



Appendix E: Test Data for E-UTRA Band 4

Product Name: Smart phone

Test Model: DL4s

Environmental Conditions

Temperature:	23.8 ° C
Relative Humidity:	52.1%
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	21.64	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	21.79	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	21.61	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	21.77	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	21.73	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	21.74	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	20.76	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.04	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.19	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.04	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.13	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.12	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.17	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.18	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.05	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.05	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.06	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.08	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	22.10	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.14	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.19	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	20.83	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	21.07	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	20.82	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	20.69	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	20.70	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	20.72	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	19.83	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.24	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	21.37	PASS





Band4	1.4MHz	16QAM	20175	1RB#5	21.25	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.10	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.10	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.07	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.20	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	21.24	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	21.39	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	21.21	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	21.10	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	21.09	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.12	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.03	PASS
Band4	3MHz	QPSK	19965	1RB#0	21.69	PASS
Band4	3MHz	QPSK	19965	1RB#8	21.69	PASS
Band4	3MHz	QPSK	19965	1RB#14	21.65	PASS
Band4	3MHz	QPSK	19965	8RB#0	20.77	PASS
Band4	3MHz	QPSK	19965	8RB#4	20.73	PASS
Band4	3MHz	QPSK	19965	8RB#7	20.68	PASS
Band4	3MHz	QPSK	19965	15RB#0	20.73	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.17	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.13	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.14	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.20	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.17	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.18	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.18	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.23	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.16	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.11	PASS
Band4	3MHz	QPSK	20385	8RB#0	21.21	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.19	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.15	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.15	PASS
Band4	3MHz	16QAM	19965	1RB#0	20.95	PASS
Band4	3MHz	16QAM	19965	1RB#8	20.94	PASS





Band4	3MHz	16QAM	19965	1RB#14	20.92	PASS
Band4	3MHz	16QAM	19965	8RB#0	19.76	PASS
Band4	3MHz	16QAM	19965	8RB#4	19.74	PASS
Band4	3MHz	16QAM	19965	8RB#7	19.74	PASS
Band4	3MHz	16QAM	19965	15RB#0	19.73	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.38	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.37	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.34	PASS
Band4	3MHz	16QAM	20175	8RB#0	20.23	PASS
Band4	3MHz	16QAM	20175	8RB#4	20.22	PASS
Band4	3MHz	16QAM	20175	8RB#7	20.24	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.20	PASS
Band4	3MHz	16QAM	20385	1RB#0	21.37	PASS
Band4	3MHz	16QAM	20385	1RB#8	21.27	PASS
Band4	3MHz	16QAM	20385	1RB#14	21.32	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.19	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.19	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.17	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.07	PASS
Band4	5MHz	QPSK	19975	1RB#0	21.66	PASS
Band4	5MHz	QPSK	19975	1RB#12	21.75	PASS
Band4	5MHz	QPSK	19975	1RB#24	21.61	PASS
Band4	5MHz	QPSK	19975	12RB#0	20.71	PASS
Band4	5MHz	QPSK	19975	12RB#6	20.72	PASS
Band4	5MHz	QPSK	19975	12RB#13	20.69	PASS
Band4	5MHz	QPSK	19975	25RB#0	20.76	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.01	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.29	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.16	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.21	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.21	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.22	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.29	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.17	PASS
Band4	5MHz	QPSK	20375	1RB#12	22.15	PASS





Band4	5MHz	QPSK	20375	1RB#24	22.09	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.12	PASS
Band4	5MHz	QPSK	20375	12RB#6	21.22	PASS
Band4	5MHz	QPSK	20375	12RB#13	21.20	PASS
Band4	5MHz	QPSK	20375	25RB#0	21.26	PASS
Band4	5MHz	16QAM	19975	1RB#0	20.74	PASS
Band4	5MHz	16QAM	19975	1RB#12	20.82	PASS
Band4	5MHz	16QAM	19975	1RB#24	20.65	PASS
Band4	5MHz	16QAM	19975	12RB#0	19.77	PASS
Band4	5MHz	16QAM	19975	12RB#6	19.74	PASS
Band4	5MHz	16QAM	19975	12RB#13	19.76	PASS
Band4	5MHz	16QAM	19975	25RB#0	19.73	PASS
Band4	5MHz	16QAM	20175	1RB#0	21.15	PASS
Band4	5MHz	16QAM	20175	1RB#12	21.27	PASS
Band4	5MHz	16QAM	20175	1RB#24	21.21	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.24	PASS
Band4	5MHz	16QAM	20175	12RB#6	20.18	PASS
Band4	5MHz	16QAM	20175	12RB#13	20.27	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.26	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.42	PASS
Band4	5MHz	16QAM	20375	1RB#12	21.51	PASS
Band4	5MHz	16QAM	20375	1RB#24	21.33	PASS
Band4	5MHz	16QAM	20375	12RB#0	20.29	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.20	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.24	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.20	PASS
Band4	10MHz	QPSK	20000	1RB#0	21.66	PASS
Band4	10MHz	QPSK	20000	1RB#24	21.81	PASS
Band4	10MHz	QPSK	20000	1RB#49	21.77	PASS
Band4	10MHz	QPSK	20000	25RB#0	20.84	PASS
Band4	10MHz	QPSK	20000	25RB#12	20.82	PASS
Band4	10MHz	QPSK	20000	25RB#25	20.89	PASS
Band4	10MHz	QPSK	20000	50RB#0	20.84	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.08	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.32	PASS





Band4	10MHz	QPSK	20175	1RB#49	22.17	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.30	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.32	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.31	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.31	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.11	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.29	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.11	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.29	PASS
Band4	10MHz	QPSK	20350	25RB#12	21.29	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.36	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.26	PASS
Band4	10MHz	16QAM	20000	1RB#0	20.97	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.15	PASS
Band4	10MHz	16QAM	20000	1RB#49	20.99	PASS
Band4	10MHz	16QAM	20000	25RB#0	19.84	PASS
Band4	10MHz	16QAM	20000	25RB#12	19.82	PASS
Band4	10MHz	16QAM	20000	25RB#25	19.91	PASS
Band4	10MHz	16QAM	20000	50RB#0	19.86	PASS
Band4	10MHz	16QAM	20175	1RB#0	21.34	PASS
Band4	10MHz	16QAM	20175	1RB#24	21.53	PASS
Band4	10MHz	16QAM	20175	1RB#49	21.41	PASS
Band4	10MHz	16QAM	20175	25RB#0	20.32	PASS
Band4	10MHz	16QAM	20175	25RB#12	20.27	PASS
Band4	10MHz	16QAM	20175	25RB#25	20.26	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.23	PASS
Band4	10MHz	16QAM	20350	1RB#0	21.35	PASS
Band4	10MHz	16QAM	20350	1RB#24	21.51	PASS
Band4	10MHz	16QAM	20350	1RB#49	21.30	PASS
Band4	10MHz	16QAM	20350	25RB#0	20.29	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.29	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.34	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.29	PASS
Band4	15MHz	QPSK	20025	1RB#0	21.59	PASS
Band4	15MHz	QPSK	20025	1RB#38	21.72	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 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	15MHz	QPSK	20025	1RB#74	21.70	PASS
Band4	15MHz	QPSK	20025	38RB#0	20.86	PASS
Band4	15MHz	QPSK	20025	38RB#18	20.87	PASS
Band4	15MHz	QPSK	20025	38RB#37	20.91	PASS
Band4	15MHz	QPSK	20025	75RB#0	20.88	PASS
Band4	15MHz	QPSK	20175	1RB#0	21.95	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.23	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.15	PASS
Band4	15MHz	QPSK	20175	38RB#0	21.31	PASS
Band4	15MHz	QPSK	20175	38RB#18	21.31	PASS
Band4	15MHz	QPSK	20175	38RB#37	21.32	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.31	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.03	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.16	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.00	PASS
Band4	15MHz	QPSK	20325	38RB#0	21.30	PASS
Band4	15MHz	QPSK	20325	38RB#18	21.32	PASS
Band4	15MHz	QPSK	20325	38RB#37	21.30	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.27	PASS
Band4	15MHz	16QAM	20025	1RB#0	20.89	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.00	PASS
Band4	15MHz	16QAM	20025	1RB#74	20.99	PASS
Band4	15MHz	16QAM	20025	38RB#0	20.83	PASS
Band4	15MHz	16QAM	20025	38RB#18	20.88	PASS
Band4	15MHz	16QAM	20025	38RB#37	20.91	PASS
Band4	15MHz	16QAM	20025	75RB#0	19.77	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.20	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.48	PASS
Band4	15MHz	16QAM	20175	1RB#74	21.37	PASS
Band4	15MHz	16QAM	20175	38RB#0	21.31	PASS
Band4	15MHz	16QAM	20175	38RB#18	21.31	PASS
Band4	15MHz	16QAM	20175	38RB#37	21.33	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.24	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.48	PASS
Band4	15MHz	16QAM	20325	1RB#38	21.51	PASS





Band4	15MHz	16QAM	20325	1RB#74	21.37	PASS
Band4	15MHz	16QAM	20325	38RB#0	21.32	PASS
Band4	15MHz	16QAM	20325	38RB#18	21.34	PASS
Band4	15MHz	16QAM	20325	38RB#37	21.27	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.29	PASS
Band4	20MHz	QPSK	20050	1RB#0	21.52	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.02	PASS
Band4	20MHz	QPSK	20050	1RB#99	21.78	PASS
Band4	20MHz	QPSK	20050	50RB#0	20.75	PASS
Band4	20MHz	QPSK	20050	50RB#25	20.77	PASS
Band4	20MHz	QPSK	20050	50RB#50	20.95	PASS
Band4	20MHz	QPSK	20050	100RB#0	20.86	PASS
Band4	20MHz	QPSK	20175	1RB#0	21.83	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.34	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.06	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.17	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.19	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.21	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.25	PASS
Band4	20MHz	QPSK	20300	1RB#0	21.96	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.48	PASS
Band4	20MHz	QPSK	20300	1RB#99	21.97	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.32	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.34	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.36	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.28	PASS
Band4	20MHz	16QAM	20050	1RB#0	20.65	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.13	PASS
Band4	20MHz	16QAM	20050	1RB#99	20.89	PASS
Band4	20MHz	16QAM	20050	50RB#0	19.69	PASS
Band4	20MHz	16QAM	20050	50RB#25	19.77	PASS
Band4	20MHz	16QAM	20050	50RB#50	19.92	PASS
Band4	20MHz	16QAM	20050	100RB#0	19.88	PASS
Band4	20MHz	16QAM	20175	1RB#0	20.92	PASS
Band4	20MHz	16QAM	20175	1RB#49	21.46	PASS





Band4	20MHz	16QAM	20175	1RB#99	21.12	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.17	PASS
Band4	20MHz	16QAM	20175	50RB#25	20.15	PASS
Band4	20MHz	16QAM	20175	50RB#50	20.27	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.21	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.21	PASS
Band4	20MHz	16QAM	20300	1RB#49	21.61	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.15	PASS
Band4	20MHz	16QAM	20300	50RB#0	20.35	PASS
Band4	20MHz	16QAM	20300	50RB#25	20.36	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.31	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.28	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	6RB#0	5.31	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	5.49	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	5.32	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	6.10	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	6.17	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	6.17	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.40	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	5.50	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	5.38	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	6.26	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	6.31	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	6.26	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.39	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	5.64	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	5.49	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	6.14	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	6.34	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	6.25	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.35	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	5.59	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	5.52	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	6.13	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	6.34	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	6.32	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.71	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.93	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	5.93	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.27	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	6.46	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	6.46	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.54	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.65	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	5.75	13	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 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	6.29	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	6.42	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	6.44	13	PASS

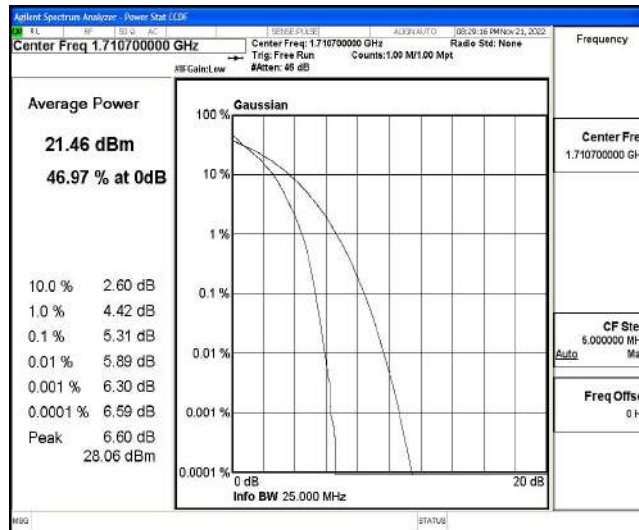


Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

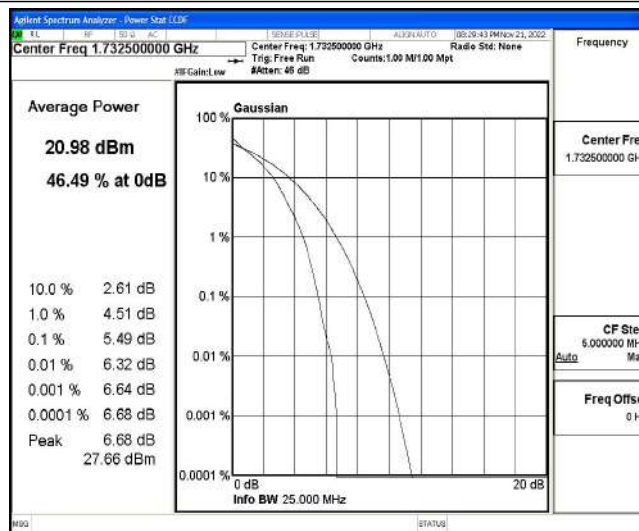


Test Graphs

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



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



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

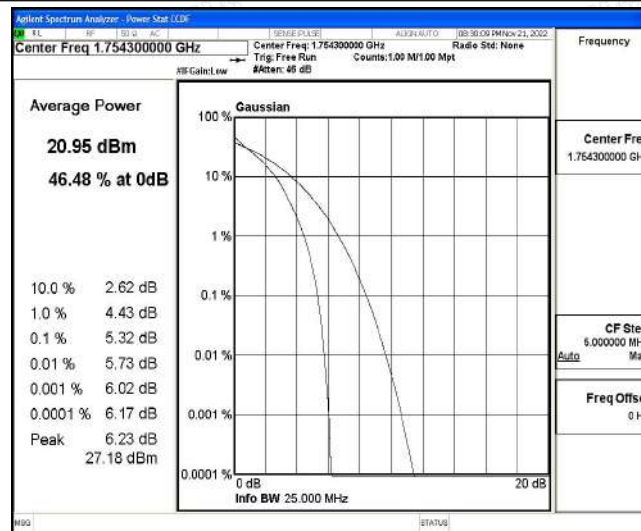


Shenzhen LCS Compliance Testing Laboratory Ltd.

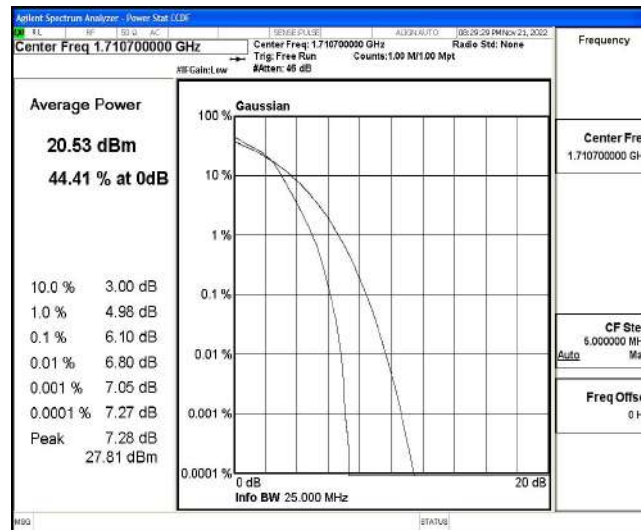
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

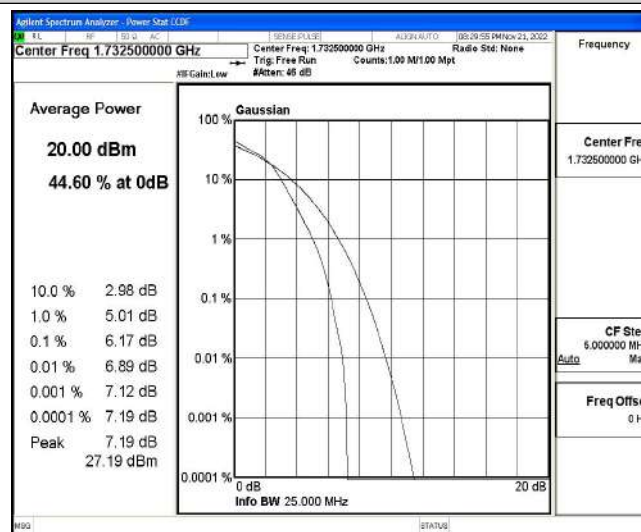
Scan code to check authenticity



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

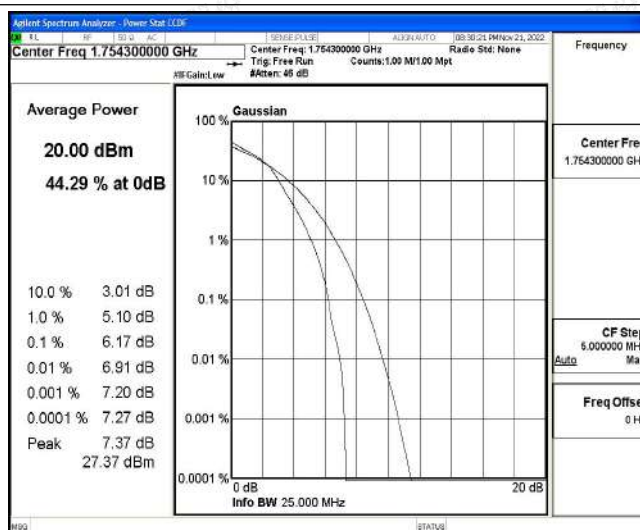


Band4-1.4MHz-16QAM-20175-6RB#0

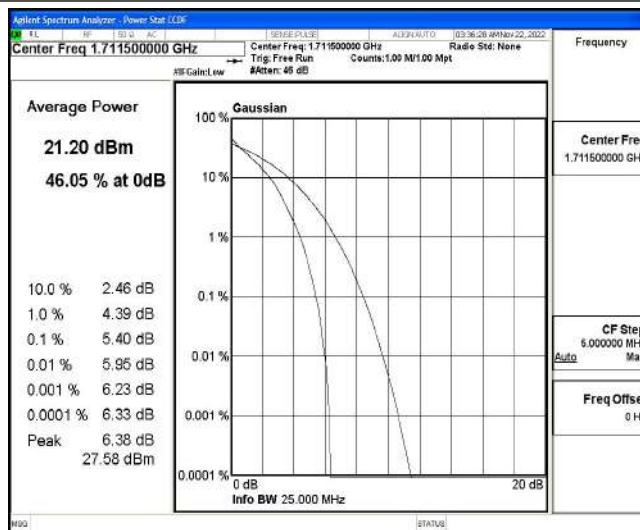


Band4-1.4MHz-16QAM-20393-6RB#0

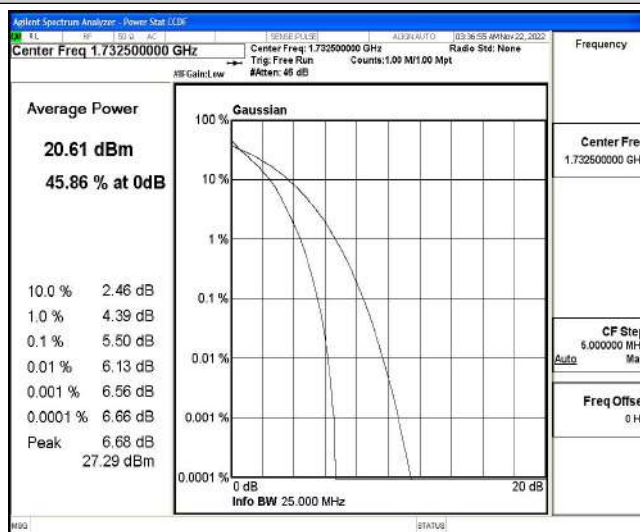




Band4-3MHz-QPSK-19965-15RB#0

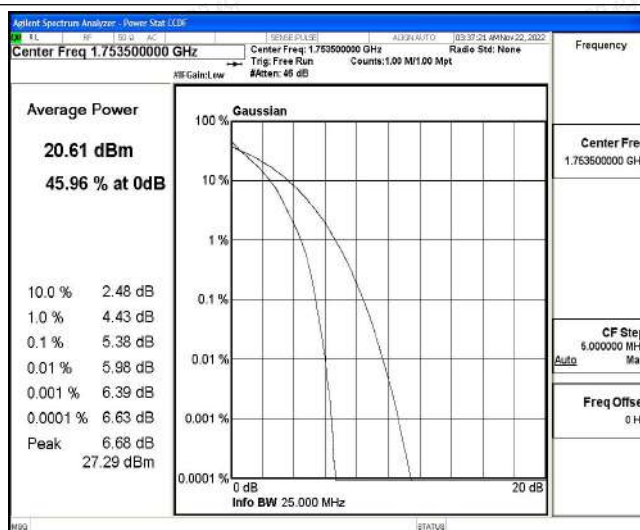


Band4-3MHz-QPSK-20175-15RB#0

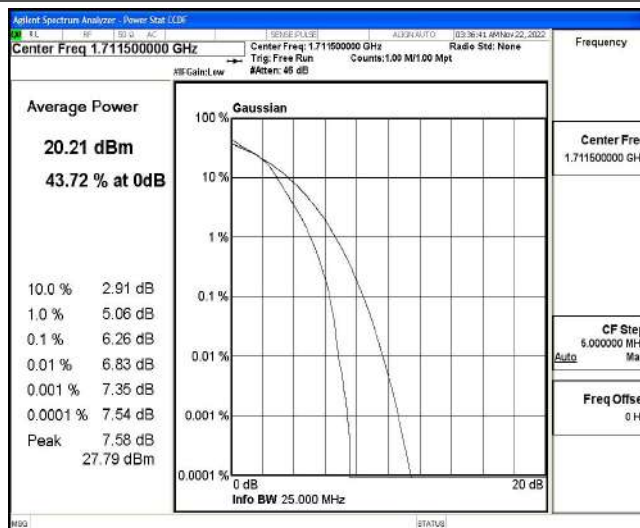


Band4-3MHz-QPSK-20385-15RB#0

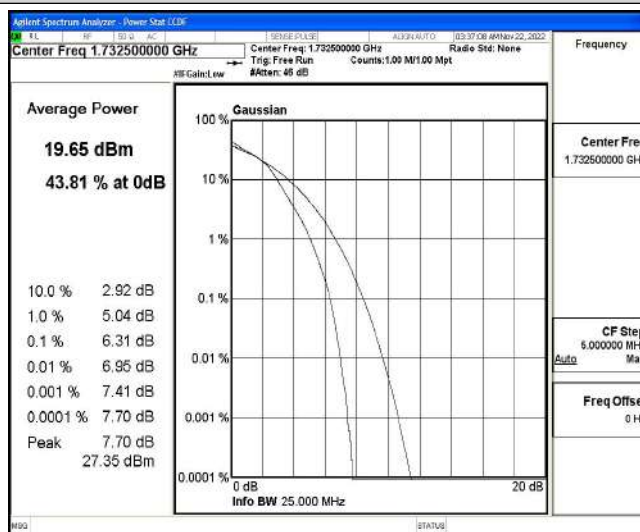




Band4-3MHz-16QAM-19965-15RB#0

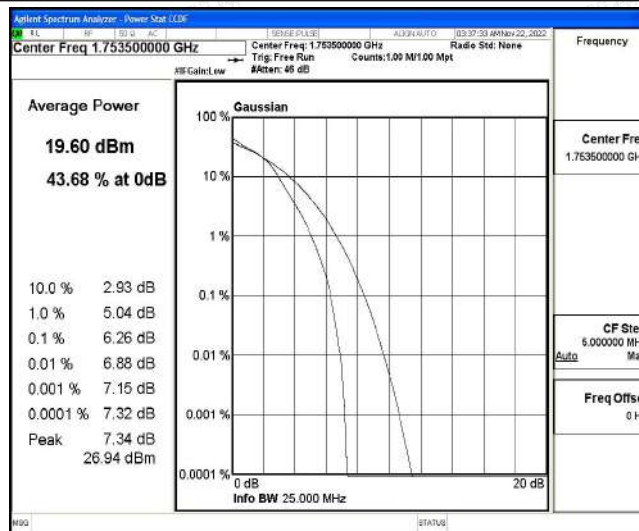


Band4-3MHz-16QAM-20175-15RB#0

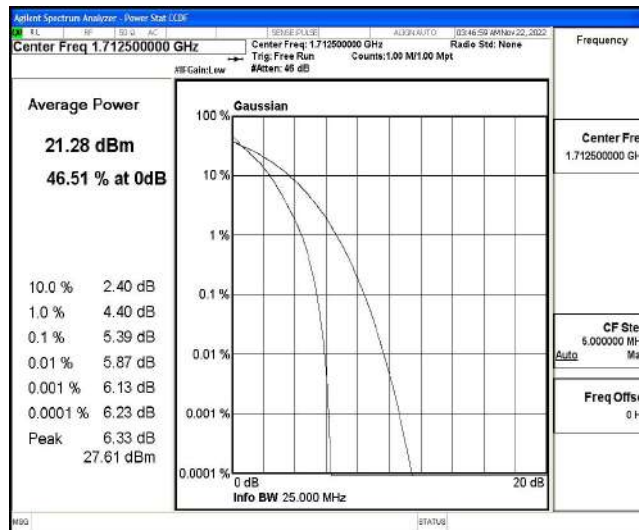


Band4-3MHz-16QAM-20385-15RB#0

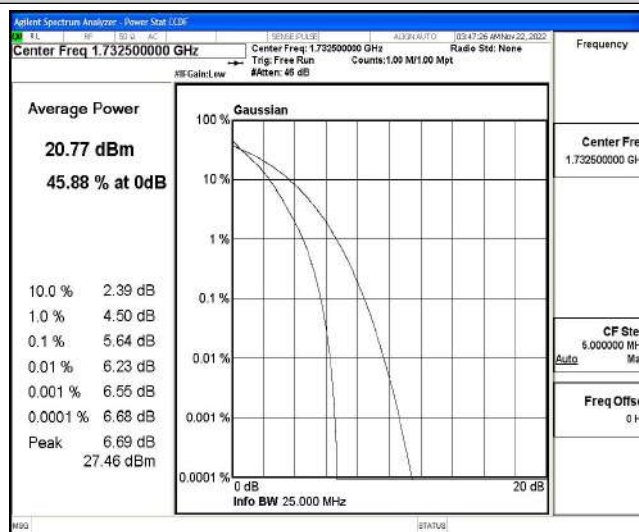




Band4-5MHz-QPSK-19975-25RB#0

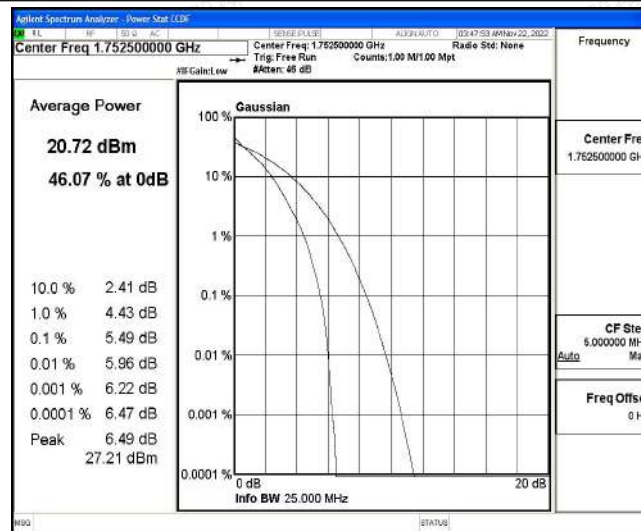


Band4-5MHz-QPSK-20175-25RB#0

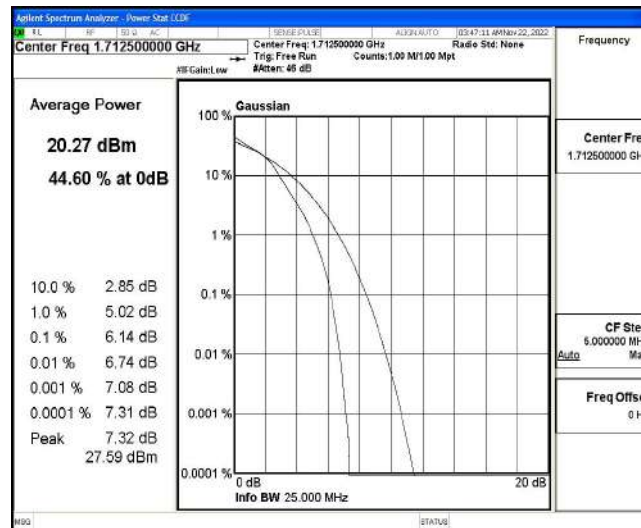


Band4-5MHz-QPSK-20375-25RB#0

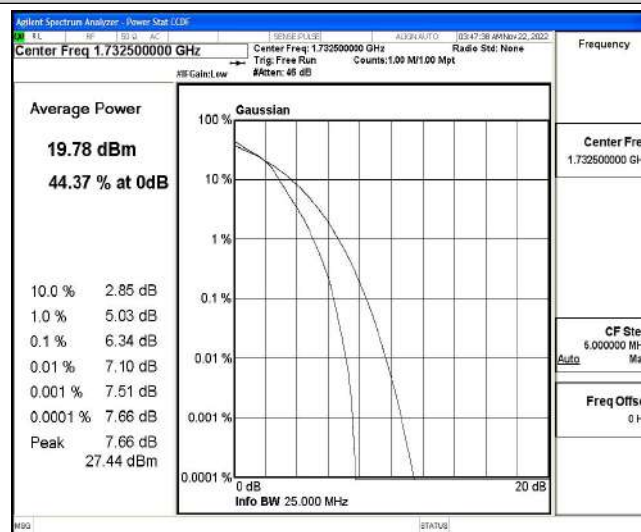




Band4-5MHz-16QAM-19975-25RB#0

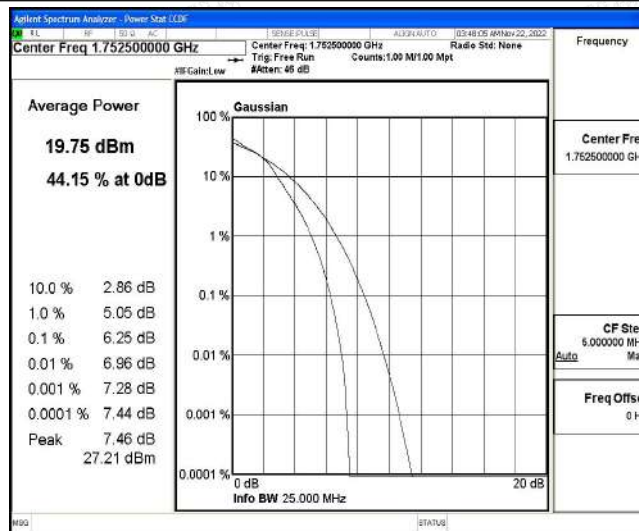


Band4-5MHz-16QAM-20175-25RB#0

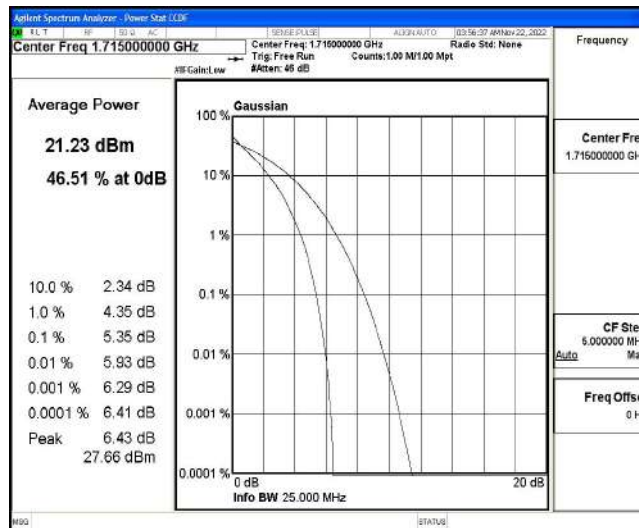


Band4-5MHz-16QAM-20375-25RB#0

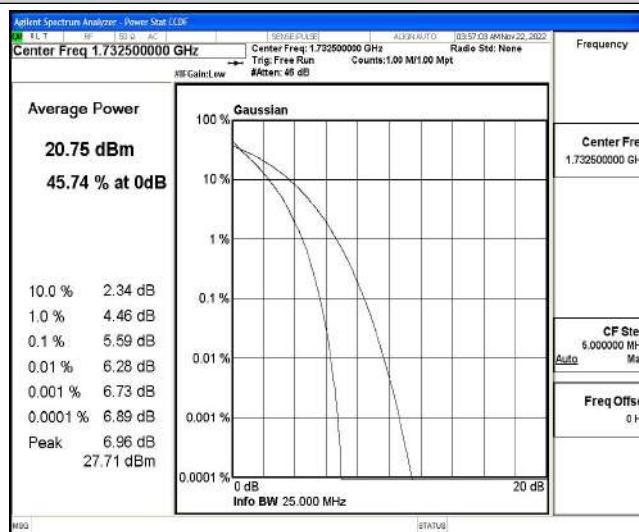




Band4-10MHz-QPSK-20000-50RB#0

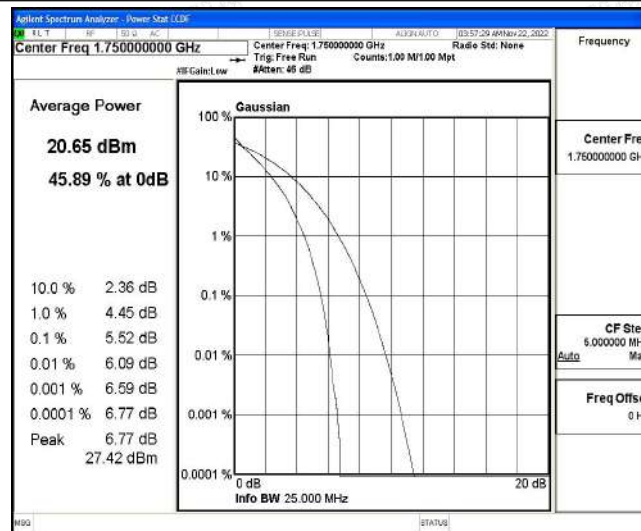


Band4-10MHz-QPSK-20175-50RB#0

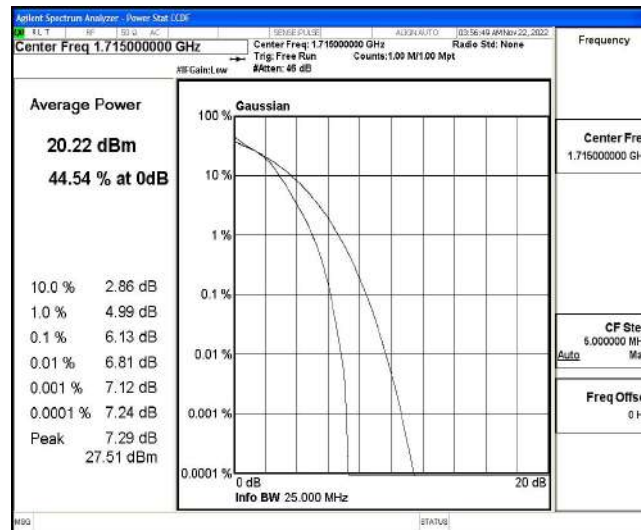


Band4-10MHz-QPSK-20350-50RB#0

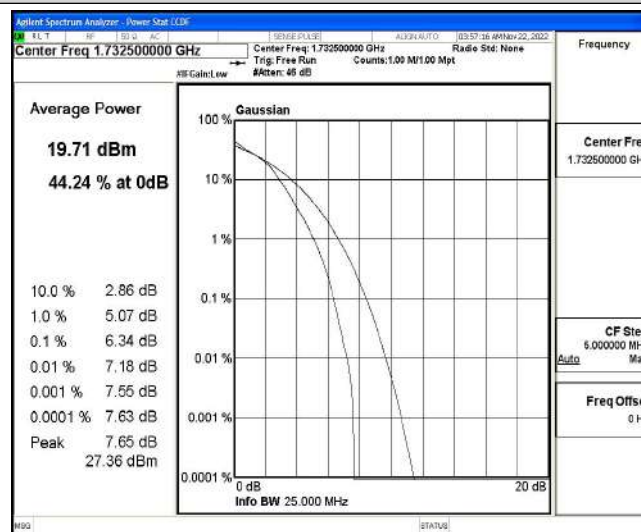




Band4-10MHz-16QAM-20000-50RB#0



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



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

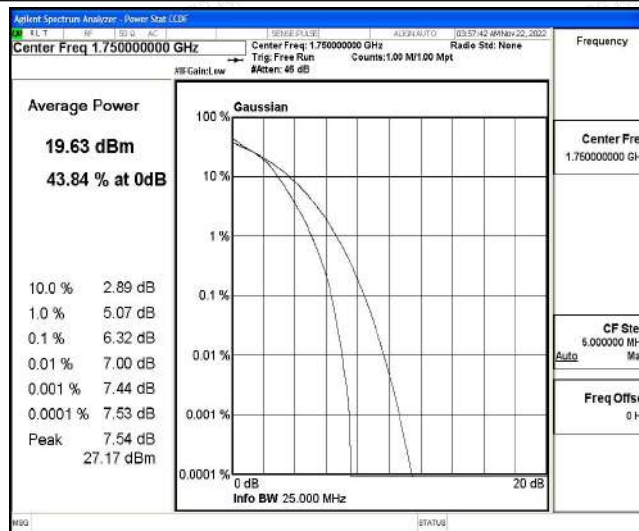


Shenzhen LCS Compliance Testing Laboratory Ltd.

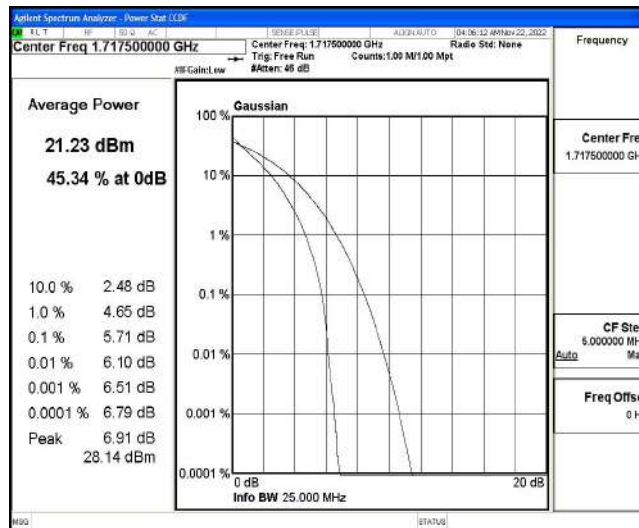
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

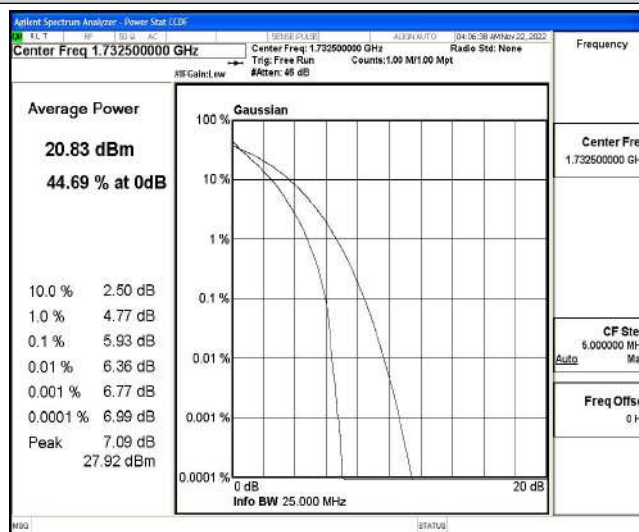
Scan code to check authenticity



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

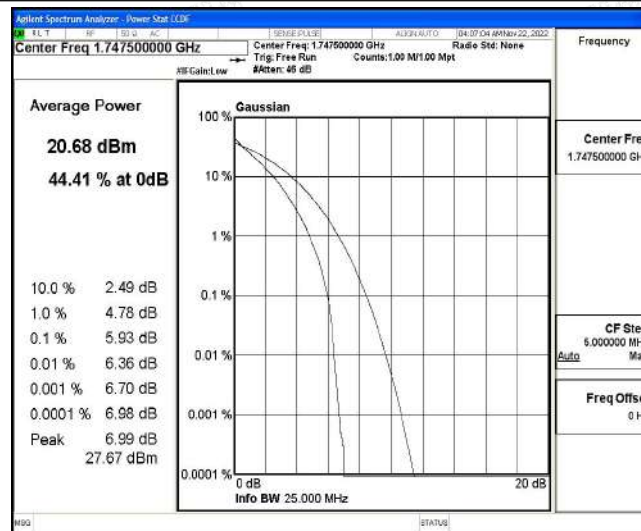


Band4-15MHz-QPSK-20175-75RB#0

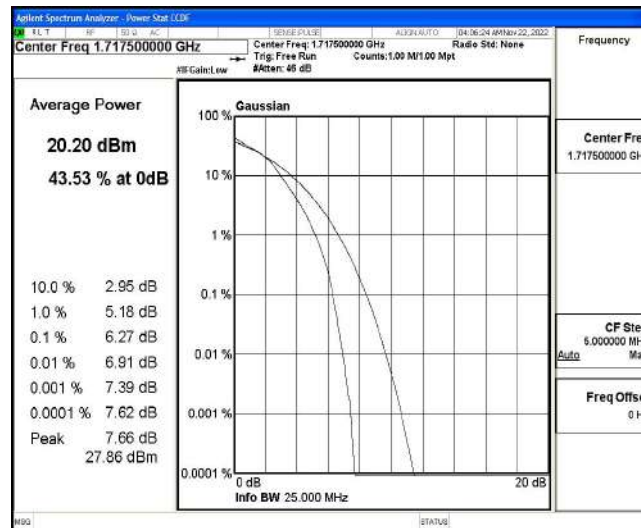


Band4-15MHz-QPSK-20325-75RB#0

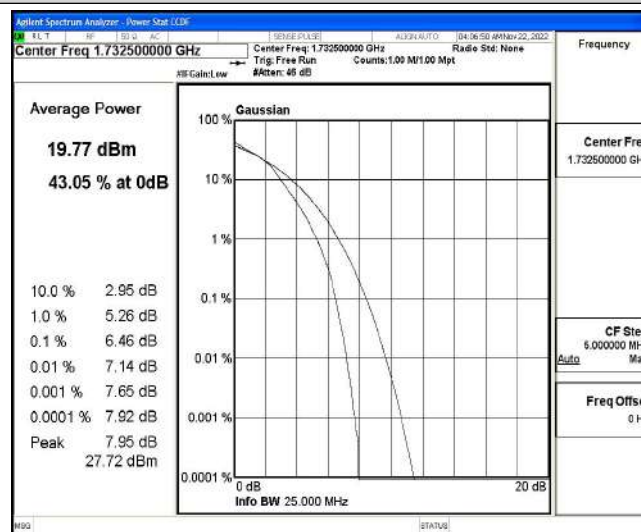




Band4-15MHz-16QAM-20025-75RB#0

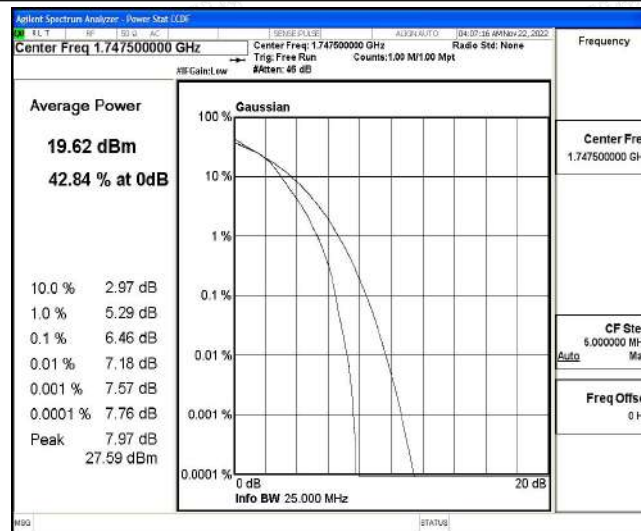


Band4-15MHz-16QAM-20175-75RB#0

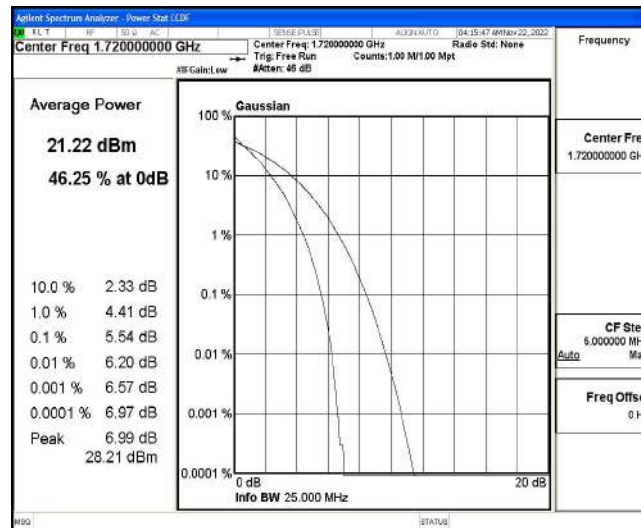


Band4-15MHz-16QAM-20325-75RB#0

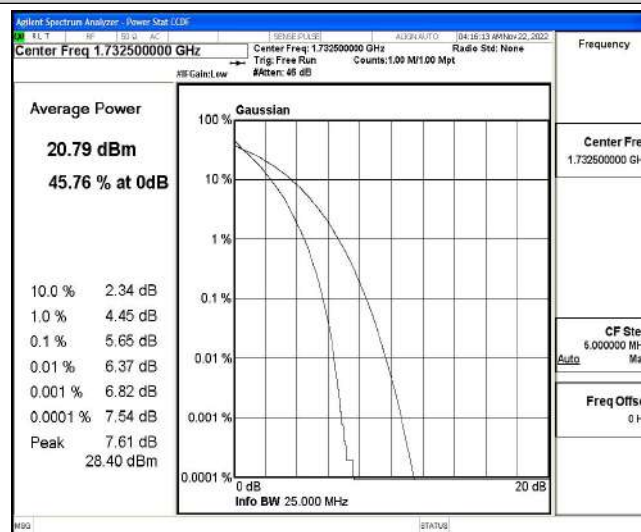




Band4-20MHz-QPSK-20050-100RB#0



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



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

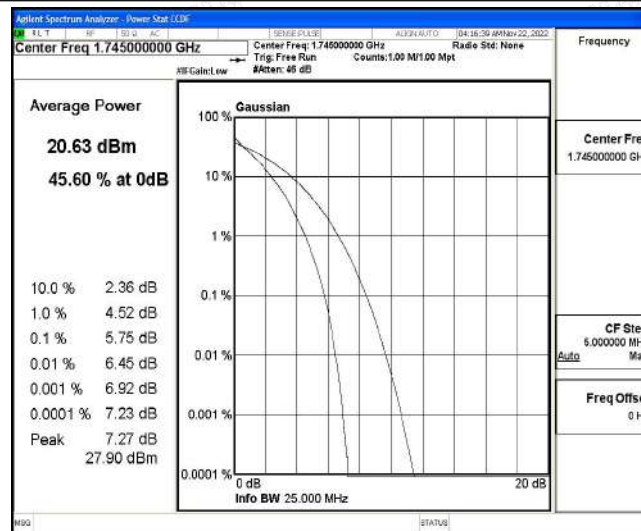


Shenzhen LCS Compliance Testing Laboratory Ltd.

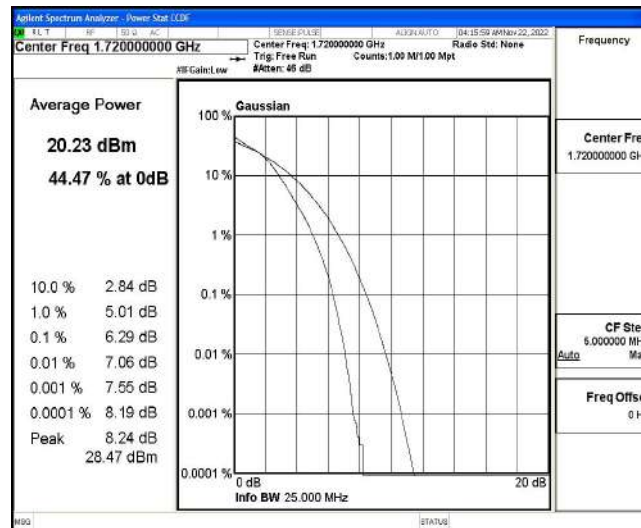
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

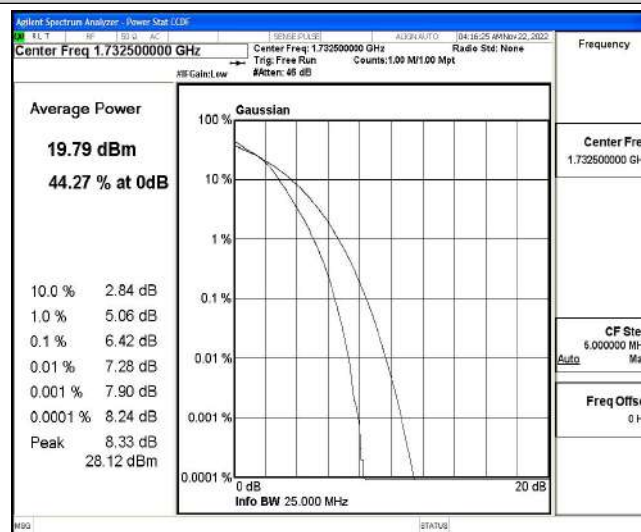
Scan code to check authenticity



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

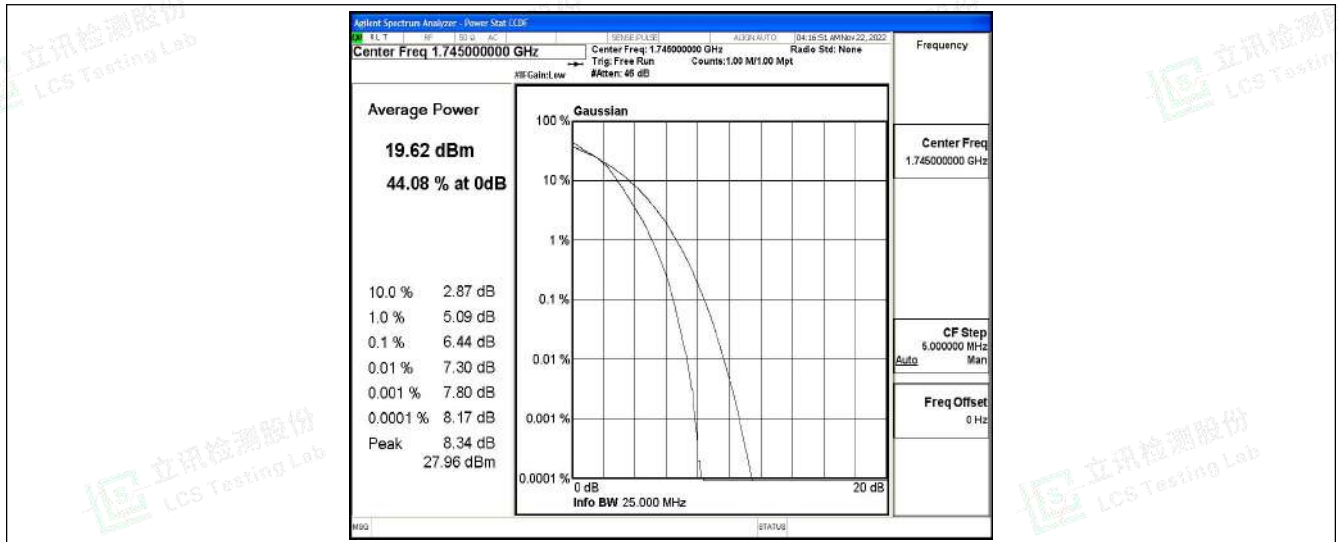


Band4-20MHz-16QAM-20175-100RB#0



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	1.0901	1.283	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0910	1.283	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0972	1.305	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.0970	1.321	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0985	1.300	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0998	1.275	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.7042	2.965	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6960	2.931	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.7010	2.964	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6944	2.966	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6974	2.965	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6931	2.954	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5209	5.172	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.5336	5.218	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.5125	5.132	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.5132	5.157	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5153	5.117	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.5384	5.217	PASS
Band4	10MHz	QPSK	20000	50RB#0	9.0037	10.18	PASS
Band4	10MHz	QPSK	20175	50RB#0	9.0132	10.09	PASS
Band4	10MHz	QPSK	20350	50RB#0	9.0061	10.15	PASS
Band4	10MHz	16QAM	20000	50RB#0	9.0018	10.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	9.0150	10.01	PASS
Band4	10MHz	16QAM	20350	50RB#0	9.0049	10.09	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.495	15.05	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.535	15.03	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.496	15.24	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.500	15.01	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.516	15.09	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.549	14.95	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.970	19.66	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 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	QPSK	20175	100RB#0	17.960	19.62	PASS
Band4	20MHz	QPSK	20300	100RB#0	18.036	20.09	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.939	19.67	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.993	19.72	PASS
Band4	20MHz	16QAM	20300	100RB#0	17.973	19.79	PASS

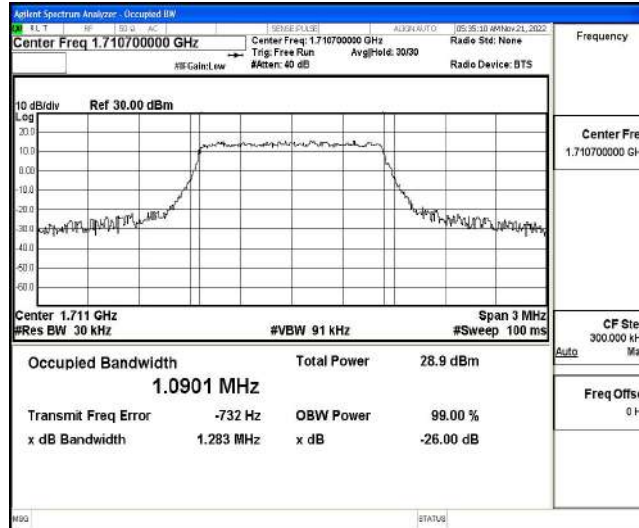


Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity

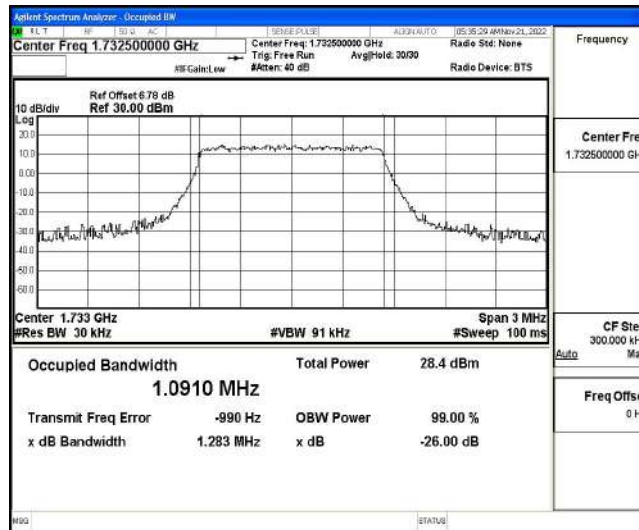


Test Graphs

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

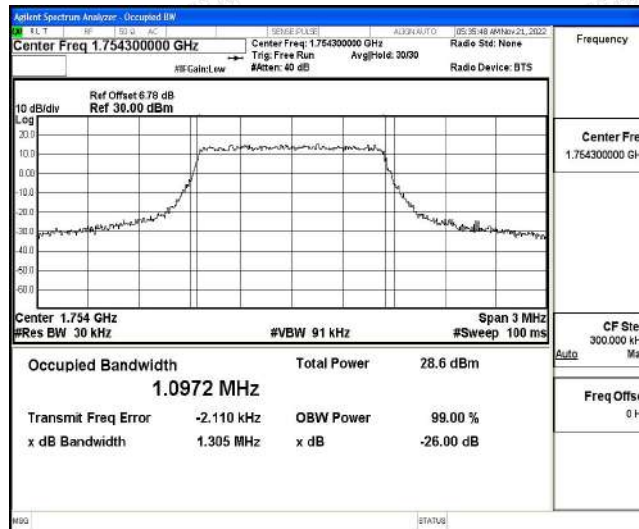


Band4-1.4MHz-QPSK-20175-6RB#0

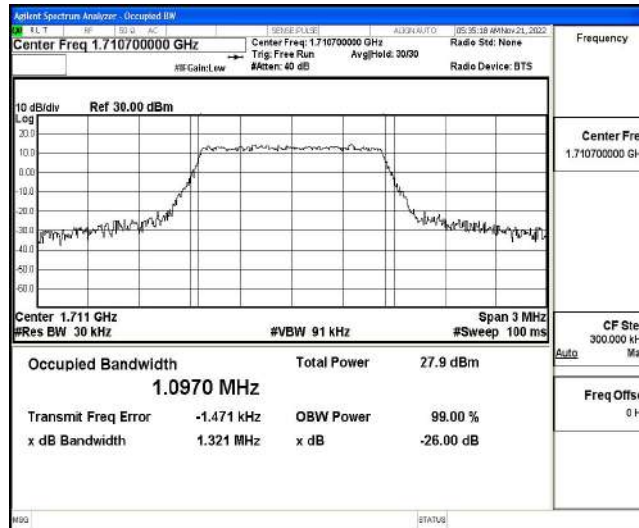


Band4-1.4MHz-QPSK-20393-6RB#0

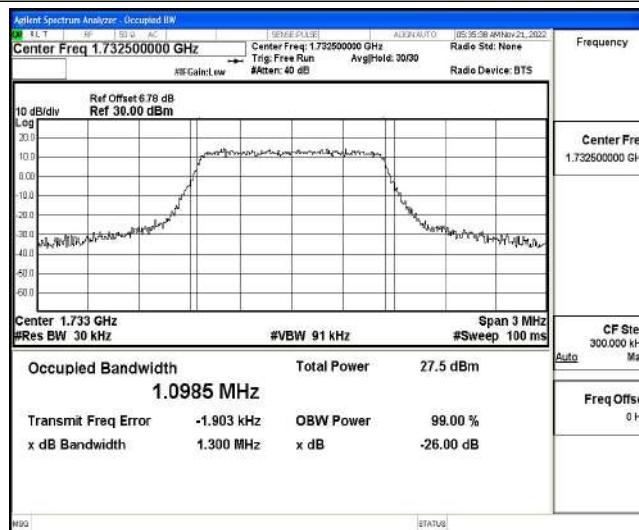




Band4-1.4MHz-16QAM-19957-6RB#0

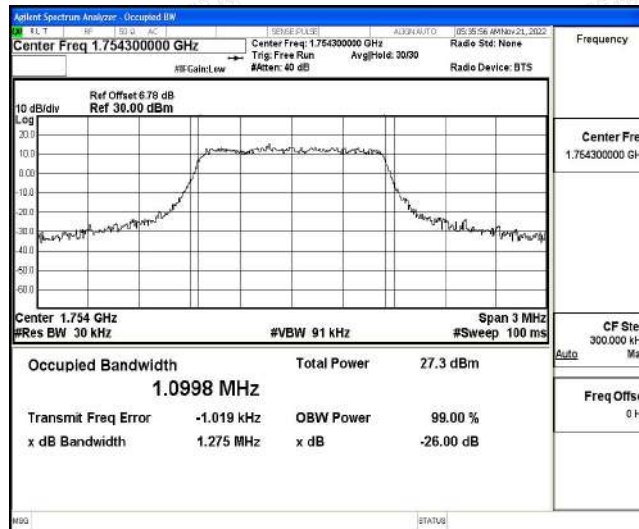


Band4-1.4MHz-16QAM-20175-6RB#0

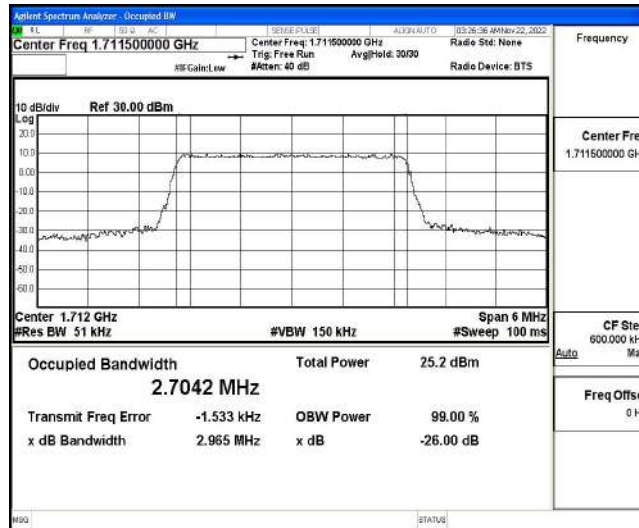


Band4-1.4MHz-16QAM-20393-6RB#0

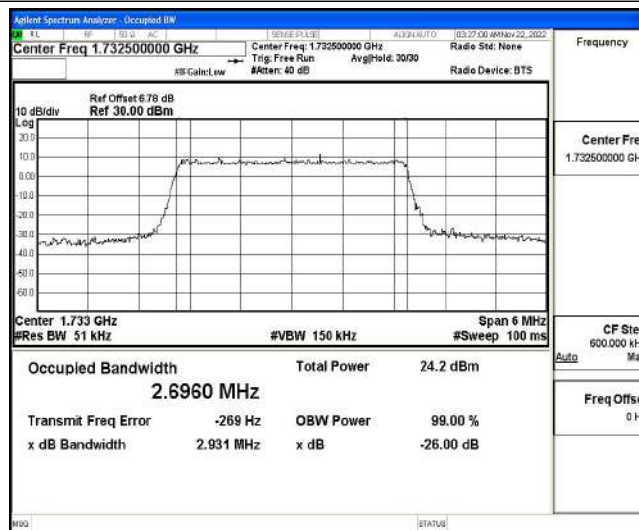




Band4-3MHz-QPSK-19965-15RB#0

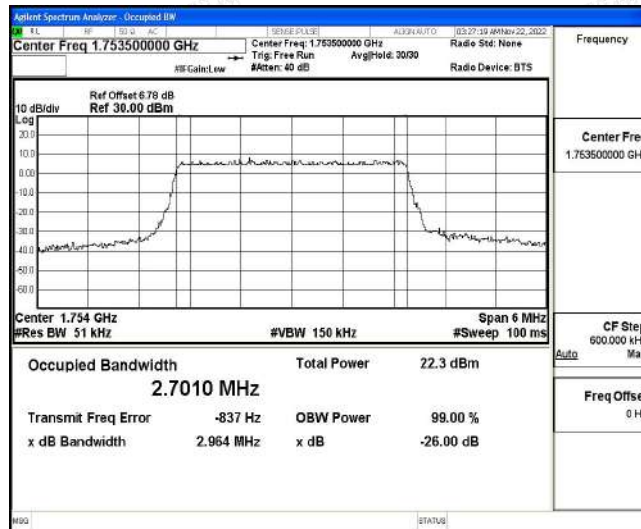


Band4-3MHz-QPSK-20175-15RB#0

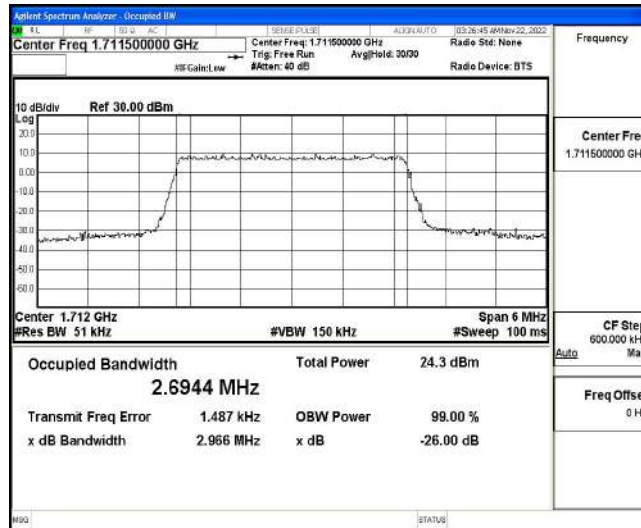


Band4-3MHz-QPSK-20385-15RB#0

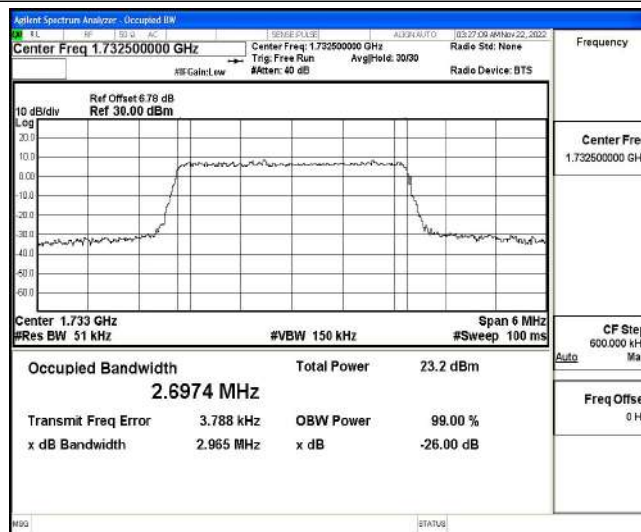




Band4-3MHz-16QAM-19965-15RB#0

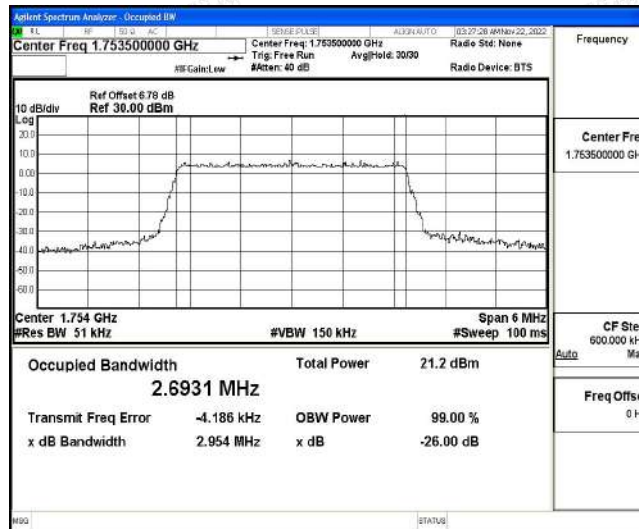


Band4-3MHz-16QAM-20175-15RB#0

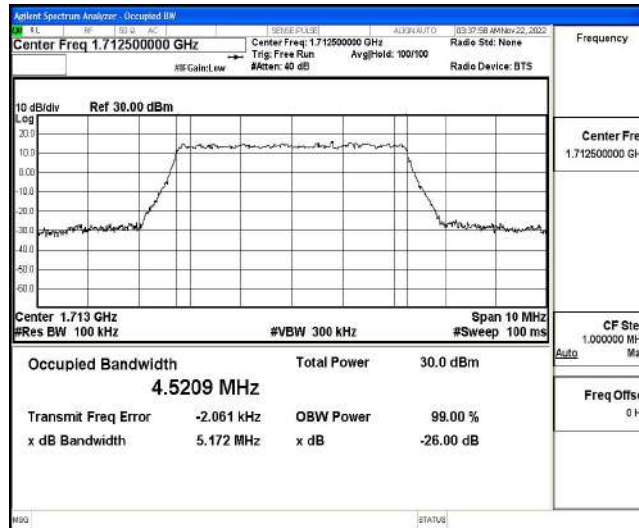


Band4-3MHz-16QAM-20385-15RB#0

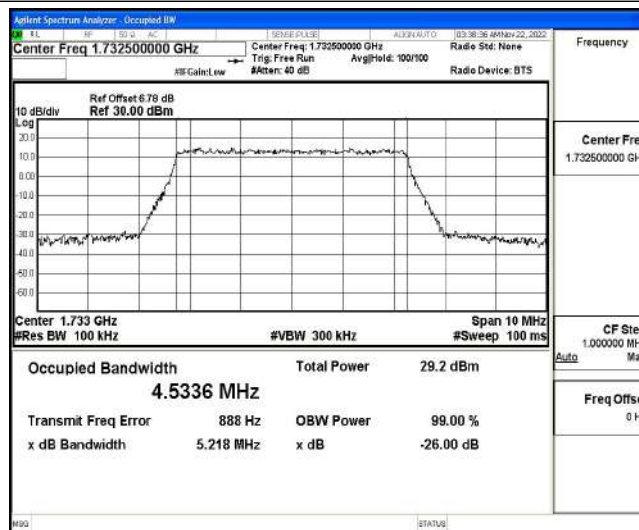




Band4-5MHz-QPSK-19975-25RB#0

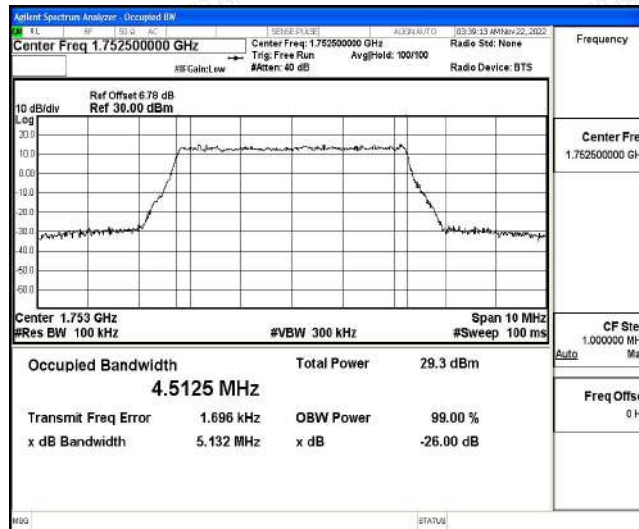


Band4-5MHz-QPSK-20175-25RB#0

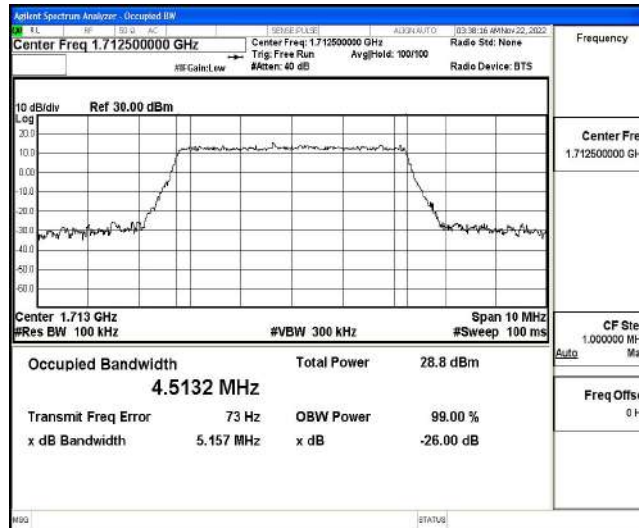


Band4-5MHz-QPSK-20375-25RB#0

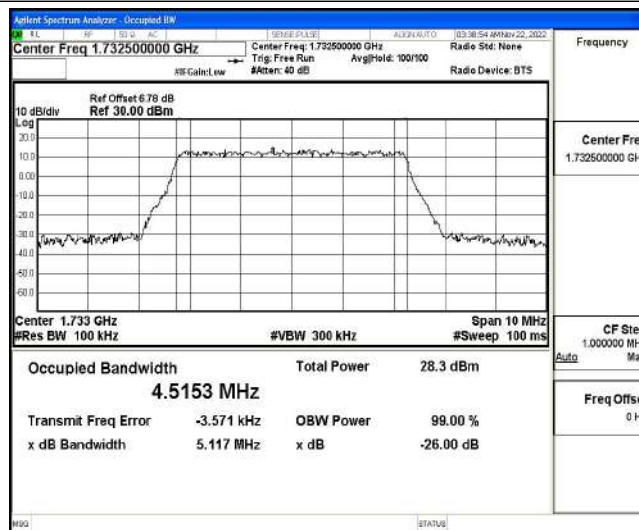




Band4-5MHz-16QAM-19975-25RB#0

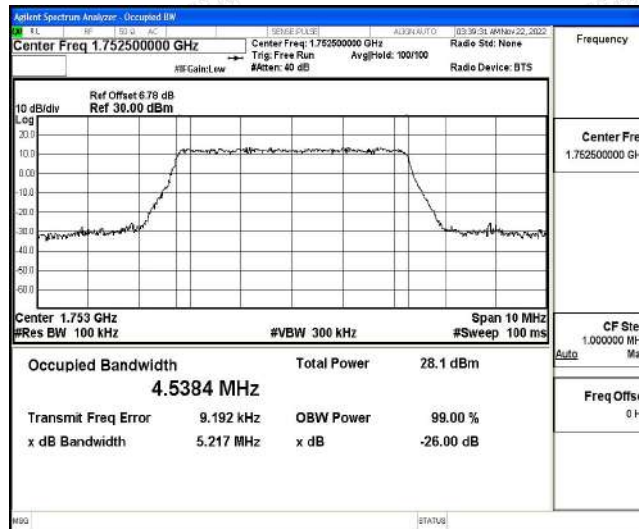


Band4-5MHz-16QAM-20175-25RB#0

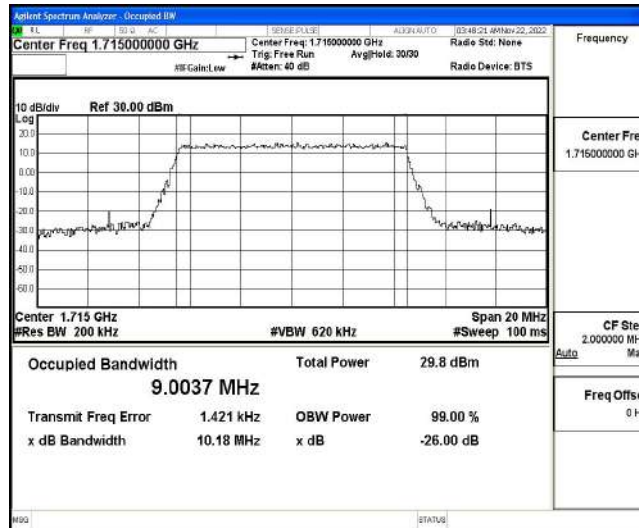


Band4-5MHz-16QAM-20375-25RB#0

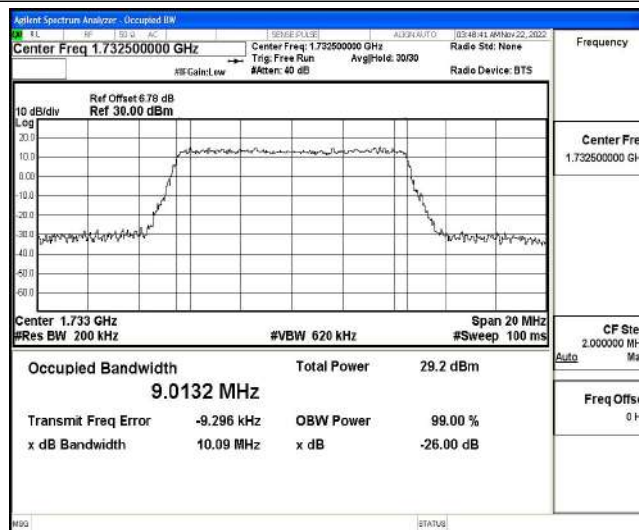




Band4-10MHz-QPSK-20000-50RB#0

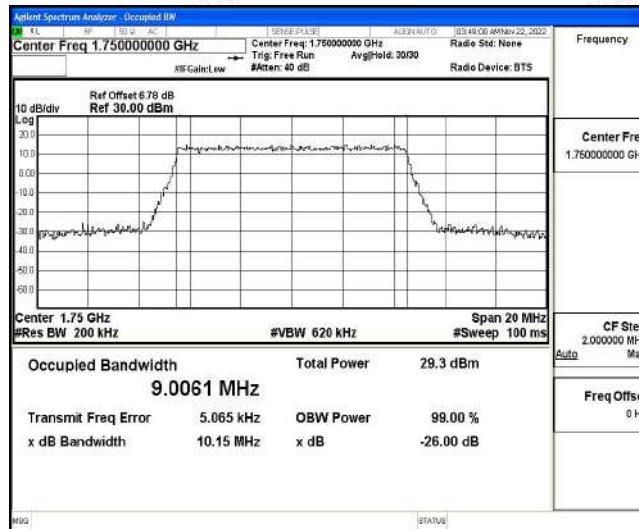


Band4-10MHz-QPSK-20175-50RB#0

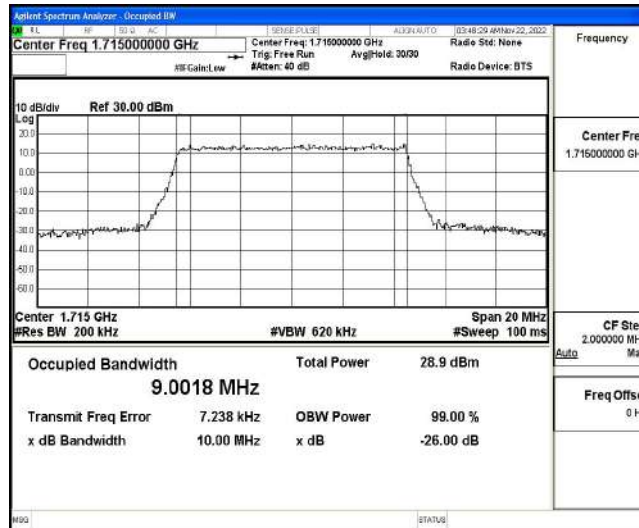


Band4-10MHz-QPSK-20350-50RB#0

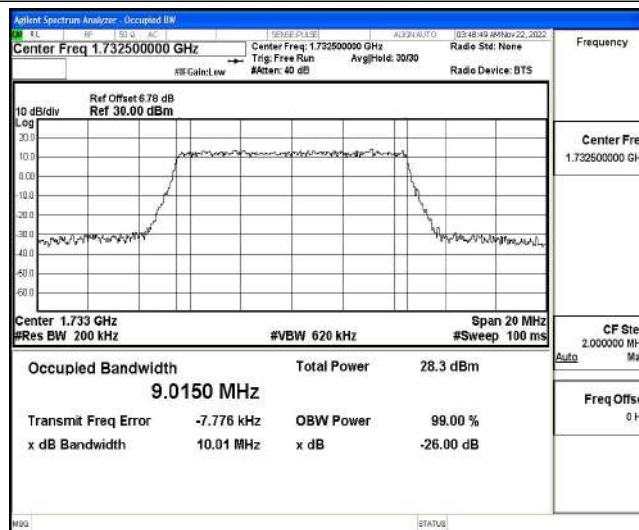




Band4-10MHz-16QAM-20000-50RB#0

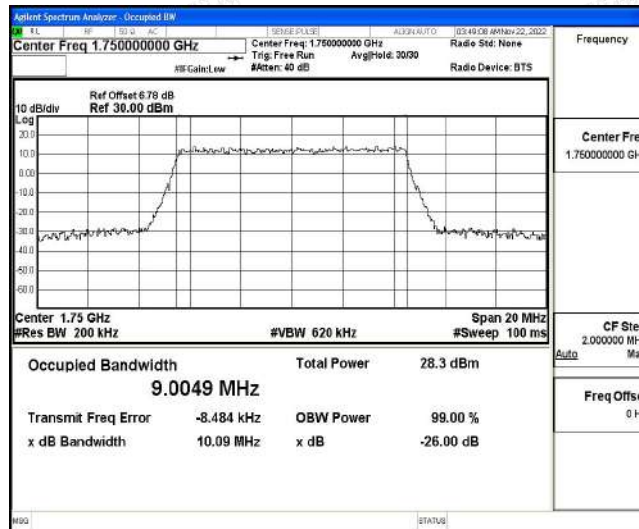


Band4-10MHz-16QAM-20175-50RB#0

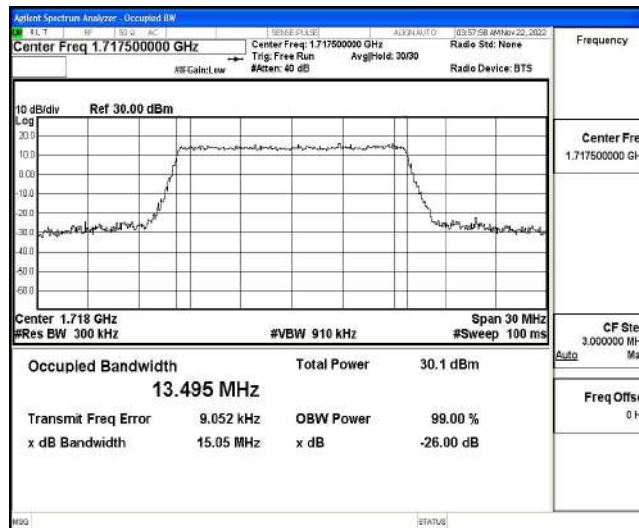


Band4-10MHz-16QAM-20350-50RB#0

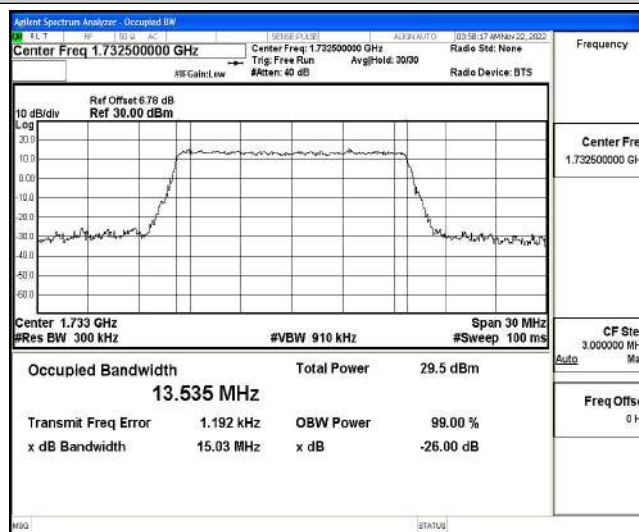




Band4-15MHz-QPSK-20025-75RB#0

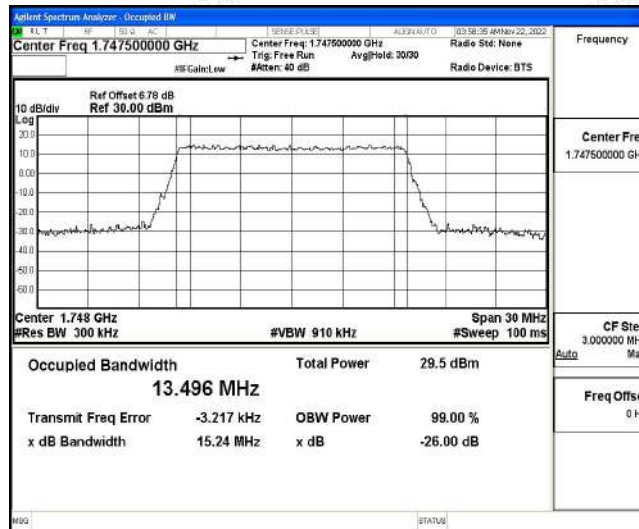


Band4-15MHz-QPSK-20175-75RB#0

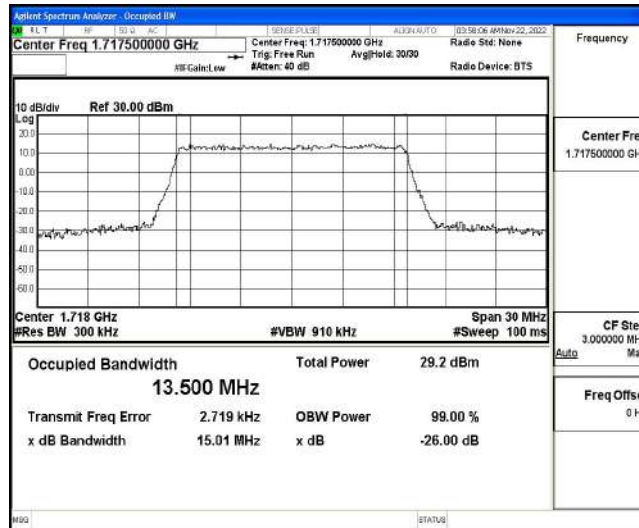


Band4-15MHz-QPSK-20325-75RB#0

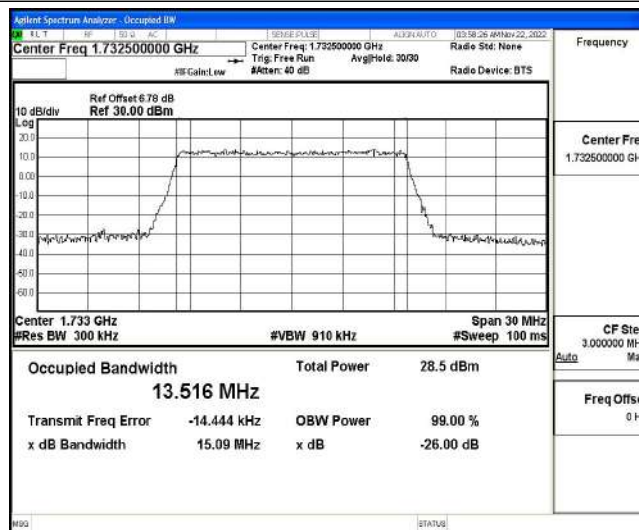




Band4-15MHz-16QAM-20025-75RB#0

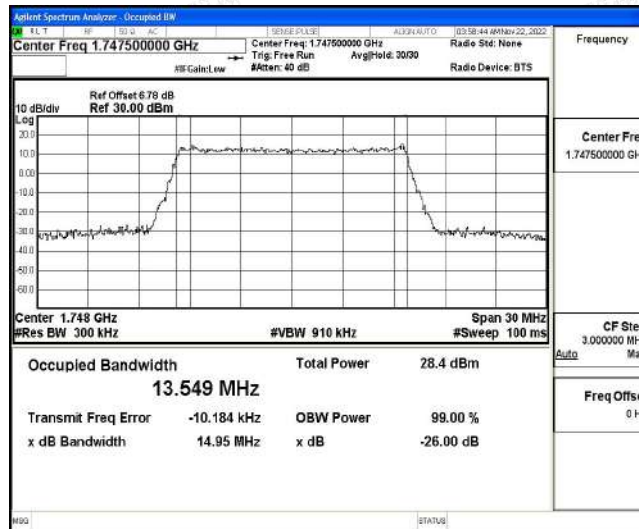


Band4-15MHz-16QAM-20175-75RB#0

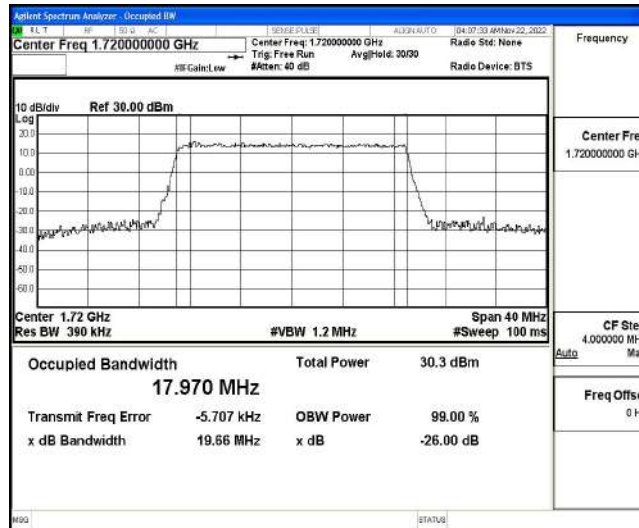


Band4-15MHz-16QAM-20325-75RB#0

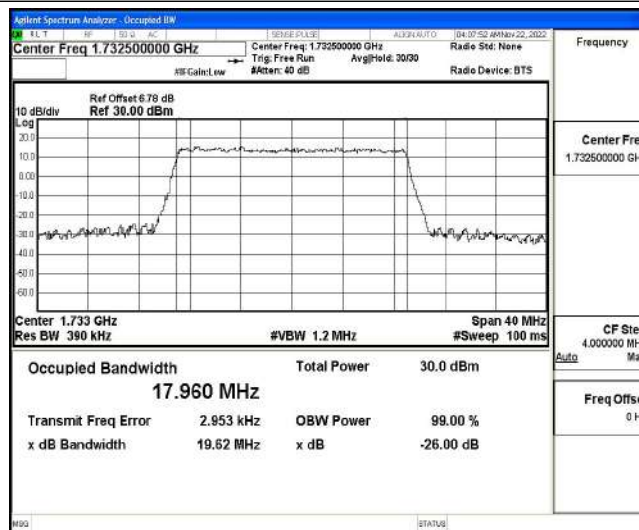




Band4-20MHz-QPSK-20050-100RB#0

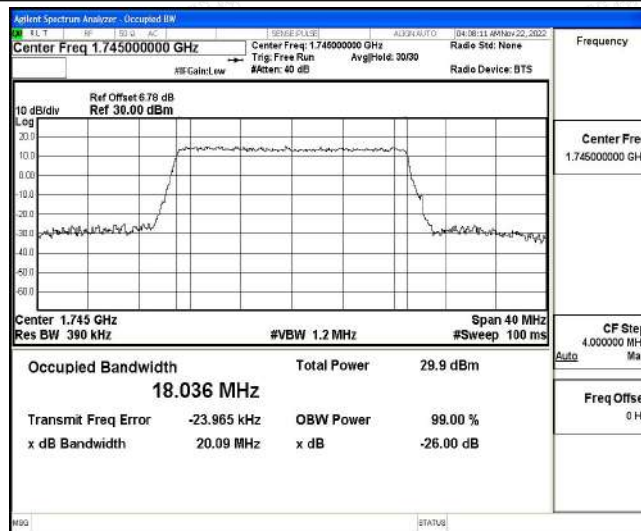


Band4-20MHz-QPSK-20175-100RB#0

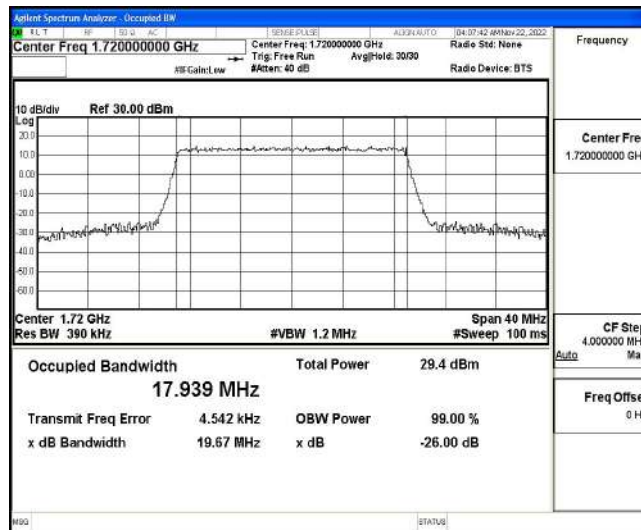


Band4-20MHz-QPSK-20300-100RB#0

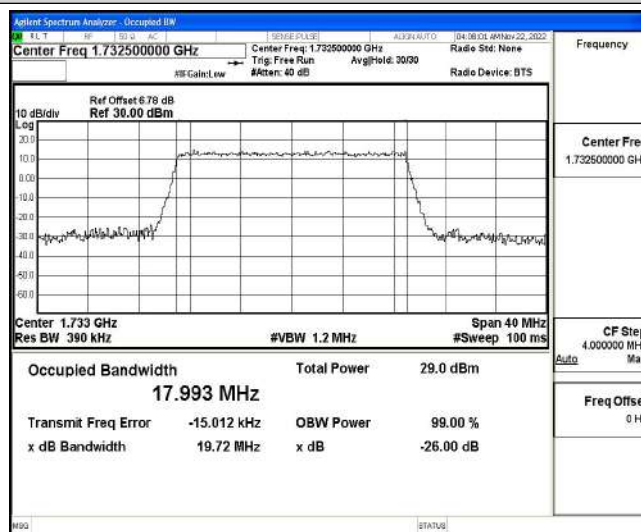




Band4-20MHz-16QAM-20050-100RB#0

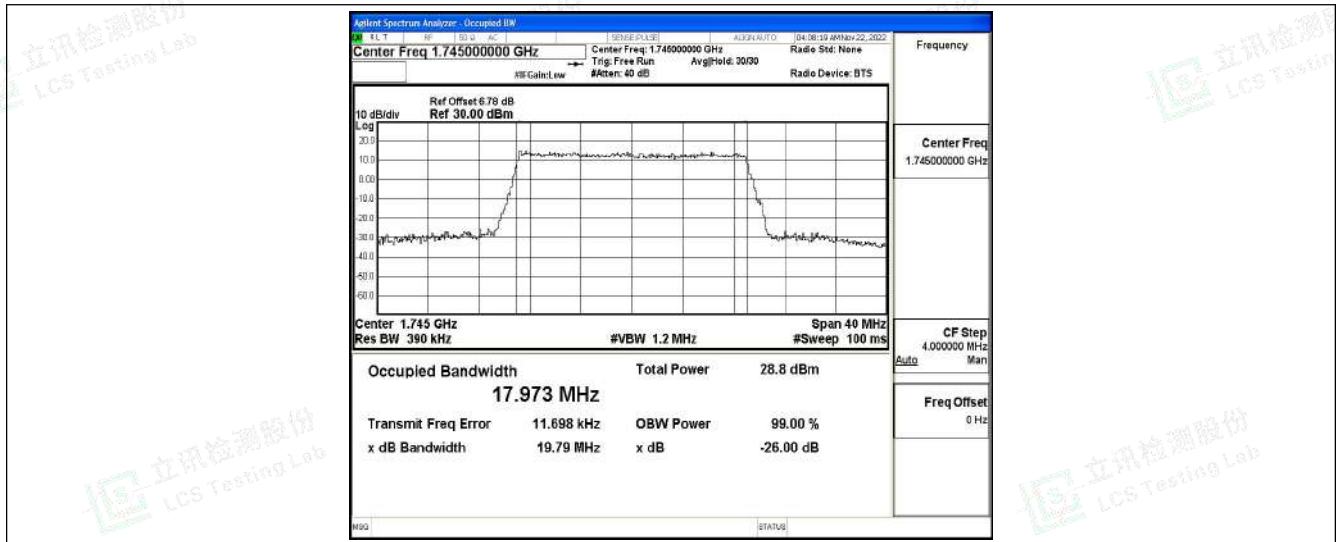


Band4-20MHz-16QAM-20175-100RB#0



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	-28.59	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-27.43	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-29.77	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-28.70	PASS
Band4	3MHz	QPSK	19965	15RB#0	-29.16	PASS
Band4	3MHz	QPSK	20385	15RB#0	-29.93	PASS
Band4	3MHz	16QAM	19965	15RB#0	-33.38	PASS
Band4	3MHz	16QAM	20385	15RB#0	-30.89	PASS
Band4	5MHz	QPSK	19975	25RB#0	-24.94	PASS
Band4	5MHz	QPSK	20375	25RB#0	-24.80	PASS
Band4	5MHz	16QAM	19975	25RB#0	-25.58	PASS
Band4	5MHz	16QAM	20375	25RB#0	-26.03	PASS
Band4	10MHz	QPSK	20000	50RB#0	-29.10	PASS
Band4	10MHz	QPSK	20350	50RB#0	-29.44	PASS
Band4	10MHz	16QAM	20000	50RB#0	-29.92	PASS
Band4	10MHz	16QAM	20350	50RB#0	-29.47	PASS
Band4	15MHz	QPSK	20025	75RB#0	-31.09	PASS
Band4	15MHz	QPSK	20325	75RB#0	-30.50	PASS
Band4	15MHz	16QAM	20025	75RB#0	-32.00	PASS
Band4	15MHz	16QAM	20325	75RB#0	-31.81	PASS
Band4	20MHz	QPSK	20050	100RB#0	-34.57	PASS
Band4	20MHz	QPSK	20300	100RB#0	-34.28	PASS
Band4	20MHz	16QAM	20050	100RB#0	-35.27	PASS
Band4	20MHz	16QAM	20300	100RB#0	-35.06	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

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

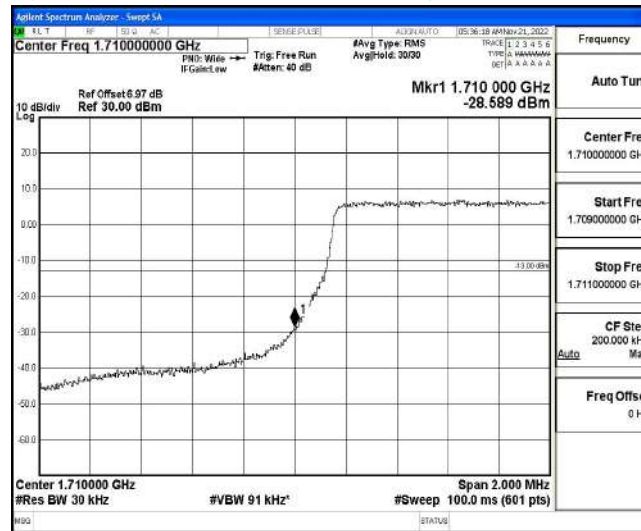
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

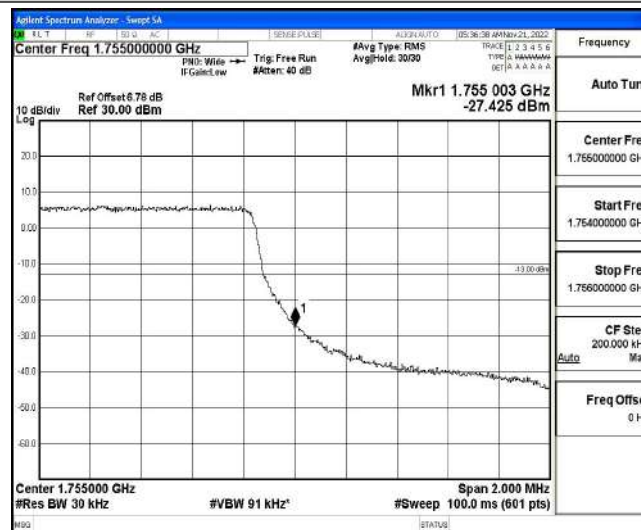


Test Graphs

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

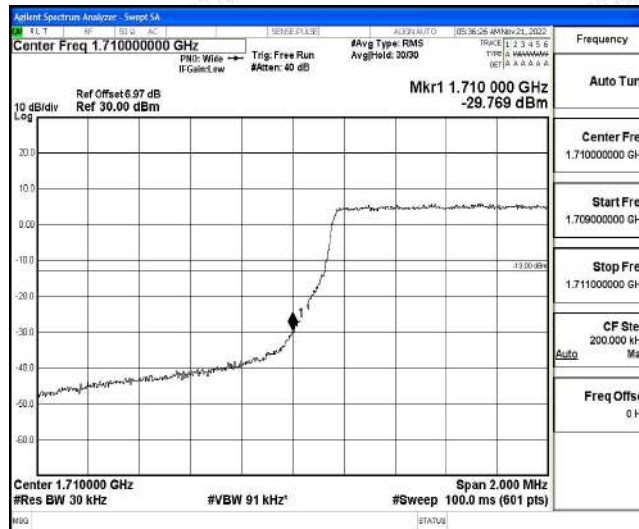


Band4-1.4MHz-QPSK-20393-6RB#0

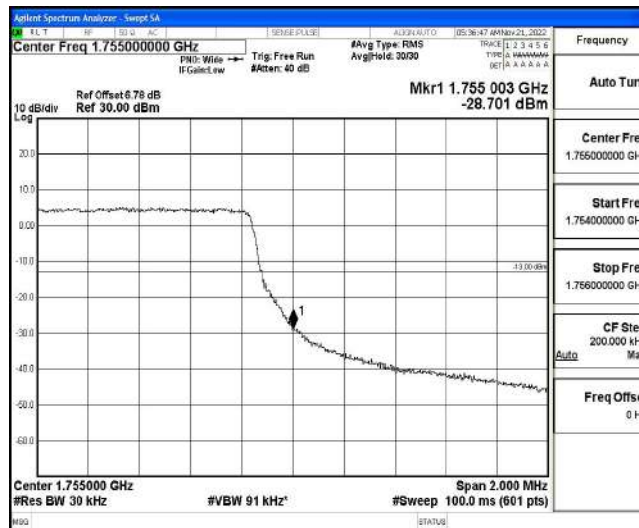


Band4-1.4MHz-16QAM-19957-6RB#0

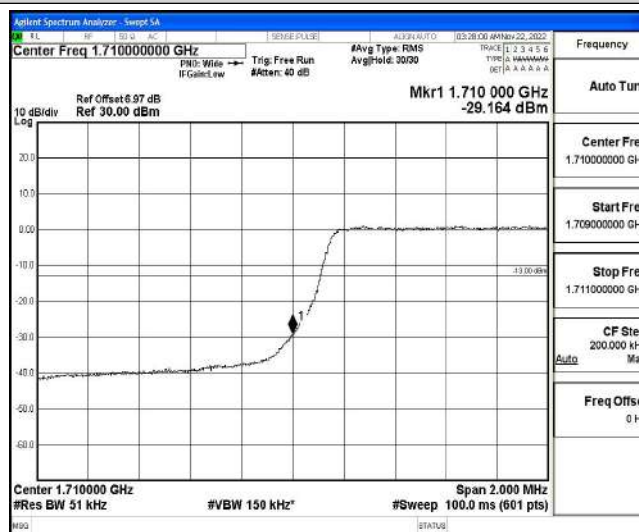




Band4-1.4MHz-16QAM-20393-6RB#0

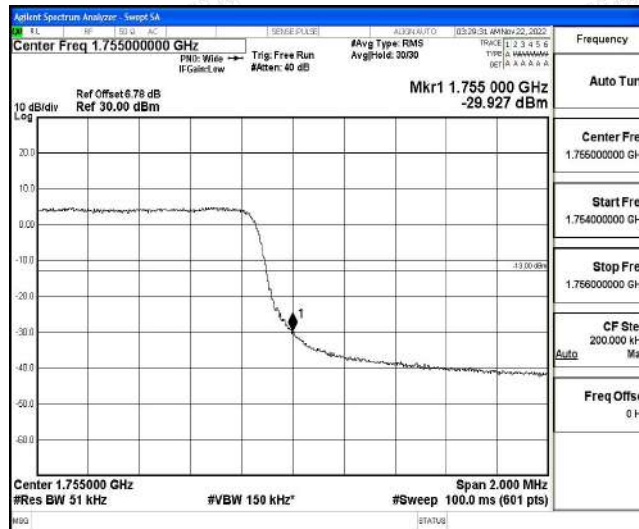


Band4-3MHz-QPSK-19965-15RB#0

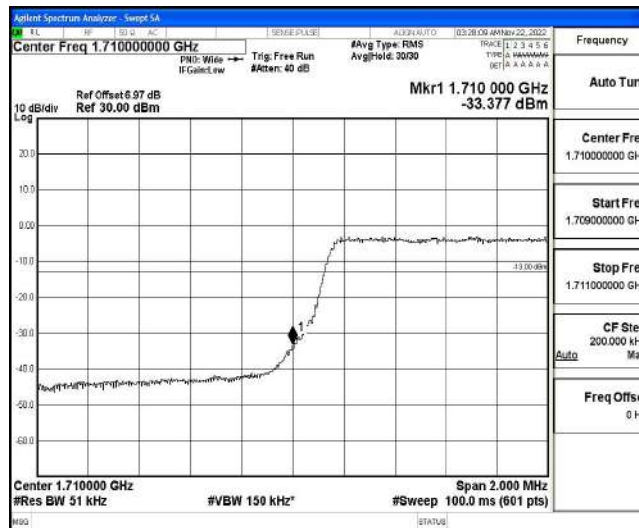


Band4-3MHz-QPSK-20385-15RB#0

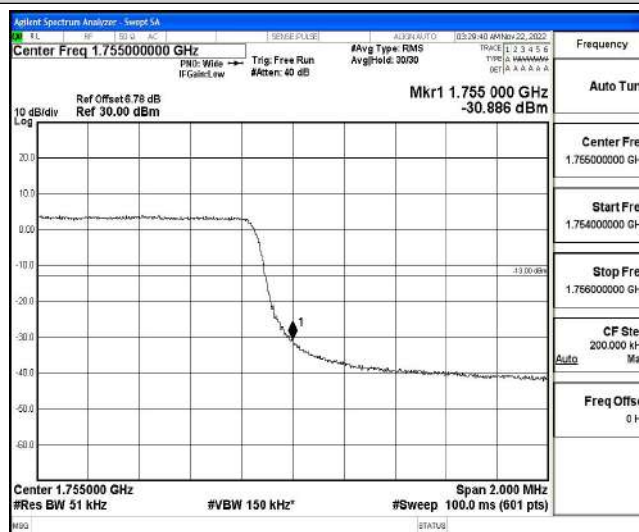




Band4-3MHz-16QAM-19965-15RB#0

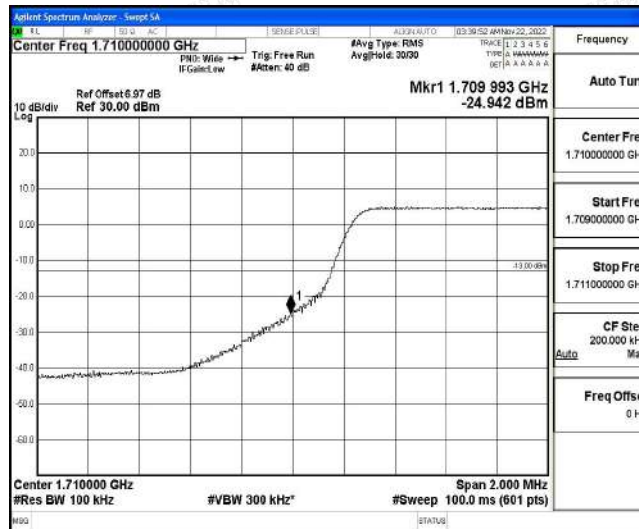


Band4-3MHz-16QAM-20385-15RB#0

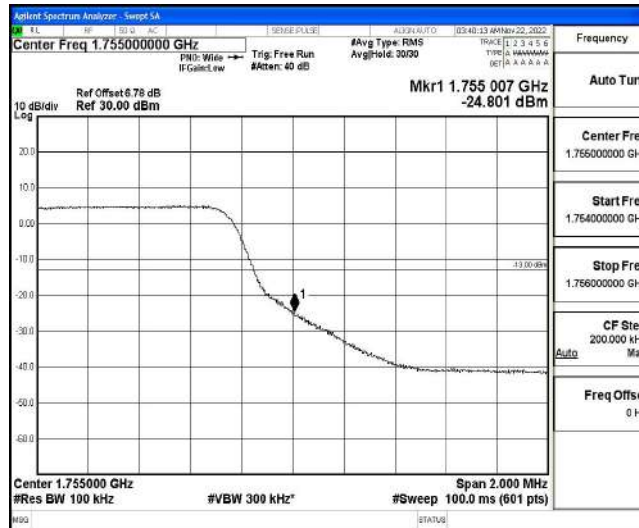


Band4-5MHz-QPSK-19975-25RB#0

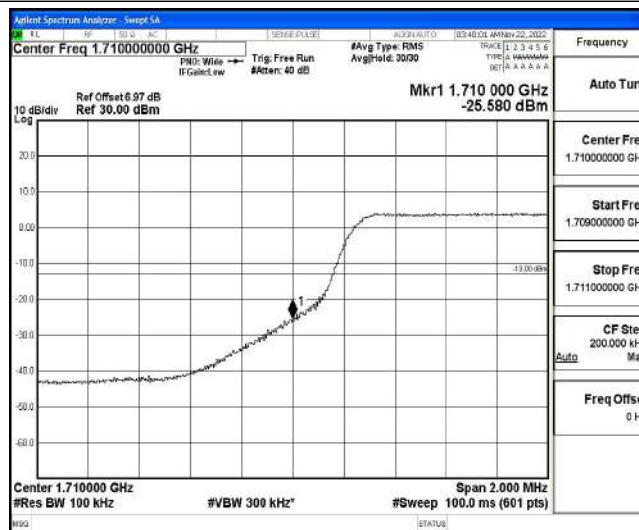




Band4-5MHz-QPSK-20375-25RB#0

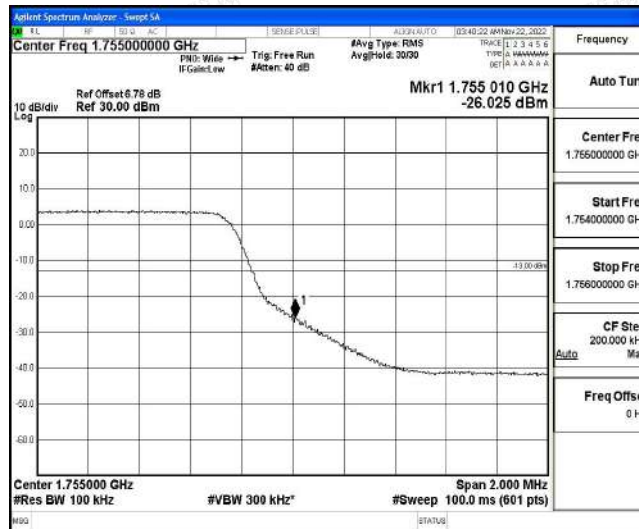


Band4-5MHz-16QAM-19975-25RB#0

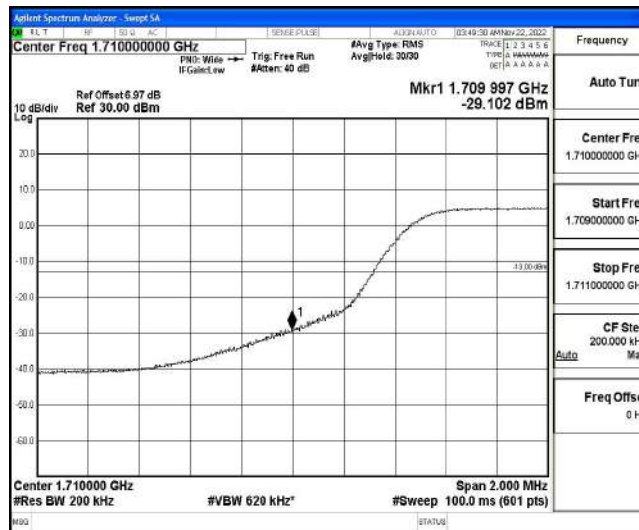


Band4-5MHz-16QAM-20375-25RB#0

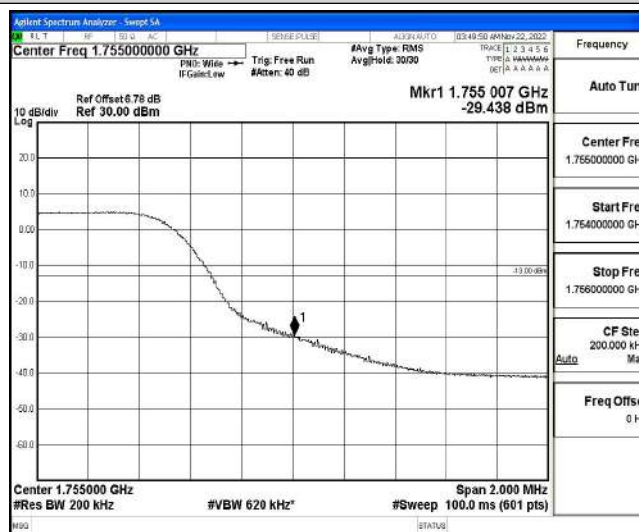




Band4-10MHz-QPSK-20000-50RB#0

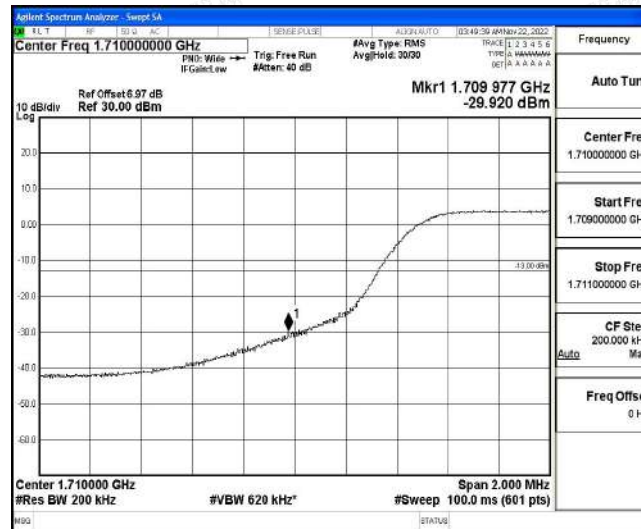


Band4-10MHz-QPSK-20350-50RB#0

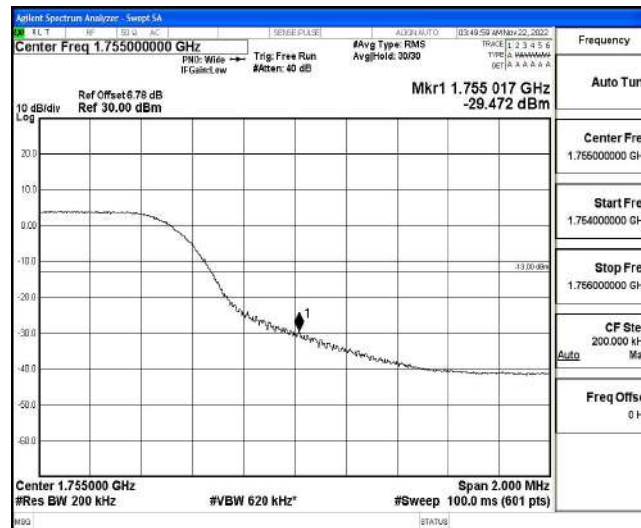


Band4-10MHz-16QAM-20000-50RB#0

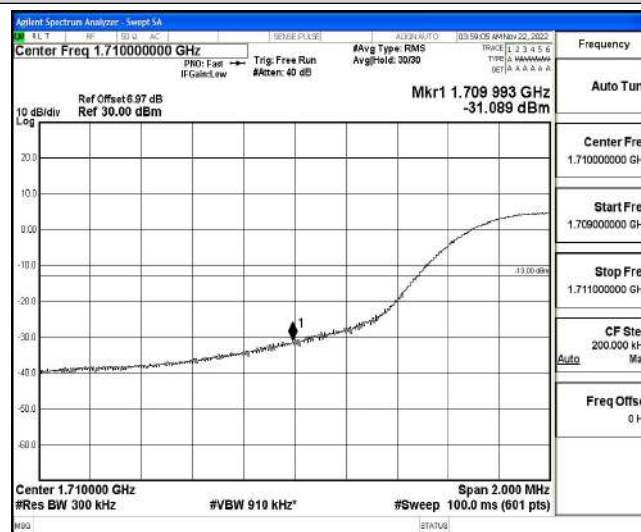




Band4-10MHz-16QAM-20350-50RB#0

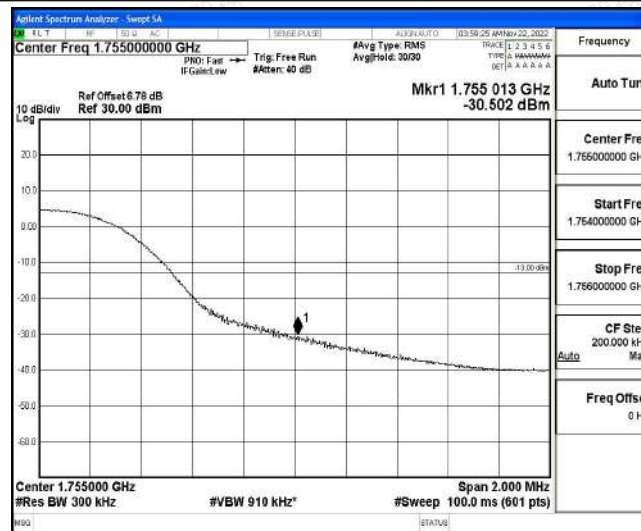


Band4-15MHz-QPSK-20025-75RB#0

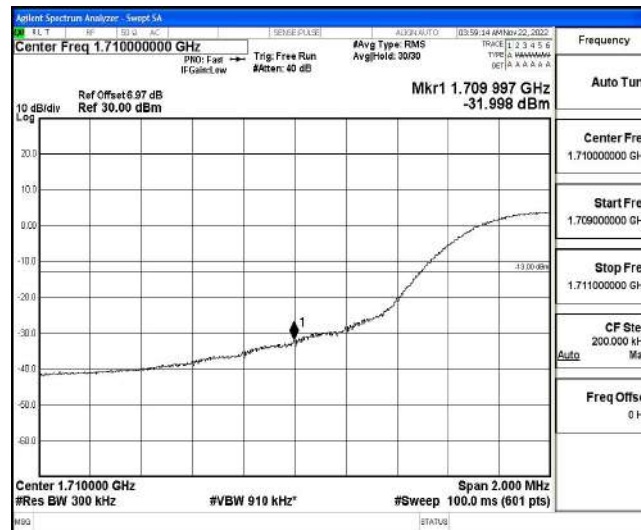


Band4-15MHz-QPSK-20325-75RB#0

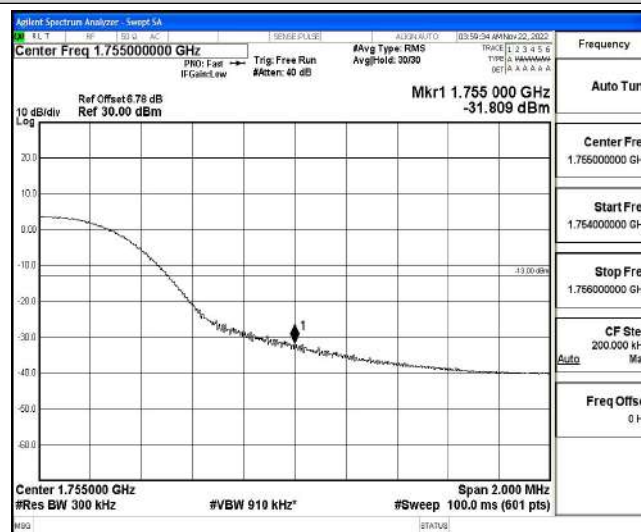




Band4-15MHz-16QAM-20025-75RB#0

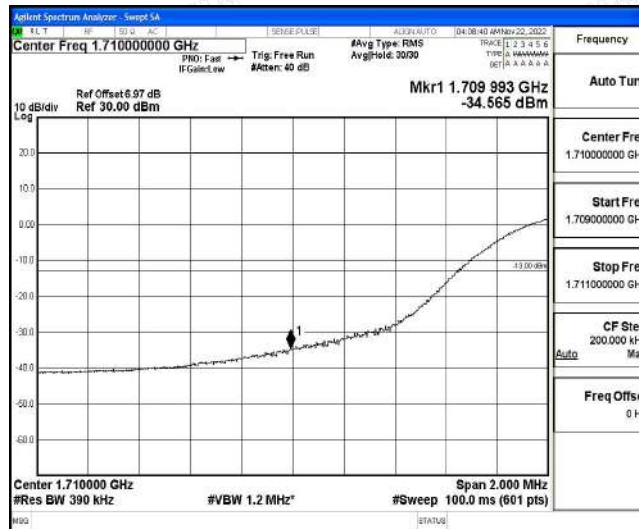


Band4-15MHz-16QAM-20325-75RB#0

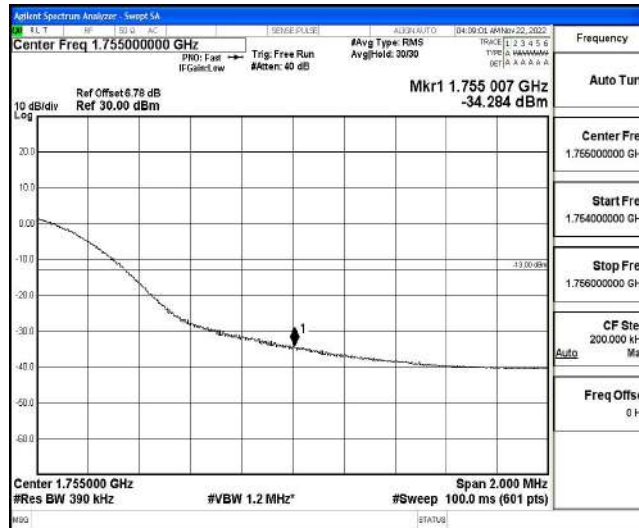


Band4-20MHz-QPSK-20050-100RB#0

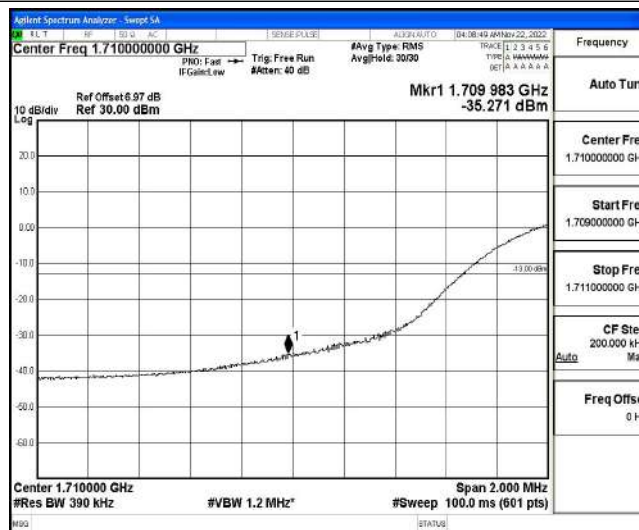




Band4-20MHz-QPSK-20300-100RB#0

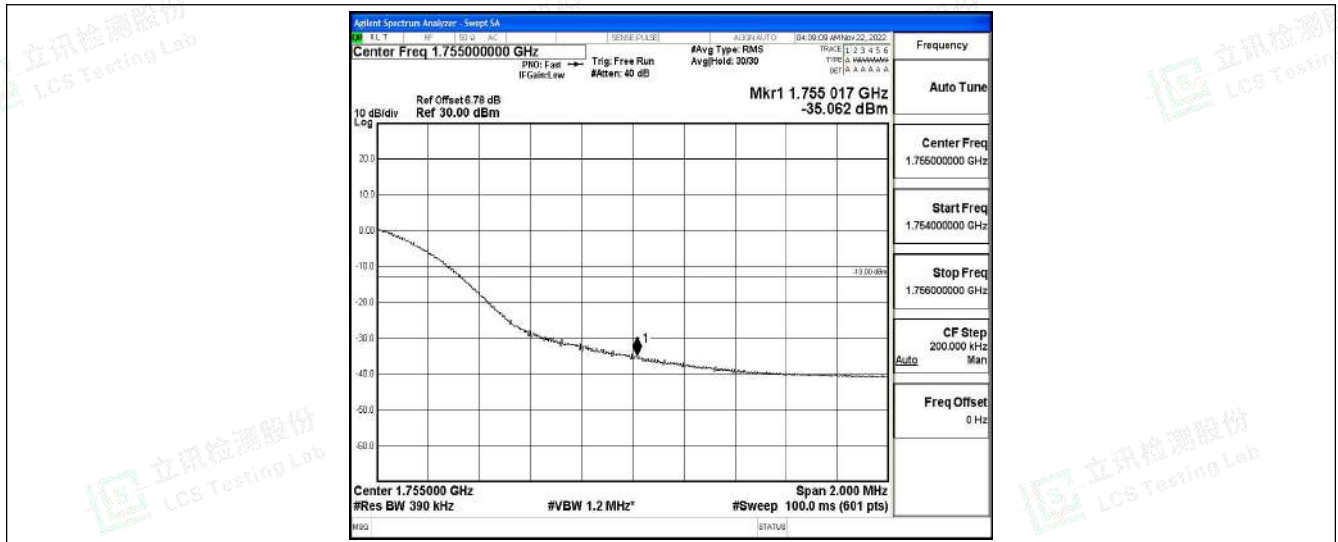


Band4-20MHz-16QAM-20050-100RB#0



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







E.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	Range1:0.009~0.15MHz	-53.9	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range2:0.15~30MHz	-50.74	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range3:30~1000MHz	-41.72	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range4:1000~10000MHz	-45.01	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range5:10000~20000MHz	-33.15	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range1:0.009~0.15MHz	-55.64	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range2:0.15~30MHz	-49.33	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range3:30~1000MHz	-41.85	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range4:1000~10000MHz	-44.88	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range5:10000~20000MHz	-33.22	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range1:0.009~0.15MHz	-56.53	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range2:0.15~30MHz	-51.09	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range3:30~1000MHz	-42.53	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range4:1000~10000MHz	-44.95	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range5:10000~20000MHz	-33.19	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range1:0.009~0.15MHz	-55.58	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range2:0.15~30MHz	-52.2	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range3:30~1000MHz	-41.67	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range4:1000~10000MHz	-45.05	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range5:10000~20000MHz	-33.13	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range1:0.009~0.15MHz	-55.71	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range2:0.15~30MHz	-50.22	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range3:30~1000MHz	-42.03	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range4:1000~10000MHz	-45.01	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range5:10000~20000MHz	-33.03	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range1:0.009~0.15MHz	-54.62	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range2:0.15~30MHz	-51.99	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range3:30~1000MHz	-41.86	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range4:1000~10000MHz	-45.02	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range5:10000~20000MHz	-33.15	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range1:0.009~0.15MHz	-53.49	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range2:0.15~30MHz	-50.88	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range3:30~1000MHz	-40.9	PASS





Band4	3MHz	QPSK	19965	1RB#0	Range4:1000~10000MHz	-44.94	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range5:10000~20000MHz	-33.25	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range1:0.009~0.15MHz	-56.32	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range2:0.15~30MHz	-52.92	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range3:30~1000MHz	-41.73	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range4:1000~10000MHz	-45.02	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range5:10000~20000MHz	-33.27	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range1:0.009~0.15MHz	-55.98	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range2:0.15~30MHz	-52.36	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range3:30~1000MHz	-40.8	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range4:1000~10000MHz	-44.81	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range5:10000~20000MHz	-33.15	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range1:0.009~0.15MHz	-55.48	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range2:0.15~30MHz	-51.13	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range3:30~1000MHz	-41.6	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range4:1000~10000MHz	-45.01	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range5:10000~20000MHz	-33.08	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range1:0.009~0.15MHz	-54.51	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range2:0.15~30MHz	-51.04	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range3:30~1000MHz	-41.88	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range4:1000~10000MHz	-44.96	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range5:10000~20000MHz	-33.18	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range1:0.009~0.15MHz	-54.31	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range2:0.15~30MHz	-52.59	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range3:30~1000MHz	-41.06	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range4:1000~10000MHz	-45.09	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range5:10000~20000MHz	-33.11	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range1:0.009~0.15MHz	-53.84	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range2:0.15~30MHz	-51.58	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range3:30~1000MHz	-42.22	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range4:1000~10000MHz	-44.99	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range5:10000~20000MHz	-33.05	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range1:0.009~0.15MHz	-54.68	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range2:0.15~30MHz	-51.71	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range3:30~1000MHz	-42.79	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range4:1000~10000MHz	-44.94	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range5:10000~20000MHz	-33.08	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range1:0.009~0.15MHz	-57.53	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range2:0.15~30MHz	-52.07	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range3:30~1000MHz	-41.06	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 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	5MHz	QPSK	20375	1RB#0	Range4:1000~10000MHz	-44.93	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range5:10000~20000MHz	-33.16	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range1:0.009~0.15MHz	-53.71	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range2:0.15~30MHz	-51.81	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range3:30~1000MHz	-42.27	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range4:1000~10000MHz	-44.98	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range5:10000~20000MHz	-33.1	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range1:0.009~0.15MHz	-55.33	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range2:0.15~30MHz	-51.02	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range3:30~1000MHz	-42.22	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range4:1000~10000MHz	-44.92	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range5:10000~20000MHz	-33.11	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range1:0.009~0.15MHz	-54.54	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range2:0.15~30MHz	-51.53	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range3:30~1000MHz	-42.28	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range4:1000~10000MHz	-44.67	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range5:10000~20000MHz	-33.13	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range1:0.009~0.15MHz	-53.66	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range2:0.15~30MHz	-51.85	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range3:30~1000MHz	-41.77	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range4:1000~10000MHz	-45.05	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range5:10000~20000MHz	-33.19	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range1:0.009~0.15MHz	-54.11	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range2:0.15~30MHz	-50.52	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range3:30~1000MHz	-42.6	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range4:1000~10000MHz	-44.91	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range5:10000~20000MHz	-33.19	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range1:0.009~0.15MHz	-55.4	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range2:0.15~30MHz	-51.43	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range3:30~1000MHz	-42.48	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range4:1000~10000MHz	-44.88	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range5:10000~20000MHz	-33.21	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range1:0.009~0.15MHz	-55.43	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range2:0.15~30MHz	-52.85	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range3:30~1000MHz	-41.66	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range4:1000~10000MHz	-44.94	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range5:10000~20000MHz	-33.09	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range1:0.009~0.15MHz	-55.23	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range2:0.15~30MHz	-48.84	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range3:30~1000MHz	-40.14	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 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	16QAM	20175	1RB#0	Range4:1000~10000MHz	-44.95	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range5:10000~20000MHz	-33.04	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range1:0.009~0.15MHz	-55.53	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range2:0.15~30MHz	-50.25	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range3:30~1000MHz	-41.65	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range4:1000~10000MHz	-44.9	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range5:10000~20000MHz	-33.17	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range1:0.009~0.15MHz	-55.35	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range2:0.15~30MHz	-50.51	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range3:30~1000MHz	-42.32	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range4:1000~10000MHz	-44.95	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range5:10000~20000MHz	-33.18	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range1:0.009~0.15MHz	-55.73	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range2:0.15~30MHz	-51.81	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range3:30~1000MHz	-39.95	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range4:1000~10000MHz	-44.85	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range5:10000~20000MHz	-33.13	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range1:0.009~0.15MHz	-53.79	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range2:0.15~30MHz	-51.23	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range3:30~1000MHz	-41.13	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range4:1000~10000MHz	-45	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range5:10000~20000MHz	-33.15	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range1:0.009~0.15MHz	-54.68	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range2:0.15~30MHz	-50.76	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range3:30~1000MHz	-40.92	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range4:1000~10000MHz	-45.02	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range5:10000~20000MHz	-33.06	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range1:0.009~0.15MHz	-56.66	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range2:0.15~30MHz	-51.51	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range3:30~1000MHz	-41.72	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range4:1000~10000MHz	-44.9	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range5:10000~20000MHz	-33.19	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range1:0.009~0.15MHz	-54.77	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range2:0.15~30MHz	-50.2	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range3:30~1000MHz	-41.46	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range4:1000~10000MHz	-44.86	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range5:10000~20000MHz	-33.18	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range1:0.009~0.15MHz	-55.2	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range2:0.15~30MHz	-50.73	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range3:30~1000MHz	-41.93	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

Add: 101, 201 Bldg A & 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



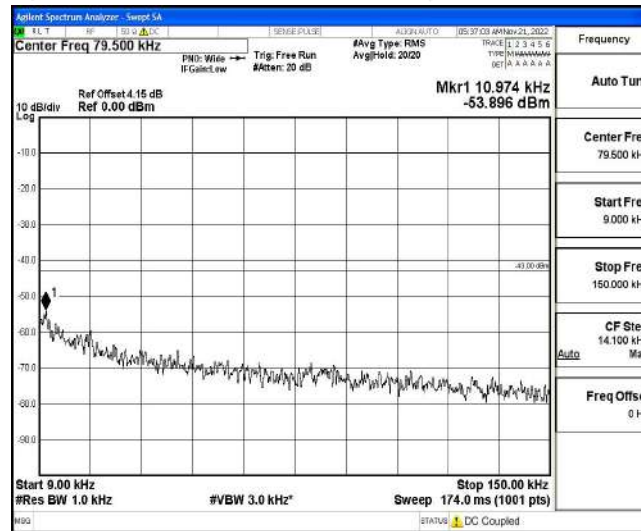
Band4	20MHz	QPSK	20050	1RB#0	Range4:1000~10000MHz	-44.86	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range5:10000~20000MHz	-32.99	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range1:0.009~0.15MHz	-55.15	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range2:0.15~30MHz	-50.12	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range3:30~1000MHz	-41.12	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range4:1000~10000MHz	-44.95	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range5:10000~20000MHz	-33.13	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range1:0.009~0.15MHz	-54.55	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range2:0.15~30MHz	-50.18	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range3:30~1000MHz	-42.22	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range4:1000~10000MHz	-44.85	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range5:10000~20000MHz	-33.08	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range1:0.009~0.15MHz	-56.15	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range2:0.15~30MHz	-50.36	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range3:30~1000MHz	-41.43	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range4:1000~10000MHz	-44.99	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range5:10000~20000MHz	-33.03	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range1:0.009~0.15MHz	-55.94	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range2:0.15~30MHz	-50.27	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range3:30~1000MHz	-41.85	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range4:1000~10000MHz	-44.98	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range5:10000~20000MHz	-33.1	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range1:0.009~0.15MHz	-56.14	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range2:0.15~30MHz	-50.73	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range3:30~1000MHz	-42.16	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range4:1000~10000MHz	-44.75	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range5:10000~20000MHz	-33.1	PASS



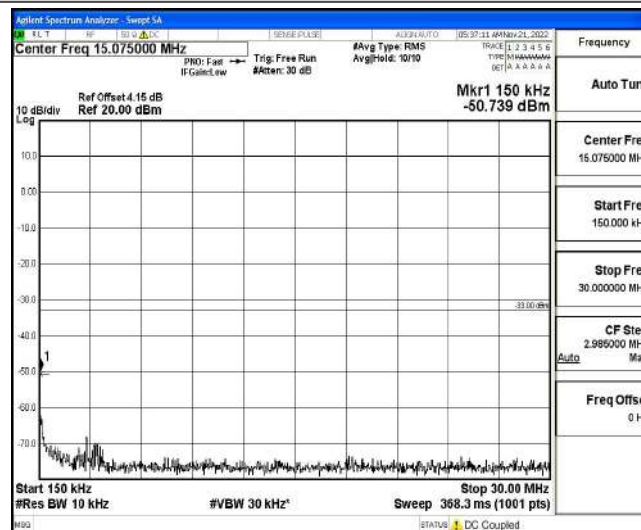


Test Graphs

Band4-1.4MHz-QPSK-19957-1RB#0-Range1:0.009~0.15MHz

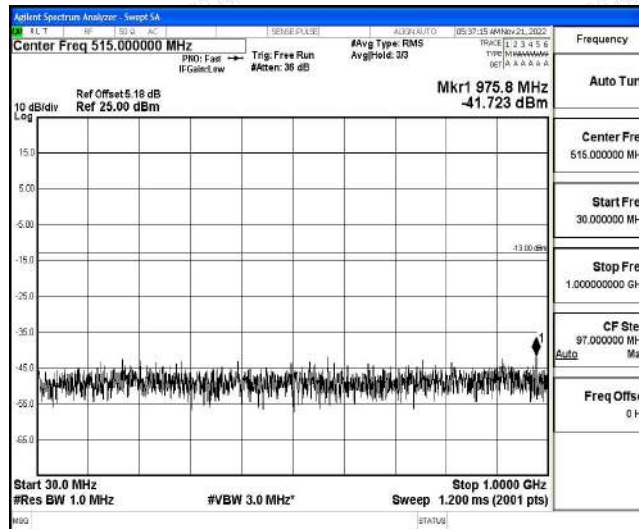


Band4-1.4MHz-QPSK-19957-1RB#0-Range2:0.15~30MHz

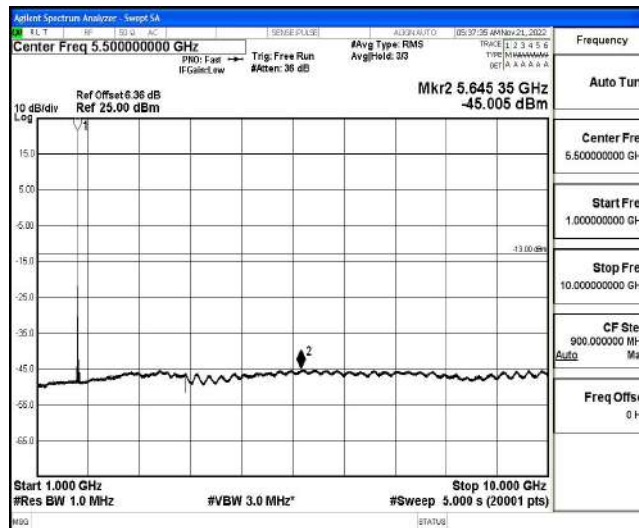


Band4-1.4MHz-QPSK-19957-1RB#0-Range3:30~1000MHz

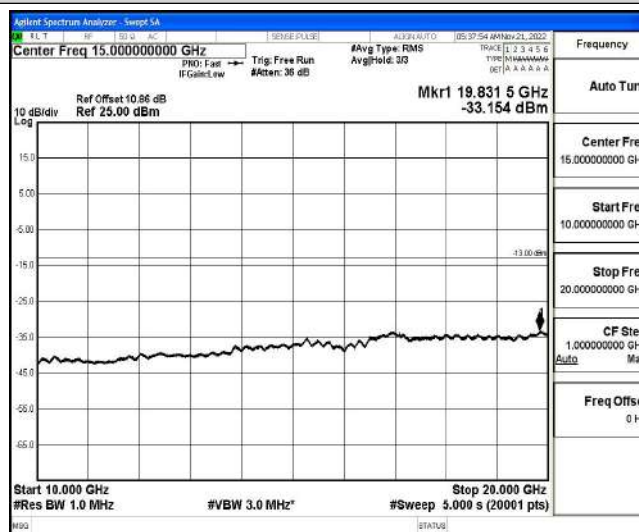




Band4-1.4MHz-QPSK-19957-1RB#0-Range4:1000~10000MHz

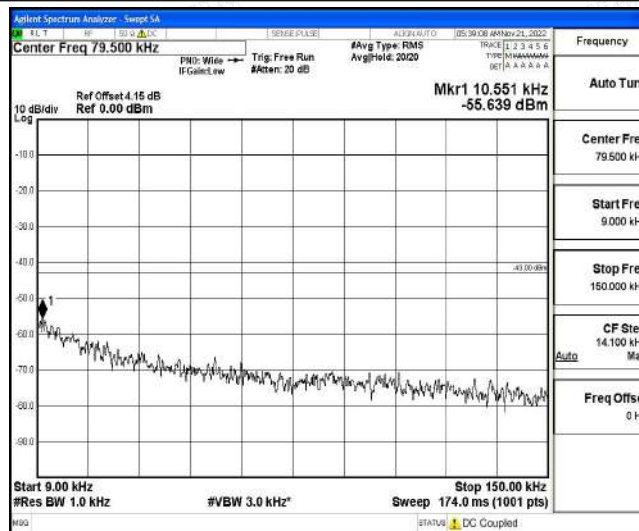


Band4-1.4MHz-QPSK-19957-1RB#0-Range5:10000~20000MHz

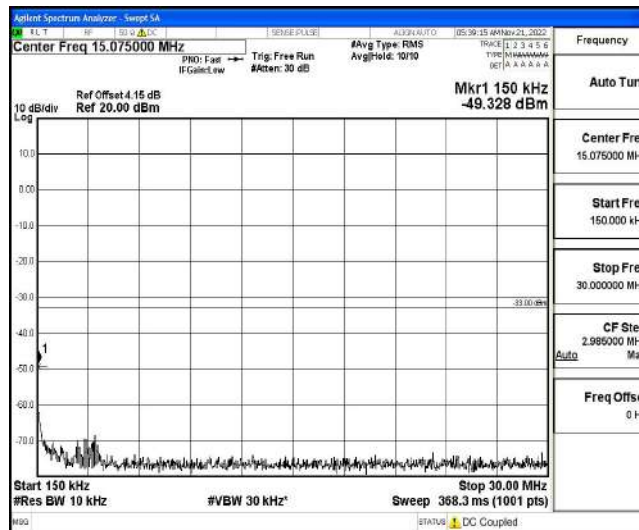


Band4-1.4MHz-QPSK-20175-1RB#0-Range1:0.009~0.15MHz

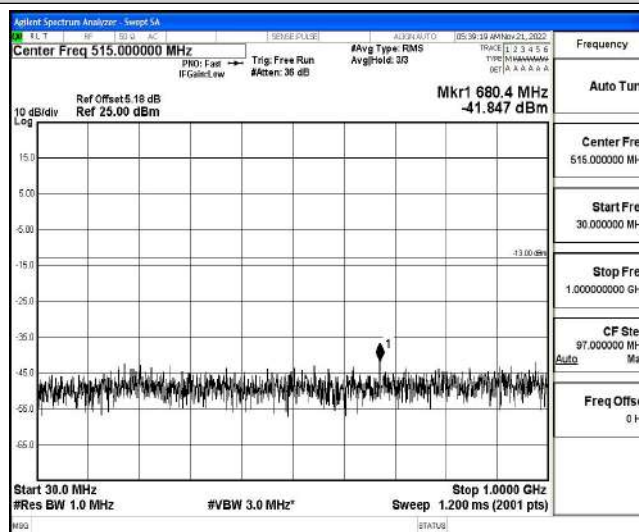




Band4-1.4MHz-QPSK-20175-1RB#0-Range2:0.15~30MHz

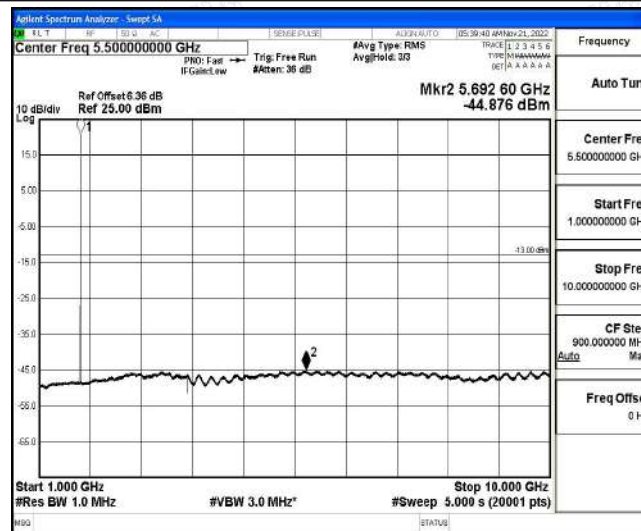


Band4-1.4MHz-QPSK-20175-1RB#0-Range3:30~1000MHz

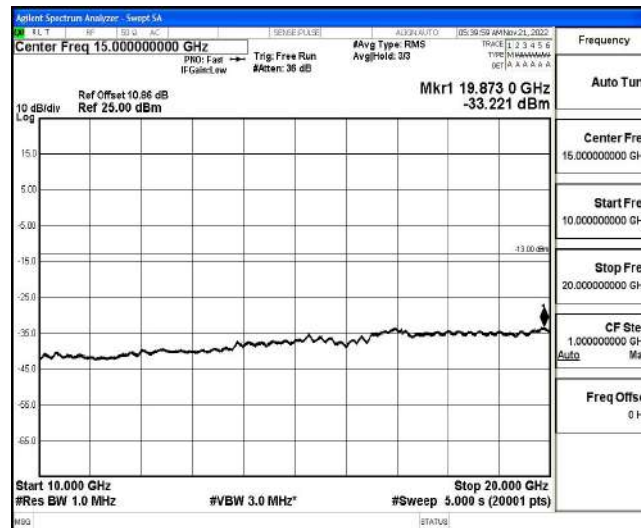


Band4-1.4MHz-QPSK-20175-1RB#0-Range4:1000~10000MHz

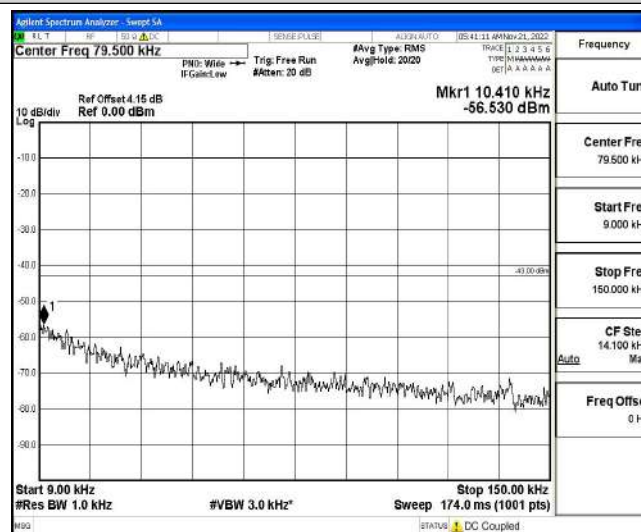




Band4-1.4MHz-QPSK-20175-1RB#0-Range5:10000~20000MHz

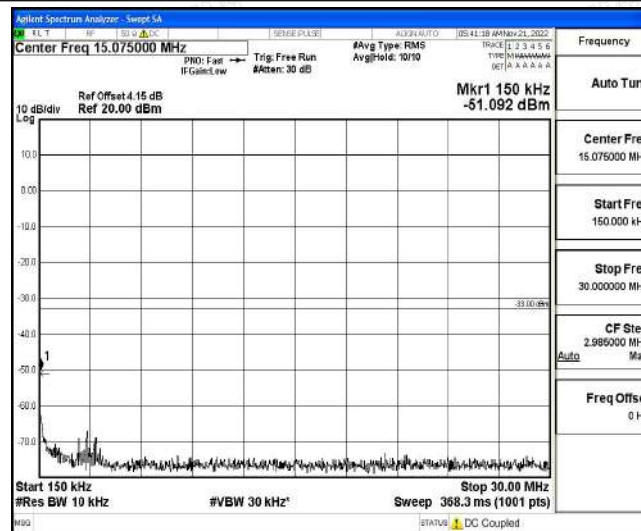


Band4-1.4MHz-QPSK-20393-1RB#0-Range1:0.009~0.15MHz

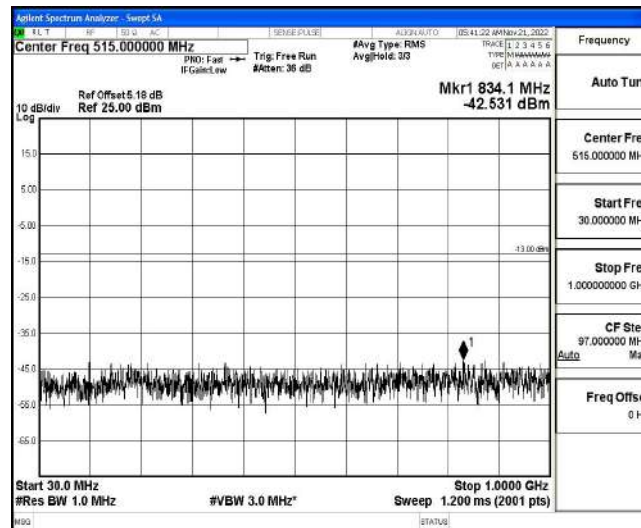


Band4-1.4MHz-QPSK-20393-1RB#0-Range2:0.15~30MHz

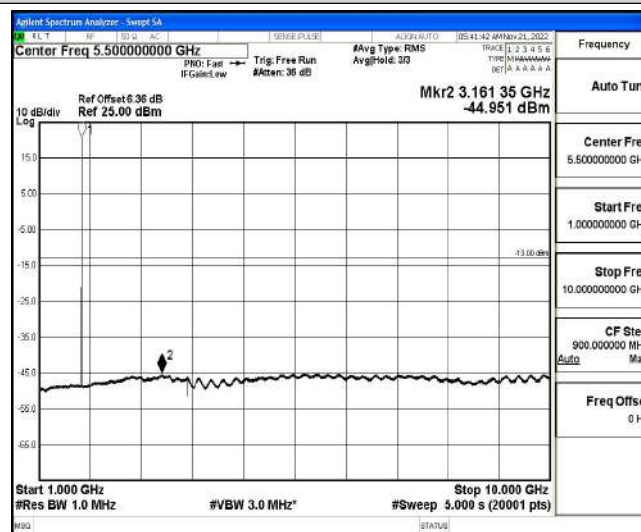




Band4-1.4MHz-QPSK-20393-1RB#0-Range3:30~1000MHz

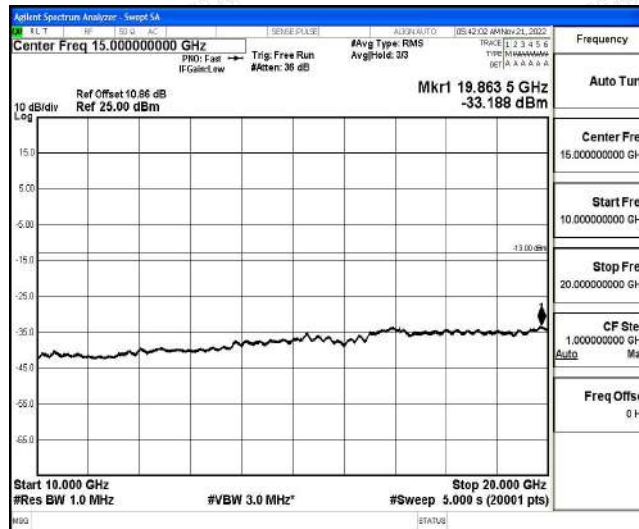


Band4-1.4MHz-QPSK-20393-1RB#0-Range4:1000~10000MHz

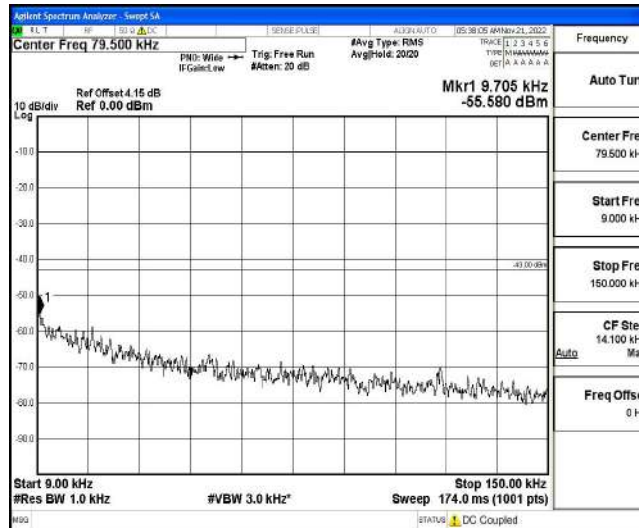


Band4-1.4MHz-QPSK-20393-1RB#0-Range5:10000~20000MHz

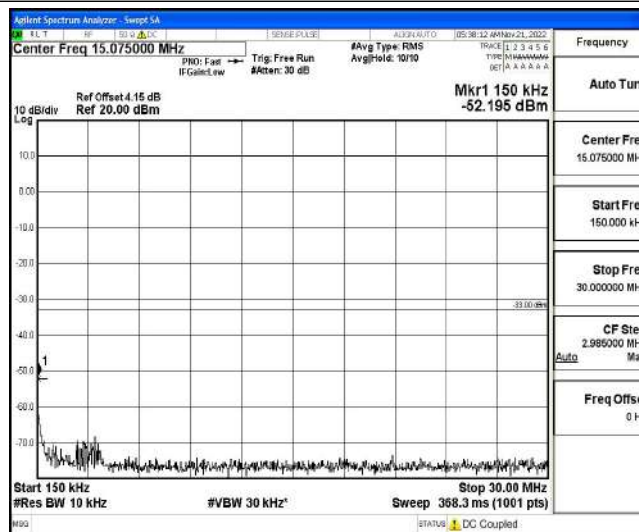




Band4-1.4MHz-16QAM-19957-1RB#0-Range1:0.009~0.15MHz

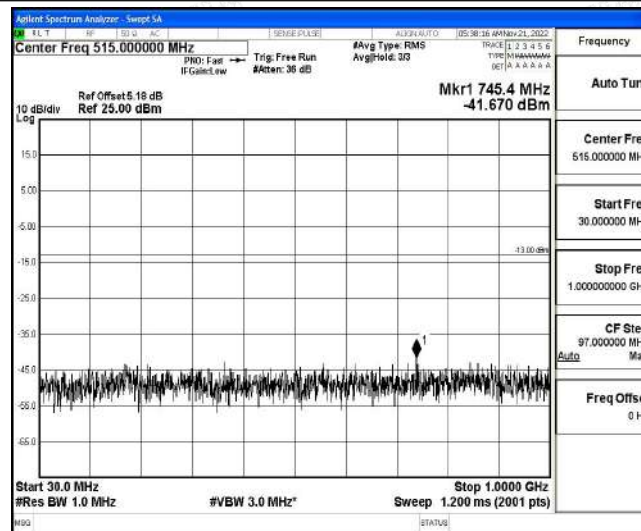


Band4-1.4MHz-16QAM-19957-1RB#0-Range2:0.15~30MHz

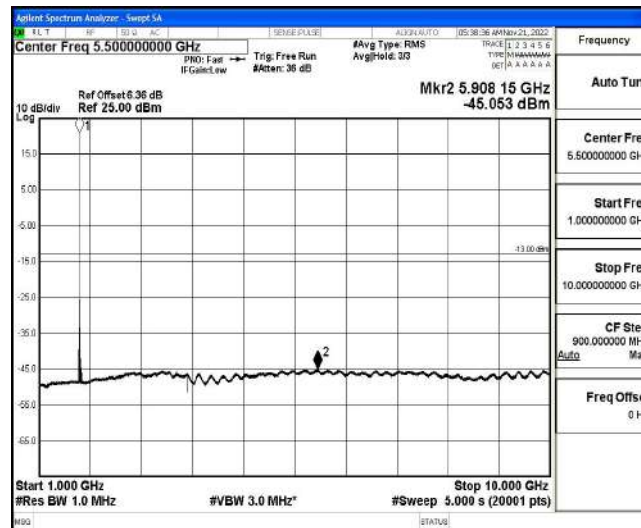


Band4-1.4MHz-16QAM-19957-1RB#0-Range3:30~1000MHz

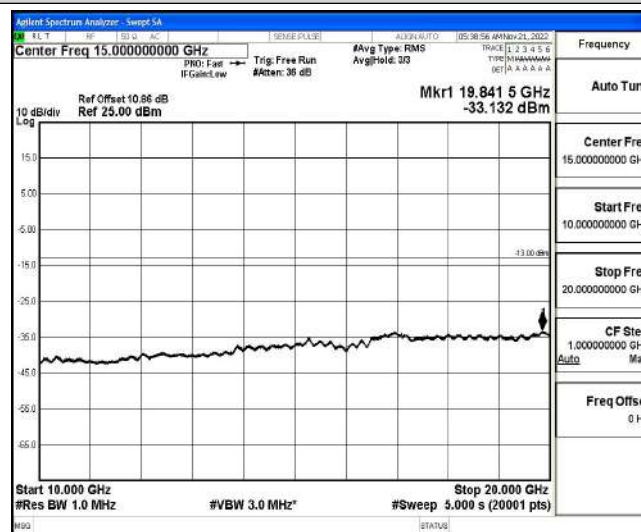




Band4-1.4MHz-16QAM-19957-1RB#0-Range4:1000~10000MHz

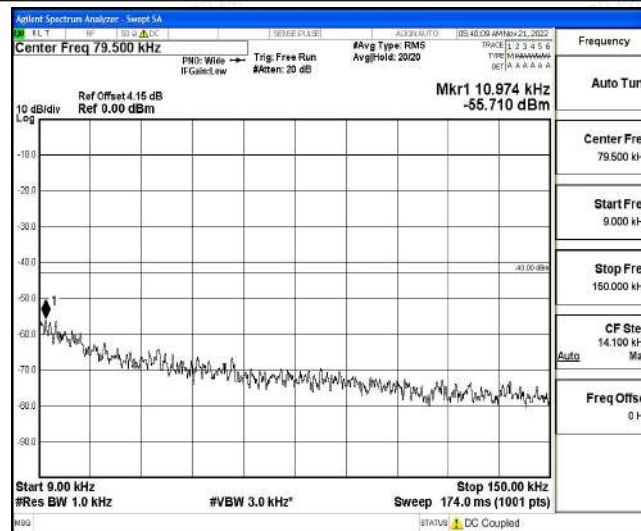


Band4-1.4MHz-16QAM-19957-1RB#0-Range5:10000~20000MHz

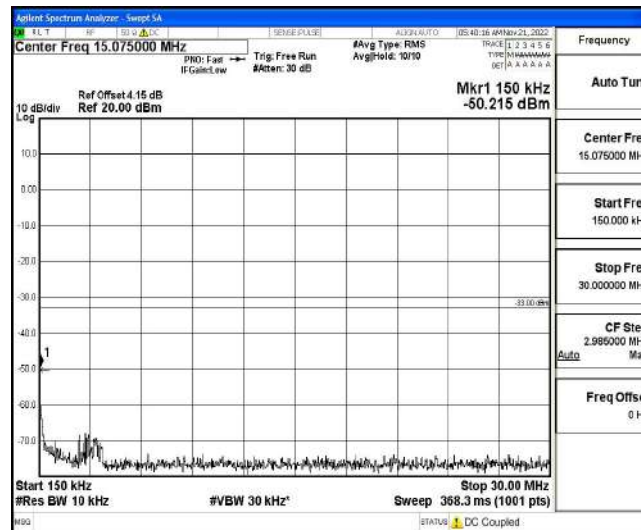


Band4-1.4MHz-16QAM-20175-1RB#0-Range1:0.009~0.15MHz

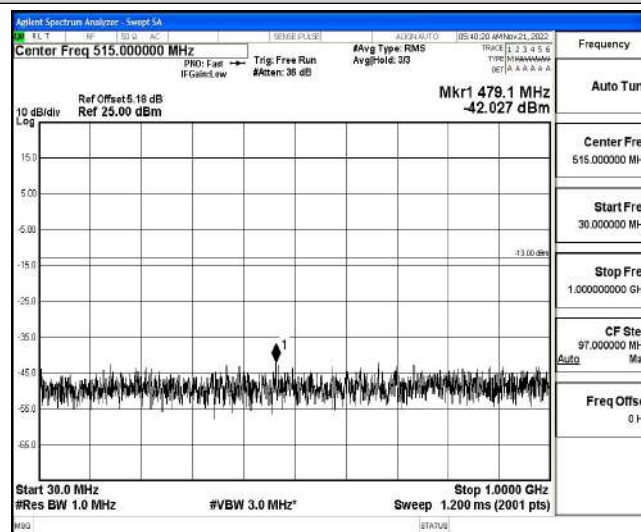




Band4-1.4MHz-16QAM-20175-1RB#0-Range2:0.15~30MHz



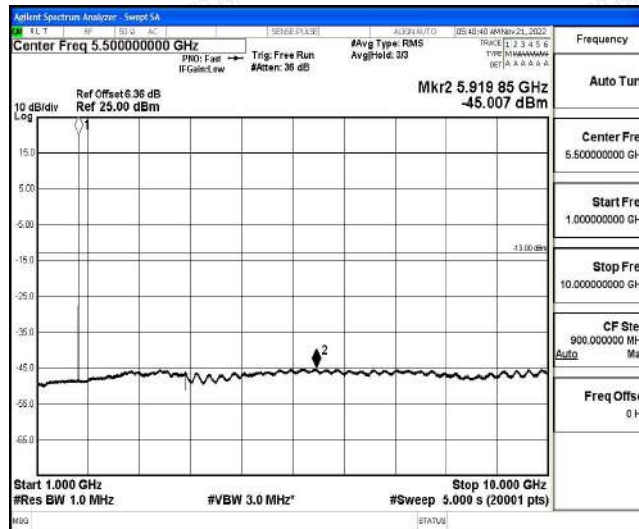
Band4-1.4MHz-16QAM-20175-1RB#0-Range3:30~1000MHz



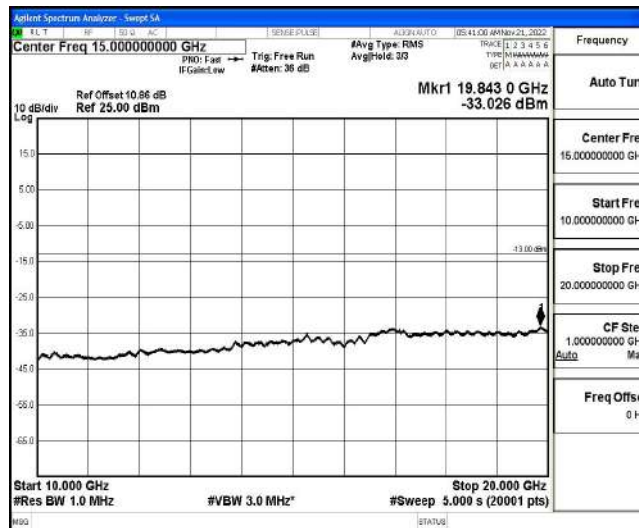
Band4-1.4MHz-16QAM-20175-1RB#0-Range4:1000~10000MHz



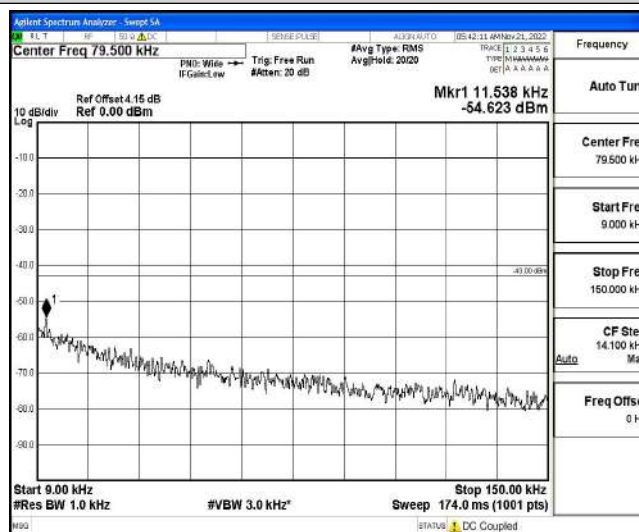
Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity



Band4-1.4MHz-16QAM-20175-1RB#0-Range5:10000~20000MHz

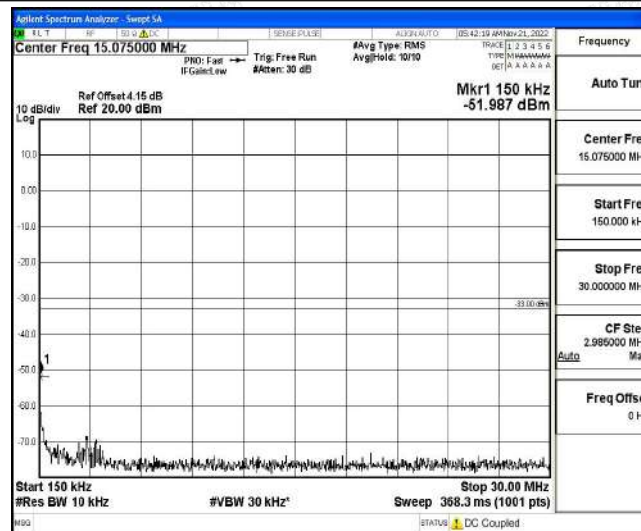


Band4-1.4MHz-16QAM-20393-1RB#0-Range1:0.009~0.15MHz

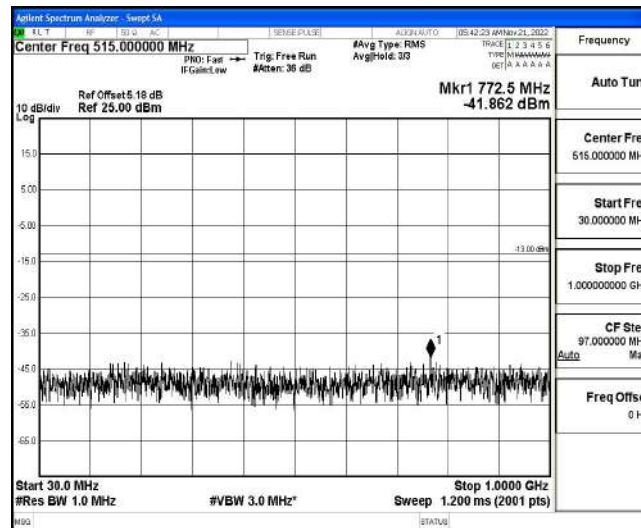


Band4-1.4MHz-16QAM-20393-1RB#0-Range2:0.15~30MHz

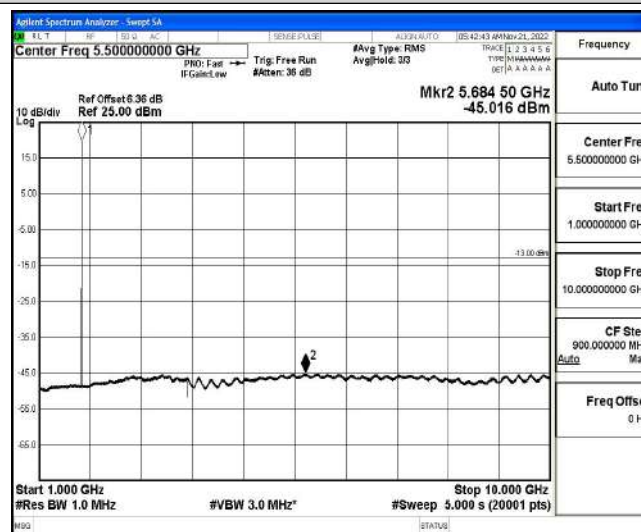




Band4-1.4MHz-16QAM-20393-1RB#0-Range3:30~1000MHz

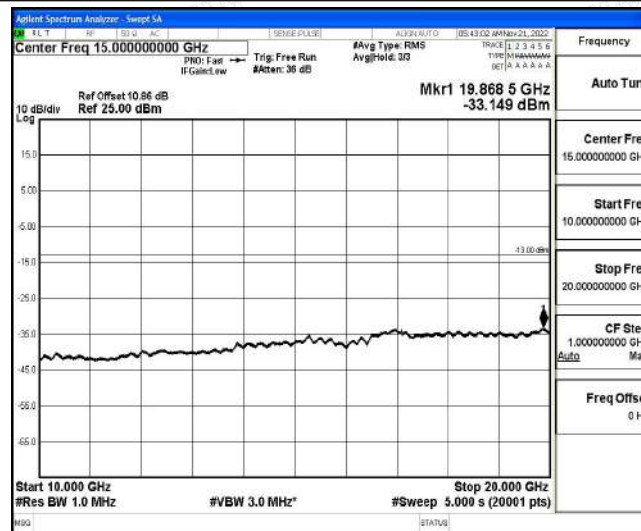


Band4-1.4MHz-16QAM-20393-1RB#0-Range4:1000~10000MHz

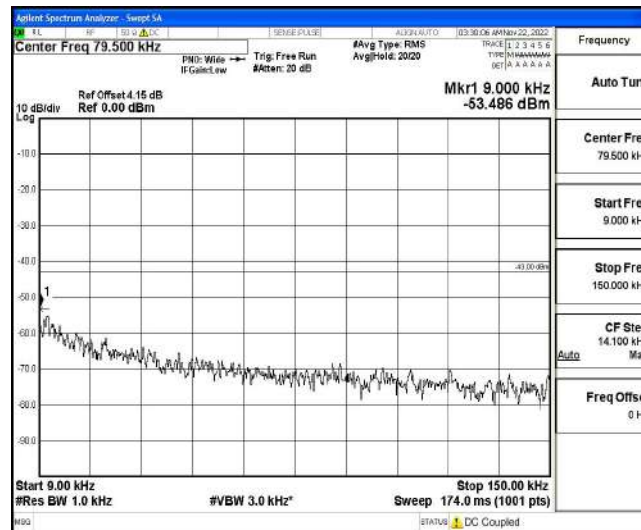


Band4-1.4MHz-16QAM-20393-1RB#0-Range5:10000~20000MHz

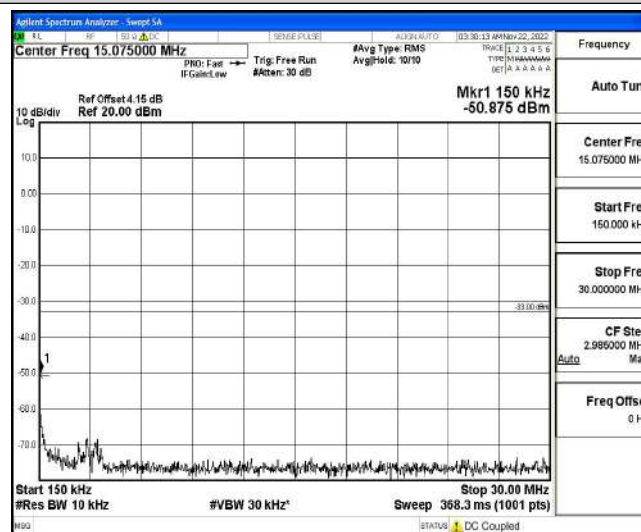




Band4-3MHz-QPSK-19965-1RB#0-Range1:0.009~0.15MHz

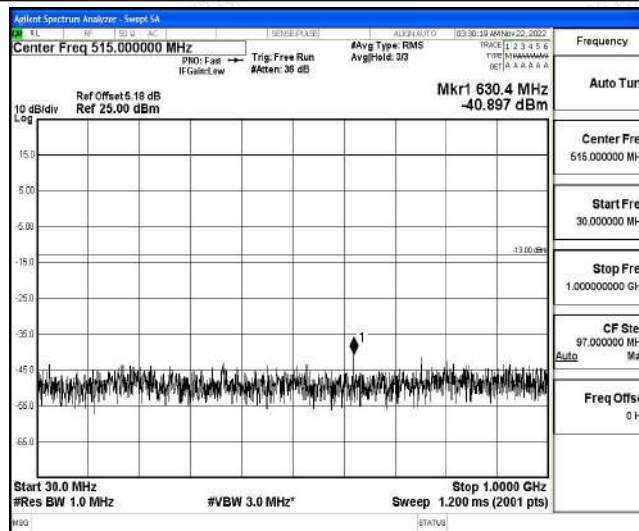


Band4-3MHz-QPSK-19965-1RB#0-Range2:0.15~30MHz

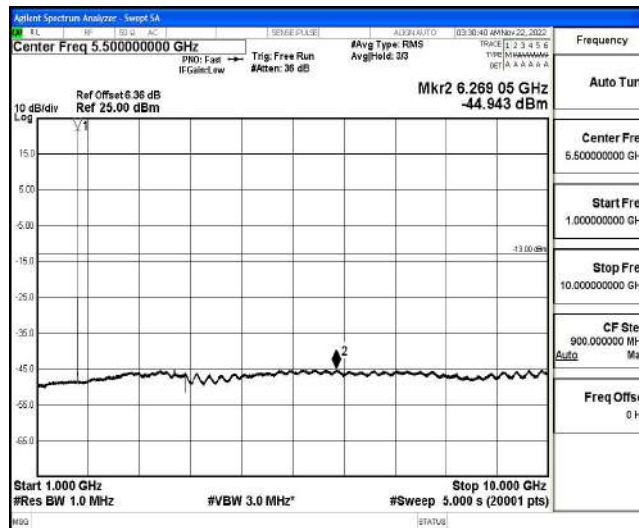


Band4-3MHz-QPSK-19965-1RB#0-Range3:30~1000MHz

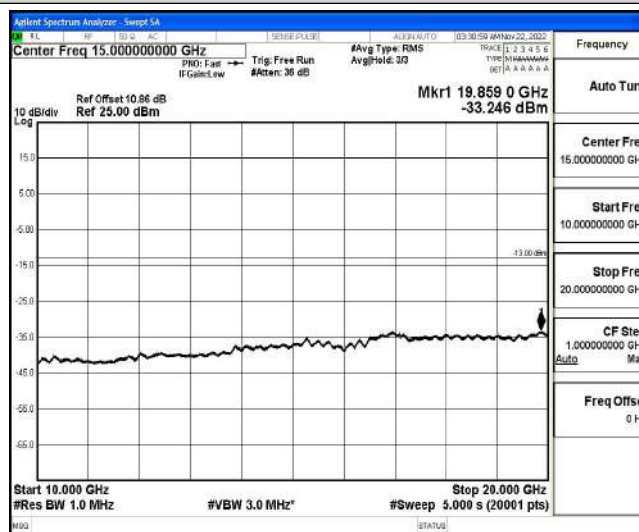




Band4-3MHz-QPSK-19965-1RB#0-Range4:1000~10000MHz

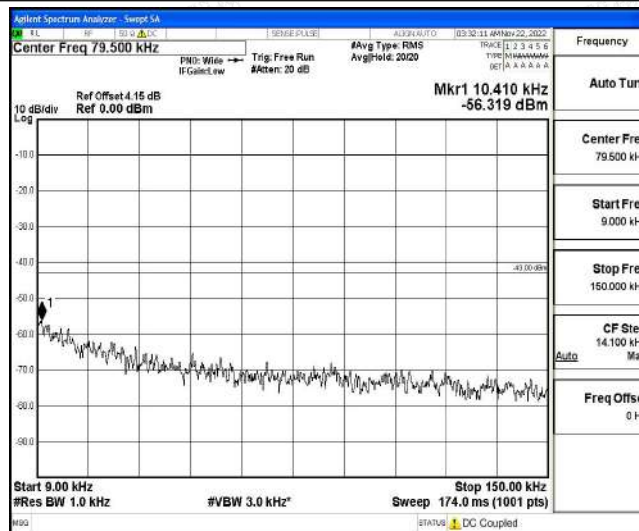


Band4-3MHz-QPSK-19965-1RB#0-Range5:10000~20000MHz

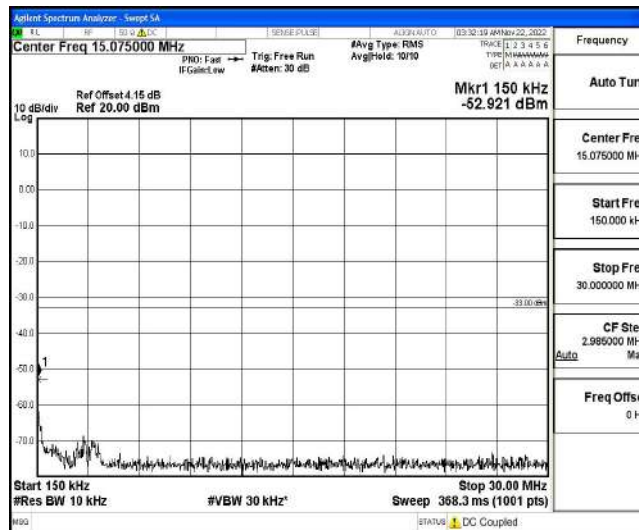


Band4-3MHz-QPSK-20175-1RB#0-Range1:0.009~0.15MHz

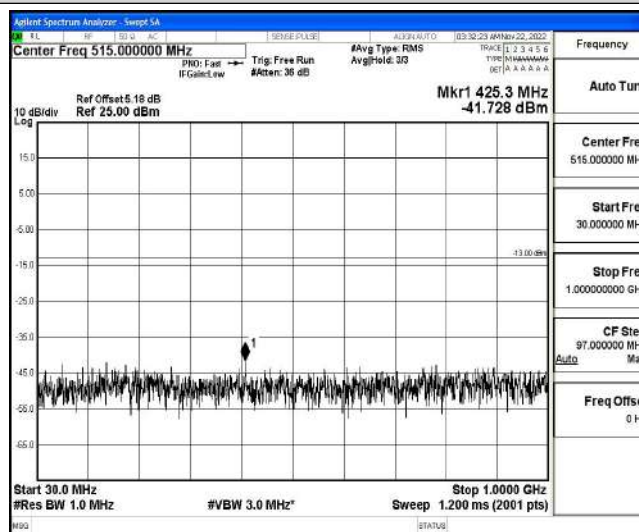




Band4-3MHz-QPSK-20175-1RB#0-Range2:0.15~30MHz

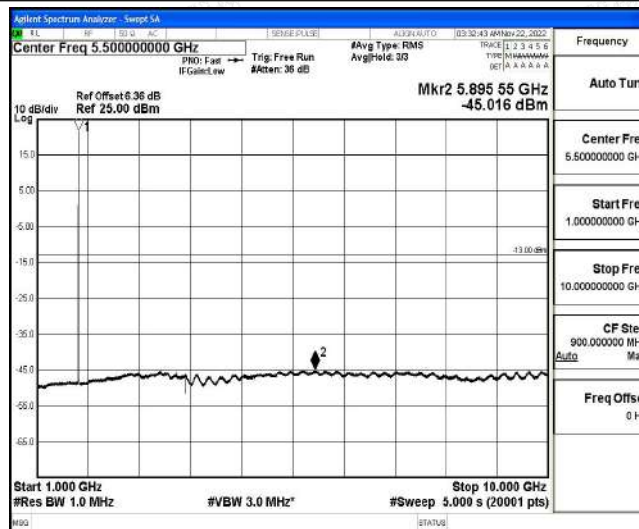


Band4-3MHz-QPSK-20175-1RB#0-Range3:30~1000MHz

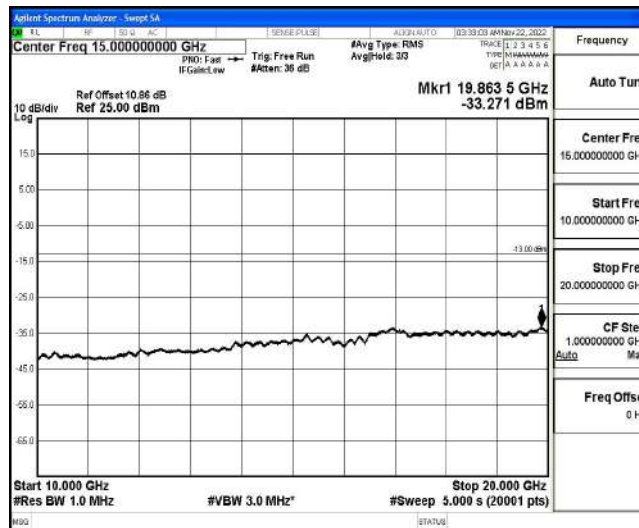


Band4-3MHz-QPSK-20175-1RB#0-Range4:1000~10000MHz

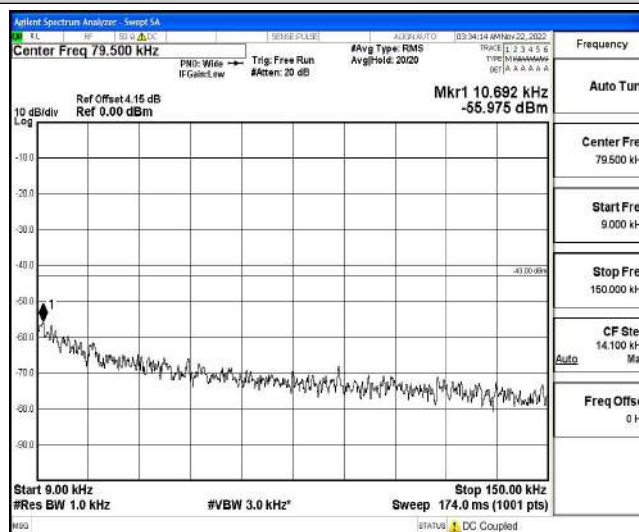




Band4-3MHz-QPSK-20175-1RB#0-Range5:10000~20000MHz

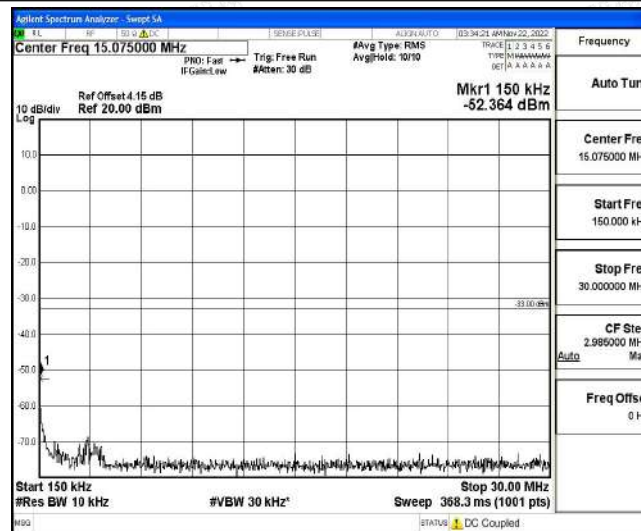


Band4-3MHz-QPSK-20385-1RB#0-Range1:0.009~0.15MHz

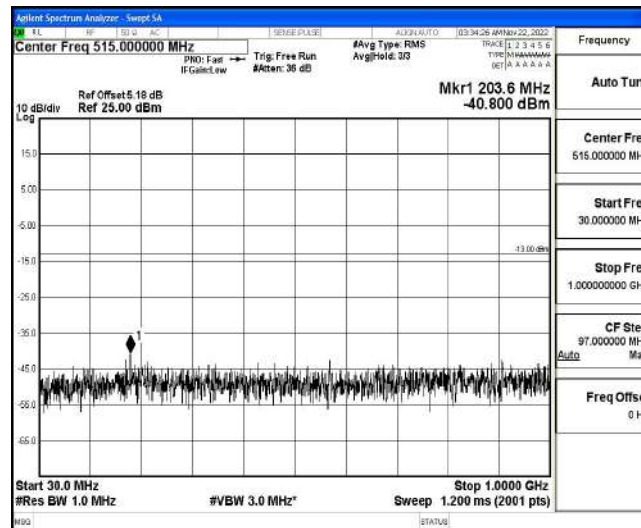


Band4-3MHz-QPSK-20385-1RB#0-Range2:0.15~30MHz

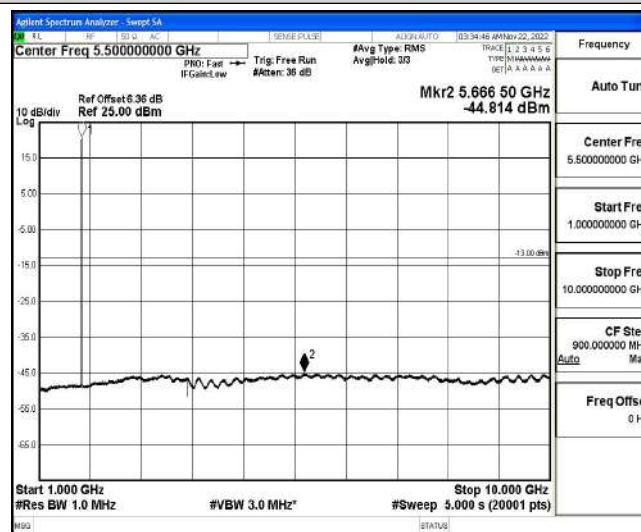




Band4-3MHz-QPSK-20385-1RB#0-Range3:30~1000MHz

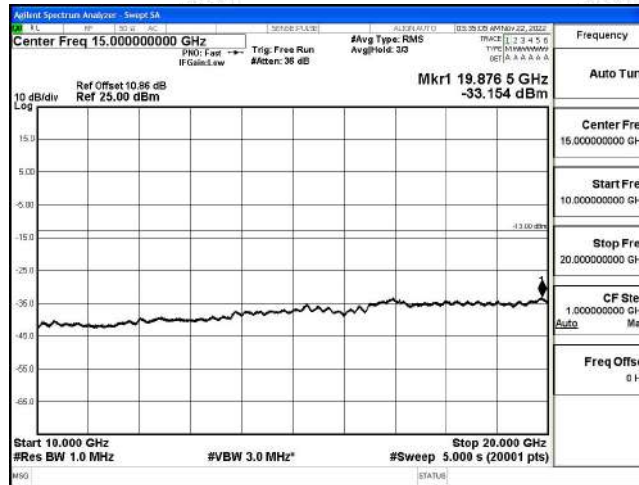


Band4-3MHz-QPSK-20385-1RB#0-Range4:1000~10000MHz

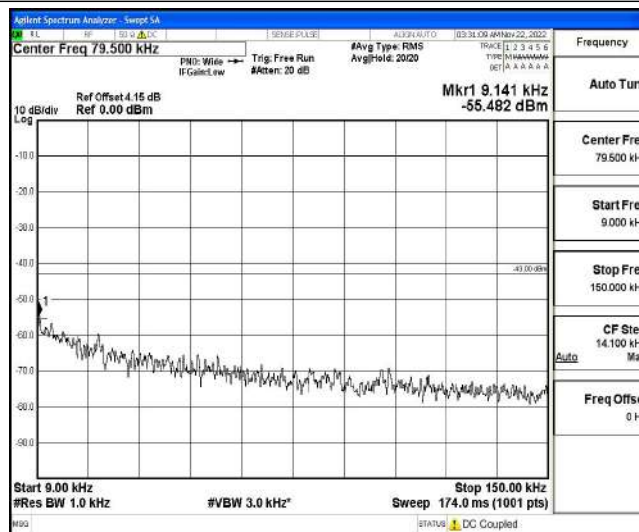


Band4-3MHz-QPSK-20385-1RB#0-Range5:10000~20000MHz

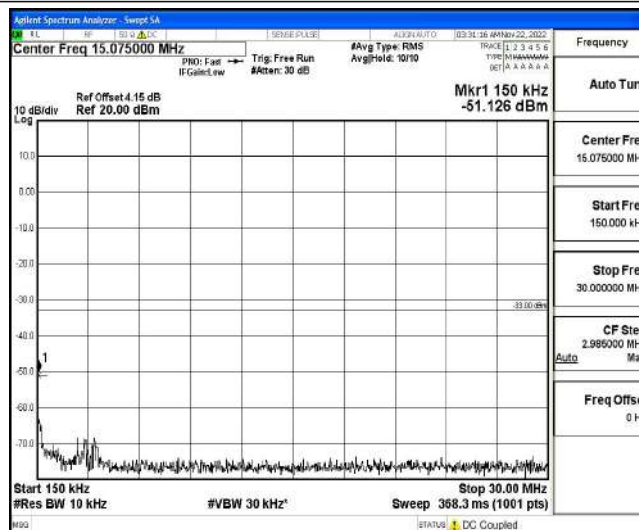




Band4-3MHz-16QAM-19965-1RB#0-Range1:0.009~0.15MHz

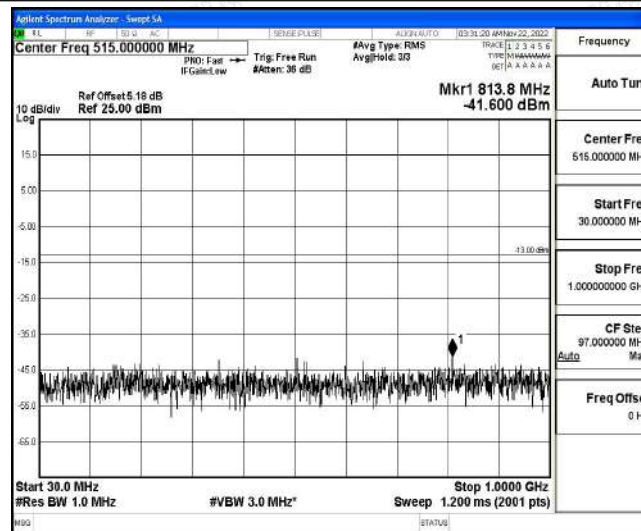


Band4-3MHz-16QAM-19965-1RB#0-Range2:0.15~30MHz

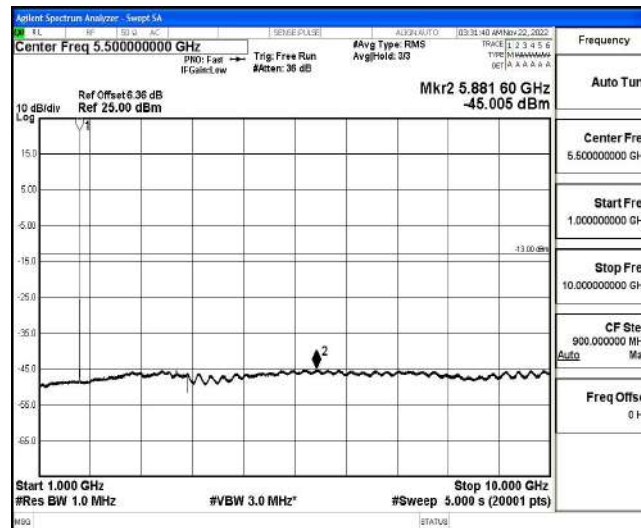


Band4-3MHz-16QAM-19965-1RB#0-Range3:30~1000MHz

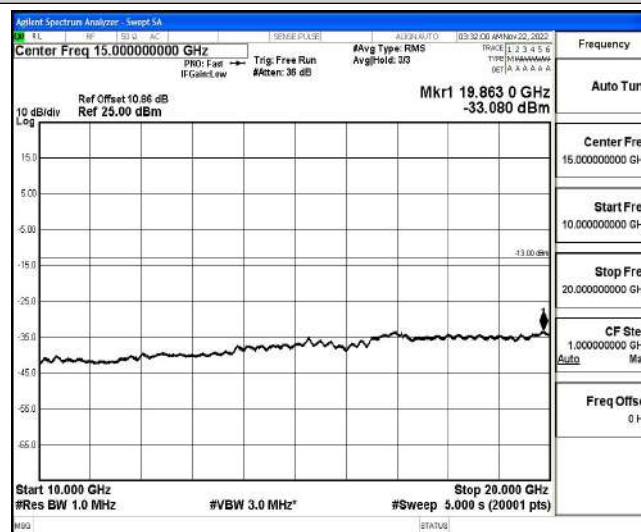




Band4-3MHz-16QAM-19965-1RB#0-Range4:1000~10000MHz

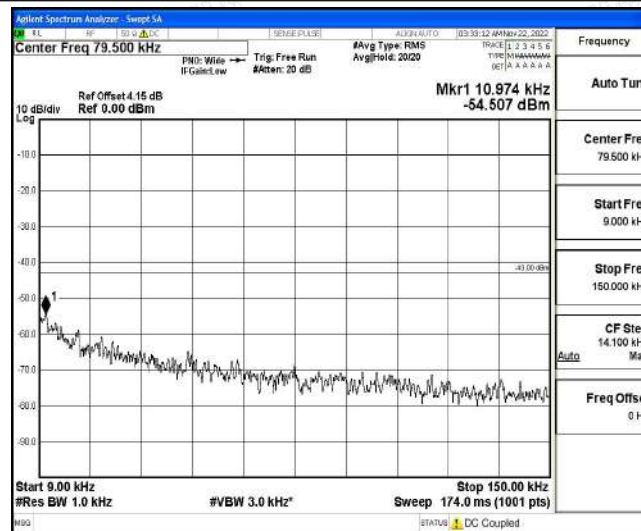


Band4-3MHz-16QAM-19965-1RB#0-Range5:10000~20000MHz

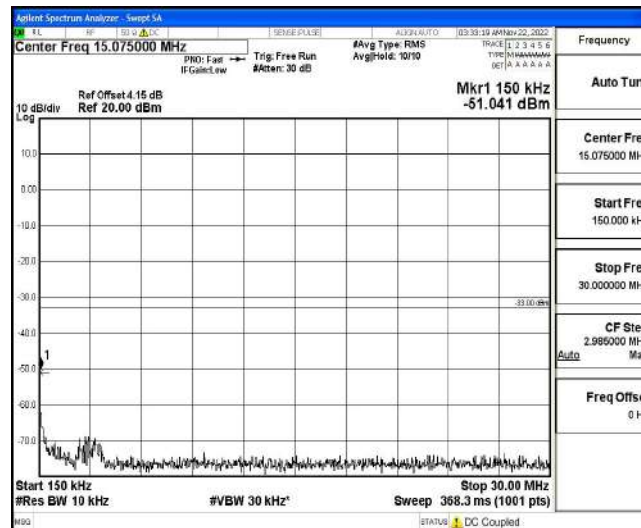


Band4-3MHz-16QAM-20175-1RB#0-Range1:0.009~0.15MHz

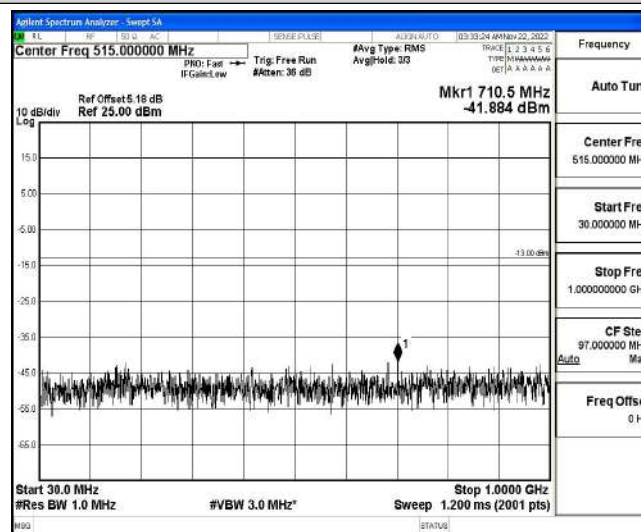




Band4-3MHz-16QAM-20175-1RB#0-Range2:0.15~30MHz

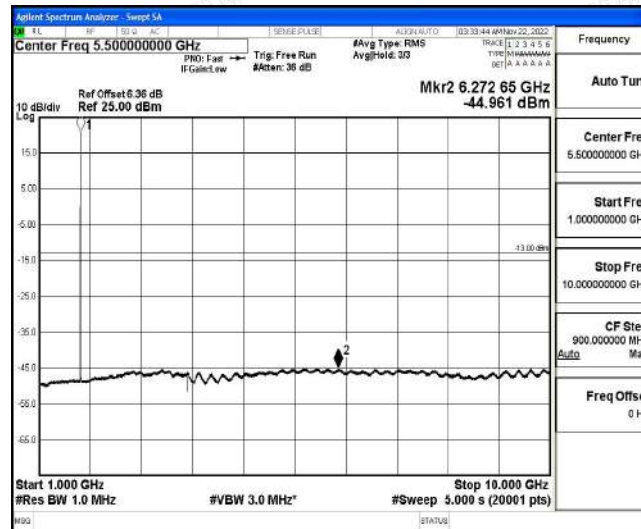


Band4-3MHz-16QAM-20175-1RB#0-Range3:30~1000MHz

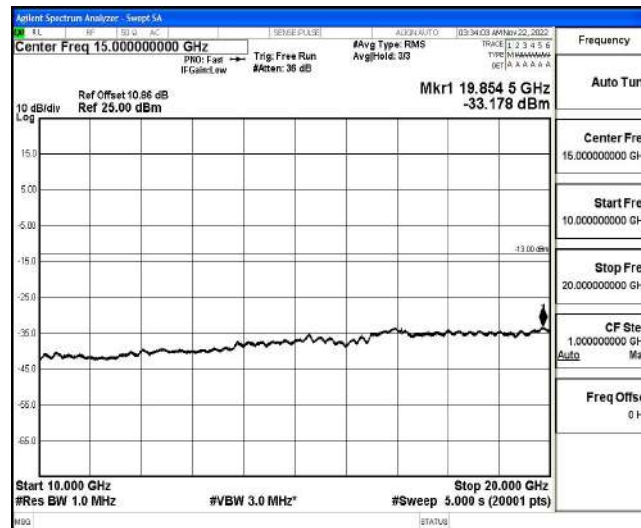


Band4-3MHz-16QAM-20175-1RB#0-Range4:1000~10000MHz

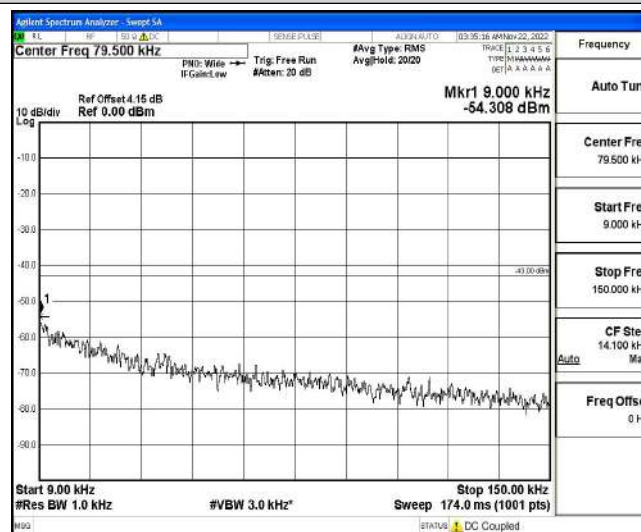




Band4-3MHz-16QAM-20175-1RB#0-Range5:10000~20000MHz

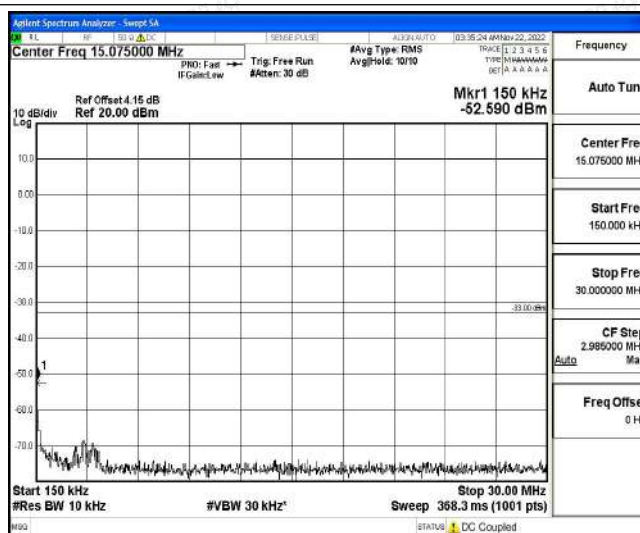


Band4-3MHz-16QAM-20385-1RB#0-Range1:0.009~0.15MHz

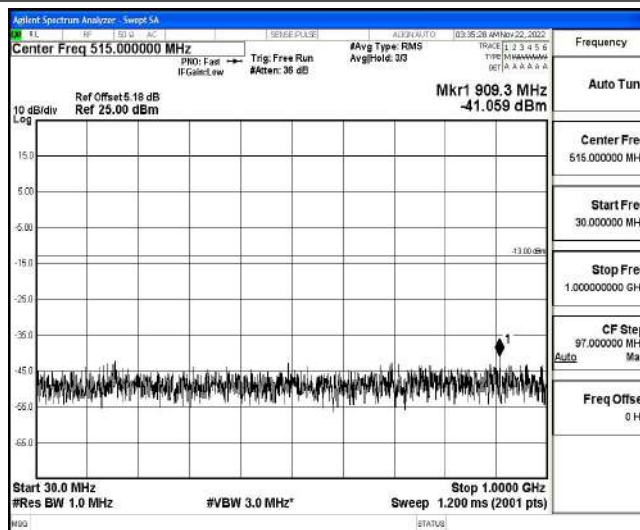


Band4-3MHz-16QAM-20385-1RB#0-Range2:0.15~30MHz

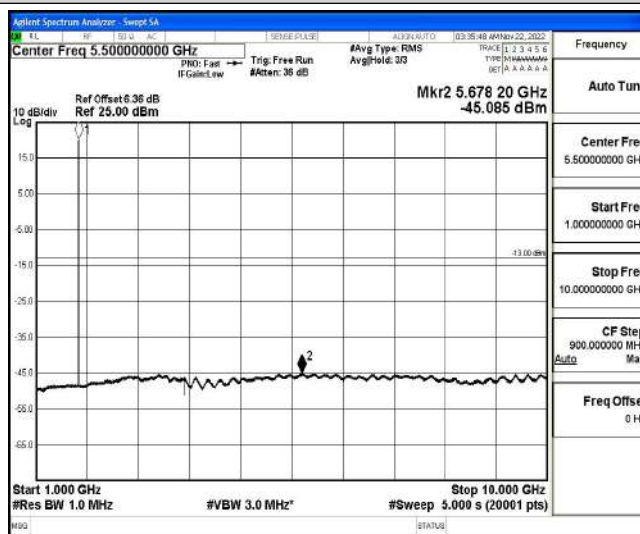




Band4-3MHz-16QAM-20385-1RB#0-Range3:30~1000MHz



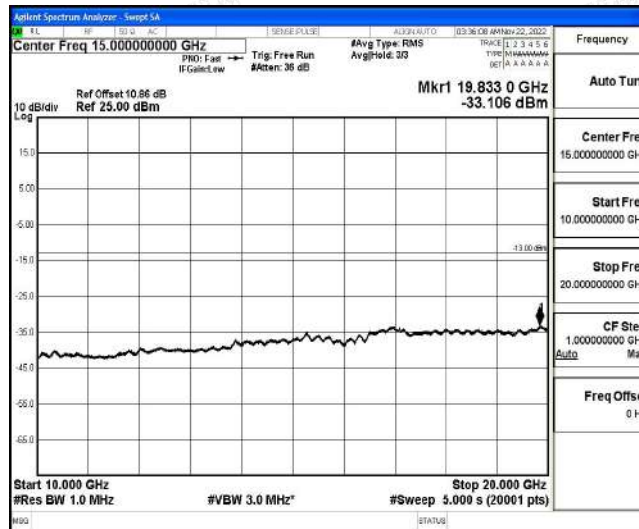
Band4-3MHz-16QAM-20385-1RB#0-Range4:1000~10000MHz



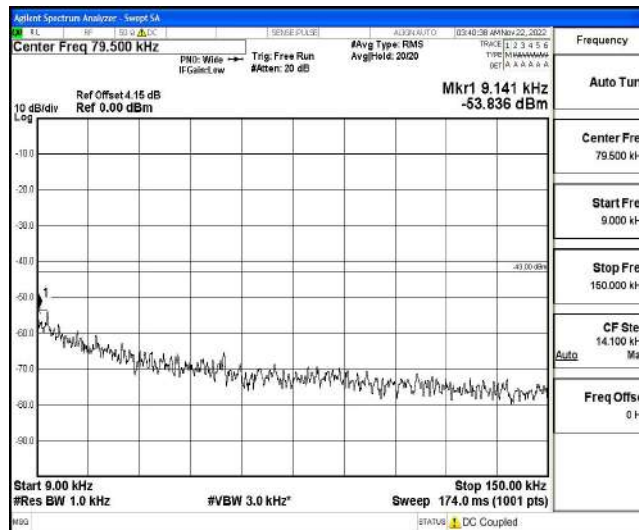
Band4-3MHz-16QAM-20385-1RB#0-Range5:10000~20000MHz



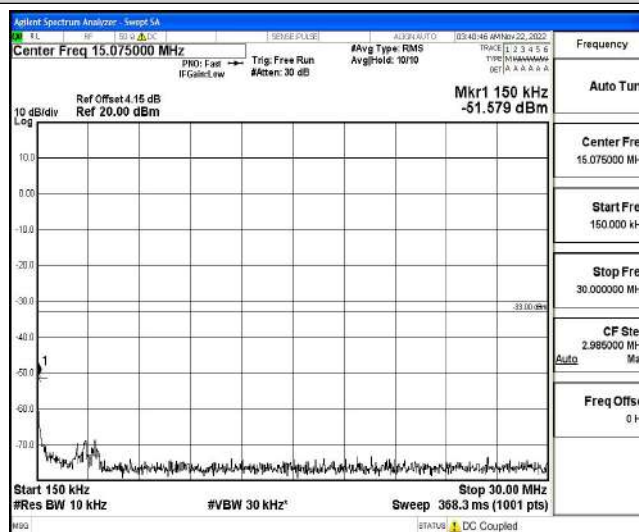
Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen,
518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity



Band4-5MHz-QPSK-19975-1RB#0-Range1:0.009~0.15MHz

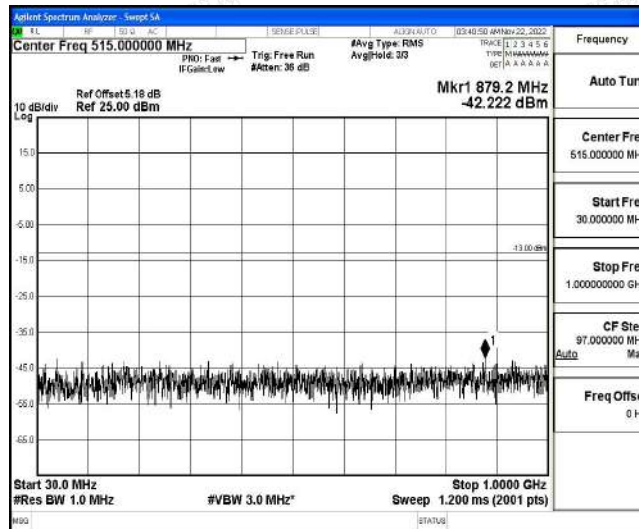


Band4-5MHz-QPSK-19975-1RB#0-Range2:0.15~30MHz

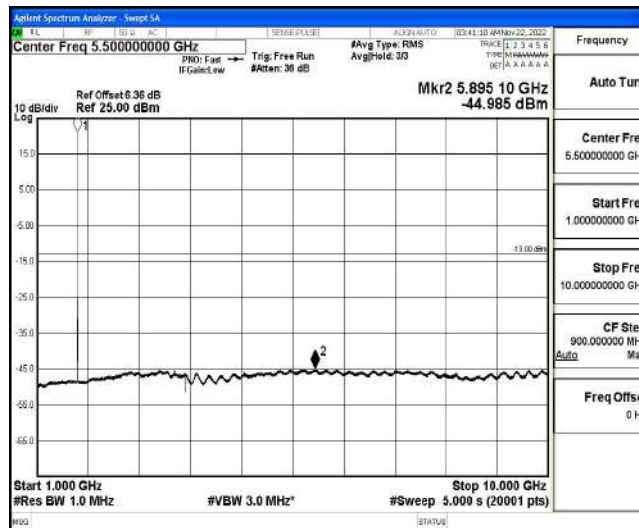


Band4-5MHz-QPSK-19975-1RB#0-Range3:30~1000MHz

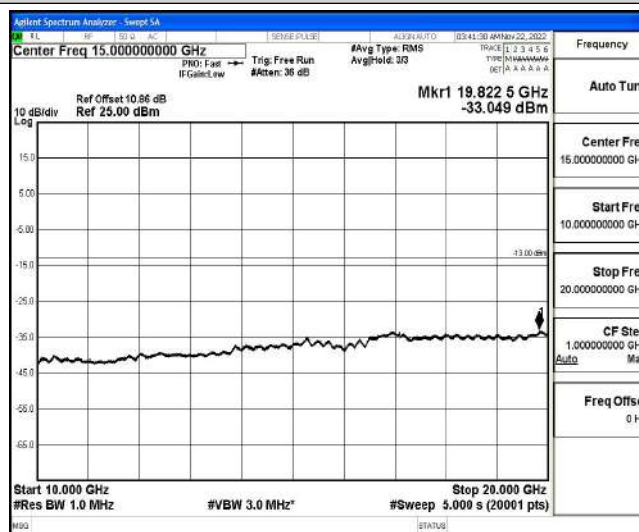




Band4-5MHz-QPSK-19975-1RB#0-Range4:1000~10000MHz

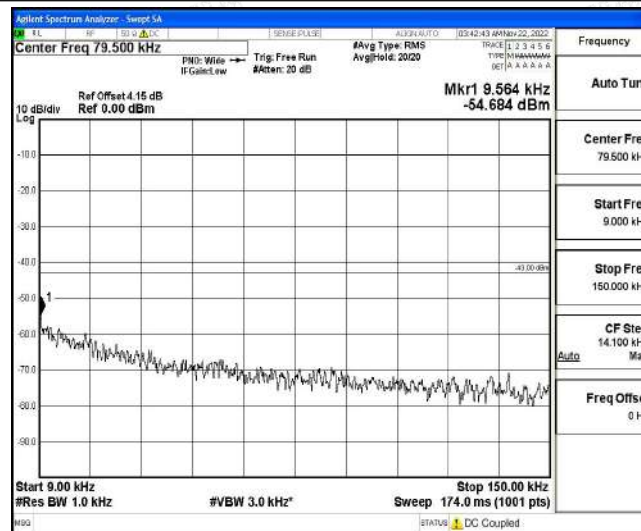


Band4-5MHz-QPSK-19975-1RB#0-Range5:10000~20000MHz

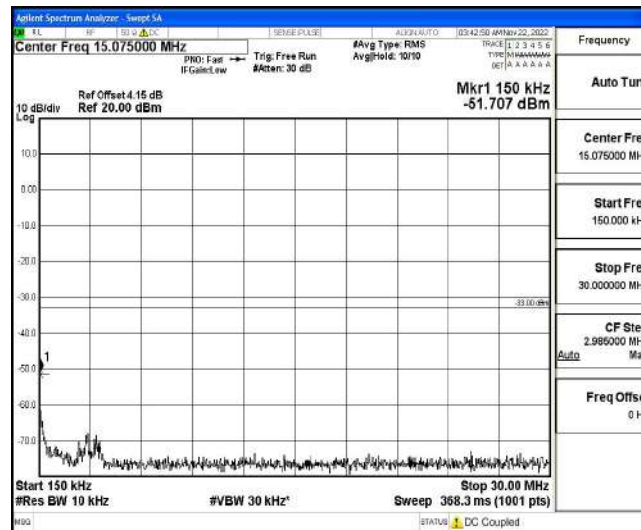


Band4-5MHz-QPSK-20175-1RB#0-Range1:0.009~0.15MHz

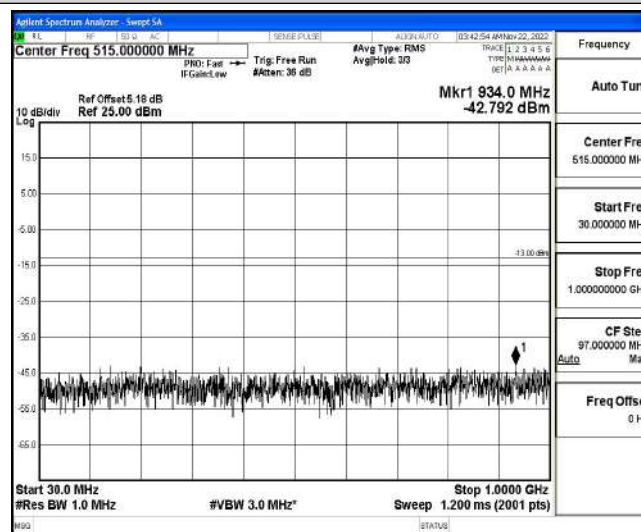




Band4-5MHz-QPSK-20175-1RB#0-Range2:0.15~30MHz

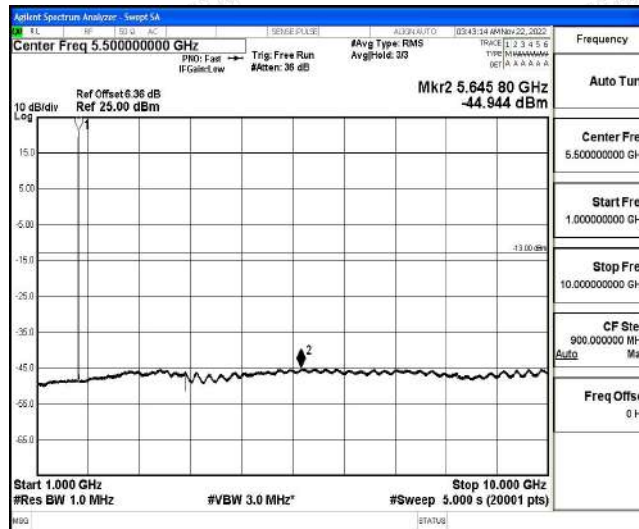


Band4-5MHz-QPSK-20175-1RB#0-Range3:30~1000MHz

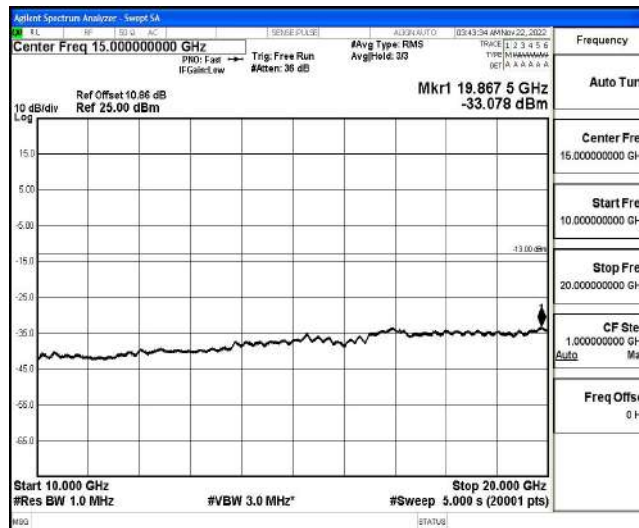


Band4-5MHz-QPSK-20175-1RB#0-Range4:1000~10000MHz

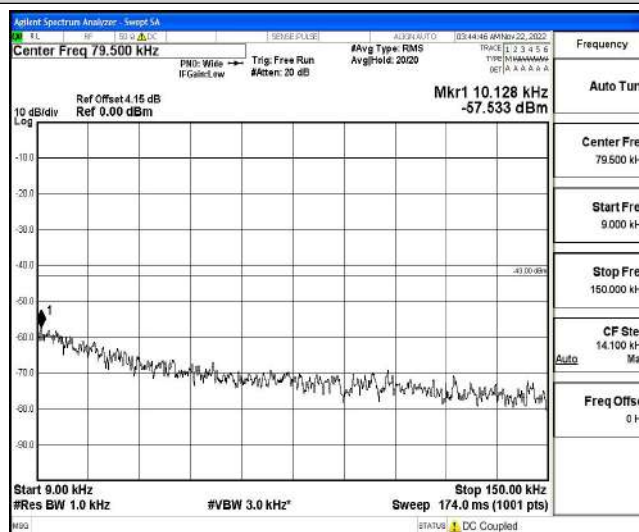




Band4-5MHz-QPSK-20175-1RB#0-Range5:10000~20000MHz

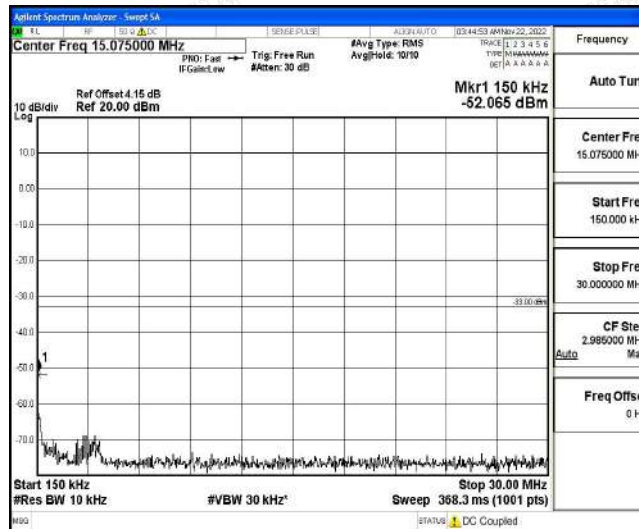


Band4-5MHz-QPSK-20375-1RB#0-Range1:0.009~0.15MHz

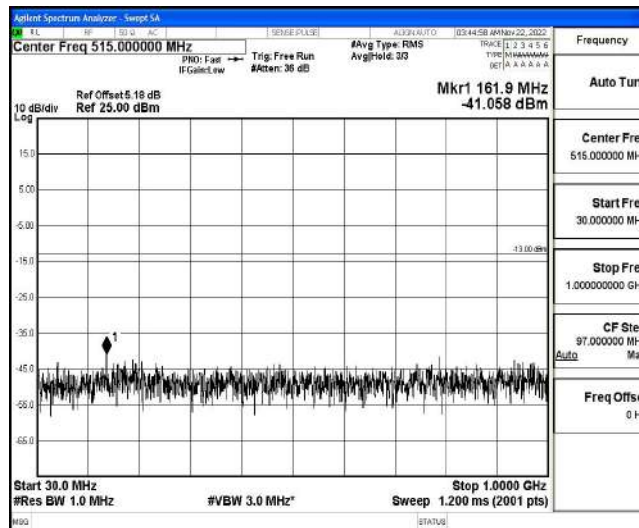


Band4-5MHz-QPSK-20375-1RB#0-Range2:0.15~30MHz

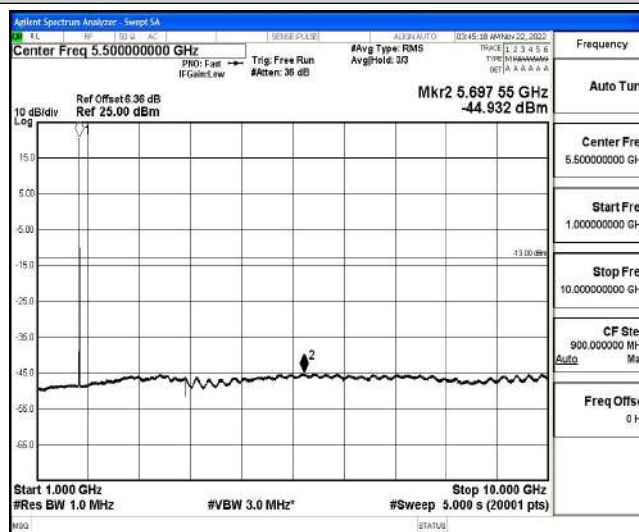




Band4-5MHz-QPSK-20375-1RB#0-Range3:30~1000MHz

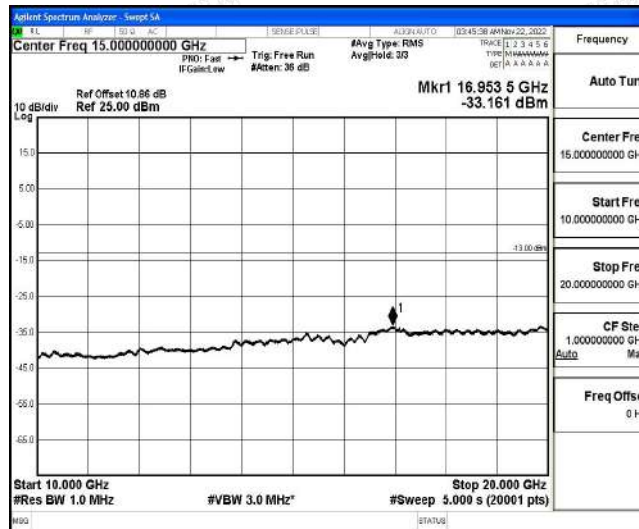


Band4-5MHz-QPSK-20375-1RB#0-Range4:1000~10000MHz

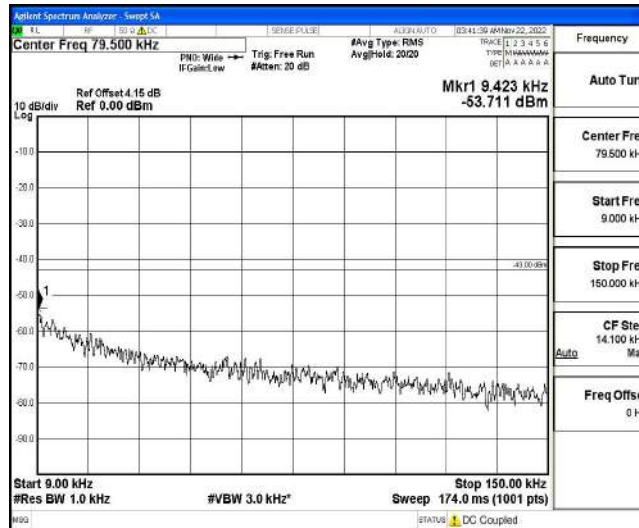


Band4-5MHz-QPSK-20375-1RB#0-Range5:10000~20000MHz

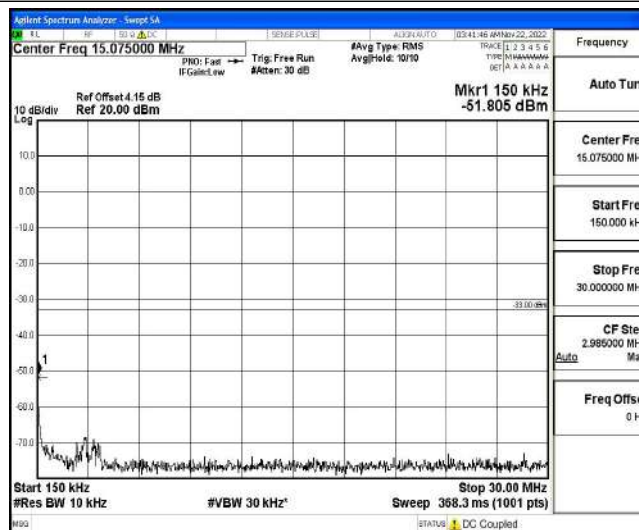




Band4-5MHz-16QAM-19975-1RB#0-Range1:0.009~0.15MHz



Band4-5MHz-16QAM-19975-1RB#0-Range2:0.15~30MHz



Band4-5MHz-16QAM-19975-1RB#0-Range3:30~1000MHz

