

Annex for FCC LTE Band 2

Test Report No. :CTL2203279012-WF06

Appendix A : RF Output Power

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	24.72	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	24.83	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	24.70	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	24.79	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	24.78	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	24.78	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	23.76	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	24.62	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	24.73	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	24.58	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	24.76	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	24.76	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	24.73	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	23.71	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	24.83	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	25.03	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	24.83	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	24.74	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	24.76	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	24.74	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	23.86	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	23.53	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	23.86	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	23.55	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	23.56	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	23.58	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	23.51	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	22.73	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	23.51	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	23.69	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	23.50	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	23.49	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	23.54	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	23.49	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	22.68	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	23.52	PASS

Band2	1.4MHz	16QAM	19193	1RB#2	23.69	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	23.49	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	23.51	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	23.52	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	23.47	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	22.75	PASS
Band2	3MHz	QPSK	18615	1RB#0	24.72	PASS
Band2	3MHz	QPSK	18615	1RB#8	24.82	PASS
Band2	3MHz	QPSK	18615	1RB#14	24.72	PASS
Band2	3MHz	QPSK	18615	8RB#0	23.74	PASS
Band2	3MHz	QPSK	18615	8RB#4	23.75	PASS
Band2	3MHz	QPSK	18615	8RB#7	23.73	PASS
Band2	3MHz	QPSK	18615	15RB#0	23.70	PASS
Band2	3MHz	QPSK	18900	1RB#0	24.63	PASS
Band2	3MHz	QPSK	18900	1RB#8	24.76	PASS
Band2	3MHz	QPSK	18900	1RB#14	24.70	PASS
Band2	3MHz	QPSK	18900	8RB#0	23.71	PASS
Band2	3MHz	QPSK	18900	8RB#4	23.68	PASS
Band2	3MHz	QPSK	18900	8RB#7	23.67	PASS
Band2	3MHz	QPSK	18900	15RB#0	23.64	PASS
Band2	3MHz	QPSK	19185	1RB#0	24.80	PASS
Band2	3MHz	QPSK	19185	1RB#8	24.92	PASS
Band2	3MHz	QPSK	19185	1RB#14	24.94	PASS
Band2	3MHz	QPSK	19185	8RB#0	23.80	PASS
Band2	3MHz	QPSK	19185	8RB#4	23.77	PASS
Band2	3MHz	QPSK	19185	8RB#7	23.82	PASS
Band2	3MHz	QPSK	19185	15RB#0	23.78	PASS
Band2	3MHz	16QAM	18615	1RB#0	23.69	PASS
Band2	3MHz	16QAM	18615	1RB#8	23.74	PASS
Band2	3MHz	16QAM	18615	1RB#14	23.58	PASS
Band2	3MHz	16QAM	18615	8RB#0	22.75	PASS
Band2	3MHz	16QAM	18615	8RB#4	22.72	PASS
Band2	3MHz	16QAM	18615	8RB#7	22.66	PASS
Band2	3MHz	16QAM	18615	15RB#0	22.65	PASS
Band2	3MHz	16QAM	18900	1RB#0	23.57	PASS
Band2	3MHz	16QAM	18900	1RB#8	23.53	PASS
Band2	3MHz	16QAM	18900	1RB#14	23.51	PASS
Band2	3MHz	16QAM	18900	8RB#0	22.73	PASS
Band2	3MHz	16QAM	18900	8RB#4	22.66	PASS
Band2	3MHz	16QAM	18900	8RB#7	22.65	PASS
Band2	3MHz	16QAM	18900	15RB#0	22.66	PASS
Band2	3MHz	16QAM	19185	1RB#0	23.59	PASS
Band2	3MHz	16QAM	19185	1RB#8	23.53	PASS
Band2	3MHz	16QAM	19185	1RB#14	23.70	PASS
Band2	3MHz	16QAM	19185	8RB#0	22.74	PASS
Band2	3MHz	16QAM	19185	8RB#4	22.77	PASS

Band2	3MHz	16QAM	19185	8RB#7	22.73	PASS
Band2	3MHz	16QAM	19185	15RB#0	22.68	PASS
Band2	5MHz	QPSK	18625	1RB#0	24.76	PASS
Band2	5MHz	QPSK	18625	1RB#12	24.91	PASS
Band2	5MHz	QPSK	18625	1RB#24	24.72	PASS
Band2	5MHz	QPSK	18625	12RB#0	23.76	PASS
Band2	5MHz	QPSK	18625	12RB#6	23.78	PASS
Band2	5MHz	QPSK	18625	12RB#13	23.78	PASS
Band2	5MHz	QPSK	18625	25RB#0	23.79	PASS
Band2	5MHz	QPSK	18900	1RB#0	24.65	PASS
Band2	5MHz	QPSK	18900	1RB#12	24.74	PASS
Band2	5MHz	QPSK	18900	1RB#24	24.58	PASS
Band2	5MHz	QPSK	18900	12RB#0	23.73	PASS
Band2	5MHz	QPSK	18900	12RB#6	23.76	PASS
Band2	5MHz	QPSK	18900	12RB#13	23.67	PASS
Band2	5MHz	QPSK	18900	25RB#0	23.71	PASS
Band2	5MHz	QPSK	19175	1RB#0	24.74	PASS
Band2	5MHz	QPSK	19175	1RB#12	24.92	PASS
Band2	5MHz	QPSK	19175	1RB#24	24.81	PASS
Band2	5MHz	QPSK	19175	12RB#0	23.83	PASS
Band2	5MHz	QPSK	19175	12RB#6	23.83	PASS
Band2	5MHz	QPSK	19175	12RB#13	23.77	PASS
Band2	5MHz	QPSK	19175	25RB#0	23.77	PASS
Band2	5MHz	16QAM	18625	1RB#0	23.67	PASS
Band2	5MHz	16QAM	18625	1RB#12	23.82	PASS
Band2	5MHz	16QAM	18625	1RB#24	23.67	PASS
Band2	5MHz	16QAM	18625	12RB#0	22.71	PASS
Band2	5MHz	16QAM	18625	12RB#6	22.75	PASS
Band2	5MHz	16QAM	18625	12RB#13	22.77	PASS
Band2	5MHz	16QAM	18625	25RB#0	22.78	PASS
Band2	5MHz	16QAM	18900	1RB#0	23.68	PASS
Band2	5MHz	16QAM	18900	1RB#12	23.81	PASS
Band2	5MHz	16QAM	18900	1RB#24	23.65	PASS
Band2	5MHz	16QAM	18900	12RB#0	22.79	PASS
Band2	5MHz	16QAM	18900	12RB#6	22.73	PASS
Band2	5MHz	16QAM	18900	12RB#13	22.70	PASS
Band2	5MHz	16QAM	18900	25RB#0	22.70	PASS
Band2	5MHz	16QAM	19175	1RB#0	23.64	PASS
Band2	5MHz	16QAM	19175	1RB#12	23.79	PASS
Band2	5MHz	16QAM	19175	1RB#24	23.61	PASS
Band2	5MHz	16QAM	19175	12RB#0	22.74	PASS
Band2	5MHz	16QAM	19175	12RB#6	22.77	PASS
Band2	5MHz	16QAM	19175	12RB#13	22.67	PASS
Band2	5MHz	16QAM	19175	25RB#0	22.80	PASS
Band2	10MHz	QPSK	18650	1RB#0	24.82	PASS
Band2	10MHz	QPSK	18650	1RB#24	24.97	PASS

Band2	10MHz	QPSK	18650	1RB#49	24.81	PASS
Band2	10MHz	QPSK	18650	25RB#0	23.89	PASS
Band2	10MHz	QPSK	18650	25RB#12	23.82	PASS
Band2	10MHz	QPSK	18650	25RB#25	23.90	PASS
Band2	10MHz	QPSK	18650	50RB#0	23.88	PASS
Band2	10MHz	QPSK	18900	1RB#0	24.86	PASS
Band2	10MHz	QPSK	18900	1RB#24	24.84	PASS
Band2	10MHz	QPSK	18900	1RB#49	24.74	PASS
Band2	10MHz	QPSK	18900	25RB#0	23.87	PASS
Band2	10MHz	QPSK	18900	25RB#12	23.85	PASS
Band2	10MHz	QPSK	18900	25RB#25	23.72	PASS
Band2	10MHz	QPSK	18900	50RB#0	23.76	PASS
Band2	10MHz	QPSK	19150	1RB#0	24.77	PASS
Band2	10MHz	QPSK	19150	1RB#24	24.83	PASS
Band2	10MHz	QPSK	19150	1RB#49	24.85	PASS
Band2	10MHz	QPSK	19150	25RB#0	24.05	PASS
Band2	10MHz	QPSK	19150	25RB#12	24.03	PASS
Band2	10MHz	QPSK	19150	25RB#25	23.82	PASS
Band2	10MHz	QPSK	19150	50RB#0	23.89	PASS
Band2	10MHz	16QAM	18650	1RB#0	23.76	PASS
Band2	10MHz	16QAM	18650	1RB#24	23.91	PASS
Band2	10MHz	16QAM	18650	1RB#49	23.83	PASS
Band2	10MHz	16QAM	18650	25RB#0	22.86	PASS
Band2	10MHz	16QAM	18650	25RB#12	22.86	PASS
Band2	10MHz	16QAM	18650	25RB#25	22.92	PASS
Band2	10MHz	16QAM	18650	50RB#0	22.89	PASS
Band2	10MHz	16QAM	18900	1RB#0	23.59	PASS
Band2	10MHz	16QAM	18900	1RB#24	23.65	PASS
Band2	10MHz	16QAM	18900	1RB#49	23.51	PASS
Band2	10MHz	16QAM	18900	25RB#0	22.88	PASS
Band2	10MHz	16QAM	18900	25RB#12	22.87	PASS
Band2	10MHz	16QAM	18900	25RB#25	22.74	PASS
Band2	10MHz	16QAM	18900	50RB#0	22.82	PASS
Band2	10MHz	16QAM	19150	1RB#0	23.73	PASS
Band2	10MHz	16QAM	19150	1RB#24	23.79	PASS
Band2	10MHz	16QAM	19150	1RB#49	23.70	PASS
Band2	10MHz	16QAM	19150	25RB#0	22.98	PASS
Band2	10MHz	16QAM	19150	25RB#12	23.01	PASS
Band2	10MHz	16QAM	19150	25RB#25	22.80	PASS
Band2	10MHz	16QAM	19150	50RB#0	22.91	PASS
Band2	15MHz	QPSK	18675	1RB#0	24.78	PASS
Band2	15MHz	QPSK	18675	1RB#38	24.87	PASS
Band2	15MHz	QPSK	18675	1RB#74	24.67	PASS
Band2	15MHz	QPSK	18675	38RB#0	23.83	PASS
Band2	15MHz	QPSK	18675	38RB#18	23.93	PASS
Band2	15MHz	QPSK	18675	38RB#37	23.78	PASS

Band2	15MHz	QPSK	18675	75RB#0	23.94	PASS
Band2	15MHz	QPSK	18900	1RB#0	24.73	PASS
Band2	15MHz	QPSK	18900	1RB#38	24.69	PASS
Band2	15MHz	QPSK	18900	1RB#74	24.51	PASS
Band2	15MHz	QPSK	18900	38RB#0	23.78	PASS
Band2	15MHz	QPSK	18900	38RB#18	23.81	PASS
Band2	15MHz	QPSK	18900	38RB#37	23.61	PASS
Band2	15MHz	QPSK	18900	75RB#0	23.88	PASS
Band2	15MHz	QPSK	19125	1RB#0	24.72	PASS
Band2	15MHz	QPSK	19125	1RB#38	24.73	PASS
Band2	15MHz	QPSK	19125	1RB#74	24.74	PASS
Band2	15MHz	QPSK	19125	38RB#0	23.71	PASS
Band2	15MHz	QPSK	19125	38RB#18	23.79	PASS
Band2	15MHz	QPSK	19125	38RB#37	23.74	PASS
Band2	15MHz	QPSK	19125	75RB#0	23.94	PASS
Band2	15MHz	16QAM	18675	1RB#0	23.73	PASS
Band2	15MHz	16QAM	18675	1RB#38	23.85	PASS
Band2	15MHz	16QAM	18675	1RB#74	23.68	PASS
Band2	15MHz	16QAM	18675	38RB#0	23.70	PASS
Band2	15MHz	16QAM	18675	38RB#18	23.86	PASS
Band2	15MHz	16QAM	18675	38RB#37	23.71	PASS
Band2	15MHz	16QAM	18675	75RB#0	22.90	PASS
Band2	15MHz	16QAM	18900	1RB#0	23.81	PASS
Band2	15MHz	16QAM	18900	1RB#38	23.85	PASS
Band2	15MHz	16QAM	18900	1RB#74	23.60	PASS
Band2	15MHz	16QAM	18900	38RB#0	23.72	PASS
Band2	15MHz	16QAM	18900	38RB#18	23.79	PASS
Band2	15MHz	16QAM	18900	38RB#37	23.58	PASS
Band2	15MHz	16QAM	18900	75RB#0	22.82	PASS
Band2	15MHz	16QAM	19125	1RB#0	23.59	PASS
Band2	15MHz	16QAM	19125	1RB#38	23.74	PASS
Band2	15MHz	16QAM	19125	1RB#74	23.48	PASS
Band2	15MHz	16QAM	19125	38RB#0	23.75	PASS
Band2	15MHz	16QAM	19125	38RB#18	23.77	PASS
Band2	15MHz	16QAM	19125	38RB#37	23.65	PASS
Band2	15MHz	16QAM	19125	75RB#0	22.90	PASS
Band2	20MHz	QPSK	18700	1RB#0	24.62	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.67	PASS
Band2	20MHz	QPSK	18700	1RB#99	24.54	PASS
Band2	20MHz	QPSK	18700	50RB#0	23.80	PASS
Band2	20MHz	QPSK	18700	50RB#25	23.77	PASS
Band2	20MHz	QPSK	18700	50RB#50	23.88	PASS
Band2	20MHz	QPSK	18700	100RB#0	23.83	PASS
Band2	20MHz	QPSK	18900	1RB#0	24.62	PASS
Band2	20MHz	QPSK	18900	1RB#49	24.74	PASS
Band2	20MHz	QPSK	18900	1RB#99	24.39	PASS

Band2	20MHz	QPSK	18900	50RB#0	23.80	PASS
Band2	20MHz	QPSK	18900	50RB#25	23.78	PASS
Band2	20MHz	QPSK	18900	50RB#50	23.67	PASS
Band2	20MHz	QPSK	18900	100RB#0	23.75	PASS
Band2	20MHz	QPSK	19100	1RB#0	24.52	PASS
Band2	20MHz	QPSK	19100	1RB#49	24.95	PASS
Band2	20MHz	QPSK	19100	1RB#99	24.61	PASS
Band2	20MHz	QPSK	19100	50RB#0	23.79	PASS
Band2	20MHz	QPSK	19100	50RB#25	23.73	PASS
Band2	20MHz	QPSK	19100	50RB#50	23.56	PASS
Band2	20MHz	QPSK	19100	100RB#0	23.75	PASS
Band2	20MHz	16QAM	18700	1RB#0	23.75	PASS
Band2	20MHz	16QAM	18700	1RB#49	23.85	PASS
Band2	20MHz	16QAM	18700	1RB#99	23.31	PASS
Band2	20MHz	16QAM	18700	50RB#0	22.76	PASS
Band2	20MHz	16QAM	18700	50RB#25	22.79	PASS
Band2	20MHz	16QAM	18700	50RB#50	22.91	PASS
Band2	20MHz	16QAM	18700	100RB#0	22.83	PASS
Band2	20MHz	16QAM	18900	1RB#0	23.47	PASS
Band2	20MHz	16QAM	18900	1RB#49	23.75	PASS
Band2	20MHz	16QAM	18900	1RB#99	23.30	PASS
Band2	20MHz	16QAM	18900	50RB#0	22.81	PASS
Band2	20MHz	16QAM	18900	50RB#25	22.84	PASS
Band2	20MHz	16QAM	18900	50RB#50	22.72	PASS
Band2	20MHz	16QAM	18900	100RB#0	22.74	PASS
Band2	20MHz	16QAM	19100	1RB#0	23.41	PASS
Band2	20MHz	16QAM	19100	1RB#49	23.70	PASS
Band2	20MHz	16QAM	19100	1RB#99	23.42	PASS
Band2	20MHz	16QAM	19100	50RB#0	22.75	PASS
Band2	20MHz	16QAM	19100	50RB#25	22.77	PASS
Band2	20MHz	16QAM	19100	50RB#50	22.56	PASS
Band2	20MHz	16QAM	19100	100RB#0	22.72	PASS

Appendix B Max Effective (Isotropic) Radiated Power

Test Result

LTE Band 2								
Antenna Gain(dBi)		2.74						
EIRP Limit(W)		2.00						
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Output Power (dBm)	EIRP (dBm)	EIRP (W)	99% BW (KHz)	Emission Designator
1.4	QPSK	1850.7	1909.3	25.03	27.77	0.59841	1094.4	1M09G7D
	16QAM			23.86	26.60	0.45709	1099.0	1M10W7D
3.0	QPSK	1851.5	1908.5	24.94	27.68	0.58614	2692.8	2M69G7D
	16QAM			23.74	26.48	0.44463	2683.5	2M68W7D
5.0	QPSK	1852.5	1907.5	24.92	27.66	0.58345	4498.9	4M50G7D
	16QAM			23.82	26.56	0.45290	4495.1	4M50W7D
10.0	QPSK	1855.0	1905.0	24.97	27.71	0.59020	8993.5	8M99G7D
	16QAM			23.91	26.65	0.46238	8997.9	9M00W7D
15.0	QPSK	1857.5	1902.5	24.87	27.61	0.57677	13513	13M5G7D
	16QAM			23.86	26.60	0.45709	13496	13M5W7D
20.0	QPSK	1860.0	1900.0	24.95	27.69	0.58749	17973	18M0G7D
	16QAM			23.85	26.59	0.45604	17986	18M0W7D

Note: EIRP= Conducted Output Power + Antenna Gain

Appendix C : Peak-to-Average Ratio(CCDF)

Test Result

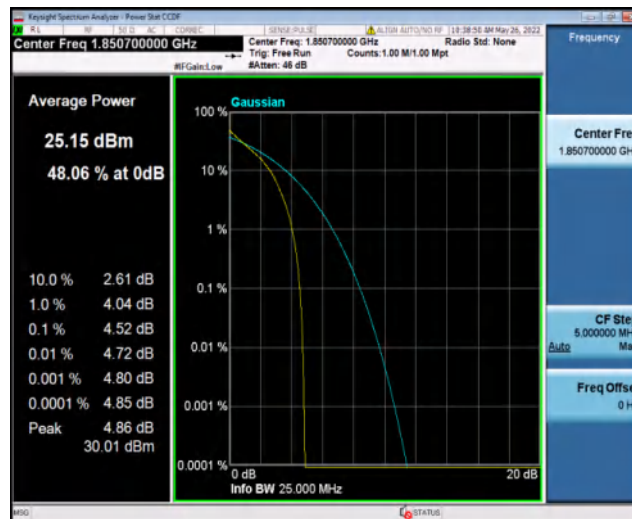
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	3.49	13	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	4.52	13	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	3.80	13	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	4.77	13	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	2.62	13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	3.66	13	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	4.70	13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	5.47	13	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	4.84	13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	5.72	13	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	3.93	13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	4.76	13	PASS
Band2	3MHz	QPSK	18615	1RB#0	3.45	13	PASS
Band2	3MHz	QPSK	18615	15RB#0	4.74	13	PASS
Band2	3MHz	QPSK	18900	1RB#0	3.79	13	PASS
Band2	3MHz	QPSK	18900	15RB#0	4.92	13	PASS
Band2	3MHz	QPSK	19185	1RB#0	3.18	13	PASS
Band2	3MHz	QPSK	19185	15RB#0	4.18	13	PASS
Band2	3MHz	16QAM	18615	1RB#0	4.48	13	PASS
Band2	3MHz	16QAM	18615	15RB#0	5.64	13	PASS
Band2	3MHz	16QAM	18900	1RB#0	4.73	13	PASS
Band2	3MHz	16QAM	18900	15RB#0	5.83	13	PASS
Band2	3MHz	16QAM	19185	1RB#0	4.25	13	PASS
Band2	3MHz	16QAM	19185	15RB#0	5.15	13	PASS
Band2	5MHz	QPSK	18625	1RB#0	3.56	13	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.75	13	PASS
Band2	5MHz	QPSK	18900	1RB#0	3.80	13	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.89	13	PASS
Band2	5MHz	QPSK	19175	1RB#0	3.48	13	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.31	13	PASS
Band2	5MHz	16QAM	18625	1RB#0	4.53	13	PASS
Band2	5MHz	16QAM	18625	25RB#0	5.64	13	PASS
Band2	5MHz	16QAM	18900	1RB#0	4.69	13	PASS
Band2	5MHz	16QAM	18900	25RB#0	5.74	13	PASS
Band2	5MHz	16QAM	19175	1RB#0	4.47	13	PASS
Band2	5MHz	16QAM	19175	25RB#0	5.26	13	PASS
Band2	10MHz	QPSK	18650	1RB#0	3.45	13	PASS
Band2	10MHz	QPSK	18650	50RB#0	4.86	13	PASS
Band2	10MHz	QPSK	18900	1RB#0	3.65	13	PASS
Band2	10MHz	QPSK	18900	50RB#0	4.90	13	PASS
Band2	10MHz	QPSK	19150	1RB#0	3.07	13	PASS
Band2	10MHz	QPSK	19150	50RB#0	4.50	13	PASS

Band2	10MHz	16QAM	18650	1RB#0	4.45	13	PASS
Band2	10MHz	16QAM	18650	50RB#0	5.76	13	PASS
Band2	10MHz	16QAM	18900	1RB#0	4.60	13	PASS
Band2	10MHz	16QAM	18900	50RB#0	5.78	13	PASS
Band2	10MHz	16QAM	19150	1RB#0	4.14	13	PASS
Band2	10MHz	16QAM	19150	50RB#0	5.44	13	PASS
Band2	15MHz	QPSK	18675	1RB#0	3.53	13	PASS
Band2	15MHz	QPSK	18675	75RB#0	5.20	13	PASS
Band2	15MHz	QPSK	18900	1RB#0	3.72	13	PASS
Band2	15MHz	QPSK	18900	75RB#0	5.21	13	PASS
Band2	15MHz	QPSK	19125	1RB#0	3.13	13	PASS
Band2	15MHz	QPSK	19125	75RB#0	4.83	13	PASS
Band2	15MHz	16QAM	18675	1RB#0	4.51	13	PASS
Band2	15MHz	16QAM	18675	75RB#0	5.96	13	PASS
Band2	15MHz	16QAM	18900	1RB#0	4.59	13	PASS
Band2	15MHz	16QAM	18900	75RB#0	5.99	13	PASS
Band2	15MHz	16QAM	19125	1RB#0	4.13	13	PASS
Band2	15MHz	16QAM	19125	75RB#0	5.66	13	PASS
Band2	20MHz	QPSK	18700	1RB#0	3.76	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	5.25	13	PASS
Band2	20MHz	QPSK	18900	1RB#0	3.82	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	5.26	13	PASS
Band2	20MHz	QPSK	19100	1RB#0	3.68	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	5.09	13	PASS
Band2	20MHz	16QAM	18700	1RB#0	4.62	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	6.01	13	PASS
Band2	20MHz	16QAM	18900	1RB#0	4.88	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	6.03	13	PASS
Band2	20MHz	16QAM	19100	1RB#0	4.75	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	5.86	13	PASS

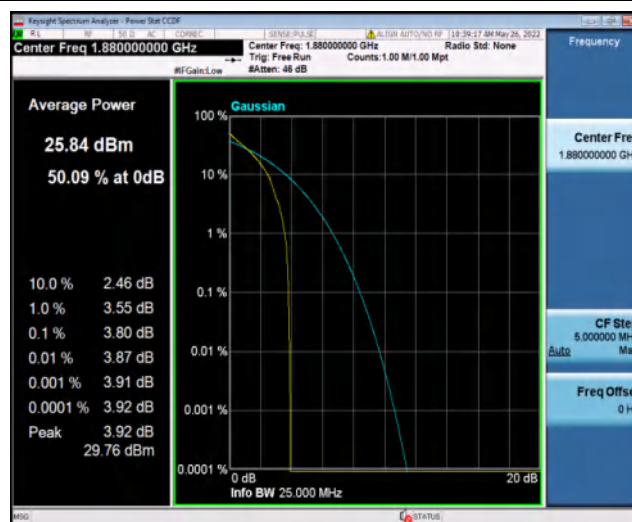
Test Graphs



Band2-1.4MHz-QPSK-18607-1RB#0



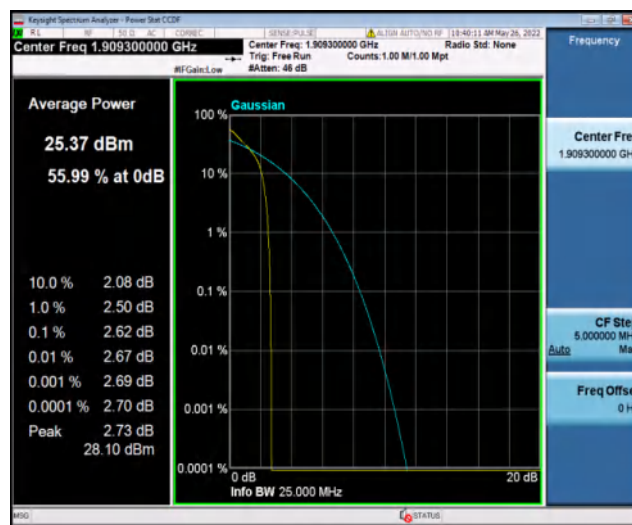
Band2-1.4MHz-QPSK-18607-6RB#0



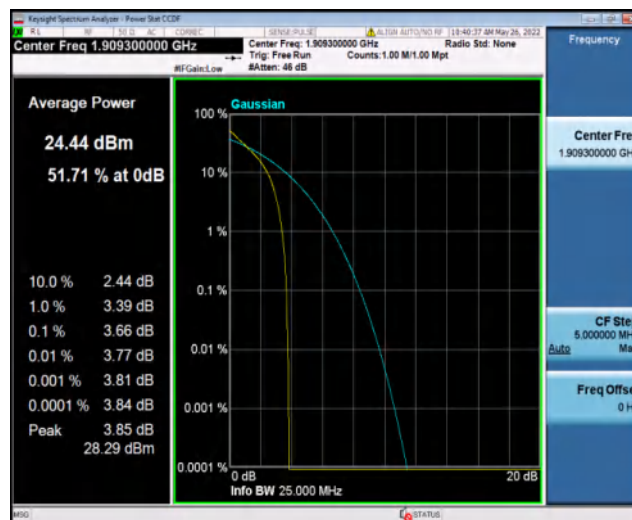
Band2-1.4MHz-QPSK-18900-1RB#0



Band2-1.4MHz-QPSK-18900-6RB#0



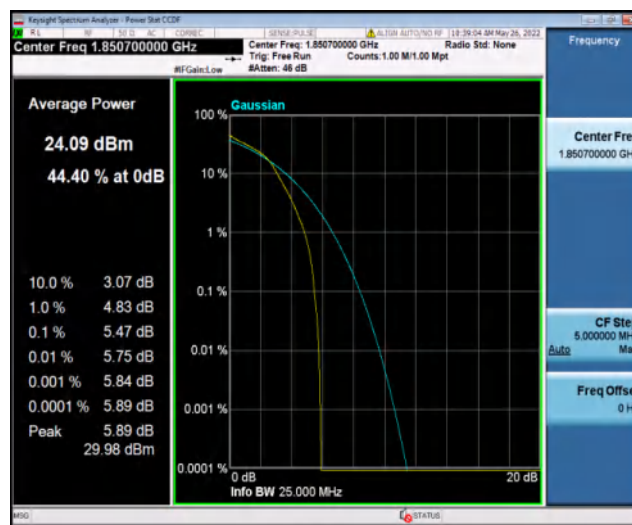
Band2-1.4MHz-QPSK-19193-1RB#0



Band2-1.4MHz-QPSK-19193-6RB#0



Band2-1.4MHz-16QAM-18607-1RB#0



Band2-1.4MHz-16QAM-18607-6RB#0



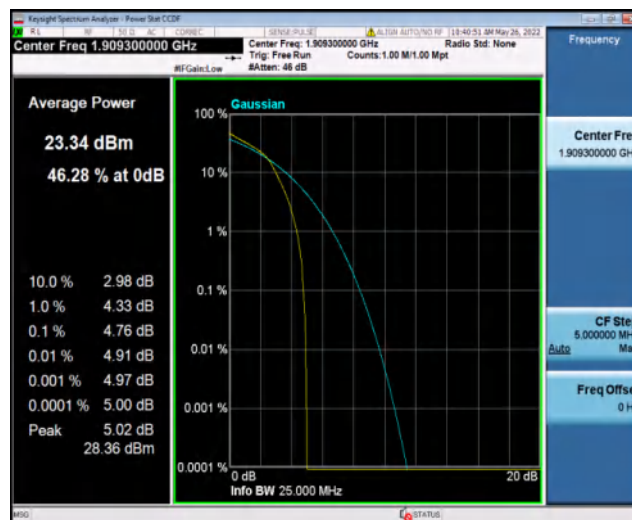
Band2-1.4MHz-16QAM-18900-1RB#0



Band2-1.4MHz-16QAM-18900-6RB#0



Band2-1.4MHz-16QAM-19193-1RB#0



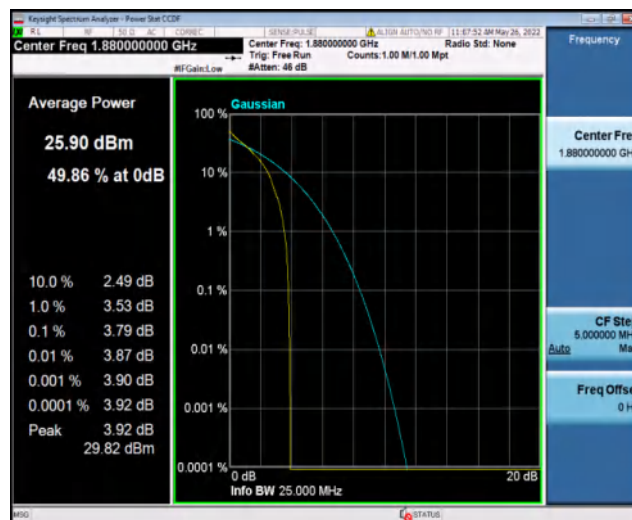
Band2-1.4MHz-16QAM-19193-6RB#0



Band2-3MHz-QPSK-18615-1RB#0



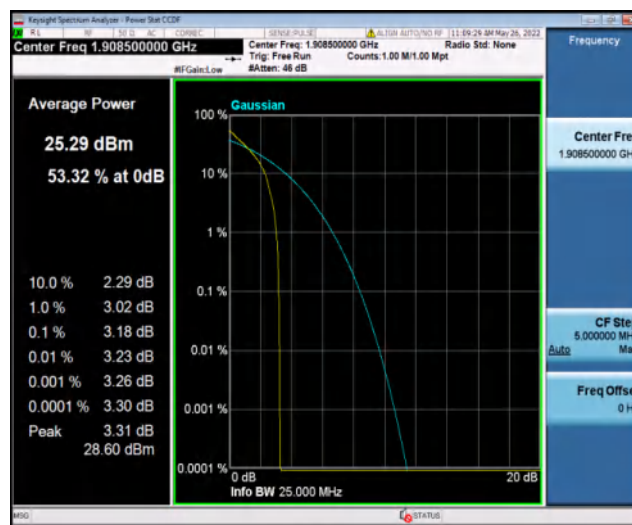
Band2-3MHz-QPSK-18615-15RB#0



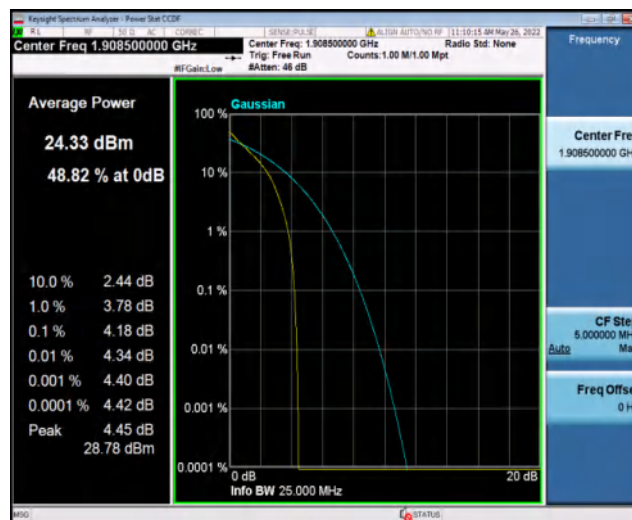
Band2-3MHz-QPSK-18900-1RB#0



Band2-3MHz-QPSK-18900-15RB#0



Band2-3MHz-QPSK-19185-1RB#0



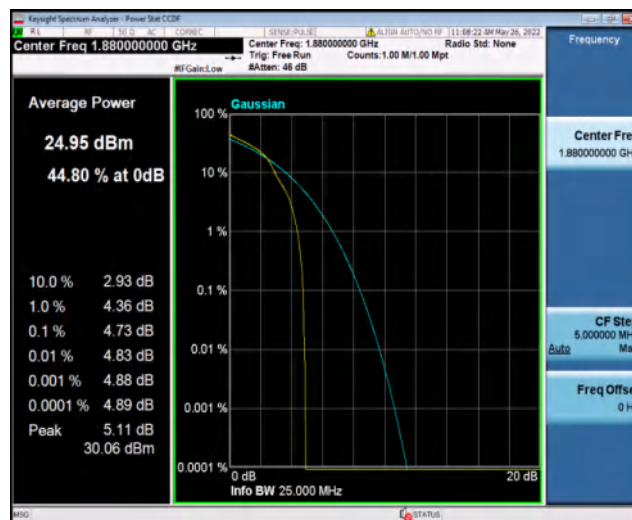
Band2-3MHz-QPSK-19185-15RB#0



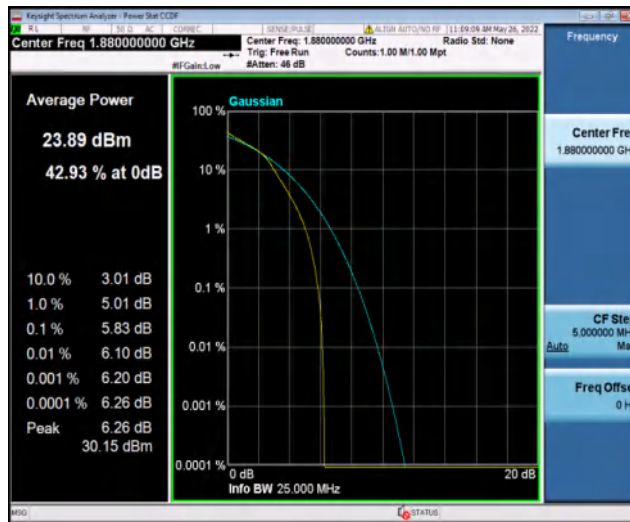
Band2-3MHz-16QAM-18615-1RB#0



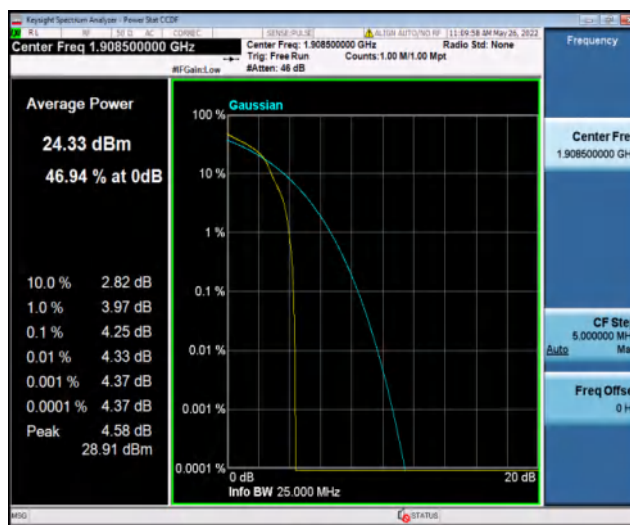
Band2-3MHz-16QAM-18615-15RB#0



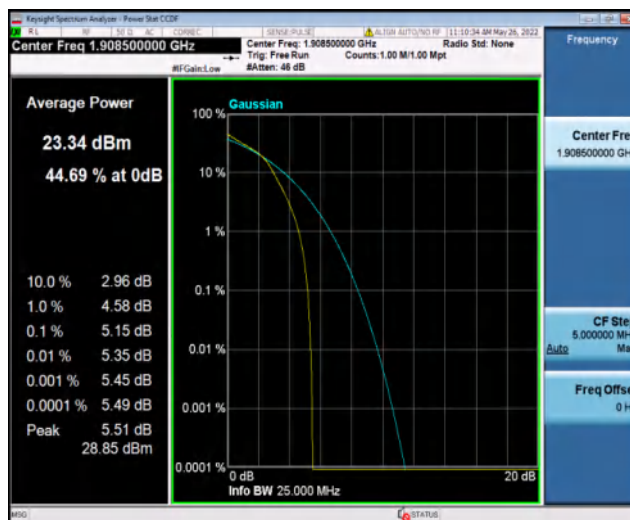
Band2-3MHz-16QAM-18900-1RB#0



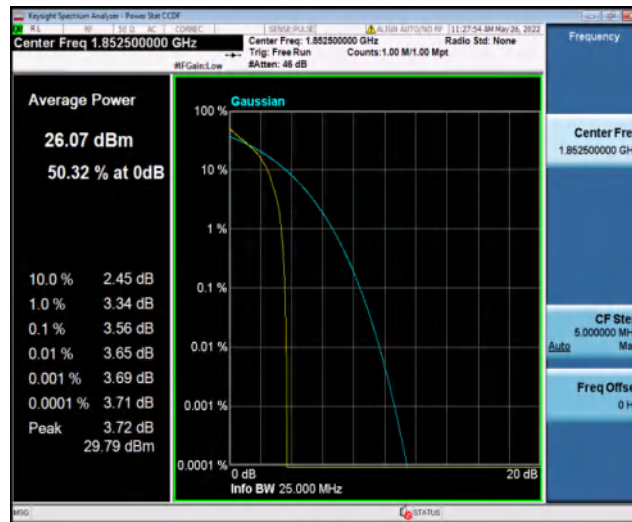
Band2-3MHz-16QAM-18900-15RB#0



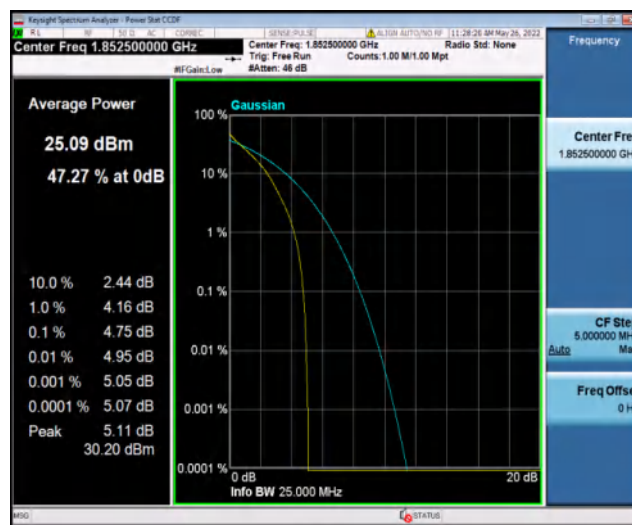
Band2-3MHz-16QAM-19185-1RB#0



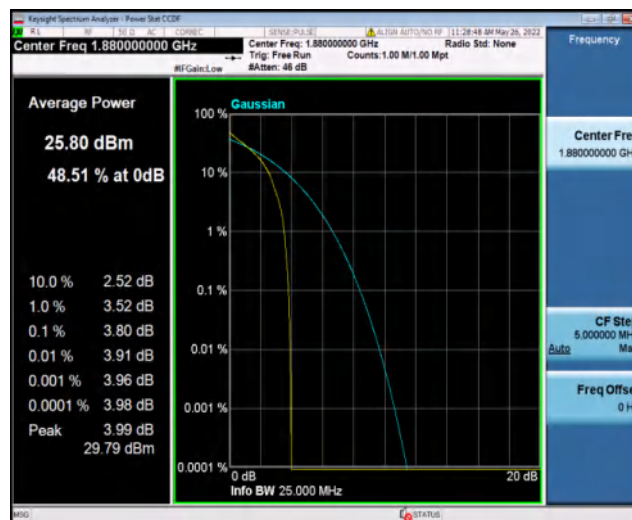
Band2-3MHz-16QAM-19185-15RB#0



Band2-5MHz-QPSK-18625-1RB#0



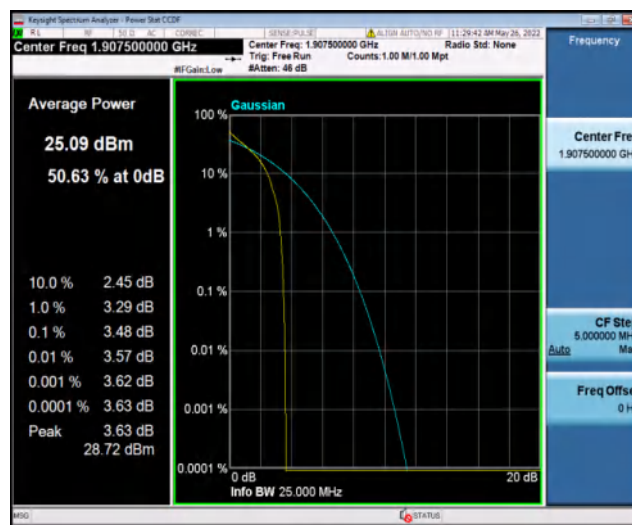
Band2-5MHz-QPSK-18625-25RB#0



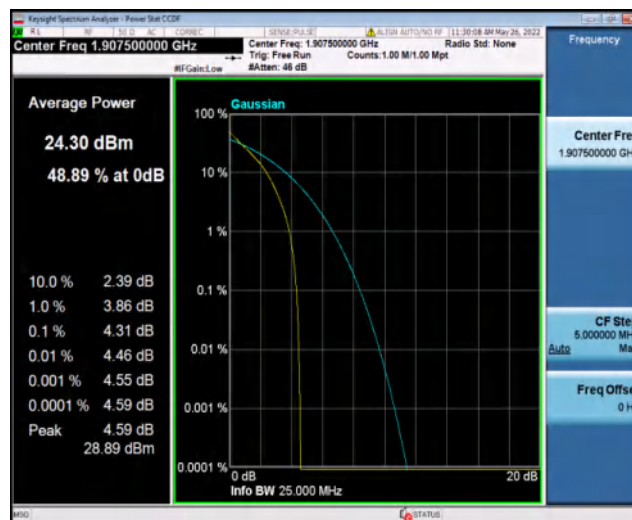
Band2-5MHz-QPSK-18900-1RB#0



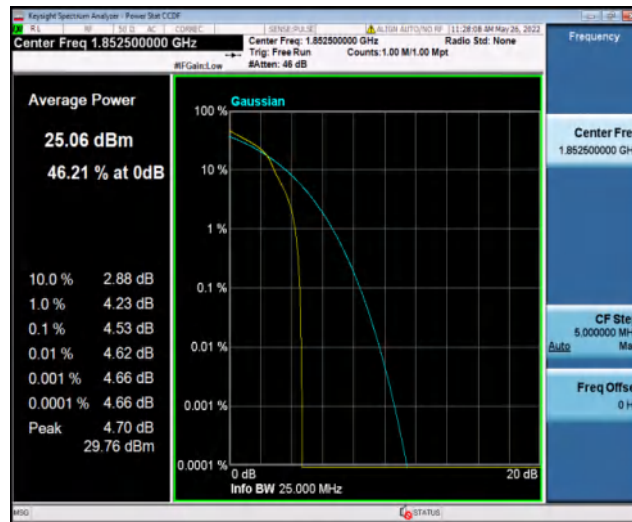
Band2-5MHz-QPSK-18900-25RB#0



Band2-5MHz-QPSK-19175-1RB#0



Band2-5MHz-QPSK-19175-25RB#0



Band2-5MHz-16QAM-18625-1RB#0



Band2-5MHz-16QAM-18625-25RB#0



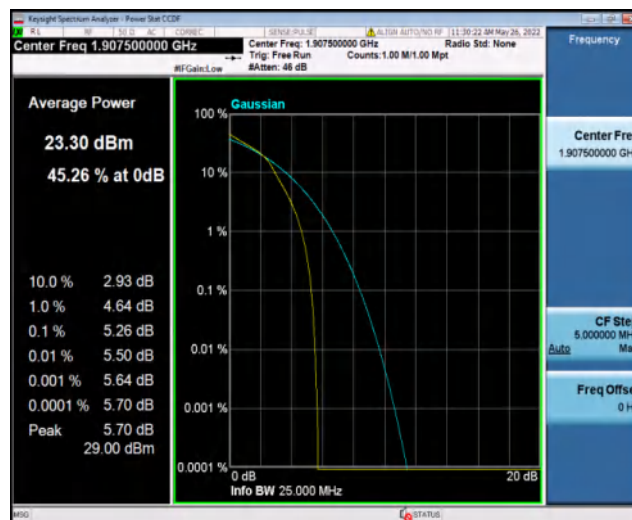
Band2-5MHz-16QAM-18900-1RB#0



Band2-5MHz-16QAM-18900-25RB#0



Band2-5MHz-16QAM-19175-1RB#0



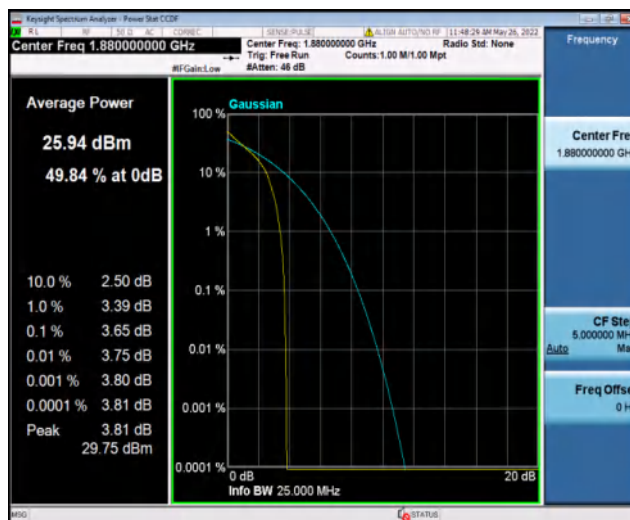
Band2-5MHz-16QAM-19175-25RB#0



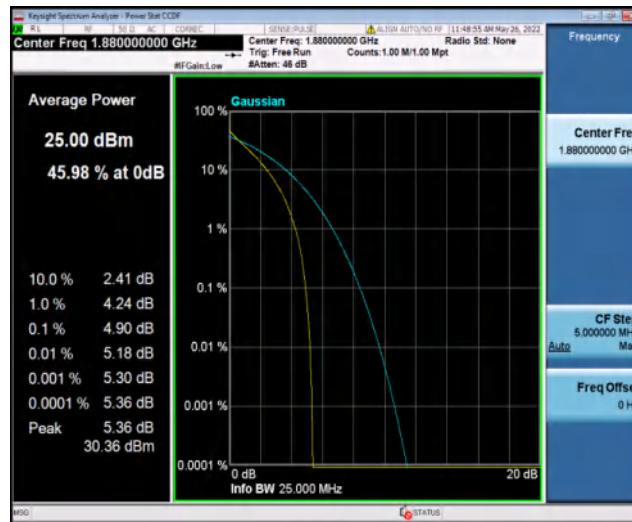
Band2-10MHz-QPSK-18650-1RB#0



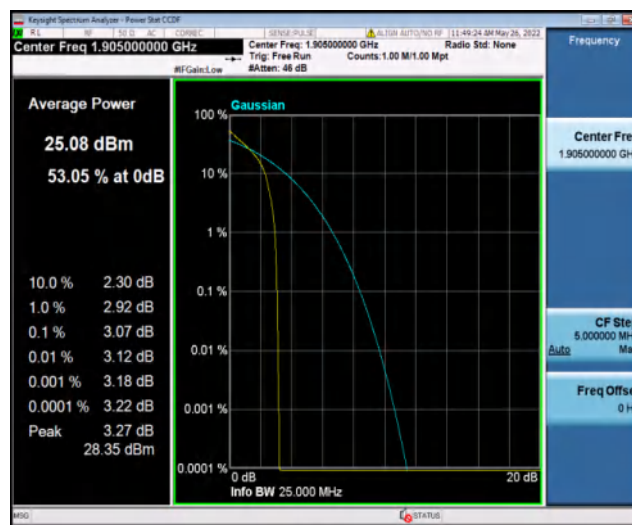
Band2-10MHz-QPSK-18650-50RB#0



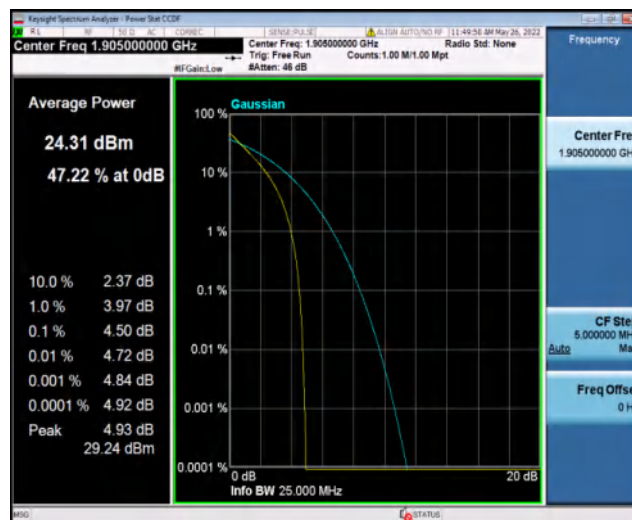
Band2-10MHz-QPSK-18900-1RB#0



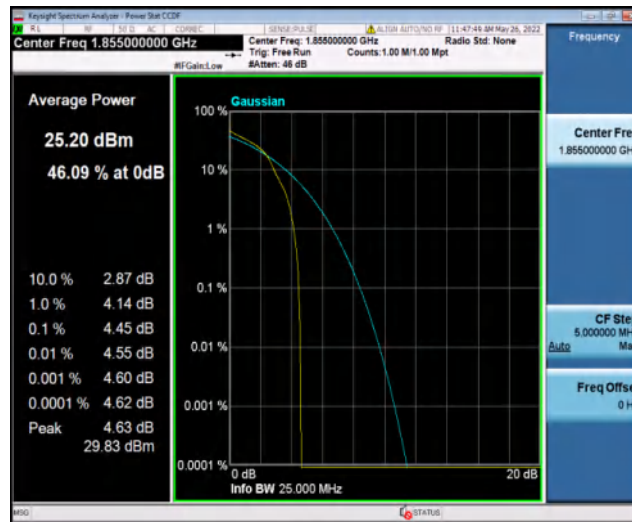
Band2-10MHz-QPSK-18900-50RB#0



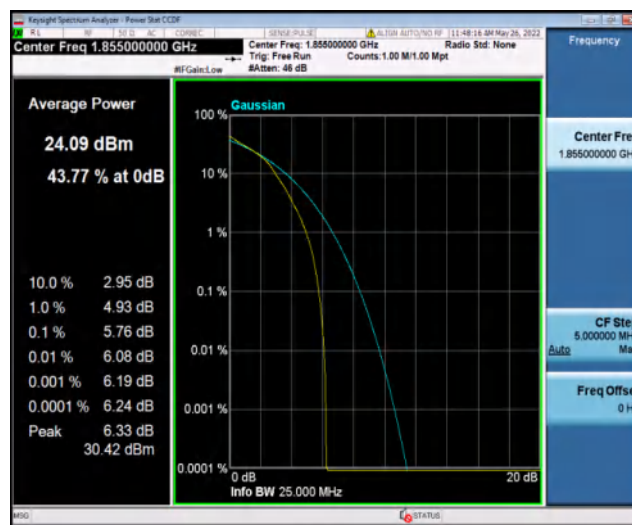
Band2-10MHz-QPSK-19150-1RB#0



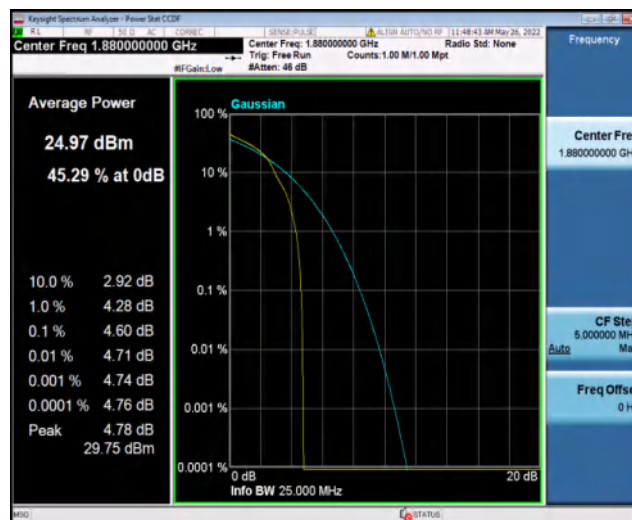
Band2-10MHz-QPSK-19150-50RB#0



Band2-10MHz-16QAM-18650-1RB#0



Band2-10MHz-16QAM-18650-50RB#0



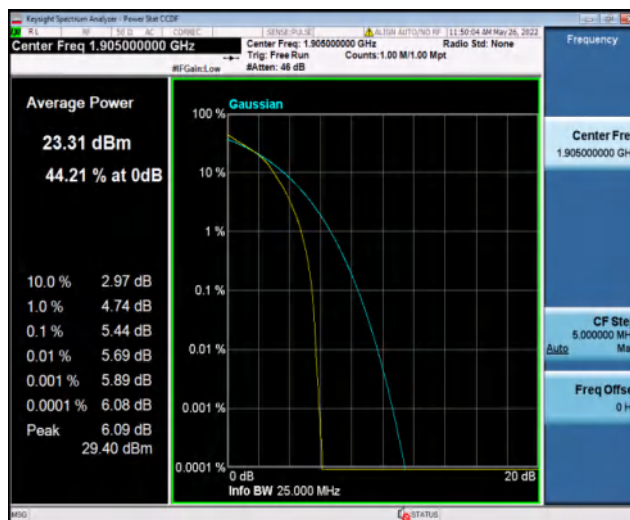
Band2-10MHz-16QAM-18900-1RB#0



Band2-10MHz-16QAM-18900-50RB#0



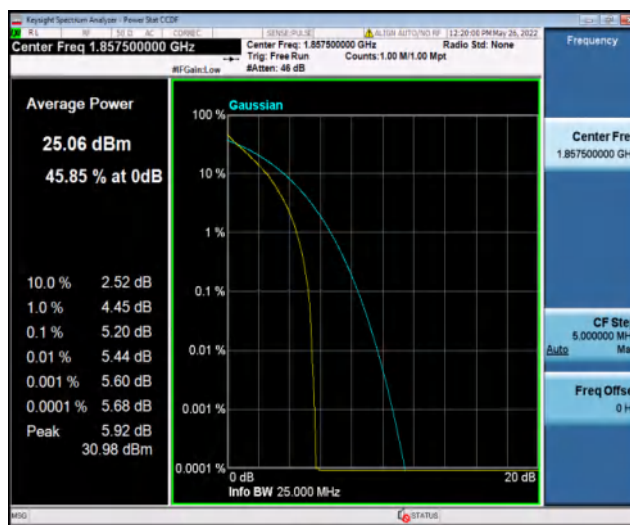
Band2-10MHz-16QAM-19150-1RB#0



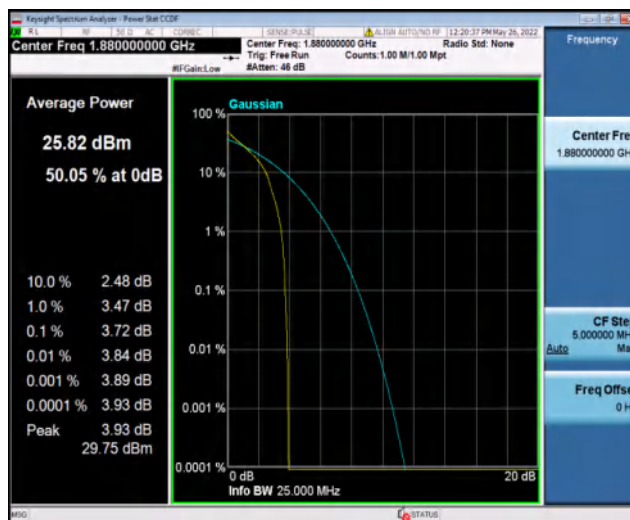
Band2-10MHz-16QAM-19150-50RB#0



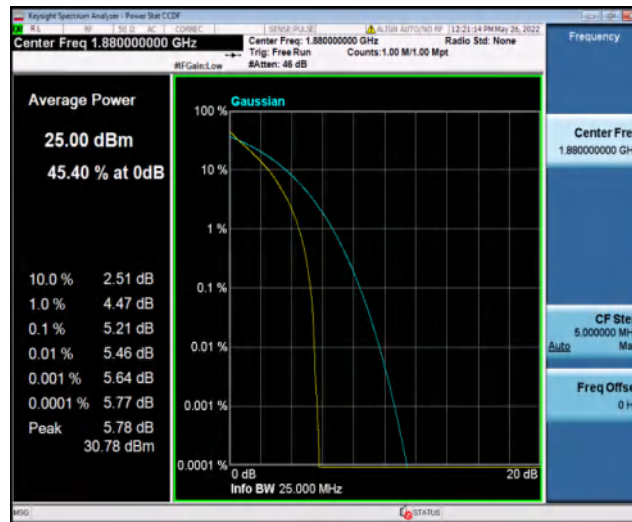
Band2-15MHz-QPSK-18675-1RB#0



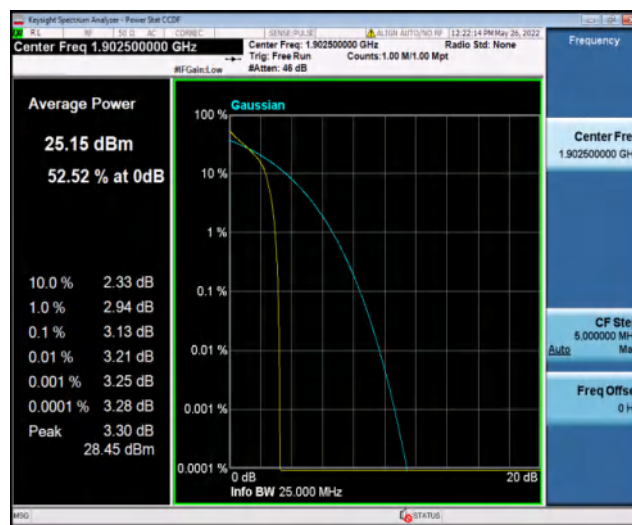
Band2-15MHz-QPSK-18675-75RB#0



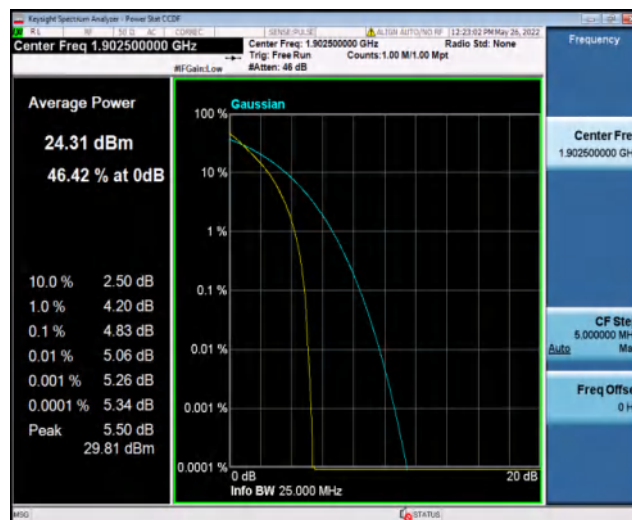
Band2-15MHz-QPSK-18900-1RB#0



Band2-15MHz-QPSK-18900-75RB#0



Band2-15MHz-QPSK-19125-1RB#0



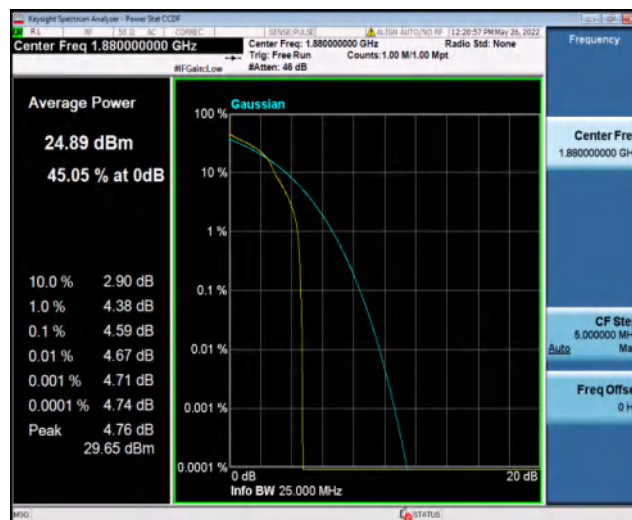
Band2-15MHz-QPSK-19125-75RB#0



Band2-15MHz-16QAM-18675-1RB#0



Band2-15MHz-16QAM-18675-75RB#0



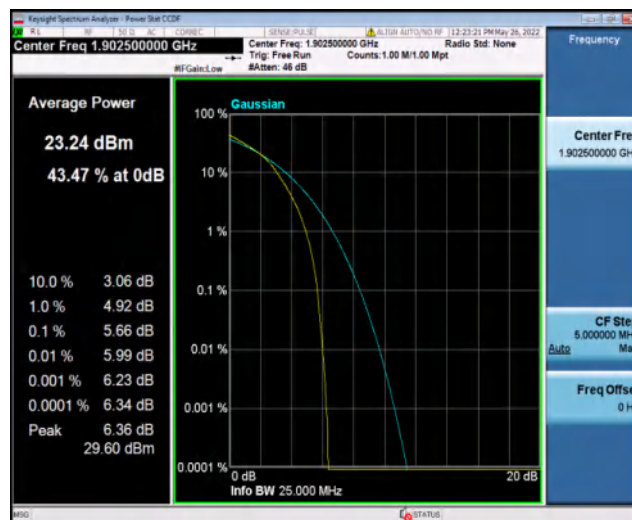
Band2-15MHz-16QAM-18900-1RB#0



Band2-15MHz-16QAM-18900-75RB#0



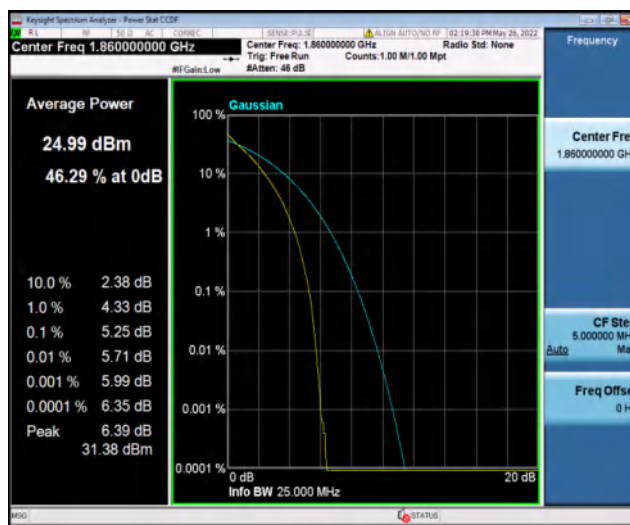
Band2-15MHz-16QAM-19125-1RB#0



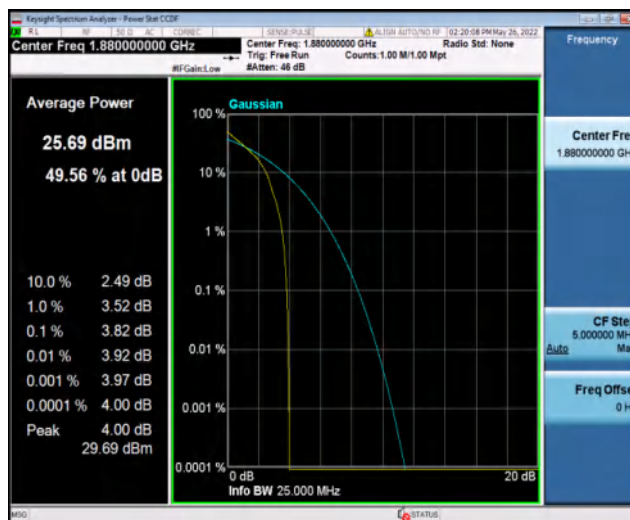
Band2-15MHz-16QAM-19125-75RB#0



Band2-20MHz-QPSK-18700-1RB#0



Band2-20MHz-QPSK-18700-100RB#0



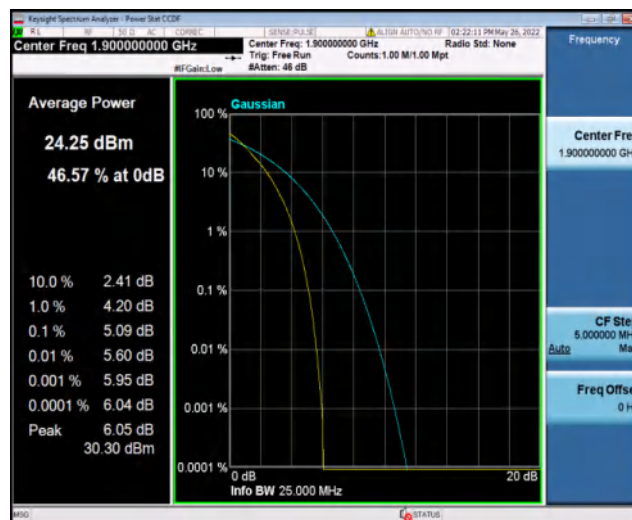
Band2-20MHz-QPSK-18900-1RB#0



Band2-20MHz-QPSK-18900-100RB#0



Band2-20MHz-QPSK-19100-1RB#0



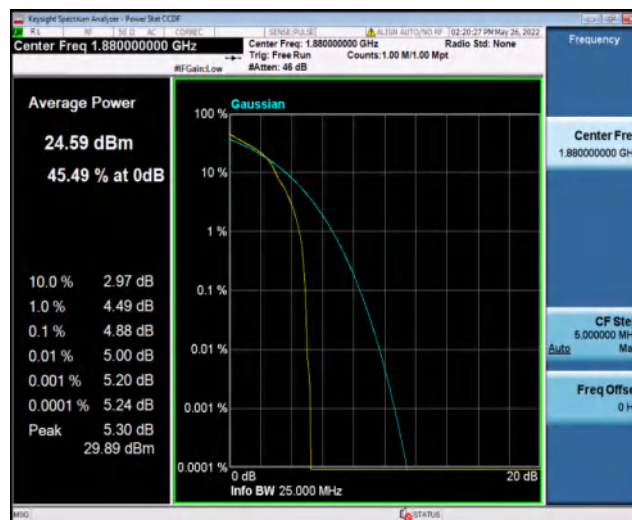
Band2-20MHz-QPSK-19100-100RB#0



Band2-20MHz-16QAM-18700-1RB#0



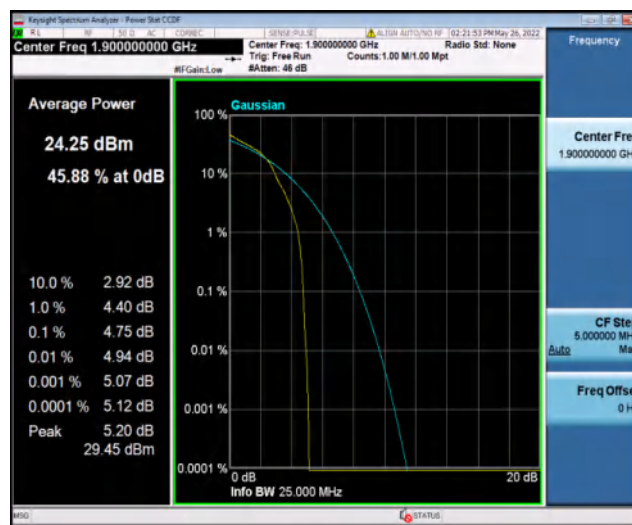
Band2-20MHz-16QAM-18700-100RB#0



Band2-20MHz-16QAM-18900-1RB#0



Band2-20MHz-16QAM-18900-100RB#0



Band2-20MHz-16QAM-19100-1RB#0



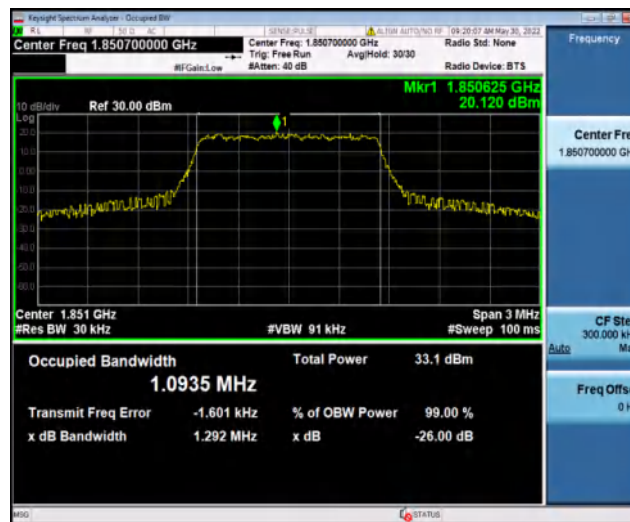
Band2-20MHz-16QAM-19100-100RB#0

Appendix D : 26dB Bandwidth and Occupied Bandwidth

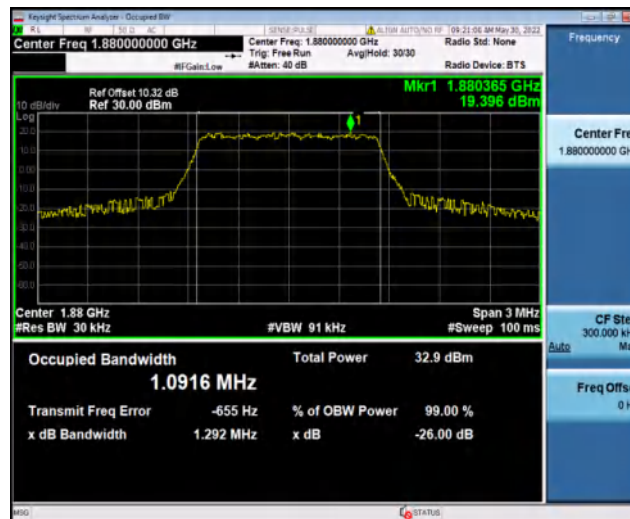
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.0935	1.094	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.0916	1.092	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.0944	1.094	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.0944	1.094	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0942	1.094	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.0990	1.099	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.6876	2.688	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.6908	2.691	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.6928	2.693	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6815	2.681	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.6835	2.684	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.6828	2.683	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.4966	4.497	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.4905	4.490	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.4989	4.499	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.4923	4.492	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.4951	4.495	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.4935	4.494	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.9902	8.990	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9935	8.993	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9909	8.991	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.9930	8.993	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.9843	8.984	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.9979	8.998	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.513	13.51	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.502	13.50	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.501	13.50	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.488	13.49	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.477	13.48	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.496	13.50	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.971	17.97	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.973	17.97	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.943	17.94	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.986	17.99	PASS
Band2	20MHz	16QAM	18900	100RB#0	18.021	18.02	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.950	17.95	PASS

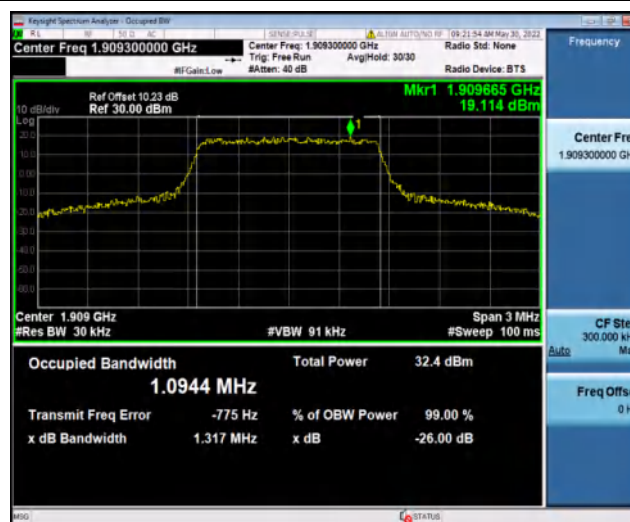
Test Graphs



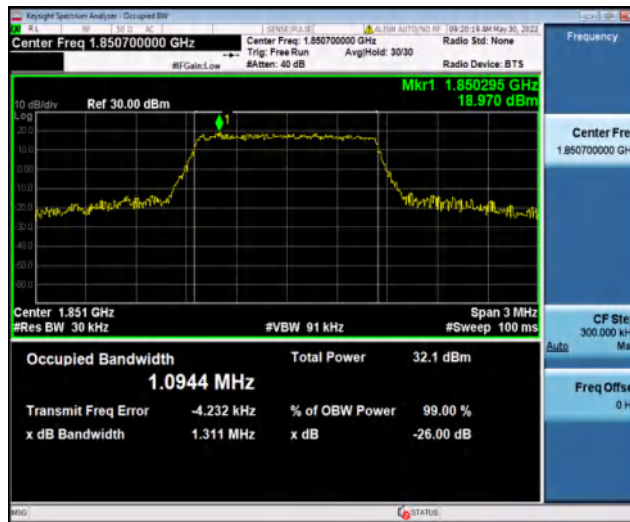
Band2-1.4MHz-QPSK-18607-6RB#0-1.0935



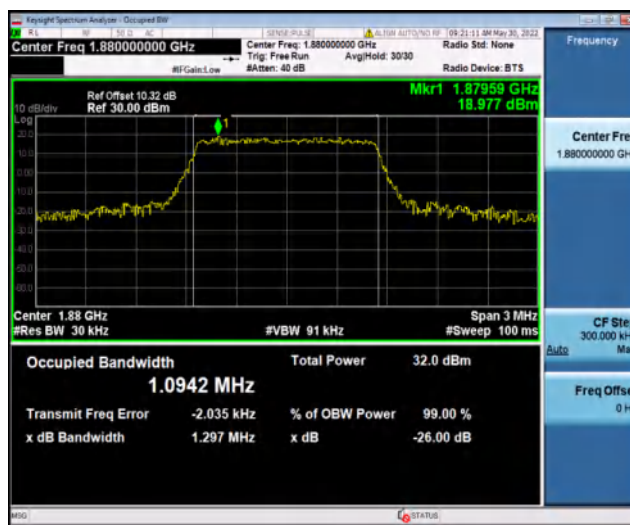
Band2-1.4MHz-QPSK-18900-6RB#0-1.0916



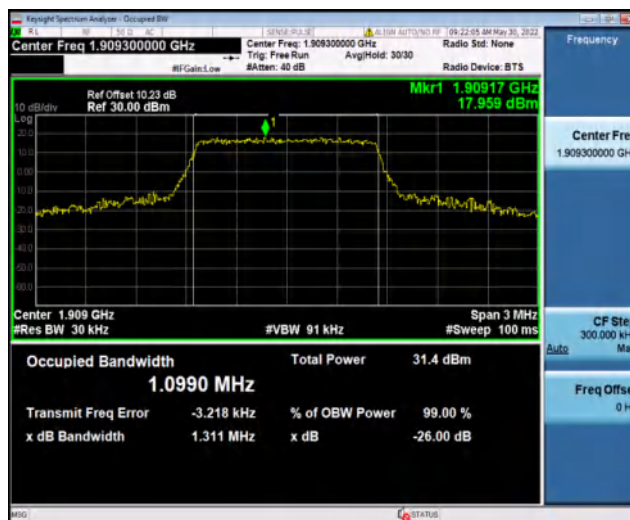
Band2-1.4MHz-QPSK-19193-6RB#0-1.0944



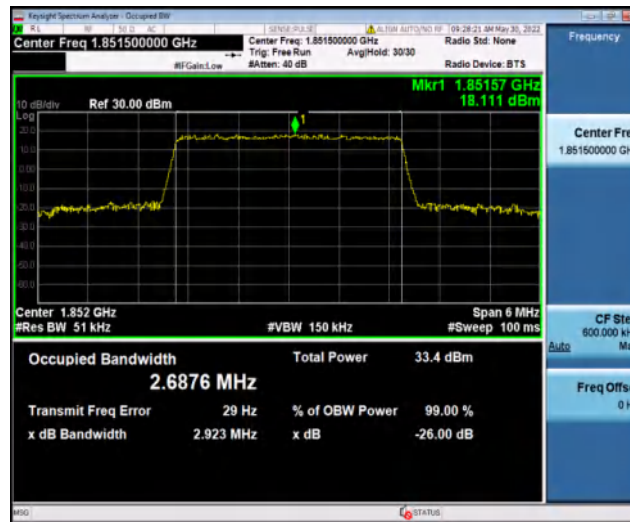
Band2-1.4MHz-16QAM-18607-6RB#0-1.0944



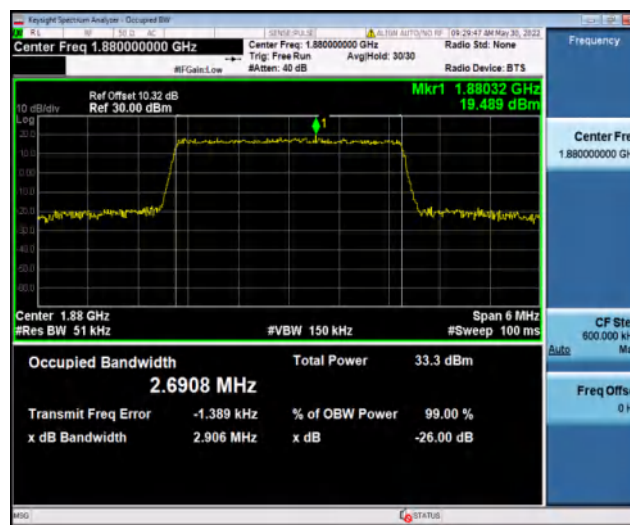
Band2-1.4MHz-16QAM-18900-6RB#0-1.0942



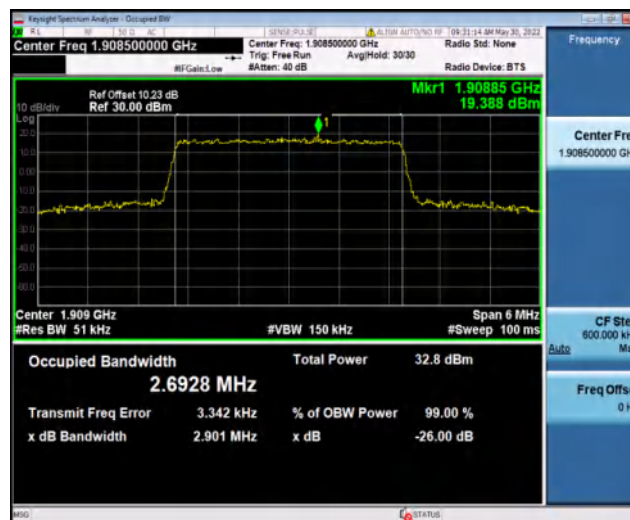
Band2-1.4MHz-16QAM-19193-6RB#0-1.0990



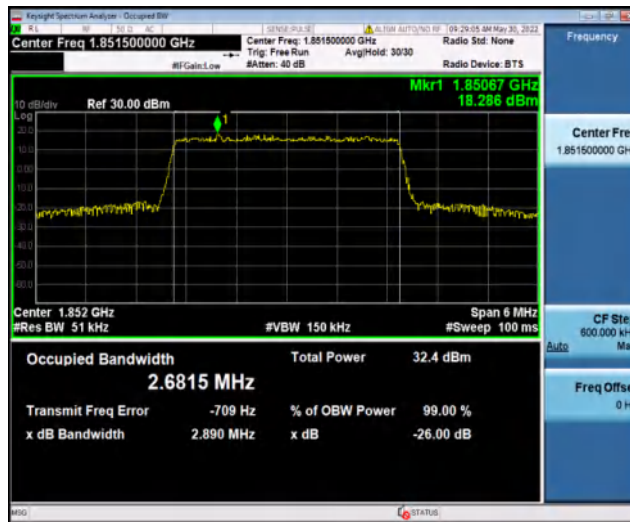
Band2-3MHz-QPSK-18615-15RB#0-2.6876



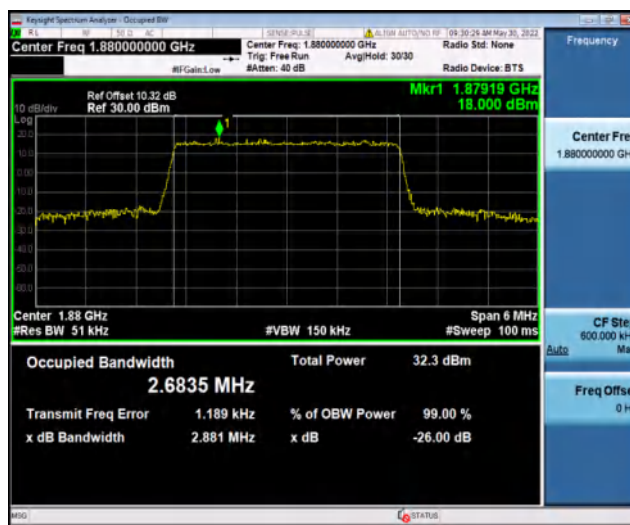
Band2-3MHz-QPSK-18900-15RB#0-2.6908



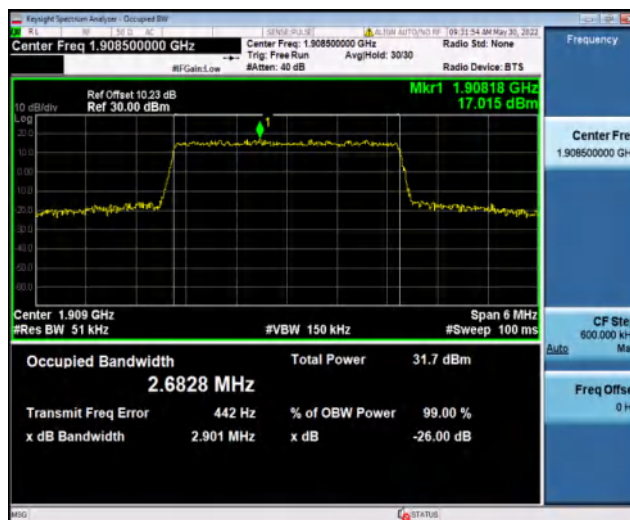
Band2-3MHz-QPSK-19185-15RB#0-2.6928



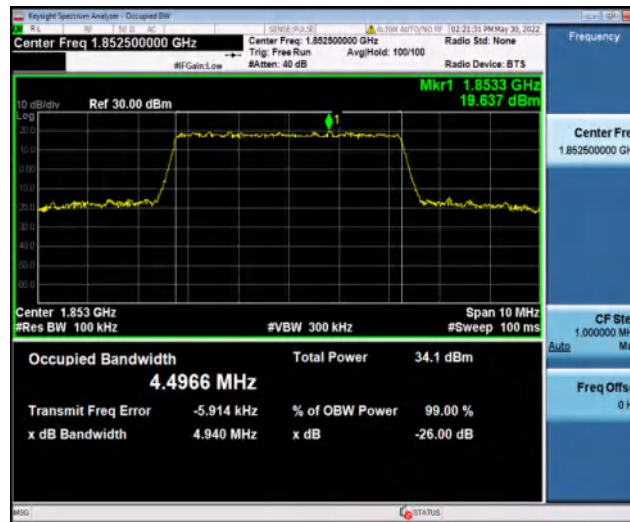
Band2-3MHz-16QAM-18615-15RB#0-2.6815



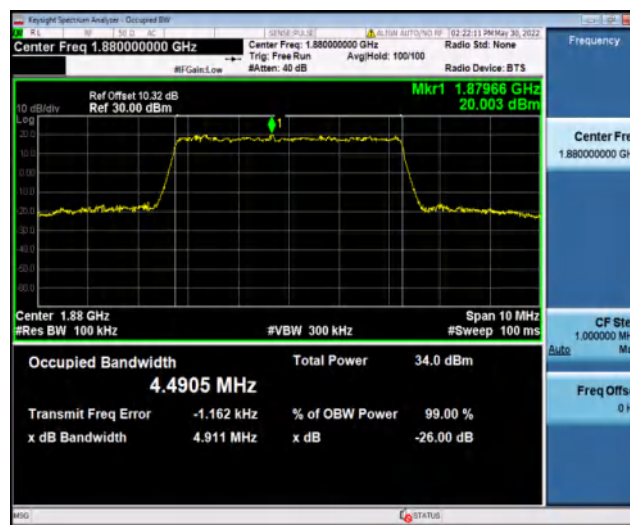
Band2-3MHz-16QAM-18900-15RB#0-2.6835



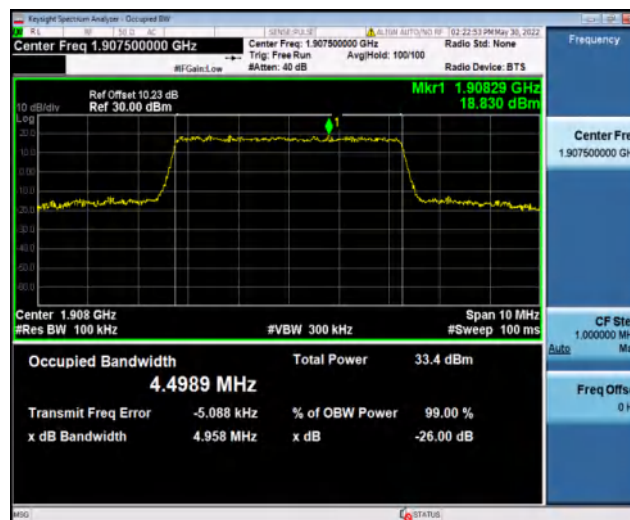
Band2-3MHz-16QAM-19185-15RB#0-2.6828



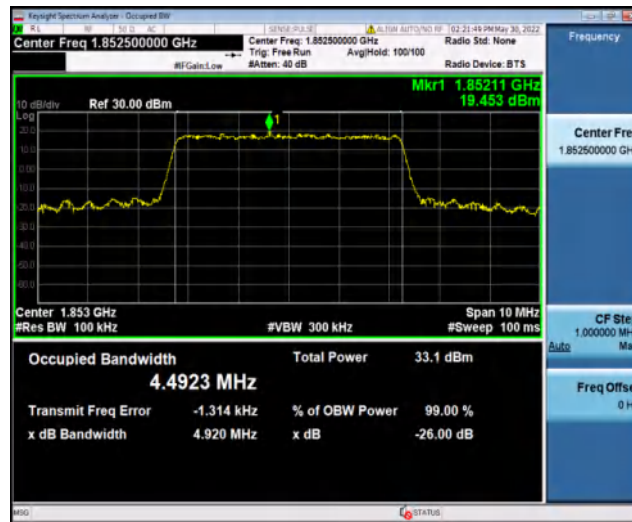
Band2-5MHz-QPSK-18625-25RB#0-4.4966



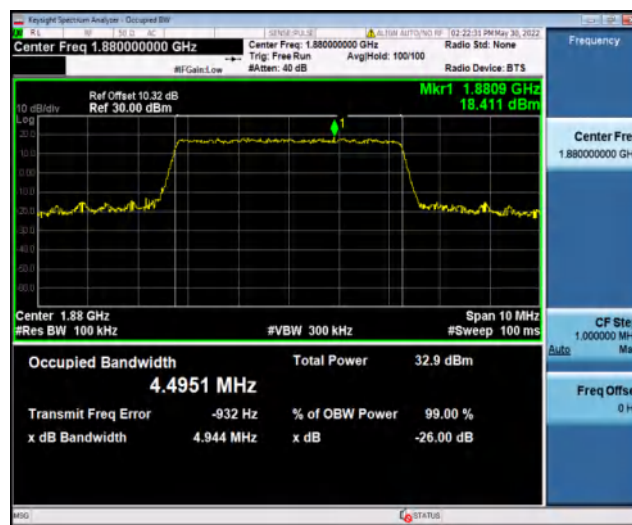
Band2-5MHz-QPSK-18900-25RB#0-4.4905



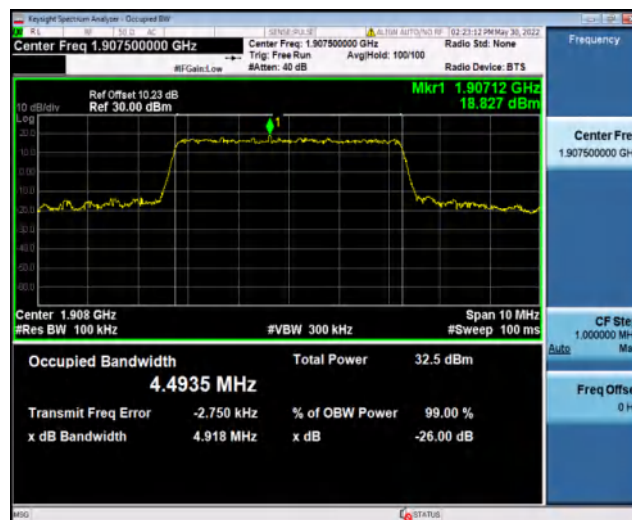
Band2-5MHz-QPSK-19175-25RB#0-4.4989



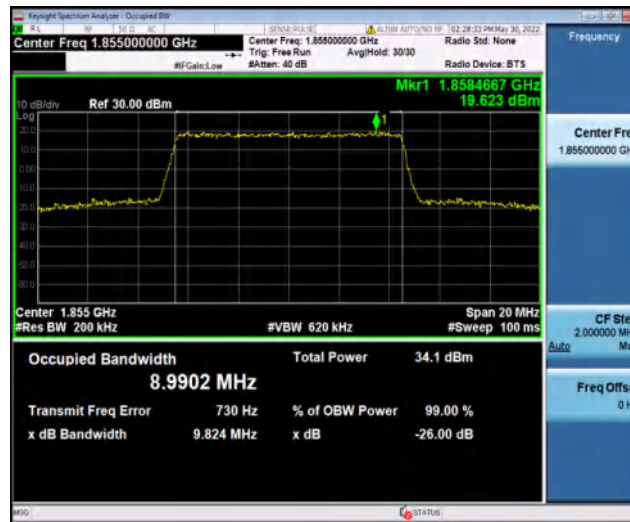
Band2-5MHz-16QAM-18625-25RB#0-4.4923



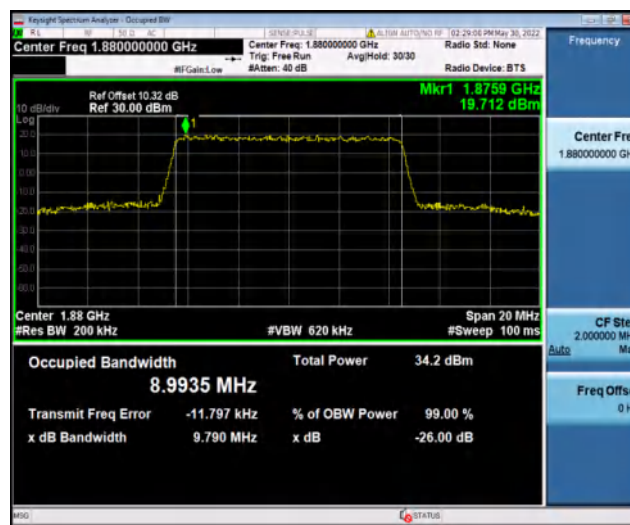
Band2-5MHz-16QAM-18900-25RB#0-4.4951



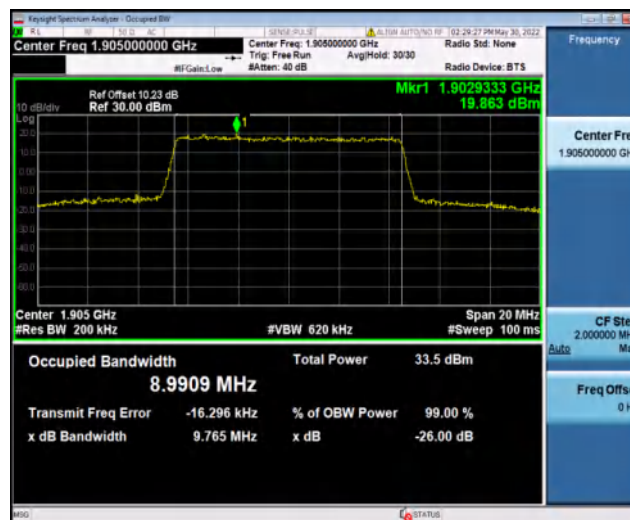
Band2-5MHz-16QAM-19175-25RB#0-4.4935



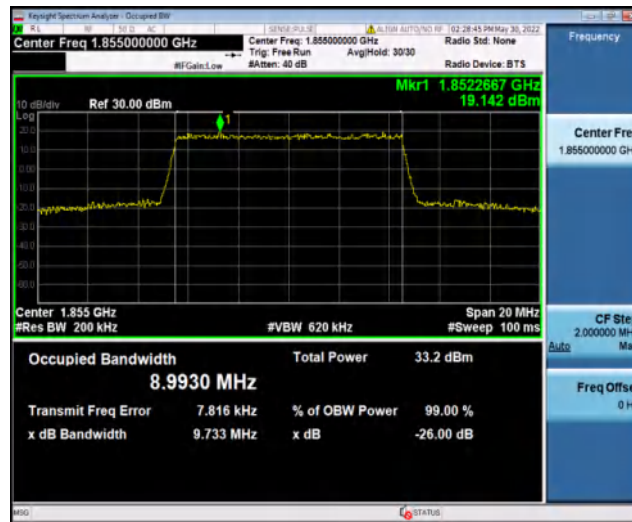
Band2-10MHz-QPSK-18650-50RB#0-8.9902



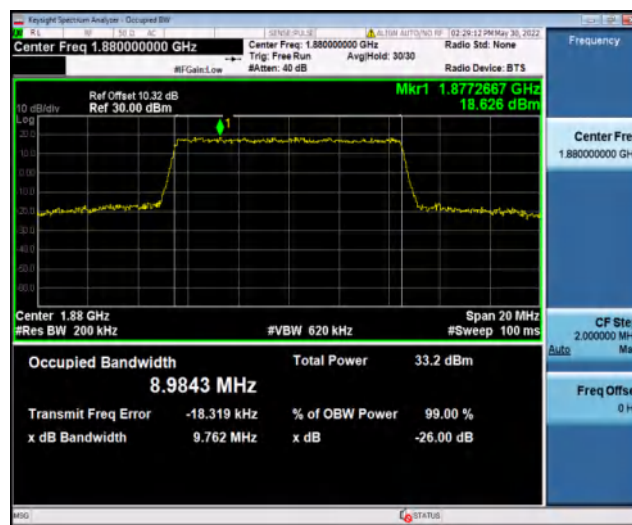
Band2-10MHz-QPSK-18900-50RB#0-8.9935



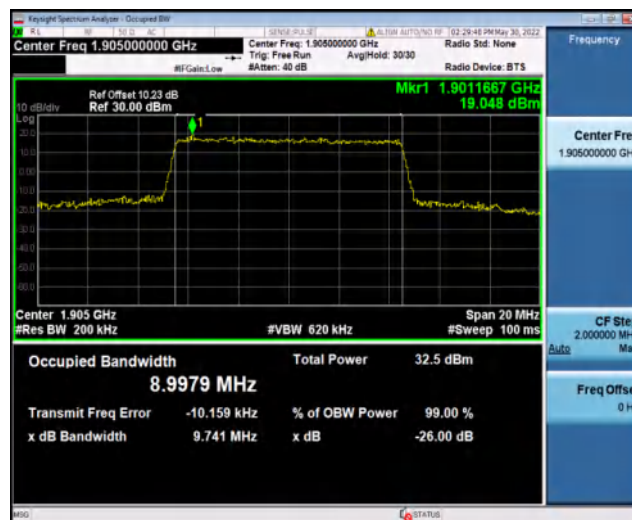
Band2-10MHz-QPSK-19150-50RB#0-8.9909



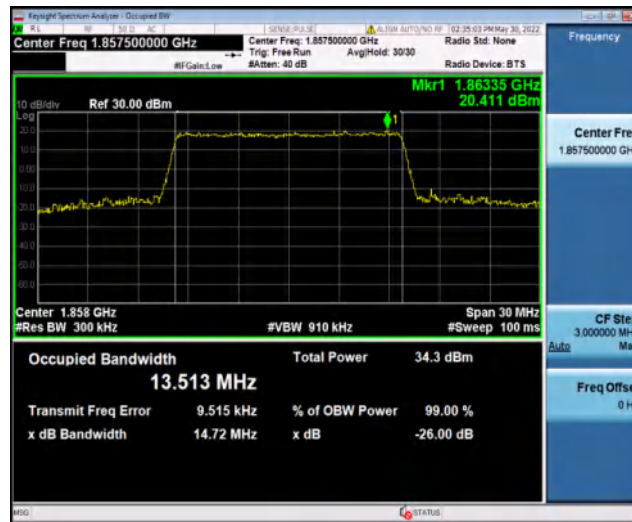
Band2-10MHz-16QAM-18650-50RB#0-8.9930



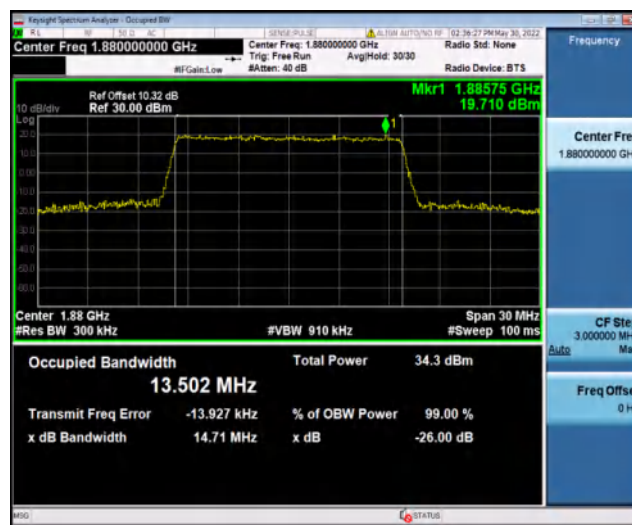
Band2-10MHz-16QAM-18900-50RB#0-8.9843



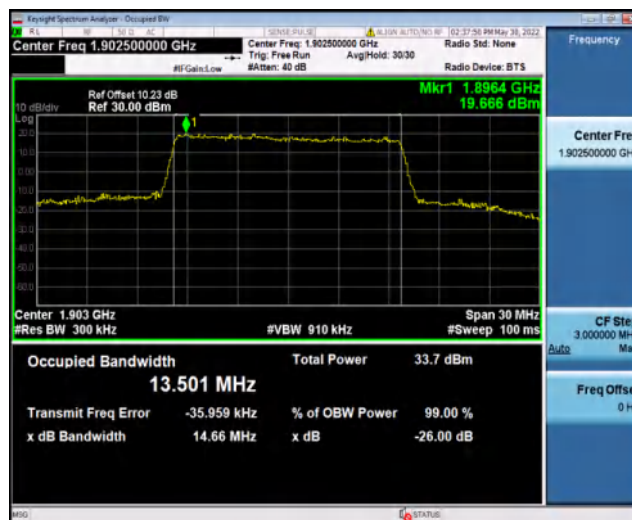
Band2-10MHz-16QAM-19150-50RB#0-8.9979



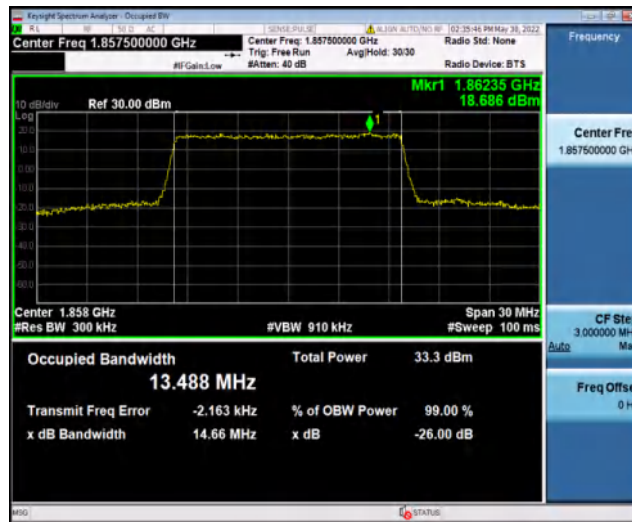
Band2-15MHz-QPSK-18675-75RB#0-13.513



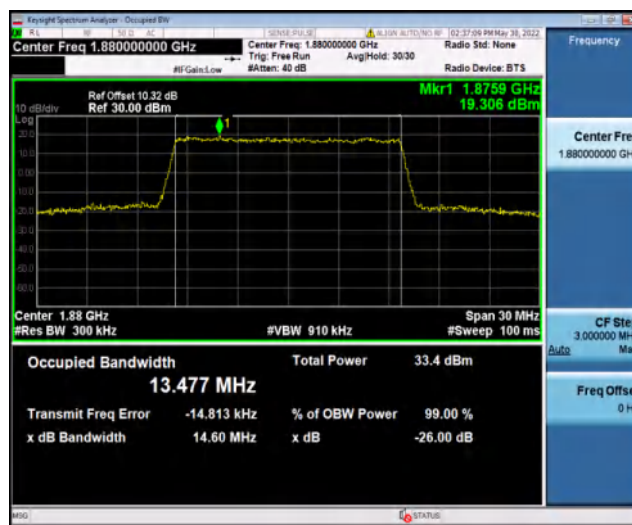
Band2-15MHz-QPSK-18900-75RB#0-13.502



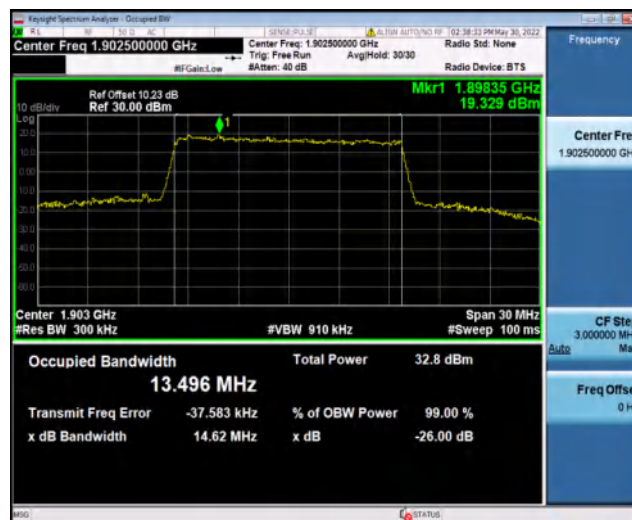
Band2-15MHz-QPSK-19125-75RB#0-13.501



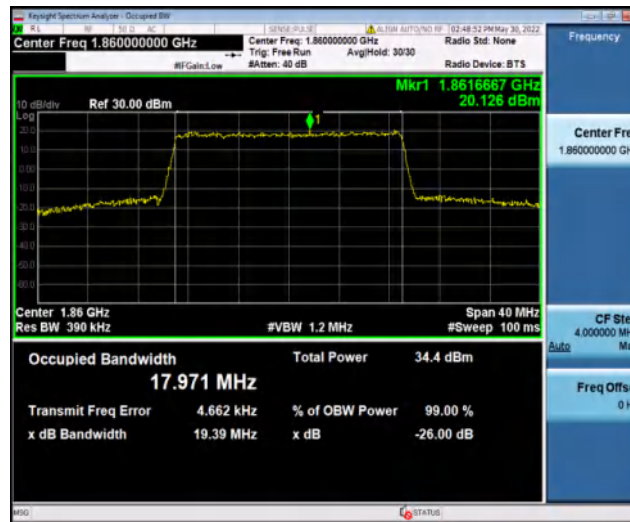
Band2-15MHz-16QAM-18675-75RB#0-13.488



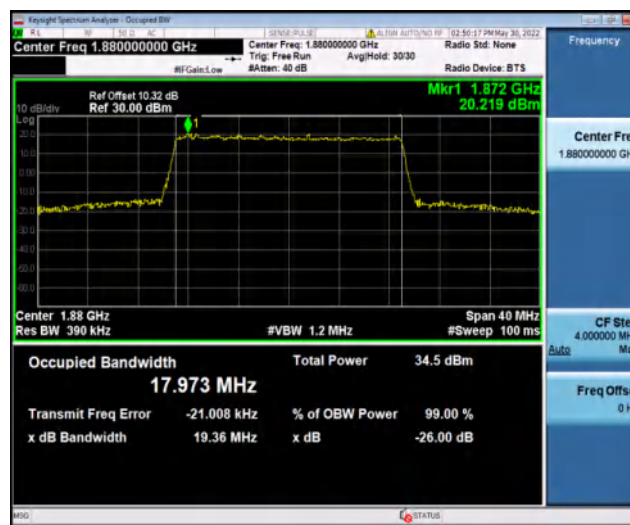
Band2-15MHz-16QAM-18900-75RB#0-13.477



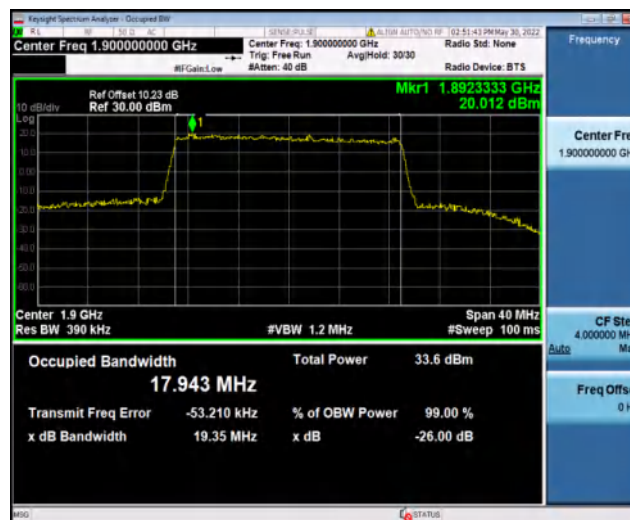
Band2-15MHz-16QAM-19125-75RB#0-13.496



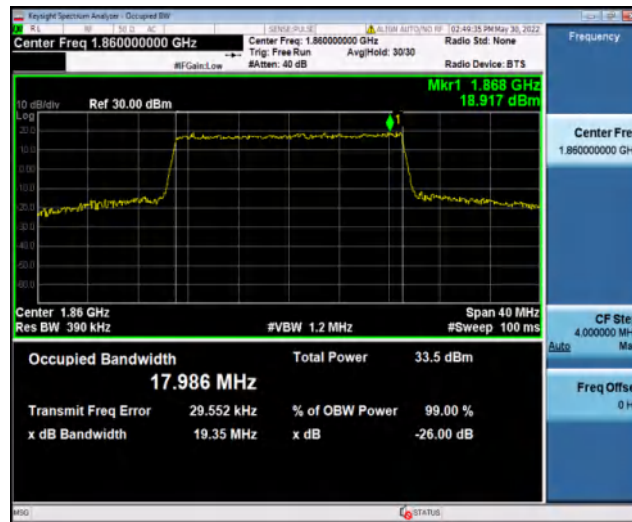
Band2-20MHz-QPSK-18700-100RB#0-17.971



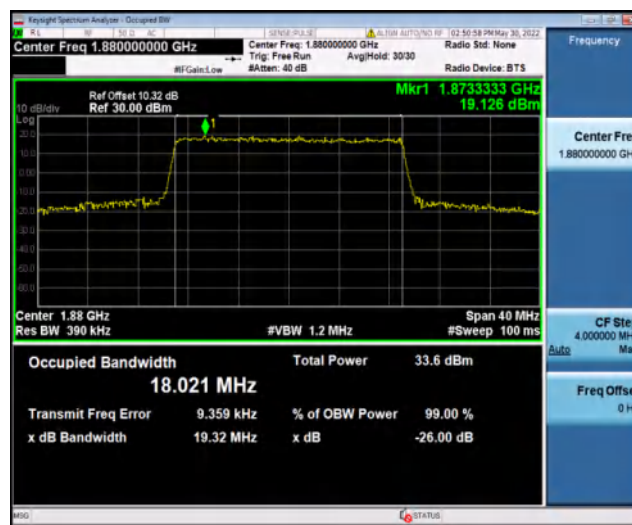
Band2-20MHz-QPSK-18900-100RB#0-17.973



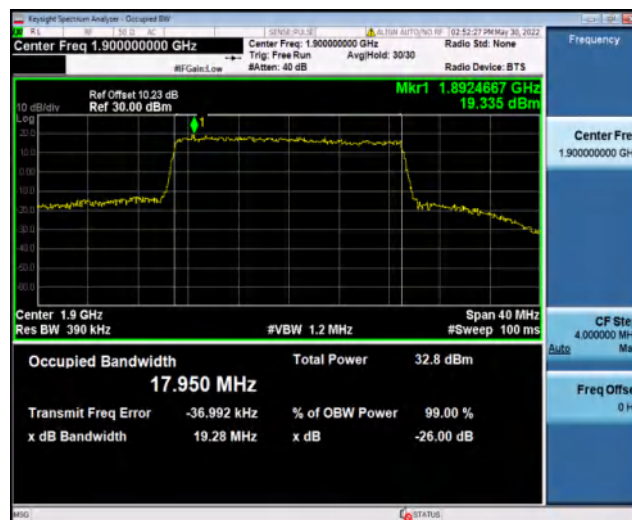
Band2-20MHz-QPSK-19100-100RB#0-17.943



Band2-20MHz-16QAM-18700-100RB#0-17.986



Band2-20MHz-16QAM-18900-100RB#0-18.021



Band2-20MHz-16QAM-19100-100RB#0-17.950

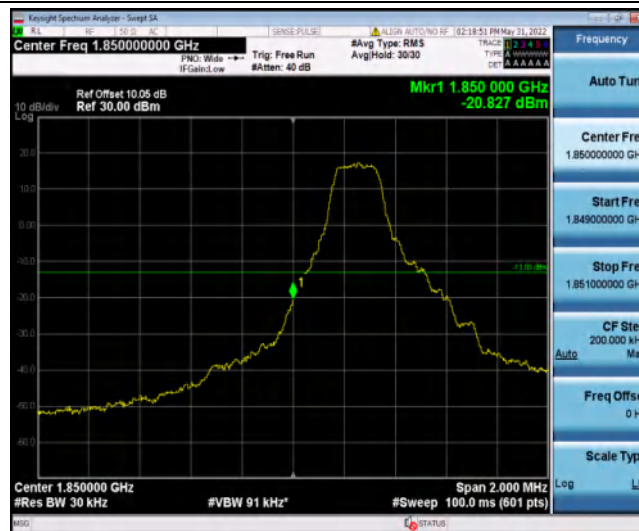
Appendix E : Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	-20.83	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	-30.87	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	-29.80	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	-32.18	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	-21.70	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	-27.96	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	-22.23	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	-32.02	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	-29.08	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	-35.28	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	-23.31	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	-29.78	PASS
Band2	3MHz	QPSK	18615	1RB#0	-18.63	PASS
Band2	3MHz	QPSK	18615	1RB#14	-42.74	PASS
Band2	3MHz	QPSK	18615	15RB#0	-29.92	PASS
Band2	3MHz	QPSK	19185	1RB#0	-42.74	PASS
Band2	3MHz	QPSK	19185	1RB#14	-18.67	PASS
Band2	3MHz	QPSK	19185	15RB#0	-30.62	PASS
Band2	3MHz	16QAM	18615	1RB#0	-20.88	PASS
Band2	3MHz	16QAM	18615	1RB#14	-43.52	PASS
Band2	3MHz	16QAM	18615	15RB#0	-31.41	PASS
Band2	3MHz	16QAM	19185	1RB#0	-43.27	PASS
Band2	3MHz	16QAM	19185	1RB#14	-21.01	PASS
Band2	3MHz	16QAM	19185	15RB#0	-31.57	PASS
Band2	5MHz	QPSK	18625	1RB#0	-15.25	PASS
Band2	5MHz	QPSK	18625	1RB#24	-45.29	PASS
Band2	5MHz	QPSK	18625	25RB#0	-28.55	PASS
Band2	5MHz	QPSK	19175	1RB#0	-45.31	PASS
Band2	5MHz	QPSK	19175	1RB#24	-14.93	PASS
Band2	5MHz	QPSK	19175	25RB#0	-27.73	PASS
Band2	5MHz	16QAM	18625	1RB#0	-16.30	PASS
Band2	5MHz	16QAM	18625	1RB#24	-45.29	PASS
Band2	5MHz	16QAM	18625	25RB#0	-28.76	PASS
Band2	5MHz	16QAM	19175	1RB#0	-45.66	PASS
Band2	5MHz	16QAM	19175	1RB#24	-16.91	PASS
Band2	5MHz	16QAM	19175	25RB#0	-29.45	PASS
Band2	10MHz	QPSK	18650	1RB#0	-17.96	PASS
Band2	10MHz	QPSK	18650	1RB#49	-44.59	PASS
Band2	10MHz	QPSK	18650	50RB#0	-31.76	PASS
Band2	10MHz	QPSK	19150	1RB#0	-45.24	PASS
Band2	10MHz	QPSK	19150	1RB#49	-18.18	PASS
Band2	10MHz	QPSK	19150	50RB#0	-31.50	PASS

Band2	10MHz	16QAM	18650	1RB#0	-18.66	PASS
Band2	10MHz	16QAM	18650	1RB#49	-44.69	PASS
Band2	10MHz	16QAM	18650	50RB#0	-32.41	PASS
Band2	10MHz	16QAM	19150	1RB#0	-45.32	PASS
Band2	10MHz	16QAM	19150	1RB#49	-18.55	PASS
Band2	10MHz	16QAM	19150	50RB#0	-32.03	PASS
Band2	15MHz	QPSK	18675	1RB#0	-18.63	PASS
Band2	15MHz	QPSK	18675	1RB#74	-44.33	PASS
Band2	15MHz	QPSK	18675	75RB#0	-31.87	PASS
Band2	15MHz	QPSK	19125	1RB#0	-44.74	PASS
Band2	15MHz	QPSK	19125	1RB#74	-19.53	PASS
Band2	15MHz	QPSK	19125	75RB#0	-32.74	PASS
Band2	15MHz	16QAM	18675	1RB#0	-19.87	PASS
Band2	15MHz	16QAM	18675	1RB#74	-44.33	PASS
Band2	15MHz	16QAM	18675	75RB#0	-32.23	PASS
Band2	15MHz	16QAM	19125	1RB#0	-44.76	PASS
Band2	15MHz	16QAM	19125	1RB#74	-20.21	PASS
Band2	15MHz	16QAM	19125	75RB#0	-35.46	PASS
Band2	20MHz	QPSK	18700	1RB#0	-21.03	PASS
Band2	20MHz	QPSK	18700	1RB#99	-43.53	PASS
Band2	20MHz	QPSK	18700	100RB#0	-32.72	PASS
Band2	20MHz	QPSK	19100	1RB#0	-43.91	PASS
Band2	20MHz	QPSK	19100	1RB#99	-22.27	PASS
Band2	20MHz	QPSK	19100	100RB#0	-35.00	PASS
Band2	20MHz	16QAM	18700	1RB#0	-22.30	PASS
Band2	20MHz	16QAM	18700	1RB#99	-43.82	PASS
Band2	20MHz	16QAM	18700	100RB#0	-33.28	PASS
Band2	20MHz	16QAM	19100	1RB#0	-43.93	PASS
Band2	20MHz	16QAM	19100	1RB#99	-22.56	PASS
Band2	20MHz	16QAM	19100	100RB#0	-35.45	PASS

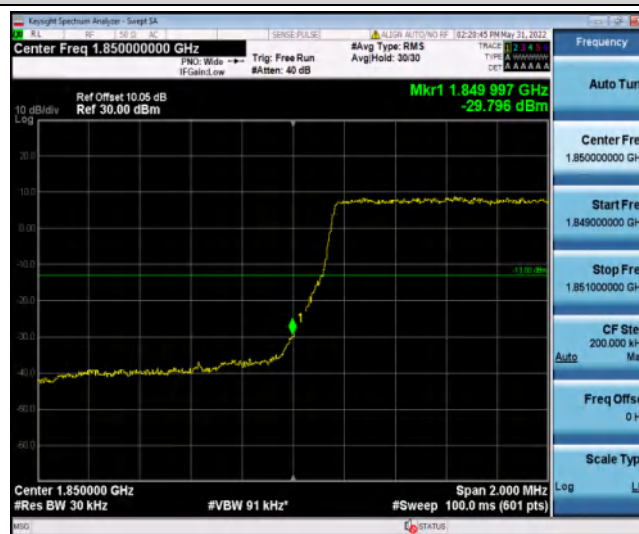
Test Graphs



Band2-1.4MHz-QPSK-18607-1RB#0



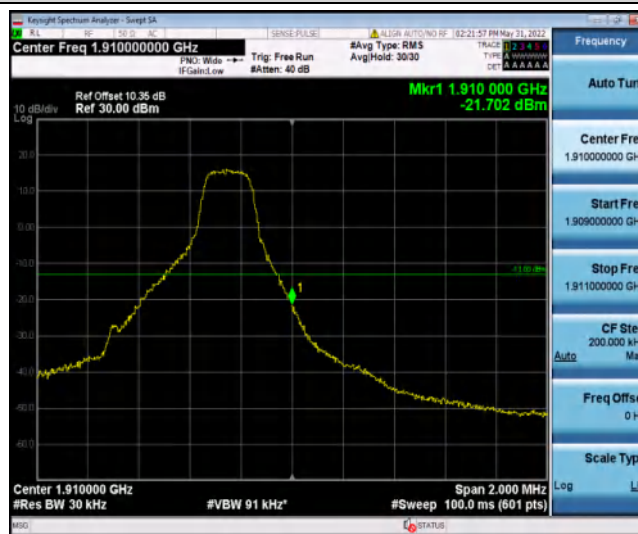
Band2-1.4MHz-QPSK-18607-1RB#5



Band2-1.4MHz-QPSK-18607-6RB#0



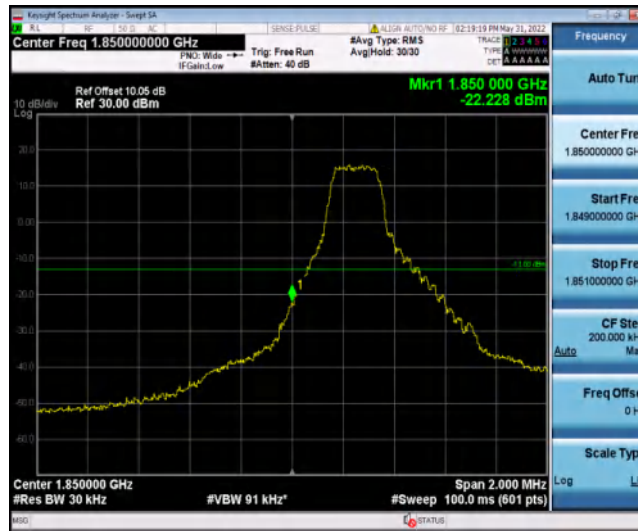
Band2-1.4MHz-QPSK-19193-1RB#0



Band2-1.4MHz-QPSK-19193-1RB#5



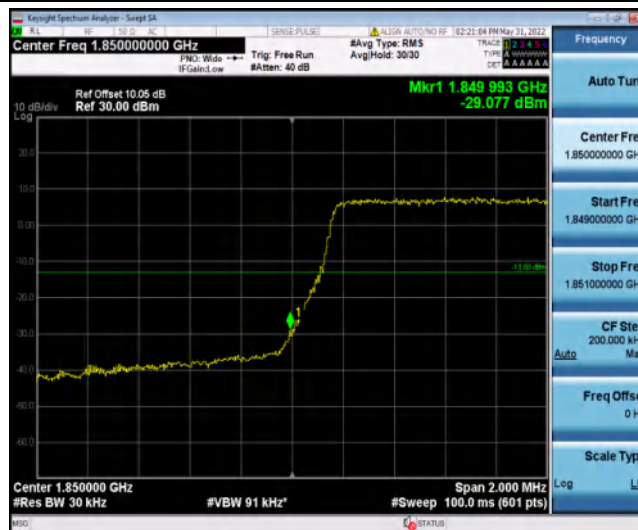
Band2-1.4MHz-QPSK-19193-6RB#0



Band2-1.4MHz-16QAM-18607-1RB#0



Band2-1.4MHz-16QAM-18607-1RB#5



Band2-1.4MHz-16QAM-18607-6RB#0



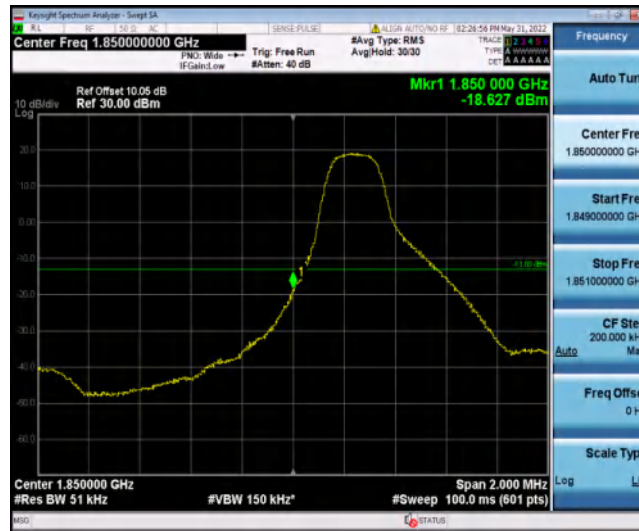
Band2-1.4MHz-16QAM-19193-1RB#0



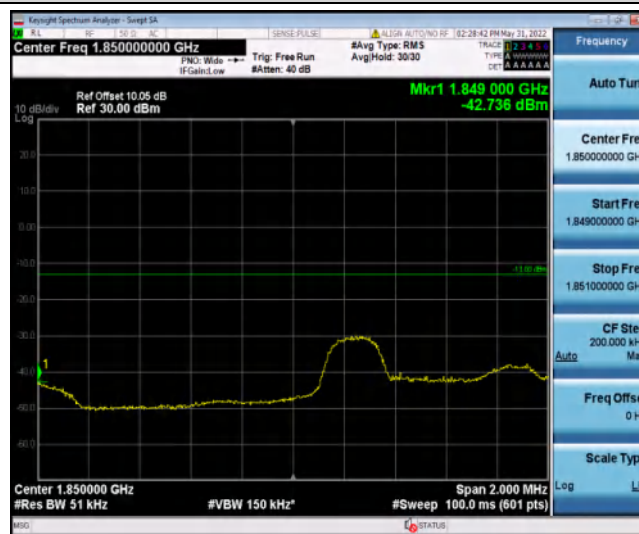
Band2-1.4MHz-16QAM-19193-1RB#5



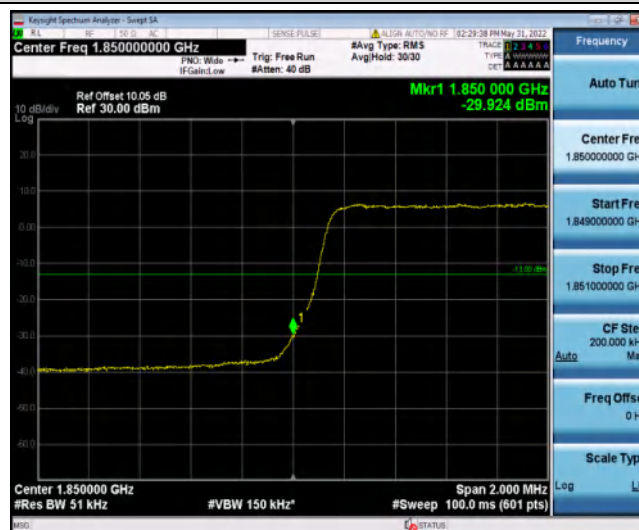
Band2-1.4MHz-16QAM-19193-6RB#0



Band2-3MHz-QPSK-18615-1RB#0



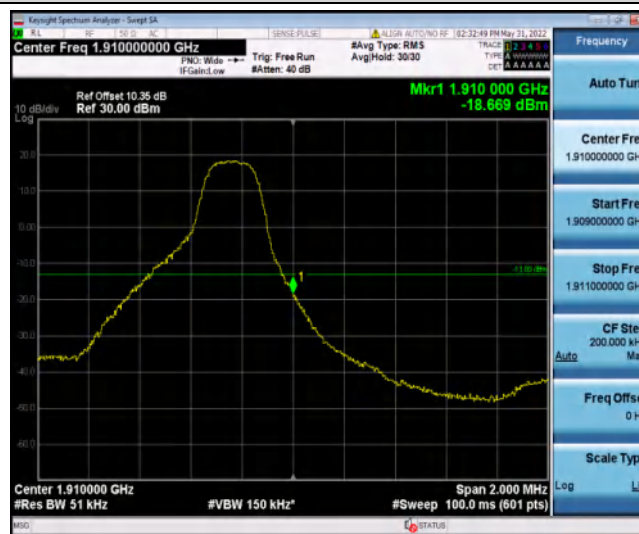
Band2-3MHz-QPSK-18615-1RB#14



Band2-3MHz-QPSK-18615-15RB#0



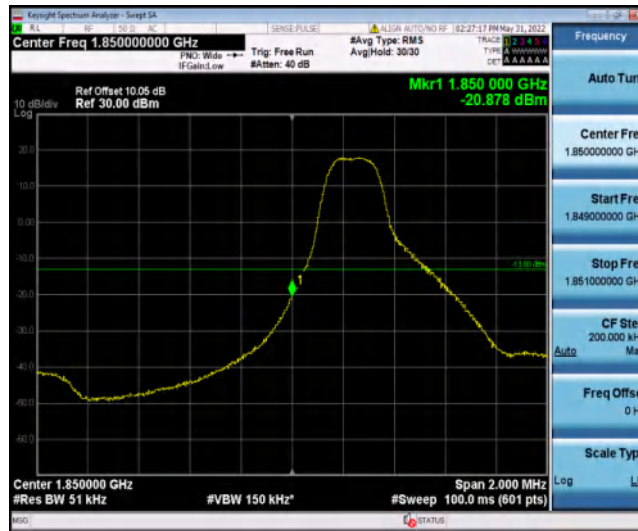
Band2-3MHz-QPSK-19185-1RB#0



Band2-3MHz-QPSK-19185-1RB#14



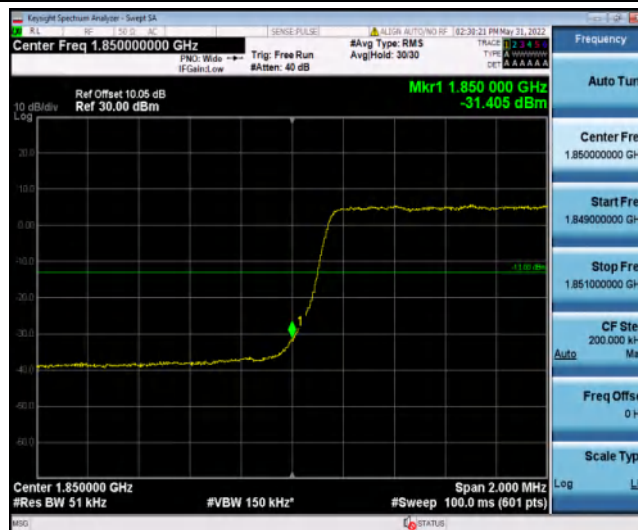
Band2-3MHz-QPSK-19185-15RB#0



Band2-3MHz-16QAM-18615-1RB#0



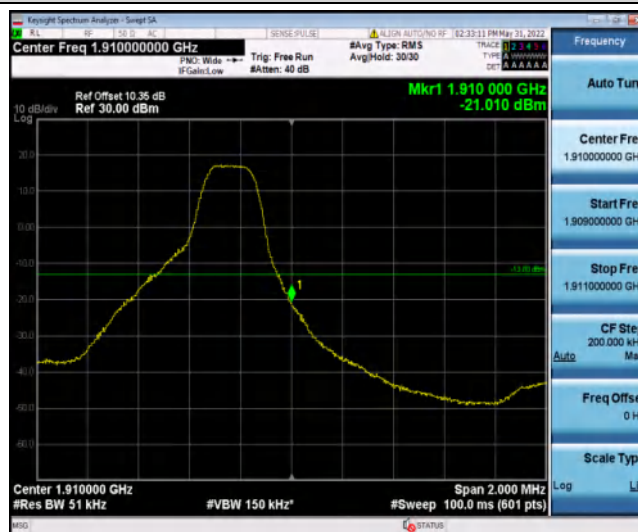
Band2-3MHz-16QAM-18615-1RB#14



Band2-3MHz-16QAM-18615-15RB#0



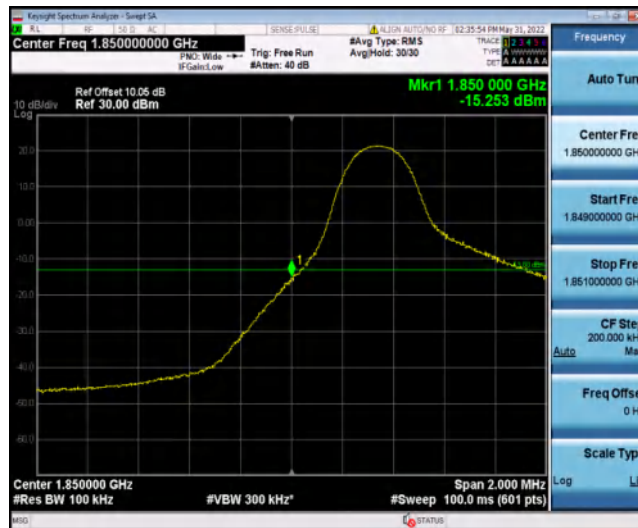
Band2-3MHz-16QAM-19185-1RB#0



Band2-3MHz-16QAM-19185-1RB#14



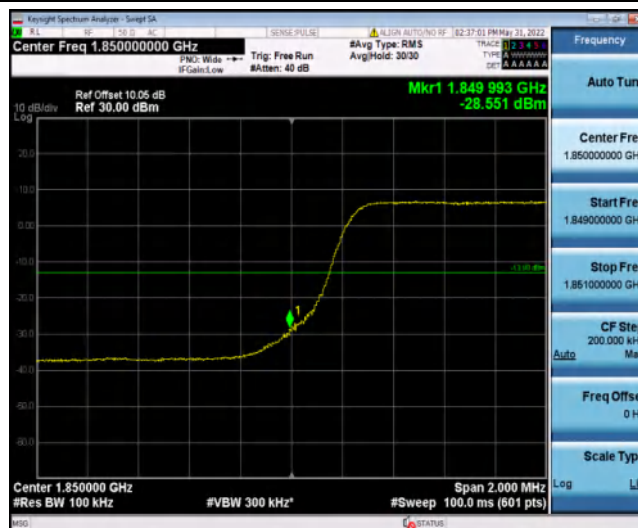
Band2-3MHz-16QAM-19185-15RB#0



Band2-5MHz-QPSK-18625-1RB#0



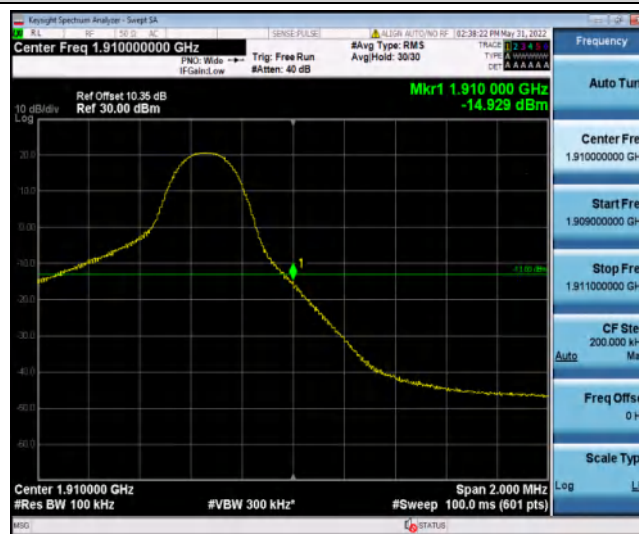
Band2-5MHz-QPSK-18625-1RB#24



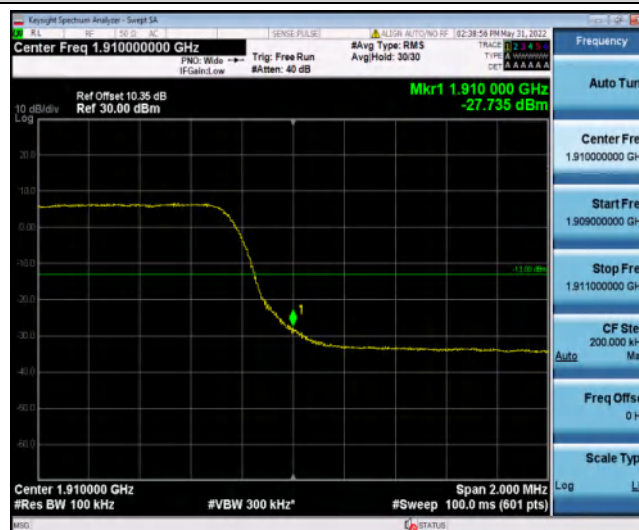
Band2-5MHz-QPSK-18625-25RB#0



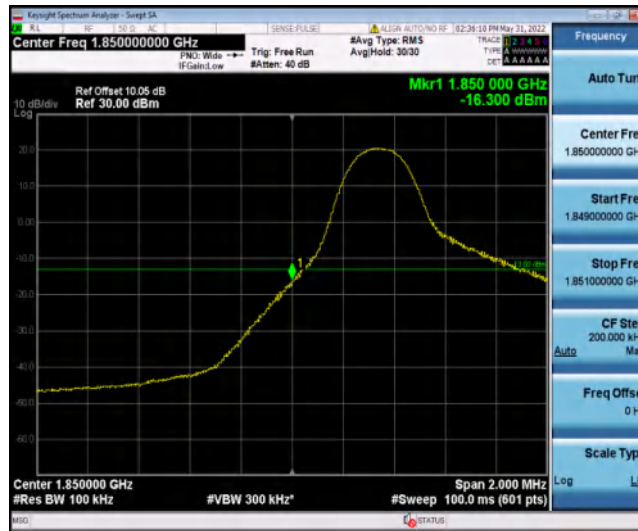
Band2-5MHz-QPSK-19175-1RB#0



Band2-5MHz-QPSK-19175-1RB#24



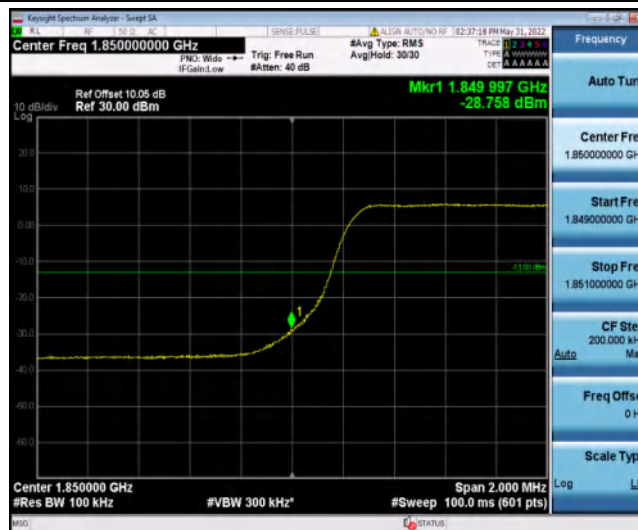
Band2-5MHz-QPSK-19175-25RB#0



Band2-5MHz-16QAM-18625-1RB#0



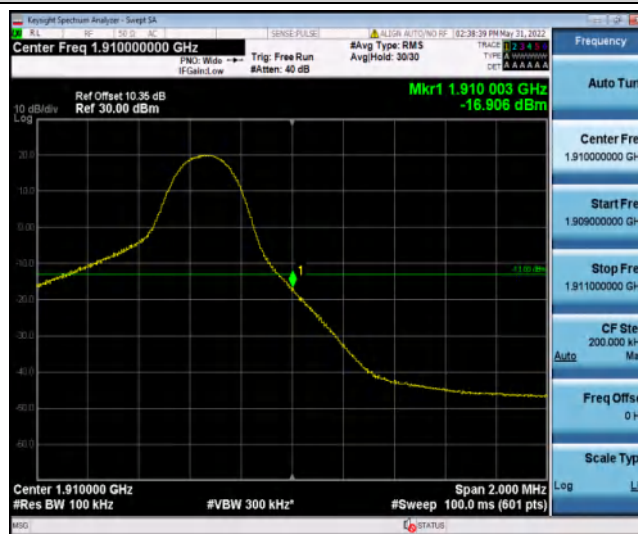
Band2-5MHz-16QAM-18625-1RB#24



Band2-5MHz-16QAM-18625-25RB#0



Band2-5MHz-16QAM-19175-1RB#0



Band2-5MHz-16QAM-19175-1RB#24



Band2-5MHz-16QAM-19175-25RB#0