



## Appendix E: Test Data for E-UTRA Band 4

**Product Name:** Smart phone

**Test Model:** Smooth 5.5 Max

### Environmental Conditions

Temperature:	22.5° C
Relative Humidity:	53.5%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan





### E.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	22.16	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.29	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.18	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.19	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.17	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.17	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.25	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.49	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.59	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.41	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.52	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.54	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.52	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.54	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	21.99	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.15	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.06	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.03	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	21.97	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.00	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	20.93	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	21.14	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	20.94	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.00	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	20.92	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	20.94	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.14	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.35	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	21.50	PASS





Band4	1.4MHz	16QAM	20175	1RB#5	21.25	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.30	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.32	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.21	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.47	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	20.68	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	20.86	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	20.76	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	20.80	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	20.80	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	20.85	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	19.78	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.75	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.43	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.43	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.30	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.28	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.37	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.26	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.68	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.55	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.42	PASS
Band4	3MHz	QPSK	20175	8RB#0	22.15	PASS
Band4	3MHz	QPSK	20175	8RB#4	22.18	PASS
Band4	3MHz	QPSK	20175	8RB#7	22.07	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.06	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.53	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.33	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.16	PASS
Band4	3MHz	QPSK	20385	8RB#0	21.01	PASS
Band4	3MHz	QPSK	20385	8RB#4	20.96	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.61	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.53	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.55	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.10	PASS





Band4	3MHz	16QAM	19965	1RB#14	21.12	PASS
Band4	3MHz	16QAM	19965	8RB#0	20.20	PASS
Band4	3MHz	16QAM	19965	8RB#4	20.74	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.26	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.15	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.61	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.98	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.86	PASS
Band4	3MHz	16QAM	20175	8RB#0	21.10	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.11	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.01	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.06	PASS
Band4	3MHz	16QAM	20385	1RB#0	21.25	PASS
Band4	3MHz	16QAM	20385	1RB#8	21.33	PASS
Band4	3MHz	16QAM	20385	1RB#14	21.27	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.44	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.46	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.49	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.50	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.70	PASS
Band4	5MHz	QPSK	19975	1RB#12	22.42	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.36	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.12	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.14	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.27	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.26	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.62	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.55	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.30	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.55	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.59	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.39	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.50	PASS
Band4	5MHz	QPSK	20375	1RB#0	21.69	PASS
Band4	5MHz	QPSK	20375	1RB#12	21.92	PASS





Band4	5MHz	QPSK	20375	1RB#24	21.97	PASS
Band4	5MHz	QPSK	20375	12RB#0	20.82	PASS
Band4	5MHz	QPSK	20375	12RB#6	20.81	PASS
Band4	5MHz	QPSK	20375	12RB#13	20.94	PASS
Band4	5MHz	QPSK	20375	25RB#0	20.89	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.50	PASS
Band4	5MHz	16QAM	19975	1RB#12	21.24	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.21	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.11	PASS
Band4	5MHz	16QAM	19975	12RB#6	20.10	PASS
Band4	5MHz	16QAM	19975	12RB#13	20.29	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.28	PASS
Band4	5MHz	16QAM	20175	1RB#0	21.50	PASS
Band4	5MHz	16QAM	20175	1RB#12	21.47	PASS
Band4	5MHz	16QAM	20175	1RB#24	21.19	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.52	PASS
Band4	5MHz	16QAM	20175	12RB#6	20.58	PASS
Band4	5MHz	16QAM	20175	12RB#13	20.34	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.51	PASS
Band4	5MHz	16QAM	20375	1RB#0	20.68	PASS
Band4	5MHz	16QAM	20375	1RB#12	20.92	PASS
Band4	5MHz	16QAM	20375	1RB#24	20.96	PASS
Band4	5MHz	16QAM	20375	12RB#0	19.83	PASS
Band4	5MHz	16QAM	20375	12RB#6	19.77	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.01	PASS
Band4	5MHz	16QAM	20375	25RB#0	19.86	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.65	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.64	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.60	PASS
Band4	10MHz	QPSK	20000	25RB#0	21.33	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.33	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.64	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.44	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.79	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.54	PASS







Band4	10MHz	QPSK	20175	1RB#49	22.08	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.73	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.72	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.33	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.53	PASS
Band4	10MHz	QPSK	20350	1RB#0	21.70	PASS
Band4	10MHz	QPSK	20350	1RB#24	21.97	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.02	PASS
Band4	10MHz	QPSK	20350	25RB#0	20.74	PASS
Band4	10MHz	QPSK	20350	25RB#12	20.77	PASS
Band4	10MHz	QPSK	20350	25RB#25	20.93	PASS
Band4	10MHz	QPSK	20350	50RB#0	20.88	PASS
Band4	10MHz	16QAM	20000	1RB#0	21.61	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.67	PASS
Band4	10MHz	16QAM	20000	1RB#49	21.57	PASS
Band4	10MHz	16QAM	20000	25RB#0	20.26	PASS
Band4	10MHz	16QAM	20000	25RB#12	20.25	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.58	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.39	PASS
Band4	10MHz	16QAM	20175	1RB#0	21.69	PASS
Band4	10MHz	16QAM	20175	1RB#24	21.59	PASS
Band4	10MHz	16QAM	20175	1RB#49	21.01	PASS
Band4	10MHz	16QAM	20175	25RB#0	20.66	PASS
Band4	10MHz	16QAM	20175	25RB#12	20.70	PASS
Band4	10MHz	16QAM	20175	25RB#25	20.28	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.54	PASS
Band4	10MHz	16QAM	20350	1RB#0	20.47	PASS
Band4	10MHz	16QAM	20350	1RB#24	20.71	PASS
Band4	10MHz	16QAM	20350	1RB#49	20.78	PASS
Band4	10MHz	16QAM	20350	25RB#0	19.71	PASS
Band4	10MHz	16QAM	20350	25RB#12	19.73	PASS
Band4	10MHz	16QAM	20350	25RB#25	19.95	PASS
Band4	10MHz	16QAM	20350	50RB#0	19.85	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.52	PASS
Band4	15MHz	QPSK	20025	1RB#38	23.15	PASS





Band4	15MHz	QPSK	20025	1RB#74	23.10	PASS
Band4	15MHz	QPSK	20025	38RB#0	21.44	PASS
Band4	15MHz	QPSK	20025	38RB#18	22.03	PASS
Band4	15MHz	QPSK	20025	38RB#37	22.08	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.12	PASS
Band4	15MHz	QPSK	20175	1RB#0	23.03	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.02	PASS
Band4	15MHz	QPSK	20175	1RB#74	21.67	PASS
Band4	15MHz	QPSK	20175	38RB#0	22.09	PASS
Band4	15MHz	QPSK	20175	38RB#18	21.97	PASS
Band4	15MHz	QPSK	20175	38RB#37	21.25	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.03	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.14	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.13	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.29	PASS
Band4	15MHz	QPSK	20325	38RB#0	21.10	PASS
Band4	15MHz	QPSK	20325	38RB#18	21.18	PASS
Band4	15MHz	QPSK	20325	38RB#37	21.24	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.37	PASS
Band4	15MHz	16QAM	20025	1RB#0	21.49	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.03	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.03	PASS
Band4	15MHz	16QAM	20025	38RB#0	21.49	PASS
Band4	15MHz	16QAM	20025	38RB#18	22.10	PASS
Band4	15MHz	16QAM	20025	38RB#37	22.12	PASS
Band4	15MHz	16QAM	20025	75RB#0	21.01	PASS
Band4	15MHz	16QAM	20175	1RB#0	22.10	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.99	PASS
Band4	15MHz	16QAM	20175	1RB#74	21.23	PASS
Band4	15MHz	16QAM	20175	38RB#0	22.21	PASS
Band4	15MHz	16QAM	20175	38RB#18	21.94	PASS
Band4	15MHz	16QAM	20175	38RB#37	21.24	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.91	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.21	PASS
Band4	15MHz	16QAM	20325	1RB#38	21.18	PASS





Band4	15MHz	16QAM	20325	1RB#74	21.21	PASS
Band4	15MHz	16QAM	20325	38RB#0	21.16	PASS
Band4	15MHz	16QAM	20325	38RB#18	21.16	PASS
Band4	15MHz	16QAM	20325	38RB#37	21.21	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.29	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.45	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.42	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.89	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.94	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.89	PASS
Band4	20MHz	QPSK	20050	50RB#50	22.18	PASS
Band4	20MHz	QPSK	20050	100RB#0	22.05	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.16	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.28	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.03	PASS
Band4	20MHz	QPSK	20175	50RB#0	22.25	PASS
Band4	20MHz	QPSK	20175	50RB#25	22.24	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.60	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.92	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.43	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.34	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.18	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.55	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.51	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.31	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.36	PASS
Band4	20MHz	16QAM	20050	1RB#0	21.40	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.32	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.58	PASS
Band4	20MHz	16QAM	20050	50RB#0	20.82	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.91	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.18	PASS
Band4	20MHz	16QAM	20050	100RB#0	21.01	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.01	PASS
Band4	20MHz	16QAM	20175	1RB#49	21.95	PASS







Band4	20MHz	16QAM	20175	1RB#99	20.89	PASS
Band4	20MHz	16QAM	20175	50RB#0	21.23	PASS
Band4	20MHz	16QAM	20175	50RB#25	21.18	PASS
Band4	20MHz	16QAM	20175	50RB#50	20.58	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.88	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.27	PASS
Band4	20MHz	16QAM	20300	1RB#49	21.15	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.01	PASS
Band4	20MHz	16QAM	20300	50RB#0	20.55	PASS
Band4	20MHz	16QAM	20300	50RB#25	20.57	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.29	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.39	PASS





## E.2 Peak-to-Average Ratio(CCDF)

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	3.90	13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	4.61	13	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	3.94	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	4.71	13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	3.72	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	4.37	13	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	5.00	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	5.46	13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	5.12	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.64	13	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	4.75	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	5.42	13	PASS
Band4	3MHz	QPSK	19965	1RB#0	3.77	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	4.64	13	PASS
Band4	3MHz	QPSK	20175	1RB#0	3.78	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	4.79	13	PASS
Band4	3MHz	QPSK	20385	1RB#0	3.76	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	4.53	13	PASS
Band4	3MHz	16QAM	19965	1RB#0	4.77	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	5.46	13	PASS
Band4	3MHz	16QAM	20175	1RB#0	4.71	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.73	13	PASS
Band4	3MHz	16QAM	20385	1RB#0	4.80	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	5.47	13	PASS
Band4	5MHz	QPSK	19975	1RB#0	4.04	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.69	13	PASS
Band4	5MHz	QPSK	20175	1RB#0	3.95	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.87	13	PASS
Band4	5MHz	QPSK	20375	1RB#0	4.12	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.79	13	PASS
Band4	5MHz	16QAM	19975	1RB#0	4.86	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	5.57	13	PASS
Band4	5MHz	16QAM	20175	1RB#0	4.80	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.76	13	PASS
Band4	5MHz	16QAM	20375	1RB#0	5.03	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	5.69	13	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



Band4	10MHz	QPSK	20000	1RB#0	3.84	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	4.61	13	PASS
Band4	10MHz	QPSK	20175	1RB#0	3.70	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	4.86	13	PASS
Band4	10MHz	QPSK	20350	1RB#0	4.38	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	4.96	13	PASS
Band4	10MHz	16QAM	20000	1RB#0	4.89	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	5.54	13	PASS
Band4	10MHz	16QAM	20175	1RB#0	4.49	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	5.77	13	PASS
Band4	10MHz	16QAM	20350	1RB#0	5.31	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	5.91	13	PASS
Band4	15MHz	QPSK	20025	1RB#0	3.96	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	4.87	13	PASS
Band4	15MHz	QPSK	20175	1RB#0	3.69	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.21	13	PASS
Band4	15MHz	QPSK	20325	1RB#0	4.50	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.44	13	PASS
Band4	15MHz	16QAM	20025	1RB#0	4.88	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	5.71	13	PASS
Band4	15MHz	16QAM	20175	1RB#0	4.51	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	5.99	13	PASS
Band4	15MHz	16QAM	20325	1RB#0	5.52	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	6.18	13	PASS
Band4	20MHz	QPSK	20050	1RB#0	4.10	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.00	13	PASS
Band4	20MHz	QPSK	20175	1RB#0	3.68	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.21	13	PASS
Band4	20MHz	QPSK	20300	1RB#0	4.48	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.40	13	PASS
Band4	20MHz	16QAM	20050	1RB#0	4.91	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	5.81	13	PASS
Band4	20MHz	16QAM	20175	1RB#0	4.62	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.03	13	PASS
Band4	20MHz	16QAM	20300	1RB#0	5.47	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.16	13	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

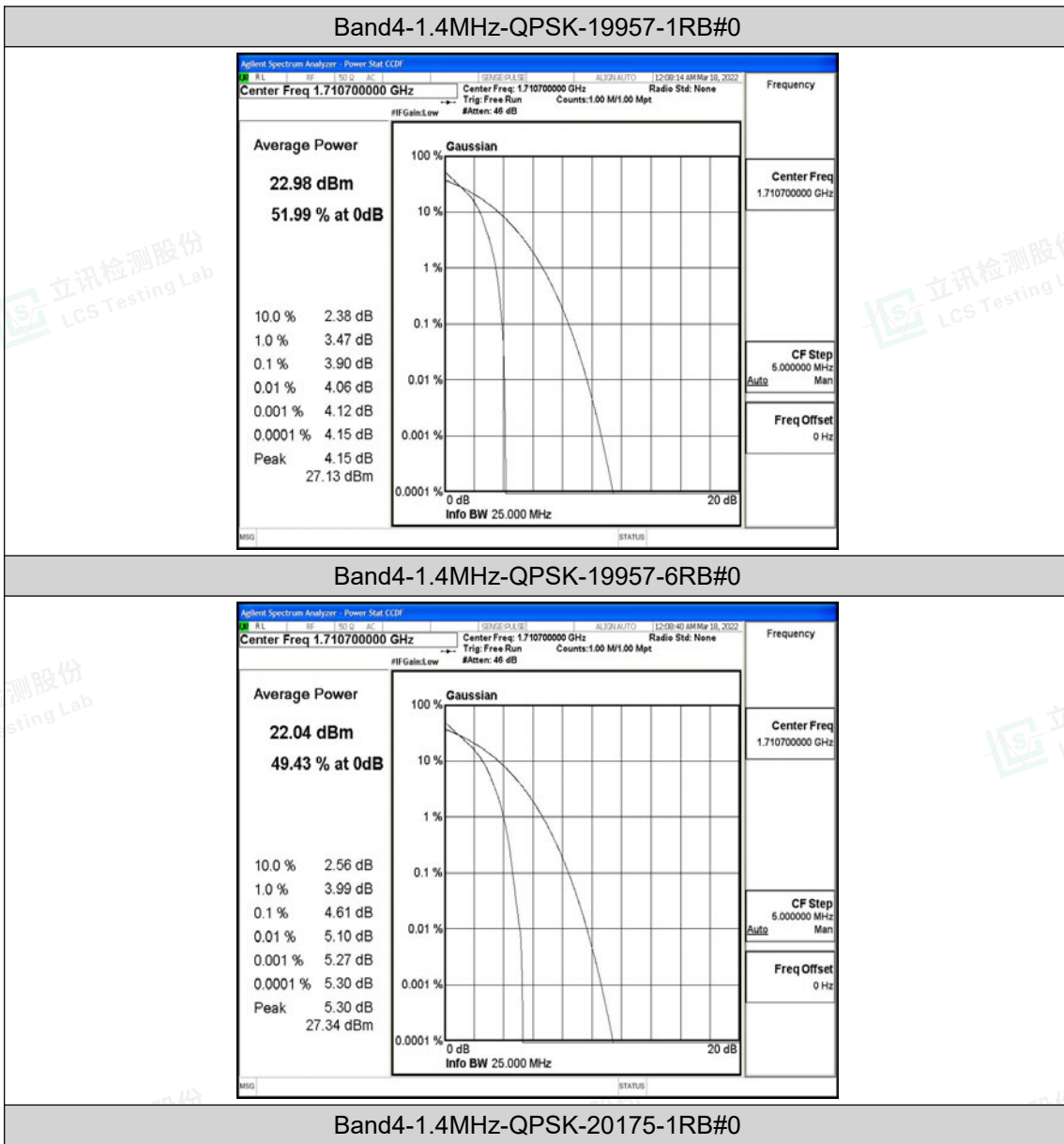
Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

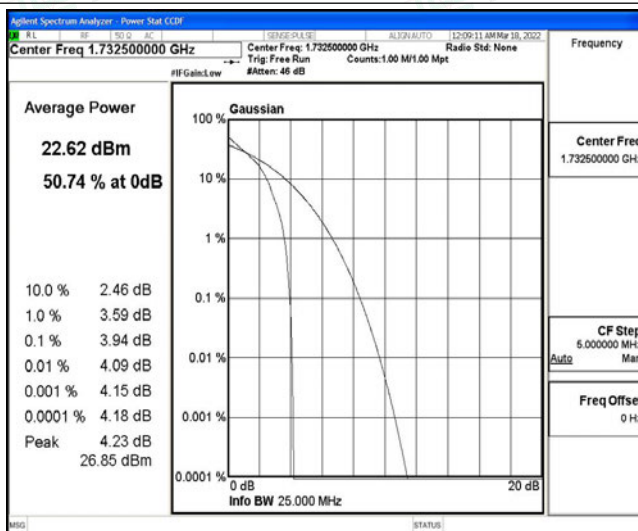
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

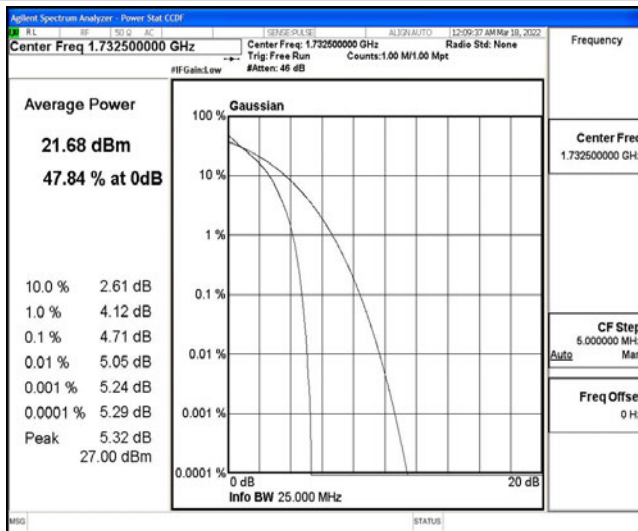


### Test Graphs

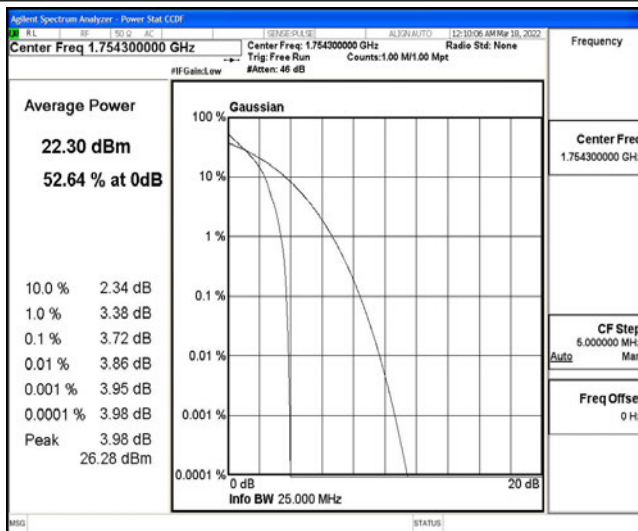




Band4-1.4MHz-QPSK-20175-6RB#0



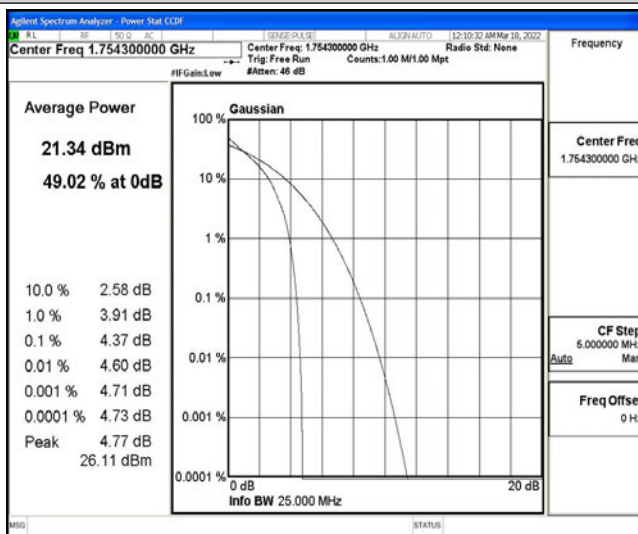
Band4-1.4MHz-QPSK-20393-1RB#0



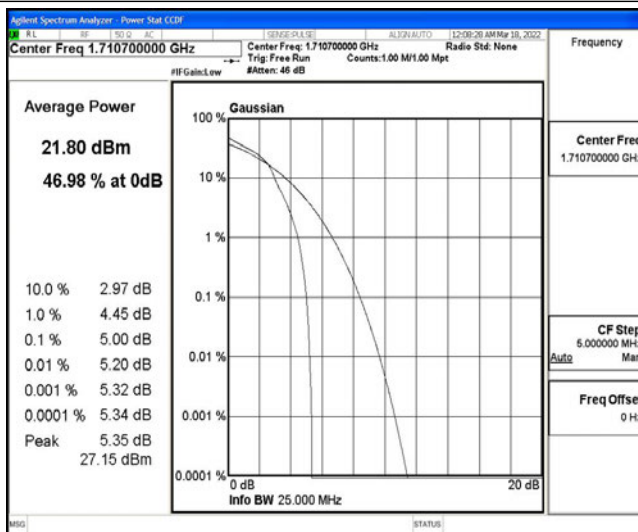




Band4-1.4MHz-QPSK-20393-6RB#0

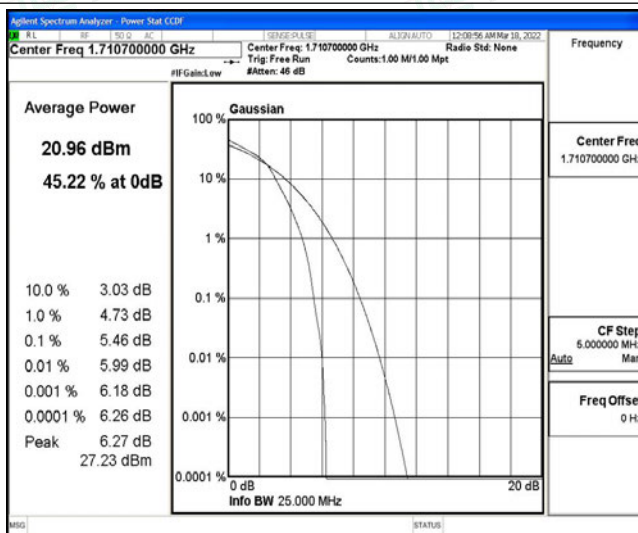


Band4-1.4MHz-16QAM-19957-1RB#0

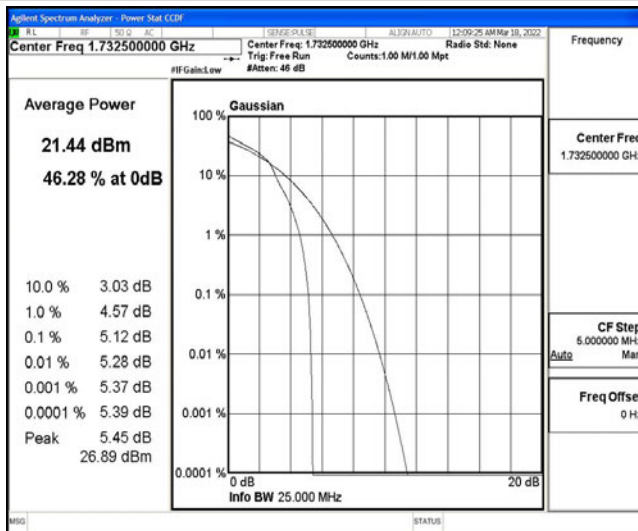


Band4-1.4MHz-16QAM-19957-6RB#0

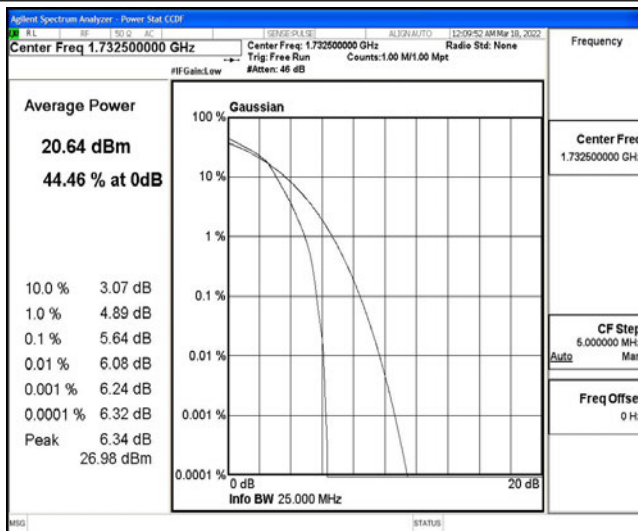




Band4-1.4MHz-16QAM-20175-1RB#0

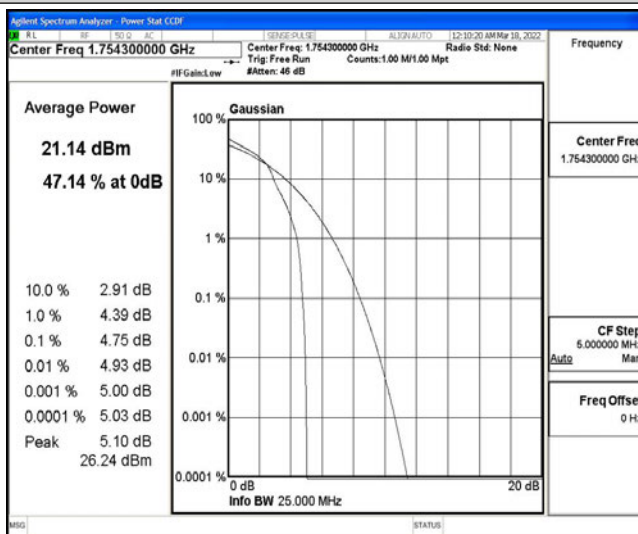


Band4-1.4MHz-16QAM-20175-6RB#0

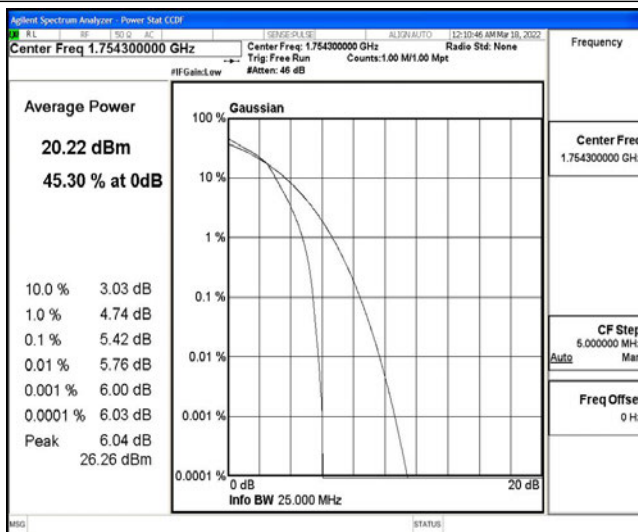




Band4-1.4MHz-16QAM-20393-1RB#0

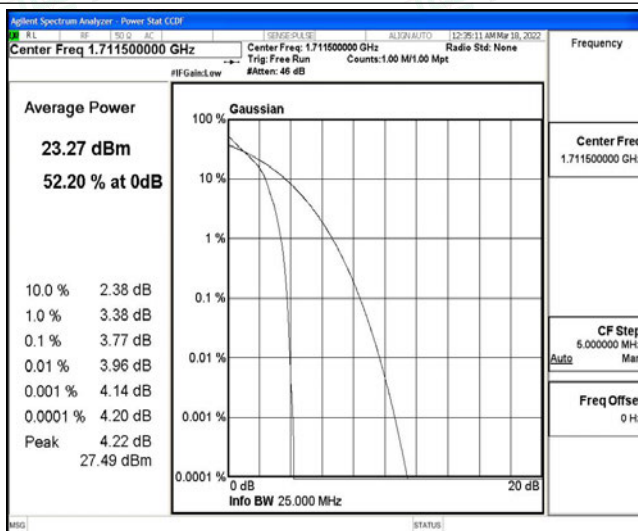


Band4-1.4MHz-16QAM-20393-6RB#0

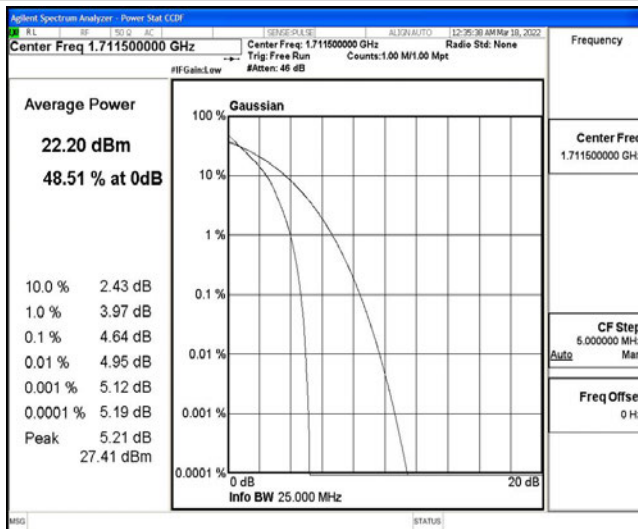


Band4-3MHz-QPSK-19965-1RB#0

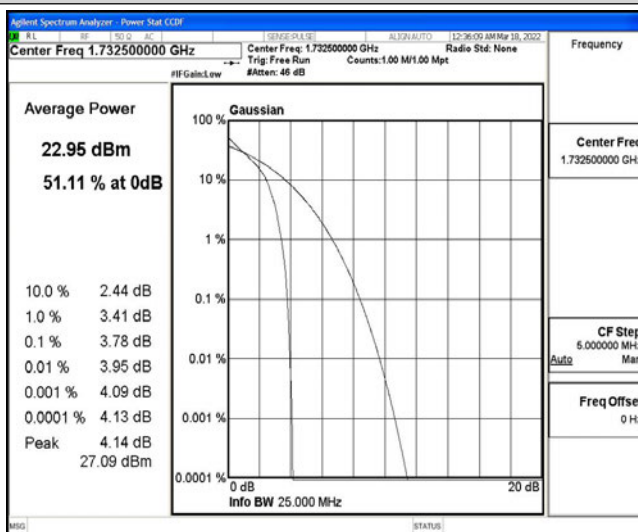




Band4-3MHz-QPSK-19965-15RB#0

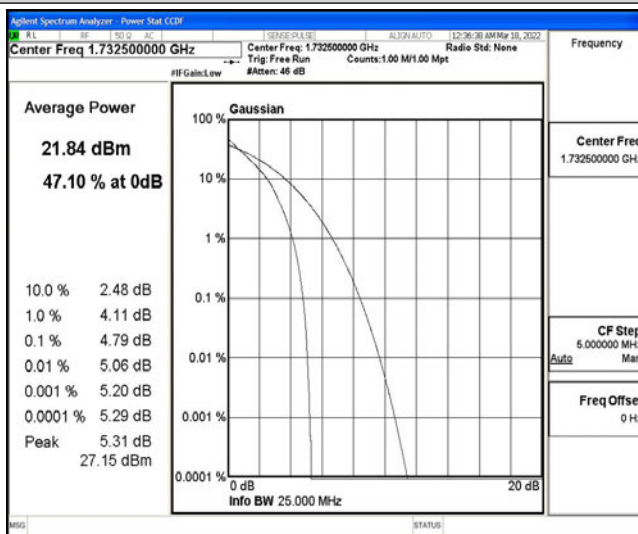


Band4-3MHz-QPSK-20175-1RB#0

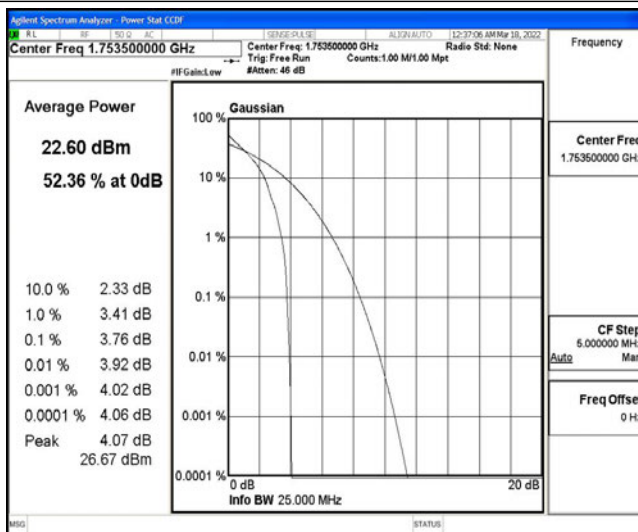




Band4-3MHz-QPSK-20175-15RB#0



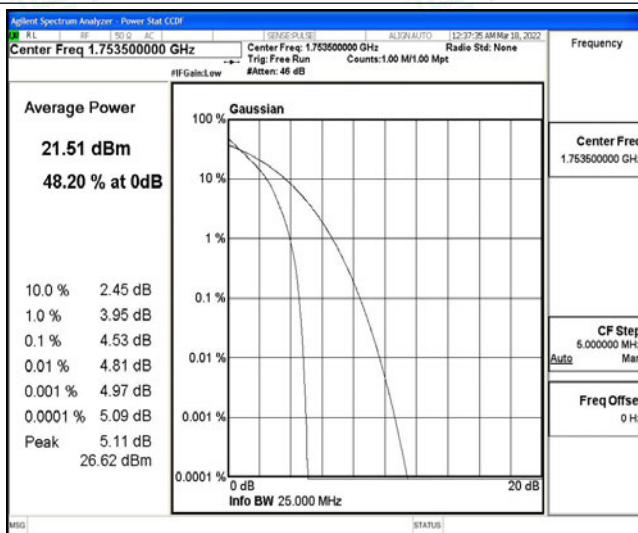
Band4-3MHz-QPSK-20385-1RB#0



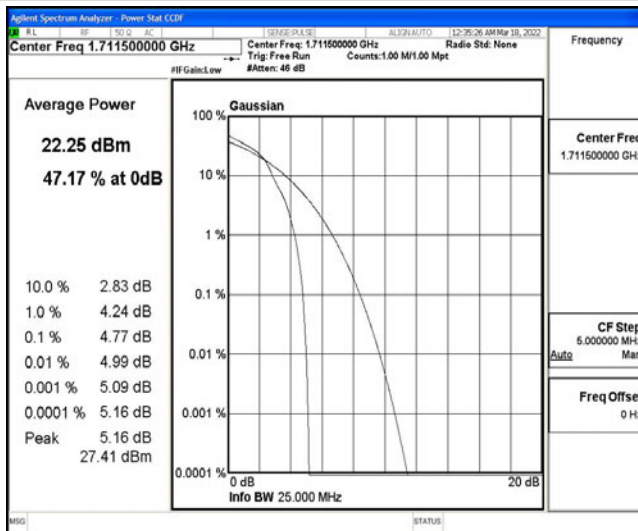
Band4-3MHz-QPSK-20385-15RB#0



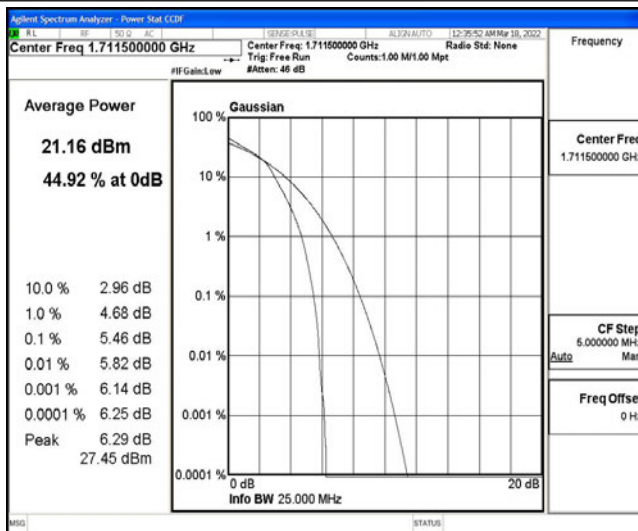




Band4-3MHz-16QAM-19965-1RB#0

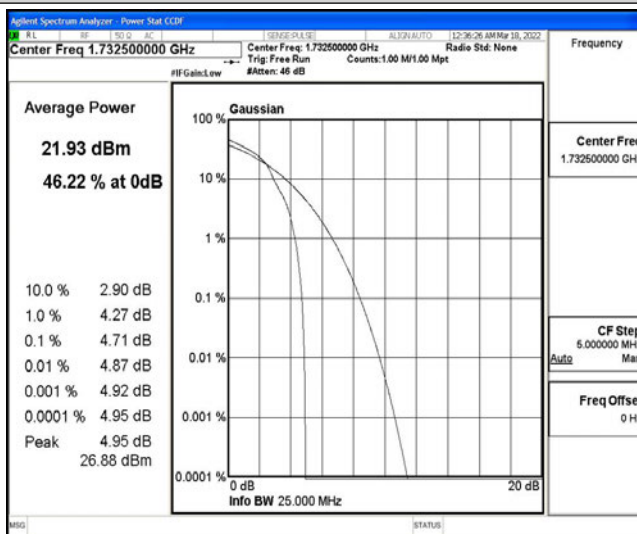


Band4-3MHz-16QAM-19965-15RB#0

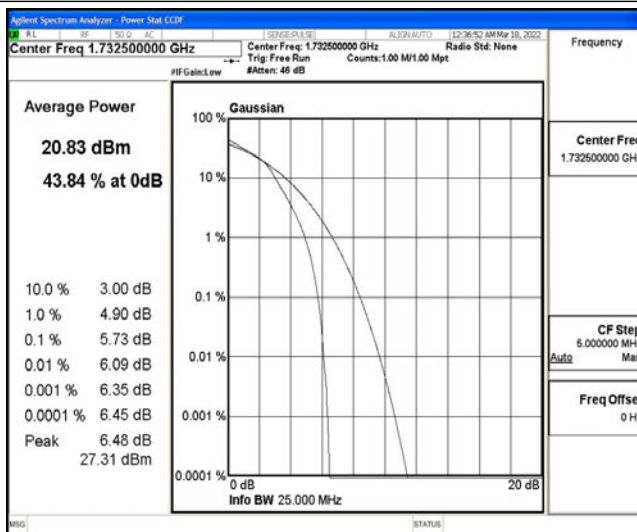




Band4-3MHz-16QAM-20175-1RB#0

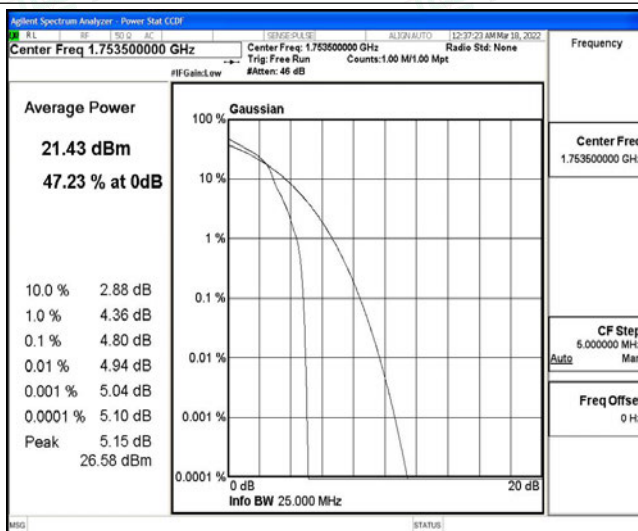


Band4-3MHz-16QAM-20175-15RB#0

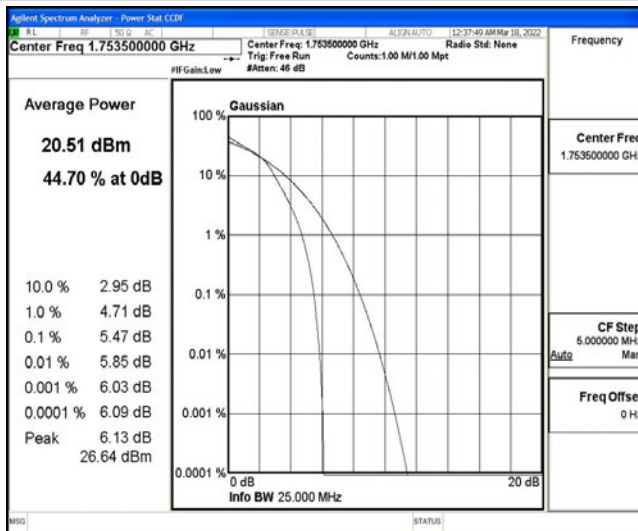


Band4-3MHz-16QAM-20385-1RB#0

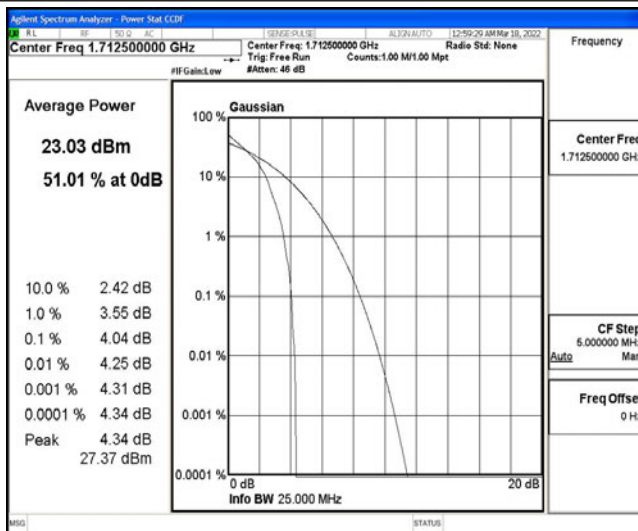




Band4-3MHz-16QAM-20385-15RB#0

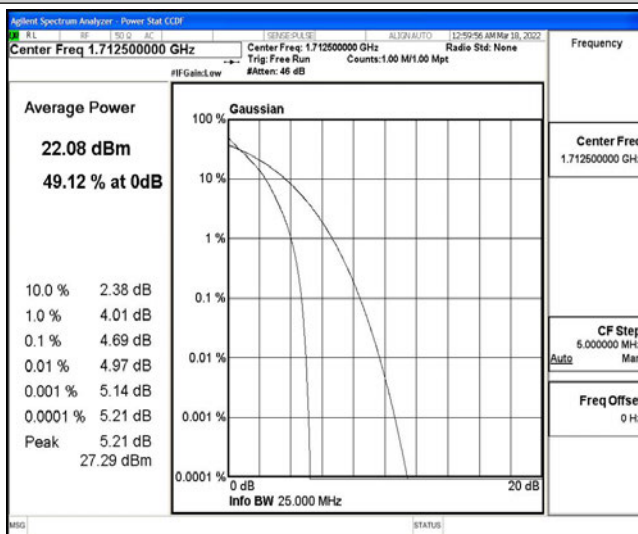


Band4-5MHz-QPSK-19975-1RB#0

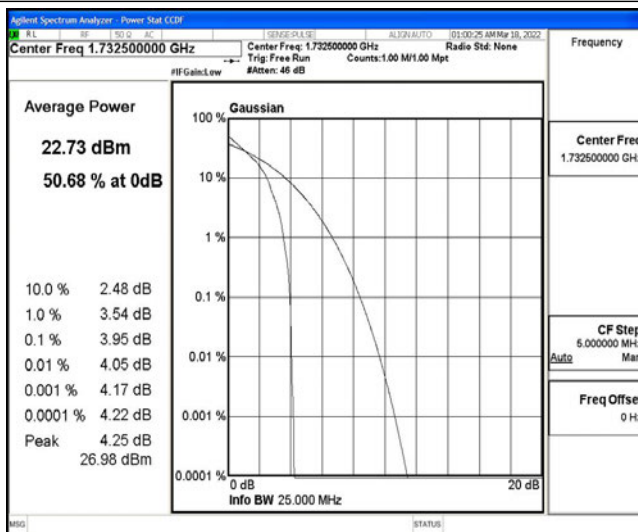




Band4-5MHz-QPSK-19975-25RB#0

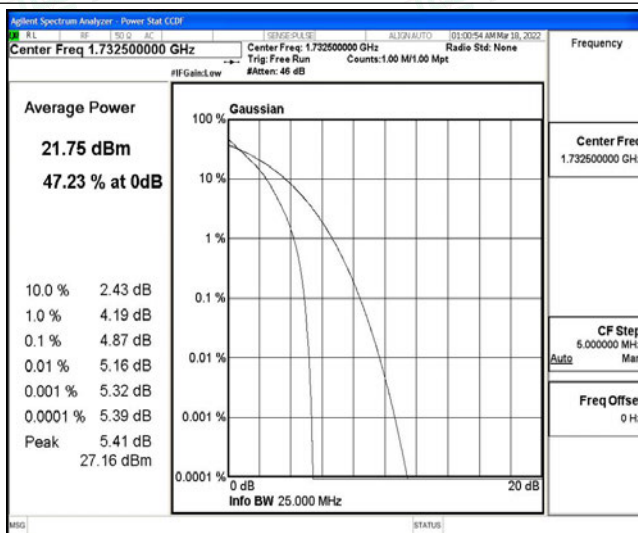


Band4-5MHz-QPSK-20175-1RB#0

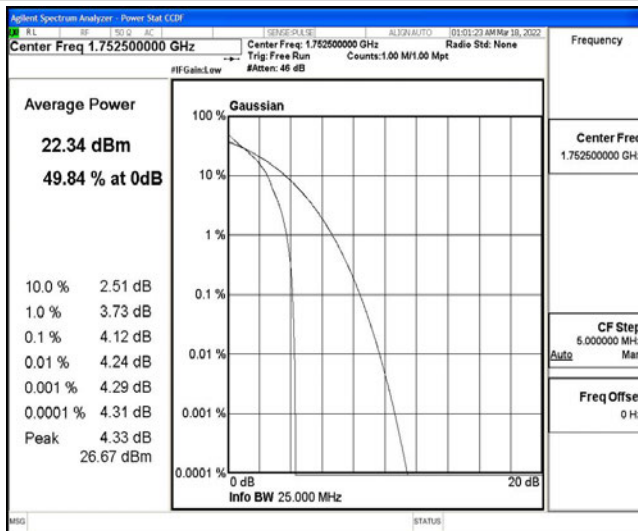


Band4-5MHz-QPSK-20175-25RB#0

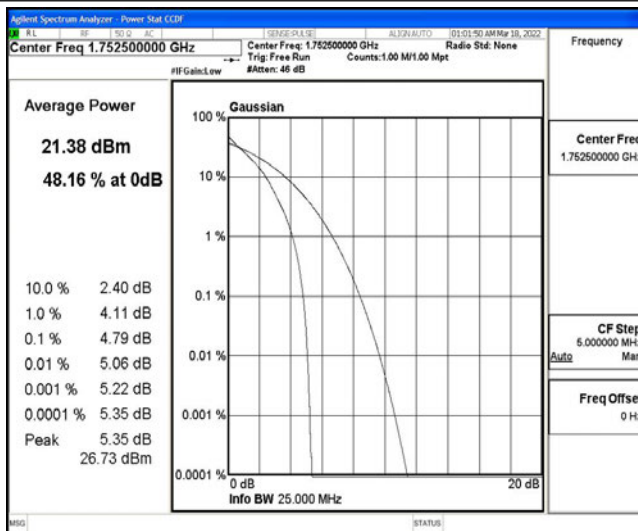




Band4-5MHz-QPSK-20375-1RB#0



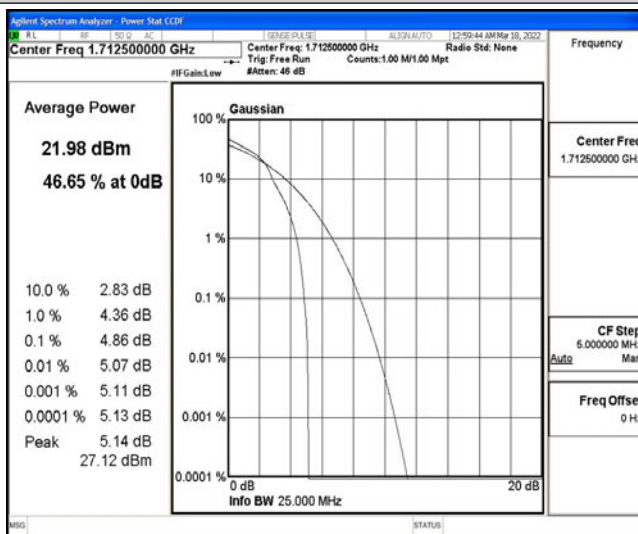
Band4-5MHz-QPSK-20375-25RB#0



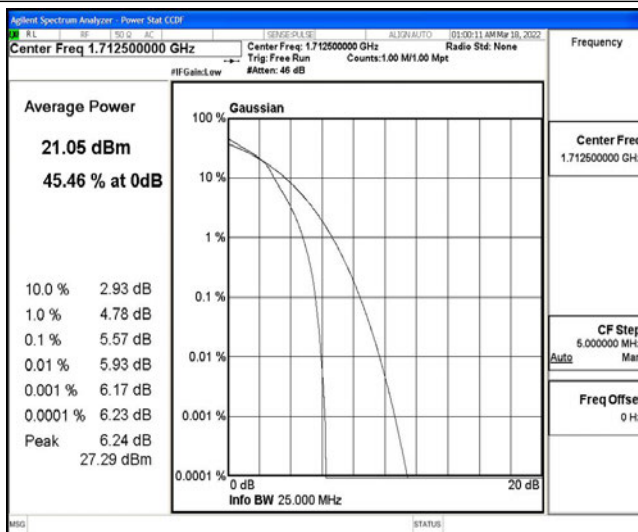




Band4-5MHz-16QAM-19975-1RB#0

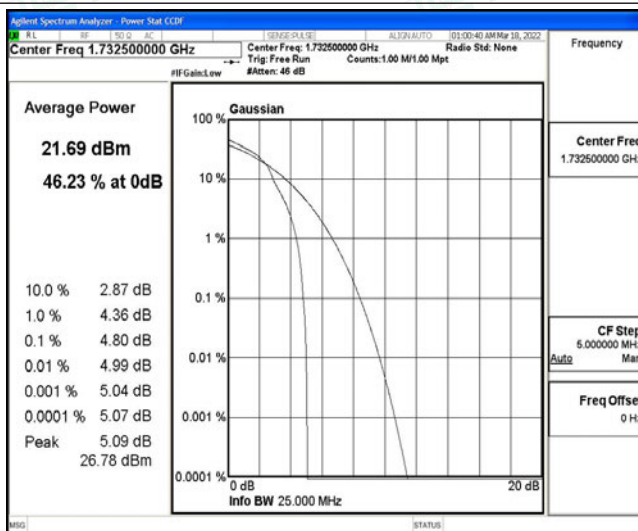


Band4-5MHz-16QAM-19975-25RB#0

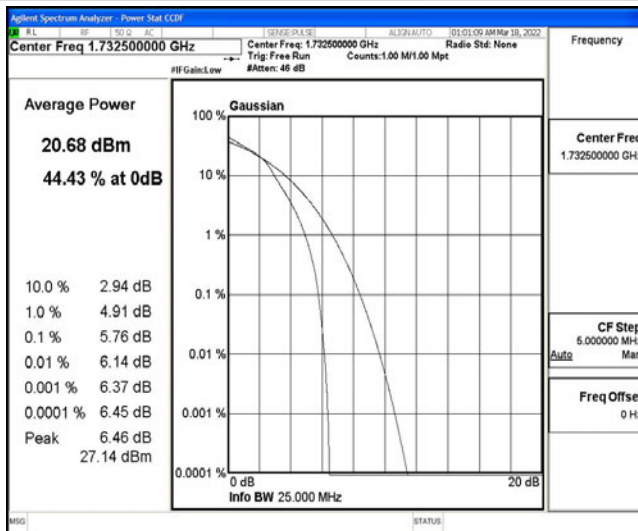


Band4-5MHz-16QAM-20175-1RB#0

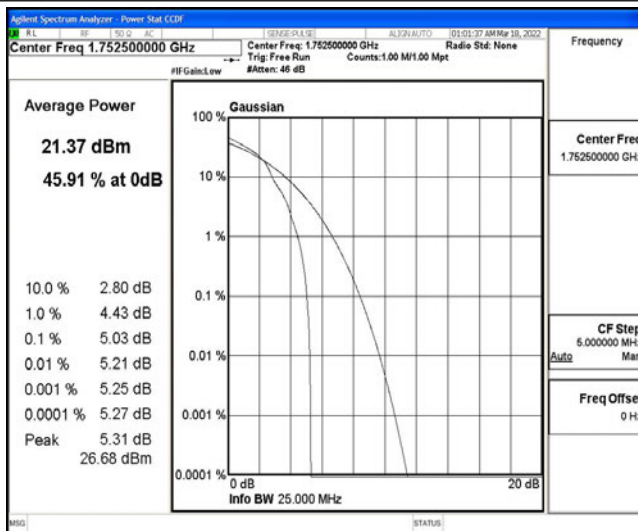




Band4-5MHz-16QAM-20175-25RB#0

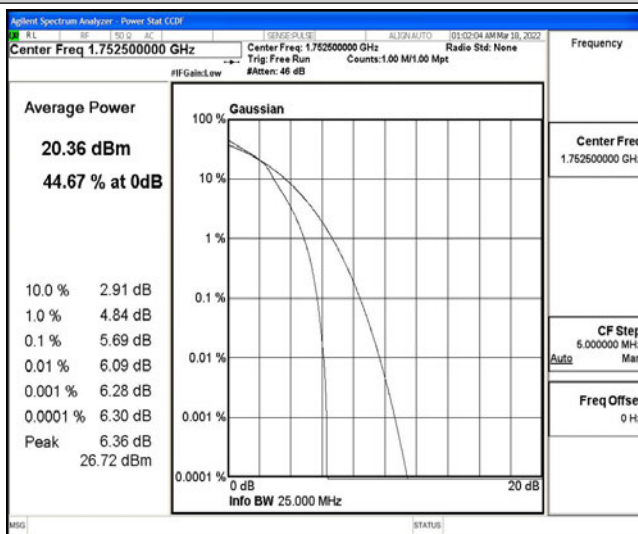


Band4-5MHz-16QAM-20375-1RB#0

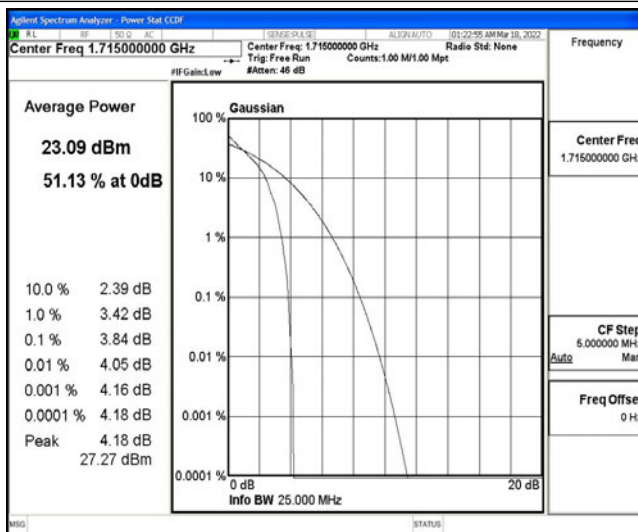




Band4-5MHz-16QAM-20375-25RB#0

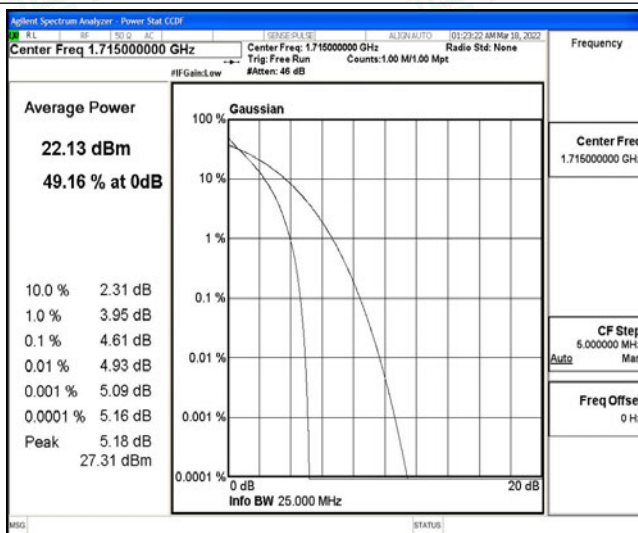


Band4-10MHz-QPSK-20000-1RB#0

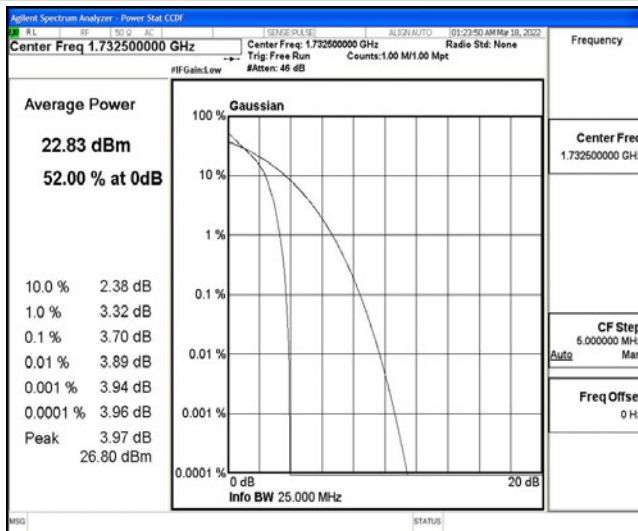


Band4-10MHz-QPSK-20000-50RB#0

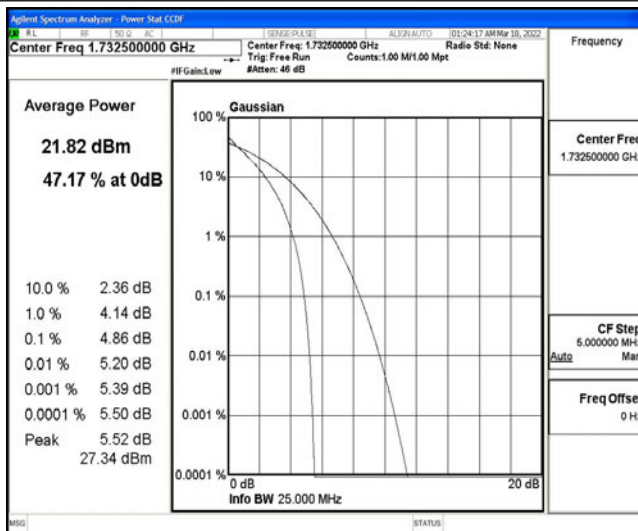




Band4-10MHz-QPSK-20175-1RB#0

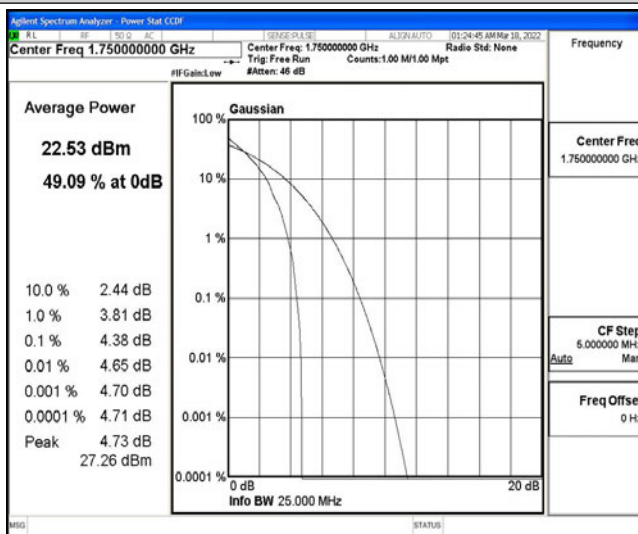


Band4-10MHz-QPSK-20175-50RB#0

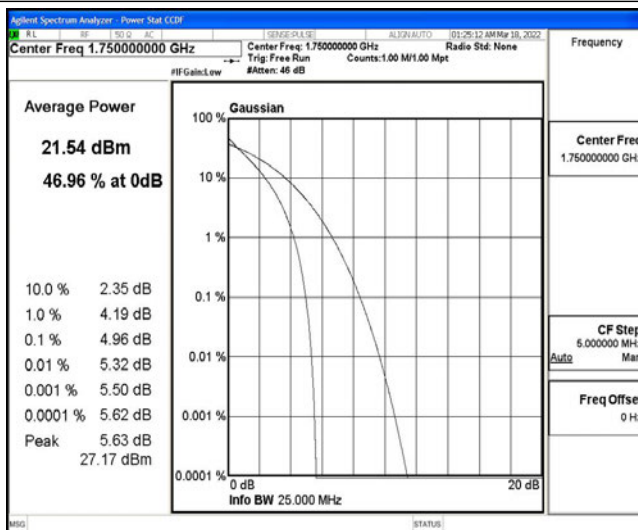




Band4-10MHz-QPSK-20350-1RB#0



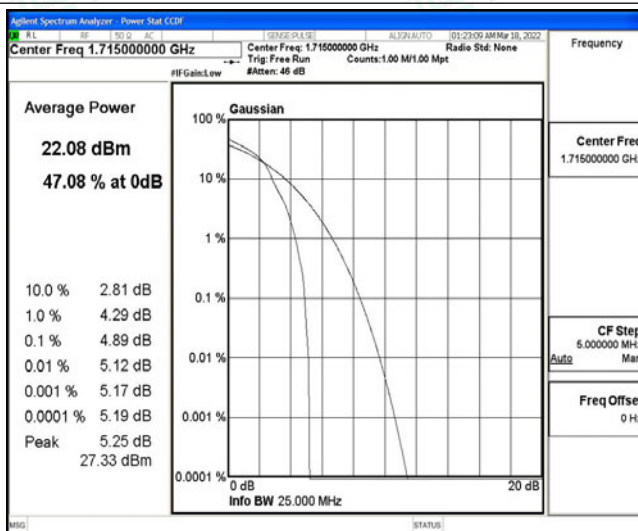
Band4-10MHz-QPSK-20350-50RB#0



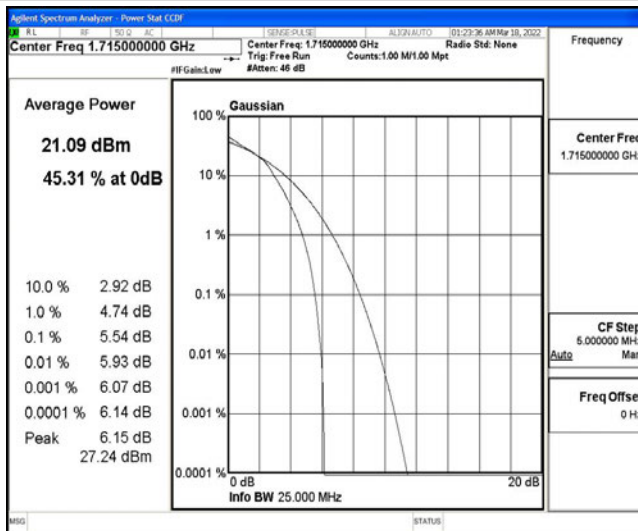
Band4-10MHz-16QAM-20000-1RB#0



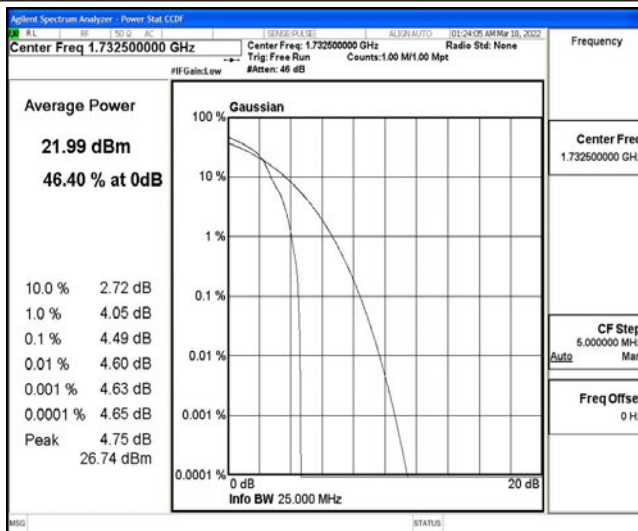




Band4-10MHz-16QAM-20000-50RB#0

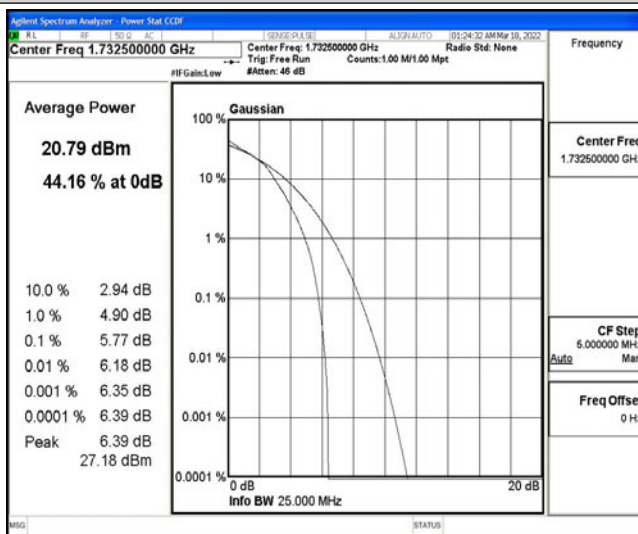


Band4-10MHz-16QAM-20175-1RB#0

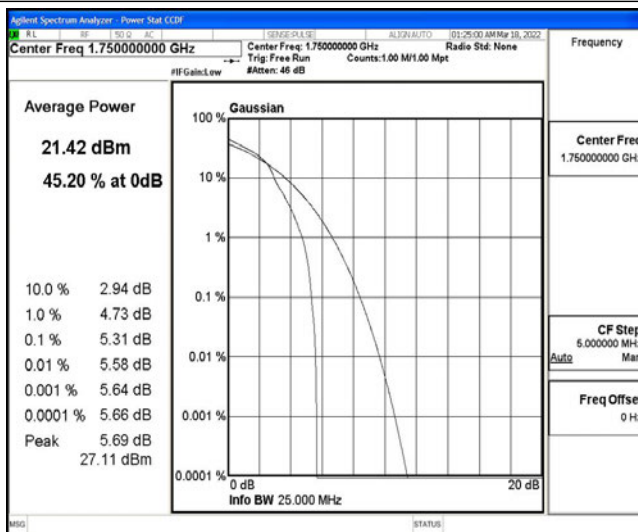




Band4-10MHz-16QAM-20175-50RB#0

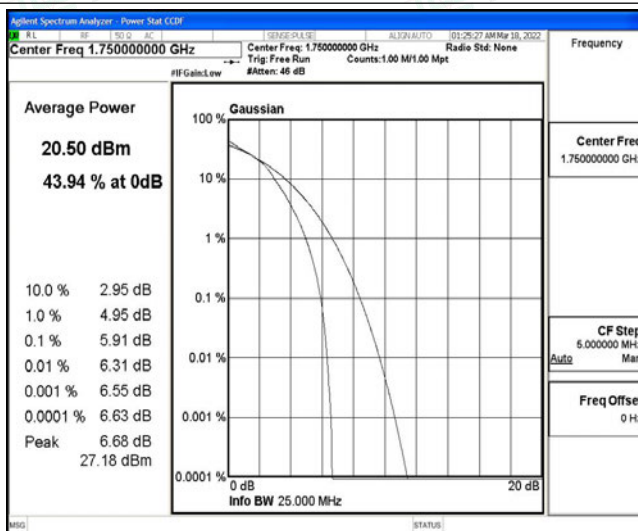


Band4-10MHz-16QAM-20350-1RB#0

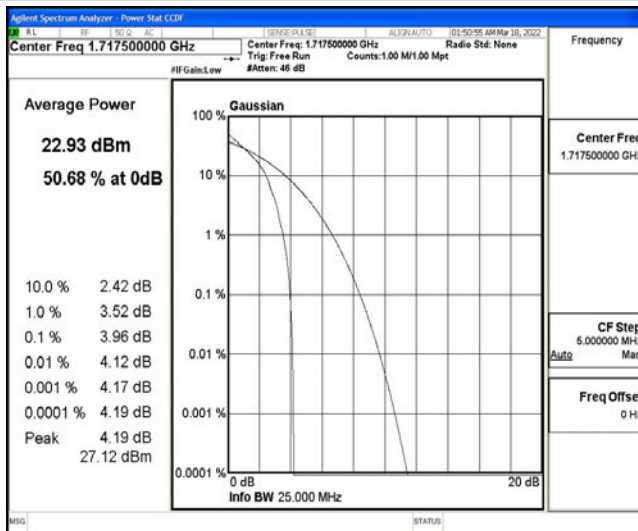


Band4-10MHz-16QAM-20350-50RB#0

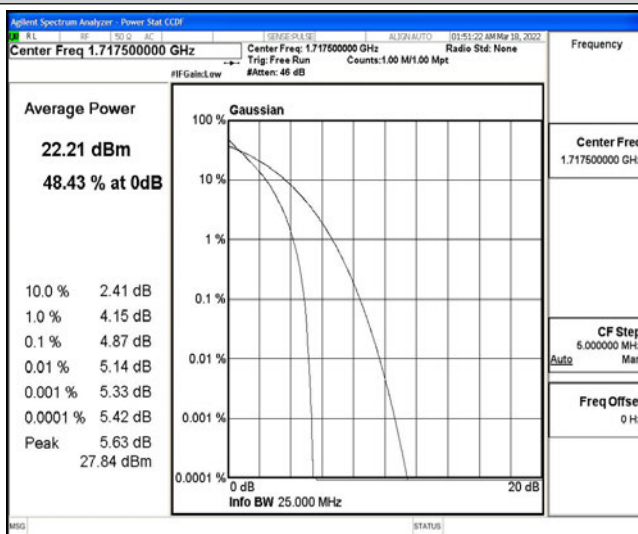




Band4-15MHz-QPSK-20025-1RB#0

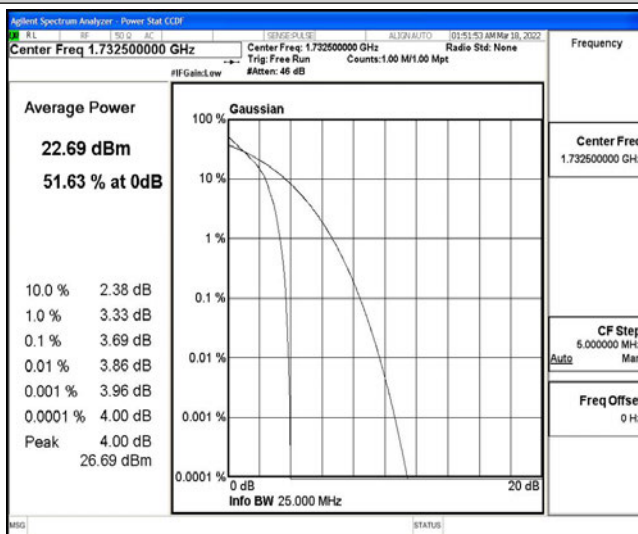


Band4-15MHz-QPSK-20025-75RB#0

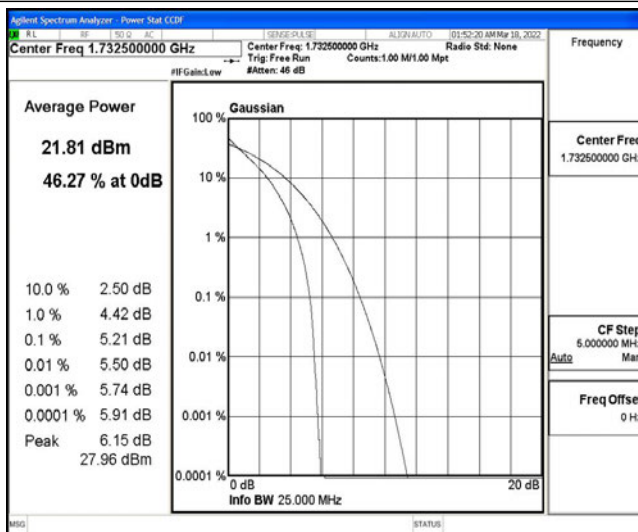




Band4-15MHz-QPSK-20175-1RB#0

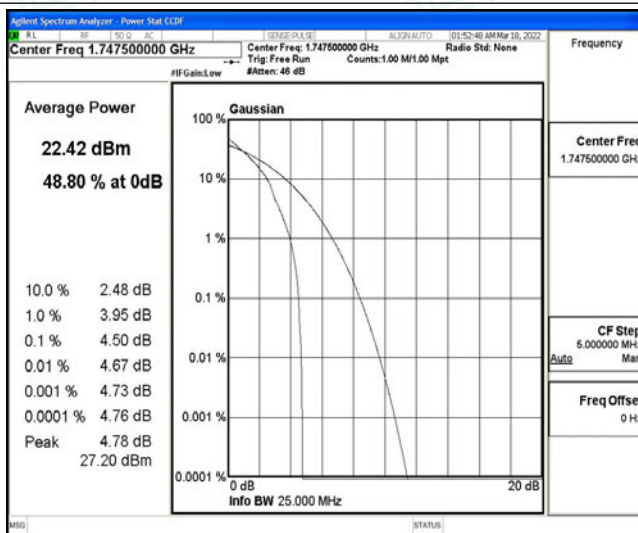


Band4-15MHz-QPSK-20175-75RB#0

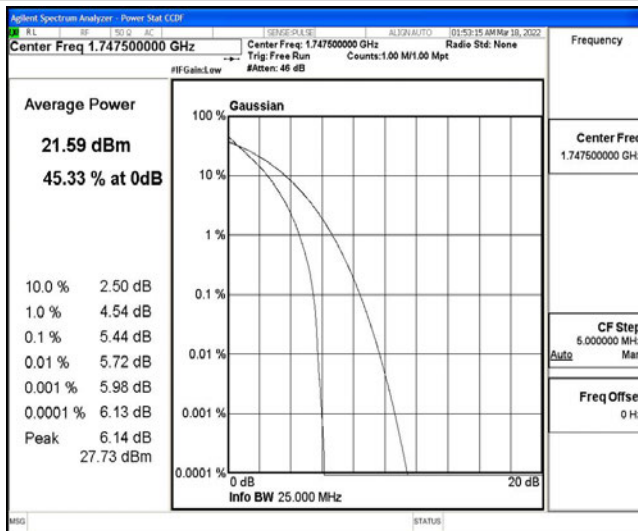


Band4-15MHz-QPSK-20325-1RB#0

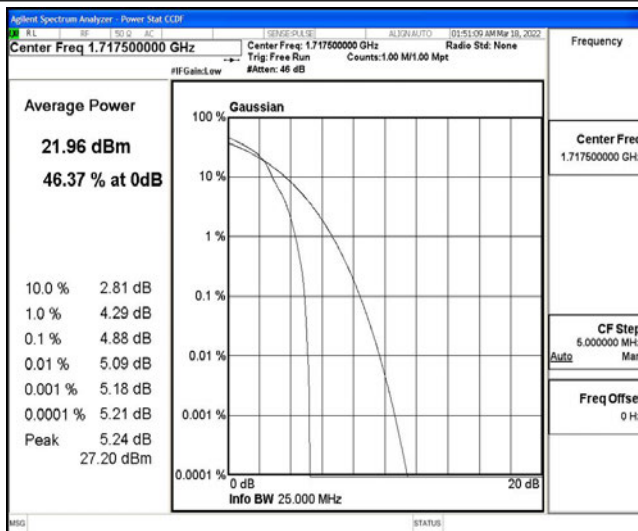




Band4-15MHz-QPSK-20325-75RB#0



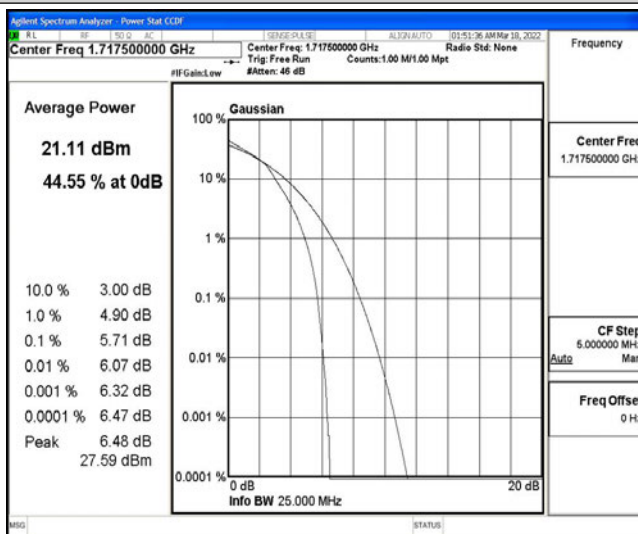
Band4-15MHz-16QAM-20025-1RB#0



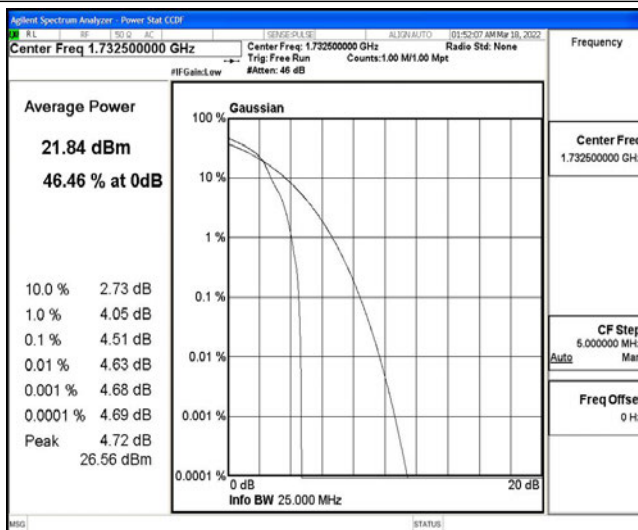




Band4-15MHz-16QAM-20025-75RB#0

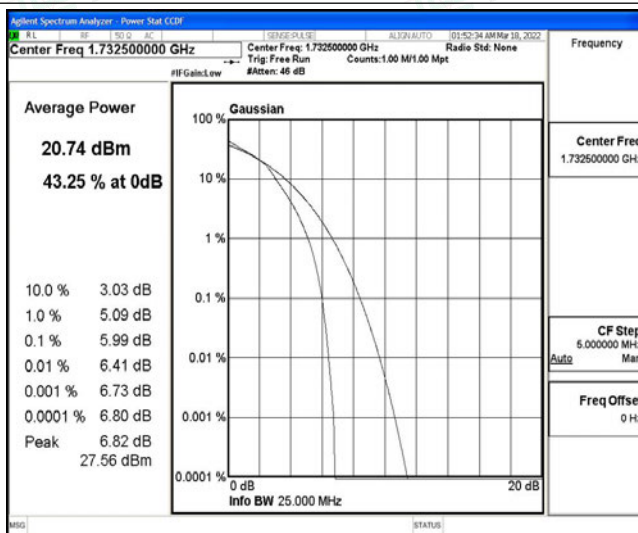


Band4-15MHz-16QAM-20175-1RB#0

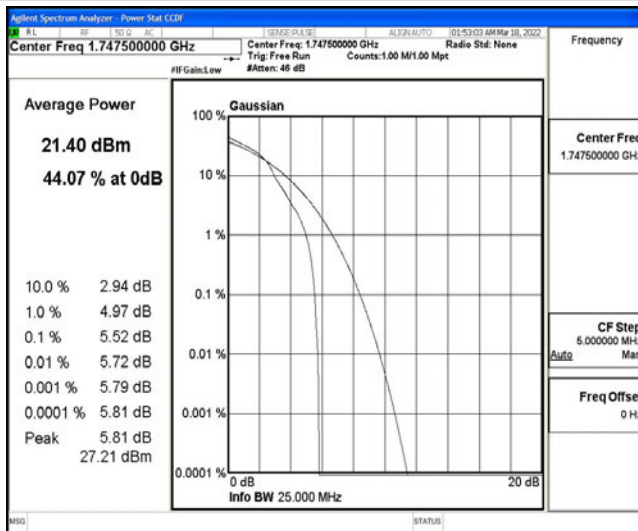


Band4-15MHz-16QAM-20175-75RB#0

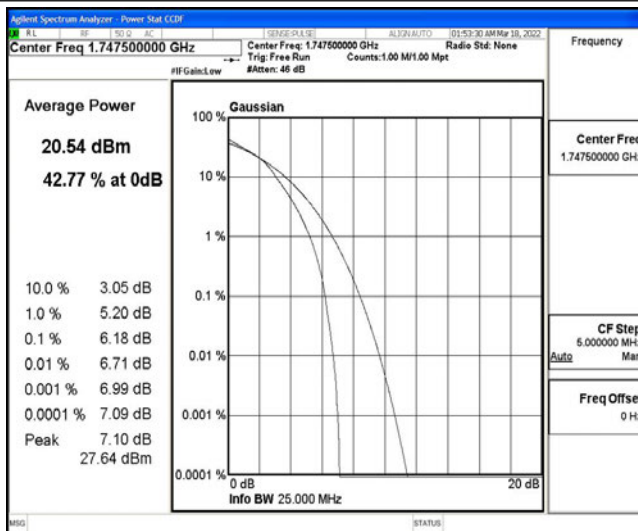




Band4-15MHz-16QAM-20325-1RB#0

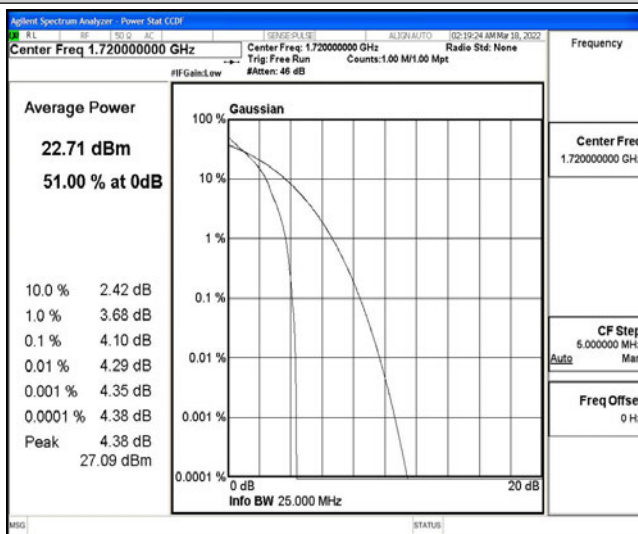


Band4-15MHz-16QAM-20325-75RB#0

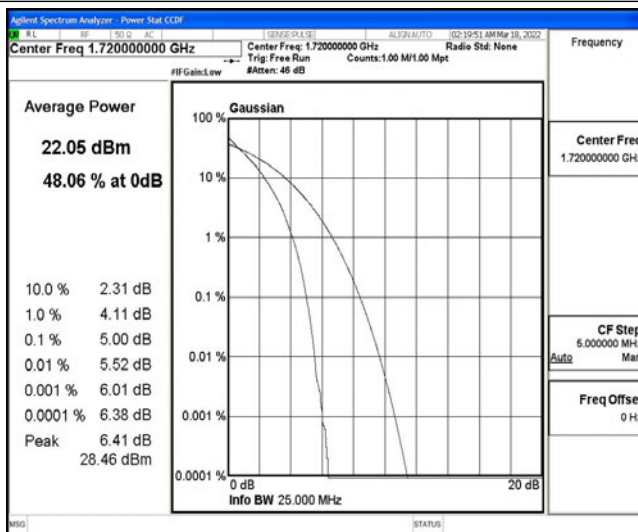




Band4-20MHz-QPSK-20050-1RB#0

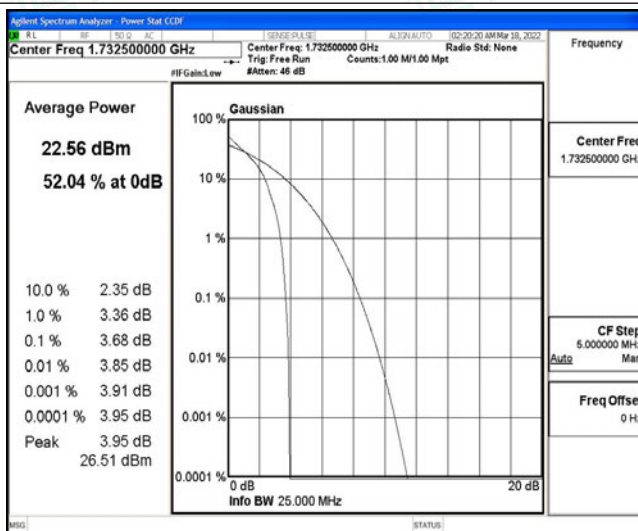


Band4-20MHz-QPSK-20050-100RB#0

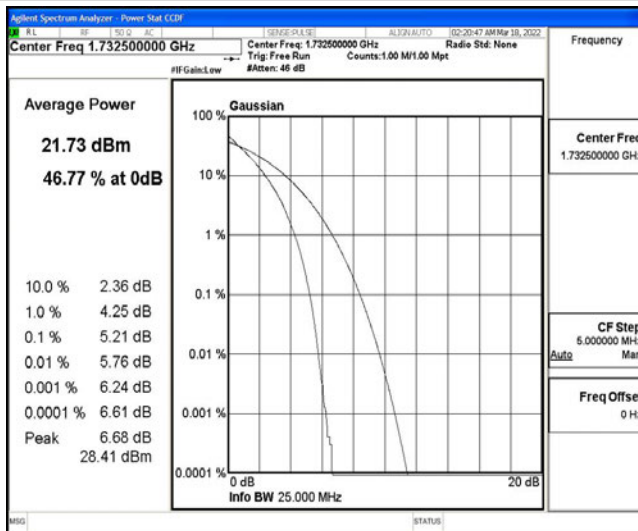


Band4-20MHz-QPSK-20175-1RB#0

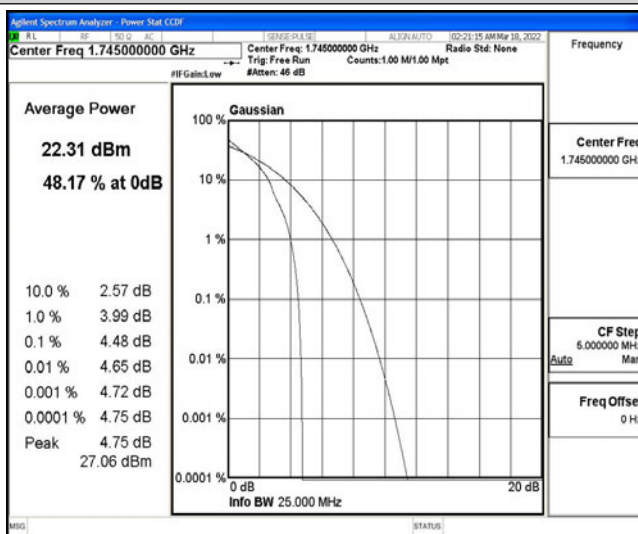




Band4-20MHz-QPSK-20175-100RB#0

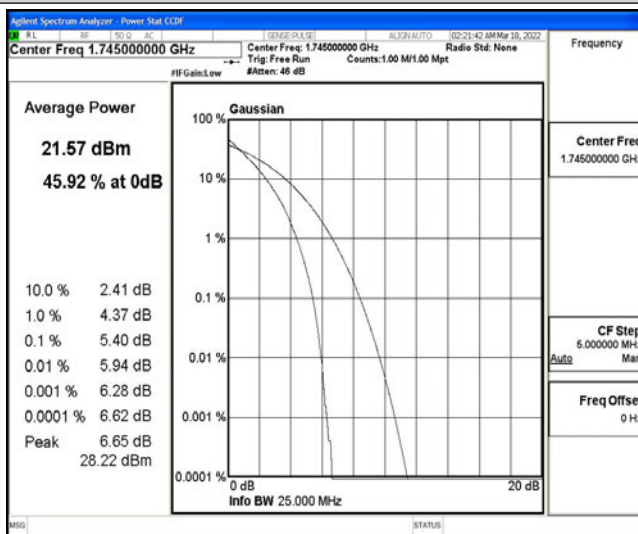


Band4-20MHz-QPSK-20300-1RB#0

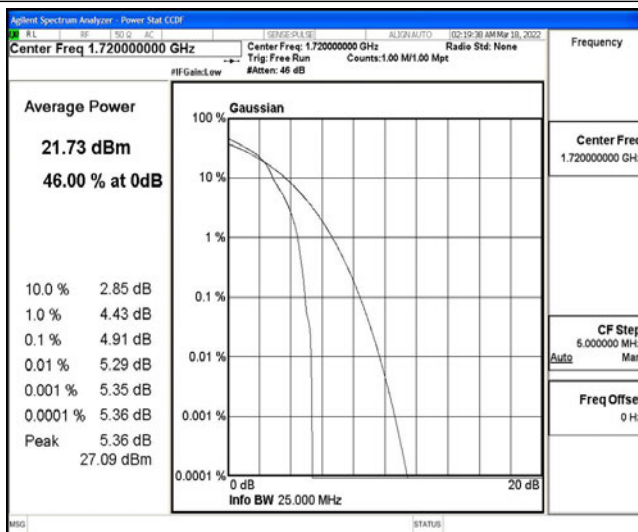




Band4-20MHz-QPSK-20300-100RB#0



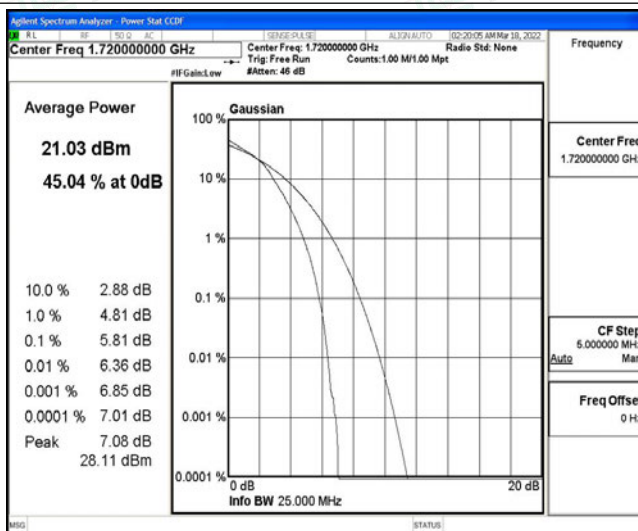
Band4-20MHz-16QAM-20050-1RB#0



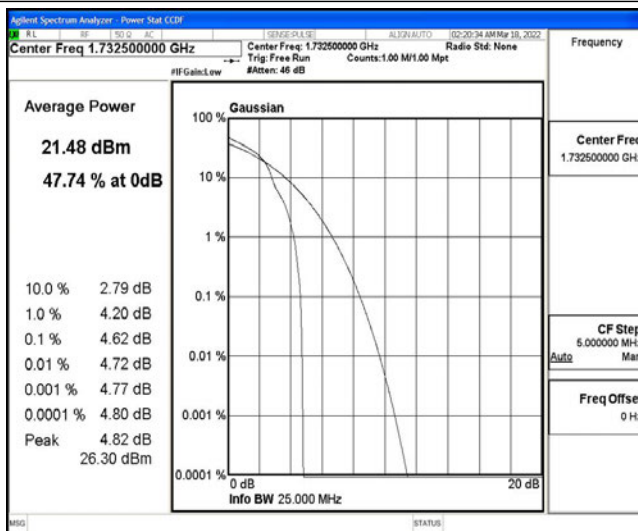
Band4-20MHz-16QAM-20050-100RB#0



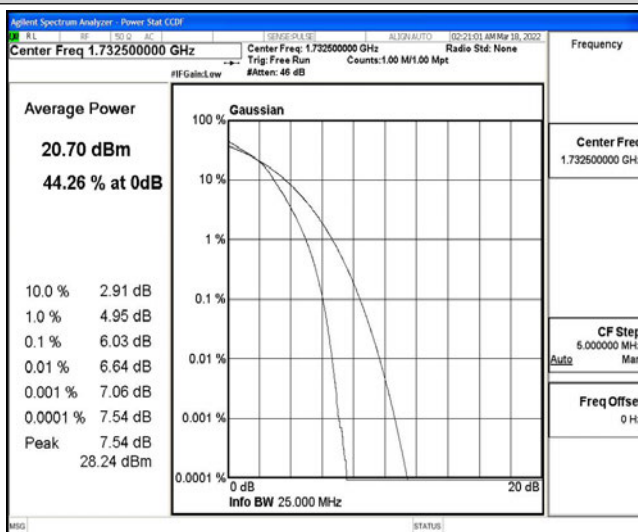




Band4-20MHz-16QAM-20175-1RB#0

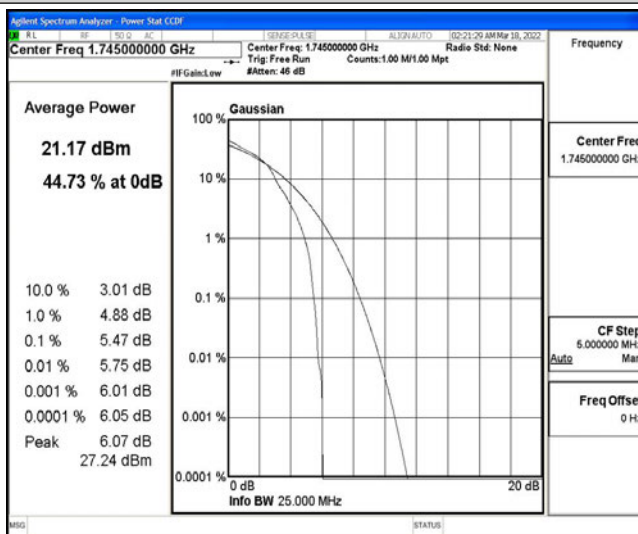


Band4-20MHz-16QAM-20175-100RB#0

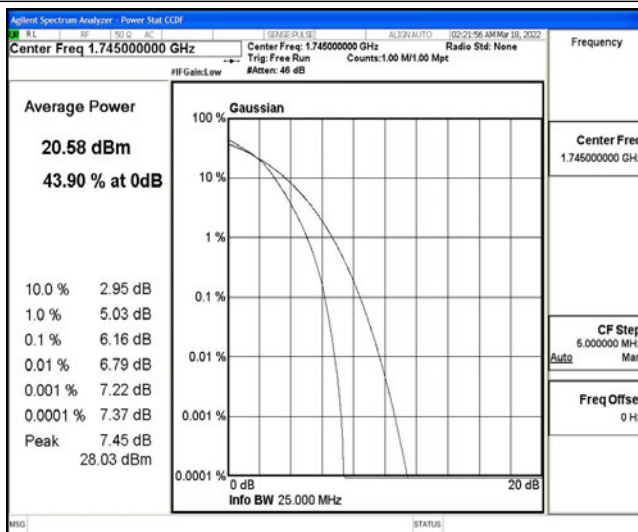




Band4-20MHz-16QAM-20300-1RB#0



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





## E.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	1.0939	1.280	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0897	1.289	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0903	1.282	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0938	1.279	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0965	1.297	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0896	1.273	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6849	2.872	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6873	2.915	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6866	2.902	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6803	2.886	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6802	2.879	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6822	2.896	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5232	5.202	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5225	5.202	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5154	5.196	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5235	5.187	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5223	5.117	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5281	5.199	PASS
Band4	10MHz	QPSK	20000	50RB#0	9.0142	10.20	PASS
Band4	10MHz	QPSK	20175	50RB#0	9.0037	10.18	PASS
Band4	10MHz	QPSK	20350	50RB#0	9.0144	10.13	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9919	10.02	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9976	9.989	PASS
Band4	10MHz	16QAM	20350	50RB#0	9.0060	10.05	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.532	15.02	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.529	15.07	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.494	15.22	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.546	17.32	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.505	15.07	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.522	15.05	PASS
Band4	20MHz	QPSK	20050	100RB#0	18.004	20.02	PASS
Band4	20MHz	QPSK	20175	100RB#0	18.001	19.73	PASS
Band4	20MHz	QPSK	20300	100RB#0	18.037	19.95	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A &amp; 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

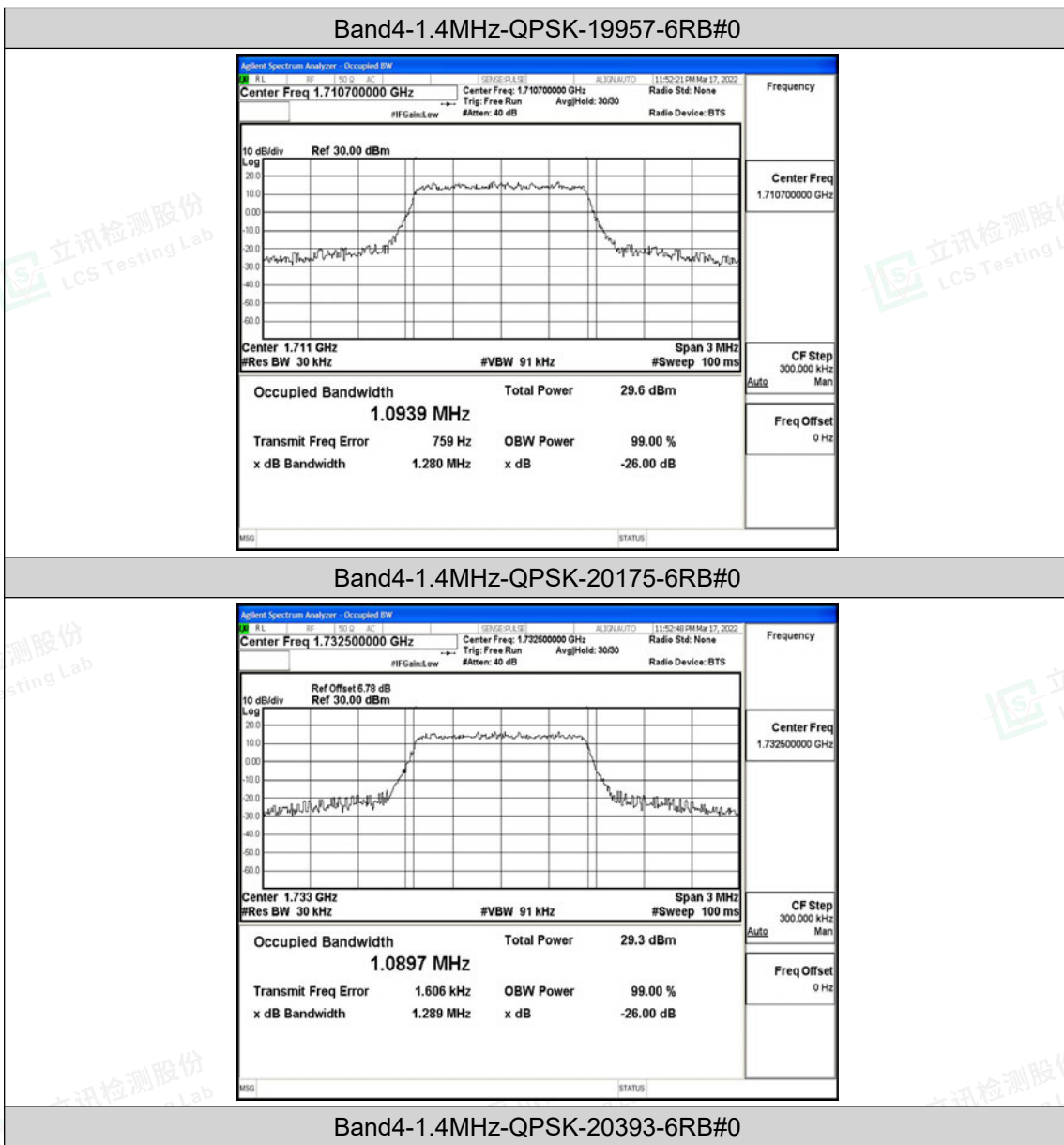


Band4	20MHz	16QAM	20050	100RB#0	18.026	19.88	PASS
Band4	20MHz	16QAM	20175	100RB#0	18.014	19.76	PASS
Band4	20MHz	16QAM	20300	100RB#0	18.008	19.67	PASS

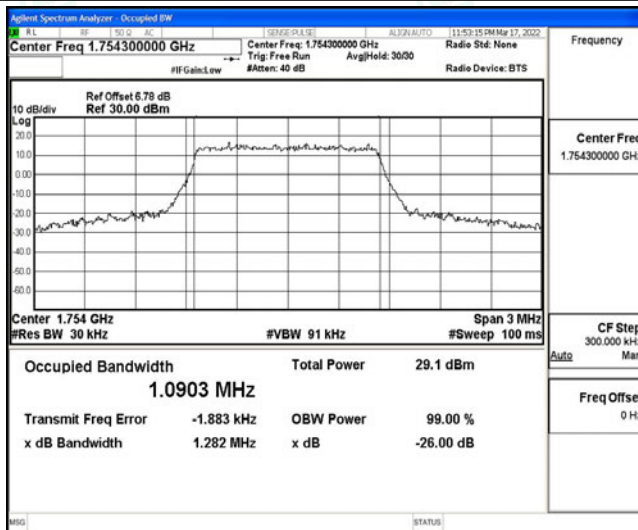




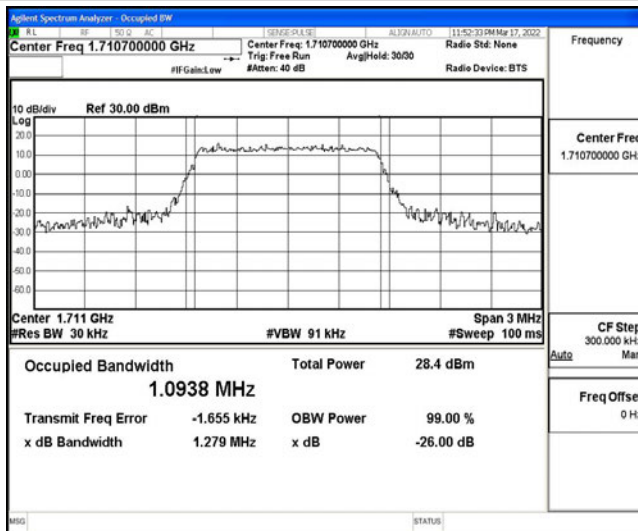
### Test Graphs



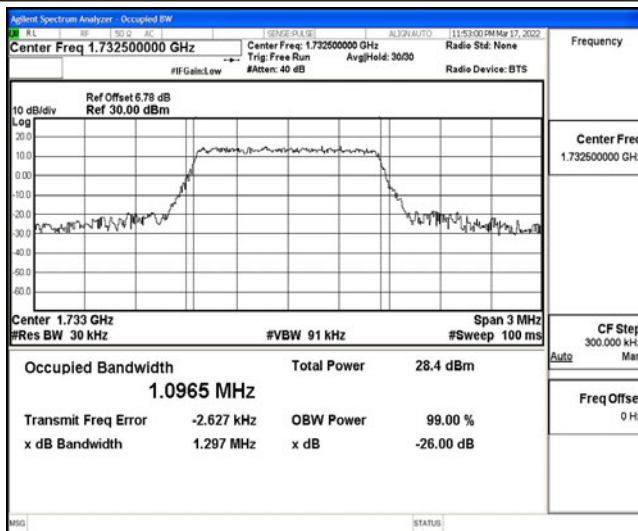




Band4-1.4MHz-16QAM-19957-6RB#0

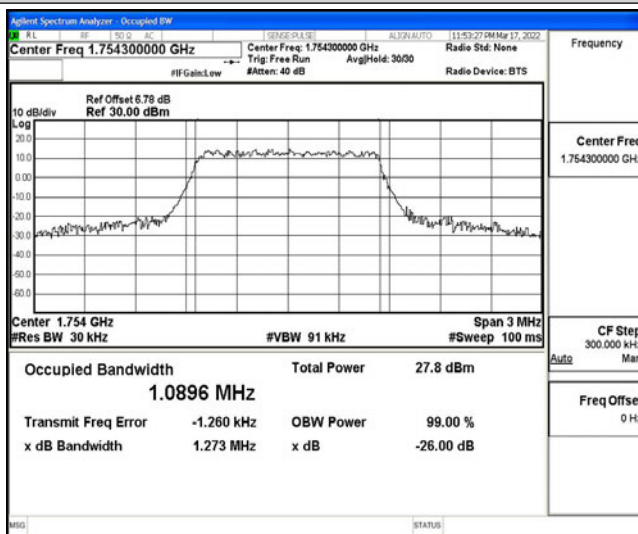


Band4-1.4MHz-16QAM-20175-6RB#0

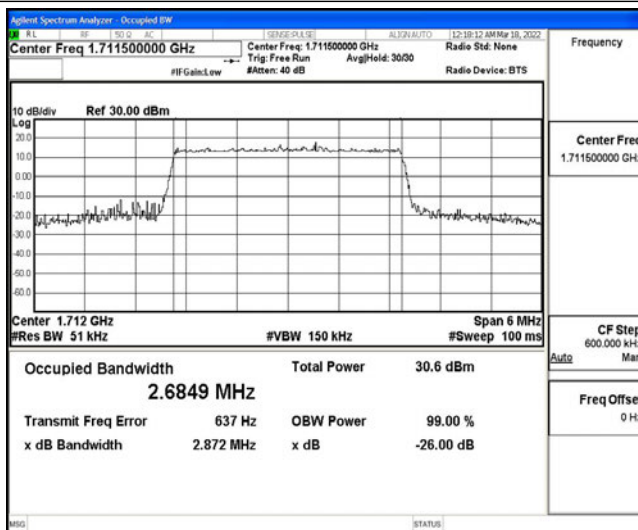




Band4-1.4MHz-16QAM-20393-6RB#0

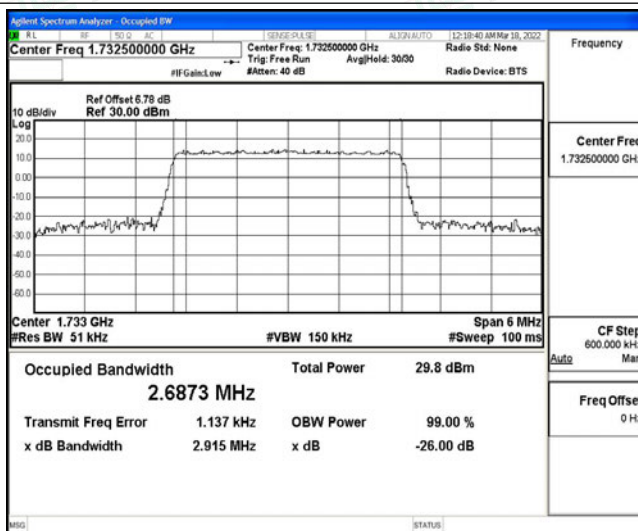


Band4-3MHz-QPSK-19965-15RB#0

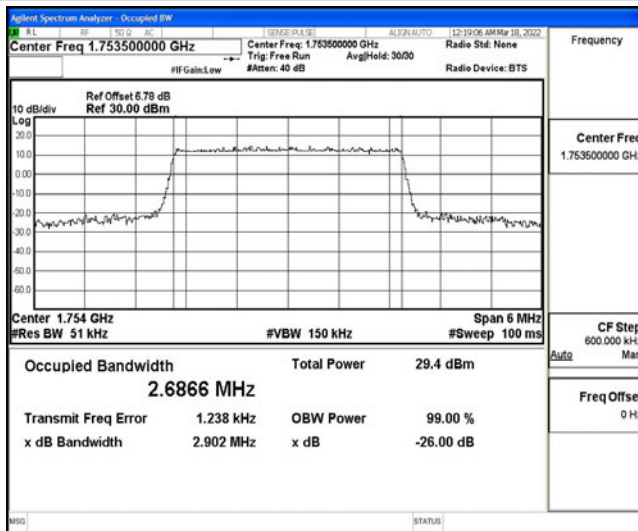


Band4-3MHz-QPSK-20175-15RB#0

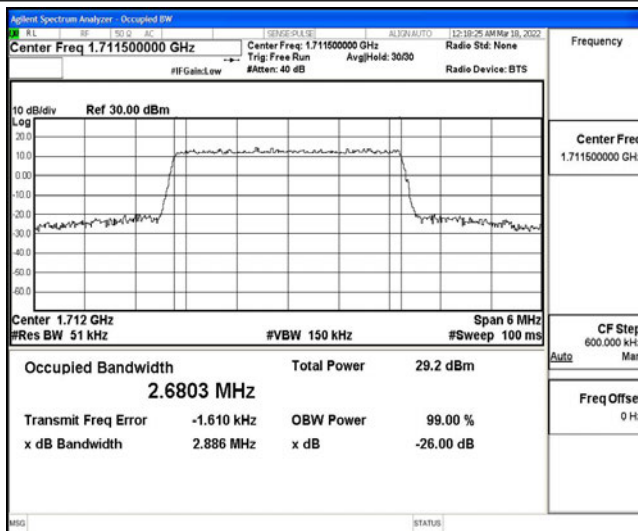




Band4-3MHz-QPSK-20385-15RB#0

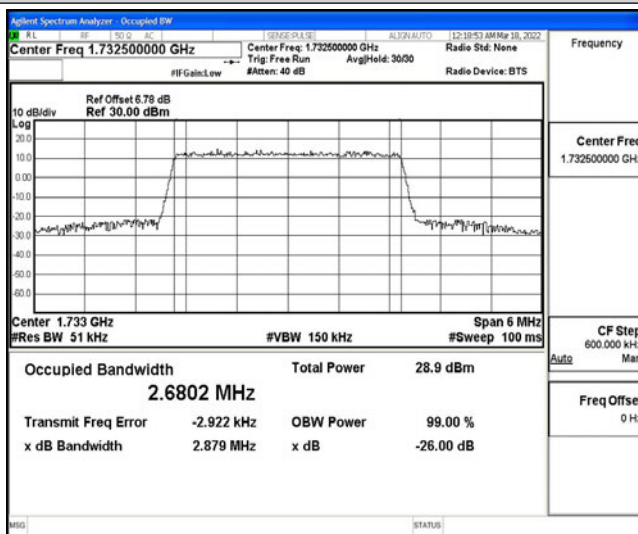


Band4-3MHz-16QAM-19965-15RB#0

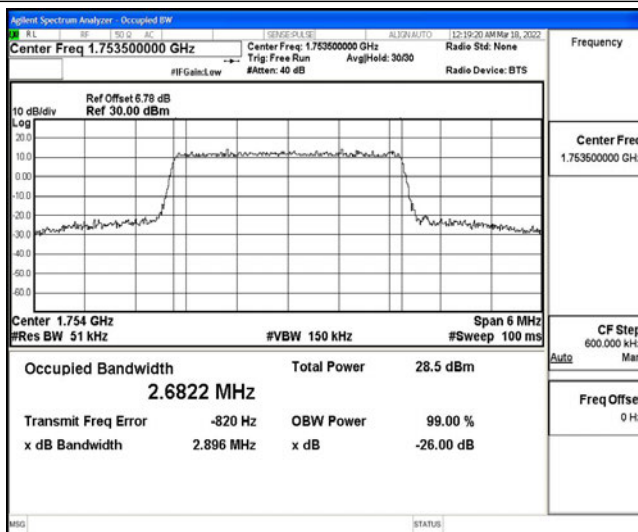




Band4-3MHz-16QAM-20175-15RB#0

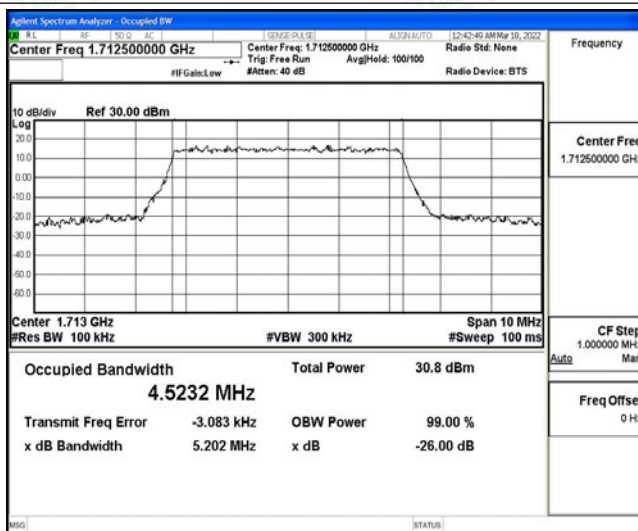


Band4-3MHz-16QAM-20385-15RB#0

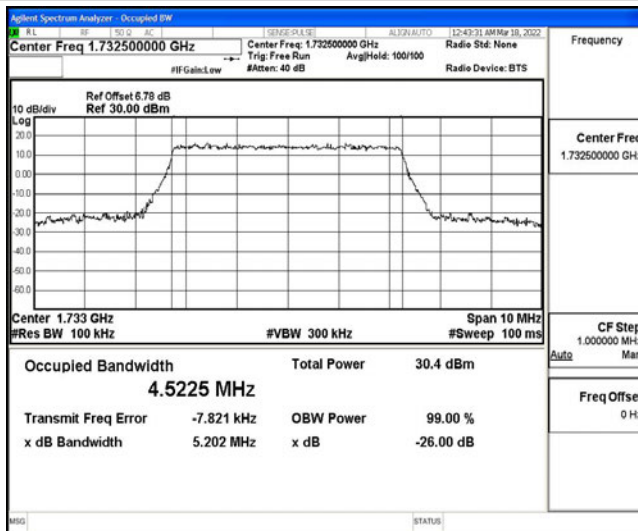


Band4-5MHz-QPSK-19975-25RB#0

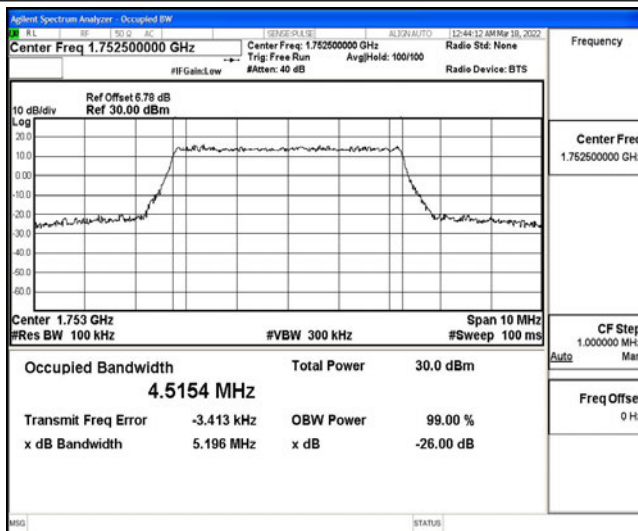




Band4-5MHz-QPSK-20175-25RB#0



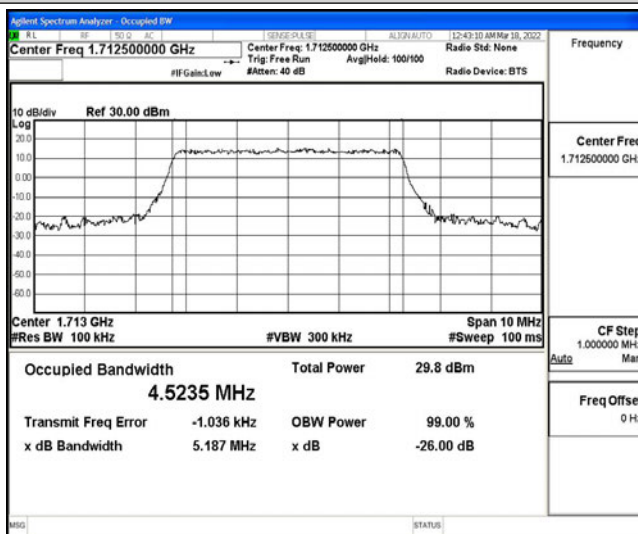
Band4-5MHz-QPSK-20375-25RB#0



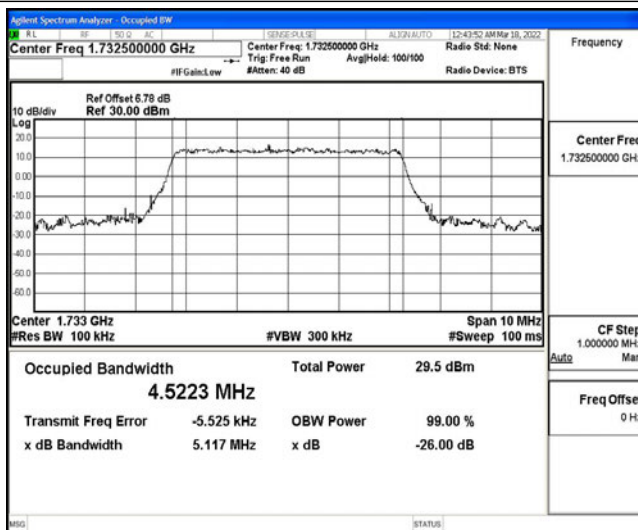




Band4-5MHz-16QAM-19975-25RB#0

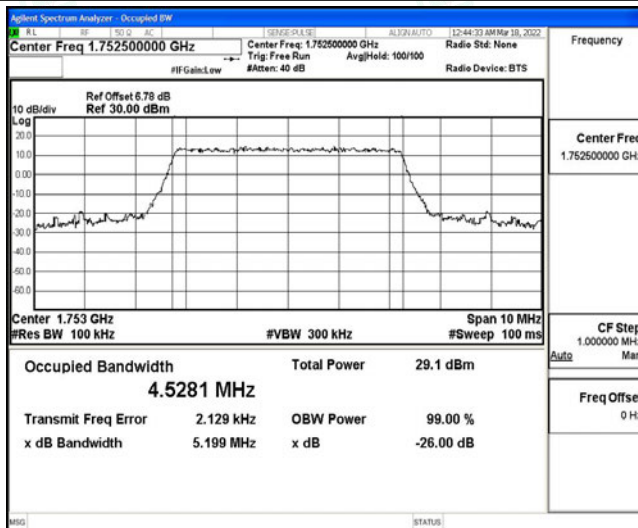


Band4-5MHz-16QAM-20175-25RB#0

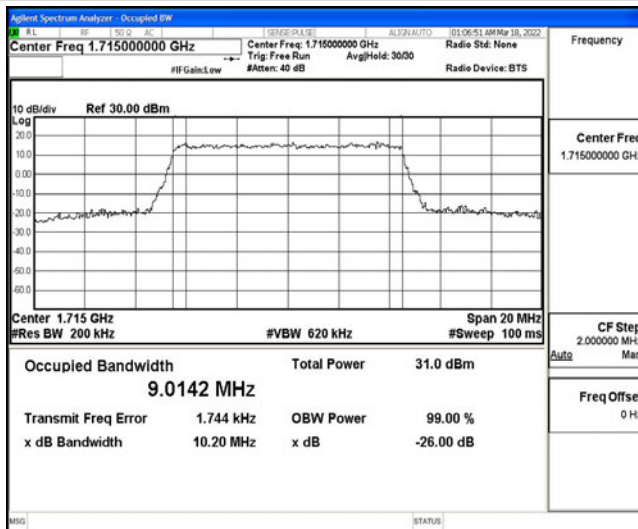


Band4-5MHz-16QAM-20375-25RB#0

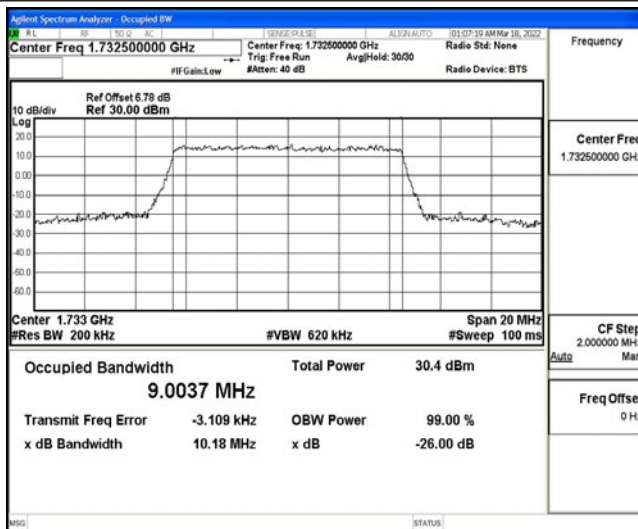




Band4-10MHz-QPSK-20000-50RB#0

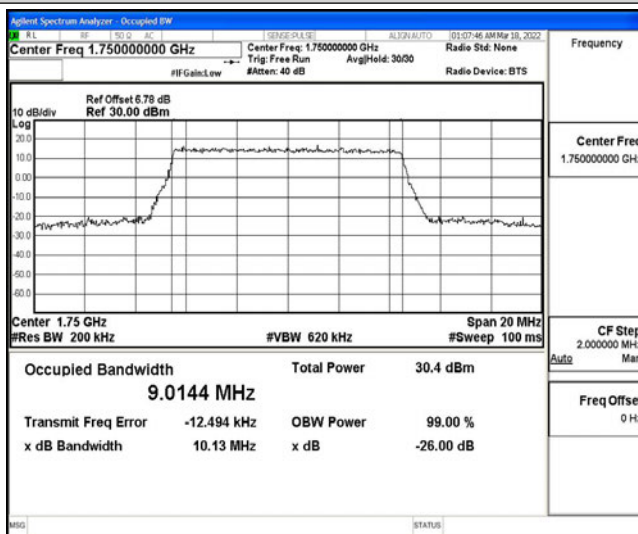


Band4-10MHz-QPSK-20175-50RB#0

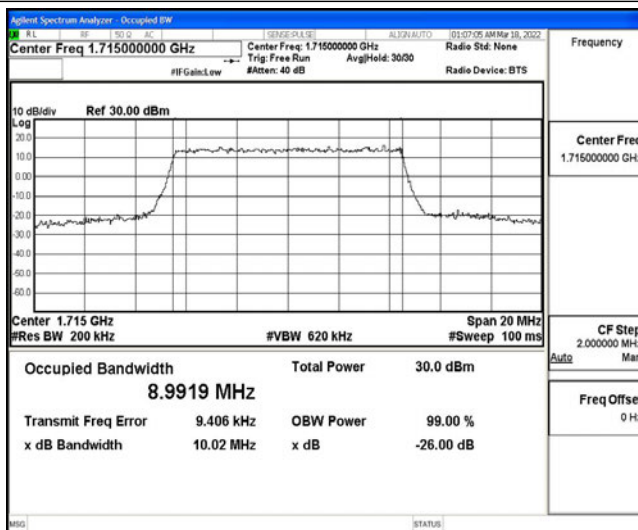




Band4-10MHz-QPSK-20350-50RB#0

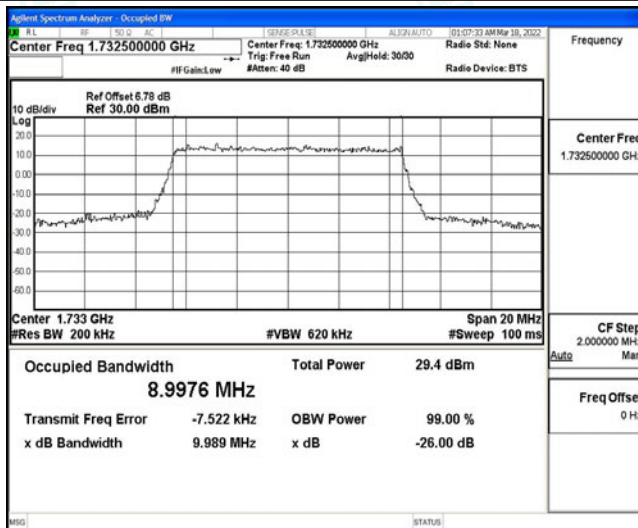


Band4-10MHz-16QAM-20000-50RB#0

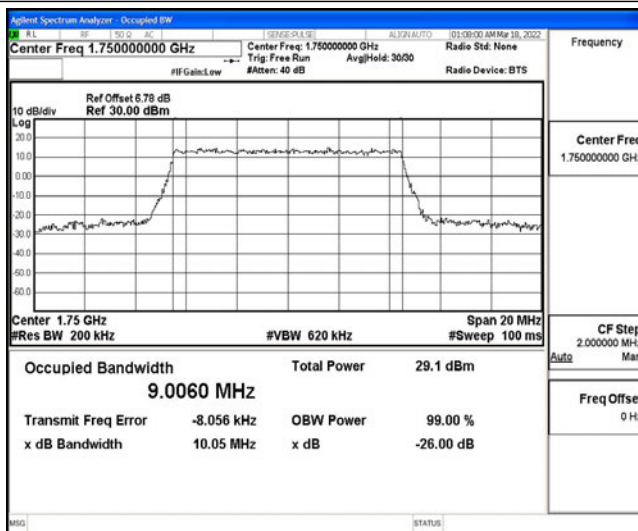


Band4-10MHz-16QAM-20175-50RB#0

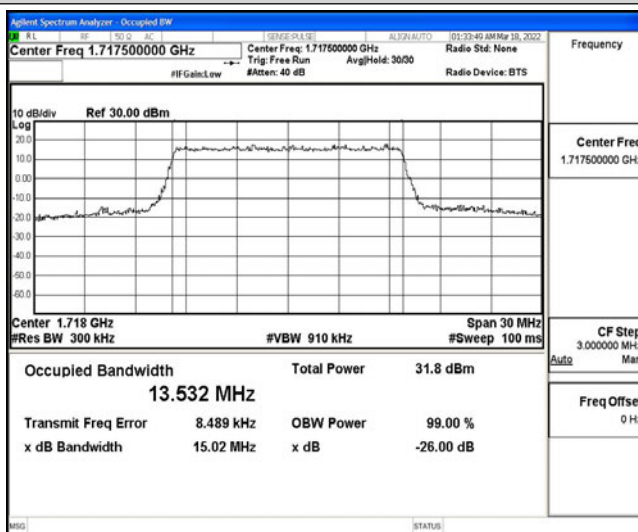




Band4-10MHz-16QAM-20350-50RB#0

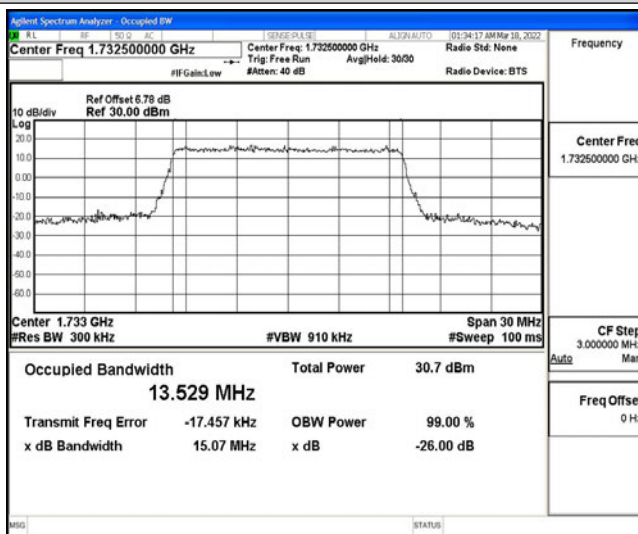


Band4-15MHz-QPSK-20025-75RB#0

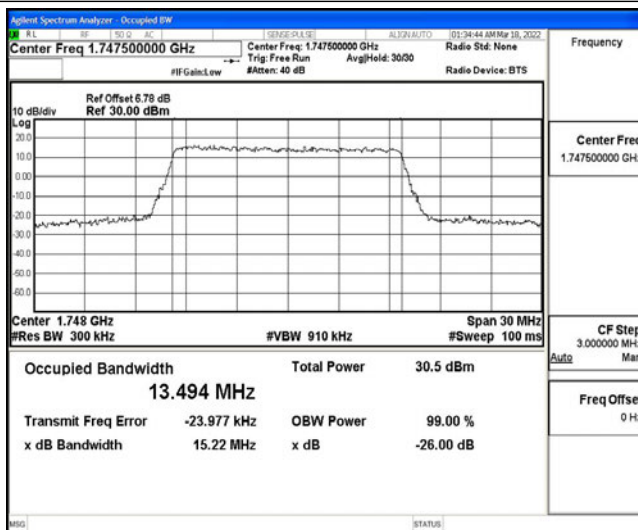




Band4-15MHz-QPSK-20175-75RB#0



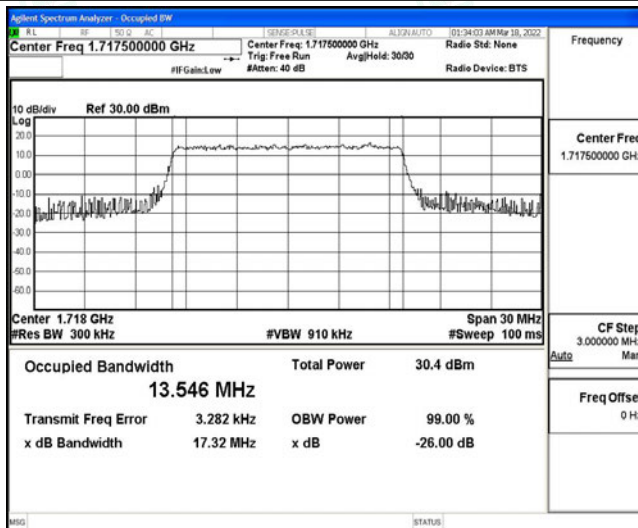
Band4-15MHz-QPSK-20325-75RB#0



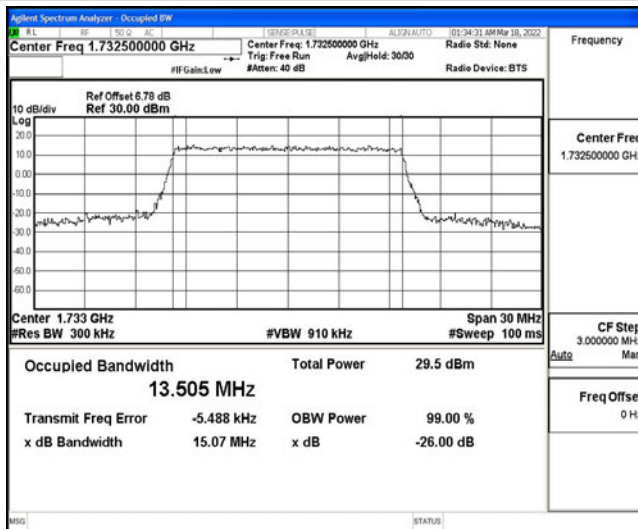
Band4-15MHz-16QAM-20025-75RB#0



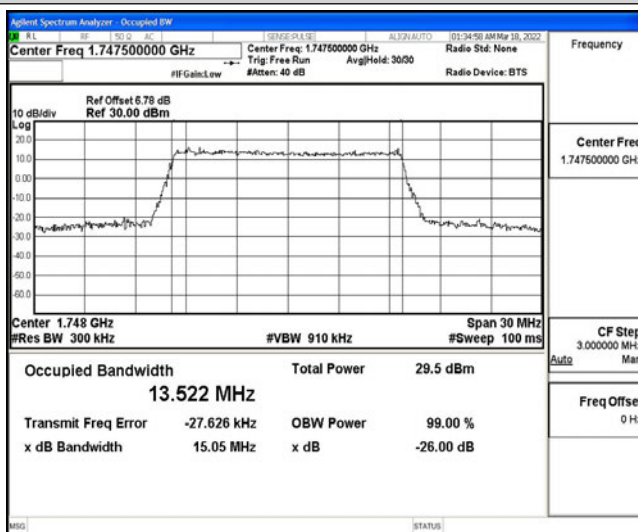




Band4-15MHz-16QAM-20175-75RB#0

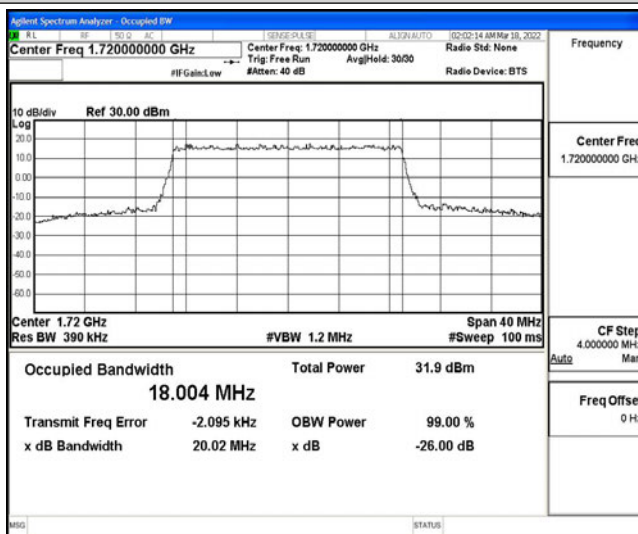


Band4-15MHz-16QAM-20325-75RB#0

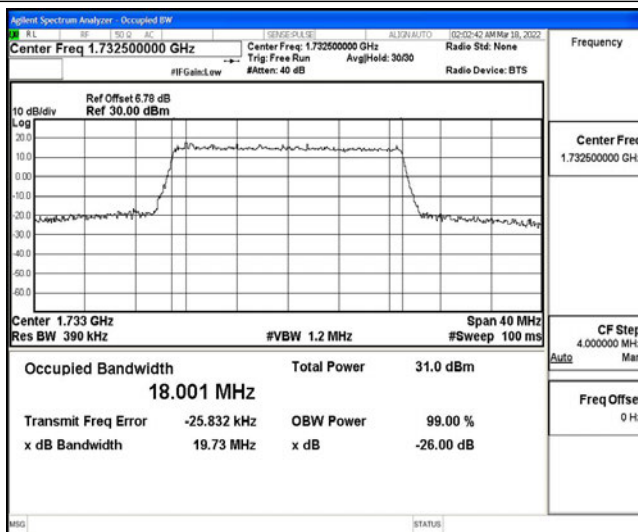




Band4-20MHz-QPSK-20050-100RB#0

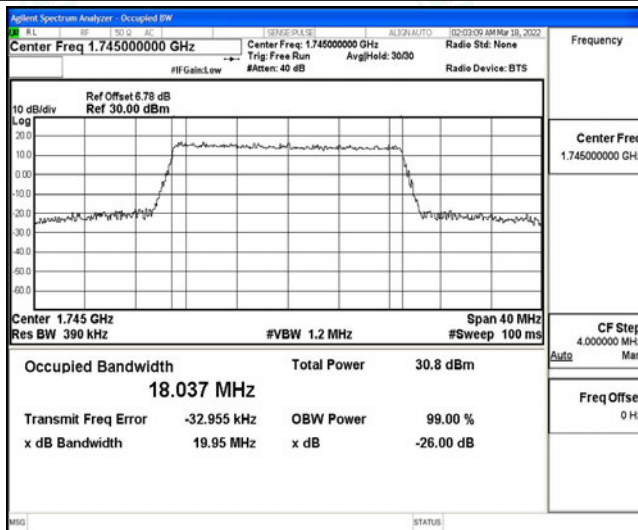


Band4-20MHz-QPSK-20175-100RB#0

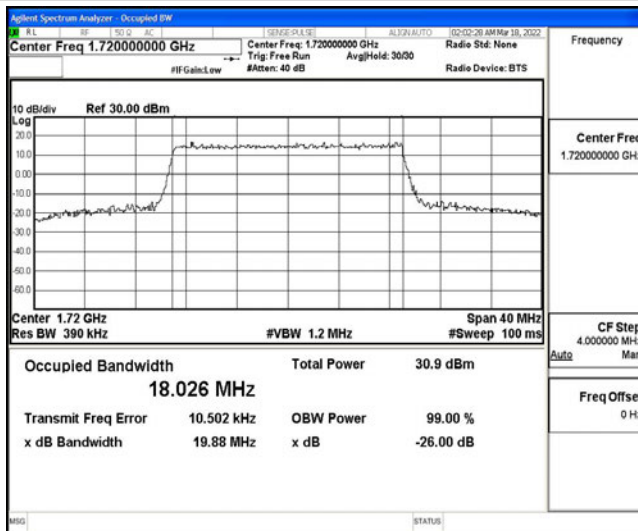


Band4-20MHz-QPSK-20300-100RB#0

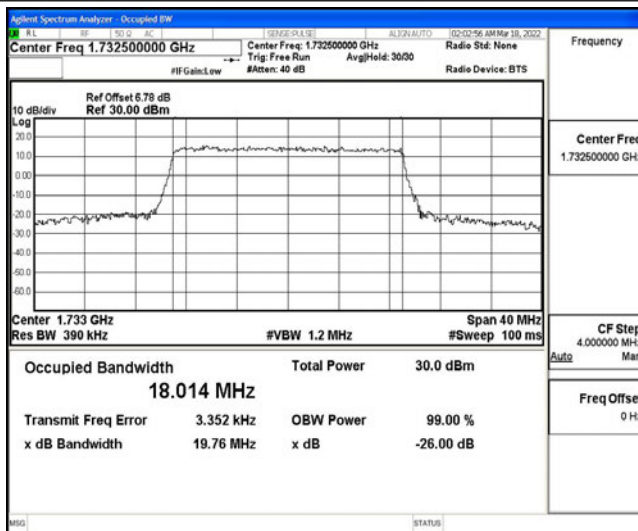




Band4-20MHz-16QAM-20050-100RB#0

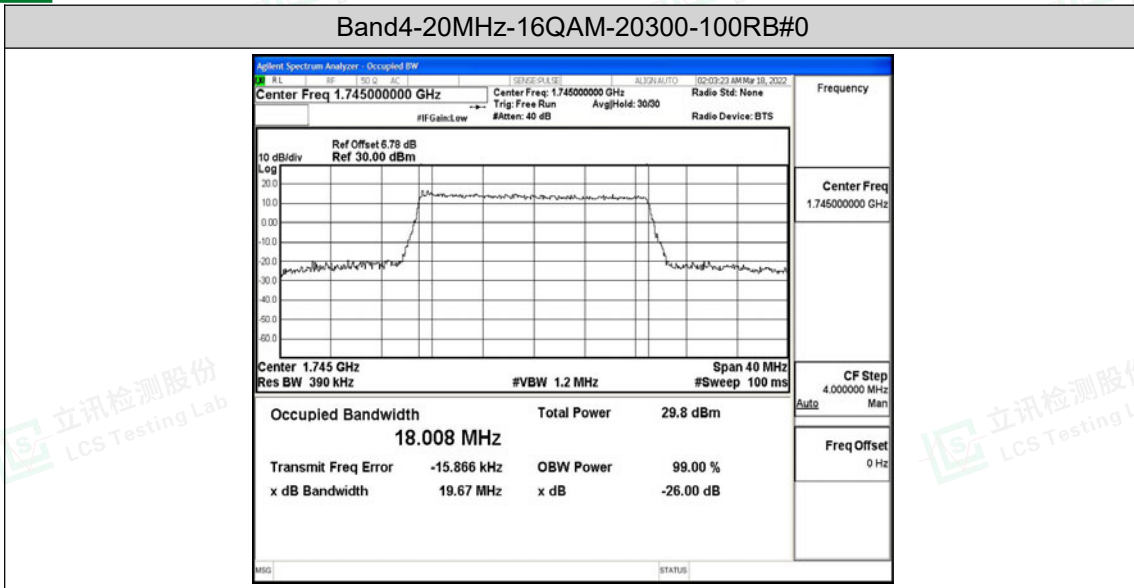


Band4-20MHz-16QAM-20175-100RB#0





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





### E.4 Band Edge

#### Test Result

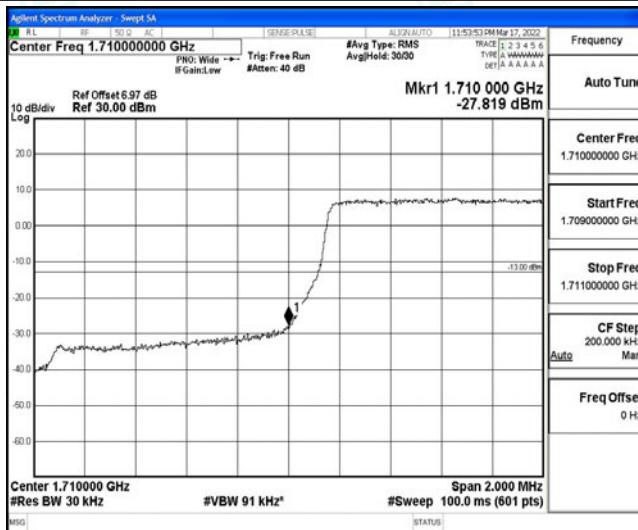
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	-27.82	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-26.80	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-28.20	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-29.68	PASS
Band4	3MHz	QPSK	19965	15RB#0	-28.52	PASS
Band4	3MHz	QPSK	20385	15RB#0	-28.87	PASS
Band4	3MHz	16QAM	19965	15RB#0	-30.91	PASS
Band4	3MHz	16QAM	20385	15RB#0	-30.92	PASS
Band4	5MHz	QPSK	19975	25RB#0	-22.35	PASS
Band4	5MHz	QPSK	20375	25RB#0	-24.06	PASS
Band4	5MHz	16QAM	19975	25RB#0	-23.73	PASS
Band4	5MHz	16QAM	20375	25RB#0	-25.00	PASS
Band4	10MHz	QPSK	20000	50RB#0	-26.19	PASS
Band4	10MHz	QPSK	20350	50RB#0	-28.03	PASS
Band4	10MHz	16QAM	20000	50RB#0	-28.39	PASS
Band4	10MHz	16QAM	20350	50RB#0	-28.63	PASS
Band4	15MHz	QPSK	20025	75RB#0	-25.44	PASS
Band4	15MHz	QPSK	20325	75RB#0	-28.55	PASS
Band4	15MHz	16QAM	20025	75RB#0	-27.54	PASS
Band4	15MHz	16QAM	20325	75RB#0	-29.40	PASS
Band4	20MHz	QPSK	20050	100RB#0	-28.58	PASS
Band4	20MHz	QPSK	20300	100RB#0	-31.27	PASS
Band4	20MHz	16QAM	20050	100RB#0	-29.35	PASS
Band4	20MHz	16QAM	20300	100RB#0	-30.92	PASS

#### Test Graphs

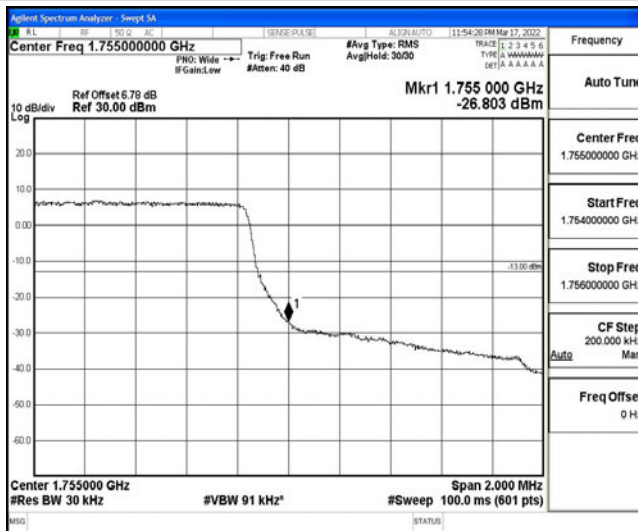
Band4-1.4MHz-QPSK-19957-6RB#0



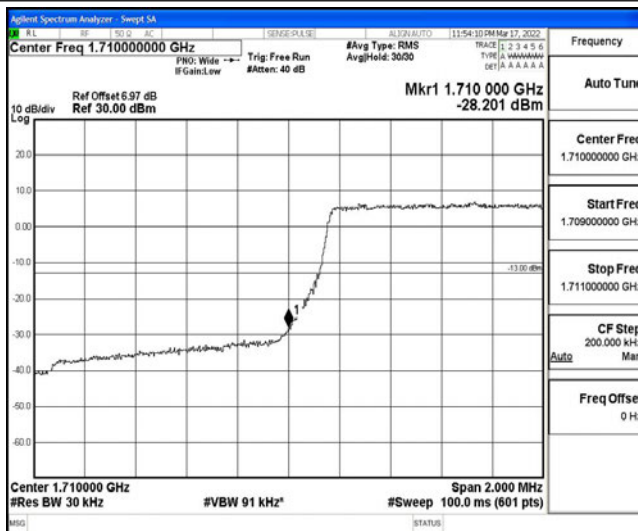




Band4-1.4MHz-QPSK-20393-6RB#0

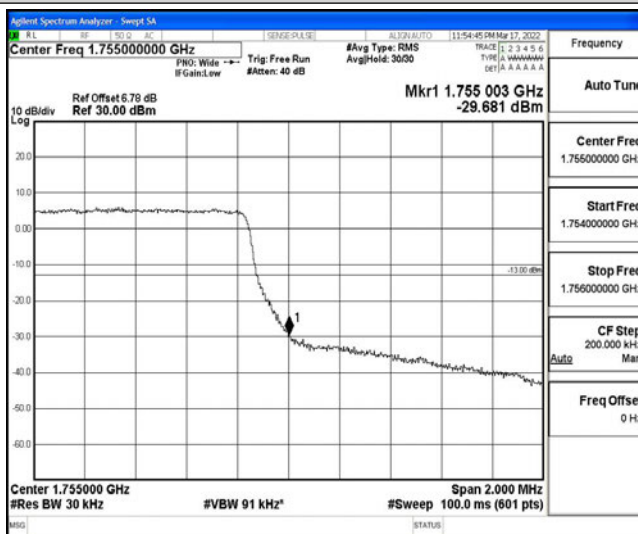


Band4-1.4MHz-16QAM-19957-6RB#0

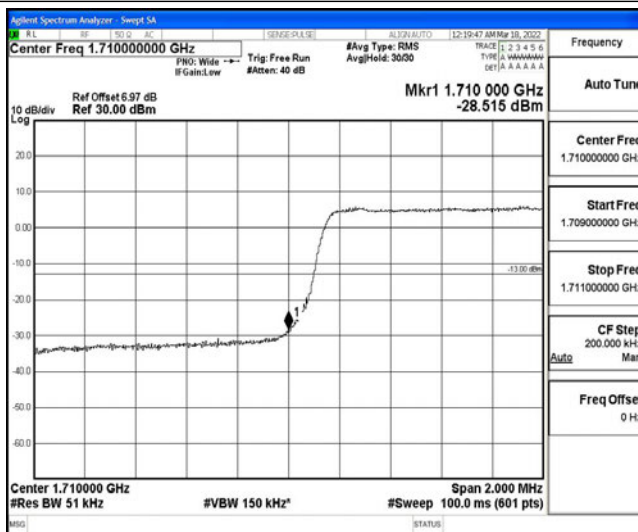




Band4-1.4MHz-16QAM-20393-6RB#0



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



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

