



Appendix E: Test Data for E-UTRA Band 4

Product Name: Personal Mobile Alarm System
Test Model: PAL 4

Environmental Conditions

Temperature:	23.9° C
Relative Humidity:	52.2%
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	22.59	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	22.70	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	22.64	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	22.73	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	22.74	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	22.70	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	21.78	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	22.63	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	22.76	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	22.58	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	22.66	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	22.68	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	22.64	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	21.67	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.60	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	22.83	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.56	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.59	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	22.61	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.64	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.60	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	21.56	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	21.61	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	21.51	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	21.52	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	21.50	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	21.47	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	20.80	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	21.43	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	21.63	PASS





Band4	1.4MHz	16QAM	20175	1RB#5	21.42	PASS
Band4	1.4MHz	16QAM	20175	3RB#0	21.39	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	21.40	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.35	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	20.72	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	21.31	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	21.49	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	21.37	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	21.41	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	21.43	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.43	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	20.44	PASS
Band4	3MHz	QPSK	19965	1RB#0	22.64	PASS
Band4	3MHz	QPSK	19965	1RB#8	22.78	PASS
Band4	3MHz	QPSK	19965	1RB#14	22.70	PASS
Band4	3MHz	QPSK	19965	8RB#0	21.69	PASS
Band4	3MHz	QPSK	19965	8RB#4	21.63	PASS
Band4	3MHz	QPSK	19965	8RB#7	21.61	PASS
Band4	3MHz	QPSK	19965	15RB#0	21.63	PASS
Band4	3MHz	QPSK	20175	1RB#0	22.61	PASS
Band4	3MHz	QPSK	20175	1RB#8	22.53	PASS
Band4	3MHz	QPSK	20175	1RB#14	22.63	PASS
Band4	3MHz	QPSK	20175	8RB#0	21.62	PASS
Band4	3MHz	QPSK	20175	8RB#4	21.63	PASS
Band4	3MHz	QPSK	20175	8RB#7	21.58	PASS
Band4	3MHz	QPSK	20175	15RB#0	21.56	PASS
Band4	3MHz	QPSK	20385	1RB#0	22.43	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.58	PASS
Band4	3MHz	QPSK	20385	1RB#14	22.56	PASS
Band4	3MHz	QPSK	20385	8RB#0	21.52	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.54	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.56	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.50	PASS
Band4	3MHz	16QAM	19965	1RB#0	21.54	PASS
Band4	3MHz	16QAM	19965	1RB#8	21.61	PASS





Band4	3MHz	16QAM	19965	1RB#14	21.43	PASS
Band4	3MHz	16QAM	19965	8RB#0	20.70	PASS
Band4	3MHz	16QAM	19965	8RB#4	20.70	PASS
Band4	3MHz	16QAM	19965	8RB#7	20.68	PASS
Band4	3MHz	16QAM	19965	15RB#0	20.57	PASS
Band4	3MHz	16QAM	20175	1RB#0	21.60	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.40	PASS
Band4	3MHz	16QAM	20175	1RB#14	21.36	PASS
Band4	3MHz	16QAM	20175	8RB#0	20.68	PASS
Band4	3MHz	16QAM	20175	8RB#4	20.69	PASS
Band4	3MHz	16QAM	20175	8RB#7	20.63	PASS
Band4	3MHz	16QAM	20175	15RB#0	20.55	PASS
Band4	3MHz	16QAM	20385	1RB#0	21.32	PASS
Band4	3MHz	16QAM	20385	1RB#8	21.33	PASS
Band4	3MHz	16QAM	20385	1RB#14	21.32	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.58	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.58	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.55	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.47	PASS
Band4	5MHz	QPSK	19975	1RB#0	22.56	PASS
Band4	5MHz	QPSK	19975	1RB#12	22.80	PASS
Band4	5MHz	QPSK	19975	1RB#24	22.65	PASS
Band4	5MHz	QPSK	19975	12RB#0	21.66	PASS
Band4	5MHz	QPSK	19975	12RB#6	21.57	PASS
Band4	5MHz	QPSK	19975	12RB#13	21.72	PASS
Band4	5MHz	QPSK	19975	25RB#0	21.67	PASS
Band4	5MHz	QPSK	20175	1RB#0	22.61	PASS
Band4	5MHz	QPSK	20175	1RB#12	22.69	PASS
Band4	5MHz	QPSK	20175	1RB#24	22.46	PASS
Band4	5MHz	QPSK	20175	12RB#0	21.57	PASS
Band4	5MHz	QPSK	20175	12RB#6	21.54	PASS
Band4	5MHz	QPSK	20175	12RB#13	21.46	PASS
Band4	5MHz	QPSK	20175	25RB#0	21.54	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.33	PASS
Band4	5MHz	QPSK	20375	1RB#12	22.52	PASS





Band4	5MHz	QPSK	20375	1RB#24	22.39	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.47	PASS
Band4	5MHz	QPSK	20375	12RB#6	21.50	PASS
Band4	5MHz	QPSK	20375	12RB#13	21.46	PASS
Band4	5MHz	QPSK	20375	25RB#0	21.50	PASS
Band4	5MHz	16QAM	19975	1RB#0	21.52	PASS
Band4	5MHz	16QAM	19975	1RB#12	21.67	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.61	PASS
Band4	5MHz	16QAM	19975	12RB#0	20.68	PASS
Band4	5MHz	16QAM	19975	12RB#6	20.58	PASS
Band4	5MHz	16QAM	19975	12RB#13	20.73	PASS
Band4	5MHz	16QAM	19975	25RB#0	20.77	PASS
Band4	5MHz	16QAM	20175	1RB#0	21.55	PASS
Band4	5MHz	16QAM	20175	1RB#12	21.58	PASS
Band4	5MHz	16QAM	20175	1RB#24	21.41	PASS
Band4	5MHz	16QAM	20175	12RB#0	20.67	PASS
Band4	5MHz	16QAM	20175	12RB#6	20.60	PASS
Band4	5MHz	16QAM	20175	12RB#13	20.49	PASS
Band4	5MHz	16QAM	20175	25RB#0	20.60	PASS
Band4	5MHz	16QAM	20375	1RB#0	21.34	PASS
Band4	5MHz	16QAM	20375	1RB#12	21.54	PASS
Band4	5MHz	16QAM	20375	1RB#24	21.47	PASS
Band4	5MHz	16QAM	20375	12RB#0	20.55	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.51	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.57	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.53	PASS
Band4	10MHz	QPSK	20000	1RB#0	22.64	PASS
Band4	10MHz	QPSK	20000	1RB#24	22.79	PASS
Band4	10MHz	QPSK	20000	1RB#49	22.70	PASS
Band4	10MHz	QPSK	20000	25RB#0	21.70	PASS
Band4	10MHz	QPSK	20000	25RB#12	21.70	PASS
Band4	10MHz	QPSK	20000	25RB#25	21.84	PASS
Band4	10MHz	QPSK	20000	50RB#0	21.80	PASS
Band4	10MHz	QPSK	20175	1RB#0	22.72	PASS
Band4	10MHz	QPSK	20175	1RB#24	22.71	PASS





Band4	10MHz	QPSK	20175	1RB#49	22.48	PASS
Band4	10MHz	QPSK	20175	25RB#0	21.67	PASS
Band4	10MHz	QPSK	20175	25RB#12	21.72	PASS
Band4	10MHz	QPSK	20175	25RB#25	21.49	PASS
Band4	10MHz	QPSK	20175	50RB#0	21.60	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.44	PASS
Band4	10MHz	QPSK	20350	1RB#24	22.67	PASS
Band4	10MHz	QPSK	20350	1RB#49	22.55	PASS
Band4	10MHz	QPSK	20350	25RB#0	21.51	PASS
Band4	10MHz	QPSK	20350	25RB#12	21.51	PASS
Band4	10MHz	QPSK	20350	25RB#25	21.56	PASS
Band4	10MHz	QPSK	20350	50RB#0	21.55	PASS
Band4	10MHz	16QAM	20000	1RB#0	21.63	PASS
Band4	10MHz	16QAM	20000	1RB#24	21.84	PASS
Band4	10MHz	16QAM	20000	1RB#49	21.66	PASS
Band4	10MHz	16QAM	20000	25RB#0	20.76	PASS
Band4	10MHz	16QAM	20000	25RB#12	20.77	PASS
Band4	10MHz	16QAM	20000	25RB#25	20.88	PASS
Band4	10MHz	16QAM	20000	50RB#0	20.82	PASS
Band4	10MHz	16QAM	20175	1RB#0	21.73	PASS
Band4	10MHz	16QAM	20175	1RB#24	21.69	PASS
Band4	10MHz	16QAM	20175	1RB#49	21.44	PASS
Band4	10MHz	16QAM	20175	25RB#0	20.73	PASS
Band4	10MHz	16QAM	20175	25RB#12	20.77	PASS
Band4	10MHz	16QAM	20175	25RB#25	20.56	PASS
Band4	10MHz	16QAM	20175	50RB#0	20.65	PASS
Band4	10MHz	16QAM	20350	1RB#0	21.12	PASS
Band4	10MHz	16QAM	20350	1RB#24	21.37	PASS
Band4	10MHz	16QAM	20350	1RB#49	21.35	PASS
Band4	10MHz	16QAM	20350	25RB#0	20.58	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.55	PASS
Band4	10MHz	16QAM	20350	25RB#25	20.63	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.57	PASS
Band4	15MHz	QPSK	20025	1RB#0	22.50	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.67	PASS





Band4	15MHz	QPSK	20025	1RB#74	22.52	PASS
Band4	15MHz	QPSK	20025	38RB#0	21.70	PASS
Band4	15MHz	QPSK	20025	38RB#18	21.76	PASS
Band4	15MHz	QPSK	20025	38RB#37	21.71	PASS
Band4	15MHz	QPSK	20025	75RB#0	21.75	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.70	PASS
Band4	15MHz	QPSK	20175	1RB#38	22.55	PASS
Band4	15MHz	QPSK	20175	1RB#74	22.36	PASS
Band4	15MHz	QPSK	20175	38RB#0	21.76	PASS
Band4	15MHz	QPSK	20175	38RB#18	21.65	PASS
Band4	15MHz	QPSK	20175	38RB#37	21.40	PASS
Band4	15MHz	QPSK	20175	75RB#0	21.64	PASS
Band4	15MHz	QPSK	20325	1RB#0	22.27	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.34	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.40	PASS
Band4	15MHz	QPSK	20325	38RB#0	21.42	PASS
Band4	15MHz	QPSK	20325	38RB#18	21.35	PASS
Band4	15MHz	QPSK	20325	38RB#37	21.41	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.60	PASS
Band4	15MHz	16QAM	20025	1RB#0	21.65	PASS
Band4	15MHz	16QAM	20025	1RB#38	21.77	PASS
Band4	15MHz	16QAM	20025	1RB#74	21.72	PASS
Band4	15MHz	16QAM	20025	38RB#0	21.65	PASS
Band4	15MHz	16QAM	20025	38RB#18	21.84	PASS
Band4	15MHz	16QAM	20025	38RB#37	21.61	PASS
Band4	15MHz	16QAM	20025	75RB#0	20.79	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.84	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.65	PASS
Band4	15MHz	16QAM	20175	1RB#74	21.38	PASS
Band4	15MHz	16QAM	20175	38RB#0	21.84	PASS
Band4	15MHz	16QAM	20175	38RB#18	21.59	PASS
Band4	15MHz	16QAM	20175	38RB#37	21.33	PASS
Band4	15MHz	16QAM	20175	75RB#0	20.63	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.37	PASS
Band4	15MHz	16QAM	20325	1RB#38	21.33	PASS





Band4	15MHz	16QAM	20325	1RB#74	21.52	PASS
Band4	15MHz	16QAM	20325	38RB#0	21.29	PASS
Band4	15MHz	16QAM	20325	38RB#18	21.35	PASS
Band4	15MHz	16QAM	20325	38RB#37	21.42	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.51	PASS
Band4	20MHz	QPSK	20050	1RB#0	22.65	PASS
Band4	20MHz	QPSK	20050	1RB#49	22.79	PASS
Band4	20MHz	QPSK	20050	1RB#99	22.46	PASS
Band4	20MHz	QPSK	20050	50RB#0	21.58	PASS
Band4	20MHz	QPSK	20050	50RB#25	21.55	PASS
Band4	20MHz	QPSK	20050	50RB#50	21.73	PASS
Band4	20MHz	QPSK	20050	100RB#0	21.64	PASS
Band4	20MHz	QPSK	20175	1RB#0	22.71	PASS
Band4	20MHz	QPSK	20175	1RB#49	22.77	PASS
Band4	20MHz	QPSK	20175	1RB#99	22.34	PASS
Band4	20MHz	QPSK	20175	50RB#0	21.62	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.59	PASS
Band4	20MHz	QPSK	20175	50RB#50	21.32	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.44	PASS
Band4	20MHz	QPSK	20300	1RB#0	22.45	PASS
Band4	20MHz	QPSK	20300	1RB#49	22.56	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.41	PASS
Band4	20MHz	QPSK	20300	50RB#0	21.62	PASS
Band4	20MHz	QPSK	20300	50RB#25	21.63	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.35	PASS
Band4	20MHz	QPSK	20300	100RB#0	21.50	PASS
Band4	20MHz	16QAM	20050	1RB#0	21.51	PASS
Band4	20MHz	16QAM	20050	1RB#49	21.84	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.53	PASS
Band4	20MHz	16QAM	20050	50RB#0	20.63	PASS
Band4	20MHz	16QAM	20050	50RB#25	20.62	PASS
Band4	20MHz	16QAM	20050	50RB#50	20.82	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.71	PASS
Band4	20MHz	16QAM	20175	1RB#0	21.57	PASS
Band4	20MHz	16QAM	20175	1RB#49	21.61	PASS





Band4	20MHz	16QAM	20175	1RB#99	21.19	PASS
Band4	20MHz	16QAM	20175	50RB#0	20.63	PASS
Band4	20MHz	16QAM	20175	50RB#25	20.68	PASS
Band4	20MHz	16QAM	20175	50RB#50	20.35	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.45	PASS
Band4	20MHz	16QAM	20300	1RB#0	21.30	PASS
Band4	20MHz	16QAM	20300	1RB#49	21.30	PASS
Band4	20MHz	16QAM	20300	1RB#99	21.30	PASS
Band4	20MHz	16QAM	20300	50RB#0	20.72	PASS
Band4	20MHz	16QAM	20300	50RB#25	20.72	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.37	PASS
Band4	20MHz	16QAM	20300	100RB#0	20.56	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	4.77	13	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	4.42	13	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	4.45	13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	5.63	13	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	5.38	13	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	5.33	13	PASS
Band4	3MHz	QPSK	19965	15RB#0	5.03	13	PASS
Band4	3MHz	QPSK	20175	15RB#0	4.54	13	PASS
Band4	3MHz	QPSK	20385	15RB#0	4.45	13	PASS
Band4	3MHz	16QAM	19965	15RB#0	5.86	13	PASS
Band4	3MHz	16QAM	20175	15RB#0	5.46	13	PASS
Band4	3MHz	16QAM	20385	15RB#0	5.32	13	PASS
Band4	5MHz	QPSK	19975	25RB#0	5.17	13	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.60	13	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.33	13	PASS
Band4	5MHz	16QAM	19975	25RB#0	6.03	13	PASS
Band4	5MHz	16QAM	20175	25RB#0	5.49	13	PASS
Band4	5MHz	16QAM	20375	25RB#0	5.21	13	PASS
Band4	10MHz	QPSK	20000	50RB#0	5.48	13	PASS
Band4	10MHz	QPSK	20175	50RB#0	4.69	13	PASS
Band4	10MHz	QPSK	20350	50RB#0	4.19	13	PASS
Band4	10MHz	16QAM	20000	50RB#0	6.23	13	PASS
Band4	10MHz	16QAM	20175	50RB#0	5.56	13	PASS
Band4	10MHz	16QAM	20350	50RB#0	5.09	13	PASS
Band4	15MHz	QPSK	20025	75RB#0	5.87	13	PASS
Band4	15MHz	QPSK	20175	75RB#0	5.06	13	PASS
Band4	15MHz	QPSK	20325	75RB#0	4.35	13	PASS
Band4	15MHz	16QAM	20025	75RB#0	6.47	13	PASS
Band4	15MHz	16QAM	20175	75RB#0	5.82	13	PASS
Band4	15MHz	16QAM	20325	75RB#0	5.30	13	PASS
Band4	20MHz	QPSK	20050	100RB#0	5.59	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	5.13	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	4.69	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



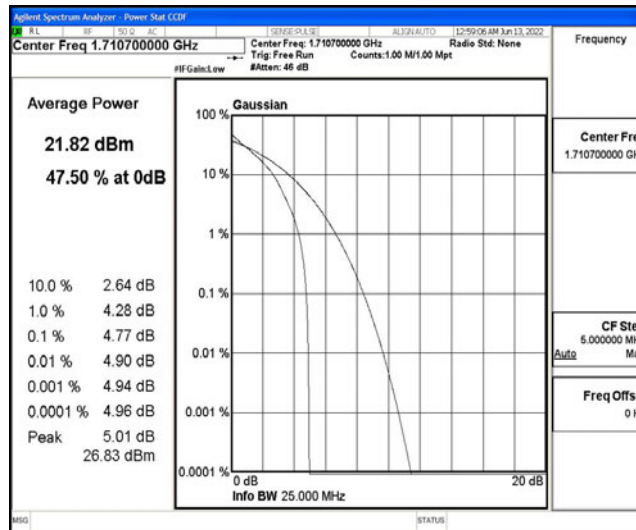
Band4	20MHz	16QAM	20050	100RB#0	6.39	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	5.94	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	5.47	13	PASS



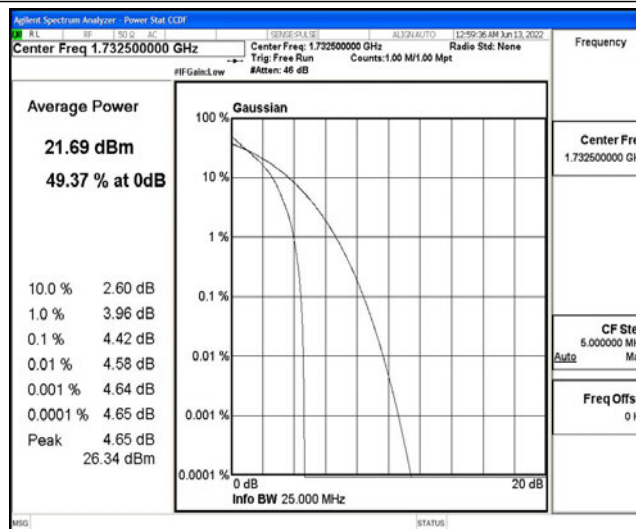


Test Graphs

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

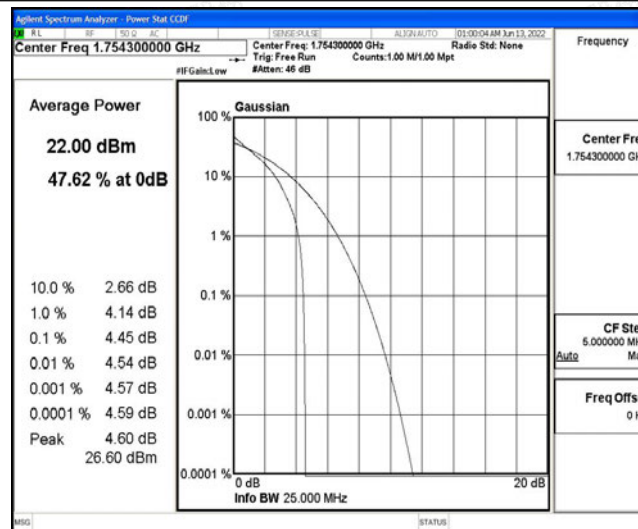


Band4-1.4MHz-QPSK-20175-6RB#0

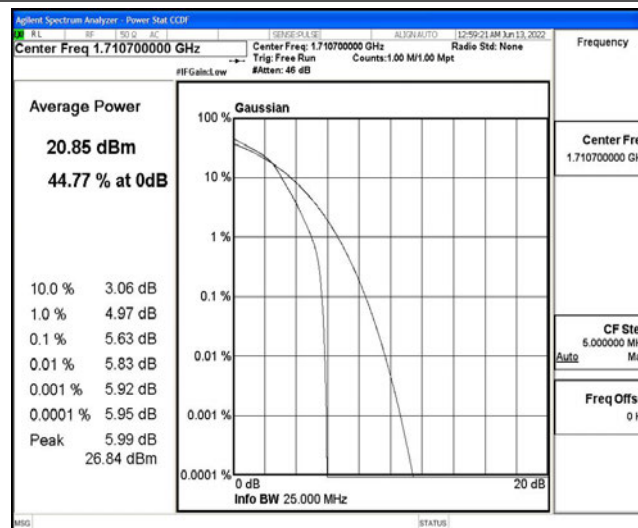


Band4-1.4MHz-QPSK-20393-6RB#0

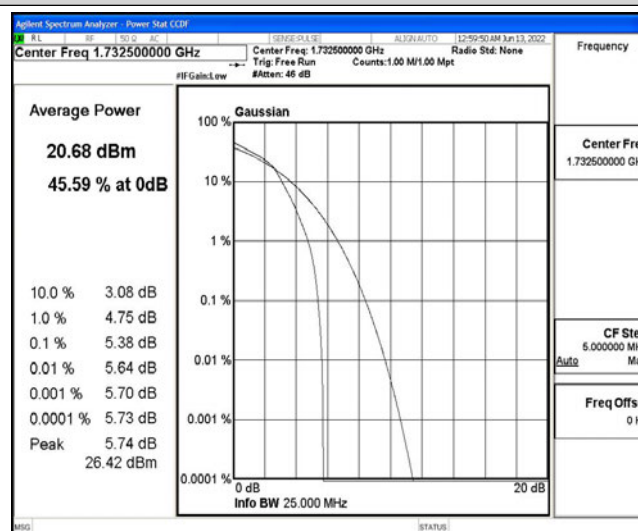




Band4-1.4MHz-16QAM-19957-6RB#0

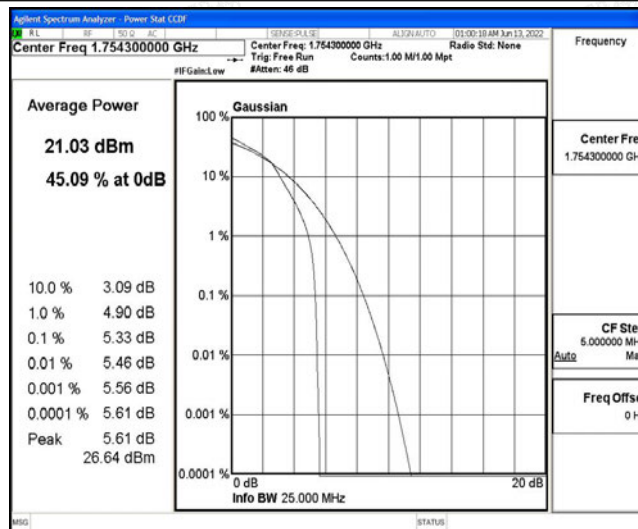


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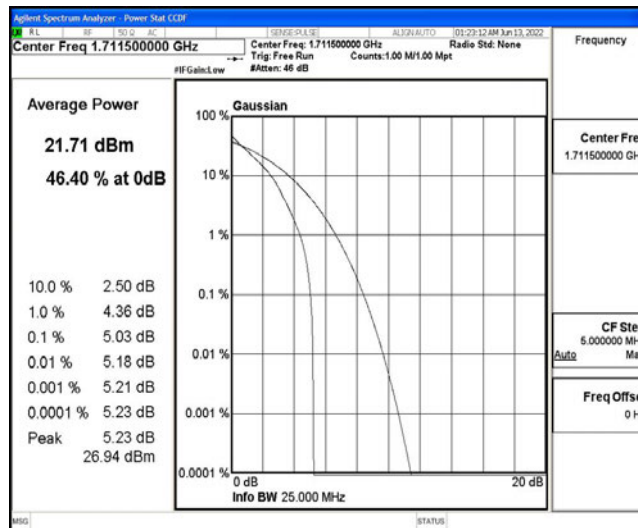


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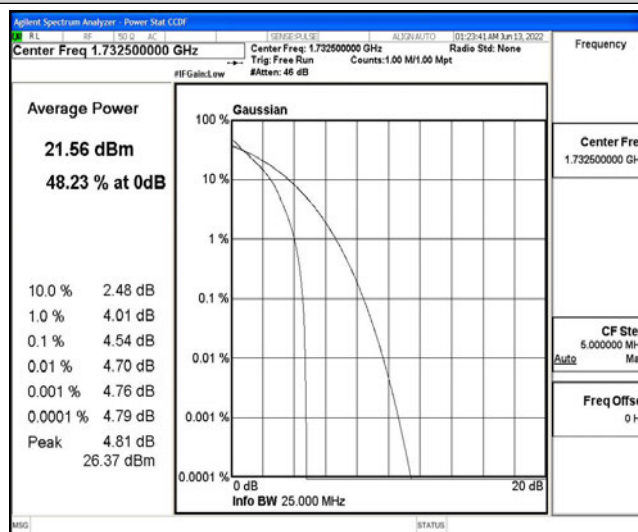




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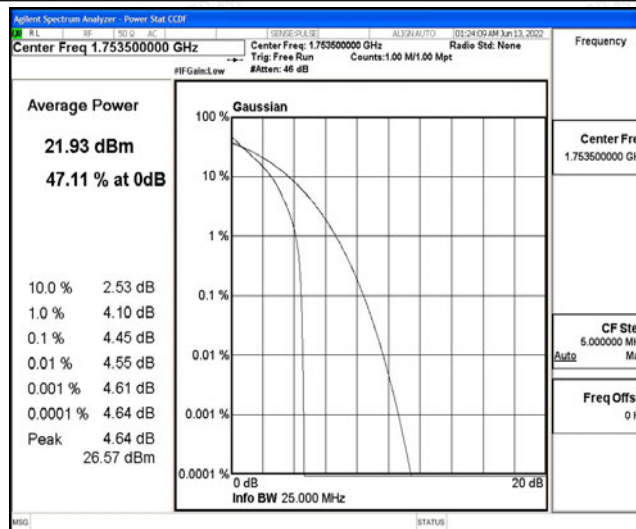


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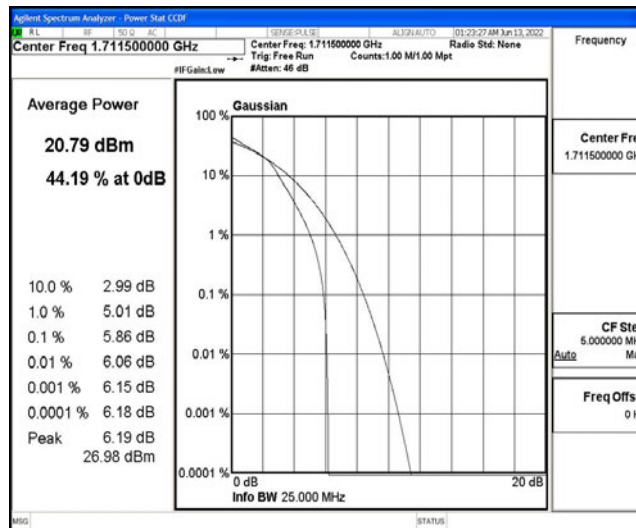


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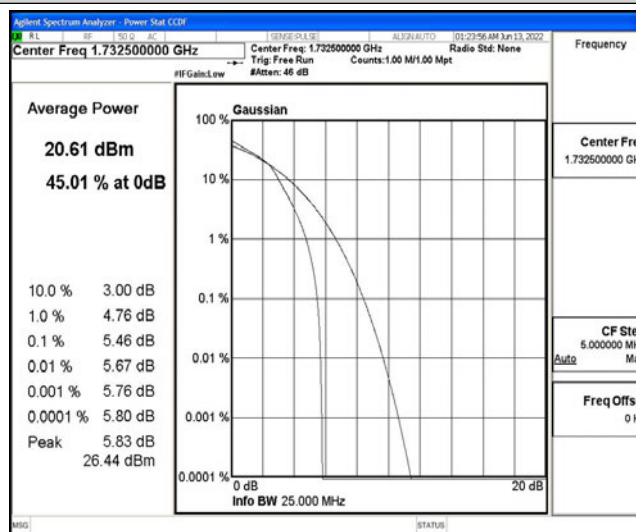




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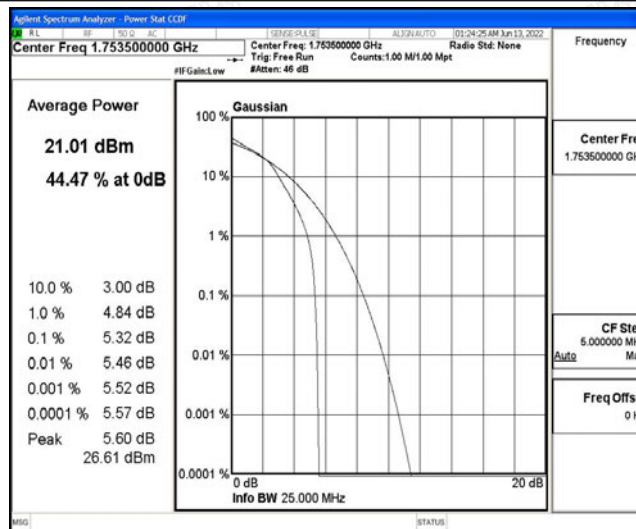


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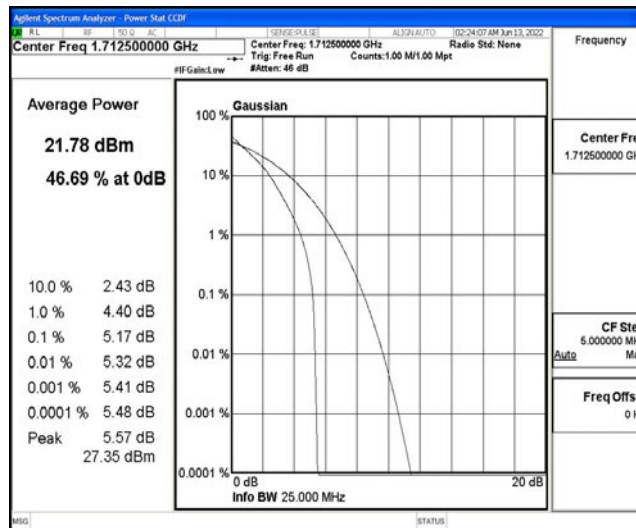


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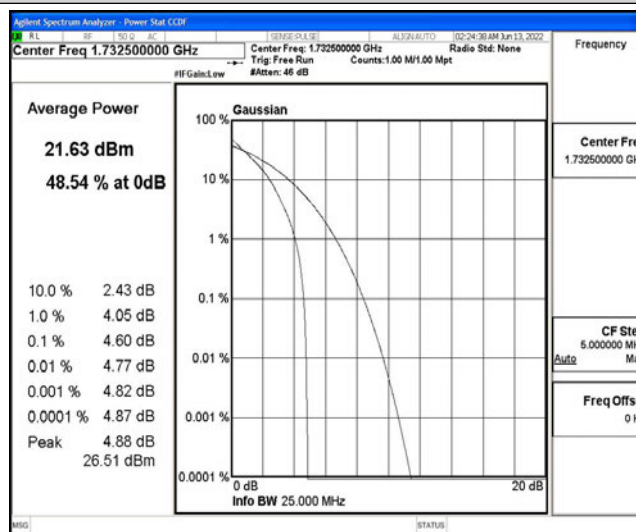




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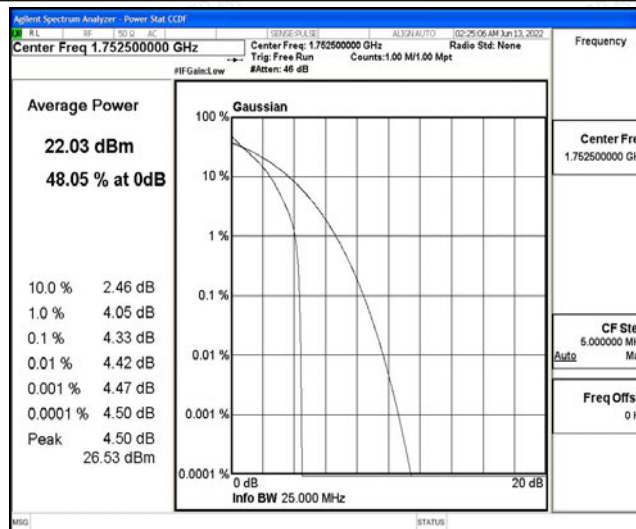


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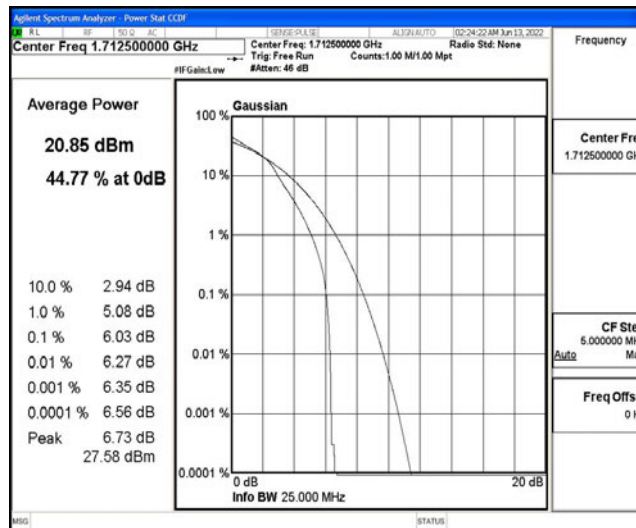


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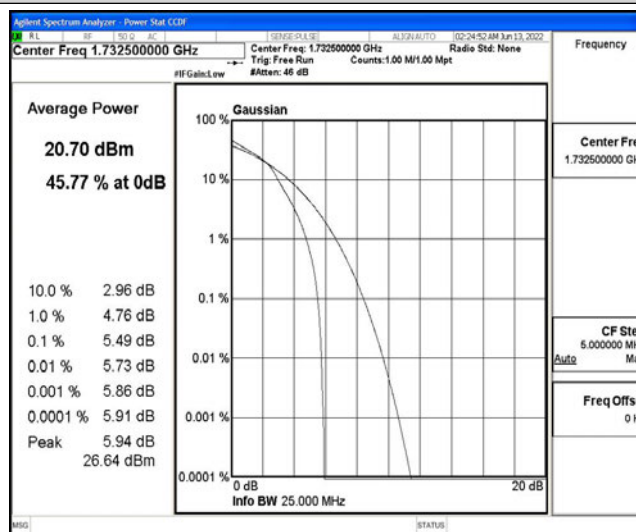




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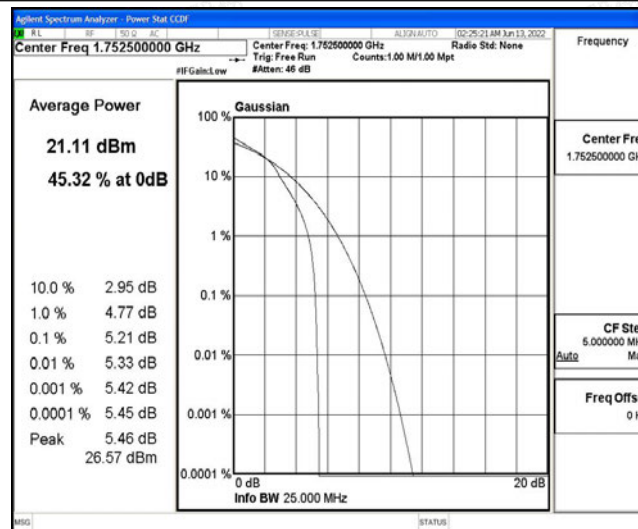


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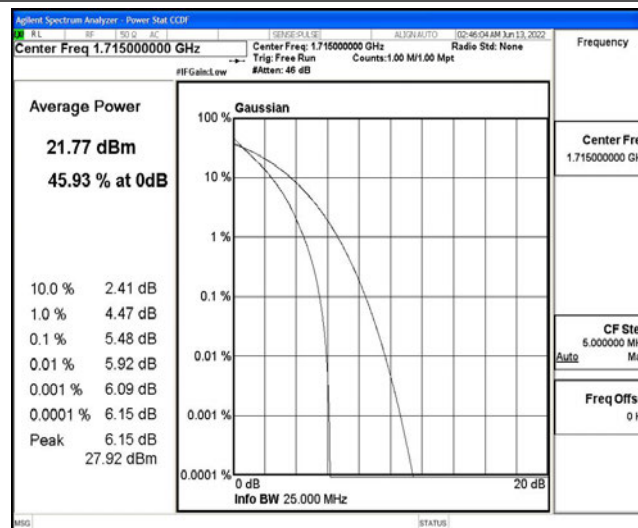


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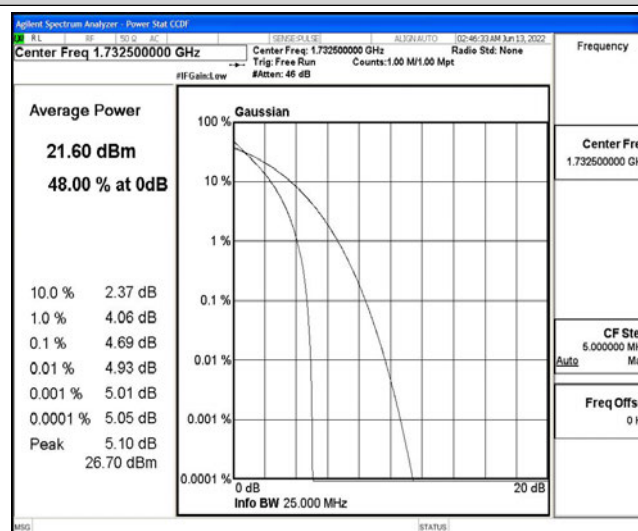




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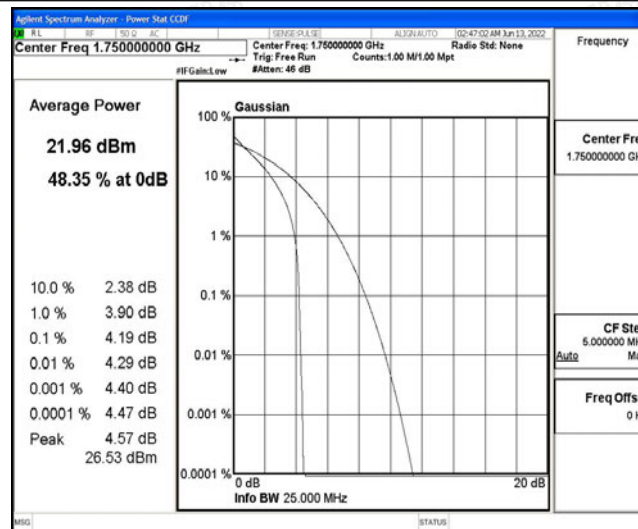


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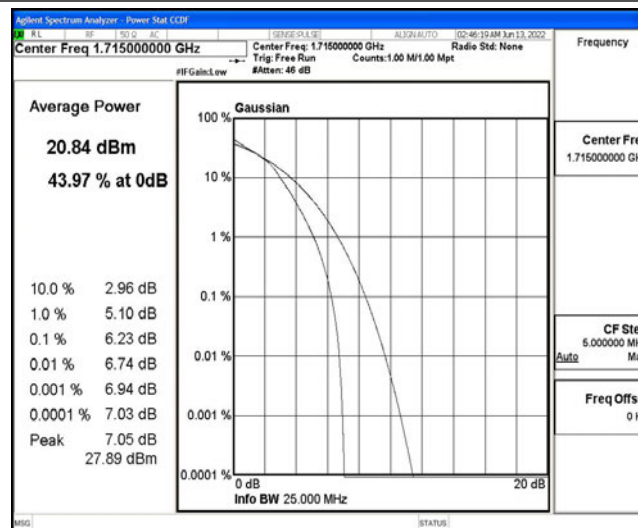


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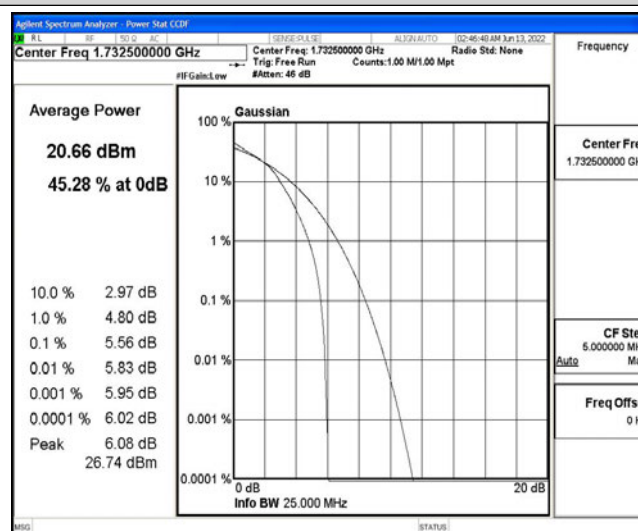




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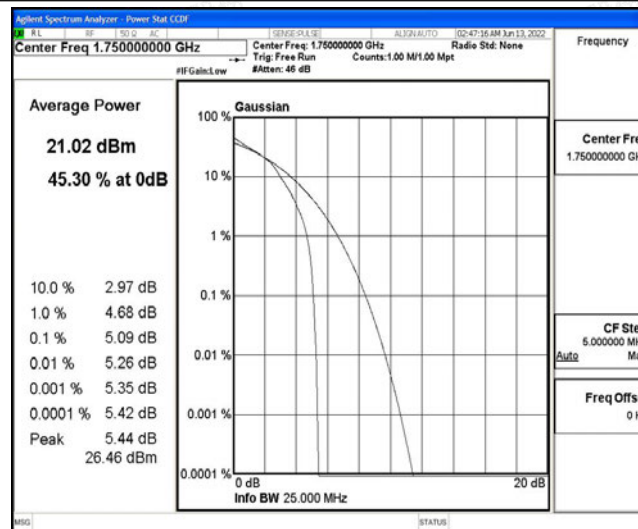


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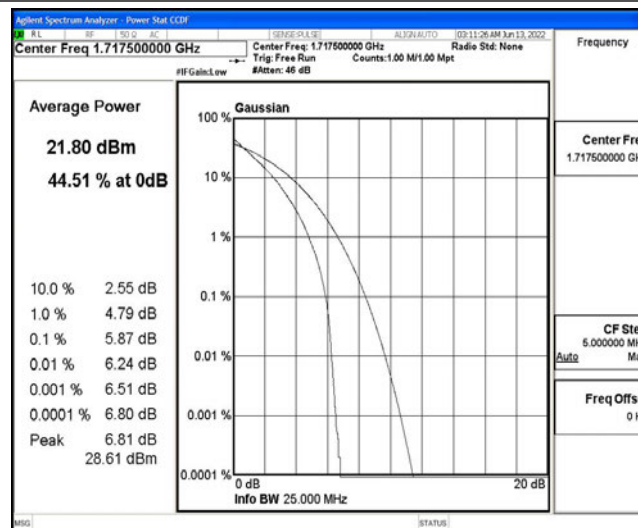


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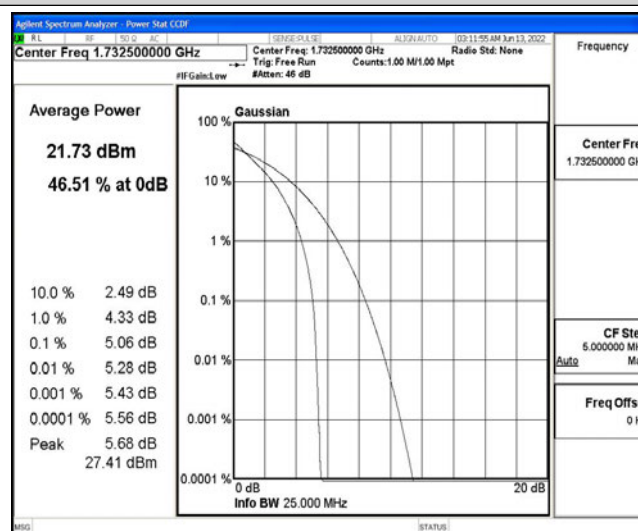




Band4-15MHz-QPSK-20025-75RB#0

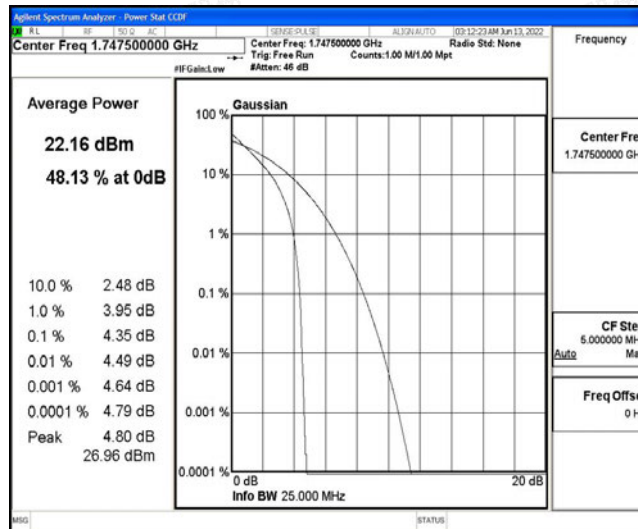


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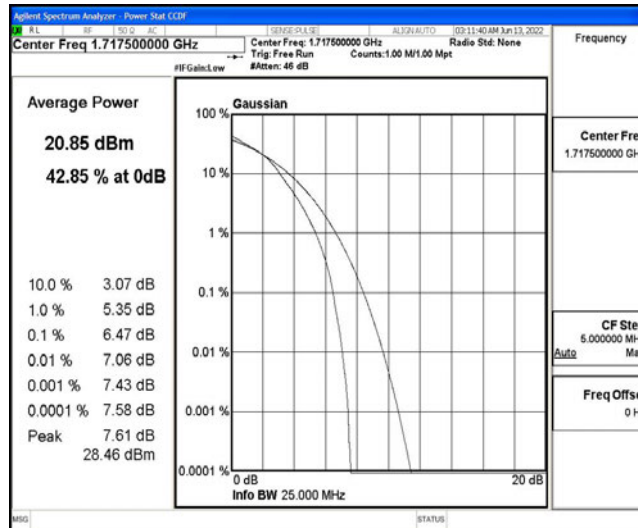


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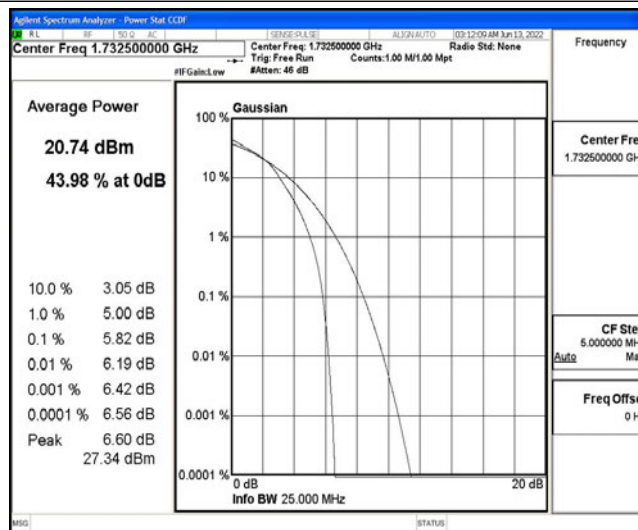




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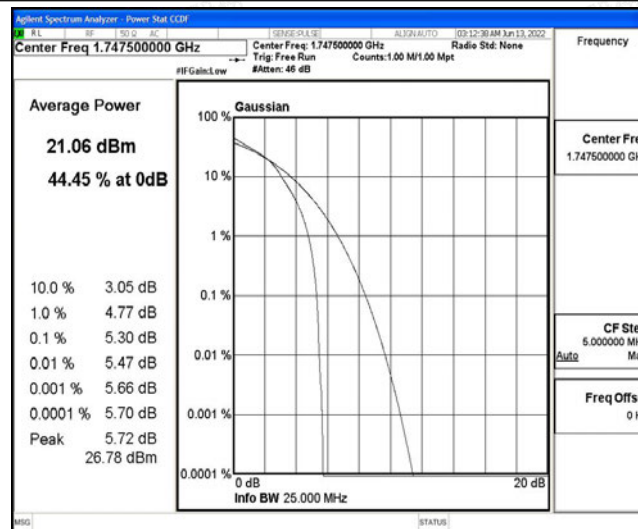


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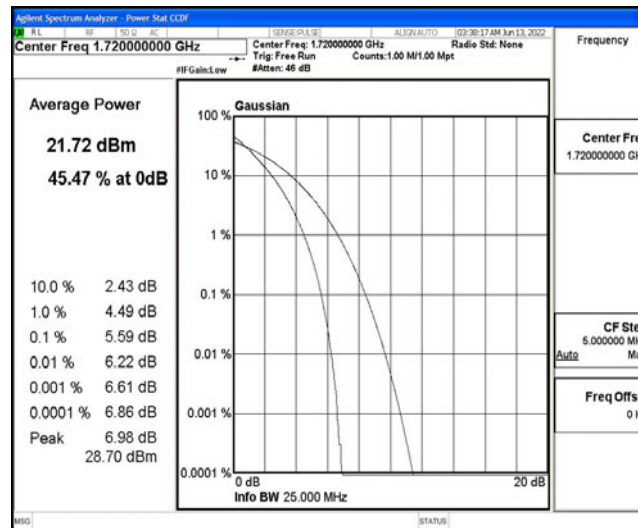


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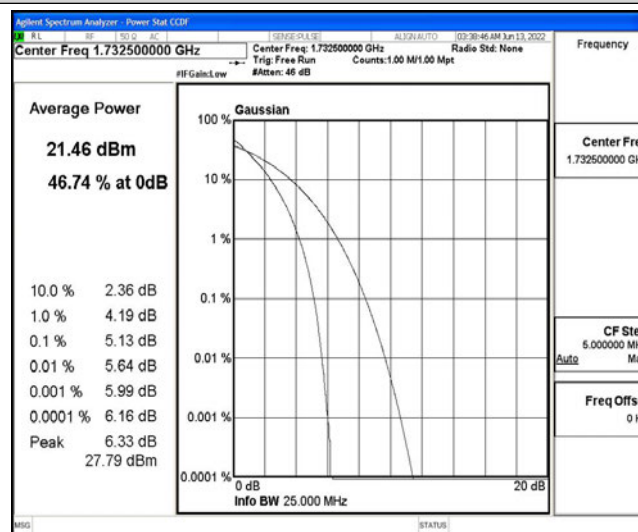




Band4-20MHz-QPSK-20050-100RB#0

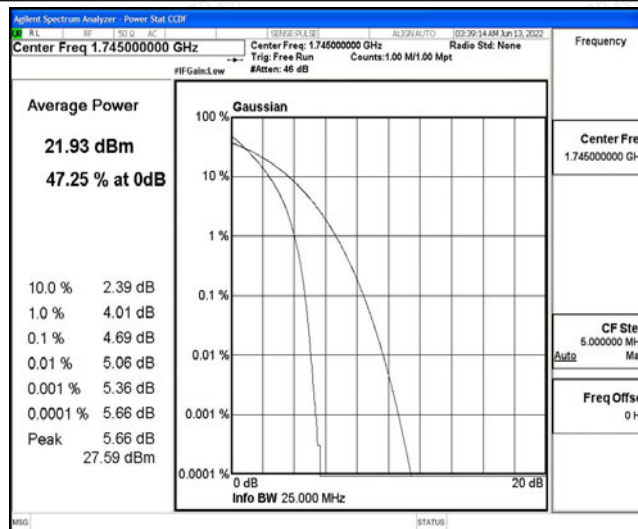


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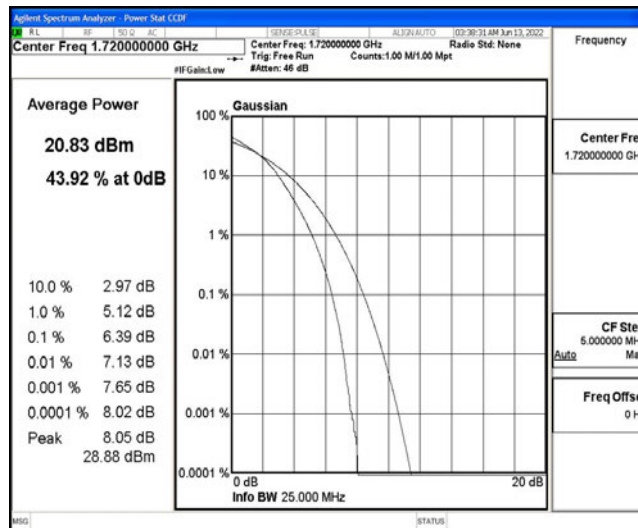


Band4-20MHz-QPSK-20300-100RB#0

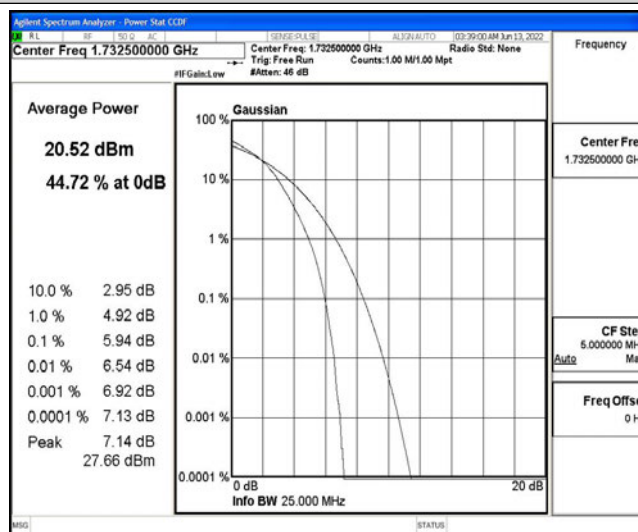




Band4-20MHz-16QAM-20050-100RB#0

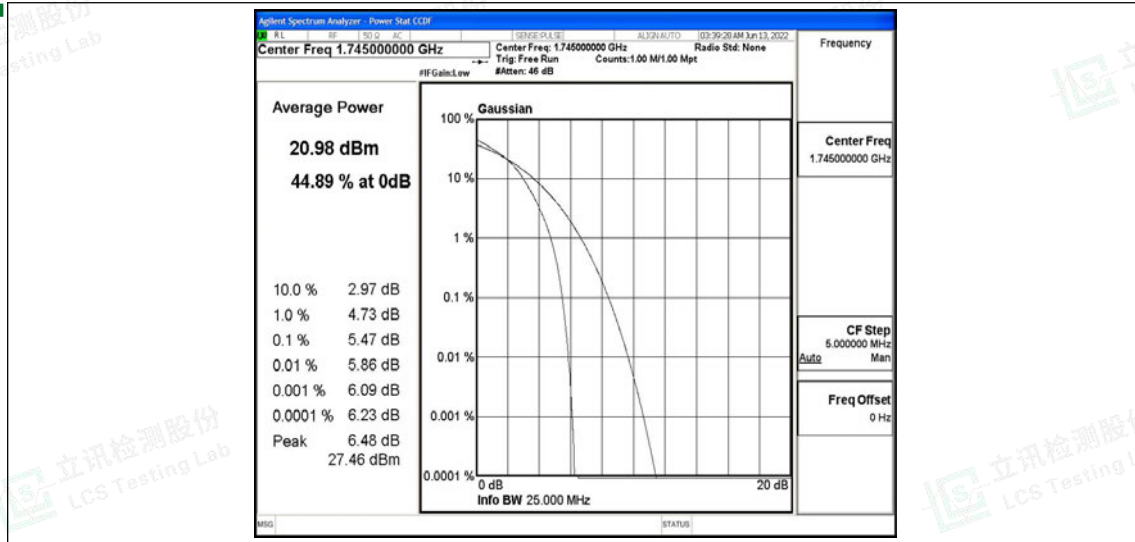


Band4-20MHz-16QAM-20175-100RB#0



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







E.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	1.0913	1.281	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.0912	1.284	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.0913	1.275	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.1002	1.289	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.0946	1.301	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.0962	1.278	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.6824	2.866	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.6827	2.876	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.6874	2.903	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.6790	2.905	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.6739	2.900	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.6799	2.901	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.5007	4.937	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.4950	4.923	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.4963	4.959	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.4906	4.897	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.4885	4.907	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.4961	4.963	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.9986	9.782	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.9935	9.766	PASS
Band4	10MHz	QPSK	20350	50RB#0	9.0022	9.748	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.9855	9.744	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.9800	9.672	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.9889	9.746	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.508	14.58	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.463	14.59	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.518	14.57	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.520	14.66	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.439	14.58	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.509	14.64	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.971	19.31	PASS





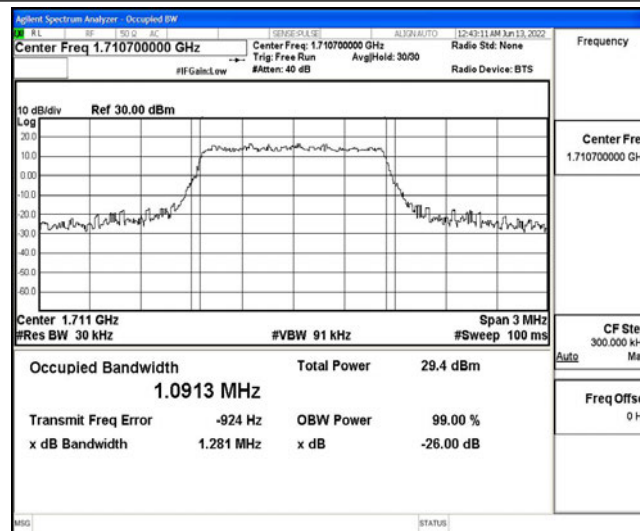
Band4	20MHz	QPSK	20175	100RB#0	17.865	19.25	PASS
Band4	20MHz	QPSK	20300	100RB#0	18.000	19.55	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.951	19.34	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.872	19.25	PASS
Band4	20MHz	16QAM	20300	100RB#0	18.001	19.39	PASS



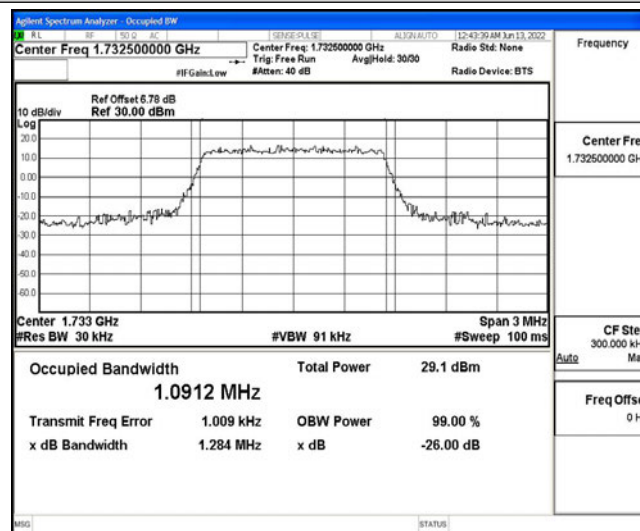


Test Graphs

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

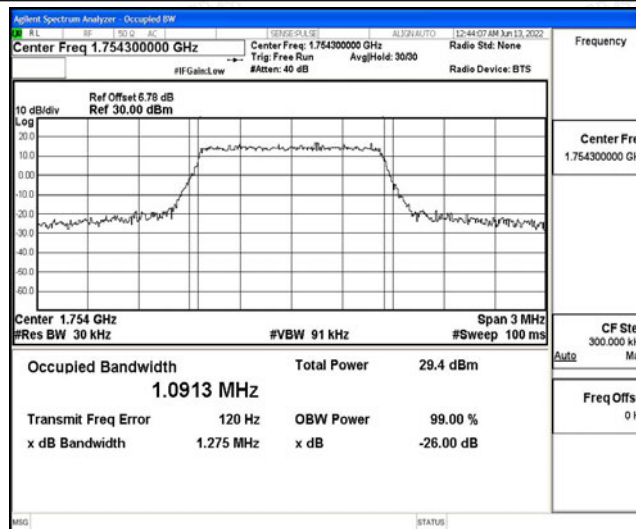


Band4-1.4MHz-QPSK-20175-6RB#0

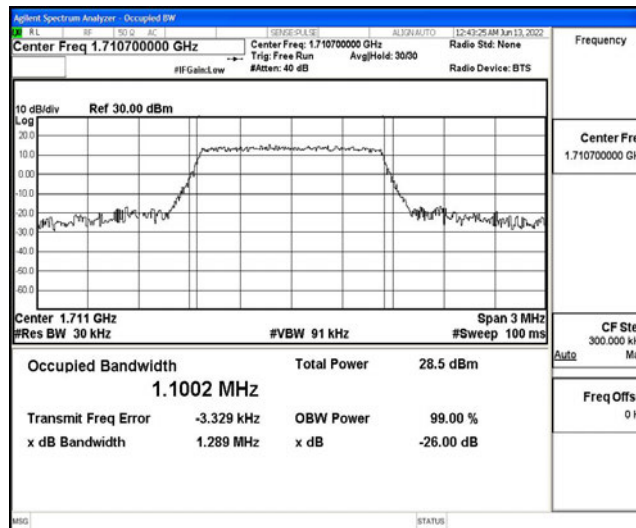


Band4-1.4MHz-QPSK-20393-6RB#0

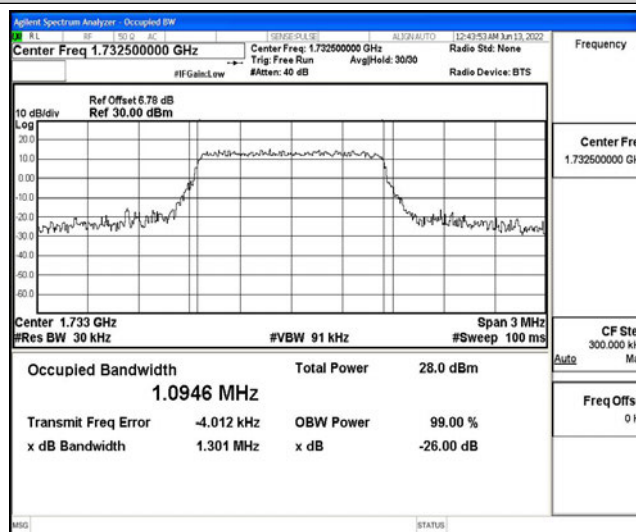




Band4-1.4MHz-16QAM-19957-6RB#0

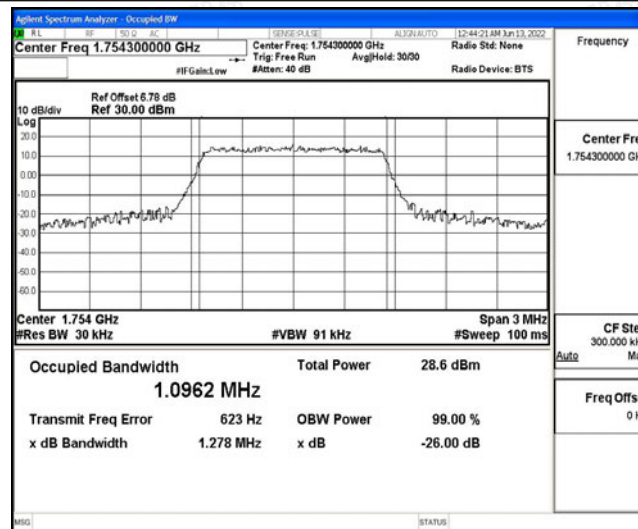


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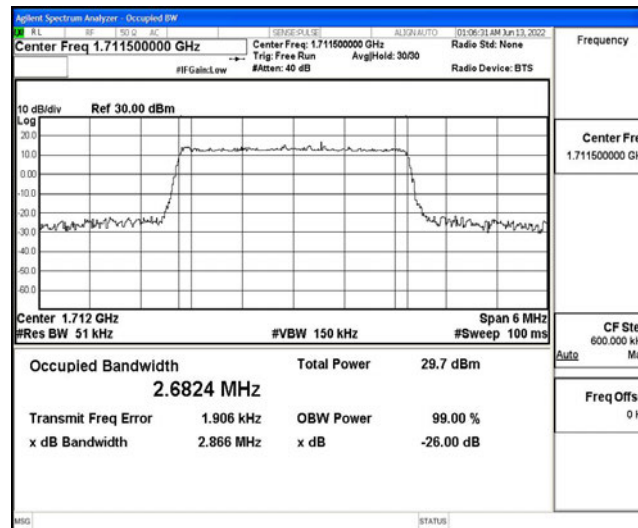


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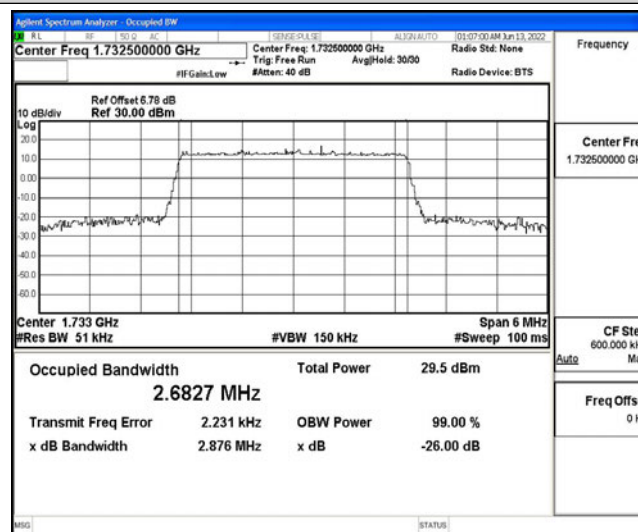




Band4-3MHz-QPSK-19965-15RB#0

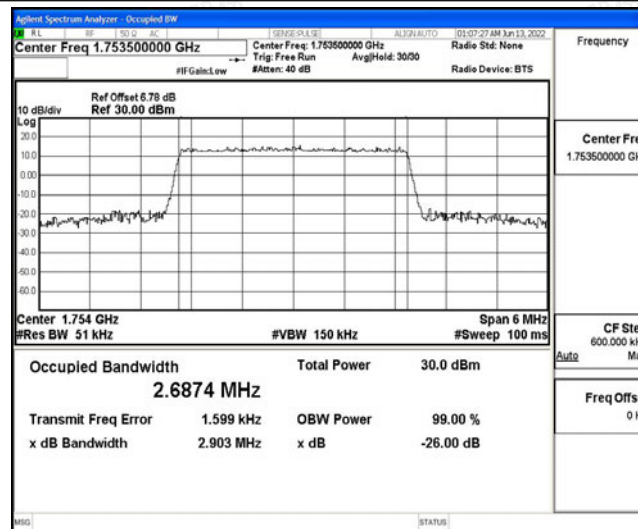


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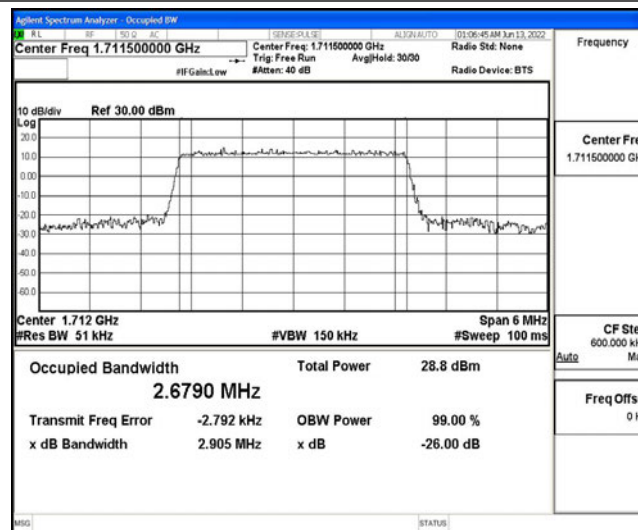


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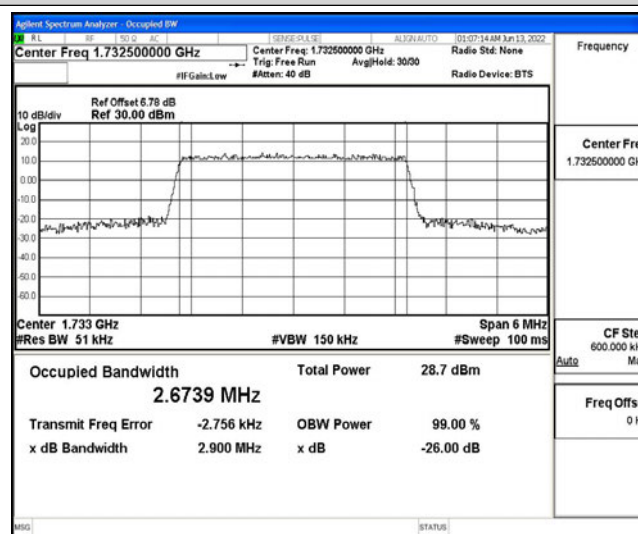




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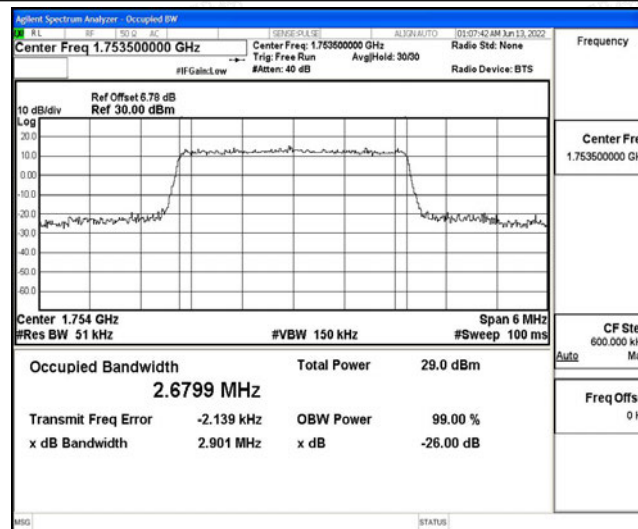


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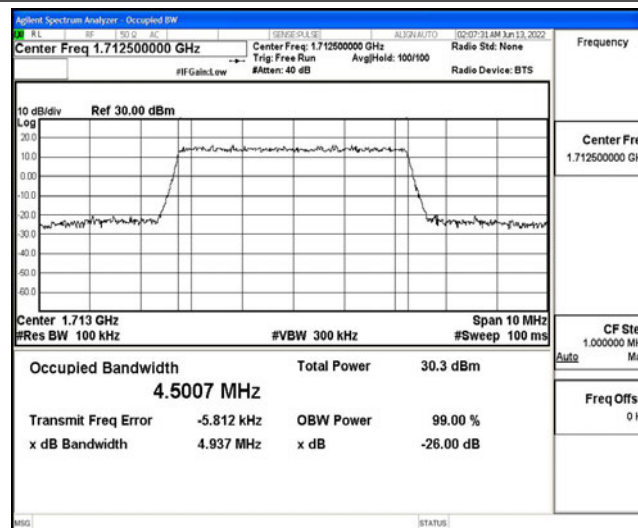


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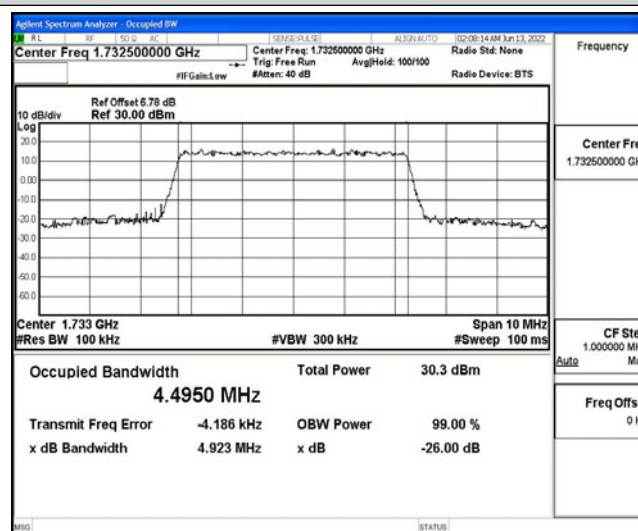




Band4-5MHz-QPSK-19975-25RB#0

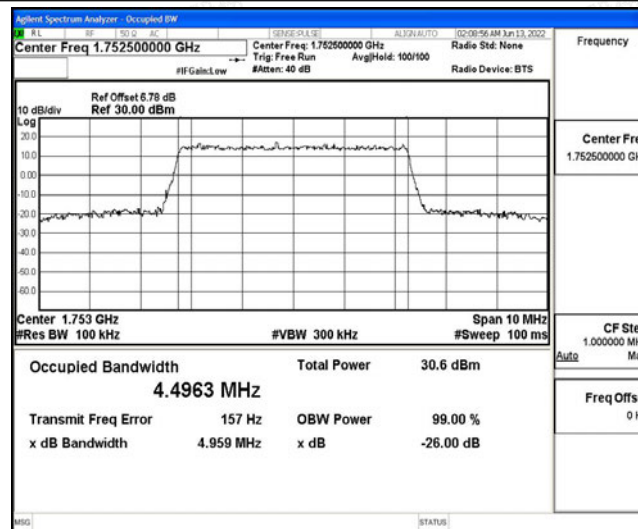


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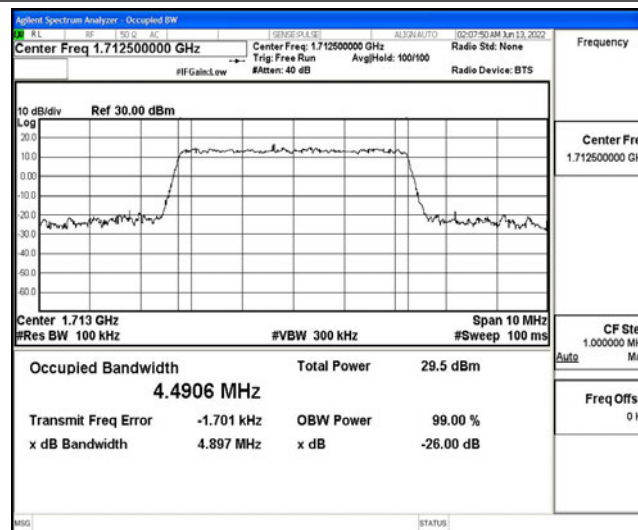


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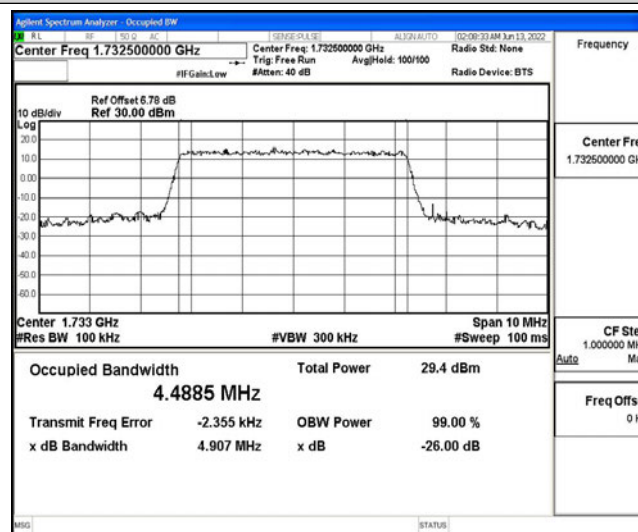




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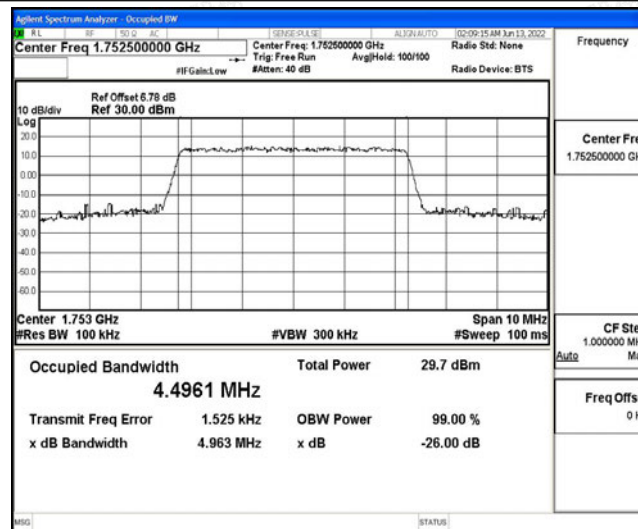


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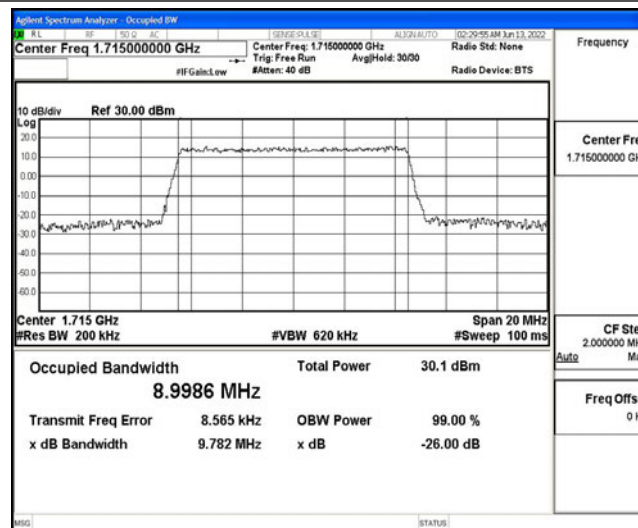


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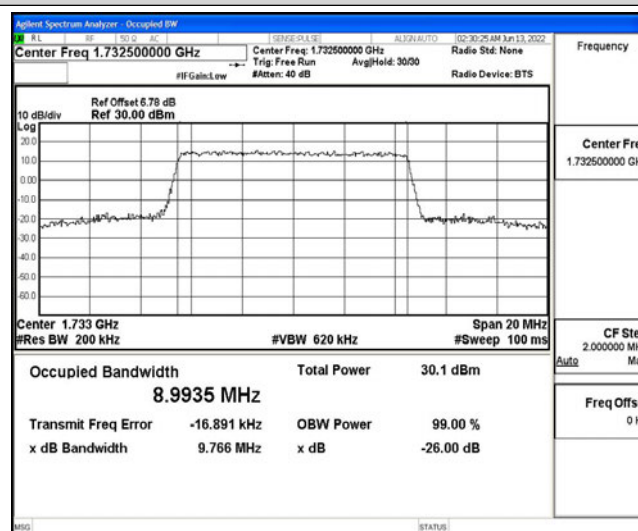




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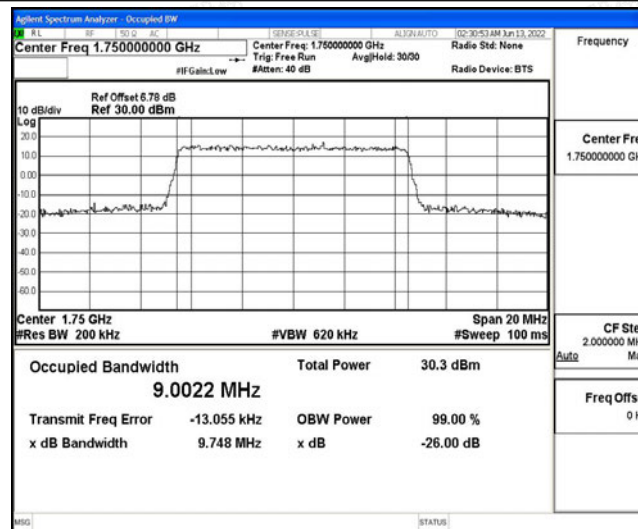


Band4-10MHz-QPSK-20175-50RB#0

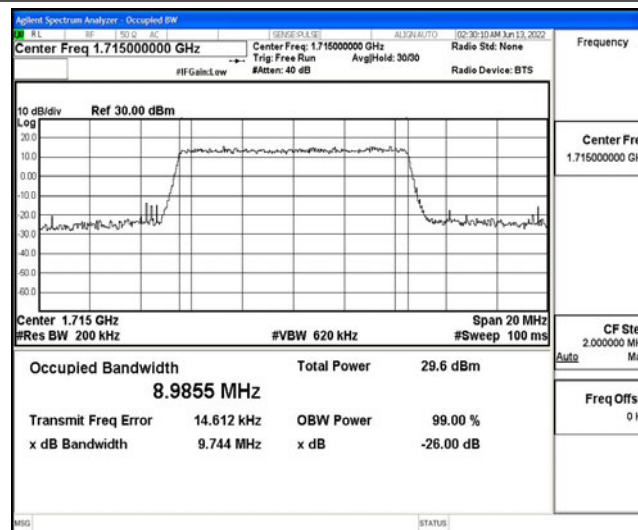


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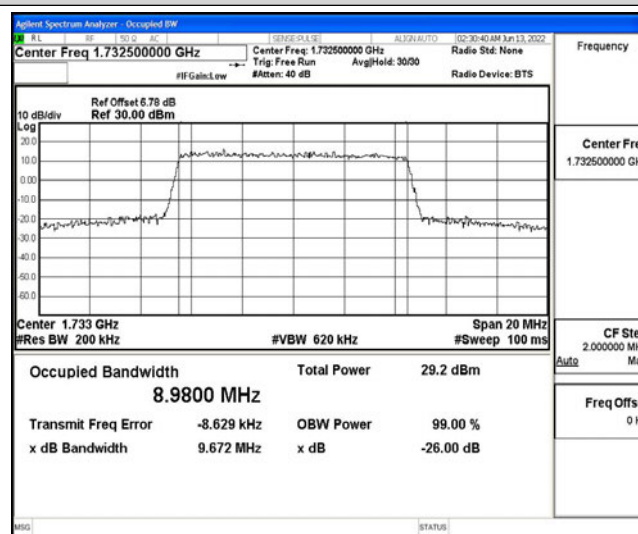




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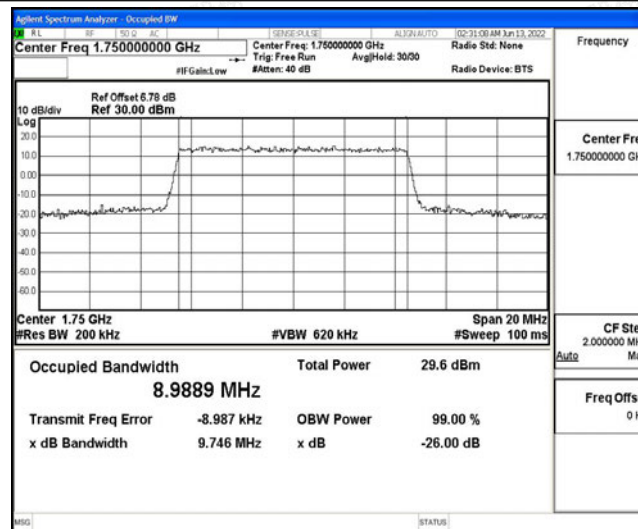


Band4-10MHz-16QAM-20175-50RB#0

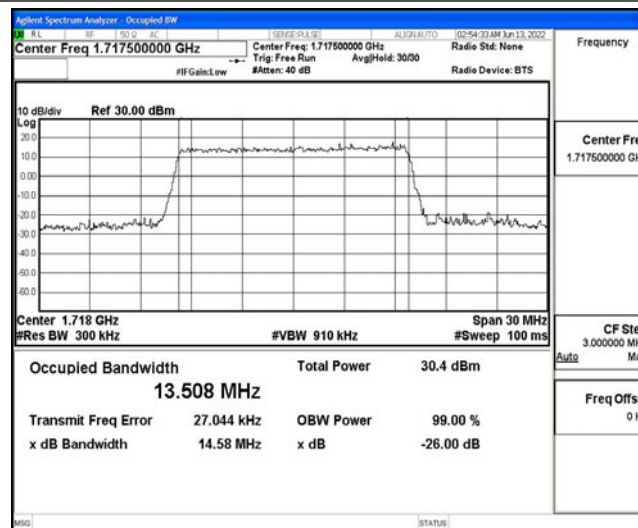


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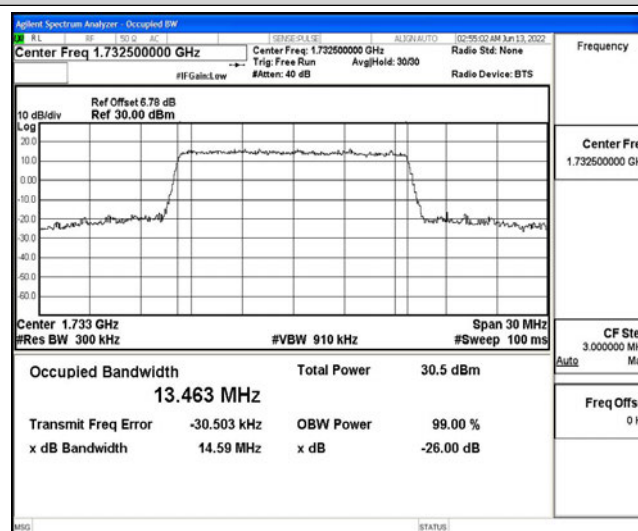




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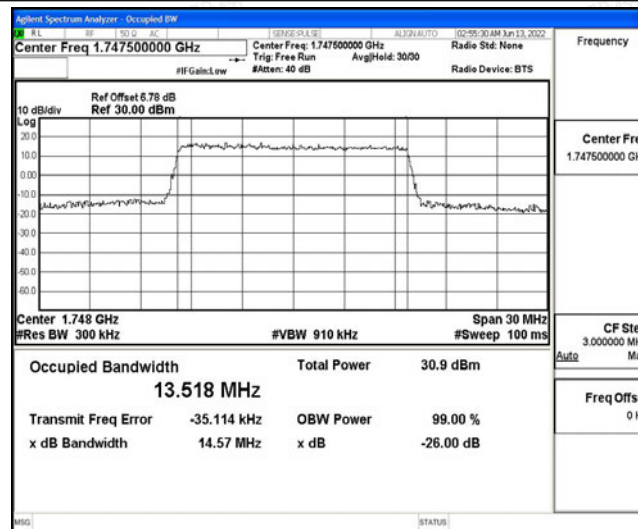


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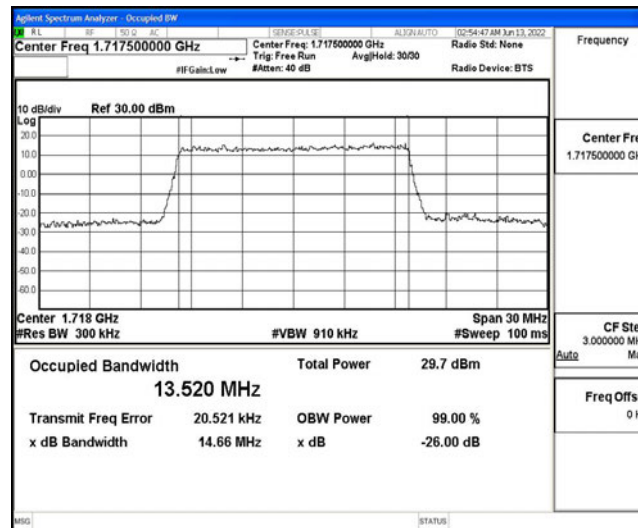


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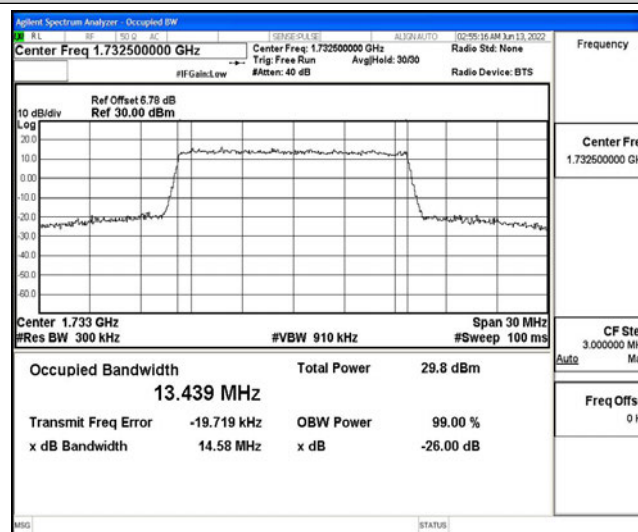




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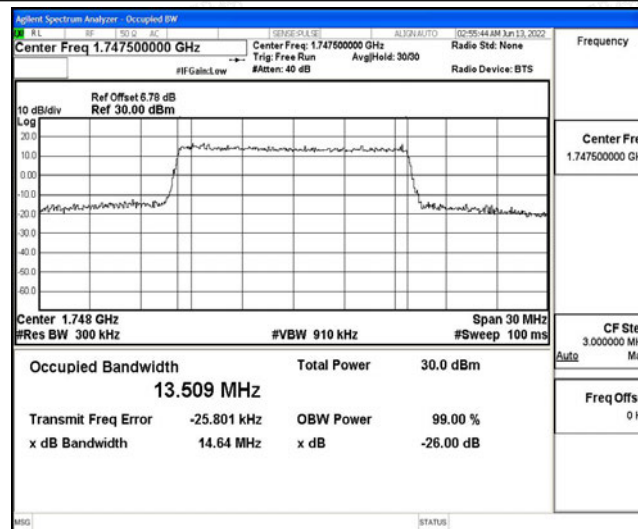


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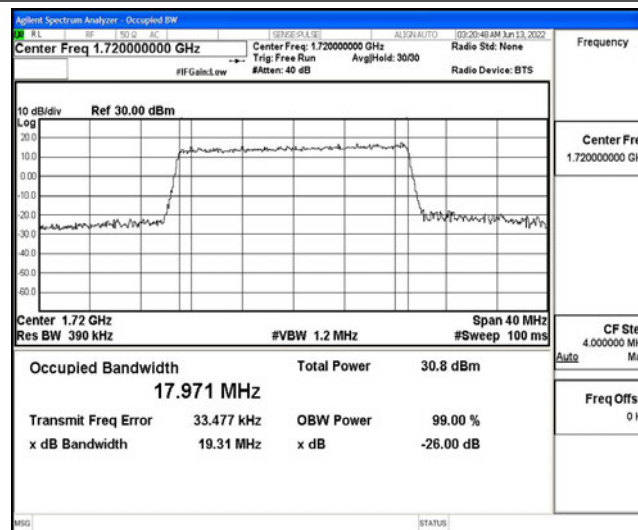


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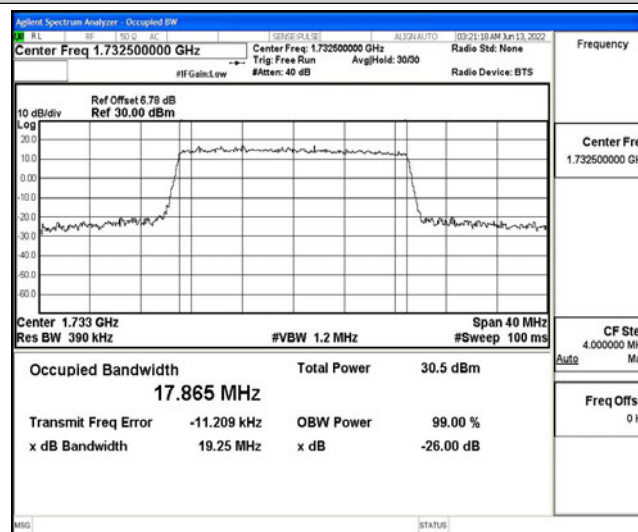




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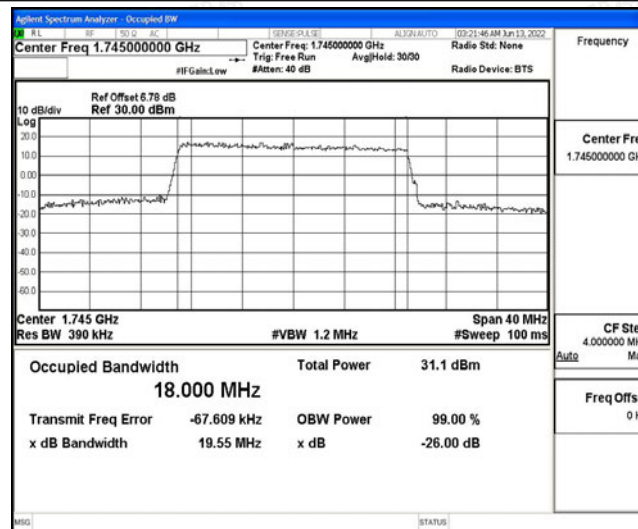


Band4-20MHz-QPSK-20175-100RB#0

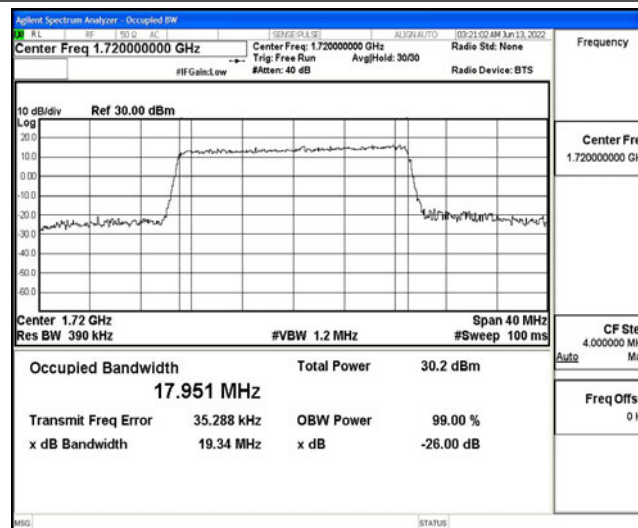


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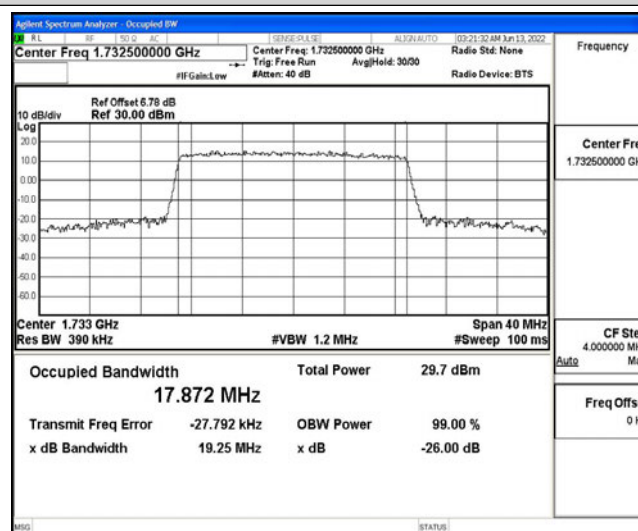




Band4-20MHz-16QAM-20050-100RB#0

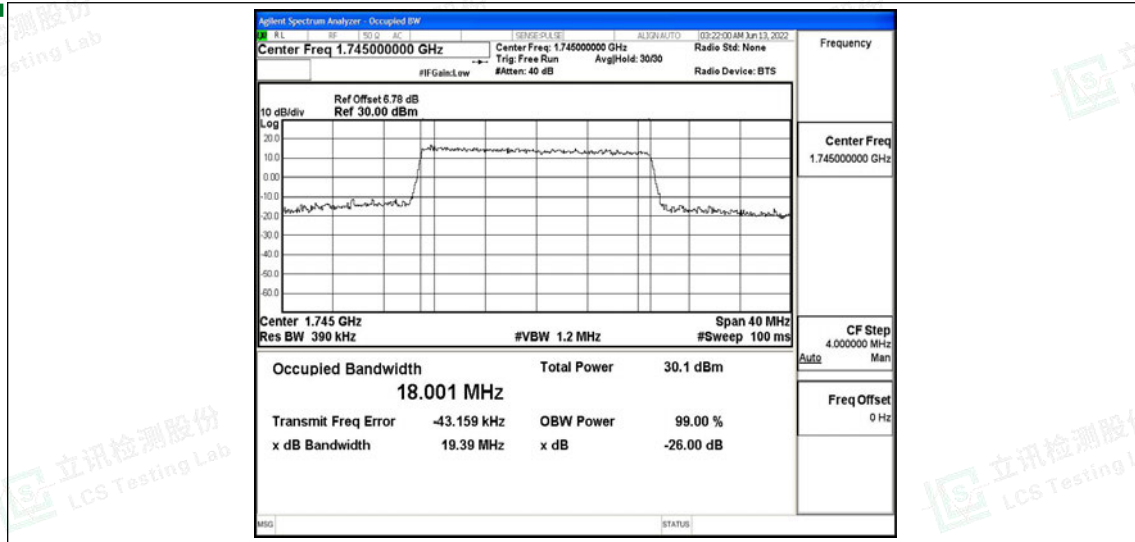


Band4-20MHz-16QAM-20175-100RB#0



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







E.4 Band Edge

Test Result

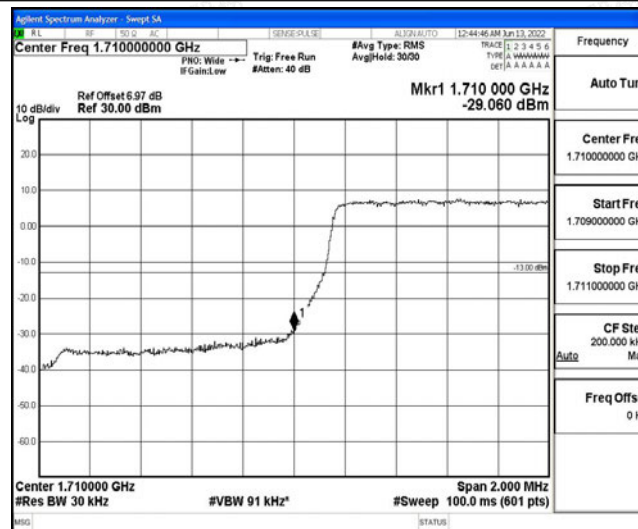
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	-29.06	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-28.05	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-28.60	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-28.30	PASS
Band4	3MHz	QPSK	19965	15RB#0	-30.91	PASS
Band4	3MHz	QPSK	20385	15RB#0	-30.41	PASS
Band4	3MHz	16QAM	19965	15RB#0	-30.89	PASS
Band4	3MHz	16QAM	20385	15RB#0	-30.92	PASS
Band4	5MHz	QPSK	19975	25RB#0	-29.32	PASS
Band4	5MHz	QPSK	20375	25RB#0	-27.53	PASS
Band4	5MHz	16QAM	19975	25RB#0	-29.76	PASS
Band4	5MHz	16QAM	20375	25RB#0	-28.70	PASS
Band4	10MHz	QPSK	20000	50RB#0	-32.64	PASS
Band4	10MHz	QPSK	20350	50RB#0	-27.39	PASS
Band4	10MHz	16QAM	20000	50RB#0	-32.88	PASS
Band4	10MHz	16QAM	20350	50RB#0	-28.97	PASS
Band4	15MHz	QPSK	20025	75RB#0	-33.44	PASS
Band4	15MHz	QPSK	20325	75RB#0	-23.40	PASS
Band4	15MHz	16QAM	20025	75RB#0	-33.01	PASS
Band4	15MHz	16QAM	20325	75RB#0	-27.83	PASS
Band4	20MHz	QPSK	20050	100RB#0	-33.81	PASS
Band4	20MHz	QPSK	20300	100RB#0	-26.78	PASS
Band4	20MHz	16QAM	20050	100RB#0	-32.99	PASS
Band4	20MHz	16QAM	20300	100RB#0	-28.52	PASS

Test Graphs

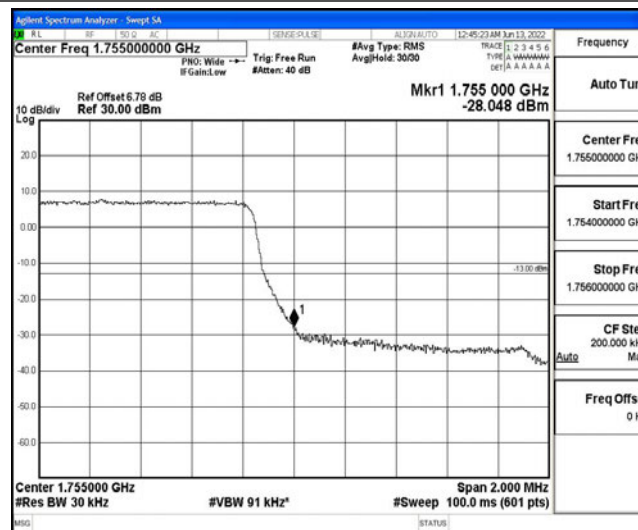
Band4-1.4MHz-QPSK-19957-6RB#0



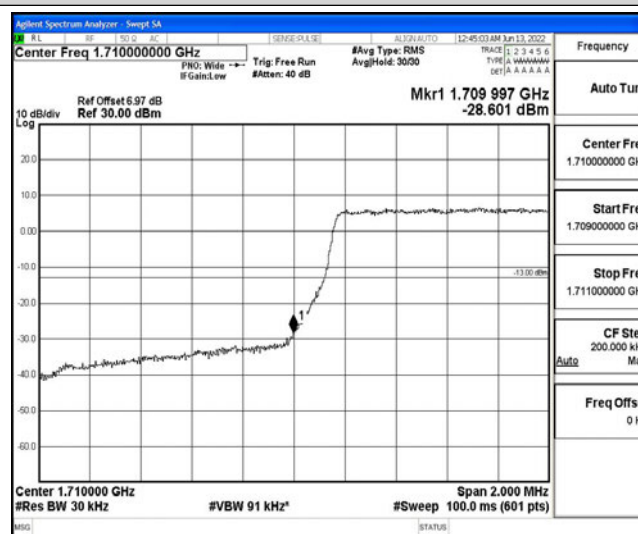
Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity



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

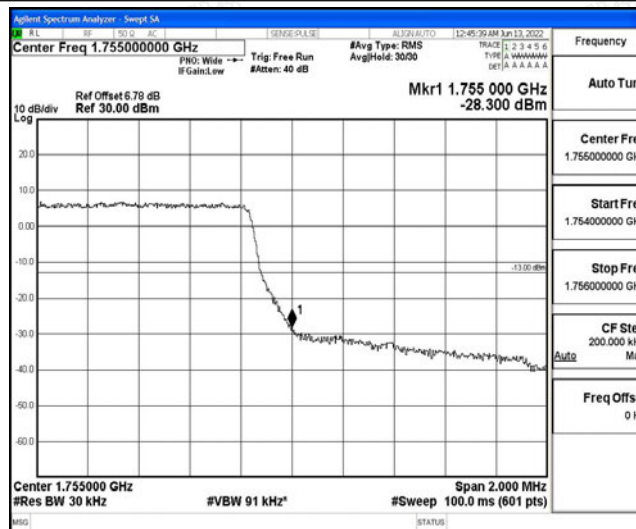


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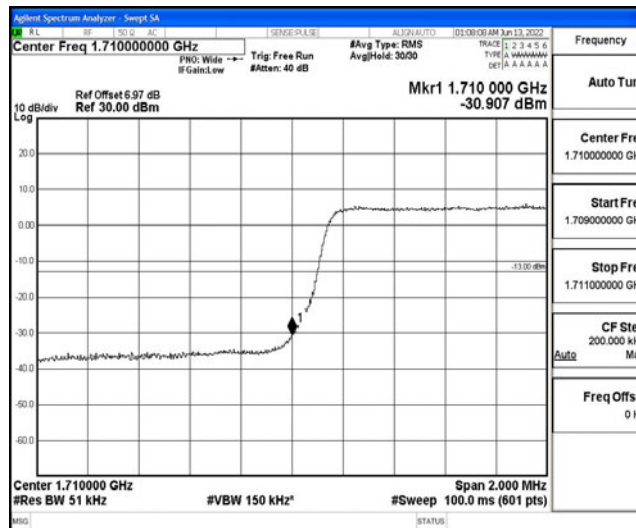


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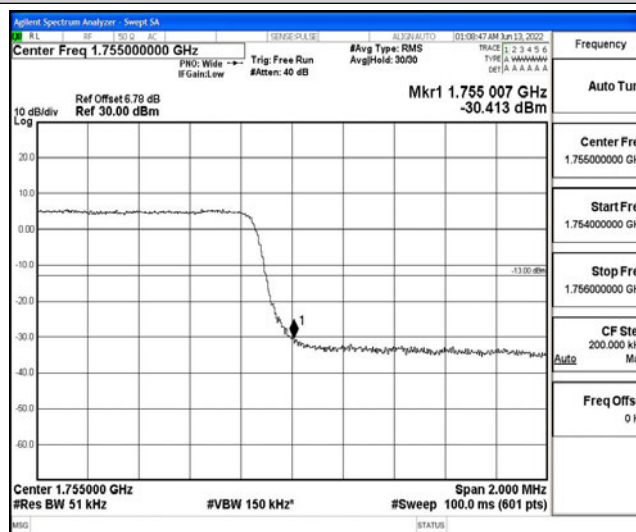




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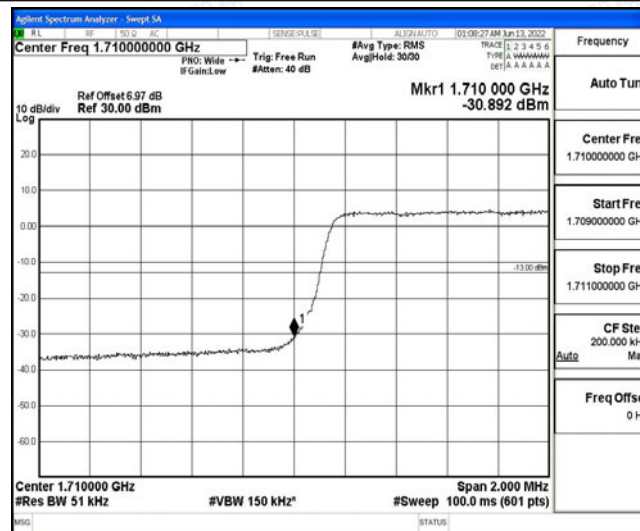
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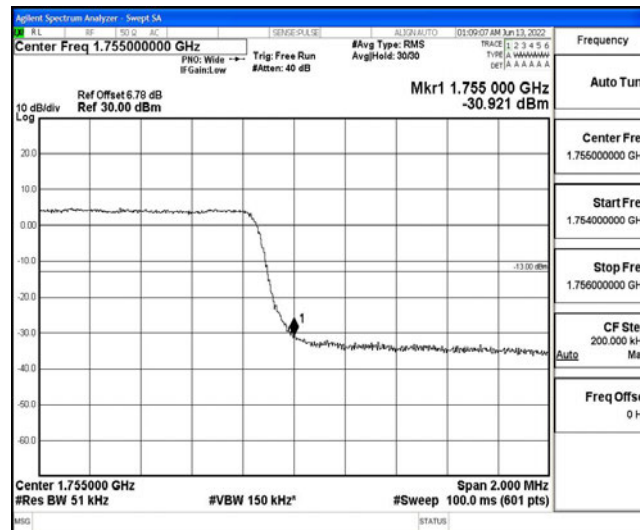
Band4-3MHz-16QAM-19965-15RB#0



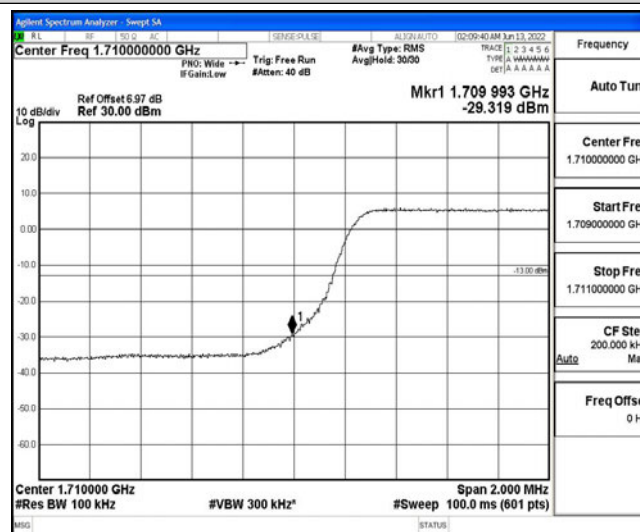
Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity



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

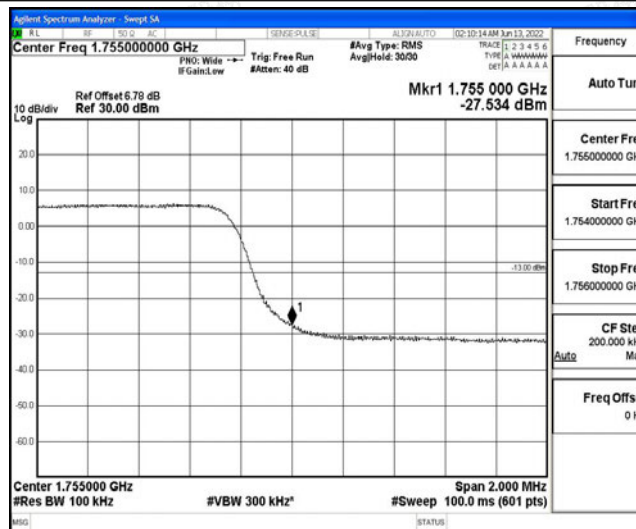


Band4-5MHz-QPSK-19975-25RB#0

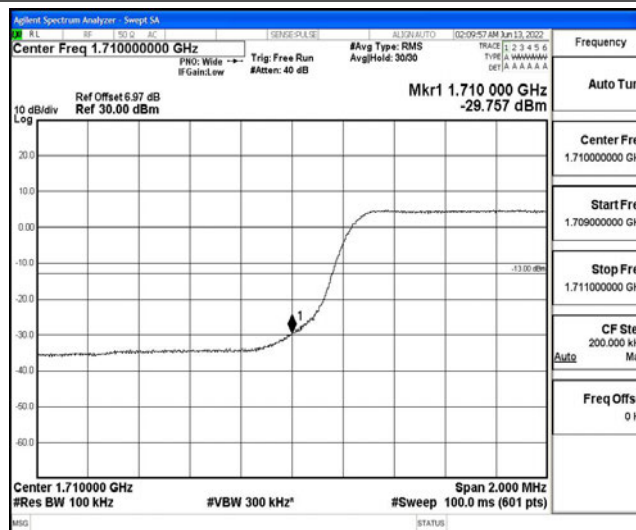


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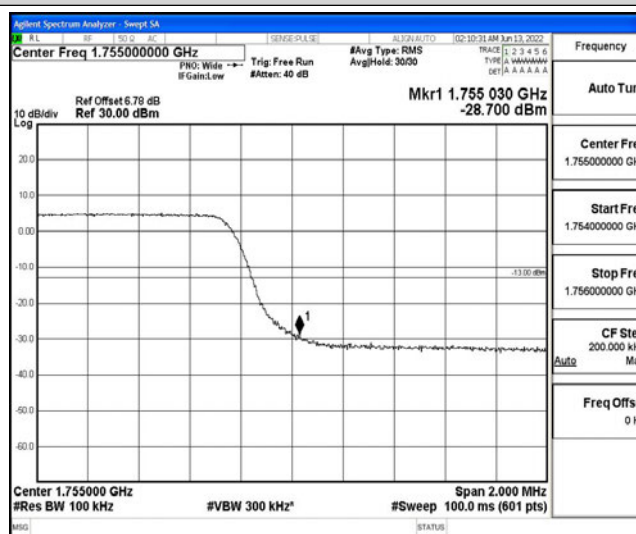




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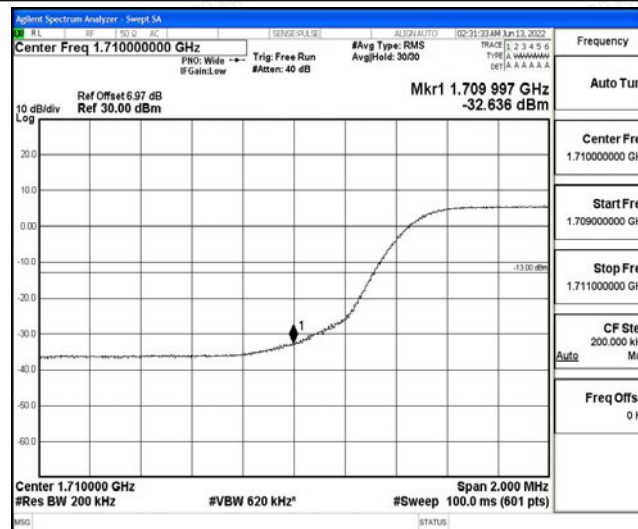


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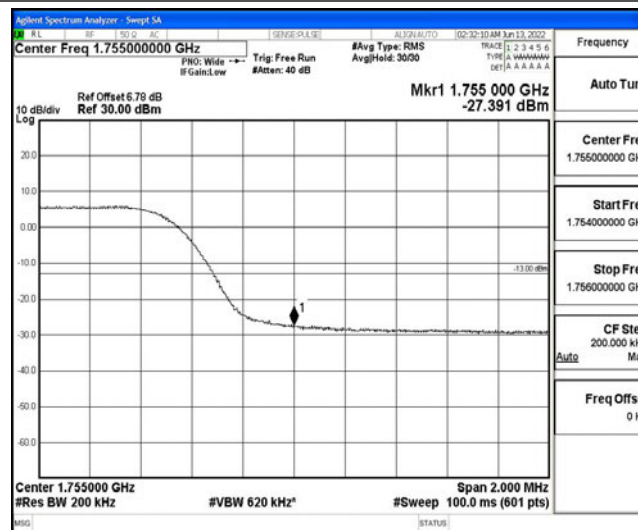


Band4-10MHz-QPSK-20000-50RB#0

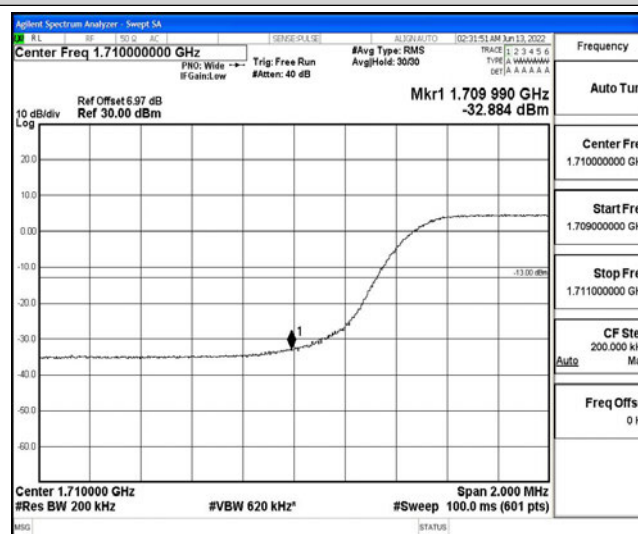




Band4-10MHz-QPSK-20350-50RB#0



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



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

