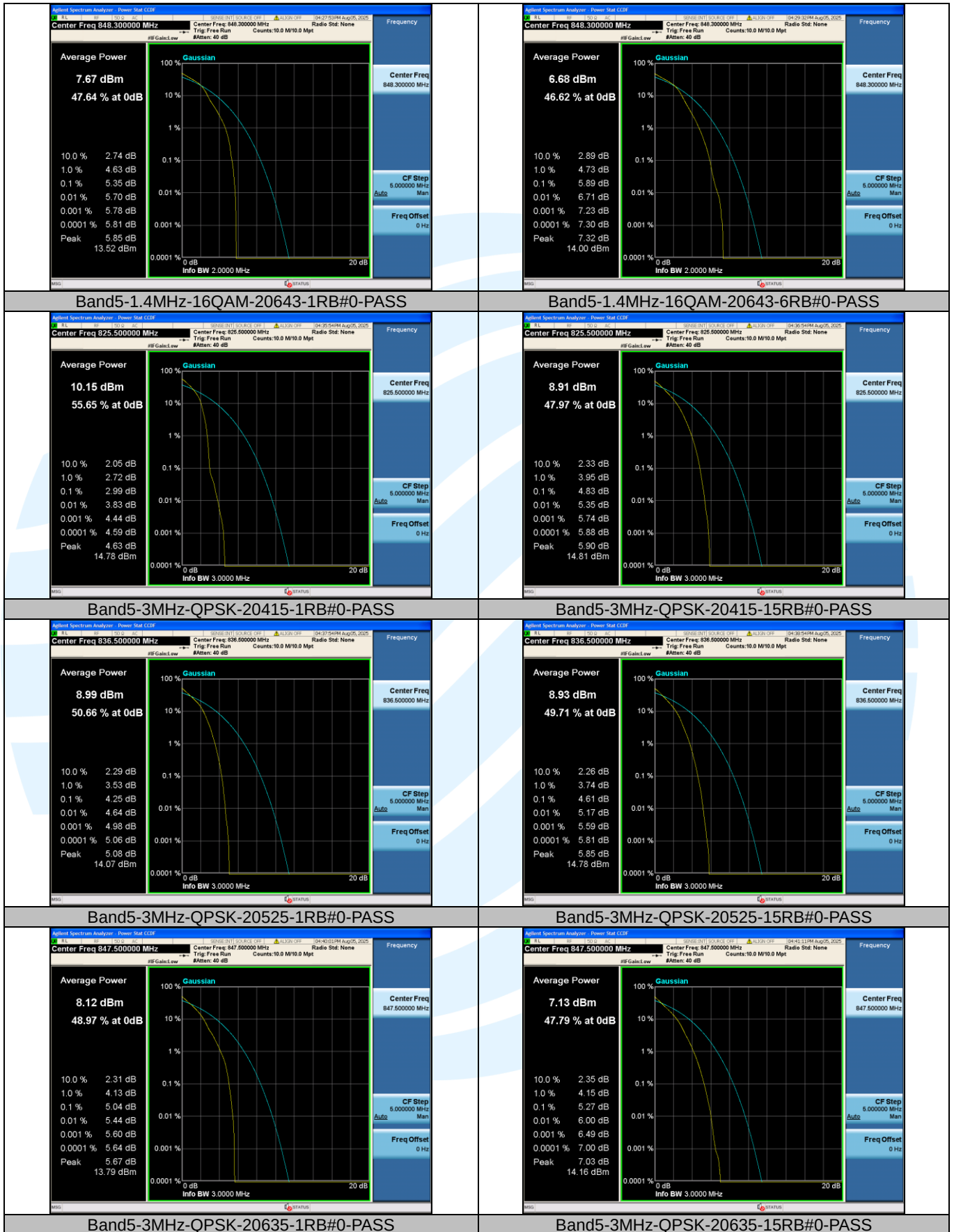
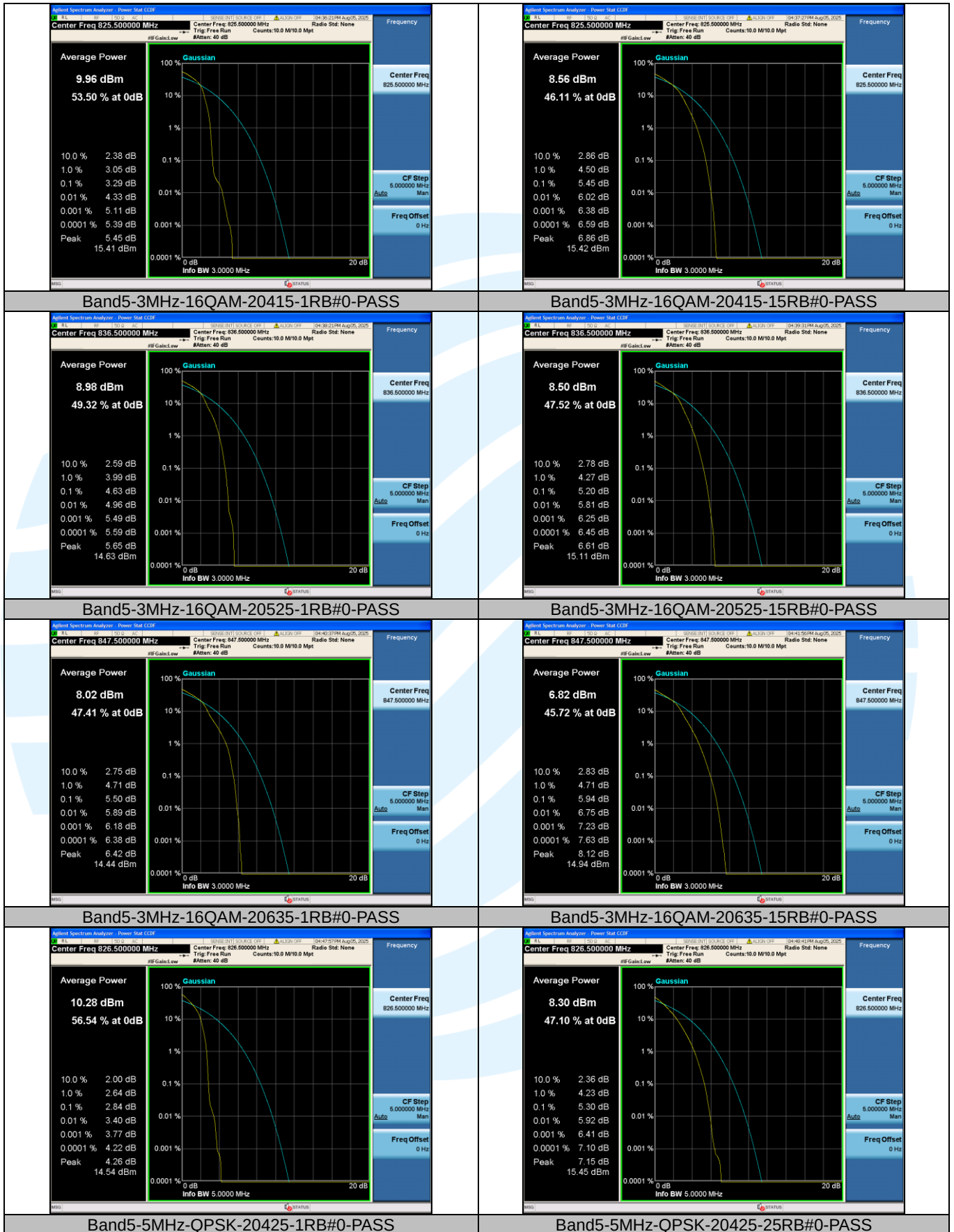
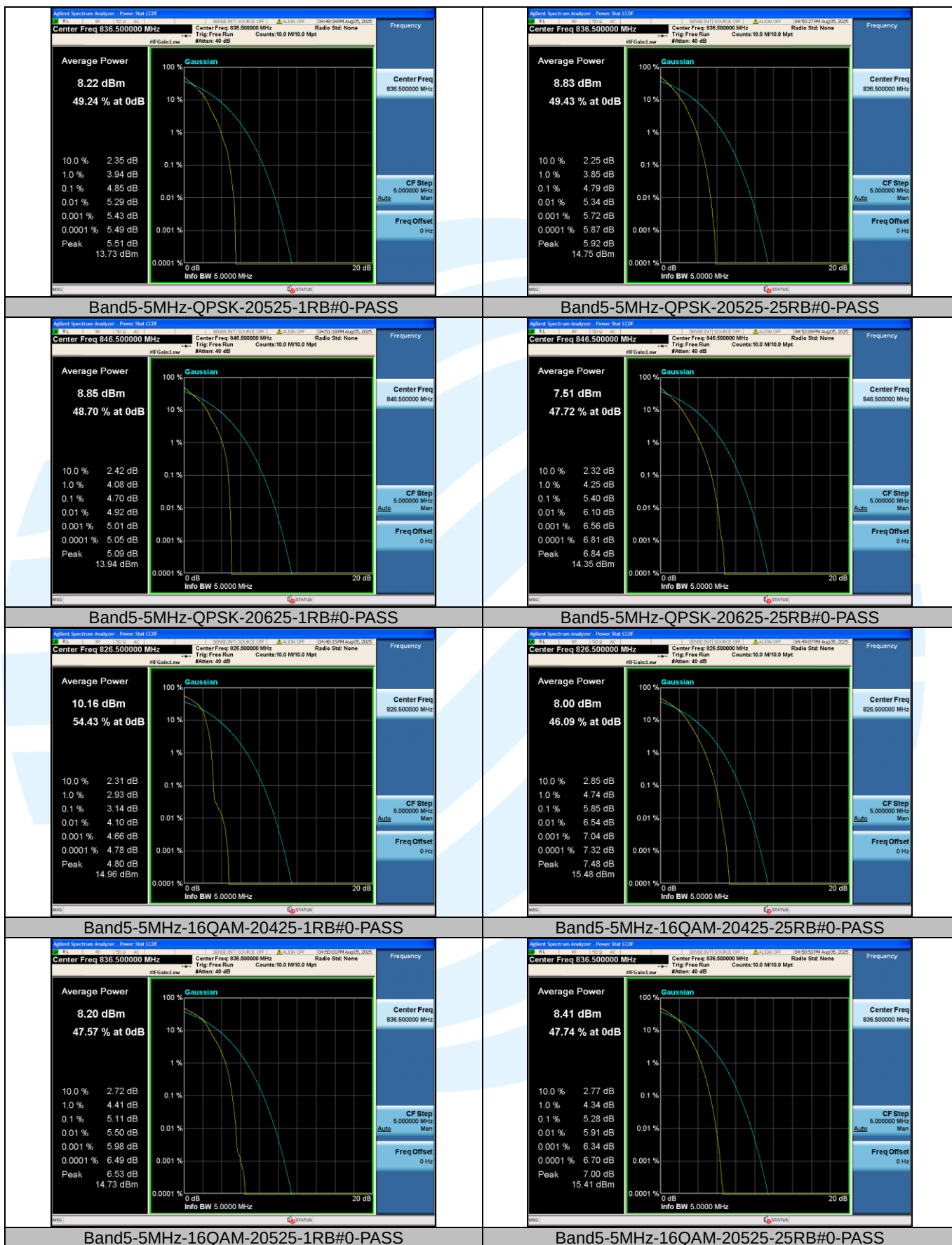
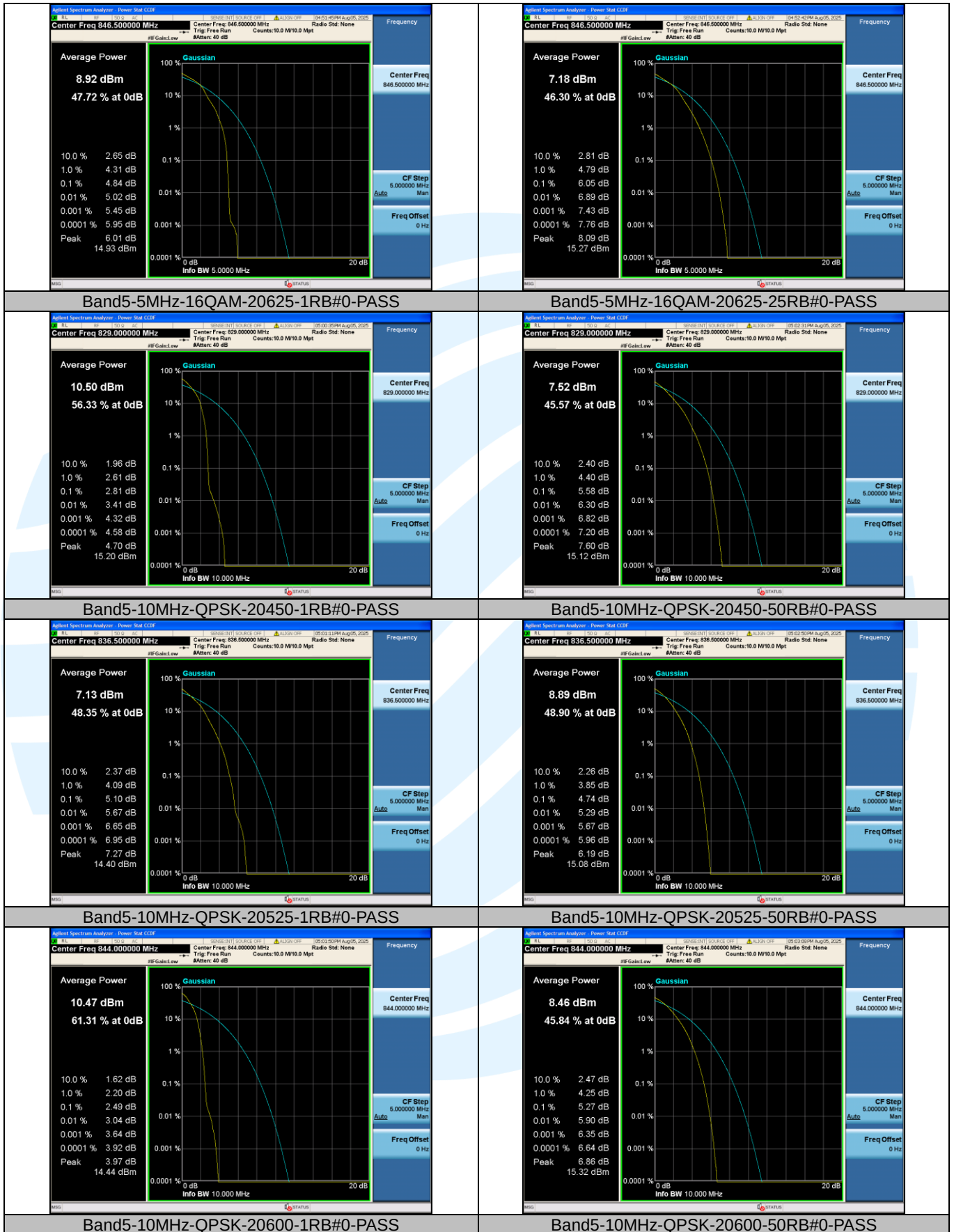
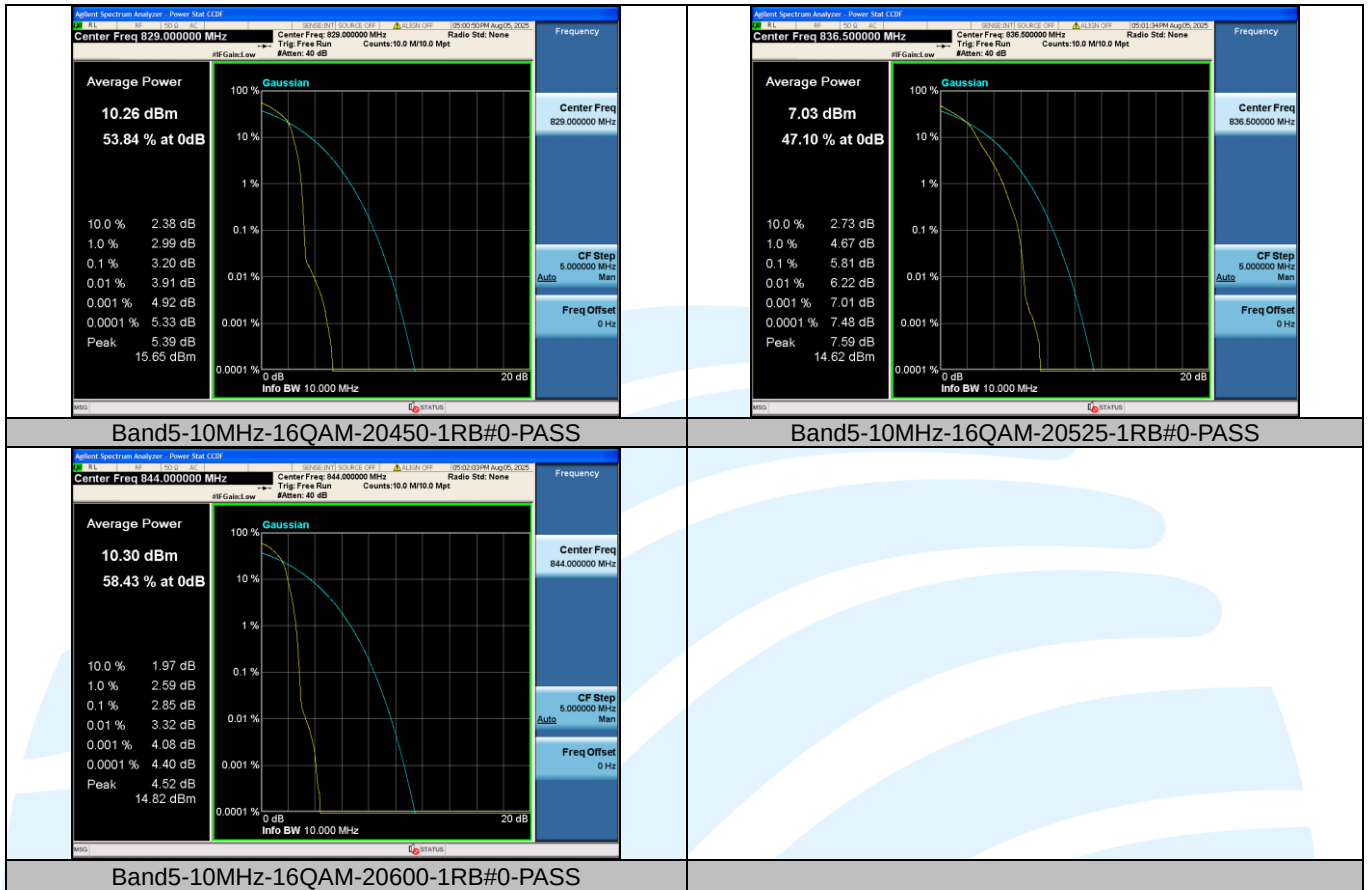












5.5 99%&26DB BANDWIDTH

Test Requirement: FCC 47 CFR Part 2.1049(h)

Test Method: ANSI C63.26-2015 & KDB 971168 D01v03r01 Section 4

Limit: No Limit, for reporting purposes only.

Test Procedure:

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer. The occupied bandwidth was measured with the spectrum analyzer at the low, middle and high channel in each band. The 99% and -26dB bandwidths was also measured and recorded.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

Test Setup: Refer to section 4.2.2 for details.

Instruments Used: Refer to section 3 for details

Test Mode: Link mode

Test Results: Pass

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.0941	1.532	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.1095	1.756	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.1261	1.829	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.1095	1.521	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.1138	1.623	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.1186	1.949	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.6899	3.180	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.7013	3.428	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.7115	3.627	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6853	3.204	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.7013	3.873	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.7073	4.012	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.4851	5.101	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.4917	5.402	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.5014	5.794	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.4945	5.162	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.5171	6.514	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.5048	6.303	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.9368	9.681	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9235	9.717	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9199	9.690	PASS
Band2	10MHz	16QAM	18650	27RB#0	5.1076	7.883	PASS
Band2	10MHz	16QAM	18900	27RB#0	5.5411	8.470	PASS
Band2	10MHz	16QAM	19150	27RB#0	5.5786	9.130	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.600	16.09	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.440	15.96	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.570	16.34	PASS
Band2	15MHz	16QAM	18675	27RB#0	5.6177	8.178	PASS
Band2	15MHz	16QAM	18900	27RB#0	6.7083	11.26	PASS
Band2	15MHz	16QAM	19125	27RB#0	8.0884	14.78	PASS
Band2	20MHz	QPSK	18700	100RB#0	18.170	21.57	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.788	20.42	PASS
Band2	20MHz	QPSK	19100	100RB#0	18.204	21.47	PASS
Band2	20MHz	16QAM	18700	27RB#0	6.5306	10.68	PASS
Band2	20MHz	16QAM	18900	27RB#0	9.6475	11.36	PASS
Band2	20MHz	16QAM	19100	27RB#0	8.3993	15.42	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	1.0973	1.446	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.1065	1.508	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0942	1.451	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.1057	1.477	PASS

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UTTR-RF-FCC4G-V1.1

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	16QAM	20175	6RB#0	1.1017	1.594	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.1069	1.475	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6953	3.100	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6919	3.183	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6912	3.117	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6891	3.132	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6974	3.282	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6859	3.156	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.4904	5.082	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.4949	5.056	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.4921	5.162	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.4916	5.118	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5173	5.593	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.4910	5.126	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9324	9.642	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9438	9.697	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9360	9.632	PASS
Band4	10MHz	16QAM	20000	27RB#0	5.4907	9.112	PASS
Band4	10MHz	16QAM	20175	27RB#0	5.2503	9.314	PASS
Band4	10MHz	16QAM	20350	27RB#0	5.1677	8.967	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.512	16.47	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.608	17.35	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.562	16.57	PASS
Band4	15MHz	16QAM	20025	27RB#0	6.8780	14.57	PASS
Band4	15MHz	16QAM	20175	27RB#0	5.7977	10.08	PASS
Band4	15MHz	16QAM	20325	27RB#0	6.2215	11.30	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.924	20.93	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.998	21.04	PASS
Band4	20MHz	QPSK	20300	100RB#0	18.102	21.16	PASS
Band4	20MHz	16QAM	20050	27RB#0	8.9229	18.62	PASS
Band4	20MHz	16QAM	20175	27RB#0	6.9338	11.90	PASS
Band4	20MHz	16QAM	20300	27RB#0	6.8257	12.19	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	1.1017	1.469	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.1002	1.474	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.1017	1.456	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.1200	1.552	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.1048	1.557	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.0920	1.458	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.6881	3.201	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.6929	3.263	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.6906	3.130	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.6870	3.097	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.6917	3.212	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.6858	3.210	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.4923	5.078	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.4787	5.071	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.5035	5.115	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.4933	5.093	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5006	6.706	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.5028	5.086	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.9989	9.717	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.9033	9.648	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.9325	9.678	PASS
Band5	10MHz	16QAM	20450	27RB#0	5.1256	6.855	PASS
Band5	10MHz	16QAM	20525	27RB#0	5.8070	9.195	PASS
Band5	10MHz	16QAM	20600	27RB#0	5.0487	7.870	PASS

