LTE Band 25 (QPSK) / 1882.5MHz / BW20M					
Temperature (°C)	Voltage (Volt)	Freq. Dev. (Hz)	Freq. Dev. (ppm)	Limit	Result
50	Normal Voltage	-0.99	-0.001	2.5ppm	PASS
40		-0.51	0.000		
30		-0.51	0.000		
20		-0.24	0.000		
10		0.55	0.000		
0		-0.45	0.000		
-10		0.91	0.000		
-20		-0.46	0.000		
-30		0.81	0.000		
20	Maximum Voltage	0.83	0.000		
20	BEP	-0.46	0.000		

LTE Band 25 (16QAM) / 1882.5MHz / BW20M					
Temperature (°C)	Voltage (Volt)	Freq. Dev. (Hz)	Freq. Dev. (ppm)	Limit	Result
50	Normal Voltage	-0.48	0.000	2.5ppm	PASS
40		0.47	0.000		
30		-0.39	0.000		
20		-1.10	-0.001		
10		-0.29	0.000		
0		0.33	0.000		
-10		0.30	0.000		
-20		-0.02	0.000		
-30		-0.52	0.000		
20	Maximum Voltage	-0.22	0.000		
20	BEP	-0.05	0.000		

LTE Band 26 (QPSK) / 819MHz / BW10M					
Temperature (°C)	Voltage (Volt)	Freq. Dev. (Hz)	Freq. Dev. (ppm)	Limit	Result
50	Normal Voltage	0.04	0.000	2.5ppm	PASS
40		-0.08	0.000		
30		-0.04	0.000		
20		-1.43	-0.002		
10		-0.02	0.000		
0		0.00	0.000		
-10		-0.30	0.000		
-20		0.03	0.000		
-30		-0.28	0.000		
20	Maximum Voltage	-0.11	0.000		
20	BEP	-0.11	0.000		

LTE Band 26 (16QAM) / 819MHz / BW10M					
Temperature (°C)	Voltage (Volt)	Freq. Dev. (Hz)	Freq. Dev. (ppm)	Limit	Result
50	Normal Voltage	1.08	0.001	2.5ppm	PASS
40		1.09	0.001		
30		1.00	0.001		
20		-3.40	-0.004		
10		-1.14	-0.001		
0		1.17	0.001		
-10		1.08	0.001		
-20		-0.68	-0.001		
-30		-0.75	-0.001		
20	Maximum Voltage	-1.37	-0.002		
20	BEP	0.54	0.001		

LTE Band 26 (QPSK) / 836.5MHz / BW15M					
Temperature (°C)	Voltage (Volt)	Freq. Dev. (Hz)	Freq. Dev. (ppm)	Limit	Result
50	Normal Voltage	-0.16	0.000	2.5ppm	PASS
40		0.47	0.001		
30		0.27	0.000		
20		-2.10	-0.003		
10		0.41	0.000		
0		0.10	0.000		
-10		-0.47	-0.001		
-20		-0.39	0.000		
-30		0.24	0.000		
20	Maximum Voltage	0.13	0.000		
20	BEP	0.15	0.000		

LTE Band 26 (16QAM) / 836.5MHz / BW15M					
Temperature (°C)	Voltage (Volt)	Freq. Dev. (Hz)	Freq. Dev. (ppm)	Limit	Result
50	Normal Voltage	-1.56	-0.002	2.5ppm	PASS
40		-1.66	-0.002		
30		1.82	0.002		
20		-4.94	-0.006		
10		-1.77	-0.002		
0		1.81	0.002		
-10		-1.38	-0.002		
-20		-1.77	-0.002		
-30		1.87	0.002		
20	Maximum Voltage	-2.77	-0.003		
20	BEP	-2.84	-0.003		

LTE Band 38 (QPSK) / 2595MHz / BW20M					
Temperature (°C)	Voltage (Volt)	Freq. Dev. (Hz)	Freq. Dev. (ppm)	Limit	Result
50	Normal Voltage	-1.19	0.000	2.5ppm	PASS
40		-1.42	-0.001		
30		1.68	0.001		
20		-4.51	-0.002		
10		-1.36	-0.001		
0		-1.46	-0.001		
-10		1.44	0.001		
-20		1.64	0.001		
-30		1.57	0.001		
20	Maximum Voltage	0.66	0.000		
20	BEP	0.64	0.000		

LTE Band 38 (16QAM) / 2595MHz / BW20M					
Temperature (°C)	Voltage (Volt)	Freq. Dev. (Hz)	Freq. Dev. (ppm)	Limit	Result
50	Normal Voltage	-1.28	0.000	2.5ppm	PASS
40		-1.05	0.000		
30		0.82	0.000		
20		0.34	0.000		
10		-1.01	0.000		
0		-1.03	0.000		
-10		0.78	0.000		
-20		-1.07	0.000		
-30		0.89	0.000		
20	Maximum Voltage	-0.62	0.000		
20	BEP	1.94	0.001		

Band40(2305-2315) (QPSK) / 2310MHz / BW10M					
Temperature (°C)	Voltage (Volt)	Freq. Dev. (Hz)	Freq. Dev. (ppm)	Limit	Result
50	Normal Voltage	-1.23	-0.001	2.5ppm	PASS
40		-0.93	0.000		
30		1.45	0.001		
20		0.72	0.000		
10		1.03	0.000		
0		-0.98	0.000		
-10		1.47	0.001		
-20		1.28	0.001		
-30		1.08	0.000		
20	Maximum Voltage	2.10	0.001		
20	BEP	-0.50	0.000		

Band40(2305-2315) (16QAM) / 2310MHz / BW10M					
Temperature (°C)	Voltage (Volt)	Freq. Dev. (Hz)	Freq. Dev. (ppm)	Limit	Result
50	Normal Voltage	-1.61	-0.001	2.5ppm	PASS
40		1.70	0.001		
30		1.60	0.001		
20		1.63	0.001		
10		1.85	0.001		
0		1.66	0.001		
-10		1.73	0.001		
-20		-1.49	-0.001		
-30		-1.63	-0.001		
20	Maximum Voltage	-0.90	0.000		
20	BEP	-0.76	0.000		

Band40(2350-2360)(QPSK) / 2355MHz / BW10M					
Temperature (°C)	Voltage (Volt)	Freq. Dev. (Hz)	Freq. Dev. (ppm)	Limit	Result
50	Normal Voltage	-0.42	0.000	2.5ppm	PASS
40		-0.81	0.000		
30		0.93	0.000		
20		-0.36	0.000		
10		0.70	0.000		
0		0.41	0.000		
-10		0.74	0.000		
-20		0.77	0.000		
-30		0.46	0.000		
20	Maximum Voltage	1.26	0.001		
20	BEP	1.24	0.001		

Band40(2350-2360)(16QAM) / 2355MHz / BW10M					
Temperature (°C)	Voltage (Volt)	Freq. Dev. (Hz)	Freq. Dev. (ppm)	Limit	Result
50	Normal Voltage	-2.26	-0.001	2.5ppm	PASS
40		1.96	0.001		
30		2.09	0.001		
20		2.39	0.001		
10		2.22	0.001		
0		1.96	0.001		
-10		2.08	0.001		
-20		-2.17	-0.001		
-30		2.21	0.001		
20	Maximum Voltage	-1.07	0.000		
20	BEP	-1.04	0.000		

LTE Band 41 (QPSK) / 2593MHz / BW20M					
Temperature (°C)	Voltage (Volt)	Freq. Dev. (Hz)	Freq. Dev. (ppm)	Limit	Result
50	Normal Voltage	-0.09	0.000	2.5ppm	PASS
40		-0.01	0.000		
30		-0.02	0.000		
20		-1.92	-0.001		
10		-0.25	0.000		
0		-0.05	0.000		
-10		-0.04	0.000		
-20		0.05	0.000		
-30		0.02	0.000		
20	Maximum Voltage	0.07	0.000		
20	BEP	0.01	0.000		

LTE Band 41 (16QAM) / 2593MHz / BW20M					
Temperature (°C)	Voltage (Volt)	Freq. Dev. (Hz)	Freq. Dev. (ppm)	Limit	Result
50	Normal Voltage	0.77	0.000	2.5ppm	PASS
40		0.73	0.000		
30		0.83	0.000		
20		-0.31	0.000		
10		0.56	0.000		
0		0.58	0.000		
-10		0.90	0.000		
-20		-0.95	0.000		
-30		-0.83	0.000		
20	Maximum Voltage	0.74	0.000		
20	BEP	-0.44	0.000		

LTE Band 66 (QPSK) / 1745MHz / BW20M					
Temperature (°C)	Voltage (Volt)	Freq. Dev. (Hz)	Freq. Dev. (ppm)	Limit	Result
50	Normal Voltage	0.94	0.001	2.5ppm	PASS
40		0.37	0.000		
30		0.78	0.000		
20		-2.96	-0.002		
10		0.95	0.001		
0		0.38	0.000		
-10		0.44	0.000		
-20		0.83	0.000		
-30		-0.94	-0.001		
20	Maximum Voltage	0.19	0.000		
20	BEP	-0.96	-0.001		

LTE Band 66 (16QAM) / 1745MHz / BW20M					
Temperature (°C)	Voltage (Volt)	Freq. Dev. (Hz)	Freq. Dev. (ppm)	Limit	Result
50	Normal Voltage	-1.40	-0.001	2.5ppm	PASS
40		-0.93	-0.001		
30		1.05	0.001		
20		-3.89	-0.002		
10		-0.95	-0.001		
0		-0.91	-0.001		
-10		-1.32	-0.001		
-20		0.88	0.001		
-30		1.12	0.001		
20	Maximum Voltage	-1.80	-0.001		
20	BEP	-1.96	-0.001		

Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band2	1.4	18607	1	#0	QPSK	5.02	13	PASS
Band2	1.4	18607	1	#0	16QAM	6.00	13	PASS
Band2	1.4	18900	1	#0	QPSK	4.46	13	PASS
Band2	1.4	18900	1	#0	16QAM	5.43	13	PASS
Band2	1.4	19193	1	#0	QPSK	4.75	13	PASS
Band2	1.4	19193	1	#0	16QAM	5.58	13	PASS
Band2	3	18615	1	#0	QPSK	6.64	13	PASS
Band2	3	18615	1	#0	16QAM	5.78	13	PASS
Band2	3	18900	1	#0	QPSK	4.30	13	PASS
Band2	3	18900	1	#0	16QAM	5.13	13	PASS
Band2	3	19185	1	#0	QPSK	4.62	13	PASS
Band2	3	19185	1	#0	16QAM	5.59	13	PASS
Band2	5	18625	1	#0	QPSK	4.38	13	PASS
Band2	5	18625	1	#0	16QAM	5.18	13	PASS
Band2	5	18900	1	#0	QPSK	3.99	13	PASS
Band2	5	18900	1	#0	16QAM	4.87	13	PASS
Band2	5	19175	1	#0	QPSK	3.90	13	PASS
Band2	5	19175	1	#0	16QAM	5.00	13	PASS
Band2	10	18650	1	#0	QPSK	4.45	13	PASS
Band2	10	18650	1	#0	16QAM	5.18	13	PASS
Band2	10	18900	1	#0	QPSK	3.88	13	PASS
Band2	10	18900	1	#0	16QAM	4.80	13	PASS
Band2	10	19150	1	#0	QPSK	4.00	13	PASS
Band2	10	19150	1	#0	16QAM	10.53	13	PASS
Band2	15	18675	1	#0	QPSK	4.42	13	PASS
Band2	15	18675	1	#0	16QAM	5.96	13	PASS
Band2	15	18900	1	#0	QPSK	3.47	13	PASS
Band2	15	18900	1	#0	16QAM	4.37	13	PASS
Band2	15	19125	1	#0	QPSK	4.73	13	PASS
Band2	15	19125	1	#0	16QAM	5.71	13	PASS
Band2	20	18700	1	#0	QPSK	4.39	13	PASS
Band2	20	18700	1	#0	16QAM	5.18	13	PASS
Band2	20	18900	1	#0	QPSK	4.11	13	PASS
Band2	20	18900	1	#0	16QAM	4.89	13	PASS
Band2	20	19100	1	#0	QPSK	4.56	13	PASS
Band2	20	19100	1	#0	16QAM	9.95	13	PASS
Band4	1.4	19957	1	#0	QPSK	4.49	13	PASS
Band4	1.4	19957	1	#0	16QAM	5.33	13	PASS
Band4	1.4	20175	1	#0	QPSK	12.59	13	PASS
Band4	1.4	20175	1	#0	16QAM	6.44	13	PASS
Band4	1.4	20393	1	#0	QPSK	5.29	13	PASS
Band4	1.4	20393	1	#0	16QAM	5.99	13	PASS
Band4	3	19965	1	#0	QPSK	4.37	13	PASS
Band4	3	19965	1	#0	16QAM	4.67	13	PASS
Band4	3	20175	1	#0	QPSK	9.15	13	PASS
Band4	3	20175	1	#0	16QAM	5.97	13	PASS
Band4	3	20385	1	#0	QPSK	5.33	13	PASS
Band4	3	20385	1	#0	16QAM	6.46	13	PASS
Band4	5	19975	1	#0	QPSK	4.36	13	PASS
Band4	5	19975	1	#0	16QAM	5.12	13	PASS
Band4	5	20175	1	#0	QPSK	5.44	13	PASS
Band4	5	20175	1	#0	16QAM	5.99	13	PASS
Band4	5	20375	1	#0	QPSK	5.25	13	PASS
Band4	5	20375	1	#0	16QAM	5.94	13	PASS
Band4	10	20000	1	#0	QPSK	4.27	13	PASS
Band4	10	20000	1	#0	16QAM	5.20	13	PASS
Band4	10	20175	1	#0	QPSK	4.57	13	PASS
Band4	10	20175	1	#0	16QAM	5.31	13	PASS
Band4	10	20350	1	#0	QPSK	4.47	13	PASS
Band4	10	20350	1	#0	16QAM	5.34	13	PASS
Band4	15	20025	1	#0	QPSK	3.42	13	PASS
Band4	15	20025	1	#0	16QAM	4.44	13	PASS
Band4	15	20175	1	#0	QPSK	4.83	13	PASS
Band4	15	20175	1	#0	16QAM	5.65	13	PASS
Band4	15	20325	1	#0	QPSK	4.68	13	PASS
Band4	15	20325	1	#0	16QAM	5.72	13	PASS
Band4	20	20050	1	#0	QPSK	4.23	13	PASS
Band4	20	20050	1	#0	16QAM	4.99	13	PASS
Band4	20	20175	1	#0	QPSK	5.73	13	PASS
Band4	20	20175	1	#0	16QAM	6.43	13	PASS
Band4	20	20300	1	#0	QPSK	5.07	13	PASS
Band4	20	20300	1	#0	16QAM	6.13	13	PASS

Band5	1.4	20407	1	#0	QPSK	5.17	13	PASS
Band5	1.4	20407	1	#0	16QAM	6.04	13	PASS
Band5	1.4	20525	1	#0	QPSK	5.42	13	PASS
Band5	1.4	20525	1	#0	16QAM	6.53	13	PASS
Band5	1.4	20643	1	#0	QPSK	4.86	13	PASS
Band5	1.4	20643	1	#0	16QAM	11.59	13	PASS
Band5	3	20415	1	#0	QPSK	5.63	13	PASS
Band5	3	20415	1	#0	16QAM	6.45	13	PASS
Band5	3	20525	1	#0	QPSK	4.70	13	PASS
Band5	3	20525	1	#0	16QAM	5.48	13	PASS
Band5	3	20635	1	#0	QPSK	5.67	13	PASS
Band5	3	20635	1	#0	16QAM	6.85	13	PASS
Band5	5	20425	1	#0	QPSK	5.84	13	PASS
Band5	5	20425	1	#0	16QAM	6.29	13	PASS
Band5	5	20525	1	#0	QPSK	4.80	13	PASS
Band5	5	20525	1	#0	16QAM	5.59	13	PASS
Band5	5	20625	1	#0	QPSK	6.18	13	PASS
Band5	5	20625	1	#0	16QAM	6.82	13	PASS
Band5	10	20450	1	#0	QPSK	5.58	13	PASS
Band5	10	20450	1	#0	16QAM	6.43	13	PASS
Band5	10	20525	1	#0	QPSK	5.51	13	PASS
Band5	10	20525	1	#0	16QAM	6.39	13	PASS
Band5	10	20600	1	#0	QPSK	4.89	13	PASS
Band5	10	20600	1	#0	16QAM	5.75	13	PASS
Band7	5	20775	1	#0	QPSK	4.12	13	PASS
Band7	5	20775	1	#0	16QAM	4.83	13	PASS
Band7	5	21100	1	#0	QPSK	3.92	13	PASS
Band7	5	21100	1	#0	16QAM	4.83	13	PASS
Band7	5	21425	1	#0	QPSK	3.08	13	PASS
Band7	5	21425	1	#0	16QAM	3.63	13	PASS
Band7	10	20800	1	#0	QPSK	4.11	13	PASS
Band7	10	20800	1	#0	16QAM	4.99	13	PASS
Band7	10	21100	1	#0	QPSK	3.72	13	PASS
Band7	10	21100	1	#0	16QAM	4.59	13	PASS
Band7	10	21400	1	#0	QPSK	2.88	13	PASS
Band7	10	21400	1	#0	16QAM	3.82	13	PASS
Band7	15	20825	1	#0	QPSK	4.07	13	PASS
Band7	15	20825	1	#0	16QAM	4.98	13	PASS
Band7	15	21100	1	#0	QPSK	3.59	13	PASS
Band7	15	21100	1	#0	16QAM	4.49	13	PASS
Band7	15	21375	1	#0	QPSK	3.15	13	PASS
Band7	15	21375	1	#0	16QAM	4.06	13	PASS
Band7	20	20850	1	#0	QPSK	4.19	13	PASS
Band7	20	20850	1	#0	16QAM	5.07	13	PASS
Band7	20	21100	1	#0	QPSK	3.35	13	PASS
Band7	20	21100	1	#0	16QAM	4.18	13	PASS
Band7	20	21350	1	#0	QPSK	3.36	13	PASS
Band7	20	21350	1	#0	16QAM	4.29	13	PASS
Band12	1.4	23017	1	#0	QPSK	3.71	13	PASS
Band12	1.4	23017	1	#0	16QAM	4.70	13	PASS
Band12	1.4	23095	1	#0	QPSK	2.71	13	PASS
Band12	1.4	23095	1	#0	16QAM	3.63	13	PASS
Band12	1.4	23173	1	#0	QPSK	1.16	13	PASS
Band12	1.4	23173	1	#0	16QAM	1.61	13	PASS
Band12	3	23025	1	#0	QPSK	3.68	13	PASS
Band12	3	23025	1	#0	16QAM	4.47	13	PASS
Band12	3	23095	1	#0	QPSK	2.53	13	PASS
Band12	3	23095	1	#0	16QAM	3.43	13	PASS
Band12	3	23165	1	#0	QPSK	2.83	13	PASS
Band12	3	23165	1	#0	16QAM	3.84	13	PASS
Band12	5	23035	1	#0	QPSK	3.75	13	PASS
Band12	5	23035	1	#0	16QAM	4.58	13	PASS
Band12	5	23095	1	#0	QPSK	2.57	13	PASS
Band12	5	23095	1	#0	16QAM	3.34	13	PASS
Band12	5	23155	1	#0	QPSK	4.26	13	PASS
Band12	5	23155	1	#0	16QAM	4.97	13	PASS
Band12	10	23060	1	#0	QPSK	3.73	13	PASS
Band12	10	23060	1	#0	16QAM	4.68	13	PASS
Band12	10	23095	1	#0	QPSK	3.19	13	PASS
Band12	10	23095	1	#0	16QAM	3.98	13	PASS
Band12	10	23130	1	#0	QPSK	2.43	13	PASS
Band12	10	23130	1	#0	16QAM	3.38	13	PASS
Band13	5	23205	1	#0	QPSK	3.56	13	PASS
Band13	5	23205	1	#0	16QAM	4.47	13	PASS
Band13	5	23230	1	#0	QPSK	3.21	13	PASS
Band13	5	23230	1	#0	16QAM	4.00	13	PASS
Band13	5	23255	1	#0	QPSK	4.05	13	PASS

Band13	5	23255	1	#0	16QAM	4.76	13	PASS
Band13	10	23230	1	#0	QPSK	3.33	13	PASS
Band13	10	23230	1	#0	16QAM	4.21	13	PASS
Band17	5	23755	1	#0	QPSK	4.32	13	PASS
Band17	5	23755	1	#0	16QAM	5.02	13	PASS
Band17	5	23790	1	#0	QPSK	4.11	13	PASS
Band17	5	23790	1	#0	16QAM	4.82	13	PASS
Band17	5	23825	1	#0	QPSK	4.46	13	PASS
Band17	5	23825	1	#0	16QAM	5.23	13	PASS
Band17	10	23780	1	#0	QPSK	4.10	13	PASS
Band17	10	23780	1	#0	16QAM	4.88	13	PASS
Band17	10	23790	1	#0	QPSK	4.02	13	PASS
Band17	10	23790	1	#0	16QAM	4.90	13	PASS
Band17	10	23800	1	#0	QPSK	3.97	13	PASS
Band17	10	23800	1	#0	16QAM	4.90	13	PASS
Band25	1.4	26047	1	#0	QPSK	4.50	13	PASS
Band25	1.4	26047	1	#0	16QAM	5.43	13	PASS
Band25	1.4	26365	1	#0	QPSK	4.43	13	PASS
Band25	1.4	26365	1	#0	16QAM	5.27	13	PASS
Band25	1.4	26683	1	#0	QPSK	2.78	13	PASS
Band25	1.4	26683	1	#0	16QAM	3.87	13	PASS
Band25	3	26055	1	#0	QPSK	4.48	13	PASS
Band25	3	26055	1	#0	16QAM	5.32	13	PASS
Band25	3	26365	1	#0	QPSK	4.39	13	PASS
Band25	3	26365	1	#0	16QAM	5.28	13	PASS
Band25	3	26675	1	#0	QPSK	3.56	13	PASS
Band25	3	26675	1	#0	16QAM	4.63	13	PASS
Band25	5	26065	1	#0	QPSK	4.42	13	PASS
Band25	5	26065	1	#0	16QAM	5.36	13	PASS
Band25	5	26365	1	#0	QPSK	4.29	13	PASS
Band25	5	26365	1	#0	16QAM	5.06	13	PASS
Band25	5	26665	1	#0	QPSK	4.18	13	PASS
Band25	5	26665	1	#0	16QAM	4.99	13	PASS
Band25	10	26090	1	#0	QPSK	4.39	13	PASS
Band25	10	26090	1	#0	16QAM	5.45	13	PASS
Band25	10	26365	1	#0	QPSK	4.05	13	PASS
Band25	10	26365	1	#0	16QAM	4.85	13	PASS
Band25	10	26640	1	#0	QPSK	3.83	13	PASS
Band25	10	26640	1	#0	16QAM	4.70	13	PASS
Band25	15	26115	1	#0	QPSK	4.39	13	PASS
Band25	15	26115	1	#0	16QAM	5.37	13	PASS
Band25	15	26365	1	#0	QPSK	3.95	13	PASS
Band25	15	26365	1	#0	16QAM	4.80	13	PASS
Band25	15	26615	1	#0	QPSK	4.03	13	PASS
Band25	15	26615	1	#0	16QAM	4.97	13	PASS
Band25	20	26140	1	#0	QPSK	4.37	13	PASS
Band25	20	26140	1	#0	16QAM	5.20	13	PASS
Band25	20	26365	1	#0	QPSK	4.02	13	PASS
Band25	20	26365	1	#0	16QAM	4.82	13	PASS
Band25	20	26590	1	#0	QPSK	4.87	13	PASS
Band25	20	26590	1	#0	16QAM	5.81	13	PASS
Band26(814-824)	1.4	26697	1	#0	QPSK	5.19	13	PASS
Band26(814-824)	1.4	26697	1	#0	16QAM	6.06	13	PASS
Band26(814-824)	1.4	26740	1	#0	QPSK	5.64	13	PASS
Band26(814-824)	1.4	26740	1	#0	16QAM	6.71	13	PASS
Band26(814-824)	1.4	26783	1	#0	QPSK	4.95	13	PASS
Band26(814-824)	1.4	26783	1	#0	16QAM	5.69	13	PASS
Band26(814-824)	3	26705	1	#0	QPSK	4.99	13	PASS
Band26(814-824)	3	26705	1	#0	16QAM	5.71	13	PASS
Band26(814-824)	3	26740	1	#0	QPSK	5.55	13	PASS
Band26(814-824)	3	26740	1	#0	16QAM	6.49	13	PASS
Band26(814-824)	3	26775	1	#0	QPSK	5.34	13	PASS
Band26(814-824)	3	26775	1	#0	16QAM	6.38	13	PASS
Band26(814-824)	5	26715	1	#0	QPSK	4.98	13	PASS
Band26(814-824)	5	26715	1	#0	16QAM	5.60	13	PASS
Band26(814-824)	5	26740	1	#0	QPSK	5.19	13	PASS
Band26(814-824)	5	26740	1	#0	16QAM	5.97	13	PASS
Band26(814-824)	5	26765	1	#0	QPSK	5.84	13	PASS
Band26(814-824)	5	26765	1	#0	16QAM	6.36	13	PASS
Band26(814-824)	10	26740	1	#0	QPSK	5.04	13	PASS
Band26(814-824)	10	26740	1	#0	16QAM	6.06	13	PASS
Band26(824-849)	1.4	26797	1	#0	QPSK	4.90	13	PASS
Band26(824-849)	1.4	26797	1	#0	16QAM	5.96	13	PASS
Band26(824-849)	1.4	26915	1	#0	QPSK	5.25	13	PASS
Band26(824-849)	1.4	26915	1	#0	16QAM	5.98	13	PASS
Band26(824-849)	1.4	27033	1	#0	QPSK	5.13	13	PASS
Band26(824-849)	1.4	27033	1	#0	16QAM	5.95	13	PASS

Band26(824-849)	3	26805	1	#0	QPSK	4.93	13	PASS
Band26(824-849)	3	26805	1	#0	16QAM	5.88	13	PASS
Band26(824-849)	3	26915	1	#0	QPSK	5.34	13	PASS
Band26(824-849)	3	26915	1	#0	16QAM	6.23	13	PASS
Band26(824-849)	3	27025	1	#0	QPSK	4.48	13	PASS
Band26(824-849)	3	27025	1	#0	16QAM	5.31	13	PASS
Band26(824-849)	5	26815	1	#0	QPSK	5.13	13	PASS
Band26(824-849)	5	26815	1	#0	16QAM	5.69	13	PASS
Band26(824-849)	5	26915	1	#0	QPSK	5.06	13	PASS
Band26(824-849)	5	26915	1	#0	16QAM	5.73	13	PASS
Band26(824-849)	5	27015	1	#0	QPSK	4.36	13	PASS
Band26(824-849)	5	27015	1	#0	16QAM	5.08	13	PASS
Band26(824-849)	10	26840	1	#0	QPSK	4.87	13	PASS
Band26(824-849)	10	26840	1	#0	16QAM	5.80	13	PASS
Band26(824-849)	10	26915	1	#0	QPSK	5.11	13	PASS
Band26(824-849)	10	26915	1	#0	16QAM	6.10	13	PASS
Band26(824-849)	10	26990	1	#0	QPSK	5.58	13	PASS
Band26(824-849)	10	26990	1	#0	16QAM	6.25	13	PASS
Band26(824-849)	15	26865	1	#0	QPSK	4.92	13	PASS
Band26(824-849)	15	26865	1	#0	16QAM	5.81	13	PASS
Band26(824-849)	15	26915	1	#0	QPSK	5.17	13	PASS
Band26(824-849)	15	26915	1	#0	16QAM	6.23	13	PASS
Band26(824-849)	15	26965	1	#0	QPSK	5.13	13	PASS
Band26(824-849)	15	26965	1	#0	16QAM	5.97	13	PASS
Band38	5	37775	1	#0	QPSK	8.76	13	PASS
Band38	5	37775	1	#0	16QAM	7.44	13	PASS
Band38	5	38000	1	#0	QPSK	7.39	13	PASS
Band38	5	38000	1	#0	16QAM	7.59	13	PASS
Band38	5	38225	1	#0	QPSK	8.93	13	PASS
Band38	5	38225	1	#0	16QAM	7.61	13	PASS
Band38	10	37800	1	#0	QPSK	9.32	13	PASS
Band38	10	37800	1	#0	16QAM	7.77	13	PASS
Band38	10	38000	1	#0	QPSK	7.55	13	PASS
Band38	10	38000	1	#0	16QAM	7.81	13	PASS
Band38	10	38200	1	#0	QPSK	7.70	13	PASS
Band38	10	38200	1	#0	16QAM	8.69	13	PASS
Band38	15	37825	1	#0	QPSK	7.87	13	PASS
Band38	15	37825	1	#0	16QAM	11.31	13	PASS
Band38	15	38000	1	#0	QPSK	7.63	13	PASS
Band38	15	38000	1	#0	16QAM	9.63	13	PASS
Band38	15	38175	1	#0	QPSK	7.07	13	PASS
Band38	15	38175	1	#0	16QAM	8.58	13	PASS
Band38	20	37850	1	#0	QPSK	10.80	13	PASS
Band38	20	37850	1	#0	16QAM	7.68	13	PASS
Band38	20	38000	1	#0	QPSK	7.66	13	PASS
Band38	20	38000	1	#0	16QAM	8.75	13	PASS
Band38	20	38150	1	#0	QPSK	8.31	13	PASS
Band38	20	38150	1	#0	16QAM	7.42	13	PASS
Band40(2305-2315)	5	38725	1	#0	QPSK	9.60	13	PASS
Band40(2305-2315)	5	38725	1	#0	16QAM	9.66	13	PASS
Band40(2305-2315)	5	38750	1	#0	QPSK	8.92	13	PASS
Band40(2305-2315)	5	38750	1	#0	16QAM	9.63	13	PASS
Band40(2305-2315)	5	38775	1	#0	QPSK	10.45	13	PASS
Band40(2305-2315)	5	38775	1	#0	16QAM	10.26	13	PASS
Band40(2305-2315)	10	38750	1	#0	QPSK	12.09	13	PASS
Band40(2305-2315)	10	38750	1	#0	16QAM	10.77	13	PASS
Band40(2350-2360)	5	39175	1	#0	QPSK	9.85	13	PASS
Band40(2350-2360)	5	39175	1	#0	16QAM	10.01	13	PASS
Band40(2350-2360)	5	39200	1	#0	QPSK	8.95	13	PASS
Band40(2350-2360)	5	39200	1	#0	16QAM	9.53	13	PASS
Band40(2350-2360)	5	39225	1	#0	QPSK	10.87	13	PASS
Band40(2350-2360)	5	39225	1	#0	16QAM	10.50	13	PASS
Band40(2350-2360)	10	39200	1	#0	QPSK	9.12	13	PASS
Band40(2350-2360)	10	39200	1	#0	16QAM	10.99	13	PASS
Band41	5	39675	1	#0	QPSK	7.38	13	PASS
Band41	5	39675	1	#0	16QAM	7.74	13	PASS
Band41	5	40620	1	#0	QPSK	8.10	13	PASS
Band41	5	40620	1	#0	16QAM	7.28	13	PASS
Band41	5	41565	1	#0	QPSK	7.51	13	PASS
Band41	5	41565	1	#0	16QAM	8.68	13	PASS
Band41	10	39700	1	#0	QPSK	8.88	13	PASS
Band41	10	39700	1	#0	16QAM	7.75	13	PASS
Band41	10	40620	1	#0	QPSK	8.53	13	PASS
Band41	10	40620	1	#0	16QAM	7.26	13	PASS
Band41	10	41540	1	#0	QPSK	6.79	13	PASS
Band41	10	41540	1	#0	16QAM	8.09	13	PASS
Band41	15	39725	1	#0	QPSK	7.33	13	PASS

Band41	15	39725	1	#0	16QAM	7.71	13	PASS
Band41	15	40620	1	#0	QPSK	8.65	13	PASS
Band41	15	40620	1	#0	16QAM	8.19	13	PASS
Band41	15	41515	1	#0	QPSK	8.17	13	PASS
Band41	15	41515	1	#0	16QAM	8.95	13	PASS
Band41	20	39750	1	#0	QPSK	7.39	13	PASS
Band41	20	39750	1	#0	16QAM	7.12	13	PASS
Band41	20	40620	1	#0	QPSK	7.26	13	PASS
Band41	20	40620	1	#0	16QAM	9.14	13	PASS
Band41	20	41490	1	#0	QPSK	8.35	13	PASS
Band41	20	41490	1	#0	16QAM	9.49	13	PASS
Band66	1.4	131979	1	#0	QPSK	3.63	13	PASS
Band66	1.4	131979	1	#0	16QAM	4.54	13	PASS
Band66	1.4	132322	1	#0	QPSK	4.31	13	PASS
Band66	1.4	132322	1	#0	16QAM	5.21	13	PASS
Band66	1.4	132665	1	#0	QPSK	4.18	13	PASS
Band66	1.4	132665	1	#0	16QAM	5.03	13	PASS
Band66	3	131987	1	#0	QPSK	3.51	13	PASS
Band66	3	131987	1	#0	16QAM	4.37	13	PASS
Band66	3	132322	1	#0	QPSK	4.27	13	PASS
Band66	3	132322	1	#0	16QAM	5.20	13	PASS
Band66	3	132657	1	#0	QPSK	4.08	13	PASS
Band66	3	132657	1	#0	16QAM	4.97	13	PASS
Band66	5	131997	1	#0	QPSK	3.50	13	PASS
Band66	5	131997	1	#0	16QAM	4.41	13	PASS
Band66	5	132322	1	#0	QPSK	4.11	13	PASS
Band66	5	132322	1	#0	16QAM	4.88	13	PASS
Band66	5	132647	1	#0	QPSK	3.97	13	PASS
Band66	5	132647	1	#0	16QAM	4.76	13	PASS
Band66	10	132022	1	#0	QPSK	3.40	13	PASS
Band66	10	132022	1	#0	16QAM	4.39	13	PASS
Band66	10	132322	1	#0	QPSK	3.99	13	PASS
Band66	10	132322	1	#0	16QAM	4.89	13	PASS
Band66	10	132622	1	#0	QPSK	3.88	13	PASS
Band66	10	132622	1	#0	16QAM	4.77	13	PASS
Band66	15	132047	1	#0	QPSK	3.42	13	PASS
Band66	15	132047	1	#0	16QAM	4.38	13	PASS
Band66	15	132322	1	#0	QPSK	3.62	13	PASS
Band66	15	132322	1	#0	16QAM	4.47	13	PASS
Band66	15	132597	1	#0	QPSK	3.67	13	PASS
Band66	15	132597	1	#0	16QAM	4.49	13	PASS
Band66	20	132072	1	#0	QPSK	3.36	13	PASS
Band66	20	132072	1	#0	16QAM	4.20	13	PASS
Band66	20	132322	1	#0	QPSK	3.59	13	PASS
Band66	20	132322	1	#0	16QAM	4.46	13	PASS
Band66	20	132572	1	#0	QPSK	4.44	13	PASS
Band66	20	132572	1	#0	16QAM	5.30	13	PASS

Band2 16QAM BW=1.4MHz Channel=18607 RB Size=1 Position=#0

Band2 16QAM BW=1.4MHz Channel=18900 RB Size=1 Position=#0

Band2 16QAM BW=1.4MHz Channel=19193 RB Size=1 Position=#0

Band2 16QAM BW=10MHz Channel=18650 RB Size=1 Position=#0

Band2 16QAM BW=10MHz Channel=18900 RB Size=1 Position=#0

Band2 16QAM BW=10MHz Channel=19150 RB Size=1 Position=#0

Band2 16QAM BW=15MHz Channel=18675 RB Size=1 Position=#0

Band2 16QAM BW=15MHz Channel=18900 RB Size=1 Position=#0

Band2 16QAM BW=15MHz Channel=19125 RB Size=1 Position=#0

Band2 16QAM BW=20MHz Channel=18700 RB Size=1 Position=#0

Band2 16QAM BW=20MHz Channel=18900 RB Size=1 Position=#0

Band2 16QAM BW=20MHz Channel=19100 RB Size=1 Position=#0

Band2 16QAM BW=3MHz Channel=18615 RB Size=1 Position=#0

Band2 16QAM BW=3MHz Channel=18900 RB Size=1 Position=#0

Band2 16QAM BW=3MHz Channel=19185 RB Size=1 Position=#0

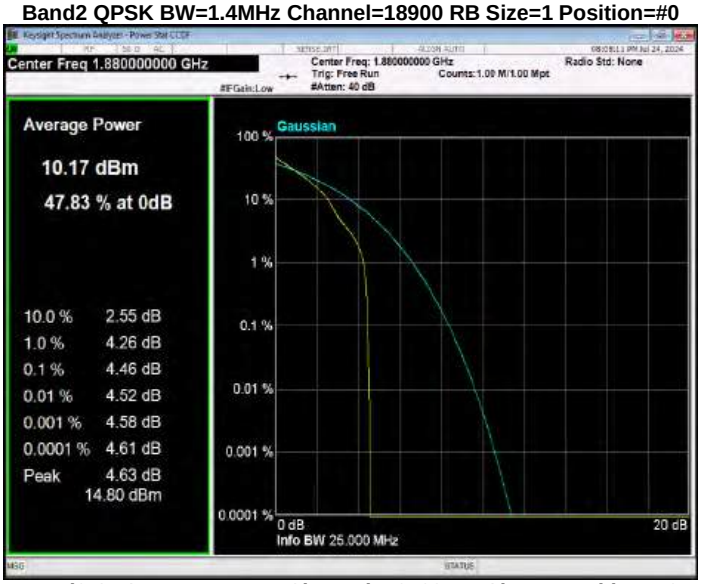
Band2 16QAM BW=5MHz Channel=18625 RB Size=1 Position=#0

Band2 16QAM BW=5MHz Channel=18900 RB Size=1 Position=#0

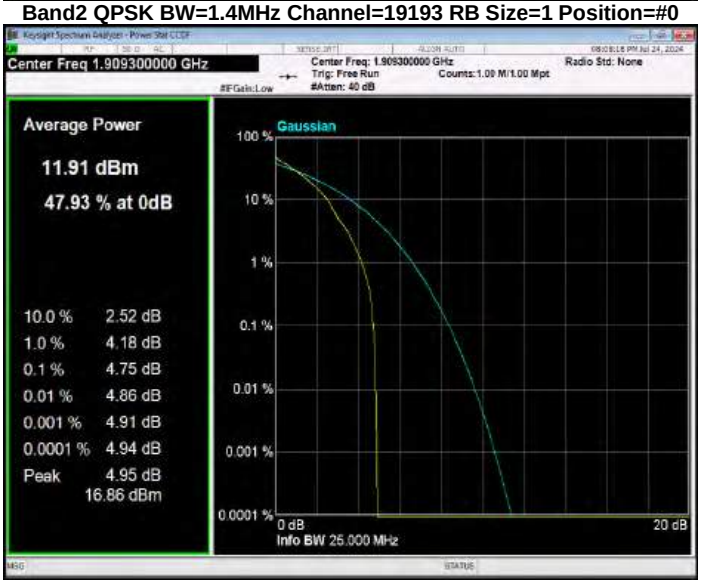
Band2 16QAM BW=5MHz Channel=19175 RB Size=1 Position=#0

Band2 QPSK BW=1.4MHz Channel=18607 RB Size=1 Position=#0

Band2 QPSK BW=1.4MHz Channel=18900 RB Size=1 Position=#0



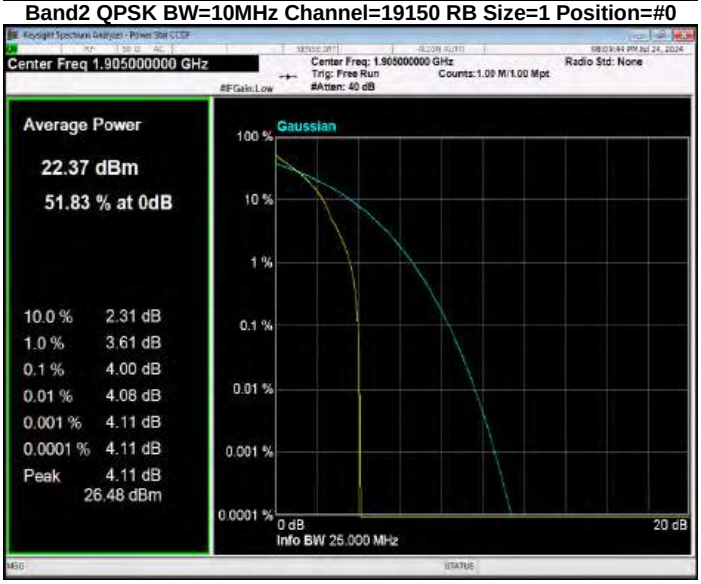
Band2 QPSK BW=1.4MHz Channel=19193 RB Size=1 Position=#0



Band2 QPSK BW=10MHz Channel=18650 RB Size=1 Position=#0

Band2 QPSK BW=10MHz Channel=18900 RB Size=1 Position=#0

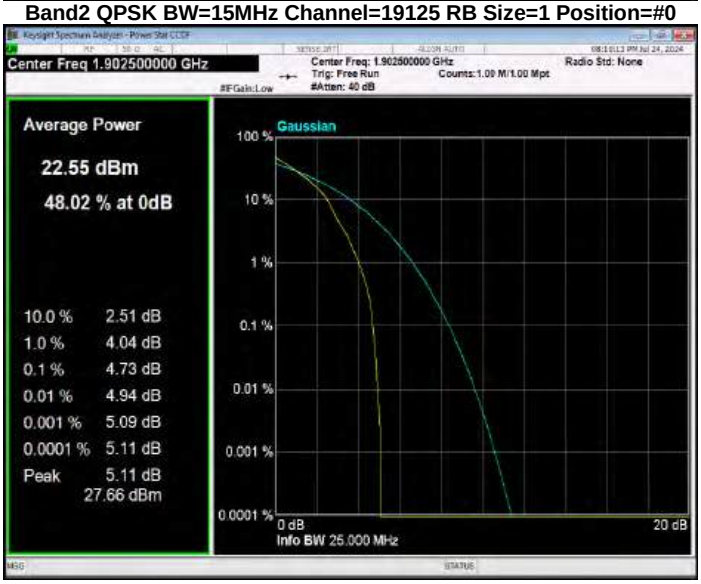
Band2 QPSK BW=10MHz Channel=19150 RB Size=1 Position=#0



Band2 QPSK BW=15MHz Channel=18675 RB Size=1 Position=#0

Band2 QPSK BW=15MHz Channel=18900 RB Size=1 Position=#0

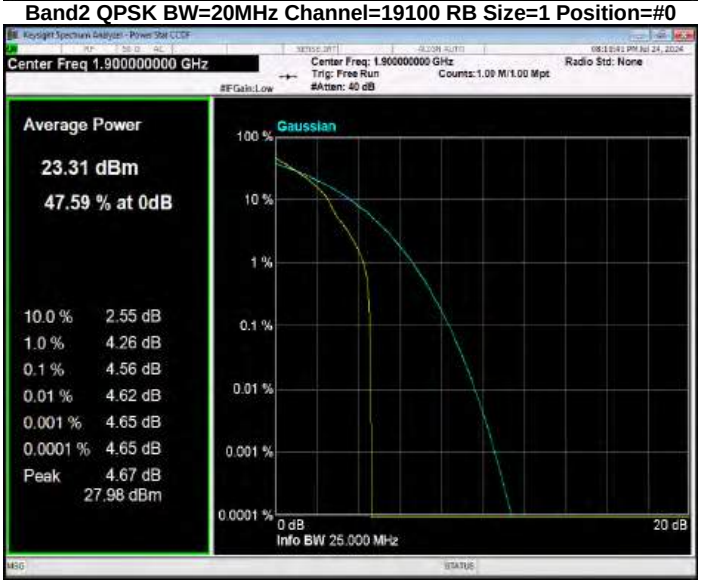
Band2 QPSK BW=15MHz Channel=19125 RB Size=1 Position=#0



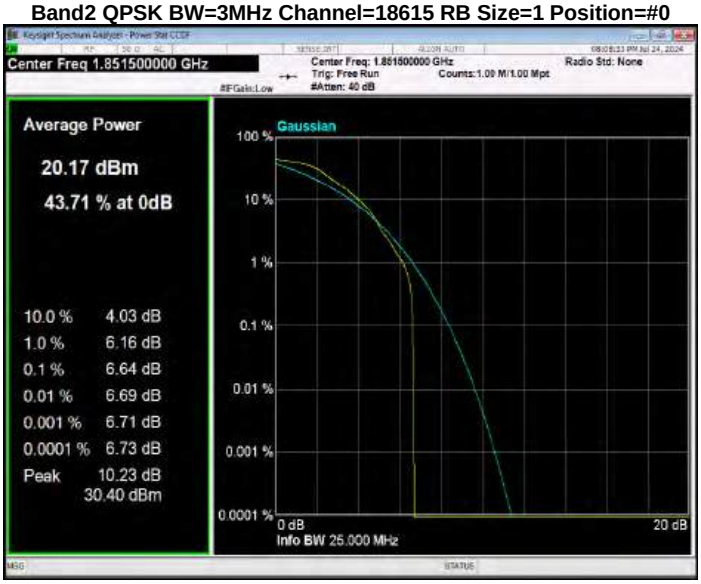
Band2 QPSK BW=20MHz Channel=18700 RB Size=1 Position=#0

Band2 QPSK BW=20MHz Channel=18900 RB Size=1 Position=#0

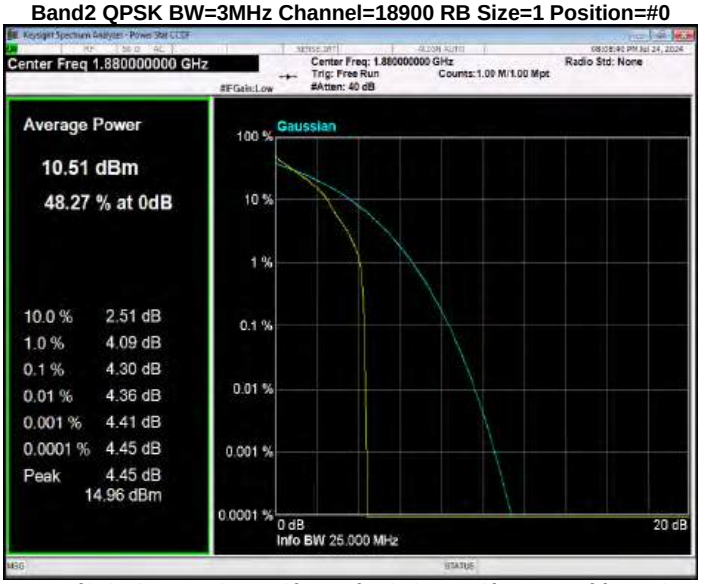
Band2 QPSK BW=20MHz Channel=19100 RB Size=1 Position=#0



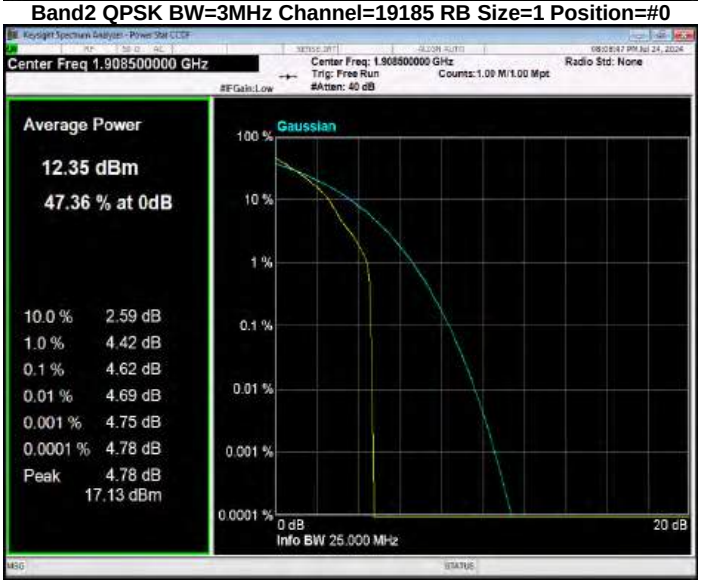
Band2 QPSK BW=3MHz Channel=18615 RB Size=1 Position=#0



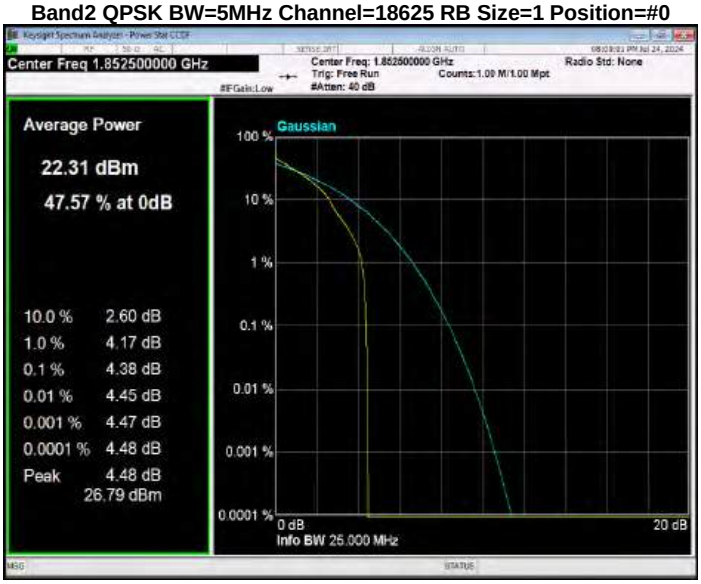
Band2 QPSK BW=3MHz Channel=18900 RB Size=1 Position=#0



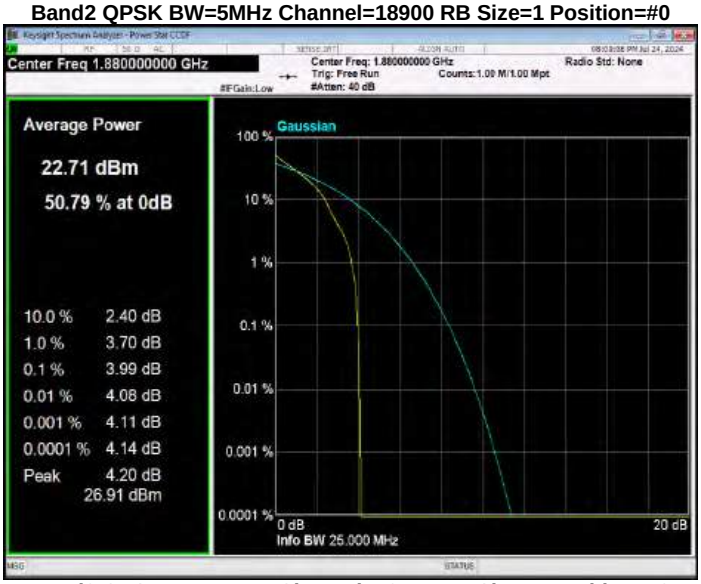
Band2 QPSK BW=3MHz Channel=19185 RB Size=1 Position=#0



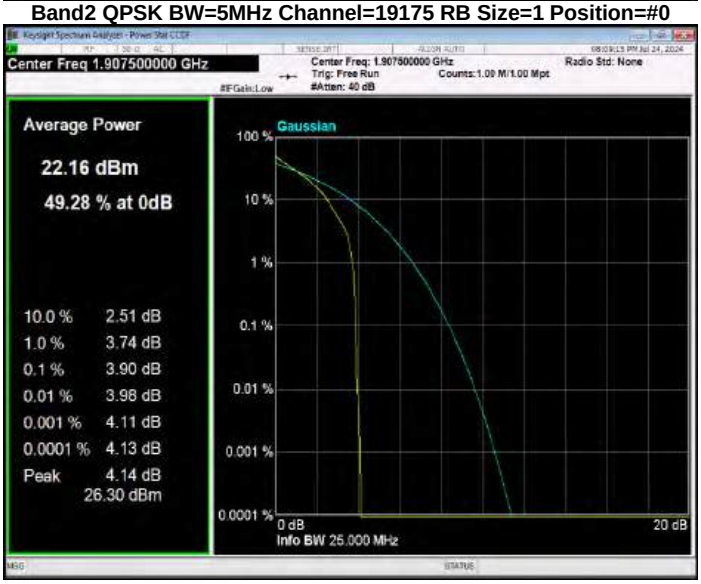
Band2 QPSK BW=5MHz Channel=18625 RB Size=1 Position=#0



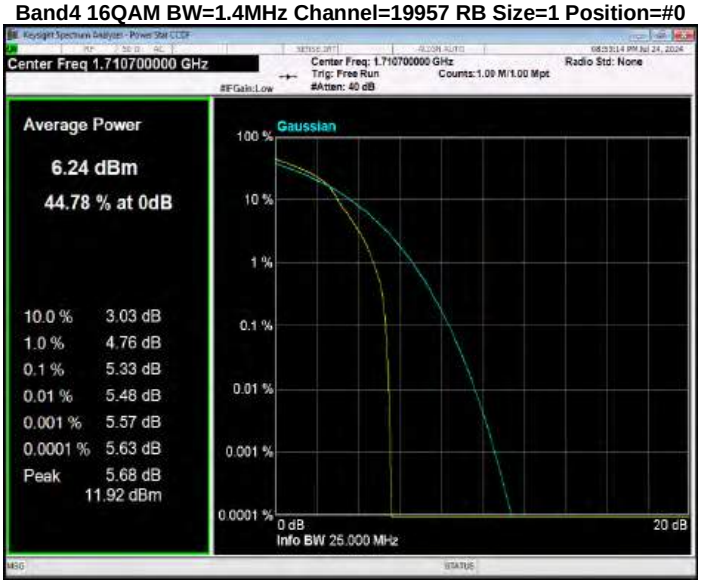
Band2 QPSK BW=5MHz Channel=18900 RB Size=1 Position=#0



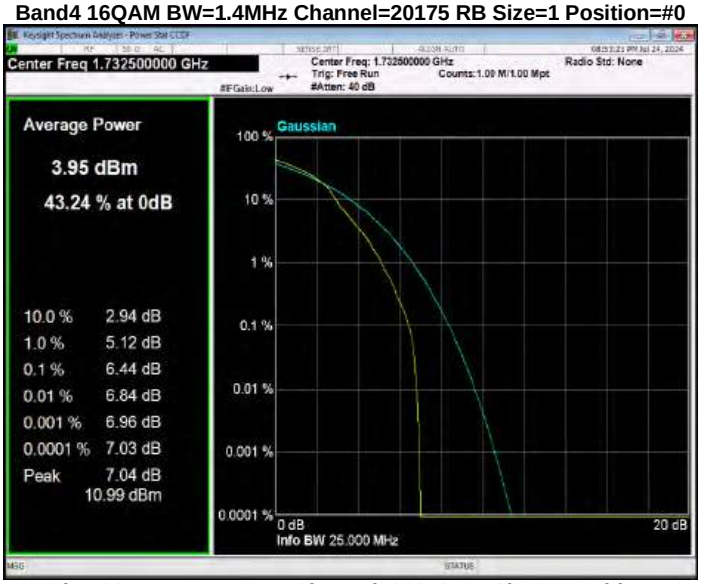
Band2 QPSK BW=5MHz Channel=19175 RB Size=1 Position=#0



Band4 16QAM BW=1.4MHz Channel=19957 RB Size=1 Position=#0



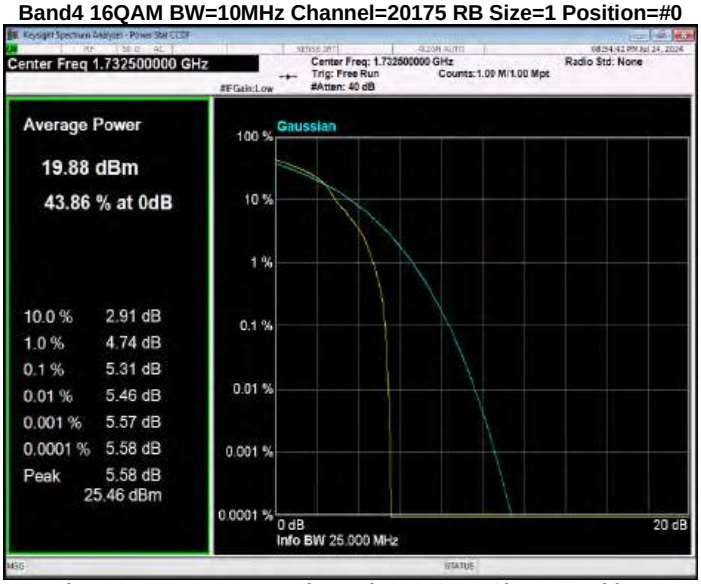
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0



Band4 16QAM BW=1.4MHz Channel=20393 RB Size=1 Position=#0

Band4 16QAM BW=10MHz Channel=20000 RB Size=1 Position=#0

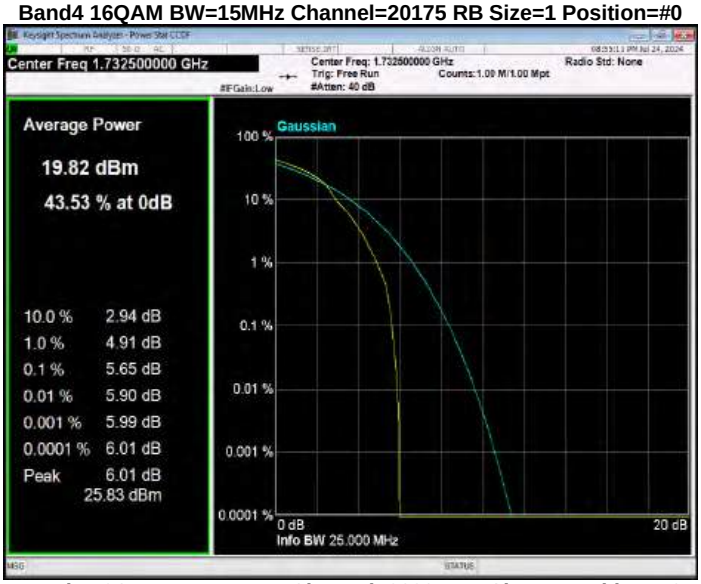
Band4 16QAM BW=10MHz Channel=20175 RB Size=1 Position=#0



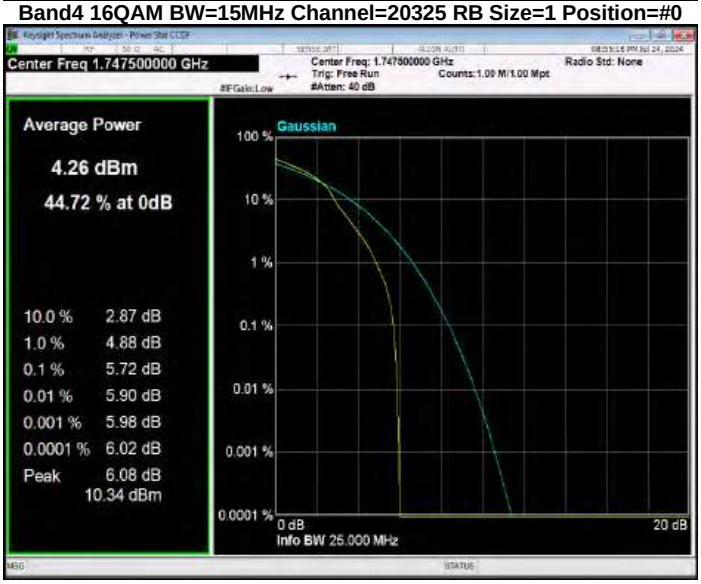
Band4 16QAM BW=10MHz Channel=20350 RB Size=1 Position=#0

Band4 16QAM BW=15MHz Channel=20025 RB Size=1 Position=#0

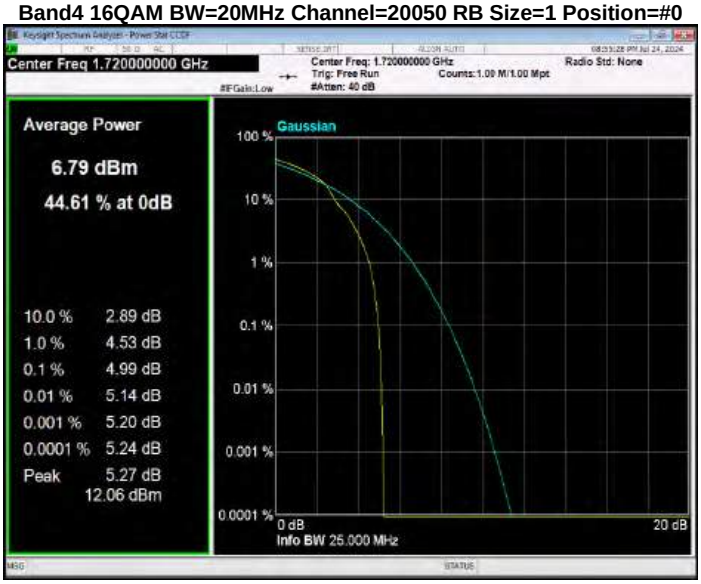
Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0



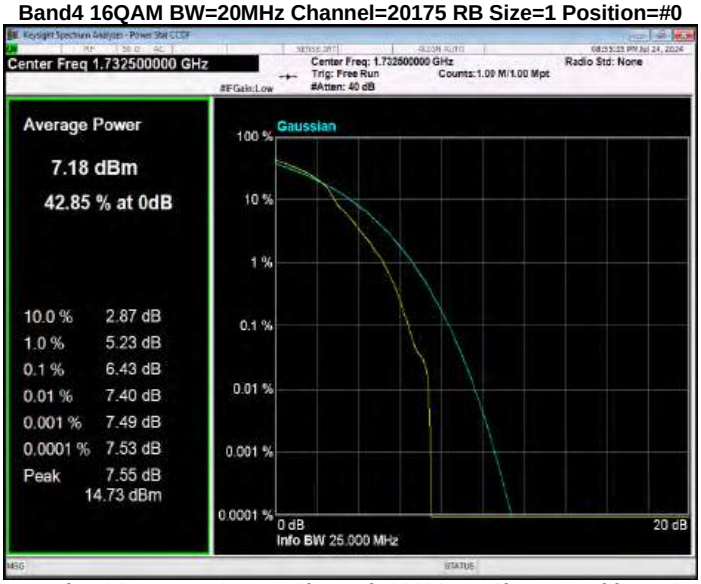
Band4 16QAM BW=15MHz Channel=20325 RB Size=1 Position=#0



Band4 16QAM BW=20MHz Channel=20050 RB Size=1 Position=#0



Band4 16QAM BW=20MHz Channel=20175 RB Size=1 Position=#0



Band4 16QAM BW=20MHz Channel=20300 RB Size=1 Position=#0

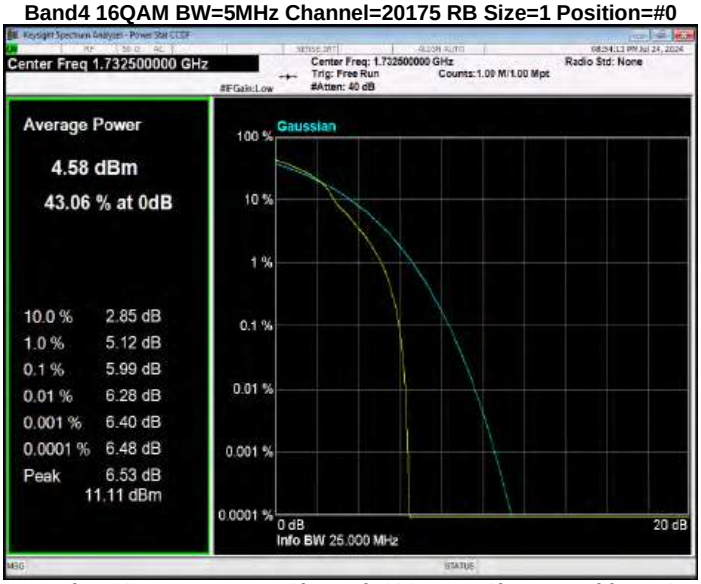
Band4 16QAM BW=3MHz Channel=19965 RB Size=1 Position=#0

Band4 16QAM BW=3MHz Channel=20175 RB Size=1 Position=#0

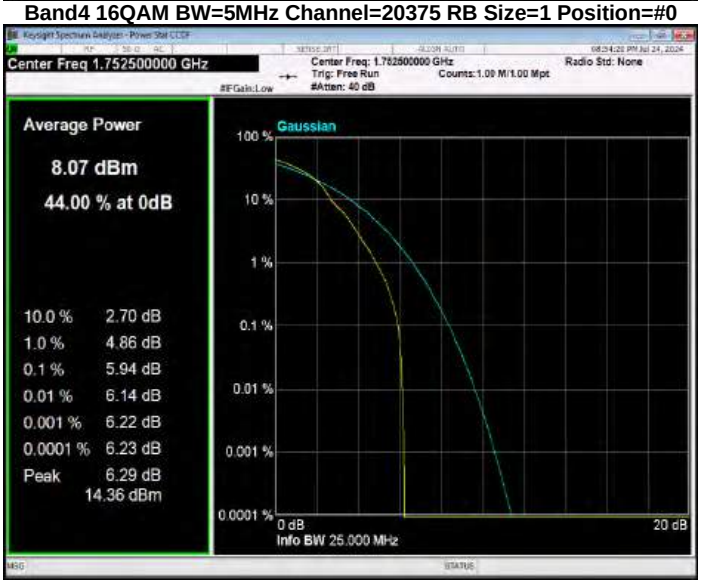
Band4 16QAM BW=3MHz Channel=20385 RB Size=1 Position=#0

Band4 16QAM BW=5MHz Channel=19975 RB Size=1 Position=#0

Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0



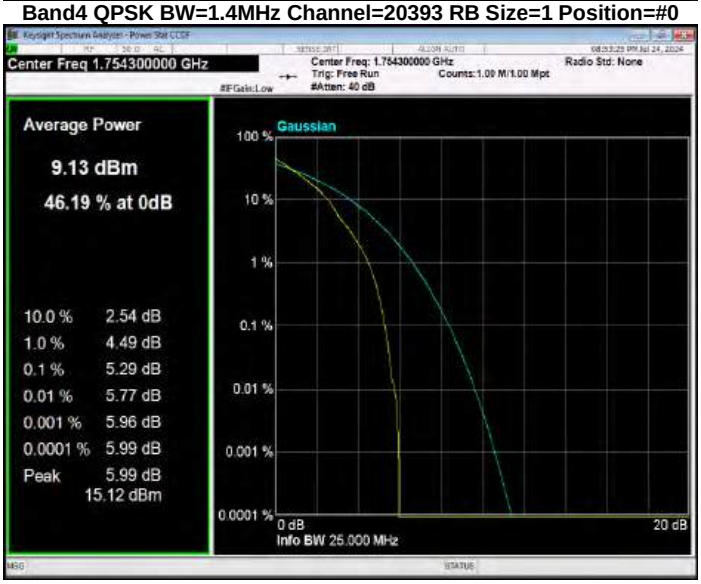
Band4 16QAM BW=5MHz Channel=20375 RB Size=1 Position=#0



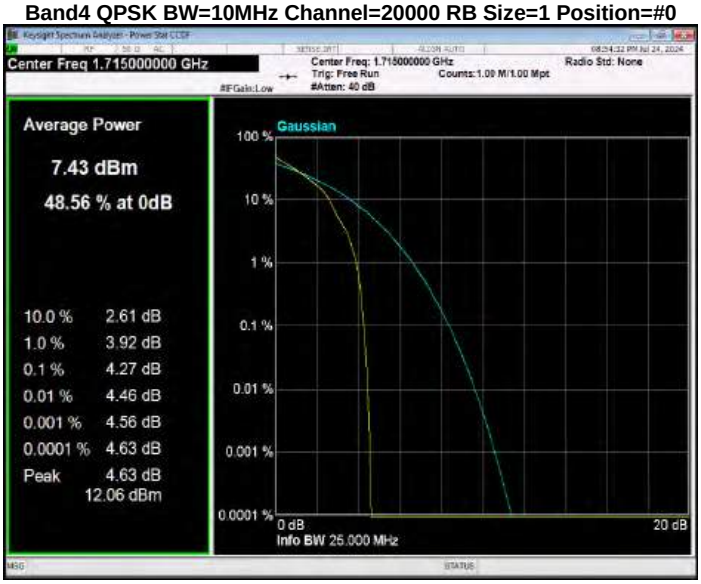
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0

Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0

Band4 QPSK BW=1.4MHz Channel=20393 RB Size=1 Position=#0

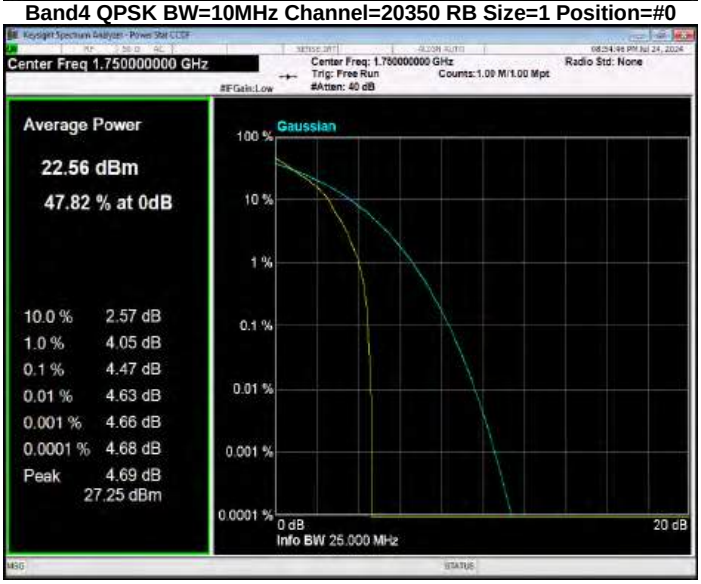


Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0



Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0

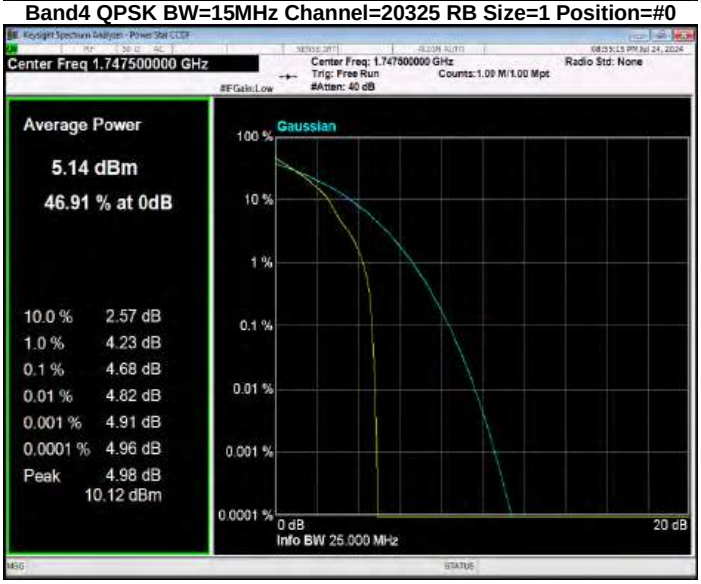
Band4 QPSK BW=10MHz Channel=20350 RB Size=1 Position=#0



Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0

Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0

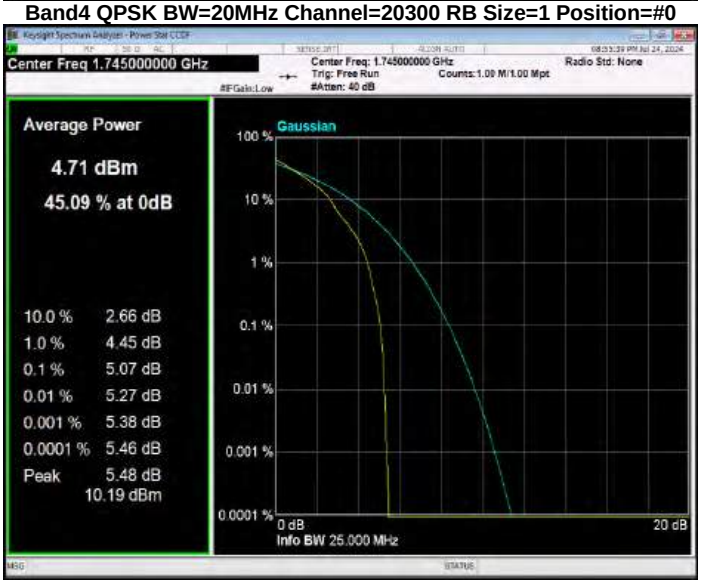
Band4 QPSK BW=15MHz Channel=20325 RB Size=1 Position=#0



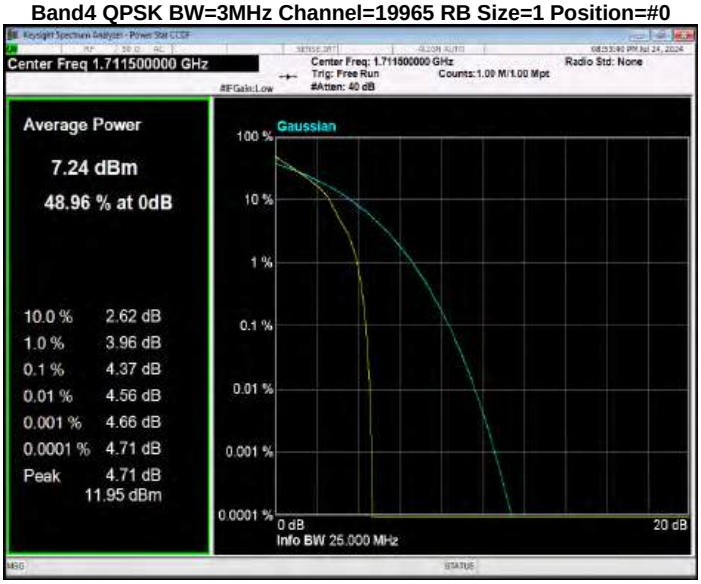
Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0

Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0

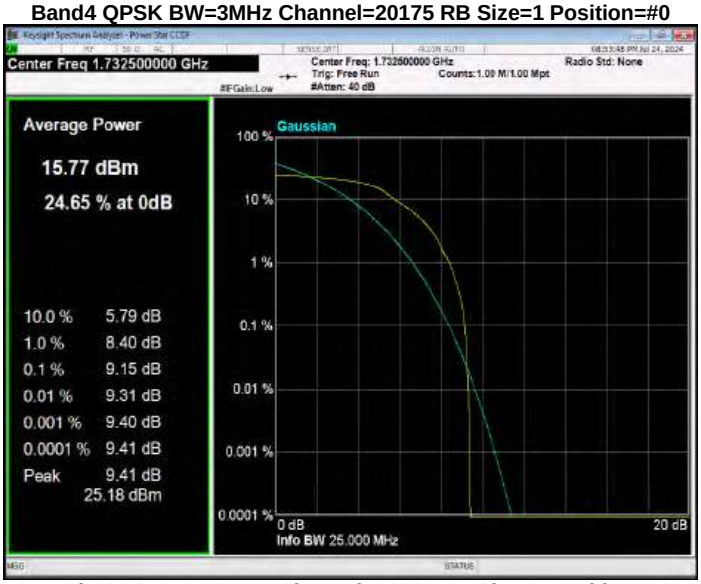
Band4 QPSK BW=20MHz Channel=20300 RB Size=1 Position=#0



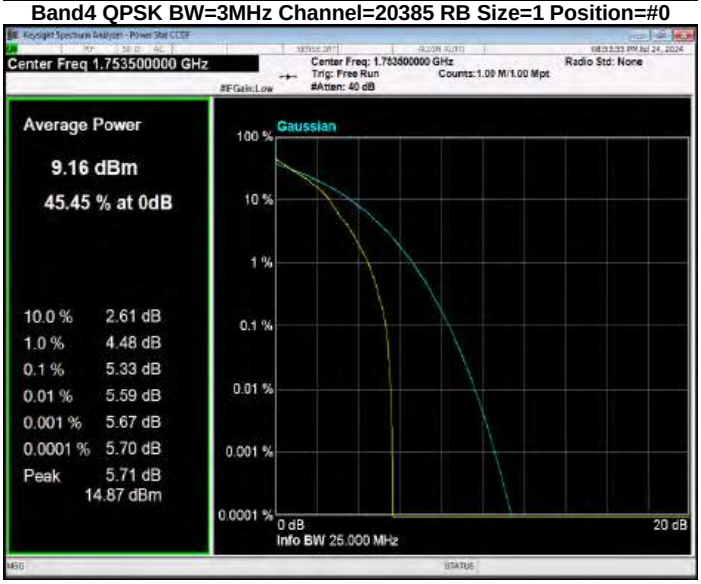
Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0



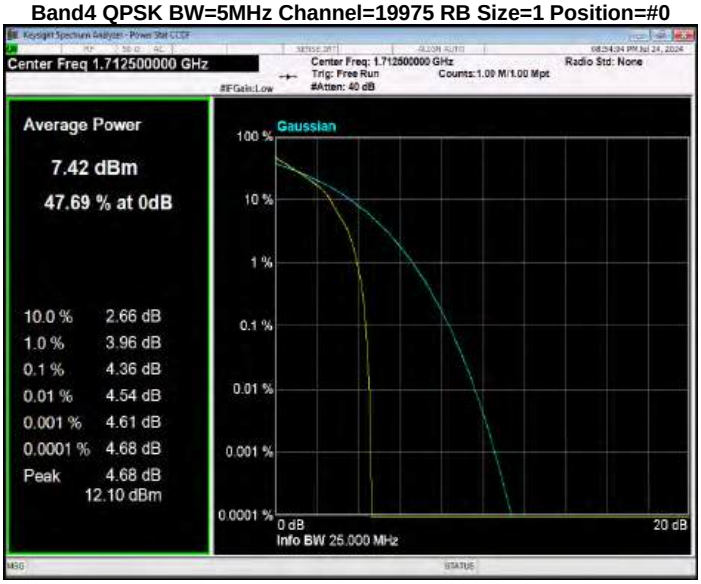
Band4 QPSK BW=3MHz Channel=20175 RB Size=1 Position=#0



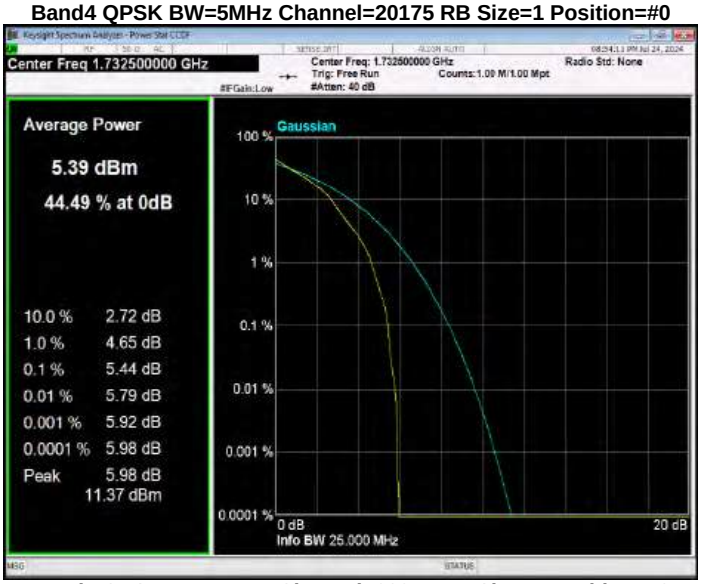
Band4 QPSK BW=3MHz Channel=20385 RB Size=1 Position=#0



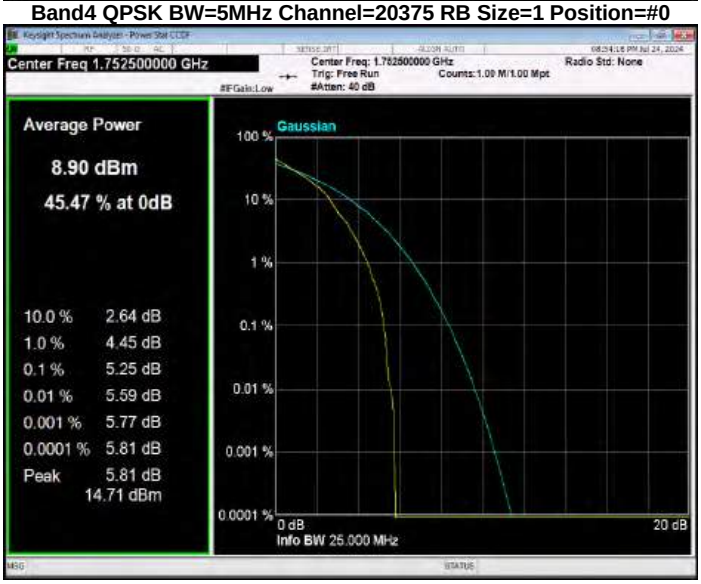
Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0



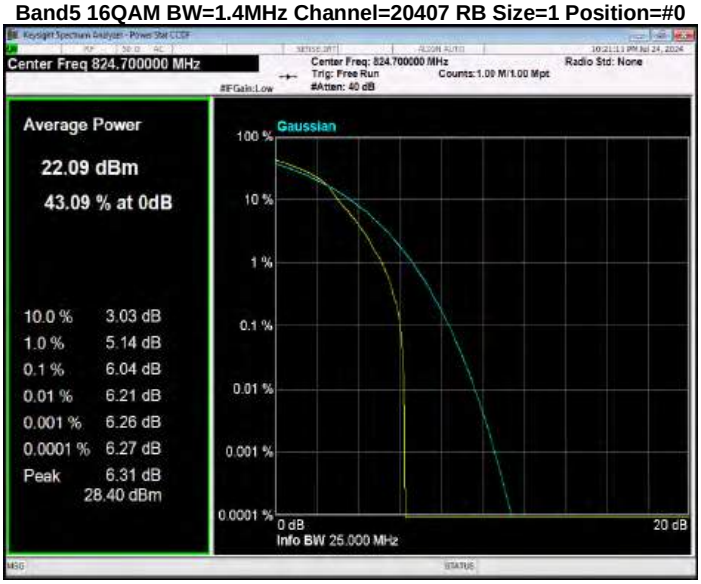
Band4 QPSK BW=5MHz Channel=20175 RB Size=1 Position=#0



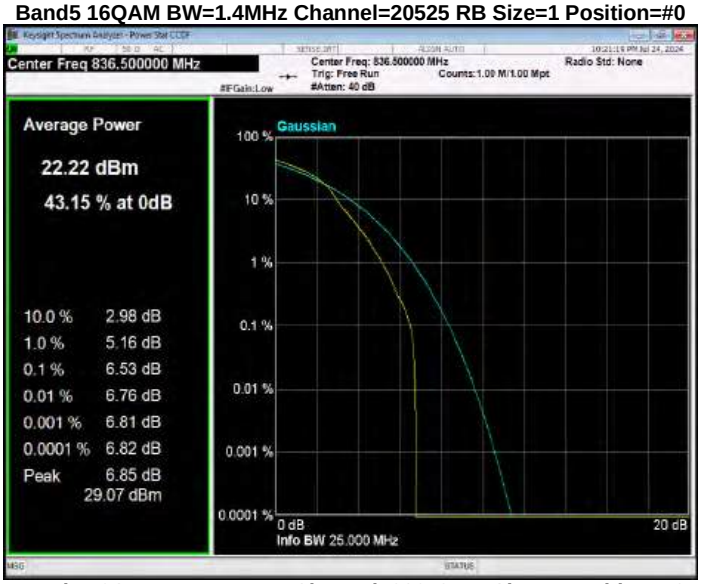
Band4 QPSK BW=5MHz Channel=20375 RB Size=1 Position=#0



Band5 16QAM BW=1.4MHz Channel=20407 RB Size=1 Position=#0



Band5 16QAM BW=1.4MHz Channel=20525 RB Size=1 Position=#0



Band5 16QAM BW=1.4MHz Channel=20643 RB Size=1 Position=#0

Band5 16QAM BW=10MHz Channel=20450 RB Size=1 Position=#0

Band5 16QAM BW=10MHz Channel=20525 RB Size=1 Position=#0

Band5 16QAM BW=10MHz Channel=20600 RB Size=1 Position=#0

Band5 16QAM BW=3MHz Channel=20415 RB Size=1 Position=#0

Band5 16QAM BW=3MHz Channel=20525 RB Size=1 Position=#0

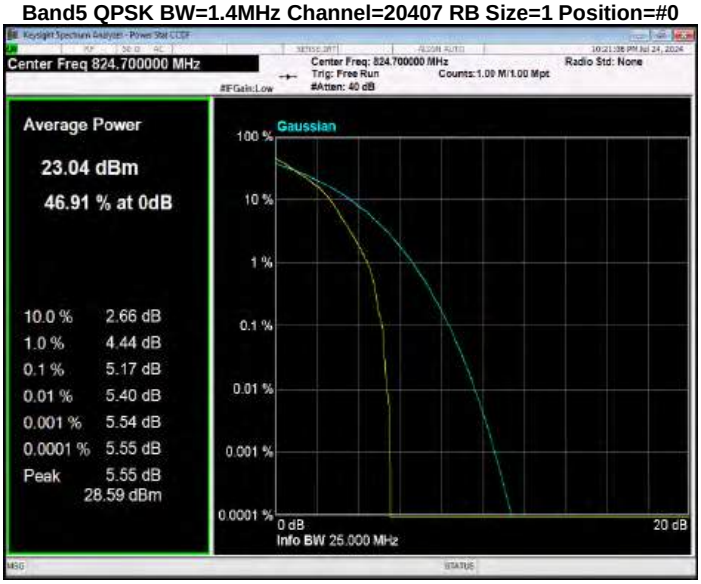
Band5 16QAM BW=3MHz Channel=20635 RB Size=1 Position=#0

Band5 16QAM BW=5MHz Channel=20425 RB Size=1 Position=#0

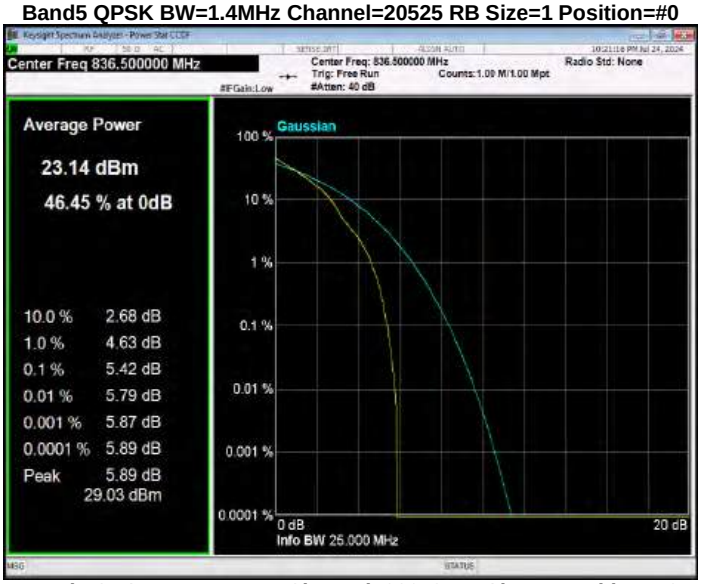
Band5 16QAM BW=5MHz Channel=20525 RB Size=1 Position=#0

Band5 16QAM BW=5MHz Channel=20625 RB Size=1 Position=#0

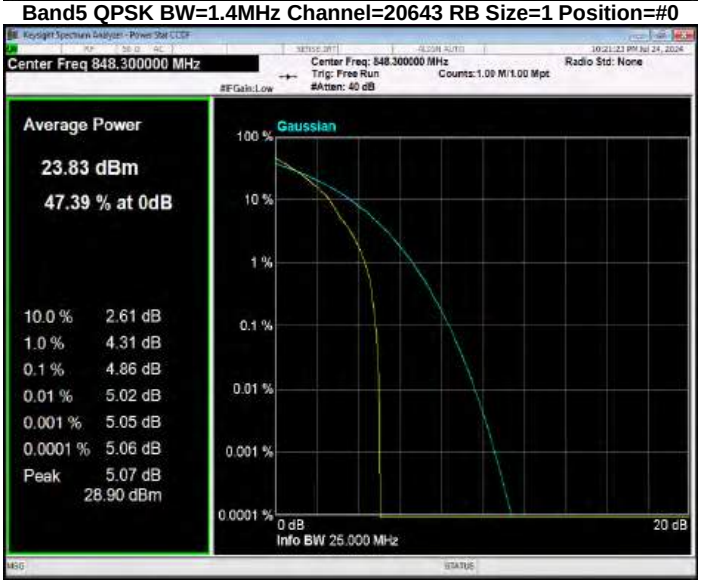
Band5 QPSK BW=1.4MHz Channel=20407 RB Size=1 Position=#0



Band5 QPSK BW=1.4MHz Channel=20525 RB Size=1 Position=#0



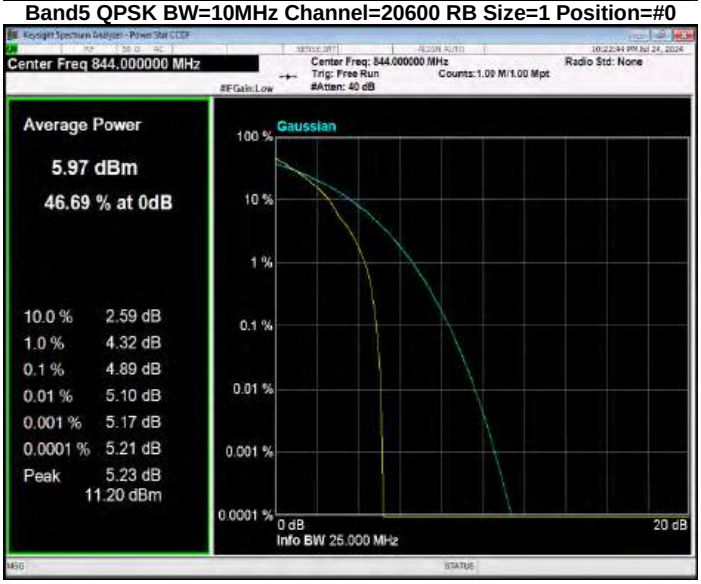
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=1 Position=#0



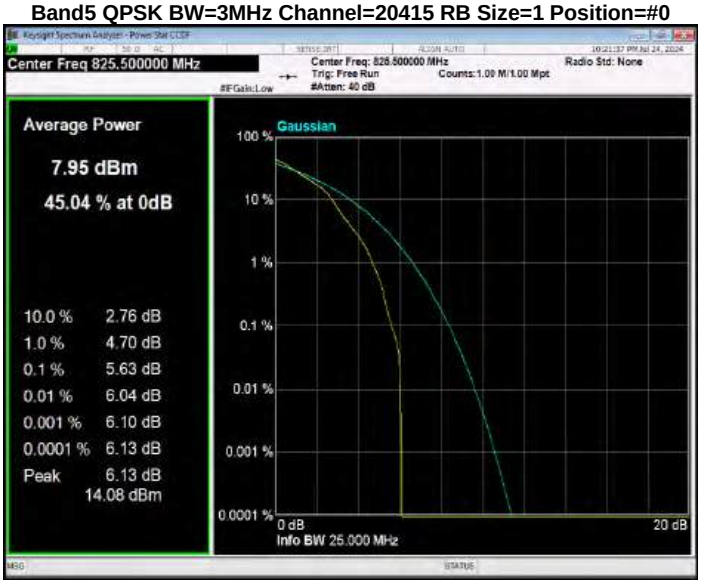
Band5 QPSK BW=10MHz Channel=20450 RB Size=1 Position=#0

Band5 QPSK BW=10MHz Channel=20525 RB Size=1 Position=#0

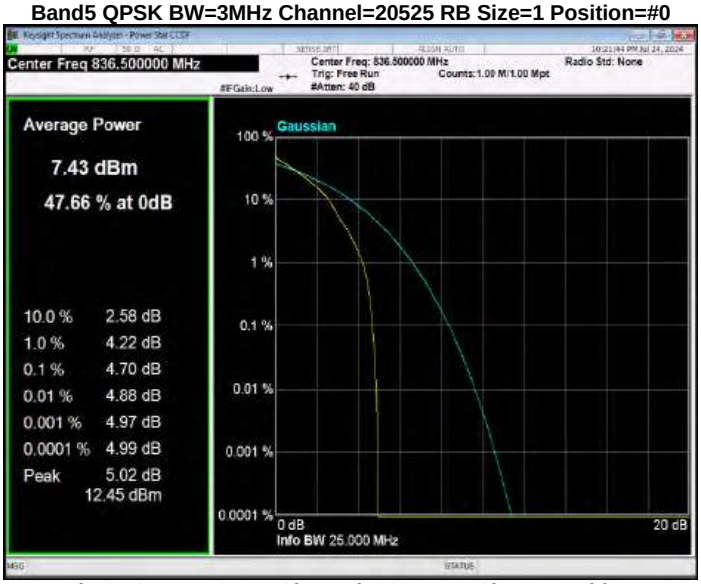
Band5 QPSK BW=10MHz Channel=20600 RB Size=1 Position=#0



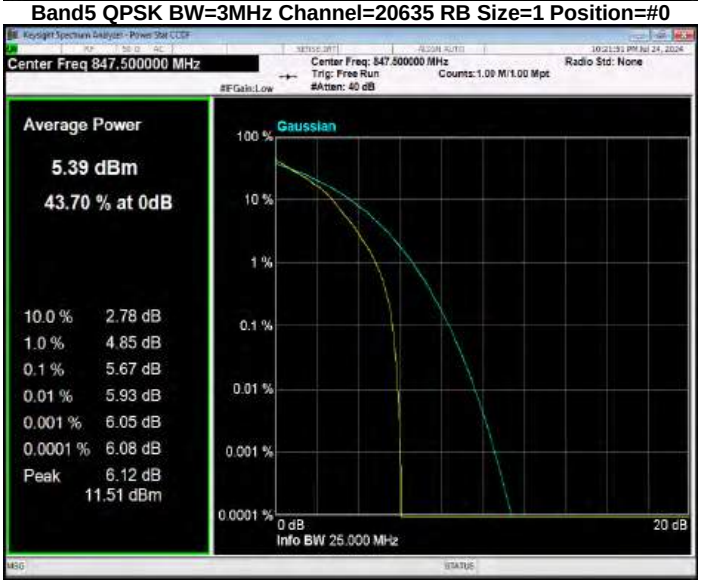
Band5 QPSK BW=3MHz Channel=20415 RB Size=1 Position=#0



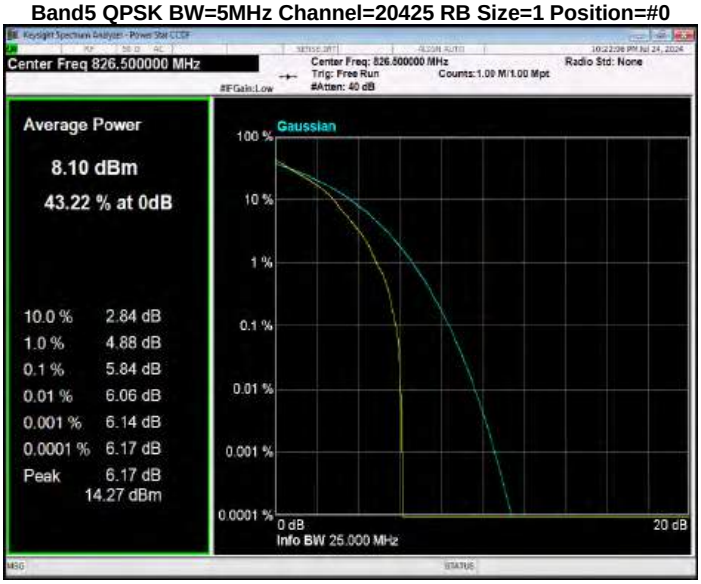
Band5 QPSK BW=3MHz Channel=20525 RB Size=1 Position=#0



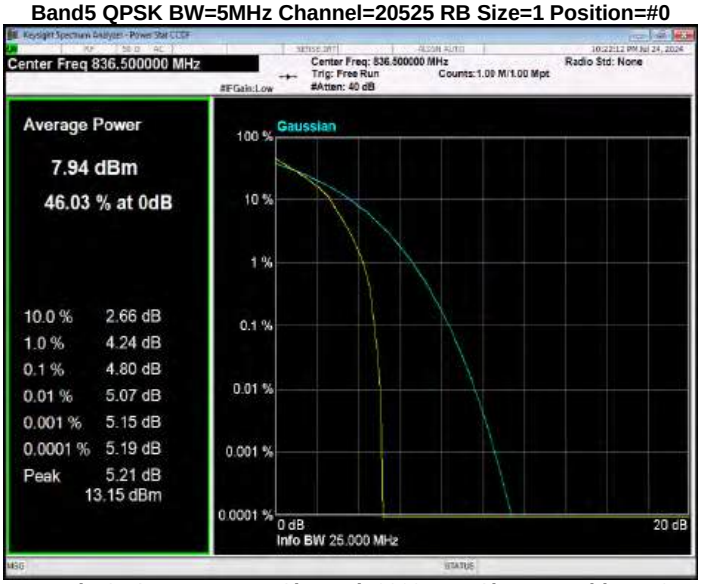
Band5 QPSK BW=3MHz Channel=20635 RB Size=1 Position=#0



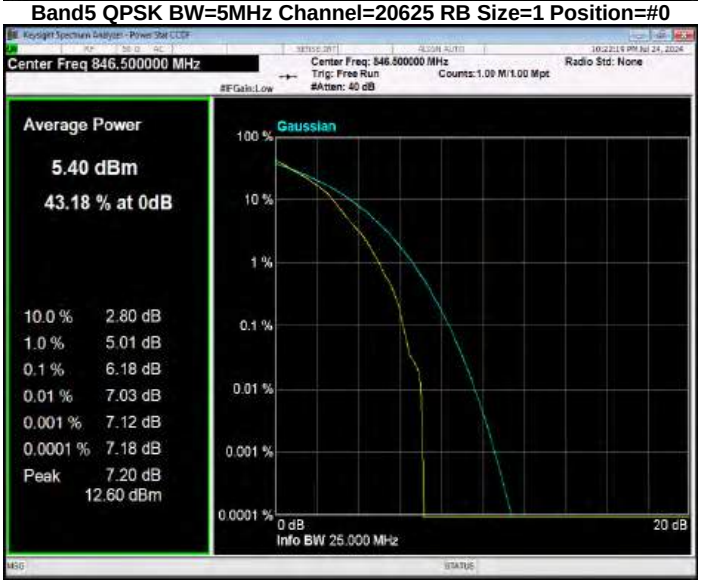
Band5 QPSK BW=5MHz Channel=20425 RB Size=1 Position=#0



Band5 QPSK BW=5MHz Channel=20525 RB Size=1 Position=#0



Band5 QPSK BW=5MHz Channel=20625 RB Size=1 Position=#0



Band7 16QAM BW=10MHz Channel=20800 RB Size=1 Position=#0

Band7 16QAM BW=10MHz Channel=21100 RB Size=1 Position=#0

Band7 16QAM BW=10MHz Channel=21400 RB Size=1 Position=#0

Band7 16QAM BW=15MHz Channel=20825 RB Size=1 Position=#0

Band7 16QAM BW=15MHz Channel=21100 RB Size=1 Position=#0

Band7 16QAM BW=15MHz Channel=21375 RB Size=1 Position=#0

Band7 16QAM BW=20MHz Channel=20850 RB Size=1 Position=#0

Band7 16QAM BW=20MHz Channel=21100 RB Size=1 Position=#0

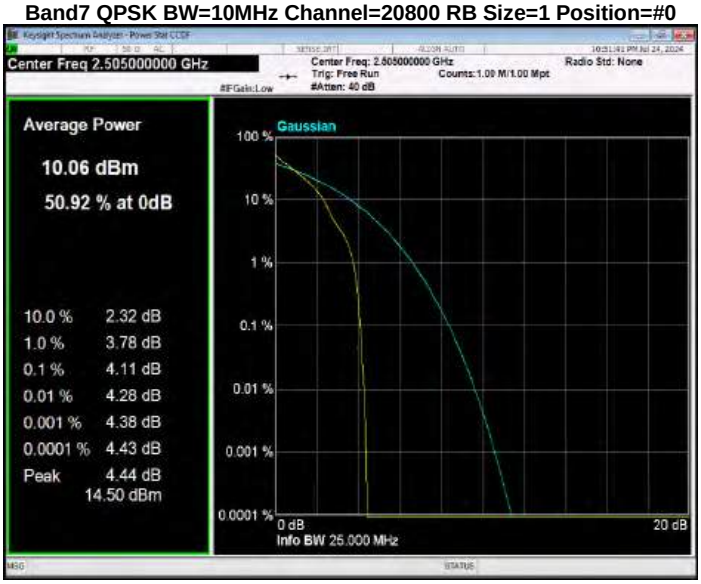
Band7 16QAM BW=20MHz Channel=21350 RB Size=1 Position=#0

Band7 16QAM BW=5MHz Channel=20775 RB Size=1 Position=#0

Band7 16QAM BW=5MHz Channel=21100 RB Size=1 Position=#0

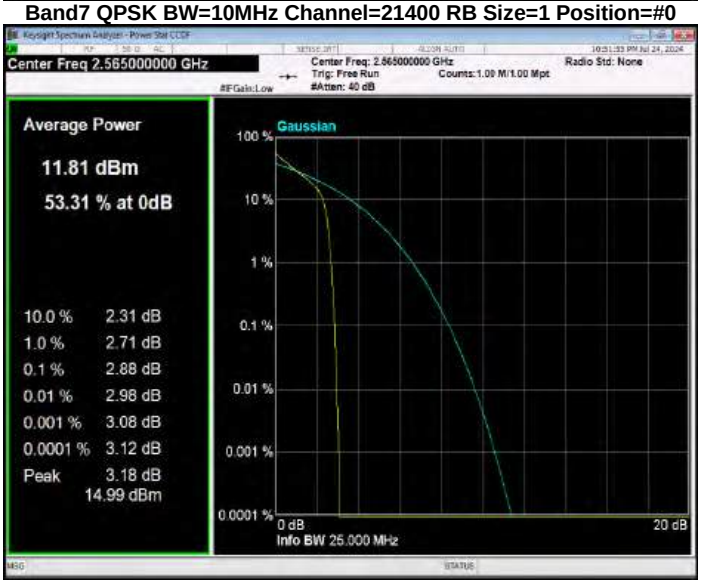
Band7 16QAM BW=5MHz Channel=21425 RB Size=1 Position=#0

Band7 QPSK BW=10MHz Channel=20800 RB Size=1 Position=#0



Band7 QPSK BW=10MHz Channel=21100 RB Size=1 Position=#0

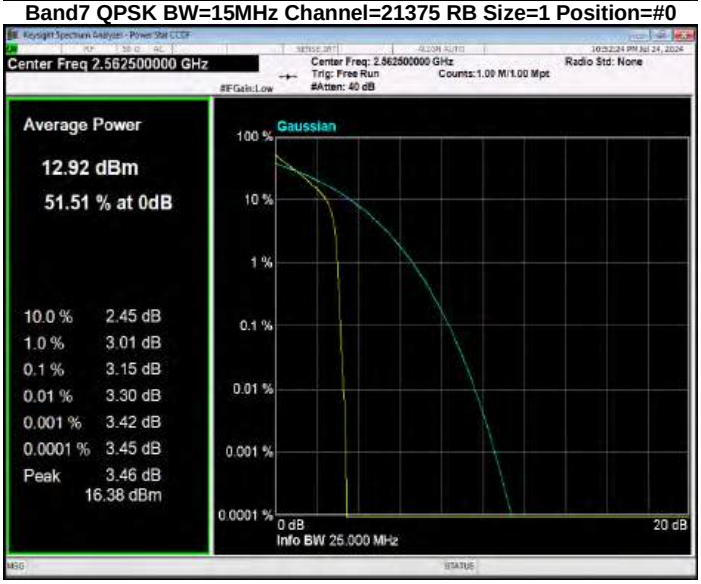
Band7 QPSK BW=10MHz Channel=21400 RB Size=1 Position=#0



Band7 QPSK BW=15MHz Channel=20825 RB Size=1 Position=#0

Band7 QPSK BW=15MHz Channel=21100 RB Size=1 Position=#0

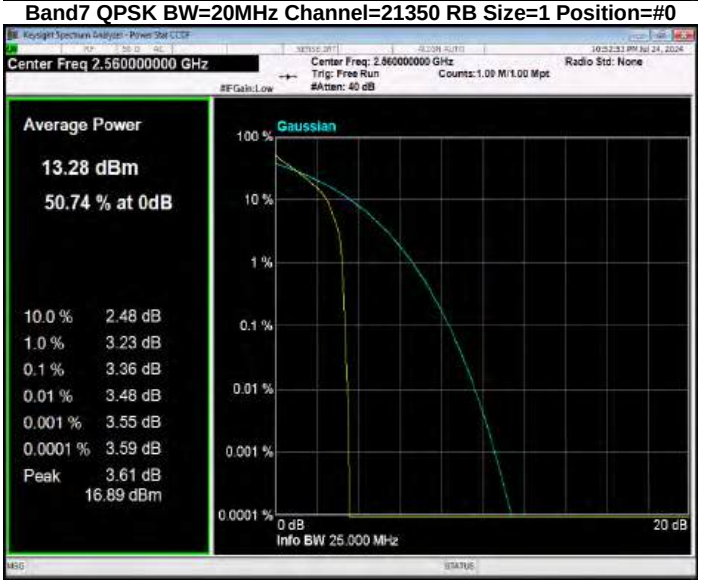
Band7 QPSK BW=15MHz Channel=21375 RB Size=1 Position=#0



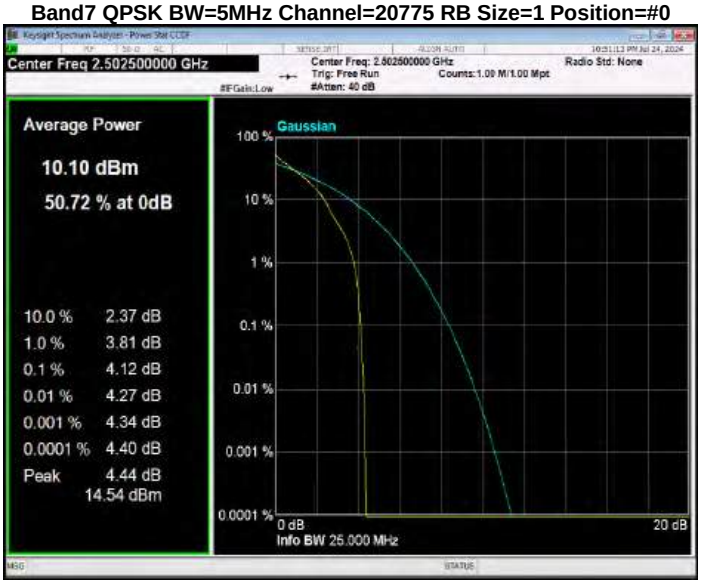
Band7 QPSK BW=20MHz Channel=20850 RB Size=1 Position=#0

Band7 QPSK BW=20MHz Channel=21100 RB Size=1 Position=#0

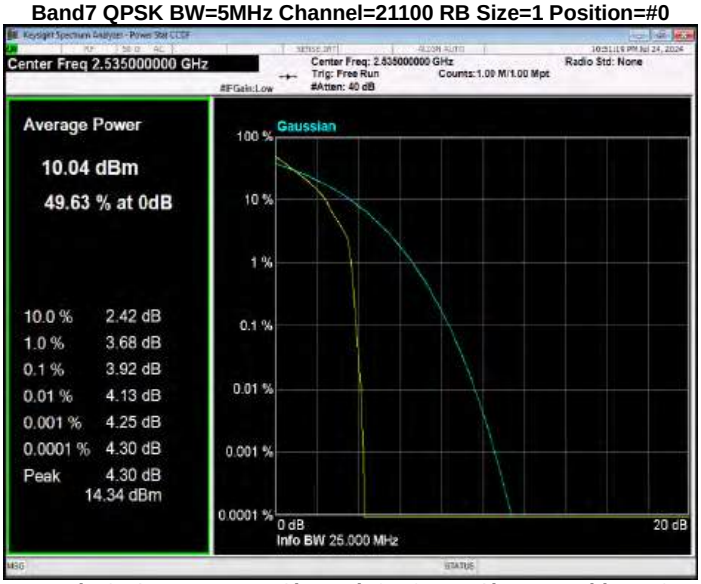
Band7 QPSK BW=20MHz Channel=21350 RB Size=1 Position=#0



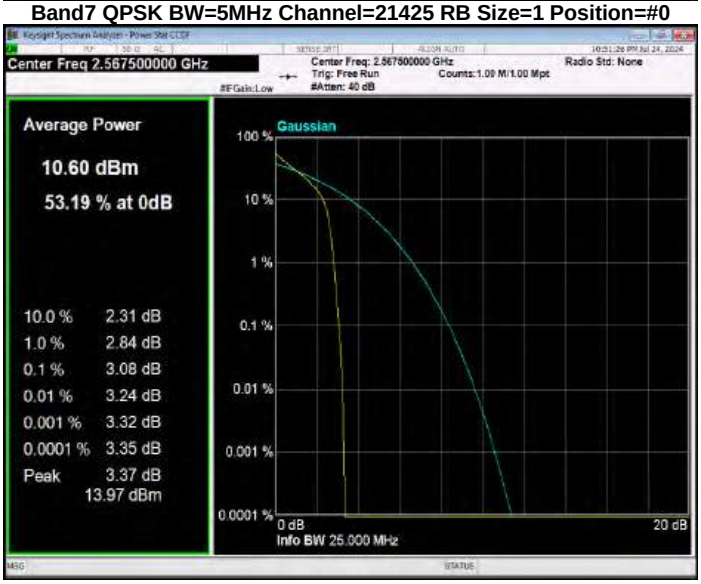
Band7 QPSK BW=5MHz Channel=20775 RB Size=1 Position=#0



Band7 QPSK BW=5MHz Channel=21100 RB Size=1 Position=#0

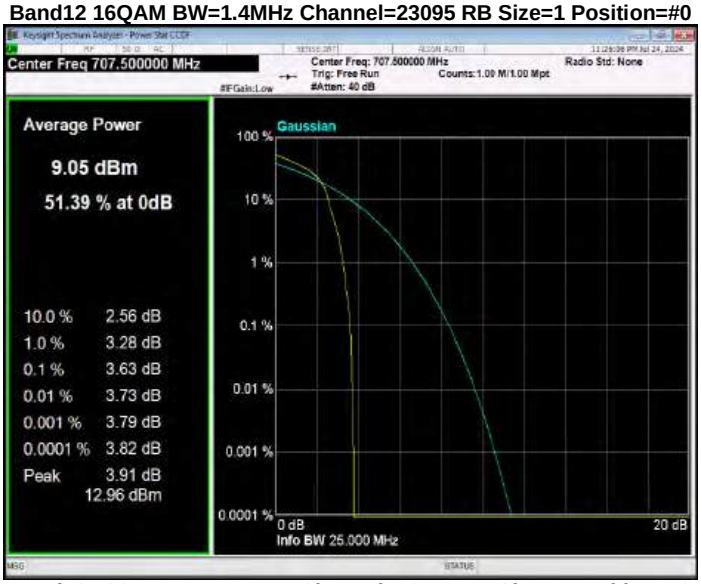


Band7 QPSK BW=5MHz Channel=21425 RB Size=1 Position=#0

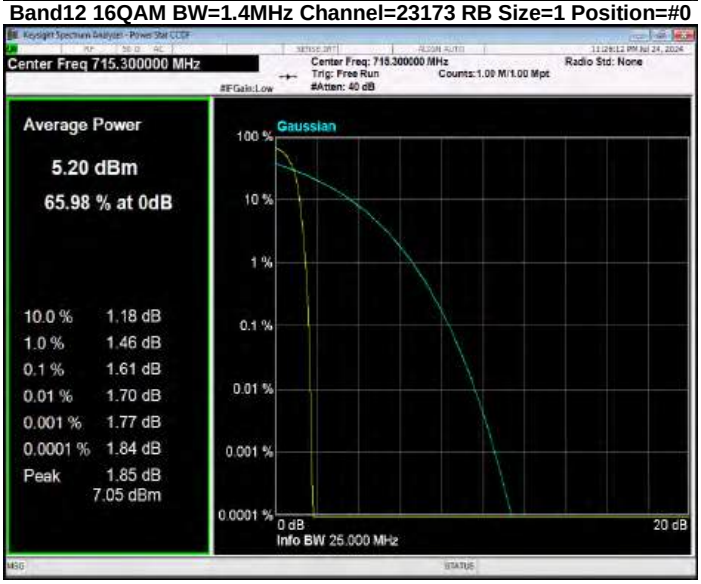


Band12 16QAM BW=1.4MHz Channel=23017 RB Size=1 Position=#0

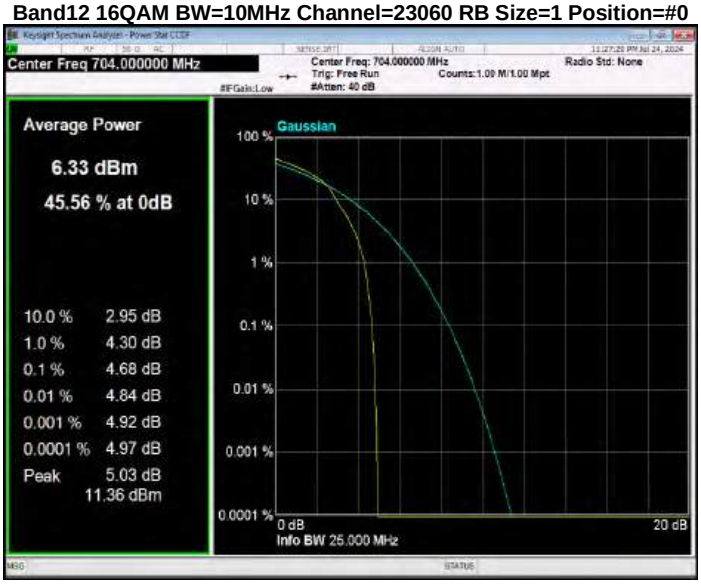
Band12 16QAM BW=1.4MHz Channel=23095 RB Size=1 Position=#0



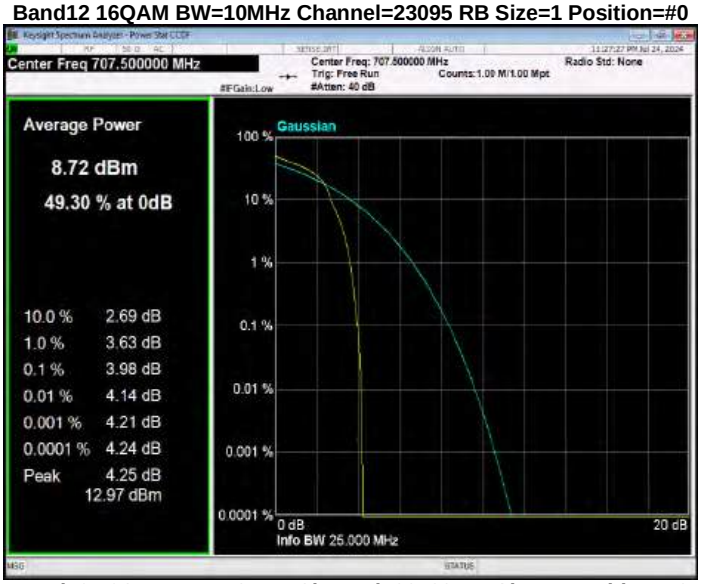
Band12 16QAM BW=1.4MHz Channel=23173 RB Size=1 Position=#0



Band12 16QAM BW=10MHz Channel=23060 RB Size=1 Position=#0



Band12 16QAM BW=10MHz Channel=23095 RB Size=1 Position=#0



Band12 16QAM BW=10MHz Channel=23130 RB Size=1 Position=#0

Band12 16QAM BW=3MHz Channel=23025 RB Size=1 Position=#0

Band12 16QAM BW=3MHz Channel=23095 RB Size=1 Position=#0

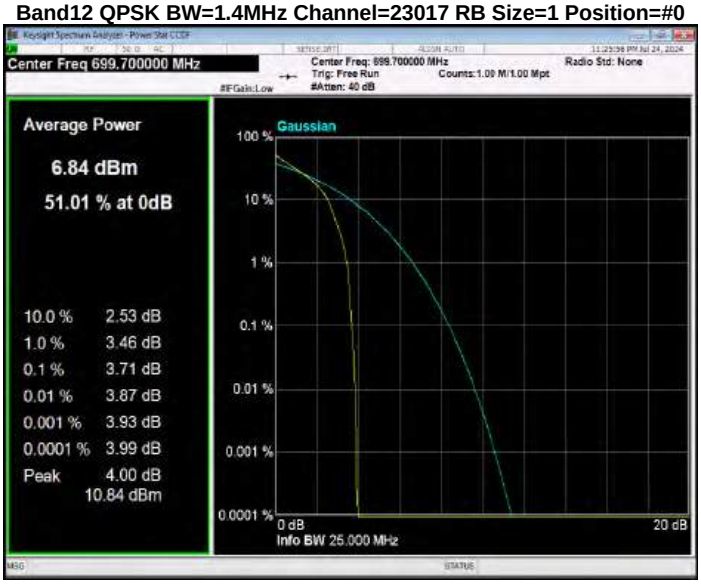
Band12 16QAM BW=3MHz Channel=23165 RB Size=1 Position=#0

Band12 16QAM BW=5MHz Channel=23035 RB Size=1 Position=#0

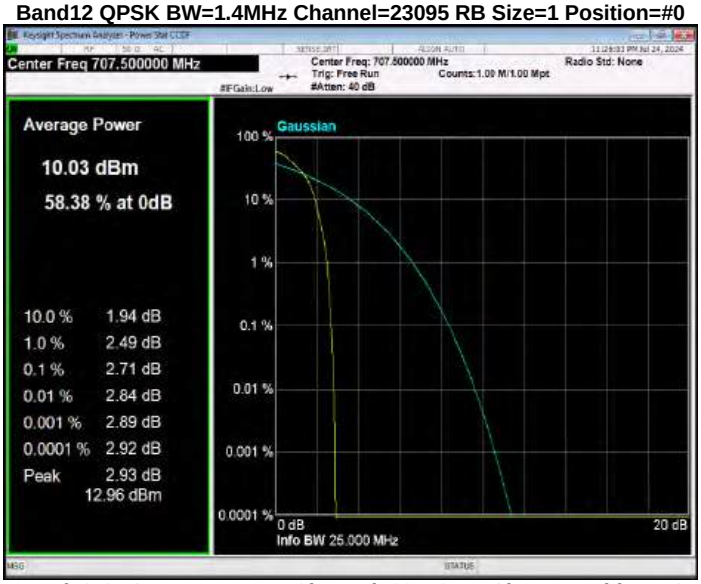
Band12 16QAM BW=5MHz Channel=23095 RB Size=1 Position=#0

Band12 16QAM BW=5MHz Channel=23155 RB Size=1 Position=#0

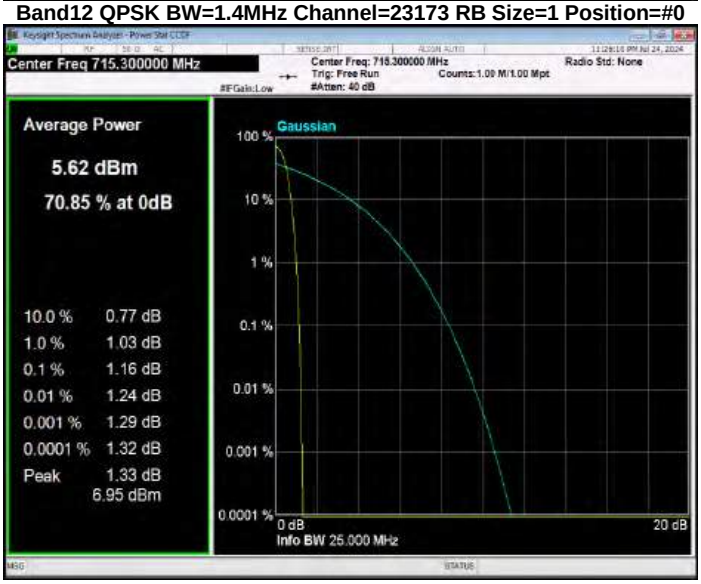
Band12 QPSK BW=1.4MHz Channel=23017 RB Size=1 Position=#0



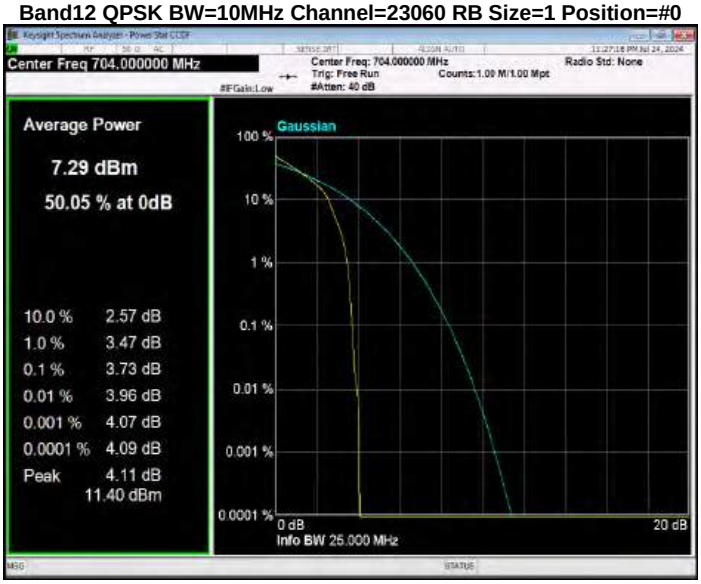
Band12 QPSK BW=1.4MHz Channel=23095 RB Size=1 Position=#0



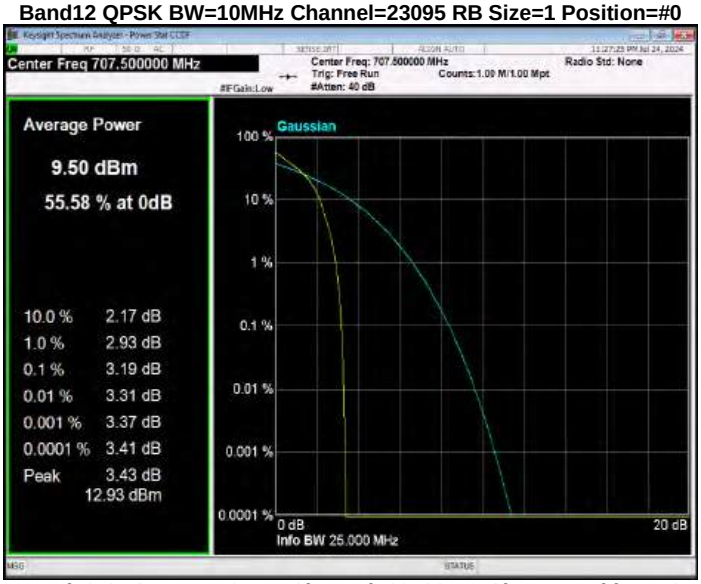
Band12 QPSK BW=1.4MHz Channel=23173 RB Size=1 Position=#0



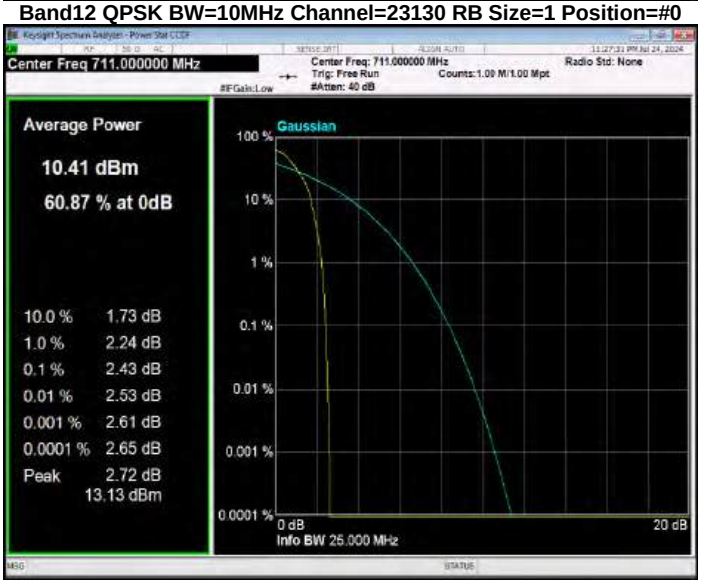
Band12 QPSK BW=10MHz Channel=23060 RB Size=1 Position=#0



Band12 QPSK BW=10MHz Channel=23095 RB Size=1 Position=#0

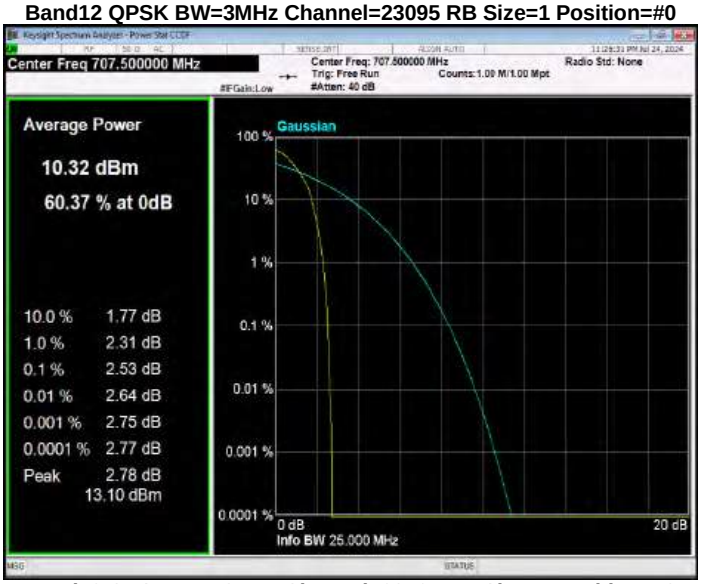


Band12 QPSK BW=10MHz Channel=23130 RB Size=1 Position=#0

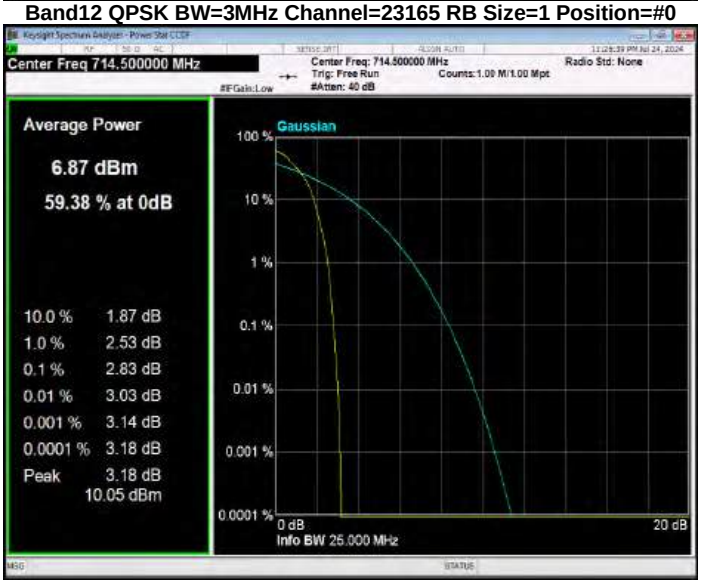


Band12 QPSK BW=3MHz Channel=23025 RB Size=1 Position=#0

Band12 QPSK BW=3MHz Channel=23095 RB Size=1 Position=#0

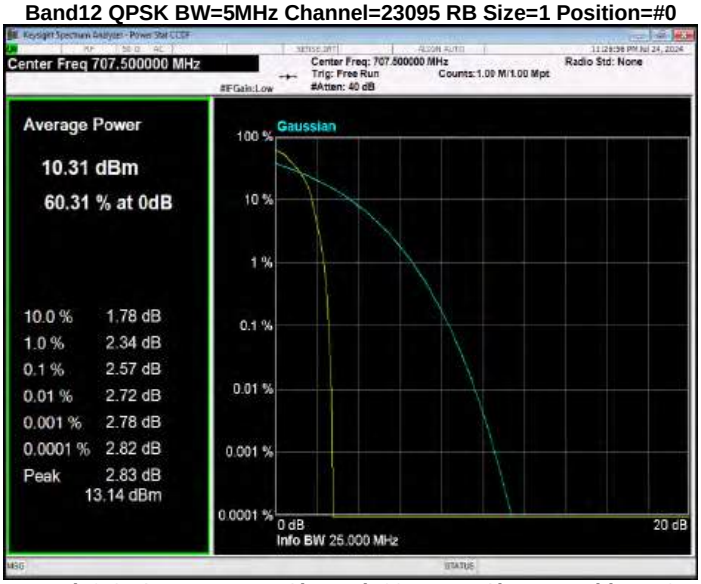


Band12 QPSK BW=3MHz Channel=23165 RB Size=1 Position=#0

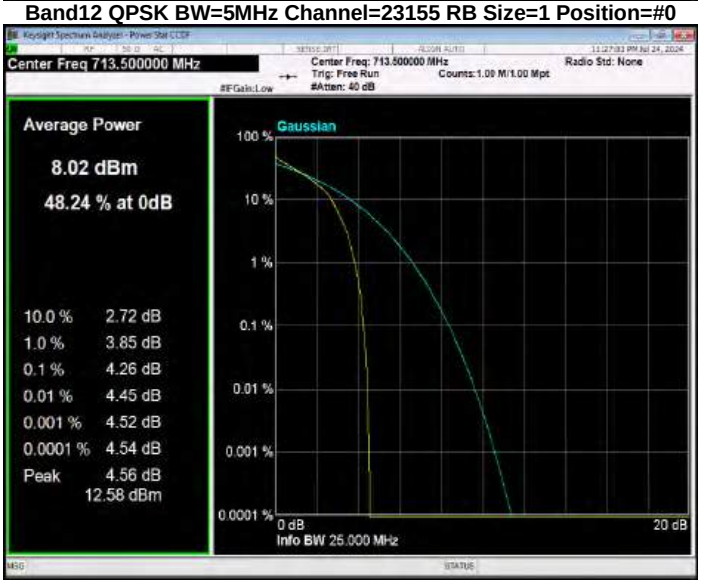


Band12 QPSK BW=5MHz Channel=23035 RB Size=1 Position=#0

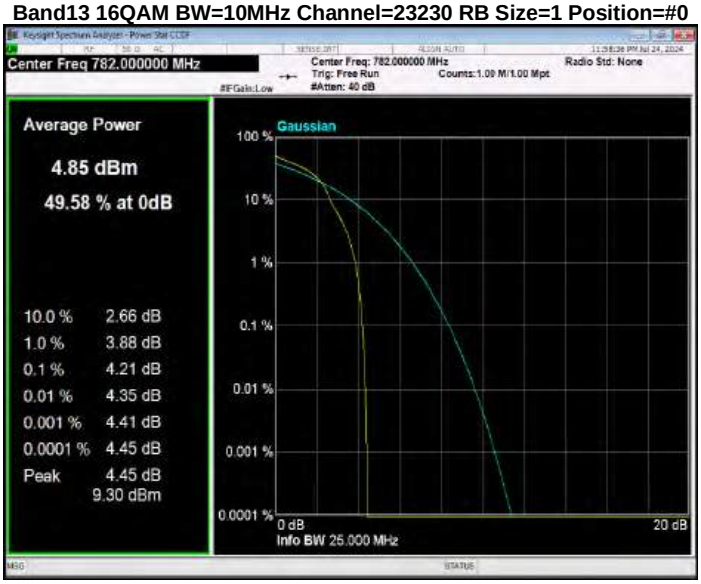
Band12 QPSK BW=5MHz Channel=23095 RB Size=1 Position=#0



Band12 QPSK BW=5MHz Channel=23155 RB Size=1 Position=#0



Band13 16QAM BW=10MHz Channel=23230 RB Size=1 Position=#0

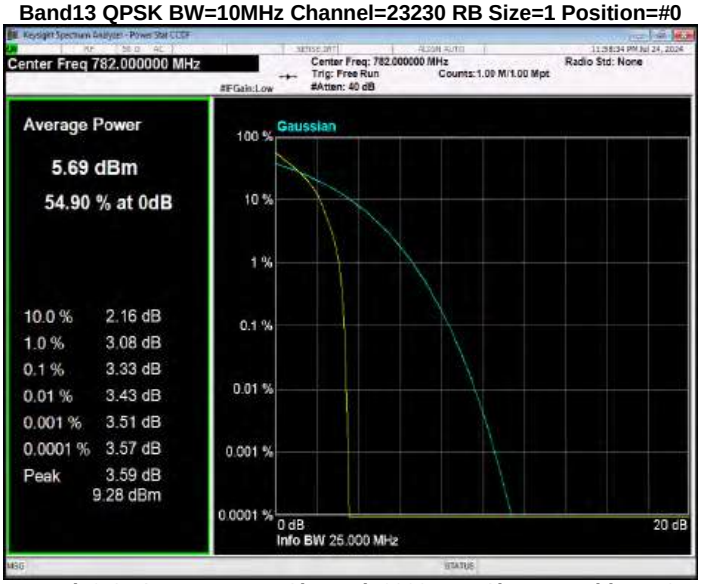


Band13 16QAM BW=5MHz Channel=23205 RB Size=1 Position=#0

Band13 16QAM BW=5MHz Channel=23230 RB Size=1 Position=#0

Band13 16QAM BW=5MHz Channel=23255 RB Size=1 Position=#0

Band13 QPSK BW=10MHz Channel=23230 RB Size=1 Position=#0



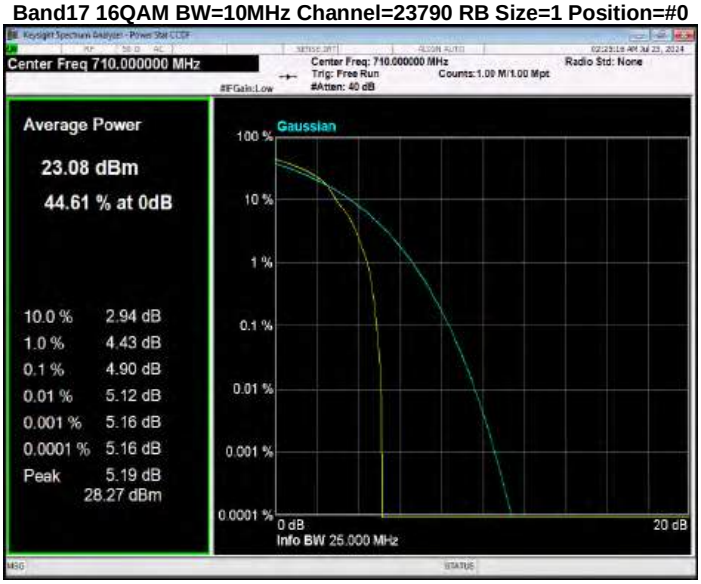
Band13 QPSK BW=5MHz Channel=23205 RB Size=1 Position=#0

Band13 QPSK BW=5MHz Channel=23230 RB Size=1 Position=#0

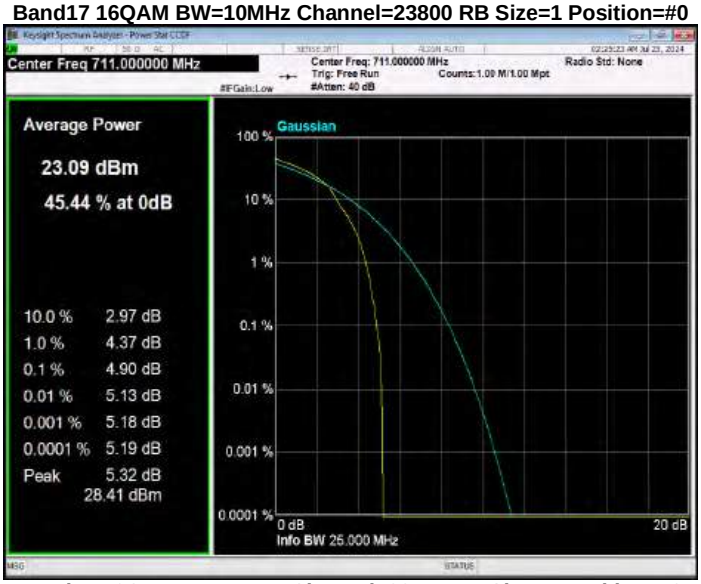
Band13 QPSK BW=5MHz Channel=23255 RB Size=1 Position=#0

Band17 16QAM BW=10MHz Channel=23780 RB Size=1 Position=#0

Band17 16QAM BW=10MHz Channel=23790 RB Size=1 Position=#0



Band17 16QAM BW=10MHz Channel=23800 RB Size=1 Position=#0

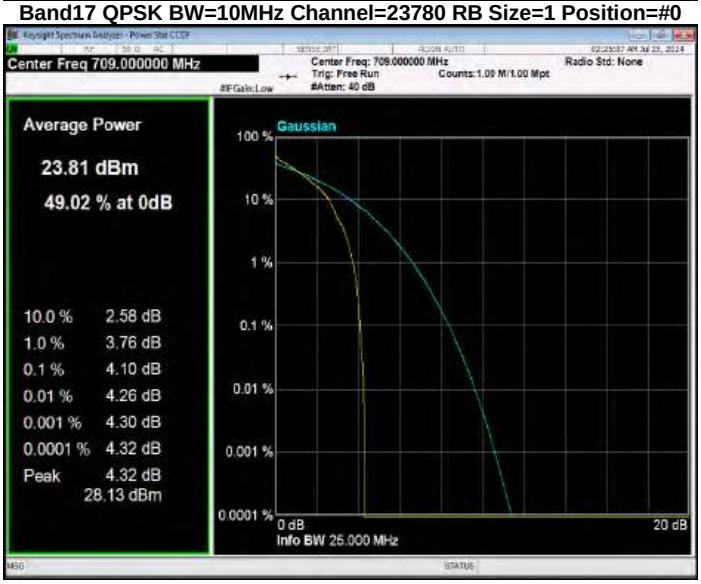


Band17 16QAM BW=5MHz Channel=23755 RB Size=1 Position=#0

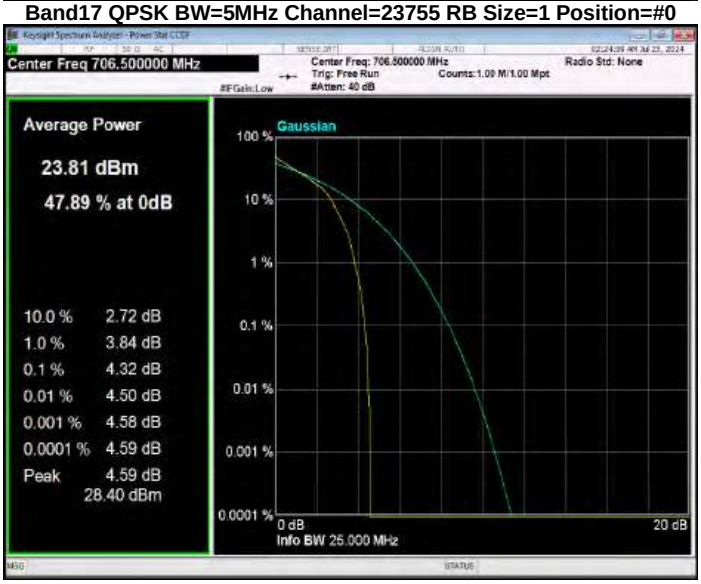
Band17 16QAM BW=5MHz Channel=23790 RB Size=1 Position=#0

Band17 16QAM BW=5MHz Channel=23825 RB Size=1 Position=#0

Band17 QPSK BW=10MHz Channel=23780 RB Size=1 Position=#0



Band17 QPSK BW=10MHz Channel=23790 RB Size=1 Position=#0

Band17 QPSK BW=10MHz Channel=23800 RB Size=1 Position=#0

Band17 QPSK BW=5MHz Channel=23755 RB Size=1 Position=#0