479	±2.5	PASS
Band2	9262	NV	-20	3.10	0.001674	±2.5	PASS
Band2	9262	NV	-10	3.55	0.001916	±2.5	PASS
Band2	9262	NV	0	3.35	0.001808	±2.5	PASS
Band2	9262	NV	10	3.35	0.001808	±2.5	PASS
Band2	9262	NV	20	3.55	0.001916	±2.5	PASS
Band2	9262	NV	30	3.71	0.002003	±2.5	PASS
Band2	9262	NV	40	3.65	0.001970	±2.5	PASS
Band2	9262	NV	50	3.78	0.002041	±2.5	PASS
Band2	9400	NV	-30	2.62	0.001394	±2.5	PASS
Band2	9400	NV	-20	2.54	0.001351	±2.5	PASS
Band2	9400	NV	-10	2.63	0.001399	±2.5	PASS
Band2	9400	NV	0	2.63	0.001399	±2.5	PASS
Band2	9400	NV	10	2.65	0.001410	±2.5	PASS
Band2	9400	NV	20	2.45	0.001303	±2.5	PASS
Band2	9400	NV	30	2.68	0.001426	±2.5	PASS
Band2	9400	NV	40	2.44	0.001298	±2.5	PASS
Band2	9400	NV	50	2.75	0.001463	±2.5	PASS
Band2	9538	NV	-30	0.46	0.000241	±2.5	PASS
Band2	9538	NV	-20	0.59	0.000309	±2.5	PASS
Band2	9538	NV	-10	0.16	0.000084	±2.5	PASS
Band2	9538	NV	0	0.10	0.000052	±2.5	PASS
Band2	9538	NV	10	0.34	0.000178	±2.5	PASS
Band2	9538	NV	20	0.17	0.000089	±2.5	PASS
Band2	9538	NV	30	0.16	0.000084	±2.5	PASS
Band2	9538	NV	40	0.12	0.000063	±2.5	PASS



Test Report No.: W7L-P22110036RF05

Band2	9538	NV	50	0.09	0.000047	±2.5	PASS
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LTE BAND25

PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band25	1.4MHz	QPSK	26047	1RB#0	3.59	13	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	4.84	13	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	3.47	13	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	4.60	13	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	3.54	13	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	4.72	13	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	5.07	13	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	5.71	13	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	4.92	13	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	5.46	13	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	5.09	13	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	5.58	13	PASS
Band25	1.4MHz	64QAM	26047	1RB#0	6.08	13	PASS
Band25	1.4MHz	64QAM	26047	6RB#0	6.56	13	PASS
Band25	1.4MHz	64QAM	26365	1RB#0	5.87	13	PASS
Band25	1.4MHz	64QAM	26365	6RB#0	6.31	13	PASS
Band25	1.4MHz	64QAM	26683	1RB#0	6.09	13	PASS
Band25	1.4MHz	64QAM	26683	6RB#0	6.36	13	PASS
Band25	3MHz	QPSK	26055	1RB#0	3.47	13	PASS
Band25	3MHz	QPSK	26055	15RB#0	4.80	13	PASS
Band25	3MHz	QPSK	26365	1RB#0	3.20	13	PASS
Band25	3MHz	QPSK	26365	15RB#0	4.61	13	PASS
Band25	3MHz	QPSK	26675	1RB#0	3.38	13	PASS
Band25	3MHz	QPSK	26675	15RB#0	4.71	13	PASS
Band25	3MHz	16QAM	26055	1RB#0	4.90	13	PASS
Band25	3MHz	16QAM	26055	15RB#0	5.69	13	PASS
Band25	3MHz	16QAM	26365	1RB#0	4.52	13	PASS
Band25	3MHz	16QAM	26365	15RB#0	5.50	13	PASS
Band25	3MHz	16QAM	26675	1RB#0	4.91	13	PASS
Band25	3MHz	16QAM	26675	15RB#0	5.61	13	PASS
Band25	3MHz	64QAM	26055	1RB#0	5.74	13	PASS
Band25	3MHz	64QAM	26055	15RB#0	6.43	13	PASS
Band25	3MHz	64QAM	26365	1RB#0	5.67	13	PASS
Band25	3MHz	64QAM	26365	15RB#0	6.29	13	PASS
Band25	3MHz	64QAM	26675	1RB#0	6.09	13	PASS
Band25	3MHz	64QAM	26675	15RB#0	6.45	13	PASS
Band25	5MHz	QPSK	26065	1RB#0	3.40	13	PASS
Band25	5MHz	QPSK	26065	25RB#0	4.74	13	PASS
Band25	5MHz	QPSK	26365	1RB#0	3.13	13	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.65	13	PASS



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Test Report No.: W7L-P22110036RF05

Band25	5MHz	QPSK	26665	1RB#0	8.47	13	PASS
Band25	5MHz	QPSK	26665	25RB#0	4.81	13	PASS
Band25	5MHz	16QAM	26065	1RB#0	4.88	13	PASS
Band25	5MHz	16QAM	26065	25RB#0	5.56	13	PASS
Band25	5MHz	16QAM	26365	1RB#0	4.54	13	PASS
Band25	5MHz	16QAM	26365	25RB#0	5.48	13	PASS
Band25	5MHz	16QAM	26665	1RB#0	4.69	13	PASS
Band25	5MHz	16QAM	26665	25RB#0	5.66	13	PASS
Band25	5MHz	64QAM	26065	1RB#0	6.01	13	PASS
Band25	5MHz	64QAM	26065	25RB#0	6.42	13	PASS
Band25	5MHz	64QAM	26365	1RB#0	5.78	13	PASS
Band25	5MHz	64QAM	26365	25RB#0	6.17	13	PASS
Band25	5MHz	64QAM	26665	1RB#0	8.44	13	PASS
Band25	5MHz	64QAM	26665	25RB#0	6.37	13	PASS
Band25	10MHz	QPSK	26090	1RB#0	3.31	13	PASS
Band25	10MHz	QPSK	26090	50RB#0	4.76	13	PASS
Band25	10MHz	QPSK	26365	1RB#0	3.00	13	PASS
Band25	10MHz	QPSK	26365	50RB#0	4.12	13	PASS
Band25	10MHz	QPSK	26640	1RB#0	3.39	13	PASS
Band25	10MHz	QPSK	26640	50RB#0	4.71	13	PASS
Band25	10MHz	16QAM	26090	1RB#0	4.80	13	PASS
Band25	10MHz	16QAM	26090	50RB#0	5.58	13	PASS
Band25	10MHz	16QAM	26365	1RB#0	4.16	13	PASS
Band25	10MHz	16QAM	26365	50RB#0	4.97	13	PASS
Band25	10MHz	16QAM	26640	1RB#0	4.89	13	PASS
Band25	10MHz	16QAM	26640	50RB#0	5.57	13	PASS
Band25	10MHz	64QAM	26090	1RB#0	5.94	13	PASS
Band25	10MHz	64QAM	26090	50RB#0	6.45	13	PASS
Band25	10MHz	64QAM	26365	1RB#0	5.71	13	PASS
Band25	10MHz	64QAM	26365	50RB#0	6.20	13	PASS
Band25	10MHz	64QAM	26640	1RB#0	6.26	13	PASS
Band25	10MHz	64QAM	26640	50RB#0	6.43	13	PASS
Band25	15MHz	QPSK	26115	1RB#0	3.33	13	PASS
Band25	15MHz	QPSK	26115	75RB#0	5.05	13	PASS
Band25	15MHz	QPSK	26365	1RB#0	3.02	13	PASS
Band25	15MHz	QPSK	26365	75RB#0	5.01	13	PASS
Band25	15MHz	QPSK	26615	1RB#0	3.37	13	PASS
Band25	15MHz	QPSK	26615	75RB#0	5.08	13	PASS
Band25	15MHz	16QAM	26115	1RB#0	4.74	13	PASS
Band25	15MHz	16QAM	26115	75RB#0	5.80	13	PASS
Band25	15MHz	16QAM	26365	1RB#0	4.83	13	PASS
Band25	15MHz	16QAM	26365	75RB#0	5.75	13	PASS
Band25	15MHz	16QAM	26615	1RB#0	7.11	13	PASS
Band25	15MHz	16QAM	26615	75RB#0	5.84	13	PASS
Band25	15MHz	64QAM	26115	1RB#0	5.89	13	PASS
Band25	15MHz	64QAM	26115	75RB#0	6.51	13	PASS
Band25	15MHz	64QAM	26365	1RB#0	5.79	13	PASS
Band25	15MHz	64QAM	26365	75RB#0	6.34	13	PASS
Band25	15MHz	64QAM	26615	1RB#0	6.60	13	PASS
Band25	15MHz	64QAM	26615	75RB#0	6.52	13	PASS
Band25	20MHz	QPSK	26140	1RB#0	3.38	13	PASS
Band25	20MHz	QPSK	26140	100RB#0	4.97	13	PASS
Band25	20MHz	QPSK	26365	1RB#0	3.40	13	PASS

**Test Report No.: W7L-P22110036RF05**

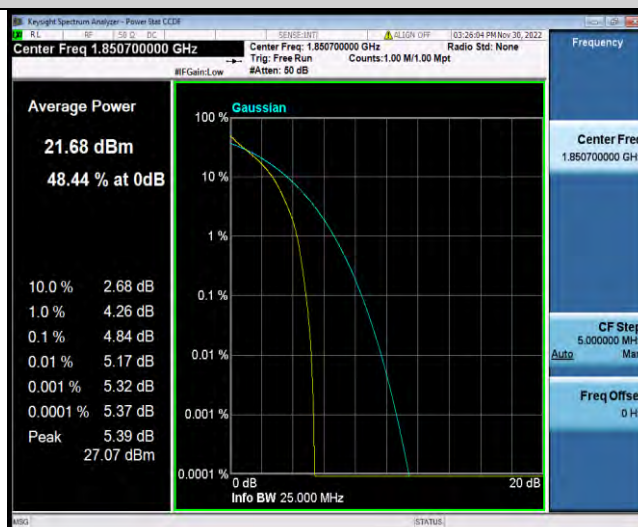
Band25	20MHz	QPSK	26365	100RB#0	4.55	13	PASS
Band25	20MHz	QPSK	26590	1RB#0	3.46	13	PASS
Band25	20MHz	QPSK	26590	100RB#0	5.00	13	PASS
Band25	20MHz	16QAM	26140	1RB#0	5.01	13	PASS
Band25	20MHz	16QAM	26140	100RB#0	5.78	13	PASS
Band25	20MHz	16QAM	26365	1RB#0	4.88	13	PASS
Band25	20MHz	16QAM	26365	100RB#0	5.38	13	PASS
Band25	20MHz	16QAM	26590	1RB#0	5.10	13	PASS
Band25	20MHz	16QAM	26590	100RB#0	5.84	13	PASS
Band25	20MHz	64QAM	26140	1RB#0	8.60	13	PASS
Band25	20MHz	64QAM	26140	100RB#0	6.56	13	PASS
Band25	20MHz	64QAM	26365	1RB#0	6.23	13	PASS
Band25	20MHz	64QAM	26365	100RB#0	6.43	13	PASS
Band25	20MHz	64QAM	26590	1RB#0	6.30	13	PASS
Band25	20MHz	64QAM	26590	100RB#0	6.55	13	PASS

Test Graphs

Band25-1.4MHz-QPSK-26047-1RB#0



Band25-1.4MHz-QPSK-26047-6RB#0

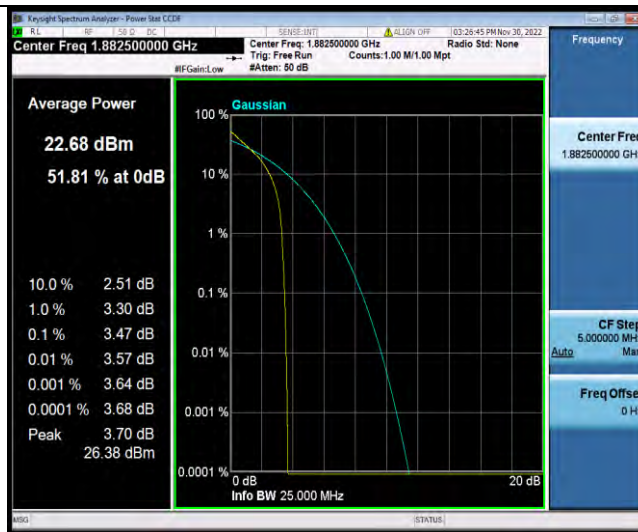


Band25-1.4MHz-QPSK-26365-1RB#0

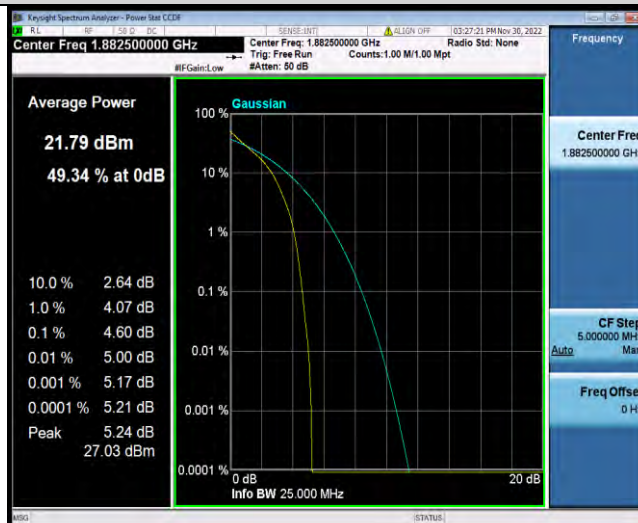


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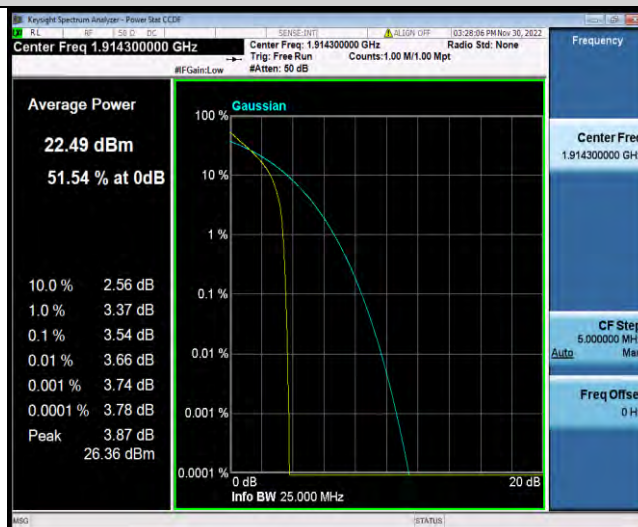
Test Report No.: W7L-P22110036RF05



Band25-1.4MHz-QPSK-26365-6RB#0



Band25-1.4MHz-QPSK-26683-1RB#0



Band25-1.4MHz-QPSK-26683-6RB#0

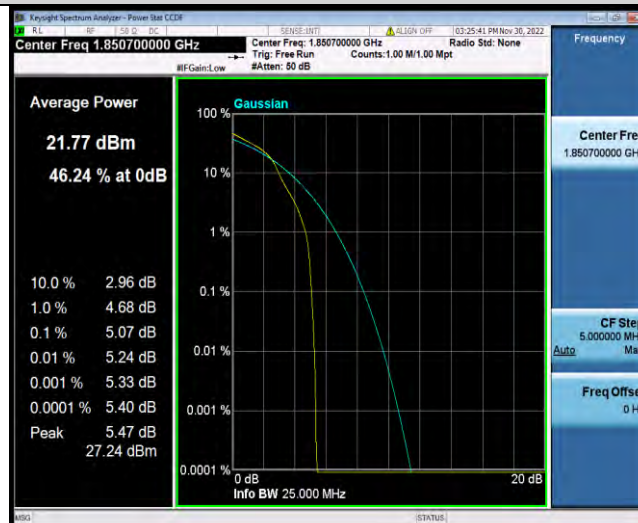


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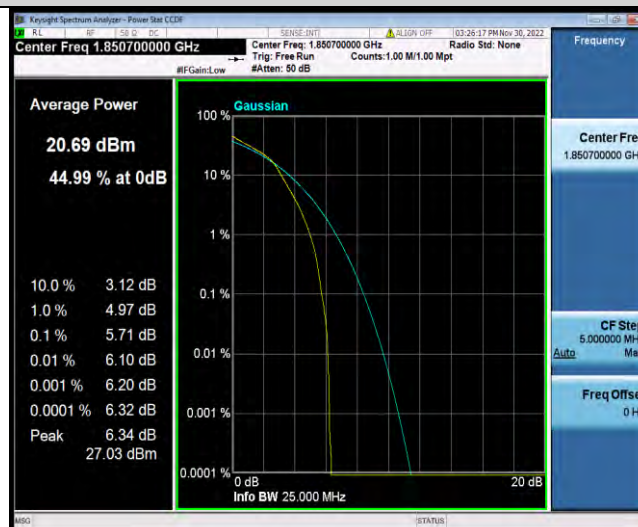
Test Report No.: W7L-P22110036RF05



Band25-1.4MHz-16QAM-26047-1RB#0



Band25-1.4MHz-16QAM-26047-6RB#0

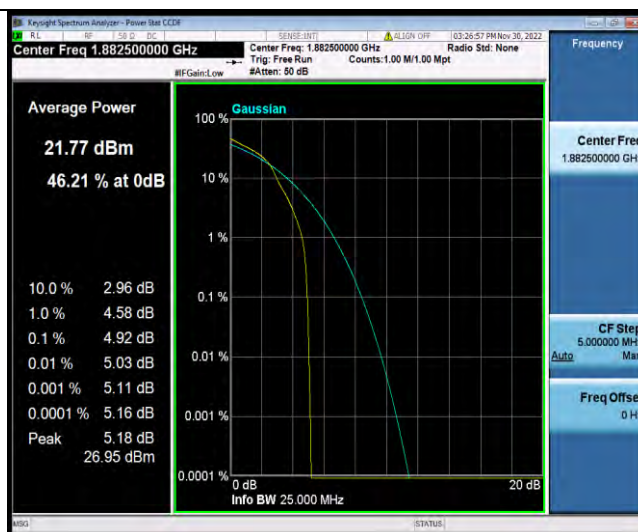


Band25-1.4MHz-16QAM-26365-1RB#0

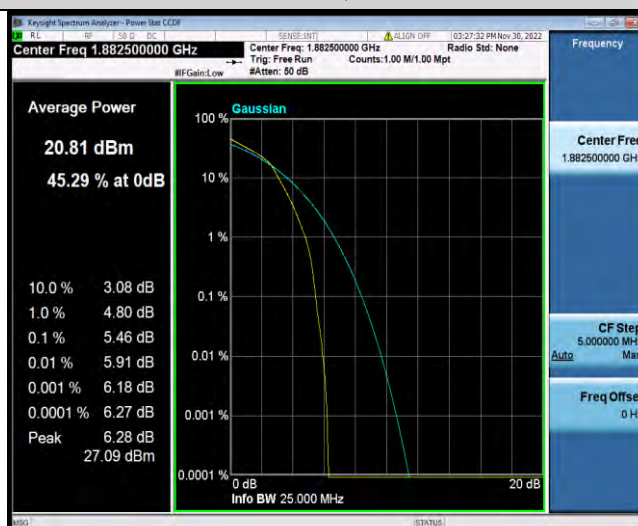


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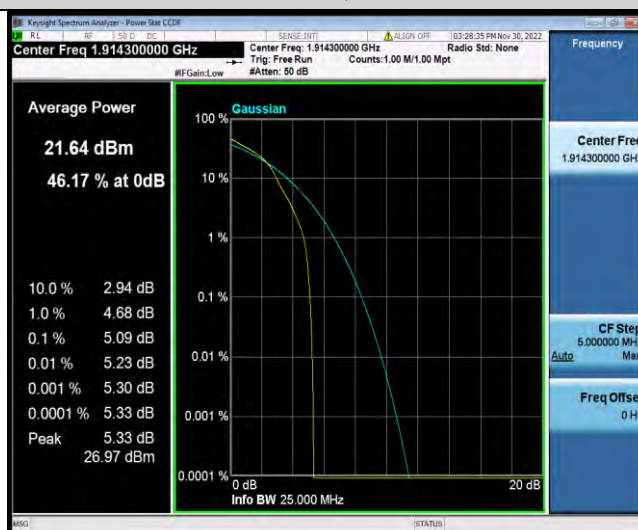
Test Report No.: W7L-P22110036RF05



Band25-1.4MHz-16QAM-26365-6RB#0



Band25-1.4MHz-16QAM-26683-1RB#0

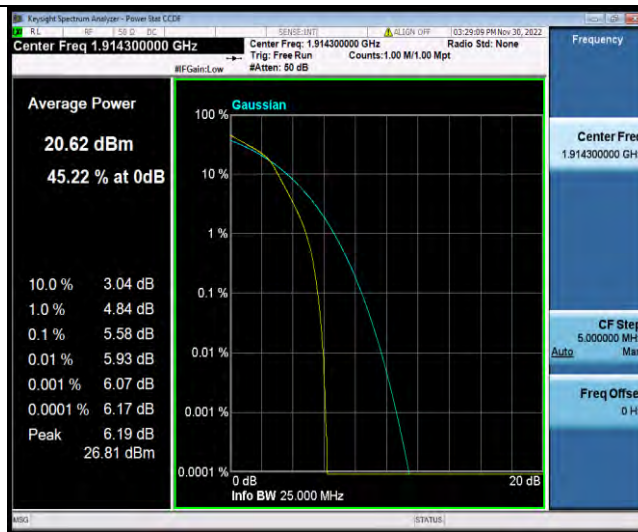


Band25-1.4MHz-16QAM-26683-6RB#0



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Test Report No.: W7L-P22110036RF05



Band25-1.4MHz-64QAM-26047-1RB#0



Band25-1.4MHz-64QAM-26047-6RB#0



Band25-1.4MHz-64QAM-26365-1RB#0

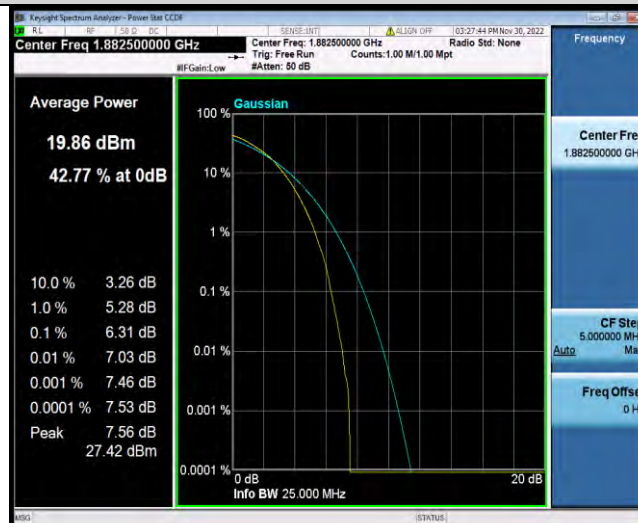


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VERITAS

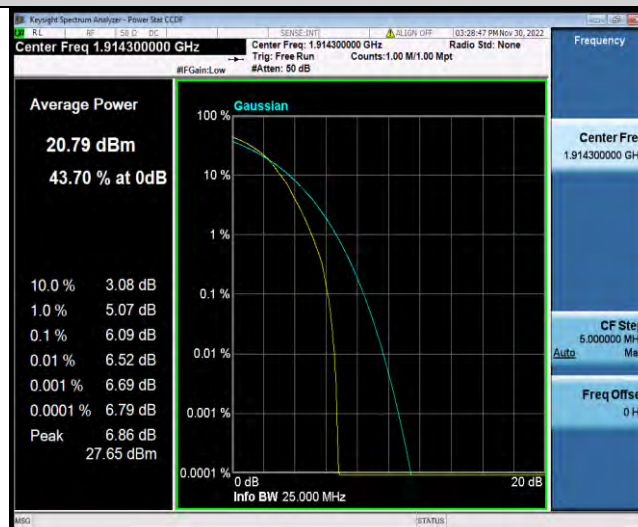
Test Report No.: W7L-P22110036RF05



Band25-1.4MHz-64QAM-26365-6RB#0



Band25-1.4MHz-64QAM-26683-1RB#0

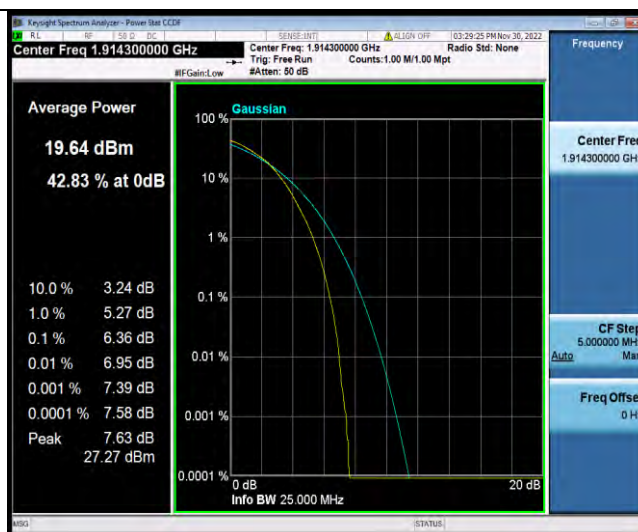


Band25-1.4MHz-64QAM-26683-6RB#0



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Test Report No.: W7L-P22110036RF05



Band25-3MHz-QPSK-26055-1RB#0



Band25-3MHz-QPSK-26055-15RB#0



Band25-3MHz-QPSK-26365-1RB#0



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Test Report No.: W7L-P22110036RF05



Band25-3MHz-QPSK-26365-15RB#0



Band25-3MHz-QPSK-26675-1RB#0



Band25-3MHz-QPSK-26675-15RB#0



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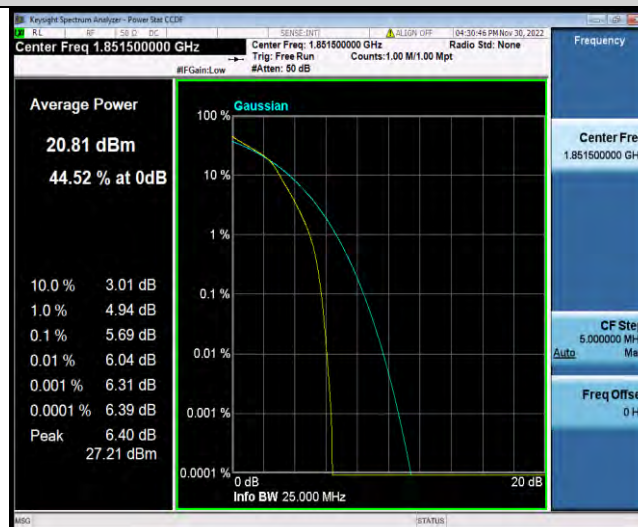
Test Report No.: W7L-P22110036RF05



Band25-3MHz-16QAM-26055-1RB#0



Band25-3MHz-16QAM-26055-15RB#0



Band25-3MHz-16QAM-26365-1RB#0



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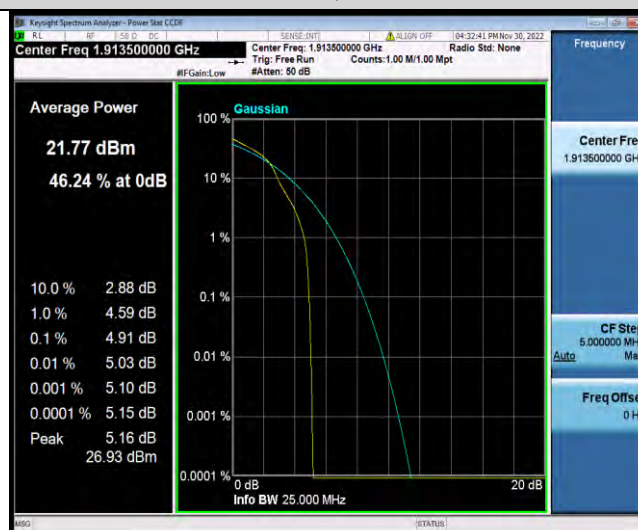
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Band25-3MHz-16QAM-26365-15RB#0



Band25-3MHz-16QAM-26675-1RB#0



Band25-3MHz-16QAM-26675-15RB#0



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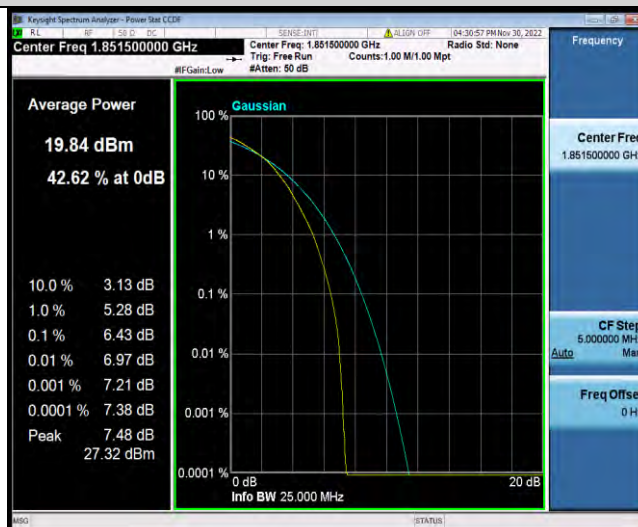
Test Report No.: W7L-P22110036RF05



Band25-3MHz-64QAM-26055-1RB#0



Band25-3MHz-64QAM-26055-15RB#0

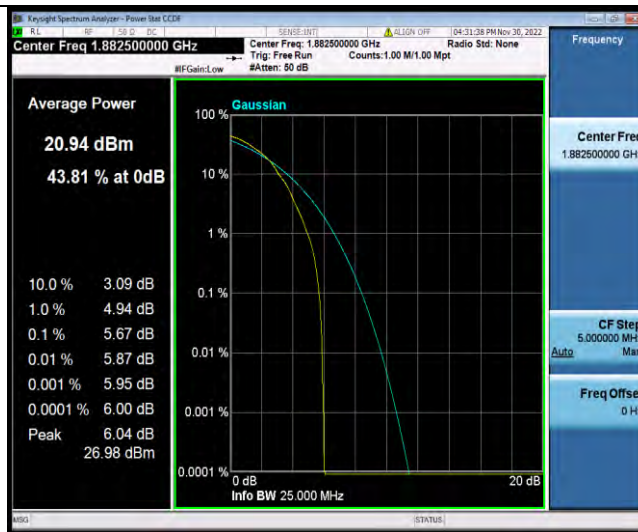


Band25-3MHz-64QAM-26365-1RB#0

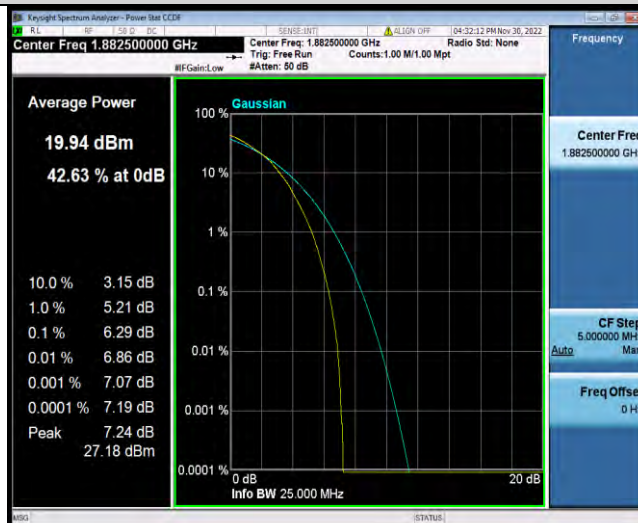


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VERITAS

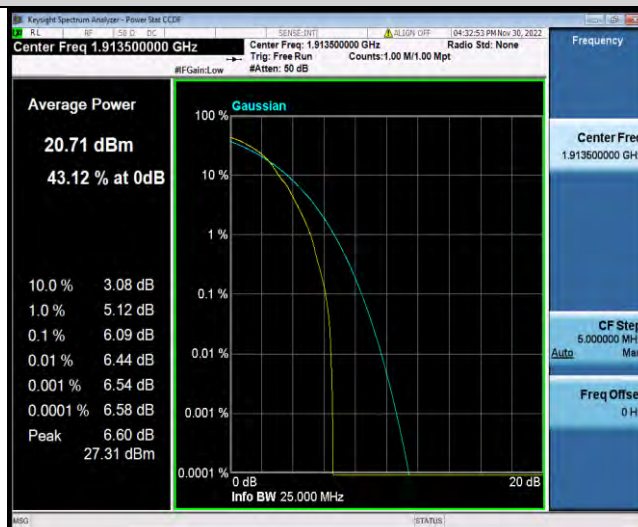
Test Report No.: W7L-P22110036RF05



Band25-3MHz-64QAM-26365-15RB#0



Band25-3MHz-64QAM-26675-1RB#0

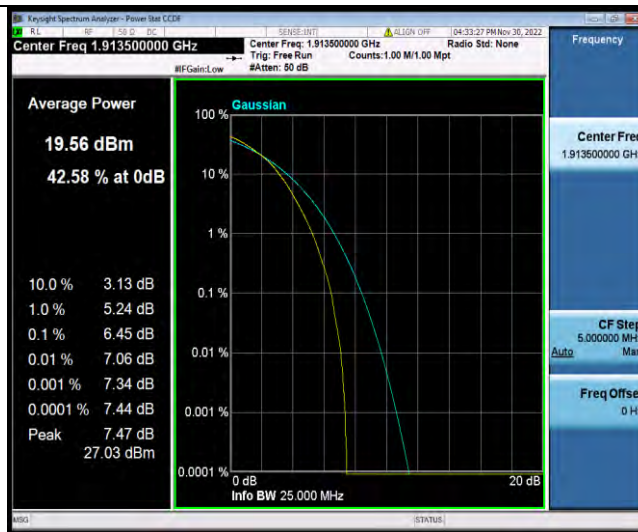


Band25-3MHz-64QAM-26675-15RB#0



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VERITAS

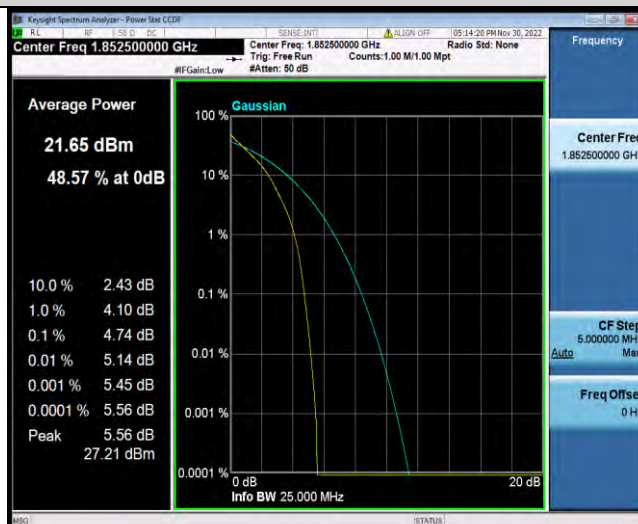
Test Report No.: W7L-P22110036RF05



Band25-5MHz-QPSK-26065-1RB#0



Band25-5MHz-QPSK-26065-25RB#0



Band25-5MHz-QPSK-26365-1RB#0



BUREAU
VERITAS

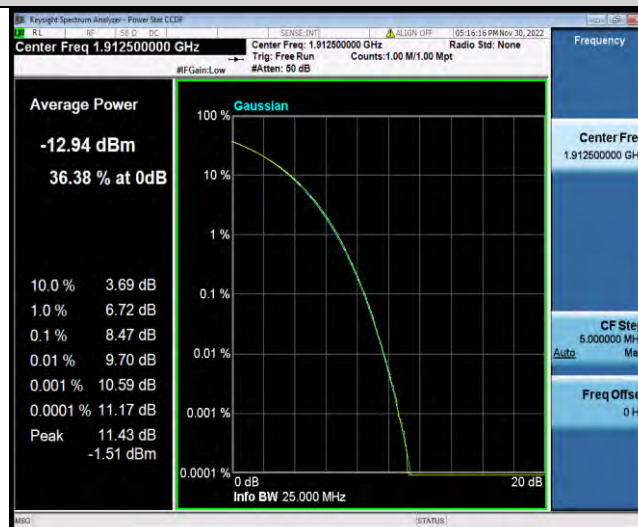
Test Report No.: W7L-P22110036RF05



Band25-5MHz-QPSK-26365-25RB#0



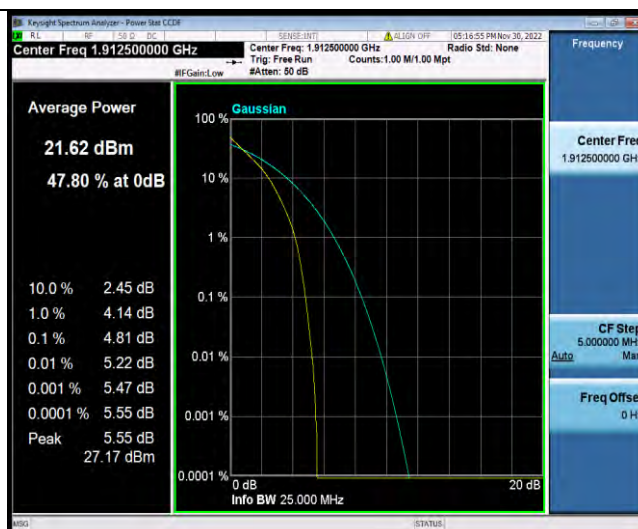
Band25-5MHz-QPSK-26665-1RB#0



Band25-5MHz-QPSK-26665-25RB#0



Test Report No.: W7L-P22110036RF05



Band25-5MHz-16QAM-26065-1RB#0



Band25-5MHz-16QAM-26065-25RB#0

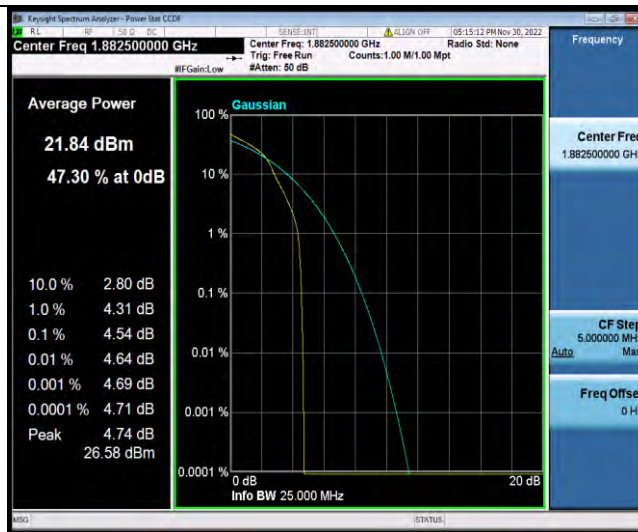


Band25-5MHz-16QAM-26365-1RB#0



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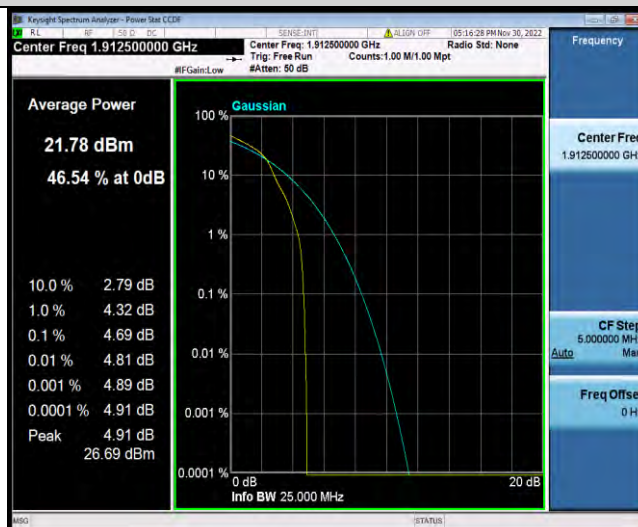
Test Report No.: W7L-P22110036RF05



Band25-5MHz-16QAM-26365-25RB#0



Band25-5MHz-16QAM-26665-1RB#0



Band25-5MHz-16QAM-26665-25RB#0



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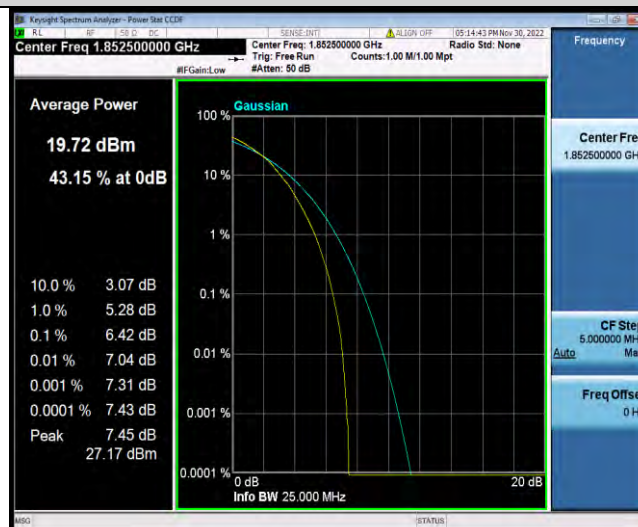
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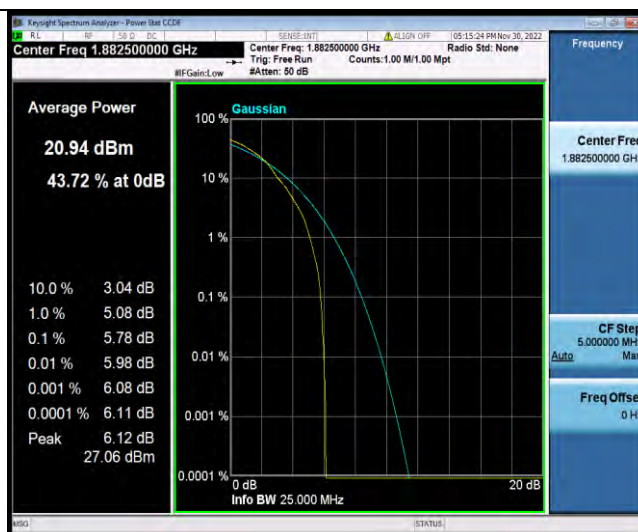


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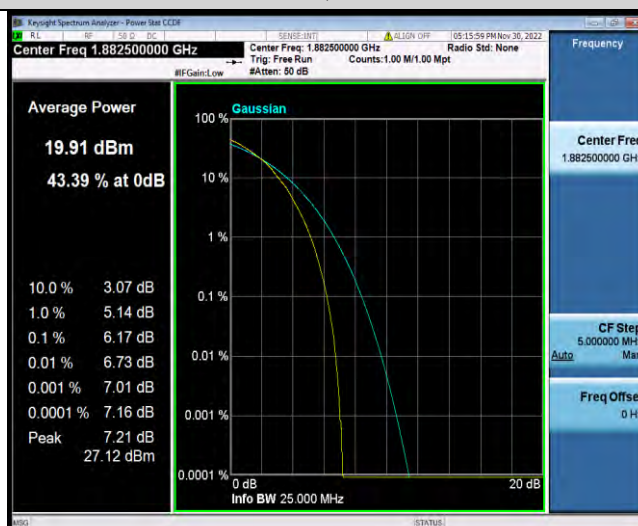


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Test Report No.: W7L-P22110036RF05



Band25-5MHz-64QAM-26365-25RB#0



Band25-5MHz-64QAM-26665-1RB#0



Band25-5MHz-64QAM-26665-25RB#0



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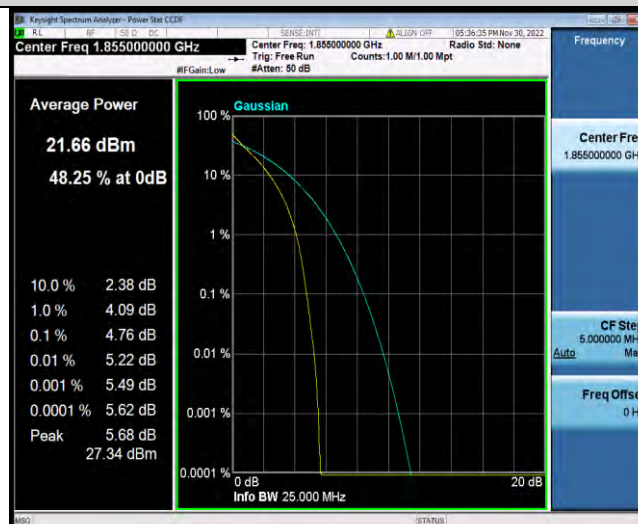
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Band25-10MHz-QPSK-26090-1RB#0



Band25-10MHz-QPSK-26090-50RB#0



Band25-10MHz-QPSK-26365-1RB#0

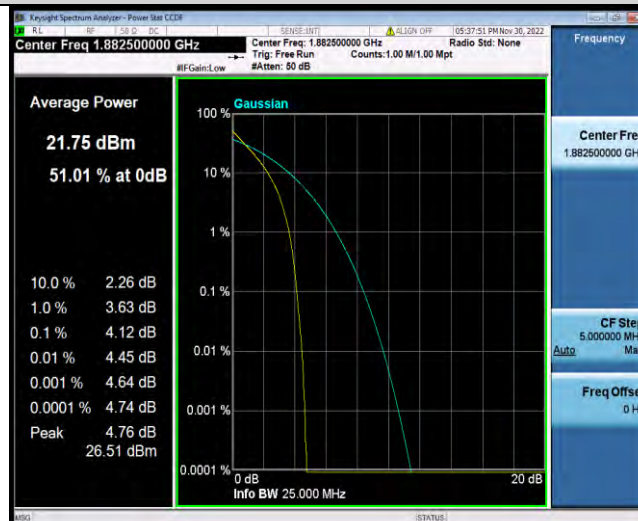


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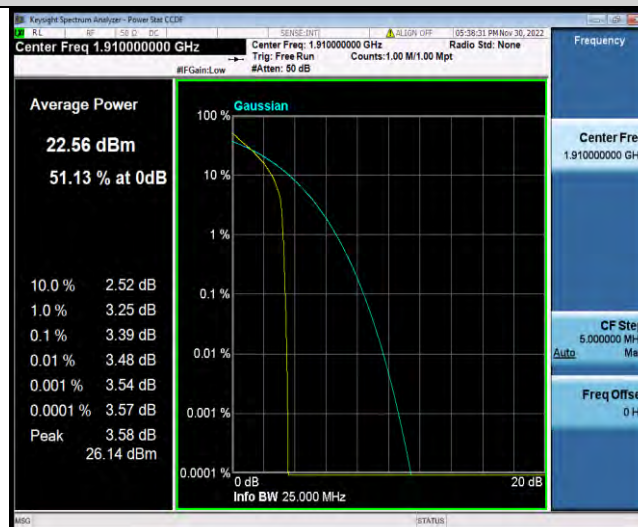
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Band25-10MHz-QPSK-26365-50RB#0



Band25-10MHz-QPSK-26640-1RB#0



Band25-10MHz-QPSK-26640-50RB#0



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VERITAS

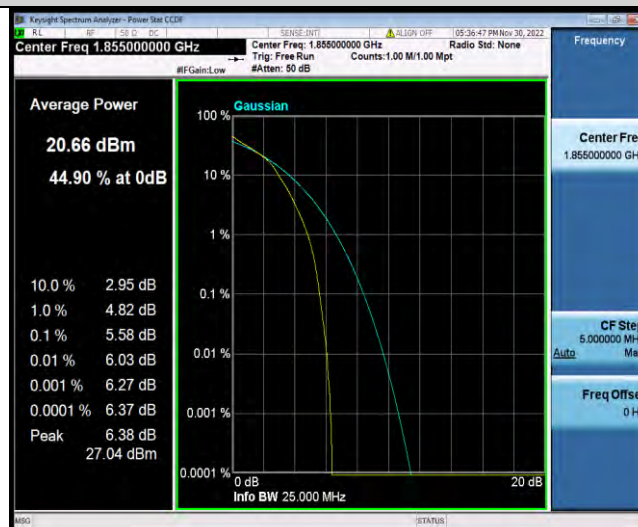
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Band25-10MHz-16QAM-26090-1RB#0



Band25-10MHz-16QAM-26090-50RB#0



Band25-10MHz-16QAM-26365-1RB#0

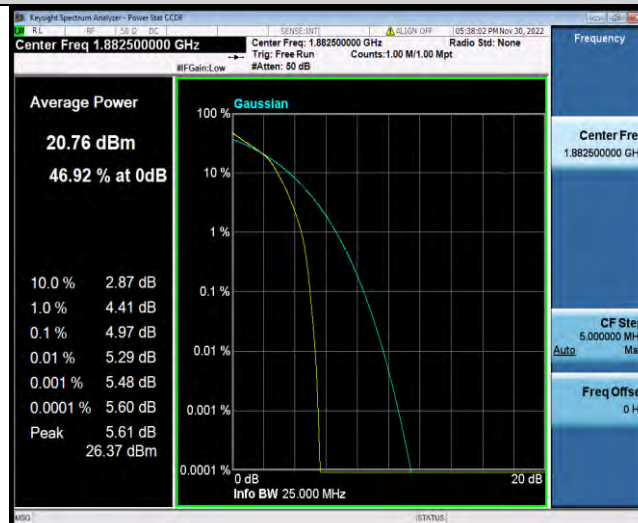


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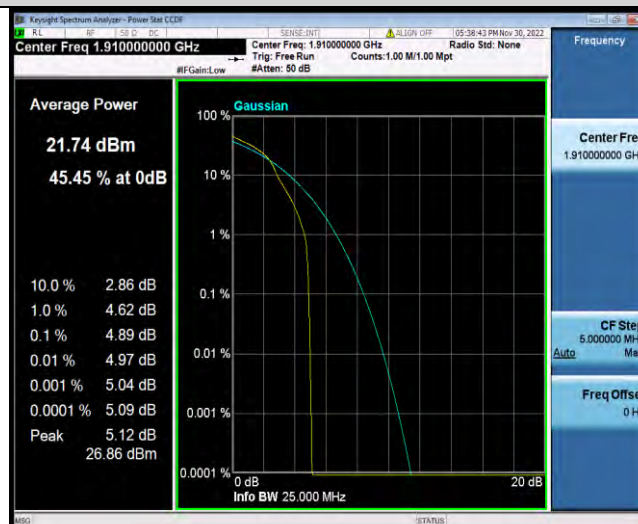
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Band25-10MHz-16QAM-26365-50RB#0



Band25-10MHz-16QAM-26640-1RB#0

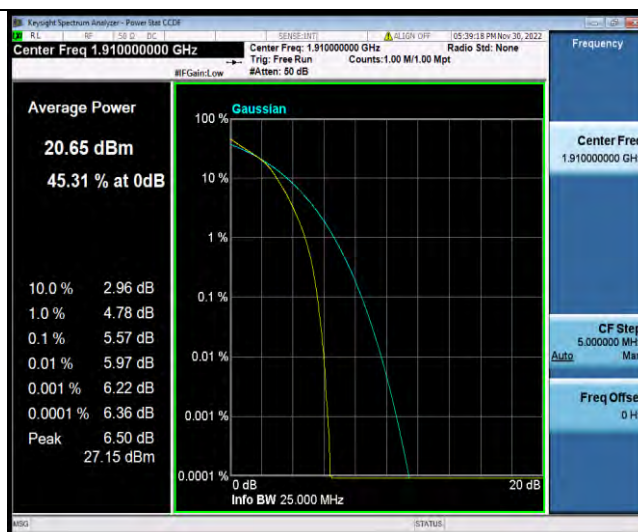


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VERITAS

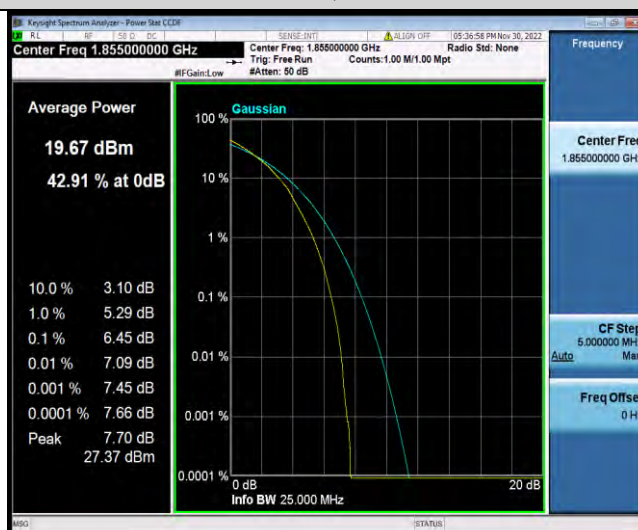
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Band25-10MHz-64QAM-26090-1RB#0



Band25-10MHz-64QAM-26090-50RB#0



Band25-10MHz-64QAM-26365-1RB#0



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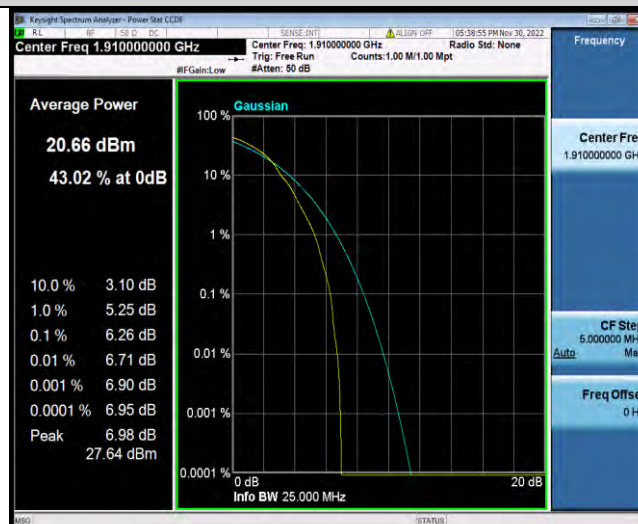
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Band25-10MHz-64QAM-26365-50RB#0



Band25-10MHz-64QAM-26640-1RB#0

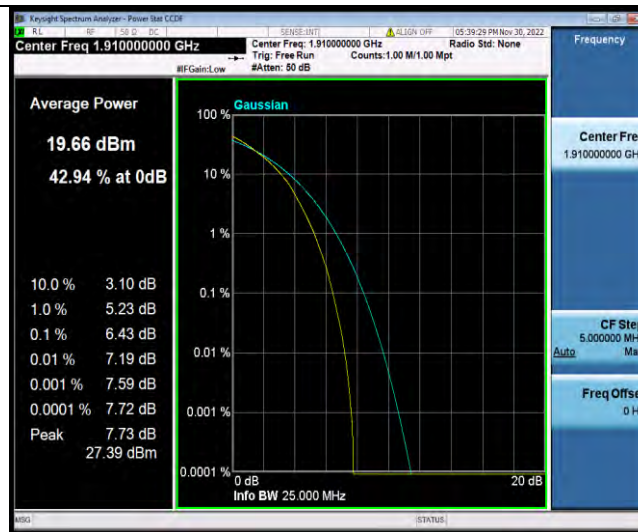


Band25-10MHz-64QAM-26640-50RB#0



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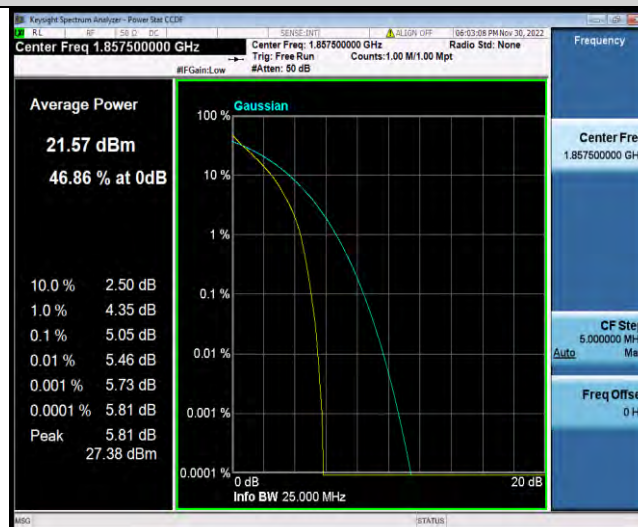
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Band25-15MHz-QPSK-26115-1RB#0



Band25-15MHz-QPSK-26115-75RB#0

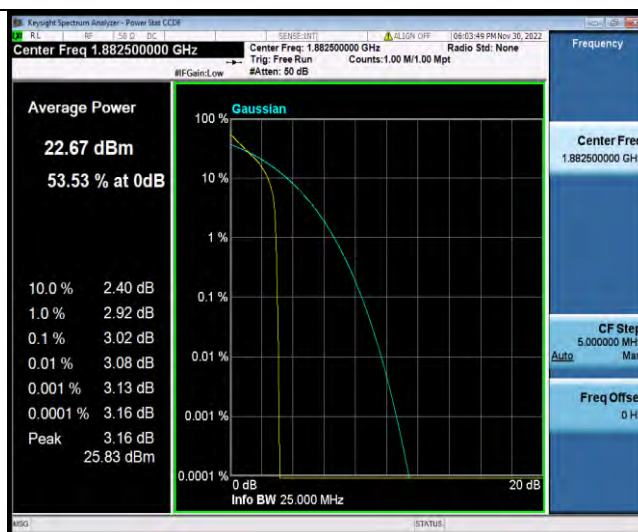


Band25-15MHz-QPSK-26365-1RB#0



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Test Report No.: W7L-P22110036RF05



Band25-15MHz-QPSK-26365-75RB#0



Band25-15MHz-QPSK-26615-1RB#0



Band25-15MHz-QPSK-26615-75RB#0

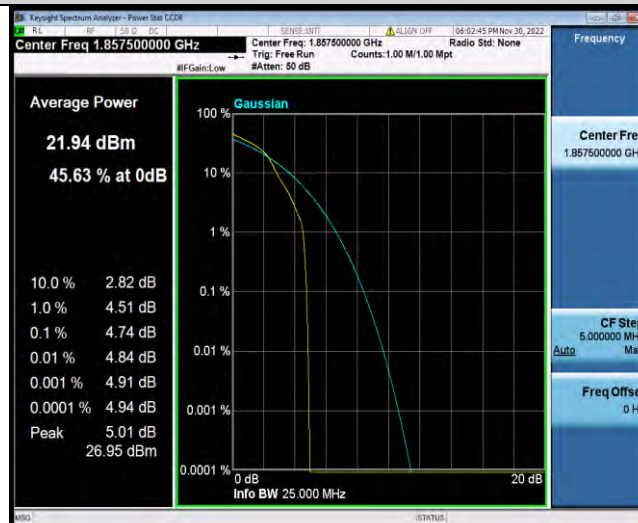


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Test Report No.: W7L-P22110036RF05



Band25-15MHz-16QAM-26115-1RB#0



Band25-15MHz-16QAM-26115-75RB#0



Band25-15MHz-16QAM-26365-1RB#0



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VERITAS

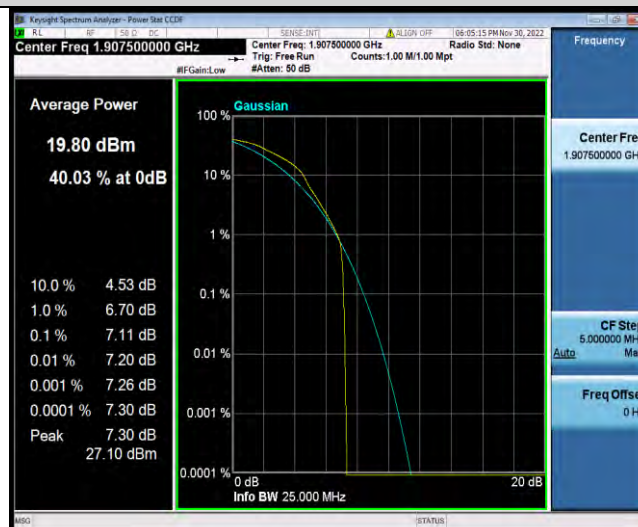
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Band25-15MHz-16QAM-26365-75RB#0



Band25-15MHz-16QAM-26615-1RB#0



Band25-15MHz-16QAM-26615-75RB#0