Appendix H: Test Data for E-UTRA Band 4

Product Name: Smart Phone

Test Model: ONE

Environmental Conditions

Temperature:	23.5° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li huan

H.1 Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	22.28	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.41	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.18	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.43	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.43	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.42	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.66	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.74	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.45	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.66	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.85	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.81	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.75	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.94	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.41	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.47	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.54	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.55	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	22.42	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.46	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.65	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	21.50	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	21.69	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	21.25	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.25	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.36	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.40	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.70	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.64	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	21.98	PASS

Band4	1.4MHz	16QAM	20175	1RB#5	21.73	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.61	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.67	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.54	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.91	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	21.30	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	21.44	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	21.67	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	21.68	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	21.47	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.44	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.40	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.60	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.84	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.57	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.67	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.54	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.51	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.50	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.69	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.47	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.60	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.80	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.78	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.70	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.65	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.13	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.42	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.42	PASS
Band4	3MHz	QPSK	20385	8RB#0	21.29	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.23	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.22	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.50	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.74	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.71	PASS

Band4	3MHz	16QAM	19965	1RB#14	21.46	PASS
Band4	3MHz	16QAM	19965	8RB#0	20.75	PASS
Band4	3MHz	16QAM	19965	8RB#4	20.69	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.49	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.53	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.69	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.55	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.56	PASS
Band4	3MHz	16QAM	20175	8RB#0	20.70	PASS
Band4	3MHz	16QAM	20175	8RB#4	20.89	PASS
Band4	3MHz	16QAM	20175	8RB#7	20.72	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.60	PASS
Band4	3MHz	16QAM	20385	1RB#0	21.22	PASS
Band4	3MHz	16QAM	20385	1RB#8	21.65	PASS
Band4	3MHz	16QAM	20385	1RB#14	21.75	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.23	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.15	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.65	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.66	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.85	PASS
Band4	5MHz	QPSK	19975	1RB#12	22.74	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.50	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.69	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.62	PASS
Band4	5MHz	QPSK	19975	12RB#13	22.33	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.64	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.79	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.62	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.56	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.68	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.66	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.63	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.66	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.51	PASS
Band4	5MHz	QPSK	20375	1RB#12	22.59	PASS

Band4	5MHz	QPSK	20375	1RB#24	22.54	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.27	PASS
Band4	5MHz	QPSK	20375	12RB#6	21.24	PASS
Band4	5MHz	QPSK	20375	12RB#13	21.27	PASS
Band4	5MHz	QPSK	20375	25RB#0	21.31	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.65	PASS
Band4	5MHz	16QAM	19975	1RB#12	21.59	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.47	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.64	PASS
Band4	5MHz	16QAM	19975	12RB#6	20.68	PASS
Band4	5MHz	16QAM	19975	12RB#13	20.80	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.60	PASS
Band4	5MHz	16QAM	20175	1RB#0	21.62	PASS
Band4	5MHz	16QAM	20175	1RB#12	21.59	PASS
Band4	5MHz	16QAM	20175	1RB#24	21.53	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.84	PASS
Band4	5MHz	16QAM	20175	12RB#6	20.63	PASS
Band4	5MHz	16QAM	20175	12RB#13	20.51	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.75	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.46	PASS
Band4	5MHz	16QAM	20375	1RB#12	21.21	PASS
Band4	5MHz	16QAM	20375	1RB#24	21.21	PASS
Band4	5MHz	16QAM	20375	12RB#0	20.33	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.26	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.43	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.28	PASS
Band4	10MHz	QPSK	20000	1RB#0	21.62	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.18	PASS
Band4	10MHz	QPSK	20000	1RB#49	21.87	PASS
Band4	10MHz	QPSK	20000	25RB#0	22.04	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.96	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.93	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.87	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.69	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.71	PASS

Band4	10MHz	QPSK	20175	1RB#49	22.23	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.79	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.78	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.64	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.71	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.20	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.43	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.23	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.52	PASS
Band4	10MHz	QPSK	20350	25RB#12	21.52	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.38	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.44	PASS
Band4	10MHz	16QAM	20000	1RB#0	20.72	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.33	PASS
Band4	10MHz	16QAM	20000	1RB#49	20.86	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.06	PASS
Band4	10MHz	16QAM	20000	25RB#12	21.00	PASS
Band4	10MHz	16QAM	20000	25RB#25	21.00	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.95	PASS
Band4	10MHz	16QAM	20175	1RB#0	21.67	PASS
Band4	10MHz	16QAM	20175	1RB#24	21.82	PASS
Band4	10MHz	16QAM	20175	1RB#49	21.33	PASS
Band4	10MHz	16QAM	20175	25RB#0	20.76	PASS
Band4	10MHz	16QAM	20175	25RB#12	20.75	PASS
Band4	10MHz	16QAM	20175	25RB#25	20.61	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.67	PASS
Band4	10MHz	16QAM	20350	1RB#0	21.36	PASS
Band4	10MHz	16QAM	20350	1RB#24	21.82	PASS
Band4	10MHz	16QAM	20350	1RB#49	21.51	PASS
Band4	10MHz	16QAM	20350	25RB#0	20.59	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.59	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.45	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.44	PASS
Band4	15MHz	QPSK	20025	1RB#0	21.91	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.59	PASS

Band4	15MHz	QPSK	20025	1RB#74	22.60	PASS
Band4	15MHz	QPSK	20025	38RB#0	21.05	PASS
Band4	15MHz	QPSK	20025	38RB#18	21.80	PASS
Band4	15MHz	QPSK	20025	38RB#37	21.70	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.90	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.73	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.58	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.33	PASS
Band4	15MHz	QPSK	20175	38RB#0	22.01	PASS
Band4	15MHz	QPSK	20175	38RB#18	21.84	PASS
Band4	15MHz	QPSK	20175	38RB#37	21.60	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.02	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.61	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.49	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.43	PASS
Band4	15MHz	QPSK	20325	38RB#0	21.76	PASS
Band4	15MHz	QPSK	20325	38RB#18	21.54	PASS
Band4	15MHz	QPSK	20325	38RB#37	21.53	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.64	PASS
Band4	15MHz	16QAM	20025	1RB#0	20.93	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.03	PASS
Band4	15MHz	16QAM	20025	1RB#74	21.73	PASS
Band4	15MHz	16QAM	20025	38RB#0	21.05	PASS
Band4	15MHz	16QAM	20025	38RB#18	21.81	PASS
Band4	15MHz	16QAM	20025	38RB#37	21.85	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.66	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.85	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.80	PASS
Band4	15MHz	16QAM	20175	1RB#74	21.68	PASS
Band4	15MHz	16QAM	20175	38RB#0	21.99	PASS
Band4	15MHz	16QAM	20175	38RB#18	21.83	PASS
Band4	15MHz	16QAM	20175	38RB#37	21.60	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.93	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.79	PASS
Band4	15MHz	16QAM	20325	1RB#38	21.69	PASS

Band4	15MHz	16QAM	20325	1RB#74	21.63	PASS
Band4	15MHz	16QAM	20325	38RB#0	21.79	PASS
Band4	15MHz	16QAM	20325	38RB#18	21.55	PASS
Band4	15MHz	16QAM	20325	38RB#37	21.55	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.69	PASS
Band4	20MHz	QPSK	20050	1RB#0	21.98	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.31	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.02	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.22	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.26	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.28	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.20	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.18	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.52	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.07	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.35	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.32	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.35	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.32	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.09	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.56	PASS
Band4	20MHz	QPSK	20300	1RB#99	21.88	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.17	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.15	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.08	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.15	PASS
Band4	20MHz	16QAM	20050	1RB#0	20.72	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.17	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.06	PASS
Band4	20MHz	16QAM	20050	50RB#0	20.30	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.25	PASS
Band4	20MHz	16QAM	20050	50RB#50	20.27	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.27	PASS
Band4	20MHz	16QAM	20175	1RB#0	21.01	PASS
Band4	20MHz	16QAM	20175	1RB#49	21.61	PASS

Band4	20MHz	16QAM	20175	1RB#99	21.09	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.30	PASS
Band4	20MHz	16QAM	20175	50RB#25	20.29	PASS
Band4	20MHz	16QAM	20175	50RB#50	20.32	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.34	PASS
Band4	20MHz	16QAM	20300	1RB#0	20.98	PASS
Band4	20MHz	16QAM	20300	1RB#49	21.10	PASS
Band4	20MHz	16QAM	20300	1RB#99	20.77	PASS
Band4	20MHz	16QAM	20300	50RB#0	20.13	PASS
Band4	20MHz	16QAM	20300	50RB#25	20.10	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.18	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.11	PASS

H.2 Peak-to-Average Ratio(CCDF)

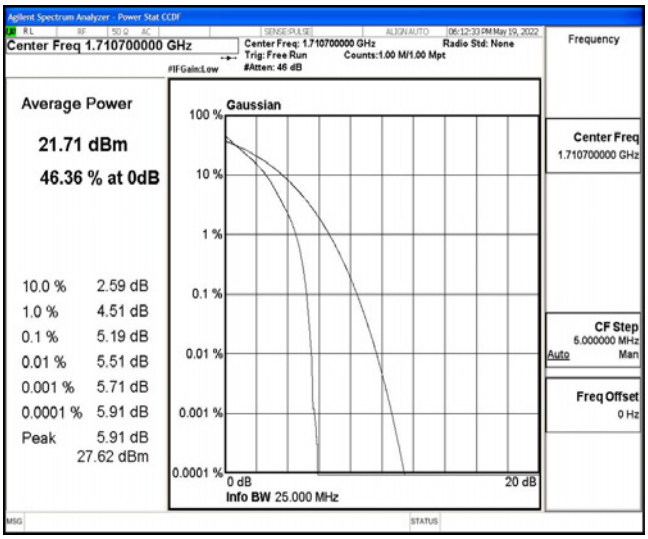
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	5.19	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.05	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.12	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	6.01	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.86	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	6.01	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.24	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.14	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.27	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.12	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.94	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	6.09	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.29	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.07	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.22	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	6.06	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.86	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	5.98	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.37	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.05	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.23	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	6.17	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	5.85	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	6.01	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.54	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.36	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	4.64	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.19	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	5.93	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	5.40	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.49	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.23	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	4.79	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	6.29	13	PASS

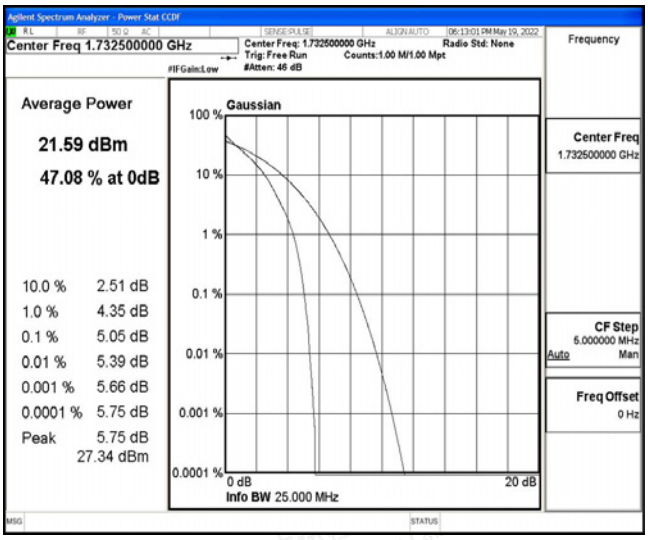
Band4	20MHz	16QAM	20175	100RB#0	5.93	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.53	13	PASS

Test Graphs

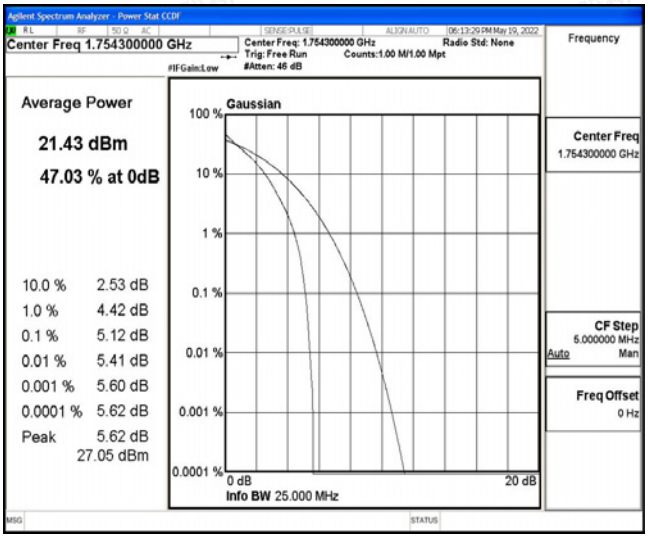
Band4-1.4MHz-QPSK-19957-6RB#0



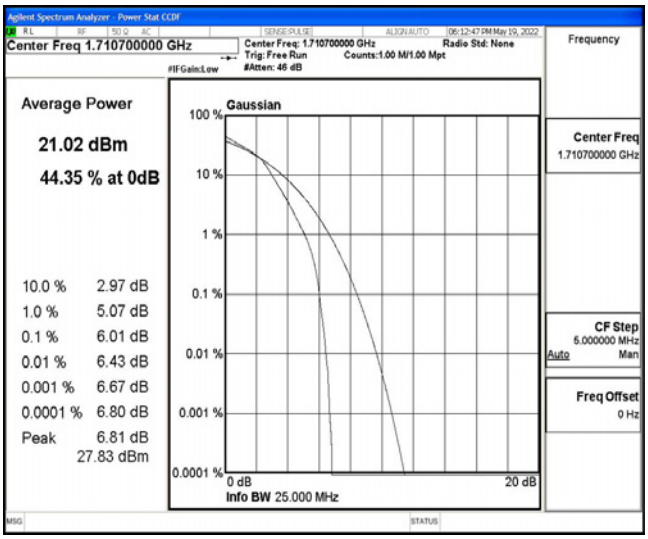
Band4-1.4MHz-QPSK-20175-6RB#0



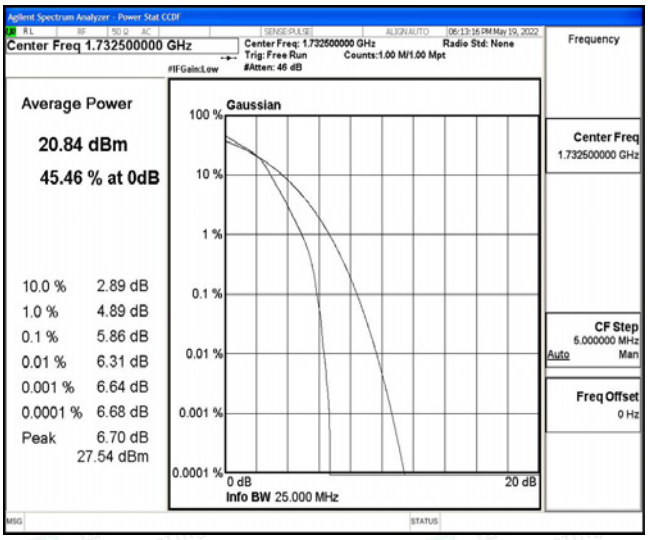
Band4-1.4MHz-QPSK-20393-6RB#0



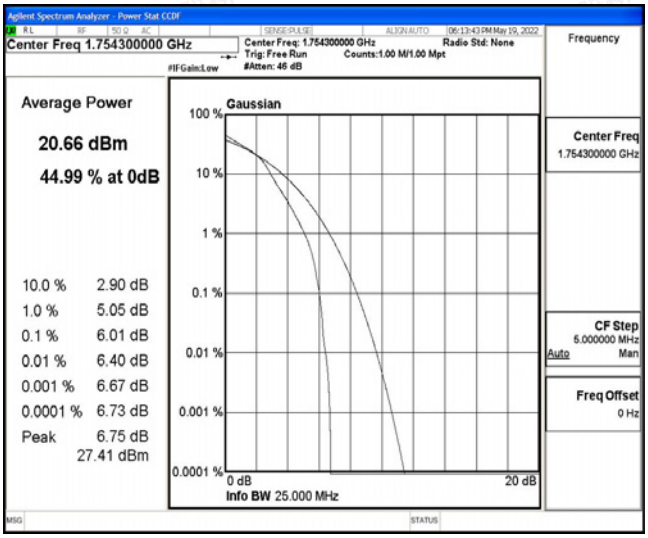
Band4-1.4MHz-16QAM-19957-6RB#0



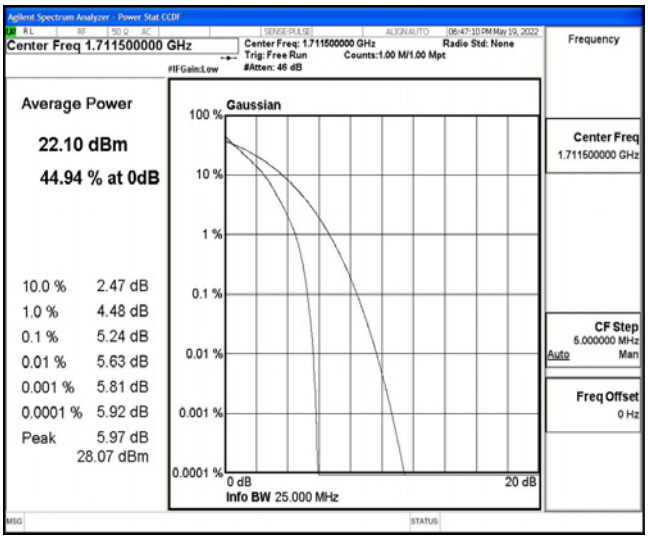
Band4-1.4MHz-16QAM-20175-6RB#0



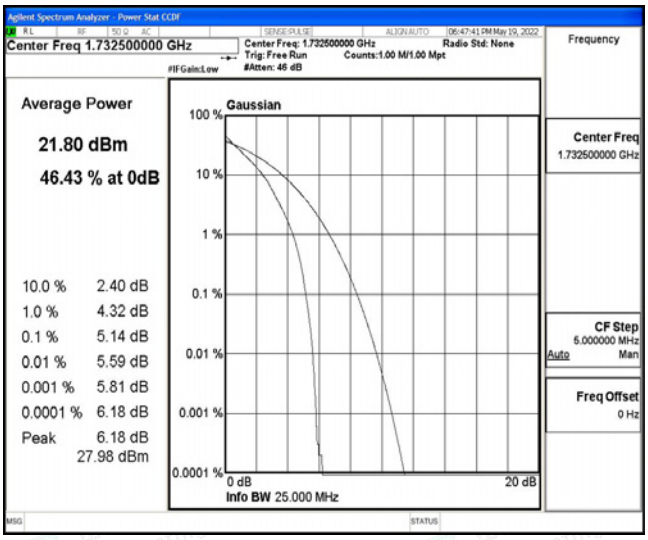
Band4-1.4MHz-16QAM-20393-6RB#0



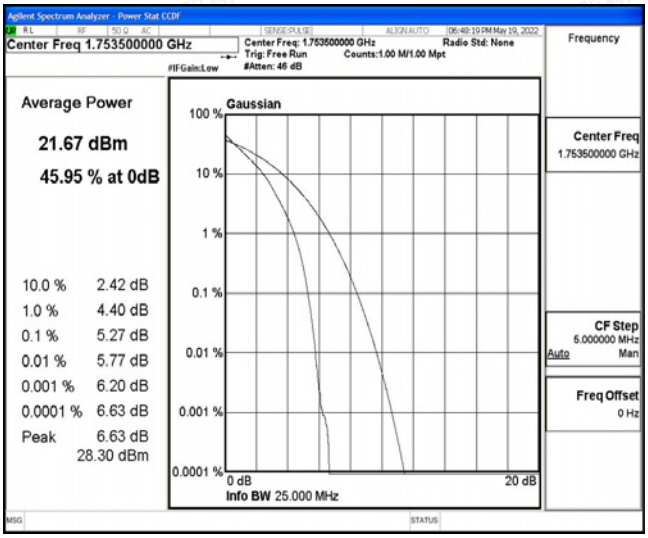
Band4-3MHz-QPSK-19965-15RB#0



Band4-3MHz-QPSK-20175-15RB#0



Band4-3MHz-QPSK-20385-15RB#0



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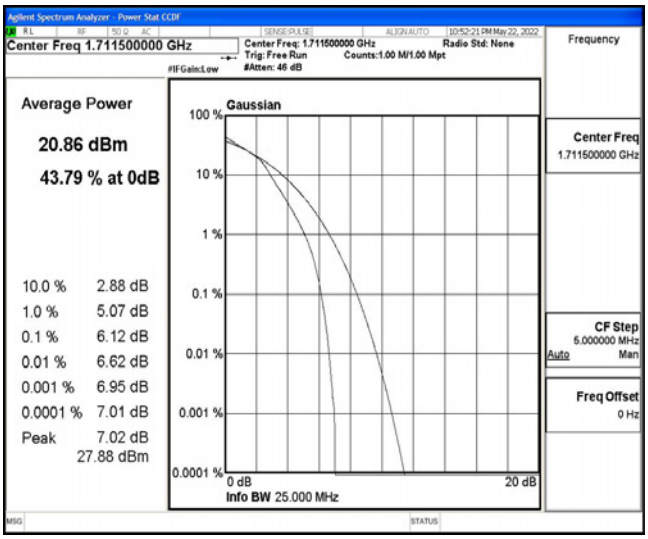

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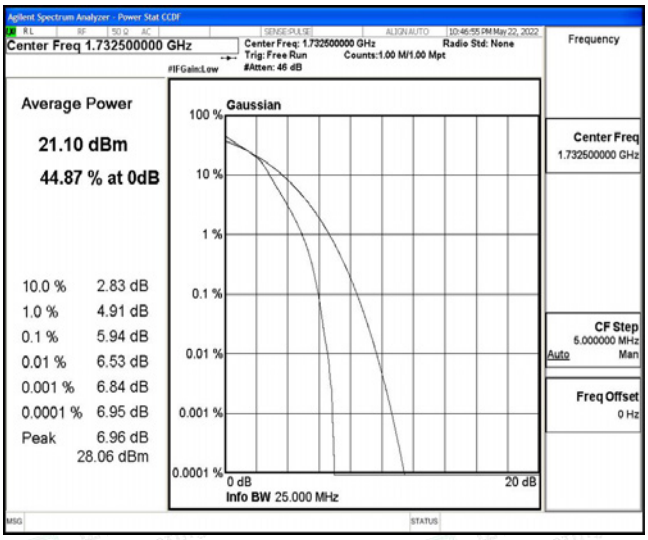

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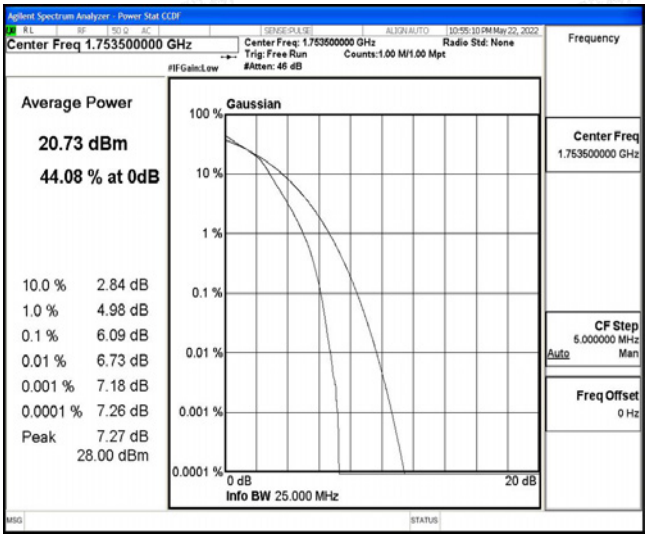

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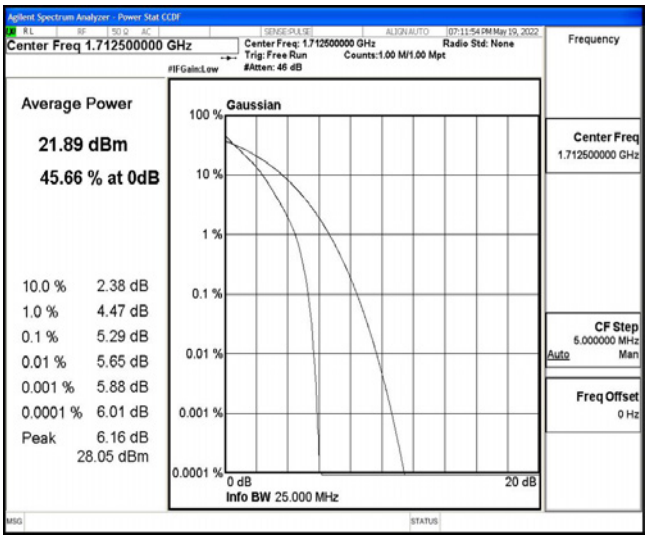

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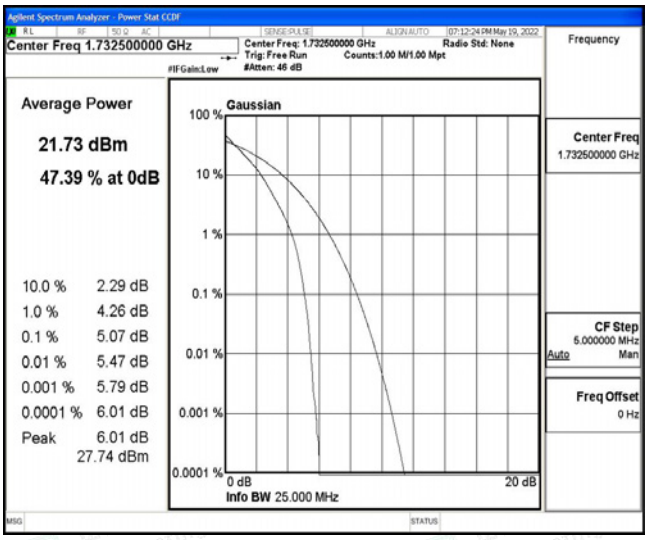

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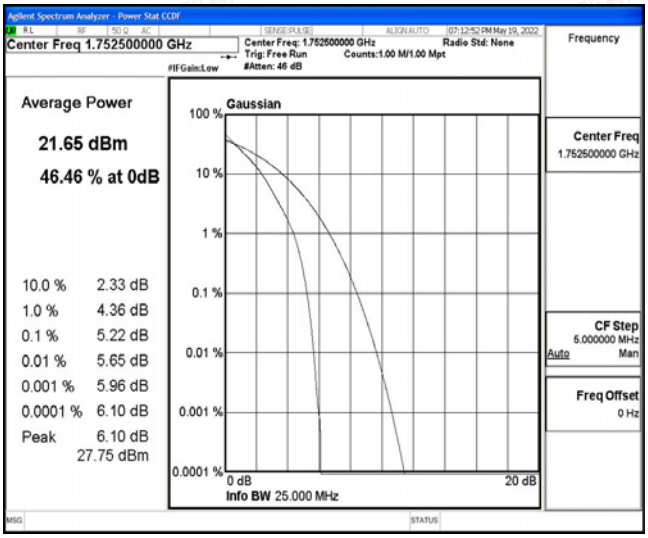

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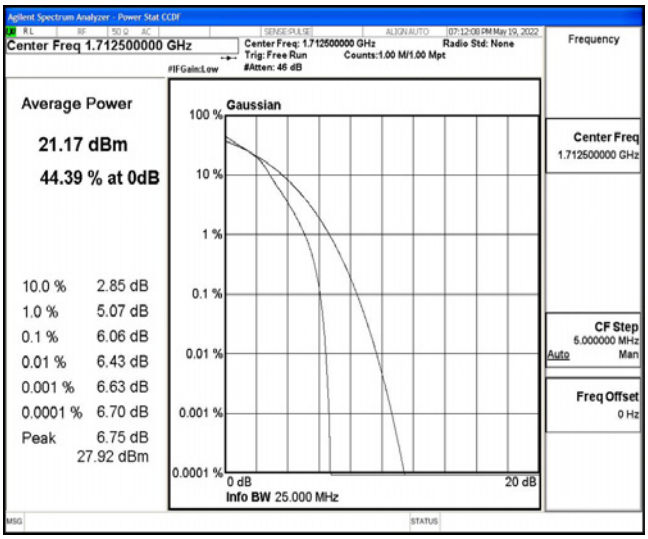

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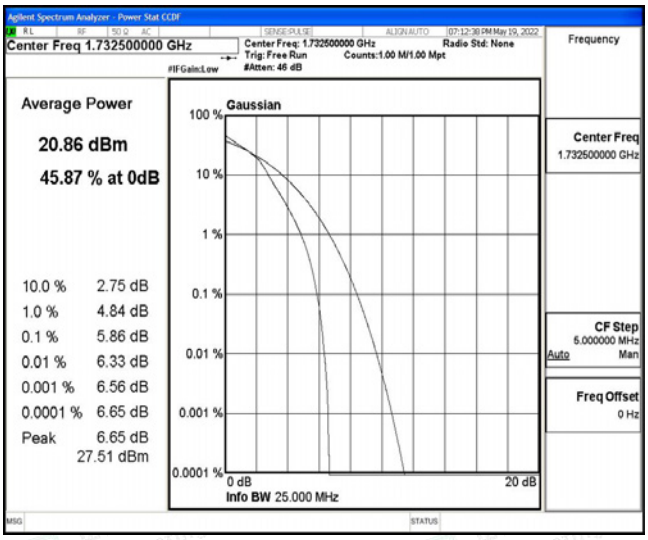

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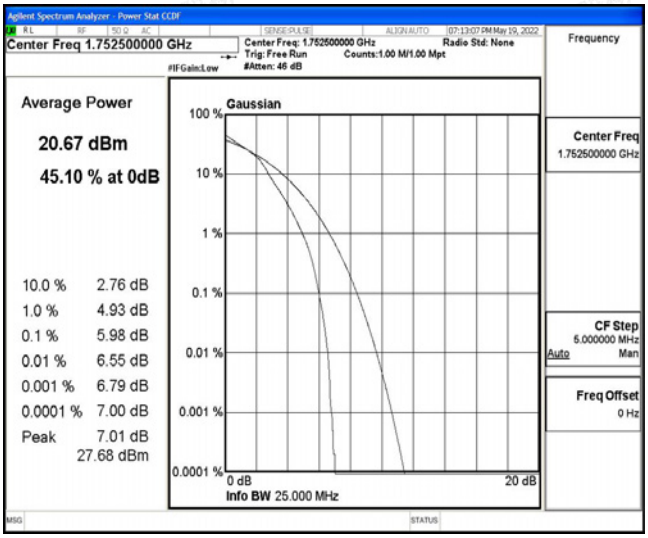

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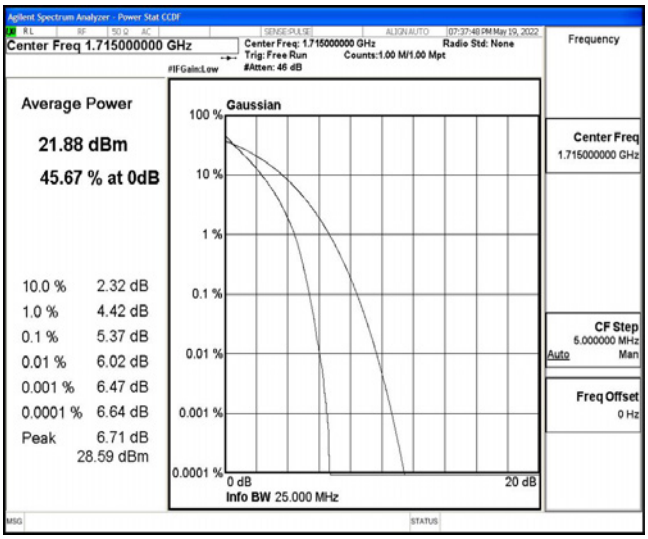
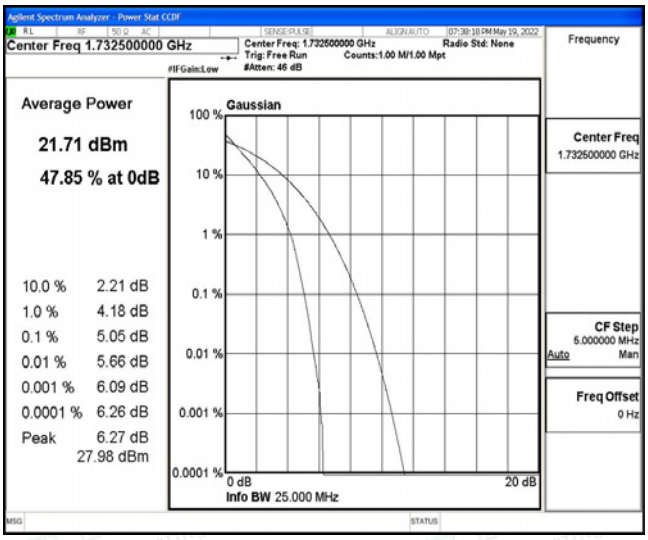


Band4-10MHz-QPSK-20175-50RB#0



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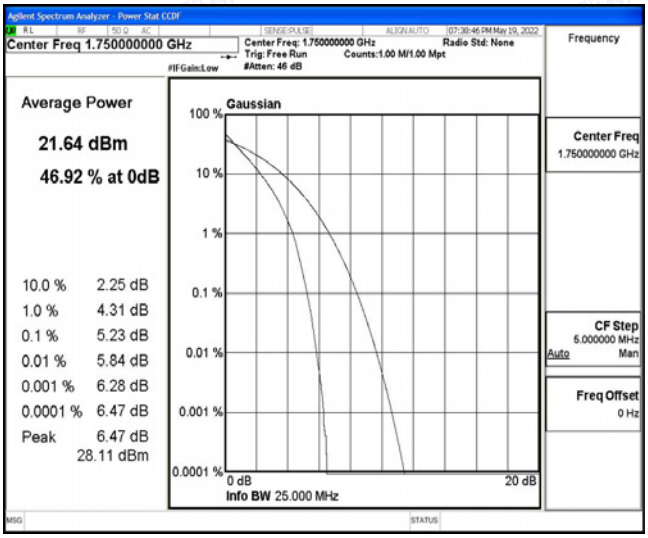

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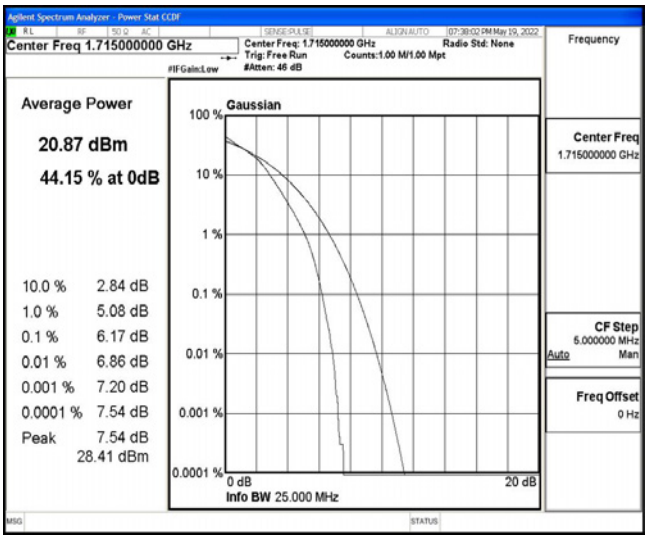

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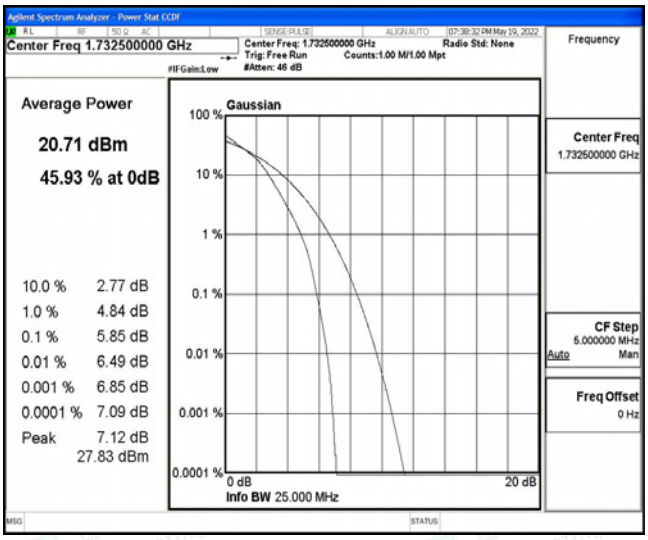

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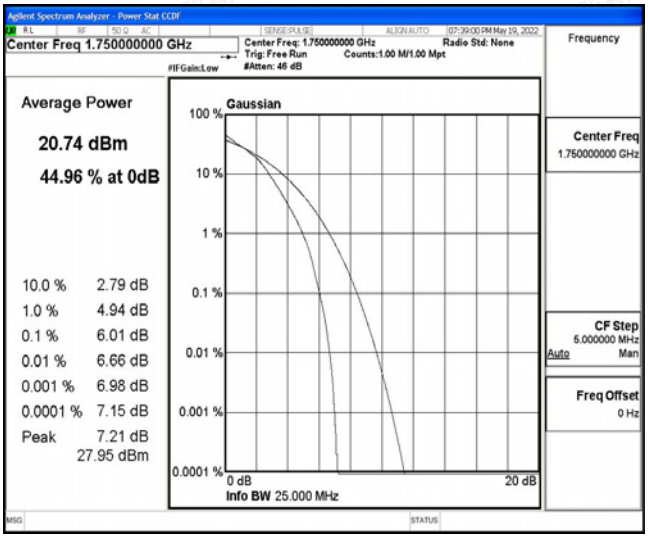
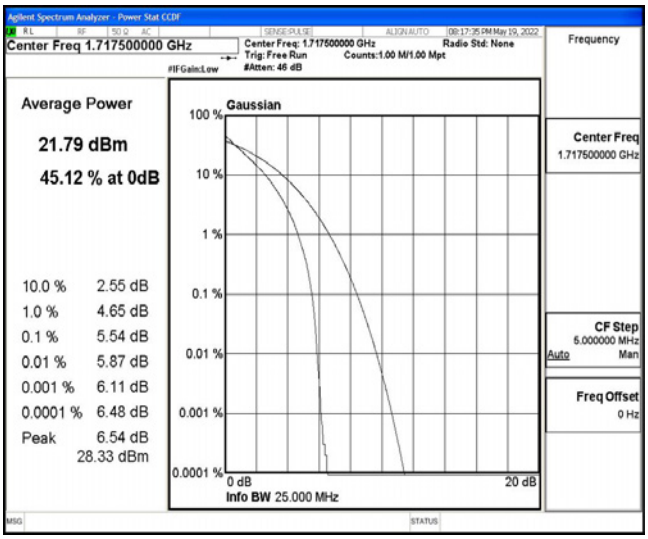


Band4-15MHz-QPSK-20025-75RB#0



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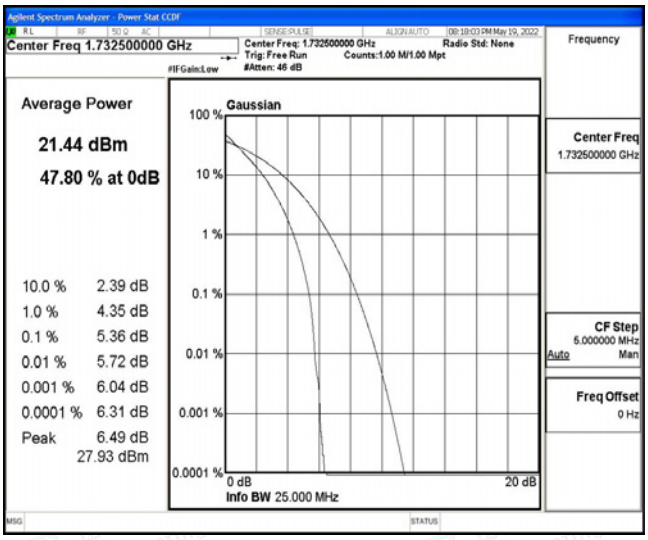

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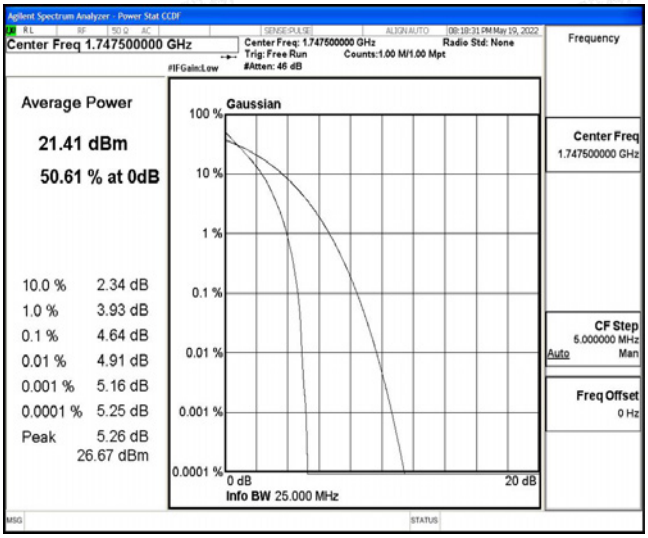

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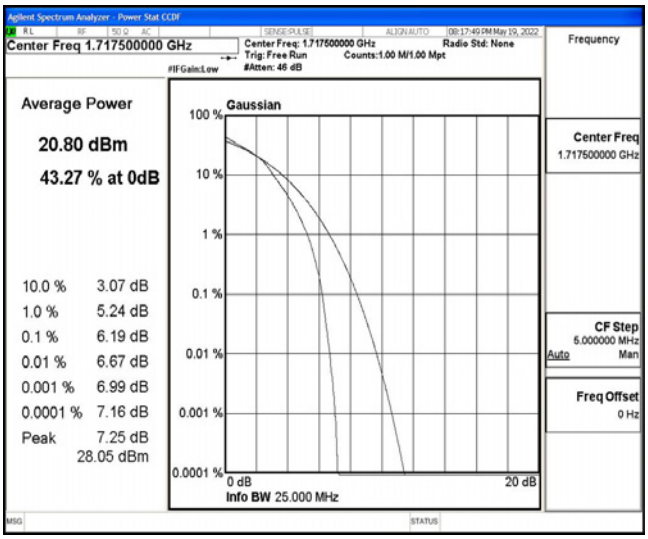

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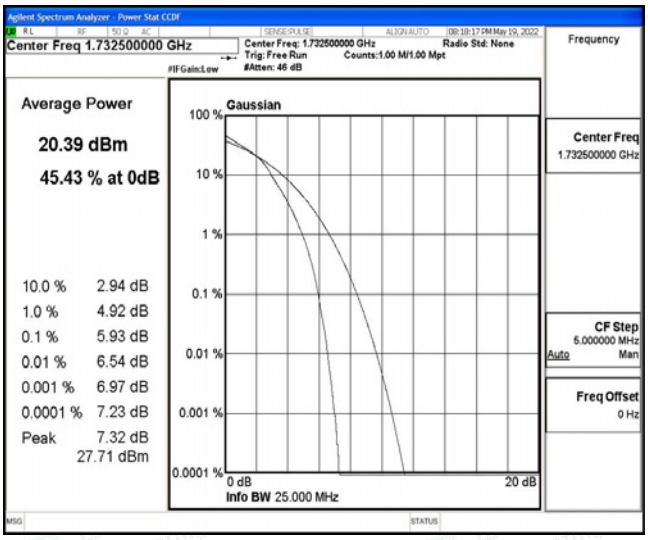

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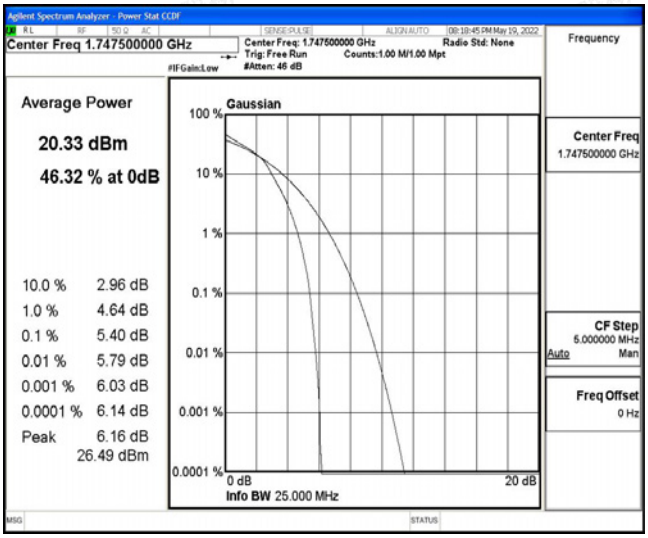

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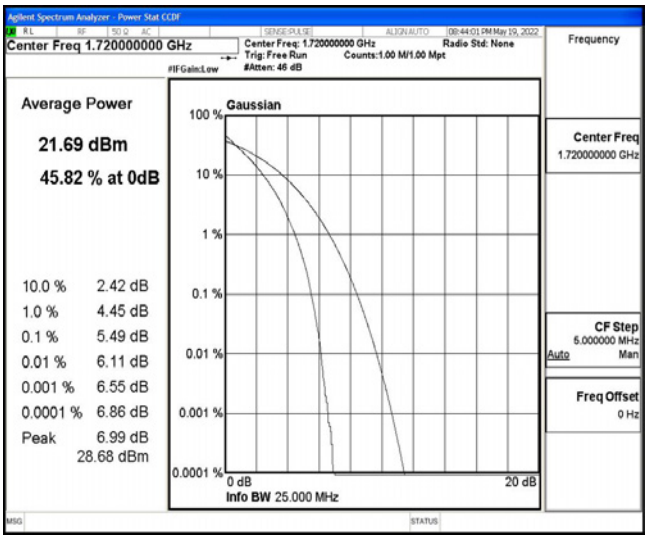
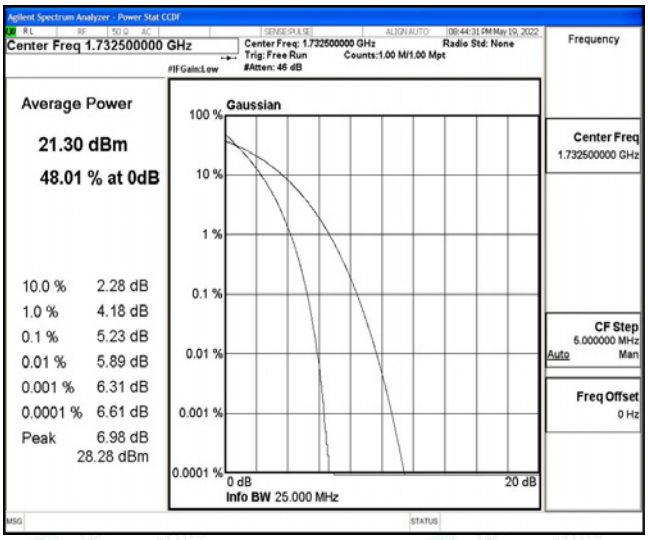
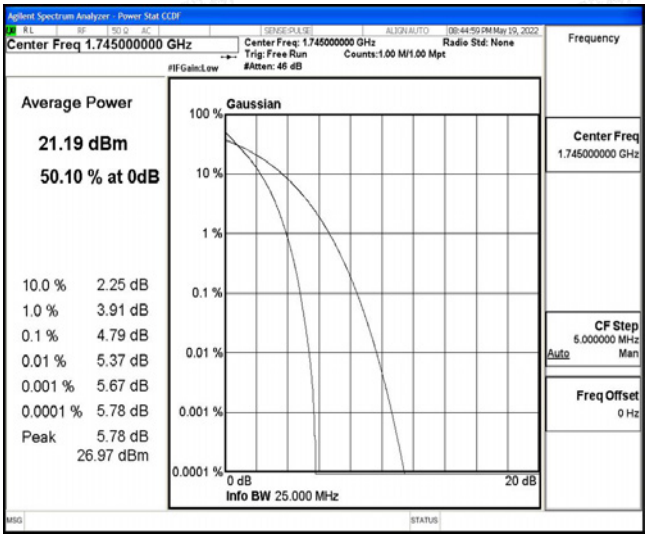


Band4-20MHz-QPSK-20175-100RB#0



Band4-20MHz-QPSK-20300-100RB#0



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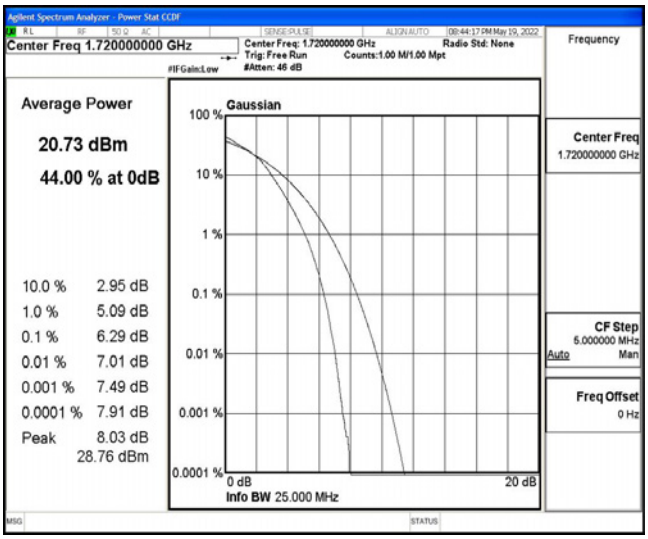

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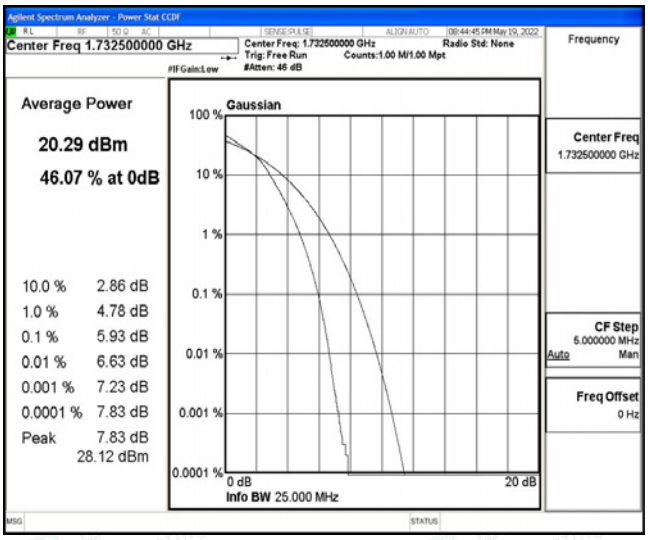
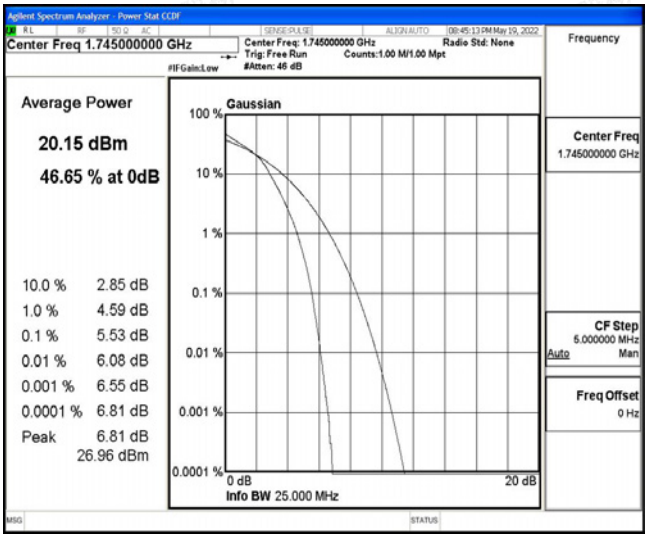


Band4-20MHz-16QAM-20300-100RB#0


Agilent Spectrum Analyzer - Power Stat CCDF
Center Freq 1.745000000 GHz
Center Freq: 1.745000000 GHz
Trig: Free Run
Counts:1.00 M/1.00 Mpt
#Atten: 46 dB
Radio Std: None
Frequency
Average Power
20.15 dBm
46.65 % at 0dB
10.0 % 2.85 dB
1.0 % 4.59 dB
0.1 % 5.53 dB
0.01 % 6.08 dB
0.001 % 6.55 dB
0.0001 % 6.81 dB
Peak 6.81 dB
26.96 dBm
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB
20 dB
Info BW 25.000 MHz
Center Freq
1.745000000 GHz
CF Step
5.000000 MHz
Auto Man
Freq Offset
0 Hz

H.3 26dB Bandwidth and Occupied Bandwidth

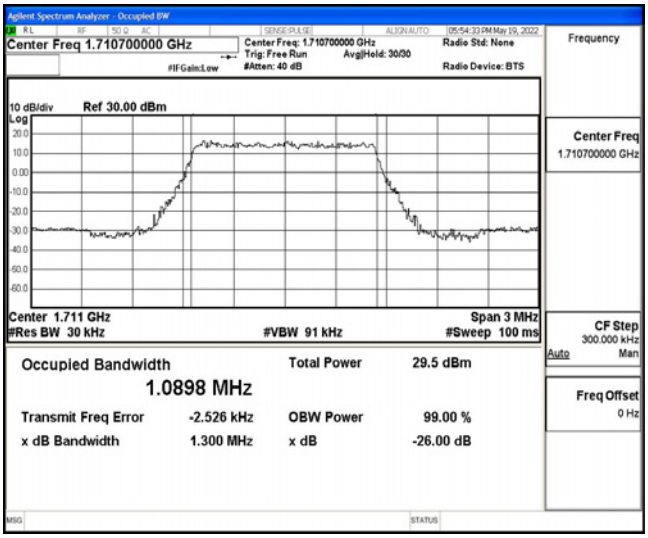
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.0898	1.300	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0965	1.311	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0927	1.316	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0938	1.287	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0977	1.273	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0988	1.277	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6796	2.959	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.7039	2.956	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6961	2.981	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6821	2.952	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6897	2.954	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6924	2.968	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5045	5.004	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5031	5.020	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5037	4.998	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5051	5.016	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.4960	5.006	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5116	5.032	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9754	9.929	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9577	9.865	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.9728	9.856	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9601	9.917	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9730	9.744	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9733	9.853	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.490	14.74	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.413	14.73	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.488	14.74	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.447	14.75	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.399	14.61	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.461	14.87	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.972	19.45	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.962	19.42	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.960	19.53	PASS

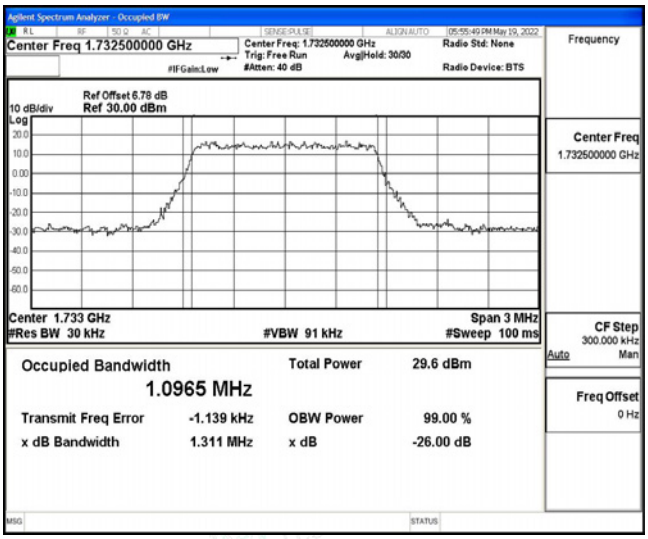
Band4	20MHz	16QAM	20050	100RB#0	18.030	19.37	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.945	19.35	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.928	19.30	PASS

Test Graphs

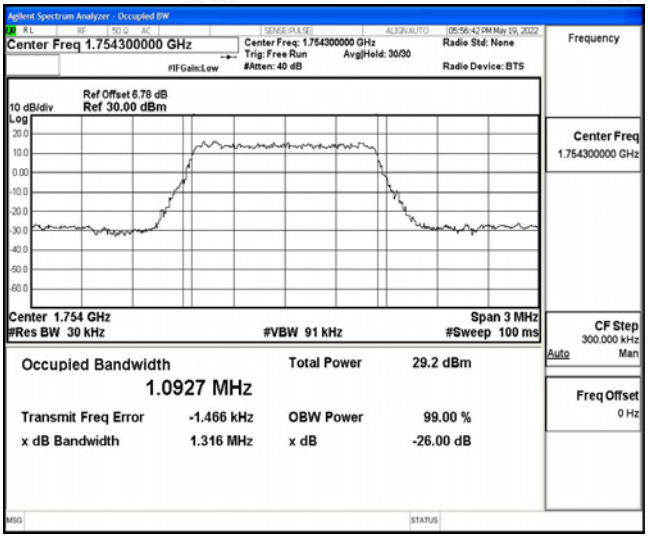
Band4-1.4MHz-QPSK-19957-6RB#0



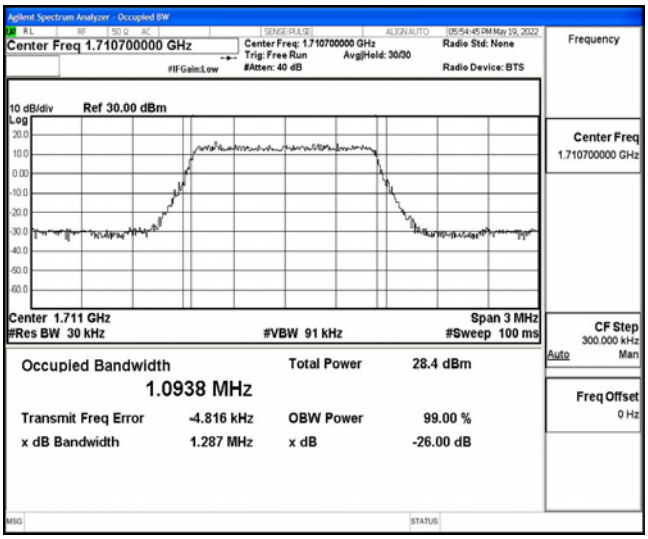
Band4-1.4MHz-QPSK-20175-6RB#0



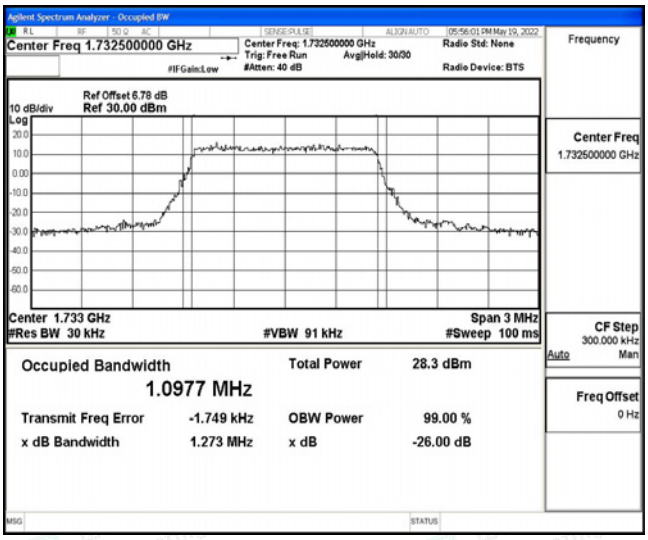
Band4-1.4MHz-QPSK-20393-6RB#0



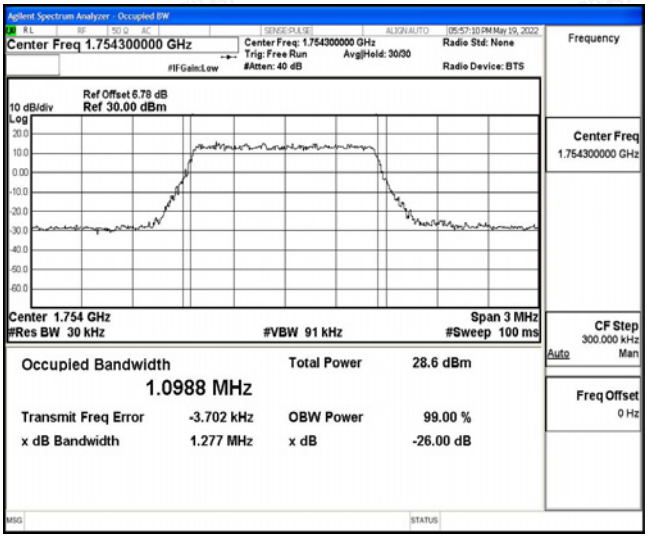
Band4-1.4MHz-16QAM-19957-6RB#0



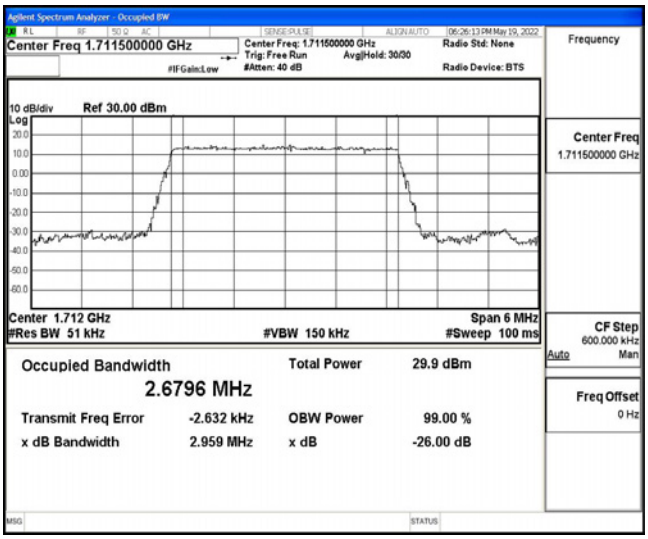
Band4-1.4MHz-16QAM-20175-6RB#0



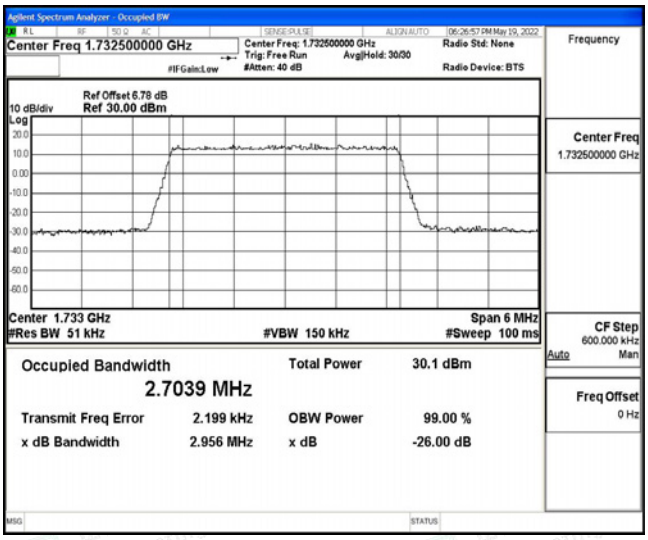
Band4-1.4MHz-16QAM-20393-6RB#0



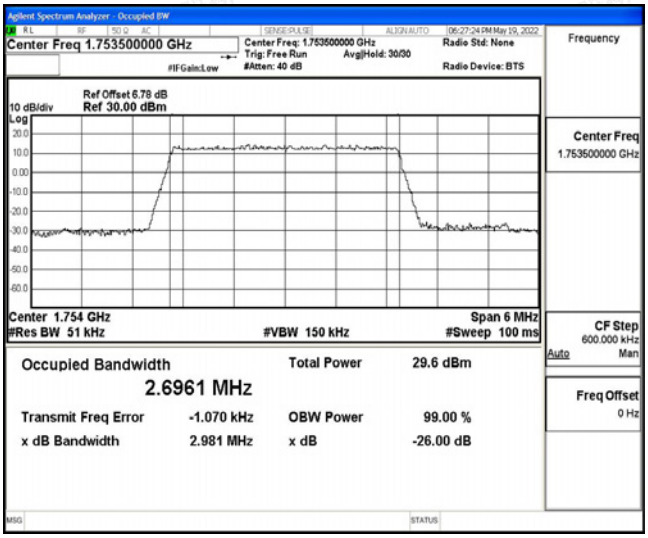
Band4-3MHz-QPSK-19965-15RB#0



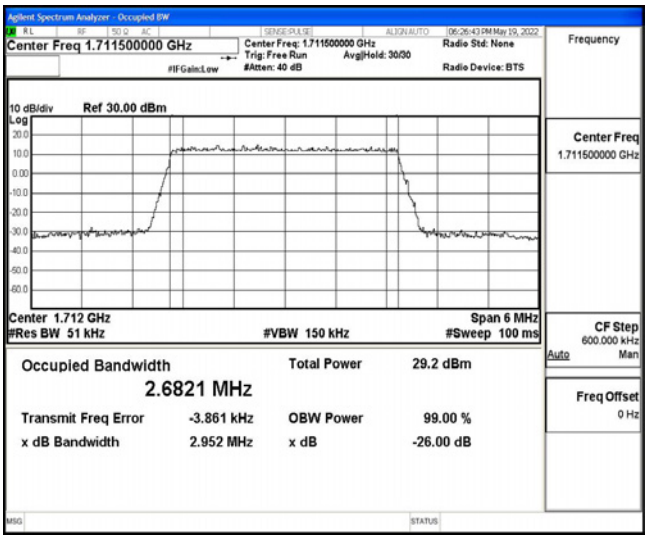
Band4-3MHz-QPSK-20175-15RB#0



Band4-3MHz-QPSK-20385-15RB#0



Band4-3MHz-16QAM-19965-15RB#0



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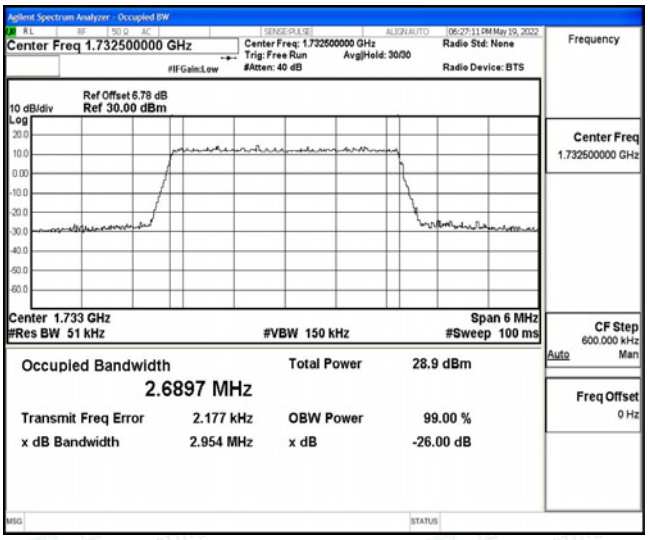

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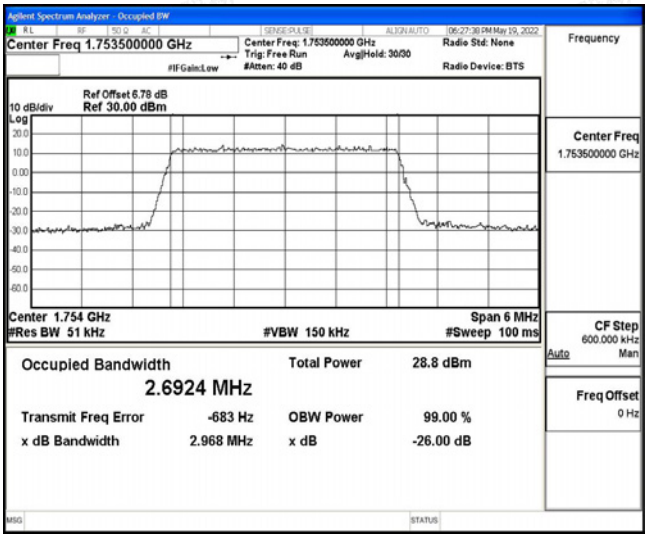
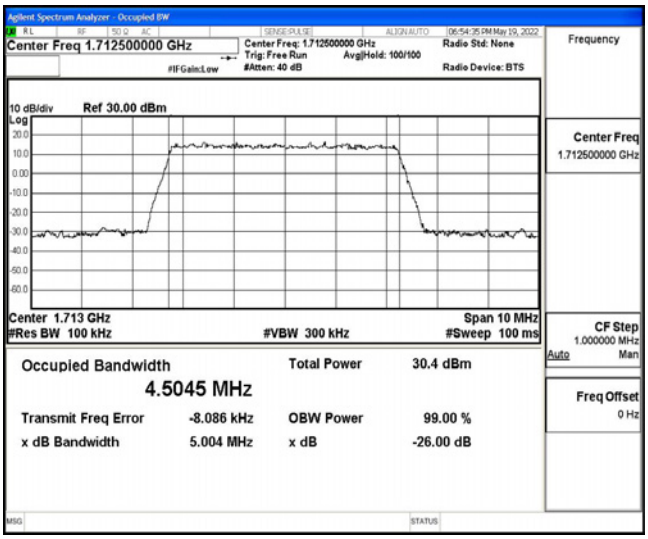
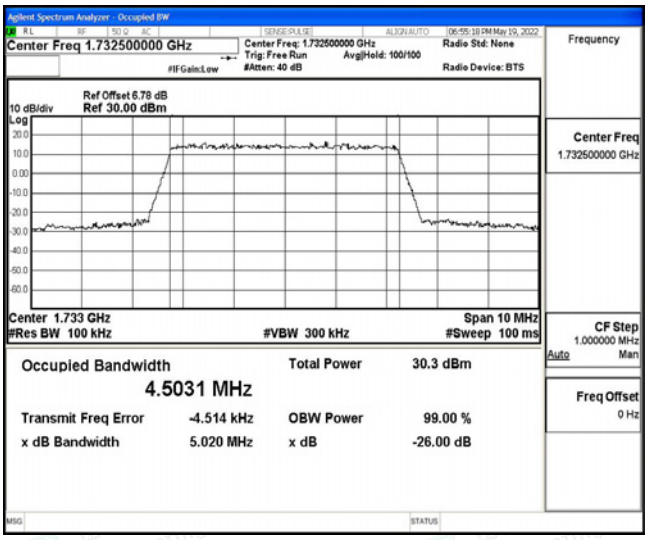


Band4-5MHz-QPSK-19975-25RB#0



Band4-5MHz-QPSK-20175-25RB#0



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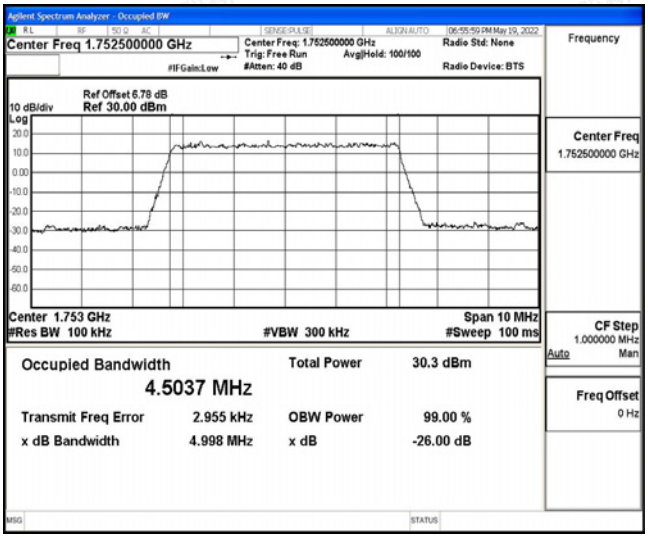
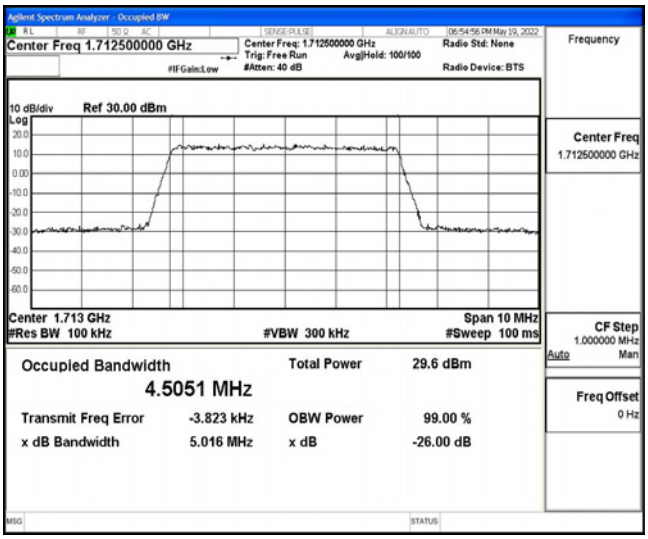
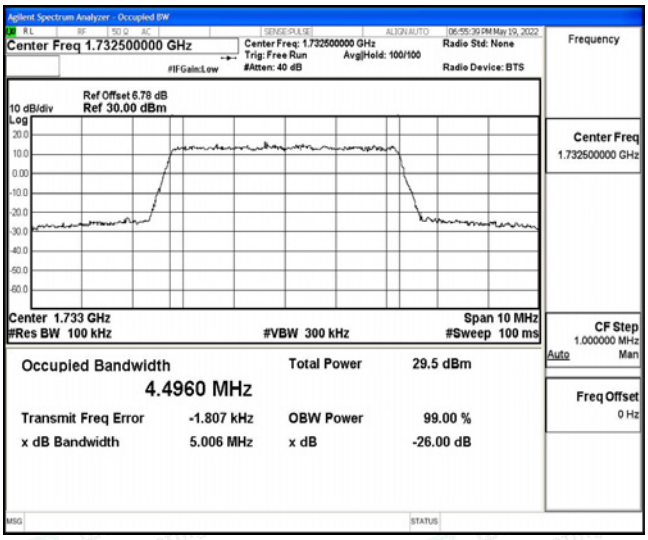


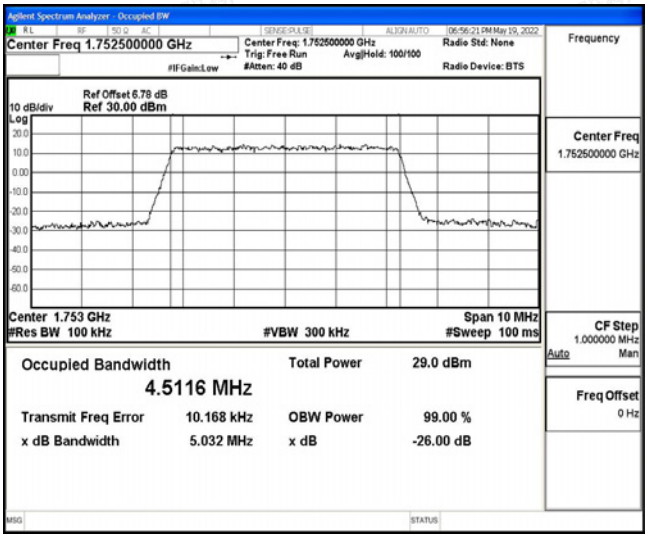
Band4-5MHz-16QAM-19975-25RB#0



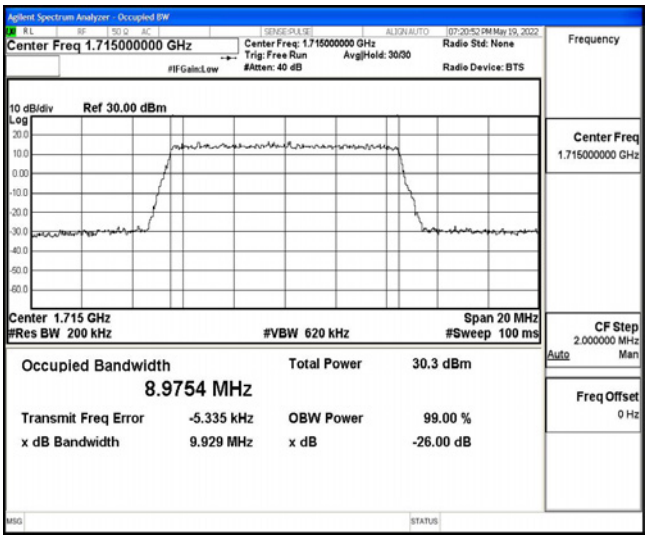
Band4-5MHz-16QAM-20175-25RB#0



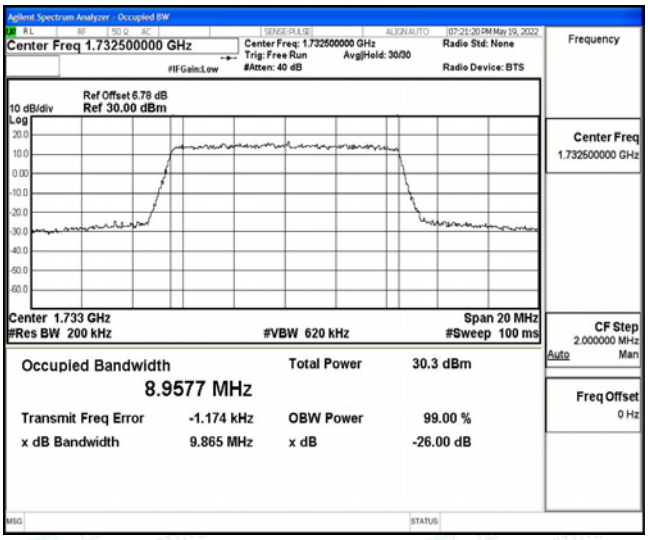
Band4-5MHz-16QAM-20375-25RB#0



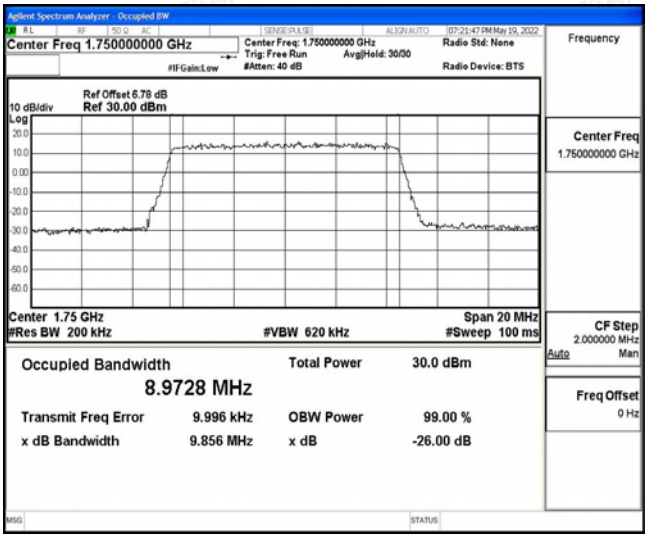
Band4-10MHz-QPSK-20000-50RB#0



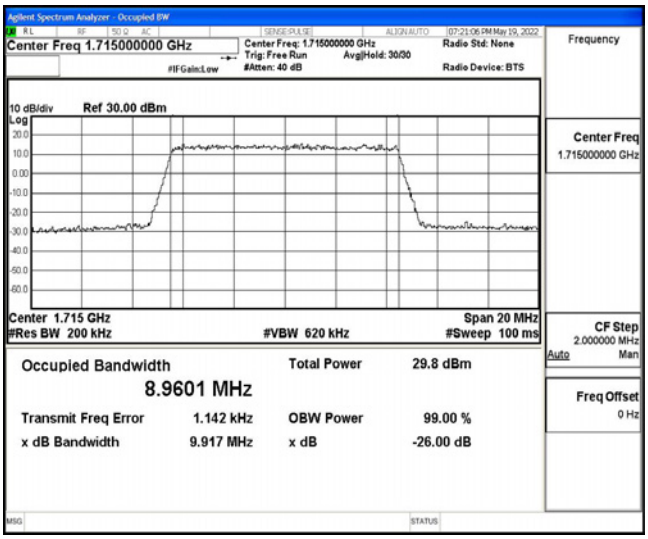
Band4-10MHz-QPSK-20175-50RB#0



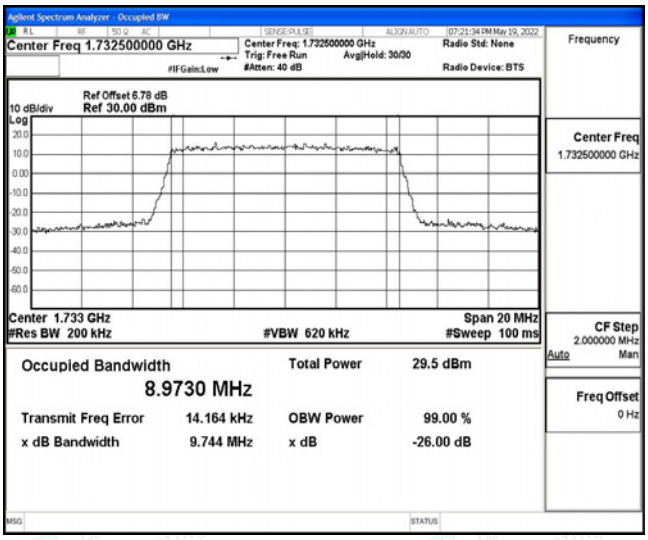
Band4-10MHz-QPSK-20350-50RB#0



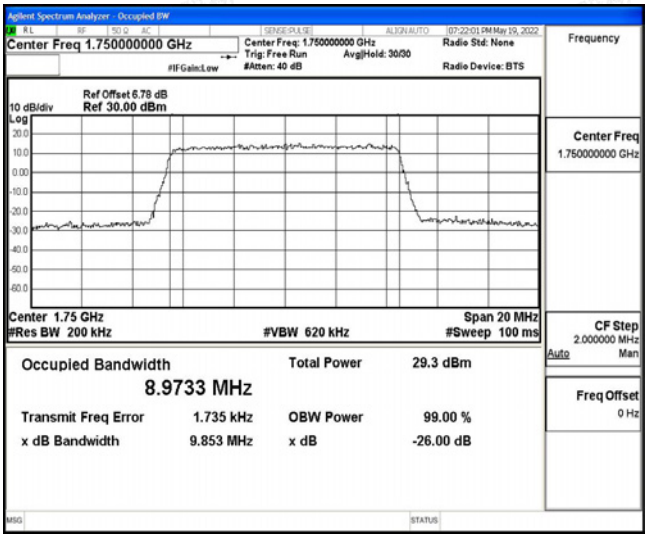
Band4-10MHz-16QAM-20000-50RB#0



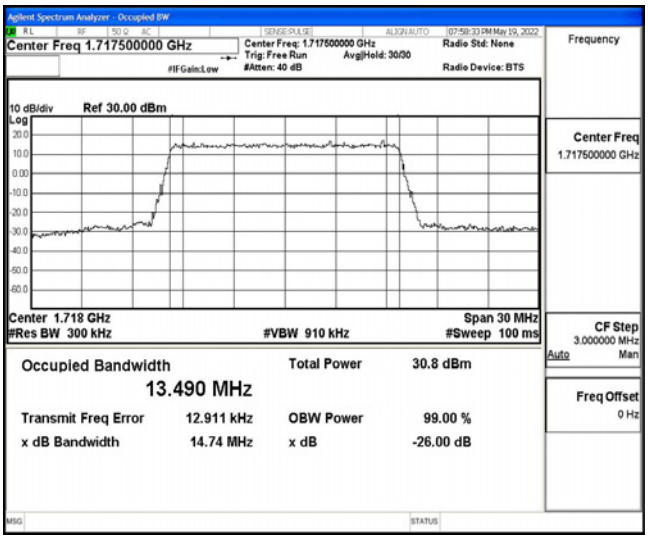
Band4-10MHz-16QAM-20175-50RB#0



Band4-10MHz-16QAM-20350-50RB#0



Band4-15MHz-QPSK-20025-75RB#0



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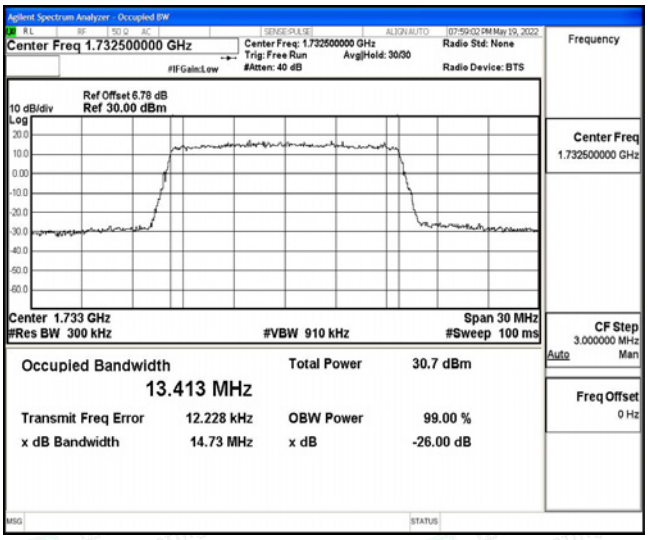
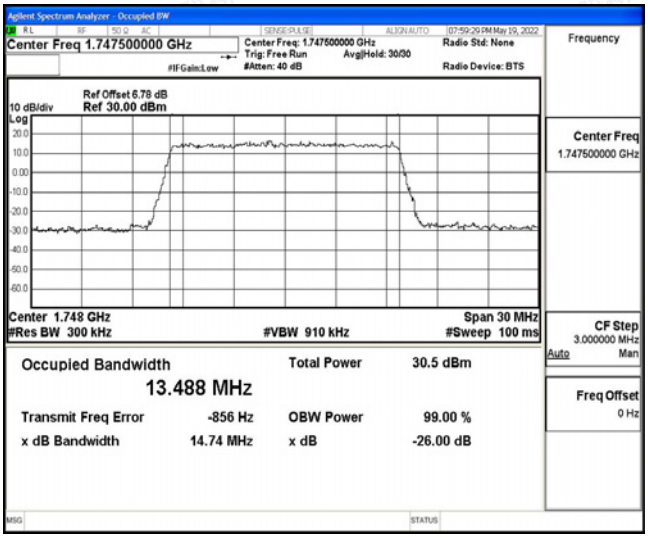


Band4-15MHz-QPSK-20325-75RB#0



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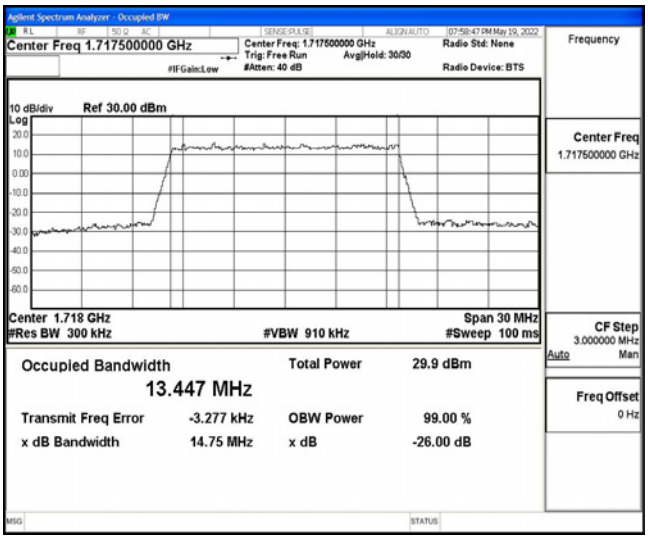

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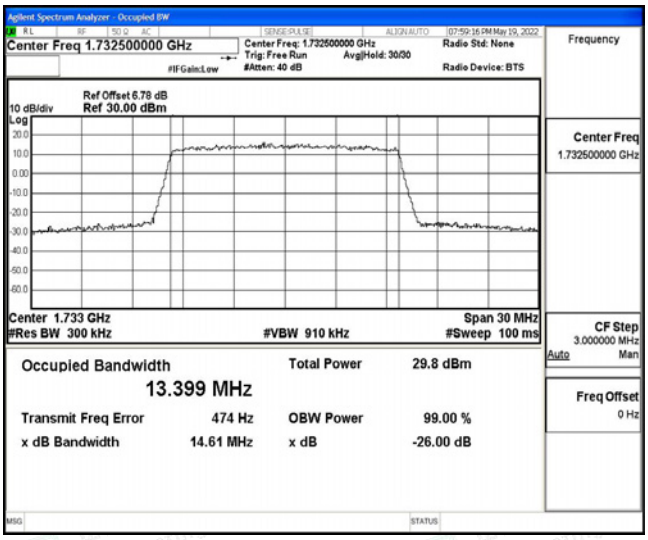

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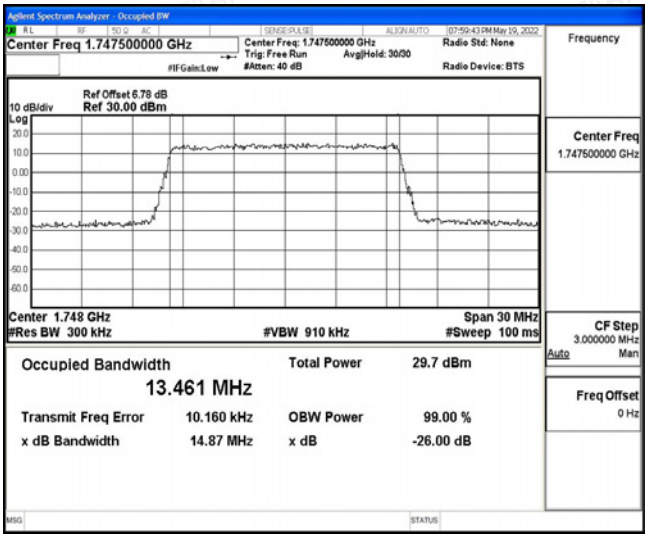
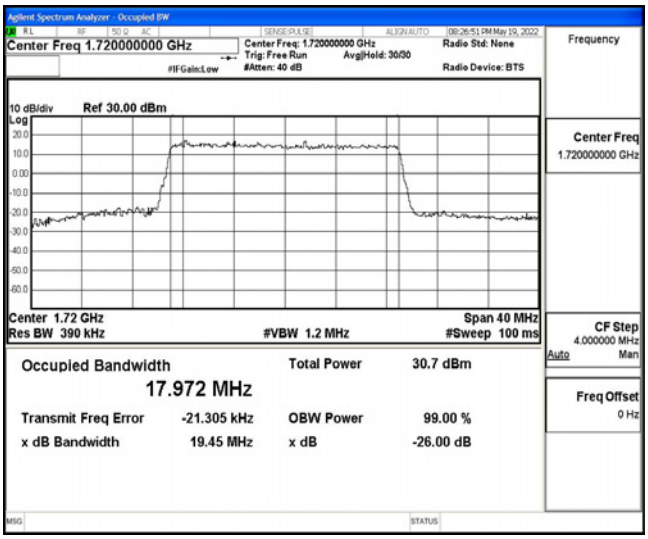
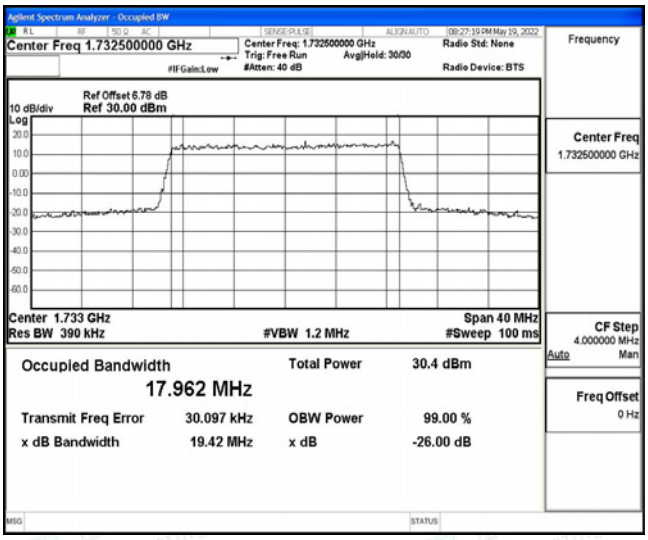


Band4-20MHz-QPSK-20050-100RB#0



Band4-20MHz-QPSK-20175-100RB#0



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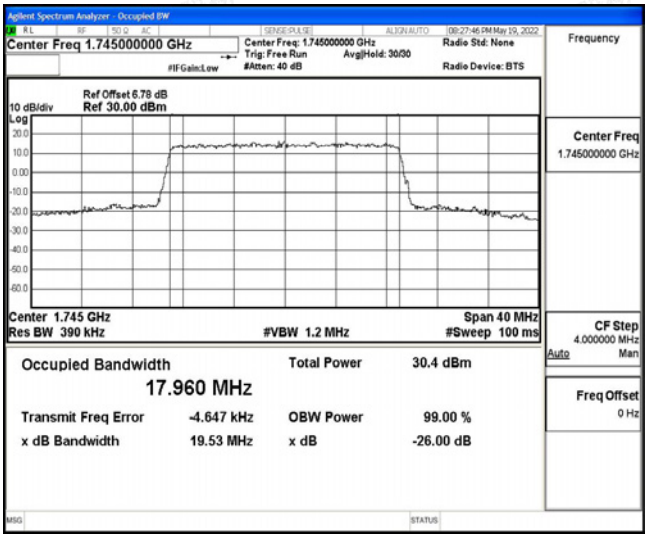
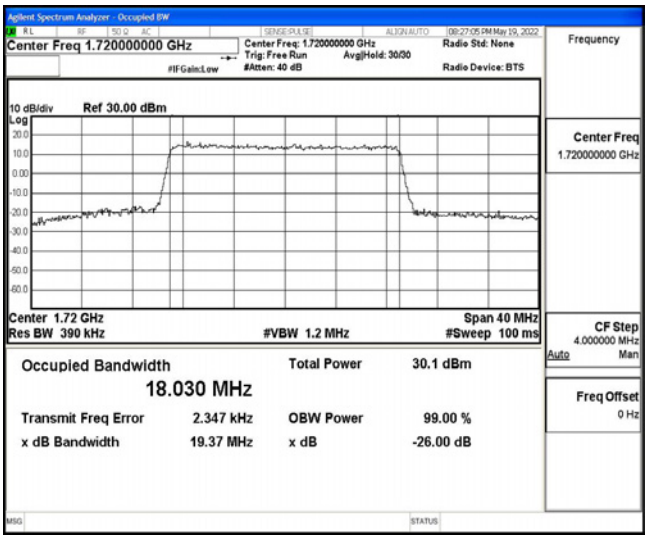


Band4-20MHz-16QAM-20050-100RB#0



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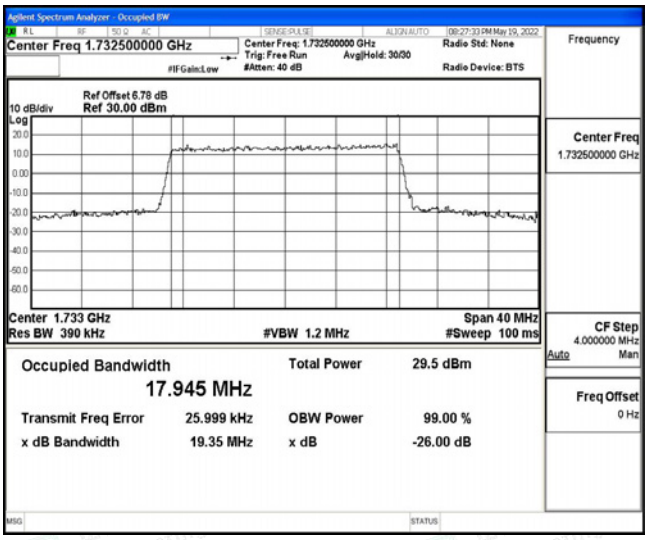
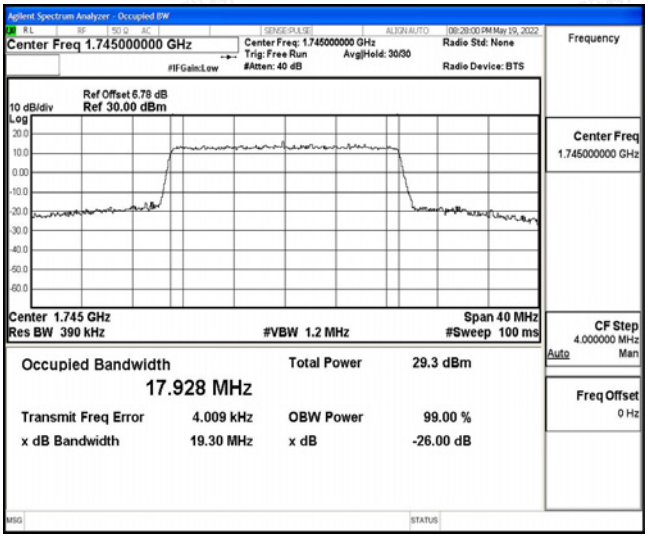


Band4-20MHz-16QAM-20300-100RB#0


Agilent Spectrum Analyzer - Occupied BW
Center Freq 1.745000000 GHz
Center Freq: 1.745000000 GHz
Trig: Free Run
Avg|Hold: 30/30
#Atten: 40 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 6.78 dB
10 dB/div
Ref 30.00 dBm
Log
Center Freq
1.745000000 GHz
Center 1.745 GHz
Res BW 390 kHz
#VBW 1.2 MHz
Span 40 MHz
#Sweep 100 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
17.928 MHz
Total Power
29.3 dBm
Transmit Freq Error
4.009 kHz
OBW Power
99.00 %
x dB Bandwidth
19.30 MHz
x dB
-26.00 dB
Freq Offset
0 Hz

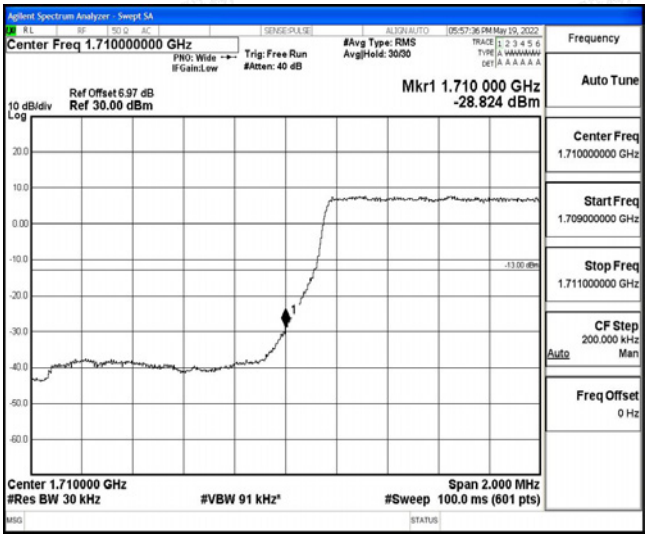
H.4 Band Edge

Test Result

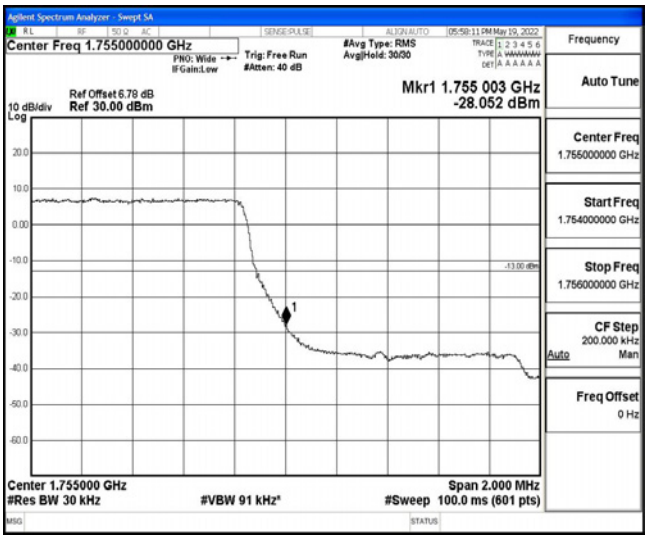
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	-28.82	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-28.05	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-29.60	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-28.30	PASS
Band4	3MHz	QPSK	19965	15RB#0	-25.27	PASS
Band4	3MHz	QPSK	20385	15RB#0	-27.22	PASS
Band4	3MHz	16QAM	19965	15RB#0	-27.41	PASS
Band4	3MHz	16QAM	20385	15RB#0	-26.55	PASS
Band4	5MHz	QPSK	19975	25RB#0	-26.13	PASS
Band4	5MHz	QPSK	20375	25RB#0	-26.67	PASS
Band4	5MHz	16QAM	19975	25RB#0	-27.25	PASS
Band4	5MHz	16QAM	20375	25RB#0	-26.42	PASS
Band4	10MHz	QPSK	20000	50RB#0	-29.52	PASS
Band4	10MHz	QPSK	20350	50RB#0	-29.42	PASS
Band4	10MHz	16QAM	20000	50RB#0	-31.09	PASS
Band4	10MHz	16QAM	20350	50RB#0	-29.50	PASS
Band4	15MHz	QPSK	20025	75RB#0	-32.36	PASS
Band4	15MHz	QPSK	20325	75RB#0	-24.62	PASS
Band4	15MHz	16QAM	20025	75RB#0	-29.54	PASS
Band4	15MHz	16QAM	20325	75RB#0	-28.26	PASS
Band4	20MHz	QPSK	20050	100RB#0	-28.95	PASS
Band4	20MHz	QPSK	20300	100RB#0	-28.08	PASS
Band4	20MHz	16QAM	20050	100RB#0	-29.14	PASS
Band4	20MHz	16QAM	20300	100RB#0	-29.97	PASS

Test Graphs

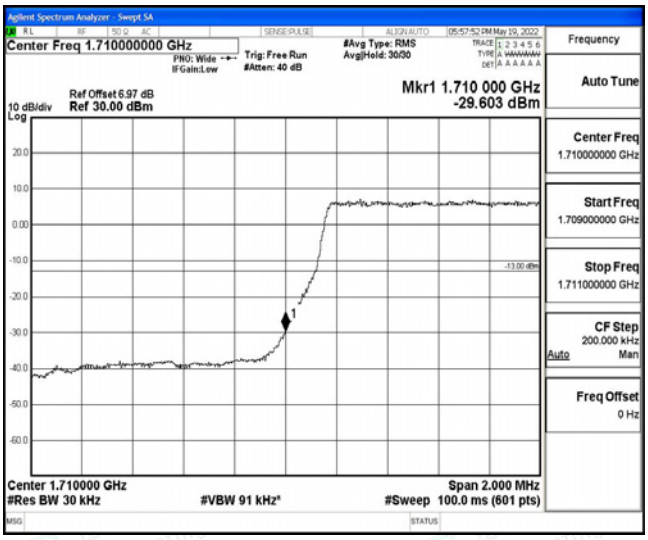
Band4-1.4MHz-QPSK-19957-6RB#0



Band4-1.4MHz-QPSK-20393-6RB#0



Band4-1.4MHz-16QAM-19957-6RB#0



Band4-1.4MHz-16QAM-20393-6RB#0