



Appendix M: Test Data for E-UTRA Band 66

Product Name: Smartphone

Test Model: J24

Environmental Conditions

Temperature:	23.8°C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Paddi Chen
Supervised by:	Nick Peng



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



M.1 Conducted Output Power Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	22.48	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	21.24	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	22.68	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	21.39	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	22.49	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	21.23	PASS
Band66	1.4MHz	QPSK	131979	3RB#0	22.59	PASS
Band66	1.4MHz	16QAM	131979	3RB#0	21.30	PASS
Band66	1.4MHz	QPSK	131979	3RB#1	22.57	PASS
Band66	1.4MHz	16QAM	131979	3RB#1	21.32	PASS
Band66	1.4MHz	QPSK	131979	3RB#3	22.59	PASS
Band66	1.4MHz	16QAM	131979	3RB#3	21.37	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	21.55	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	20.51	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	22.31	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	21.24	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	22.39	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	21.46	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	22.21	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	21.26	PASS
Band66	1.4MHz	QPSK	132322	3RB#0	22.37	PASS
Band66	1.4MHz	16QAM	132322	3RB#0	21.13	PASS
Band66	1.4MHz	QPSK	132322	3RB#1	22.39	PASS
Band66	1.4MHz	16QAM	132322	3RB#1	21.20	PASS
Band66	1.4MHz	QPSK	132322	3RB#3	22.39	PASS
Band66	1.4MHz	16QAM	132322	3RB#3	21.14	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	21.37	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	20.35	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	22.32	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	21.15	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	22.44	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	21.33	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	22.27	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	21.10	PASS
Band66	1.4MHz	QPSK	132665	3RB#0	22.35	PASS
Band66	1.4MHz	16QAM	132665	3RB#0	21.11	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



Band66	1.4MHz	QPSK	132665	3RB#1	22.39	PASS
Band66	1.4MHz	16QAM	132665	3RB#1	21.11	PASS
Band66	1.4MHz	QPSK	132665	3RB#3	22.42	PASS
Band66	1.4MHz	16QAM	132665	3RB#3	21.08	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	21.41	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	20.36	PASS
Band66	3MHz	QPSK	131987	1RB#0	22.57	PASS
Band66	3MHz	16QAM	131987	1RB#0	21.52	PASS
Band66	3MHz	QPSK	131987	1RB#8	22.56	PASS
Band66	3MHz	16QAM	131987	1RB#8	21.57	PASS
Band66	3MHz	QPSK	131987	1RB#14	22.58	PASS
Band66	3MHz	16QAM	131987	1RB#14	21.54	PASS
Band66	3MHz	QPSK	131987	8RB#0	21.55	PASS
Band66	3MHz	16QAM	131987	8RB#0	20.56	PASS
Band66	3MHz	QPSK	131987	8RB#4	21.53	PASS
Band66	3MHz	16QAM	131987	8RB#4	20.55	PASS
Band66	3MHz	QPSK	131987	8RB#7	21.60	PASS
Band66	3MHz	16QAM	131987	8RB#7	20.57	PASS
Band66	3MHz	QPSK	131987	15RB#0	21.54	PASS
Band66	3MHz	16QAM	131987	15RB#0	20.54	PASS
Band66	3MHz	QPSK	132322	1RB#0	22.36	PASS
Band66	3MHz	16QAM	132322	1RB#0	21.32	PASS
Band66	3MHz	QPSK	132322	1RB#8	22.44	PASS
Band66	3MHz	16QAM	132322	1RB#8	21.22	PASS
Band66	3MHz	QPSK	132322	1RB#14	22.42	PASS
Band66	3MHz	16QAM	132322	1RB#14	21.25	PASS
Band66	3MHz	QPSK	132322	8RB#0	21.34	PASS
Band66	3MHz	16QAM	132322	8RB#0	20.31	PASS
Band66	3MHz	QPSK	132322	8RB#4	21.34	PASS
Band66	3MHz	16QAM	132322	8RB#4	20.33	PASS
Band66	3MHz	QPSK	132322	8RB#7	21.32	PASS
Band66	3MHz	16QAM	132322	8RB#7	20.31	PASS
Band66	3MHz	QPSK	132322	15RB#0	21.37	PASS
Band66	3MHz	16QAM	132322	15RB#0	20.19	PASS
Band66	3MHz	QPSK	132657	1RB#0	22.39	PASS
Band66	3MHz	16QAM	132657	1RB#0	21.37	PASS
Band66	3MHz	QPSK	132657	1RB#8	22.31	PASS
Band66	3MHz	16QAM	132657	1RB#8	21.32	PASS
Band66	3MHz	QPSK	132657	1RB#14	22.33	PASS
Band66	3MHz	16QAM	132657	1RB#14	21.26	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



Band66	3MHz	QPSK	132657	8RB#0	21.44	PASS
Band66	3MHz	16QAM	132657	8RB#0	20.40	PASS
Band66	3MHz	QPSK	132657	8RB#4	21.45	PASS
Band66	3MHz	16QAM	132657	8RB#4	20.40	PASS
Band66	3MHz	QPSK	132657	8RB#7	21.40	PASS
Band66	3MHz	16QAM	132657	8RB#7	20.32	PASS
Band66	3MHz	QPSK	132657	15RB#0	21.37	PASS
Band66	3MHz	16QAM	132657	15RB#0	20.35	PASS
Band66	5MHz	QPSK	131997	1RB#0	22.55	PASS
Band66	5MHz	16QAM	131997	1RB#0	21.40	PASS
Band66	5MHz	QPSK	131997	1RB#12	22.65	PASS
Band66	5MHz	16QAM	131997	1RB#12	21.50	PASS
Band66	5MHz	QPSK	131997	1RB#24	22.55	PASS
Band66	5MHz	16QAM	131997	1RB#24	21.46	PASS
Band66	5MHz	QPSK	131997	12RB#0	21.44	PASS
Band66	5MHz	16QAM	131997	12RB#0	20.40	PASS
Band66	5MHz	QPSK	131997	12RB#6	21.44	PASS
Band66	5MHz	16QAM	131997	12RB#6	20.39	PASS
Band66	5MHz	QPSK	131997	12RB#13	21.64	PASS
Band66	5MHz	16QAM	131997	12RB#13	20.56	PASS
Band66	5MHz	QPSK	131997	25RB#0	21.54	PASS
Band66	5MHz	16QAM	131997	25RB#0	20.54	PASS
Band66	5MHz	QPSK	132322	1RB#0	22.37	PASS
Band66	5MHz	16QAM	132322	1RB#0	21.35	PASS
Band66	5MHz	QPSK	132322	1RB#12	22.40	PASS
Band66	5MHz	16QAM	132322	1RB#12	21.39	PASS
Band66	5MHz	QPSK	132322	1RB#24	22.27	PASS
Band66	5MHz	16QAM	132322	1RB#24	21.33	PASS
Band66	5MHz	QPSK	132322	12RB#0	21.33	PASS
Band66	5MHz	16QAM	132322	12RB#0	20.32	PASS
Band66	5MHz	QPSK	132322	12RB#6	21.35	PASS
Band66	5MHz	16QAM	132322	12RB#6	20.34	PASS
Band66	5MHz	QPSK	132322	12RB#13	21.29	PASS
Band66	5MHz	16QAM	132322	12RB#13	20.34	PASS
Band66	5MHz	QPSK	132322	25RB#0	21.30	PASS
Band66	5MHz	16QAM	132322	25RB#0	20.28	PASS
Band66	5MHz	QPSK	132647	1RB#0	22.43	PASS
Band66	5MHz	16QAM	132647	1RB#0	21.30	PASS
Band66	5MHz	QPSK	132647	1RB#12	22.49	PASS
Band66	5MHz	16QAM	132647	1RB#12	21.34	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



Band66	5MHz	QPSK	132647	1RB#24	22.30	PASS
Band66	5MHz	16QAM	132647	1RB#24	21.17	PASS
Band66	5MHz	QPSK	132647	12RB#0	21.38	PASS
Band66	5MHz	16QAM	132647	12RB#0	20.38	PASS
Band66	5MHz	QPSK	132647	12RB#6	21.40	PASS
Band66	5MHz	16QAM	132647	12RB#6	20.36	PASS
Band66	5MHz	QPSK	132647	12RB#13	21.28	PASS
Band66	5MHz	16QAM	132647	12RB#13	20.23	PASS
Band66	5MHz	QPSK	132647	25RB#0	21.34	PASS
Band66	5MHz	16QAM	132647	25RB#0	20.33	PASS
Band66	10MHz	QPSK	132022	1RB#0	22.53	PASS
Band66	10MHz	16QAM	132022	1RB#0	21.47	PASS
Band66	10MHz	QPSK	132022	1RB#24	22.67	PASS
Band66	10MHz	16QAM	132022	1RB#24	21.58	PASS
Band66	10MHz	QPSK	132022	1RB#49	22.54	PASS
Band66	10MHz	16QAM	132022	1RB#49	21.53	PASS
Band66	10MHz	QPSK	132022	25RB#0	21.42	PASS
Band66	10MHz	16QAM	132022	25RB#0	20.38	PASS
Band66	10MHz	QPSK	132022	25RB#12	21.45	PASS
Band66	10MHz	16QAM	132022	25RB#12	20.39	PASS
Band66	10MHz	QPSK	132022	25RB#25	21.60	PASS
Band66	10MHz	16QAM	132022	25RB#25	20.60	PASS
Band66	10MHz	QPSK	132022	50RB#0	21.54	PASS
Band66	10MHz	16QAM	132022	50RB#0	20.50	PASS
Band66	10MHz	QPSK	132322	1RB#0	22.45	PASS
Band66	10MHz	16QAM	132322	1RB#0	21.20	PASS
Band66	10MHz	QPSK	132322	1RB#24	22.47	PASS
Band66	10MHz	16QAM	132322	1RB#24	21.26	PASS
Band66	10MHz	QPSK	132322	1RB#49	22.29	PASS
Band66	10MHz	16QAM	132322	1RB#49	21.14	PASS
Band66	10MHz	QPSK	132322	25RB#0	21.33	PASS
Band66	10MHz	16QAM	132322	25RB#0	20.42	PASS
Band66	10MHz	QPSK	132322	25RB#12	21.40	PASS
Band66	10MHz	16QAM	132322	25RB#12	20.40	PASS
Band66	10MHz	QPSK	132322	25RB#25	21.27	PASS
Band66	10MHz	16QAM	132322	25RB#25	20.30	PASS
Band66	10MHz	QPSK	132322	50RB#0	21.33	PASS
Band66	10MHz	16QAM	132322	50RB#0	20.33	PASS
Band66	10MHz	QPSK	132622	1RB#0	22.46	PASS
Band66	10MHz	16QAM	132622	1RB#0	21.43	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



Band66	10MHz	QPSK	132622	1RB#24	22.53	PASS
Band66	10MHz	16QAM	132622	1RB#24	21.51	PASS
Band66	10MHz	QPSK	132622	1RB#49	22.30	PASS
Band66	10MHz	16QAM	132622	1RB#49	21.28	PASS
Band66	10MHz	QPSK	132622	25RB#0	21.47	PASS
Band66	10MHz	16QAM	132622	25RB#0	20.43	PASS
Band66	10MHz	QPSK	132622	25RB#12	21.44	PASS
Band66	10MHz	16QAM	132622	25RB#12	20.44	PASS
Band66	10MHz	QPSK	132622	25RB#25	21.31	PASS
Band66	10MHz	16QAM	132622	25RB#25	20.27	PASS
Band66	10MHz	QPSK	132622	50RB#0	21.41	PASS
Band66	10MHz	16QAM	132622	50RB#0	20.35	PASS
Band66	15MHz	QPSK	132047	1RB#0	22.48	PASS
Band66	15MHz	16QAM	132047	1RB#0	21.45	PASS
Band66	15MHz	QPSK	132047	1RB#38	22.62	PASS
Band66	15MHz	16QAM	132047	1RB#38	21.59	PASS
Band66	15MHz	QPSK	132047	1RB#74	22.48	PASS
Band66	15MHz	16QAM	132047	1RB#74	21.44	PASS
Band66	15MHz	QPSK	132047	38RB#0	21.58	PASS
Band66	15MHz	16QAM	132047	38RB#0	21.62	PASS
Band66	15MHz	QPSK	132047	38RB#18	21.56	PASS
Band66	15MHz	16QAM	132047	38RB#18	21.55	PASS
Band66	15MHz	QPSK	132047	38RB#37	21.59	PASS
Band66	15MHz	16QAM	132047	38RB#37	21.60	PASS
Band66	15MHz	QPSK	132047	75RB#0	21.59	PASS
Band66	15MHz	16QAM	132047	75RB#0	20.52	PASS
Band66	15MHz	QPSK	132322	1RB#0	22.31	PASS
Band66	15MHz	16QAM	132322	1RB#0	21.39	PASS
Band66	15MHz	QPSK	132322	1RB#38	22.32	PASS
Band66	15MHz	16QAM	132322	1RB#38	21.42	PASS
Band66	15MHz	QPSK	132322	1RB#74	22.16	PASS
Band66	15MHz	16QAM	132322	1RB#74	21.33	PASS
Band66	15MHz	QPSK	132322	38RB#0	21.40	PASS
Band66	15MHz	16QAM	132322	38RB#0	21.39	PASS
Band66	15MHz	QPSK	132322	38RB#18	21.41	PASS
Band66	15MHz	16QAM	132322	38RB#18	21.40	PASS
Band66	15MHz	QPSK	132322	38RB#37	21.39	PASS
Band66	15MHz	16QAM	132322	38RB#37	21.39	PASS
Band66	15MHz	QPSK	132322	75RB#0	21.40	PASS
Band66	15MHz	16QAM	132322	75RB#0	20.37	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



Band66	15MHz	QPSK	132597	1RB#0	22.43	PASS
Band66	15MHz	16QAM	132597	1RB#0	21.37	PASS
Band66	15MHz	QPSK	132597	1RB#38	22.43	PASS
Band66	15MHz	16QAM	132597	1RB#38	21.40	PASS
Band66	15MHz	QPSK	132597	1RB#74	22.24	PASS
Band66	15MHz	16QAM	132597	1RB#74	21.25	PASS
Band66	15MHz	QPSK	132597	38RB#0	21.52	PASS
Band66	15MHz	16QAM	132597	38RB#0	21.50	PASS
Band66	15MHz	QPSK	132597	38RB#18	21.53	PASS
Band66	15MHz	16QAM	132597	38RB#18	21.54	PASS
Band66	15MHz	QPSK	132597	38RB#37	21.51	PASS
Band66	15MHz	16QAM	132597	38RB#37	21.53	PASS
Band66	15MHz	QPSK	132597	75RB#0	21.53	PASS
Band66	15MHz	16QAM	132597	75RB#0	20.47	PASS
Band66	20MHz	QPSK	132072	1RB#0	22.37	PASS
Band66	20MHz	16QAM	132072	1RB#0	21.23	PASS
Band66	20MHz	QPSK	132072	1RB#49	22.81	PASS
Band66	20MHz	16QAM	132072	1RB#49	21.54	PASS
Band66	20MHz	QPSK	132072	1RB#99	22.36	PASS
Band66	20MHz	16QAM	132072	1RB#99	21.27	PASS
Band66	20MHz	QPSK	132072	50RB#0	21.38	PASS
Band66	20MHz	16QAM	132072	50RB#0	20.37	PASS
Band66	20MHz	QPSK	132072	50RB#25	21.37	PASS
Band66	20MHz	16QAM	132072	50RB#25	20.39	PASS
Band66	20MHz	QPSK	132072	50RB#50	21.56	PASS
Band66	20MHz	16QAM	132072	50RB#50	20.51	PASS
Band66	20MHz	QPSK	132072	100RB#0	21.47	PASS
Band66	20MHz	16QAM	132072	100RB#0	20.48	PASS
Band66	20MHz	QPSK	132322	1RB#0	22.26	PASS
Band66	20MHz	16QAM	132322	1RB#0	21.41	PASS
Band66	20MHz	QPSK	132322	1RB#49	22.44	PASS
Band66	20MHz	16QAM	132322	1RB#49	21.64	PASS
Band66	20MHz	QPSK	132322	1RB#99	22.15	PASS
Band66	20MHz	16QAM	132322	1RB#99	21.21	PASS
Band66	20MHz	QPSK	132322	50RB#0	21.45	PASS
Band66	20MHz	16QAM	132322	50RB#0	20.48	PASS
Band66	20MHz	QPSK	132322	50RB#25	21.47	PASS
Band66	20MHz	16QAM	132322	50RB#25	20.48	PASS
Band66	20MHz	QPSK	132322	50RB#50	21.39	PASS
Band66	20MHz	16QAM	132322	50RB#50	20.35	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



Band66	20MHz	QPSK	132322	100RB#0	21.39	PASS
Band66	20MHz	16QAM	132322	100RB#0	20.41	PASS
Band66	20MHz	QPSK	132572	1RB#0	22.24	PASS
Band66	20MHz	16QAM	132572	1RB#0	21.11	PASS
Band66	20MHz	QPSK	132572	1RB#49	22.73	PASS
Band66	20MHz	16QAM	132572	1RB#49	21.46	PASS
Band66	20MHz	QPSK	132572	1RB#99	22.16	PASS
Band66	20MHz	16QAM	132572	1RB#99	20.98	PASS
Band66	20MHz	QPSK	132572	50RB#0	21.40	PASS
Band66	20MHz	16QAM	132572	50RB#0	20.42	PASS
Band66	20MHz	QPSK	132572	50RB#25	21.43	PASS
Band66	20MHz	16QAM	132572	50RB#25	20.41	PASS
Band66	20MHz	QPSK	132572	50RB#50	21.29	PASS
Band66	20MHz	16QAM	132572	50RB#50	20.26	PASS
Band66	20MHz	QPSK	132572	100RB#0	21.34	PASS
Band66	20MHz	16QAM	132572	100RB#0	20.29	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



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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	4.57	13	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	5.63	13	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	5.19	13	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	6.00	13	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	5.04	13	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	6.06	13	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	5.39	13	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	6.19	13	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	3.18	13	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	4.38	13	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	4.45	13	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	5.32	13	PASS
Band66	3MHz	QPSK	131987	1RB#0	4.58	13	PASS
Band66	3MHz	16QAM	131987	1RB#0	5.47	13	PASS
Band66	3MHz	QPSK	131987	15RB#0	5.26	13	PASS
Band66	3MHz	16QAM	131987	15RB#0	6.09	13	PASS
Band66	3MHz	QPSK	132322	1RB#0	5.05	13	PASS
Band66	3MHz	16QAM	132322	1RB#0	5.93	13	PASS
Band66	3MHz	QPSK	132322	15RB#0	5.44	13	PASS
Band66	3MHz	16QAM	132322	15RB#0	6.25	13	PASS
Band66	3MHz	QPSK	132657	1RB#0	2.93	13	PASS
Band66	3MHz	16QAM	132657	1RB#0	3.97	13	PASS
Band66	3MHz	QPSK	132657	15RB#0	4.46	13	PASS
Band66	3MHz	16QAM	132657	15RB#0	5.33	13	PASS
Band66	5MHz	QPSK	131997	1RB#0	4.79	13	PASS
Band66	5MHz	16QAM	131997	1RB#0	5.40	13	PASS
Band66	5MHz	QPSK	131997	25RB#0	5.46	13	PASS
Band66	5MHz	16QAM	131997	25RB#0	6.15	13	PASS
Band66	5MHz	QPSK	132322	1RB#0	5.20	13	PASS
Band66	5MHz	16QAM	132322	1RB#0	5.70	13	PASS
Band66	5MHz	QPSK	132322	25RB#0	5.59	13	PASS
Band66	5MHz	16QAM	132322	25RB#0	6.27	13	PASS
Band66	5MHz	QPSK	132647	1RB#0	3.02	13	PASS
Band66	5MHz	16QAM	132647	1RB#0	4.02	13	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.90	13	PASS
Band66	5MHz	16QAM	132647	25RB#0	5.62	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



Band66	10MHz	QPSK	132022	1RB#0	4.65	13	PASS
Band66	10MHz	16QAM	132022	1RB#0	5.60	13	PASS
Band66	10MHz	QPSK	132022	50RB#0	5.39	13	PASS
Band66	10MHz	16QAM	132022	50RB#0	6.13	13	PASS
Band66	10MHz	QPSK	132322	1RB#0	5.08	13	PASS
Band66	10MHz	16QAM	132322	1RB#0	6.00	13	PASS
Band66	10MHz	QPSK	132322	50RB#0	5.56	13	PASS
Band66	10MHz	16QAM	132322	50RB#0	6.28	13	PASS
Band66	10MHz	QPSK	132622	1RB#0	3.07	13	PASS
Band66	10MHz	16QAM	132622	1RB#0	4.12	13	PASS
Band66	10MHz	QPSK	132622	50RB#0	4.84	13	PASS
Band66	10MHz	16QAM	132622	50RB#0	5.59	13	PASS
Band66	15MHz	QPSK	132047	1RB#0	4.71	13	PASS
Band66	15MHz	16QAM	132047	1RB#0	5.60	13	PASS
Band66	15MHz	QPSK	132047	75RB#0	5.69	13	PASS
Band66	15MHz	16QAM	132047	75RB#0	6.22	13	PASS
Band66	15MHz	QPSK	132322	1RB#0	5.14	13	PASS
Band66	15MHz	16QAM	132322	1RB#0	6.02	13	PASS
Band66	15MHz	QPSK	132322	75RB#0	5.88	13	PASS
Band66	15MHz	16QAM	132322	75RB#0	6.38	13	PASS
Band66	15MHz	QPSK	132597	1RB#0	3.60	13	PASS
Band66	15MHz	16QAM	132597	1RB#0	4.62	13	PASS
Band66	15MHz	QPSK	132597	75RB#0	5.02	13	PASS
Band66	15MHz	16QAM	132597	75RB#0	5.67	13	PASS
Band66	20MHz	QPSK	132072	1RB#0	4.63	13	PASS
Band66	20MHz	16QAM	132072	1RB#0	5.35	13	PASS
Band66	20MHz	QPSK	132072	100RB#0	5.42	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	6.21	13	PASS
Band66	20MHz	QPSK	132322	1RB#0	5.04	13	PASS
Band66	20MHz	16QAM	132322	1RB#0	5.66	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.58	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	6.34	13	PASS
Band66	20MHz	QPSK	132572	1RB#0	4.14	13	PASS
Band66	20MHz	16QAM	132572	1RB#0	4.95	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	4.90	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	5.69	13	PASS



Shenzhen LCS Compliance Testing Laboratory Ltd.

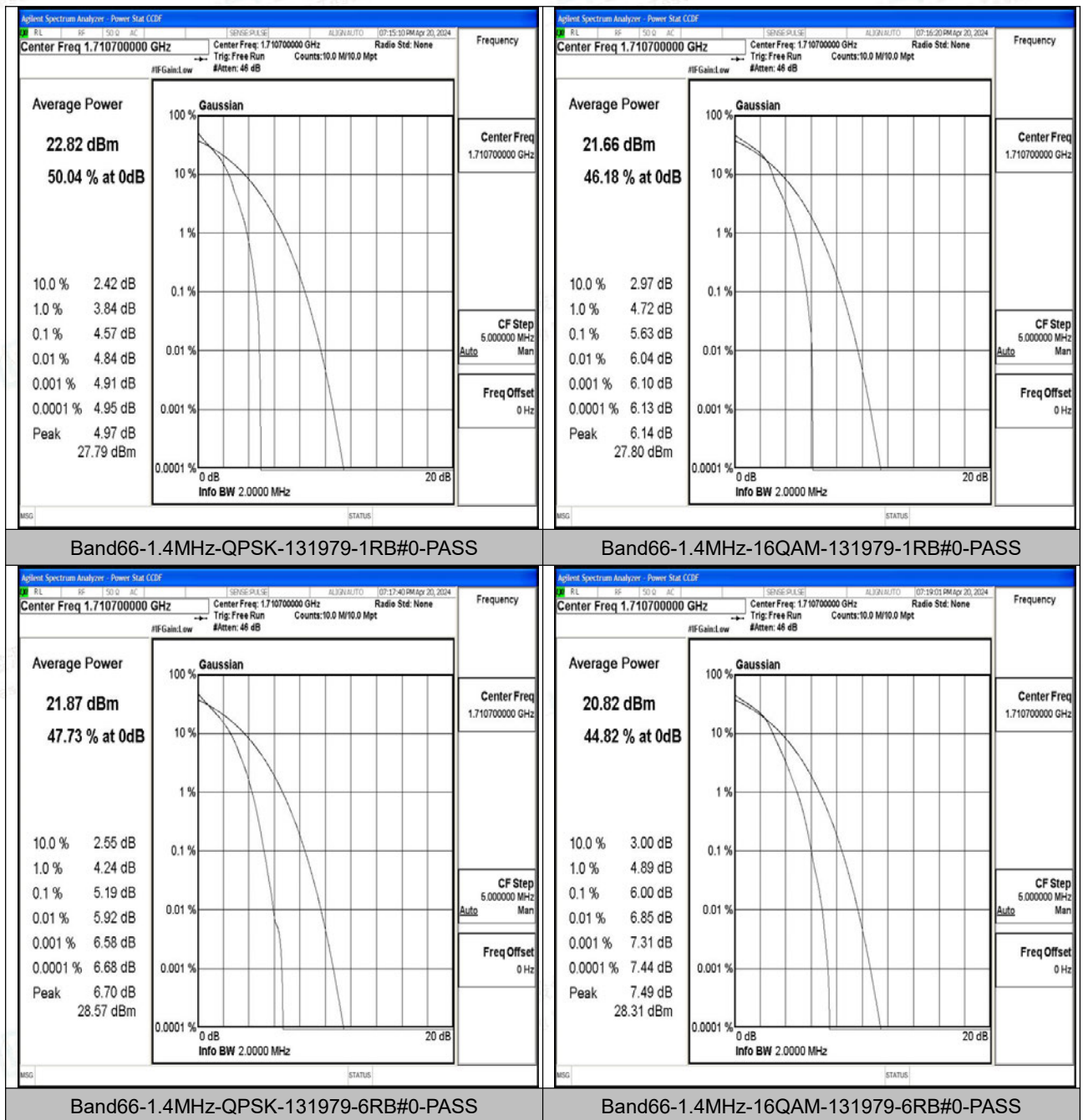
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

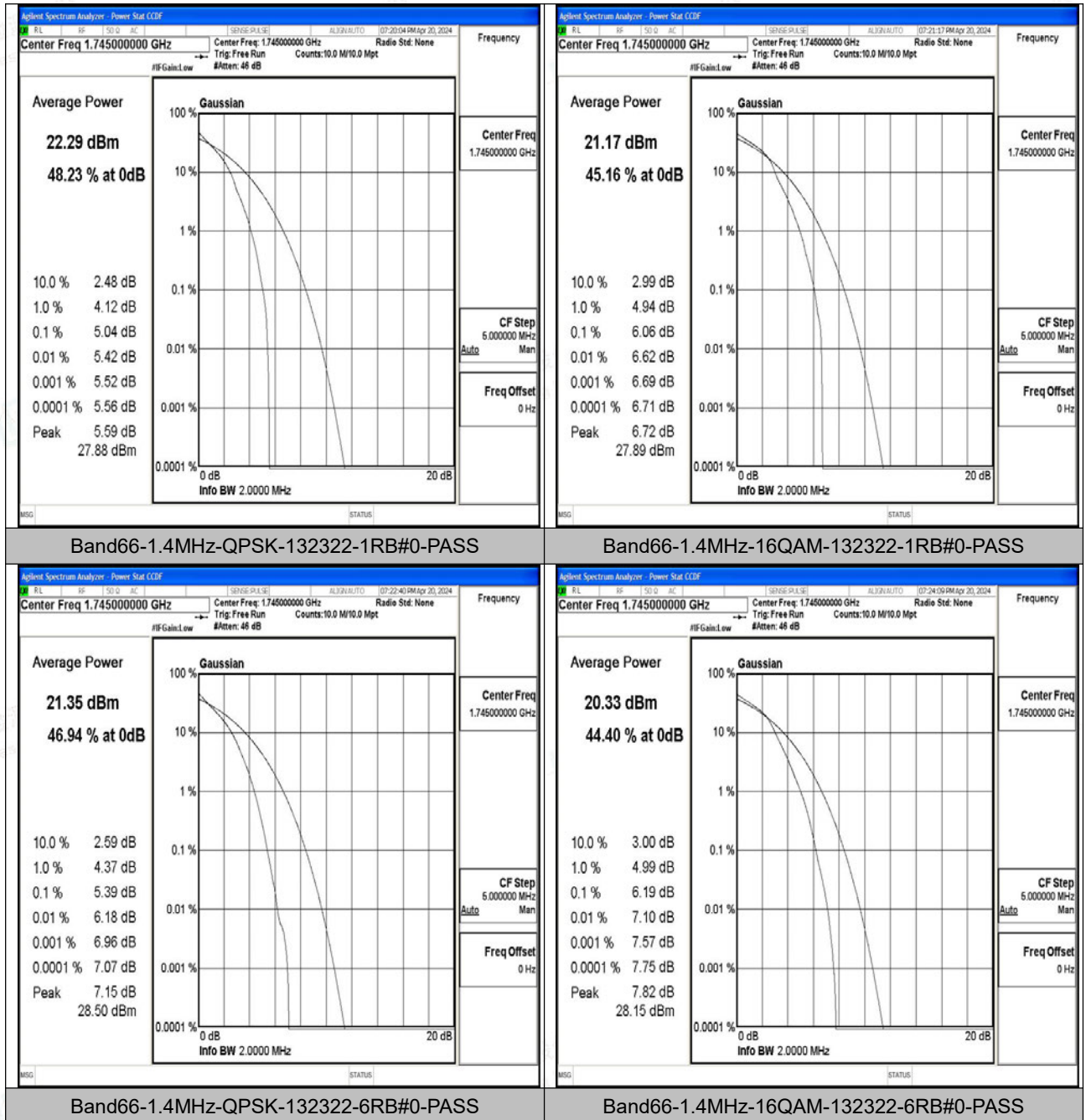
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



Test Graphs



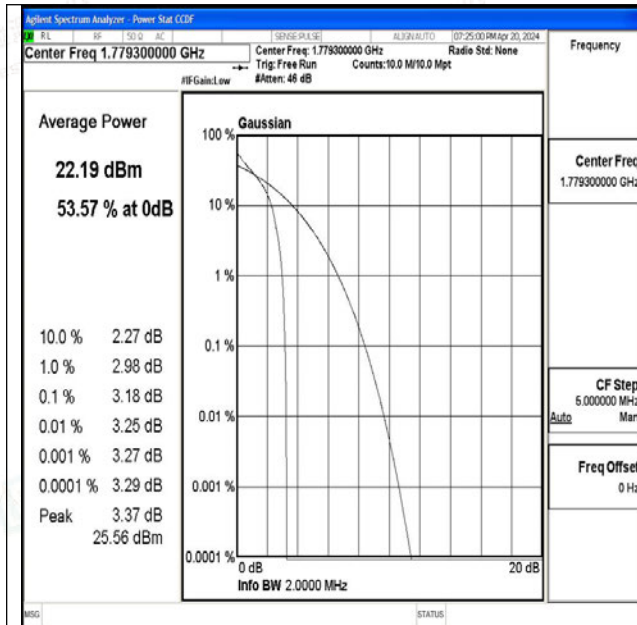


Shenzhen LCS Compliance Testing Laboratory Ltd.

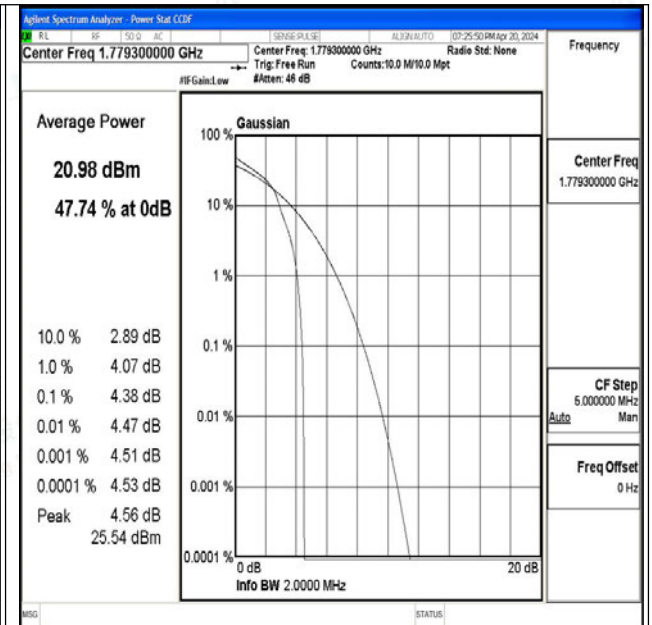
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

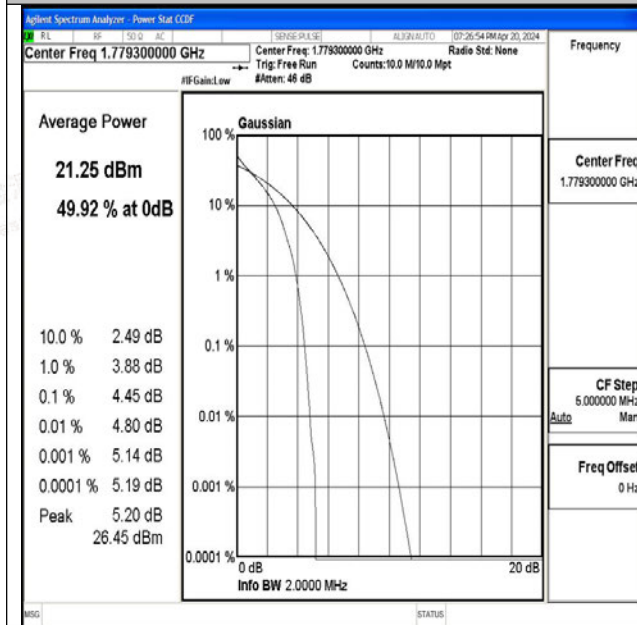
Scan code to check authenticity



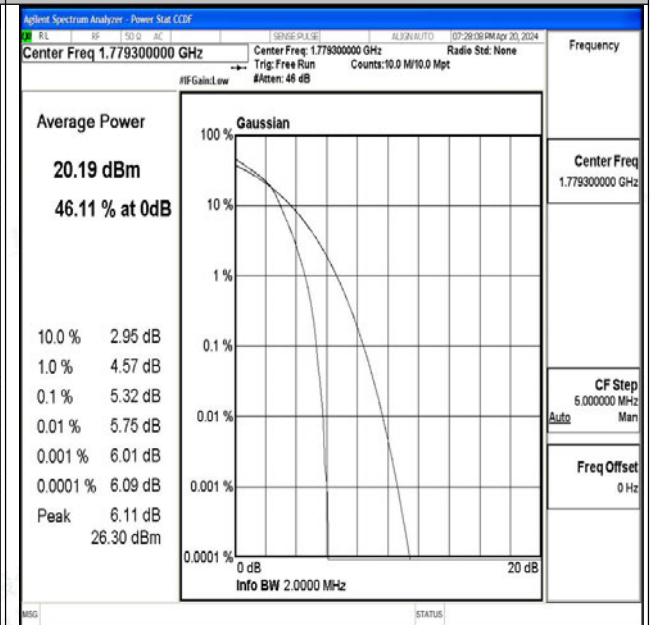
Band66-1.4MHz-QPSK-132665-1RB#0-PASS



Band66-1.4MHz-16QAM-132665-1RB#0-PASS



Band66-1.4MHz-QPSK-132665-6RB#0-PASS



Band66-1.4MHz-16QAM-132665-6RB#0-PASS

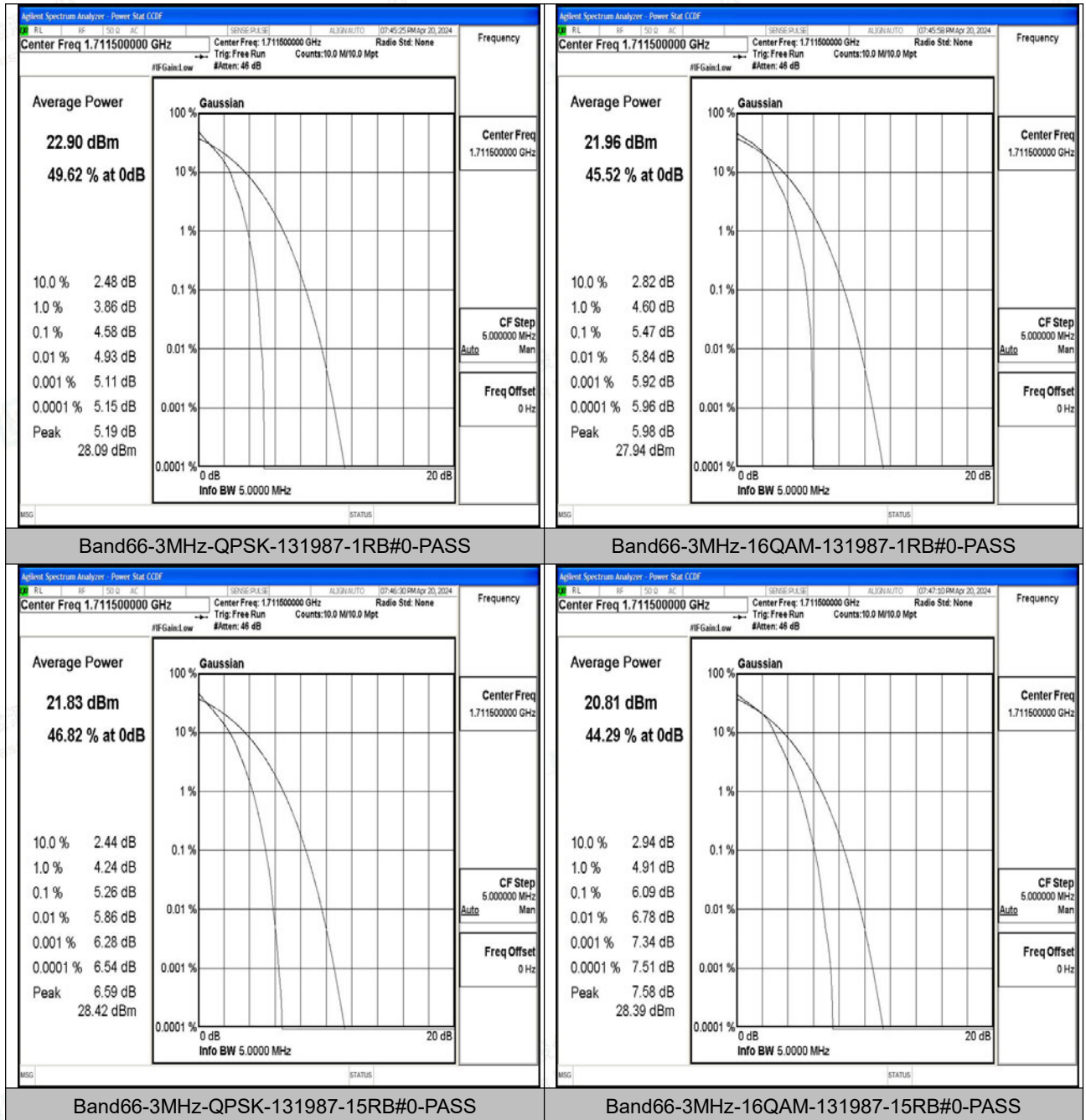


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

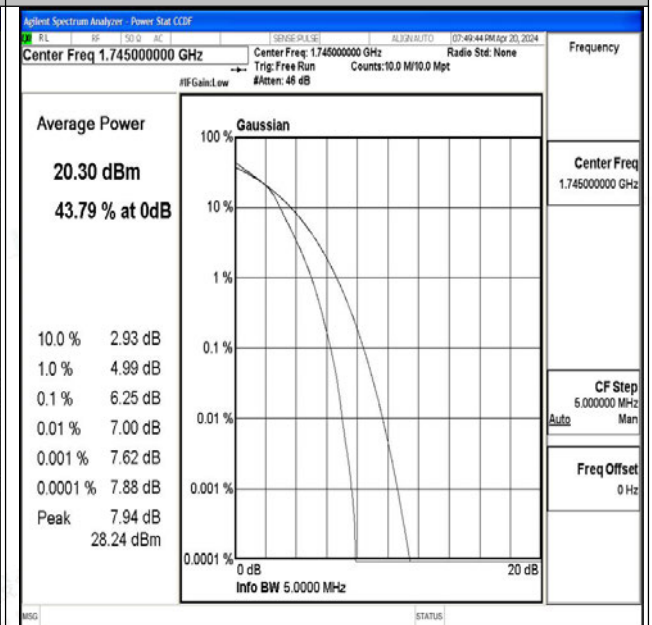
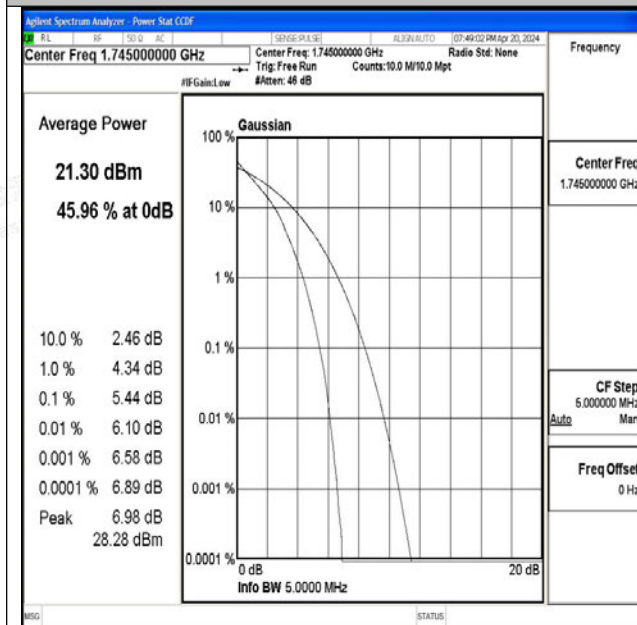
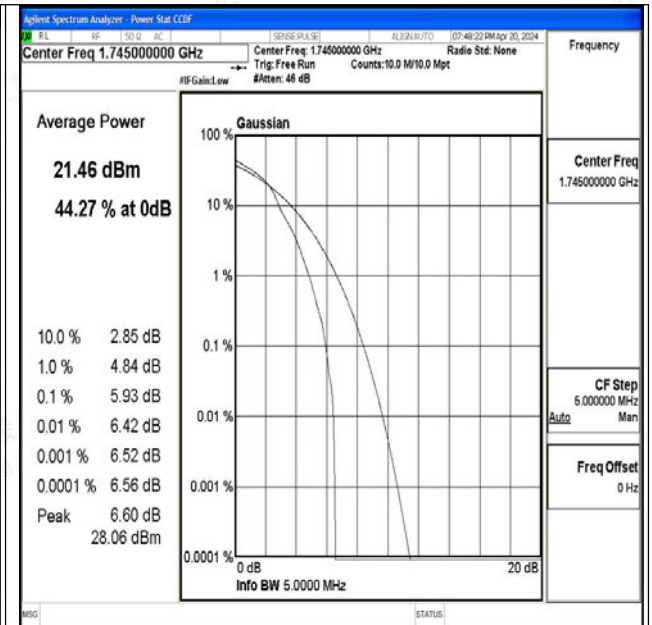
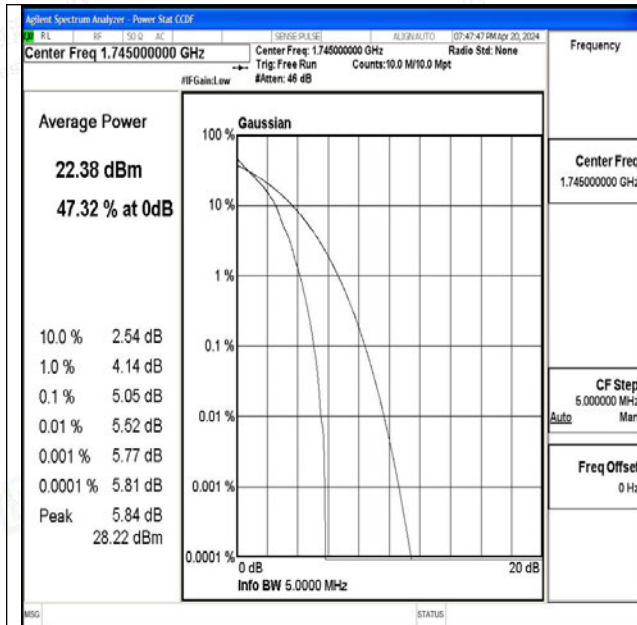


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

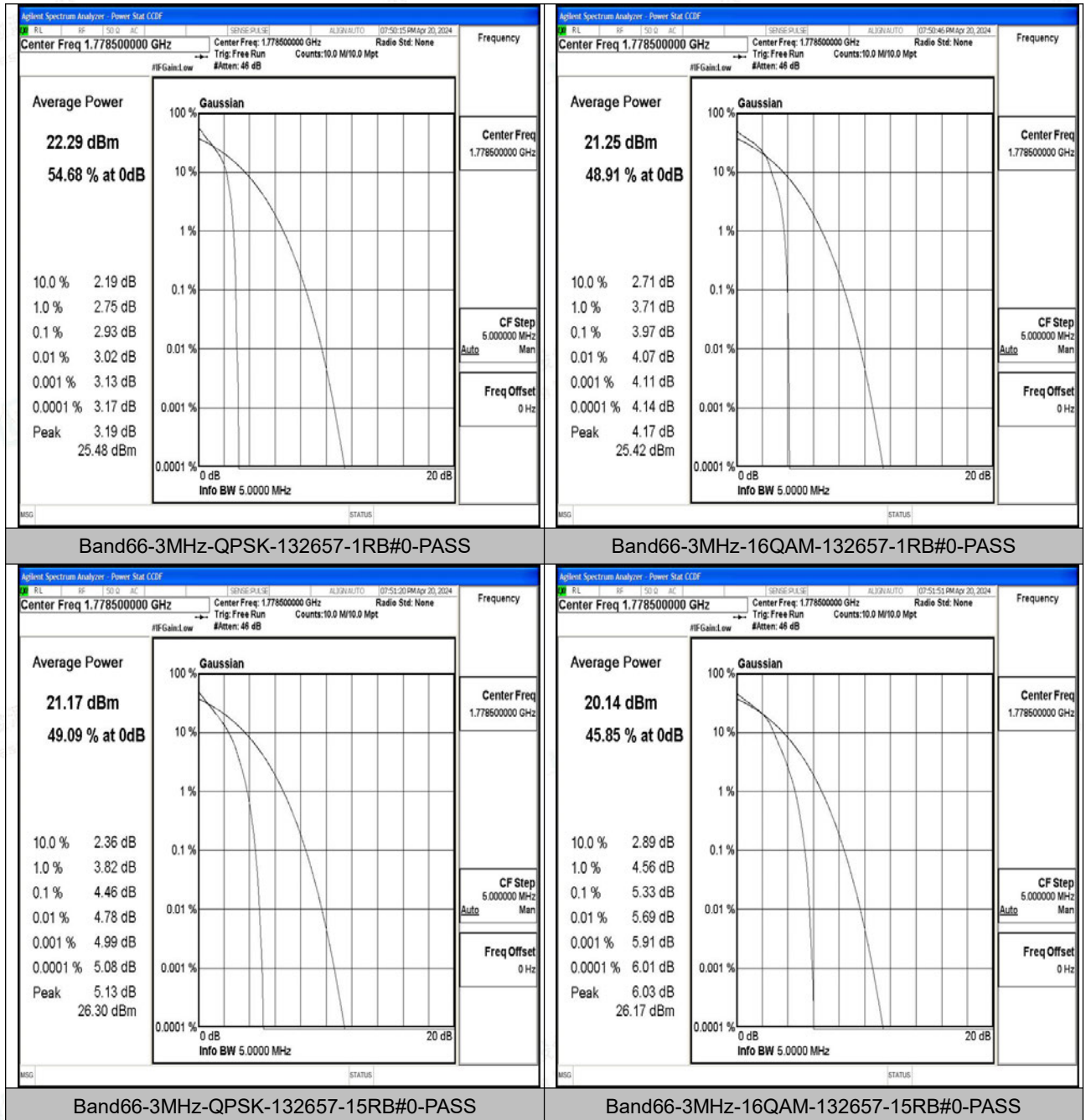


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

Tel: +(86) 0755-85291330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity

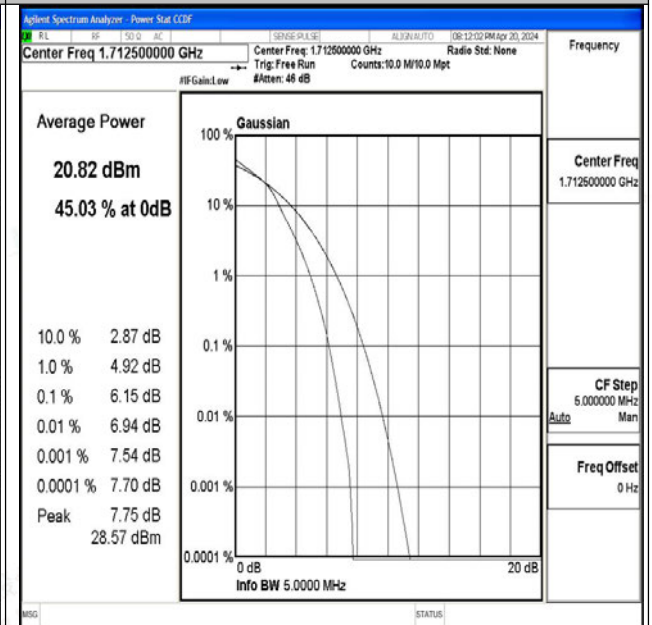
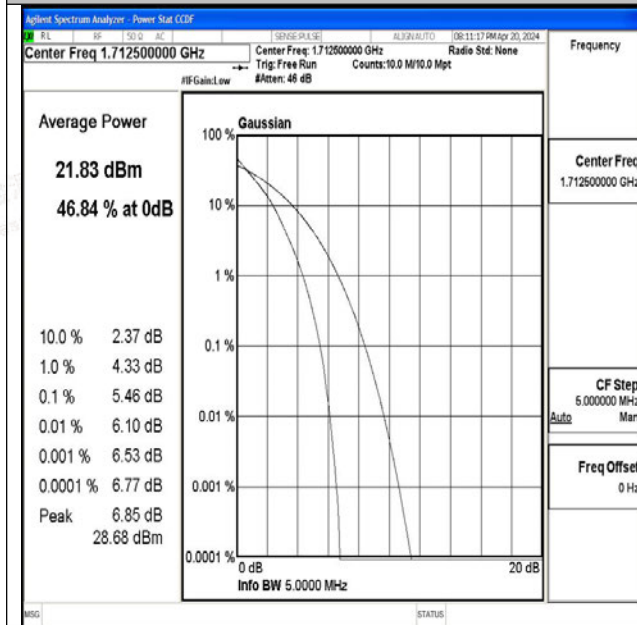
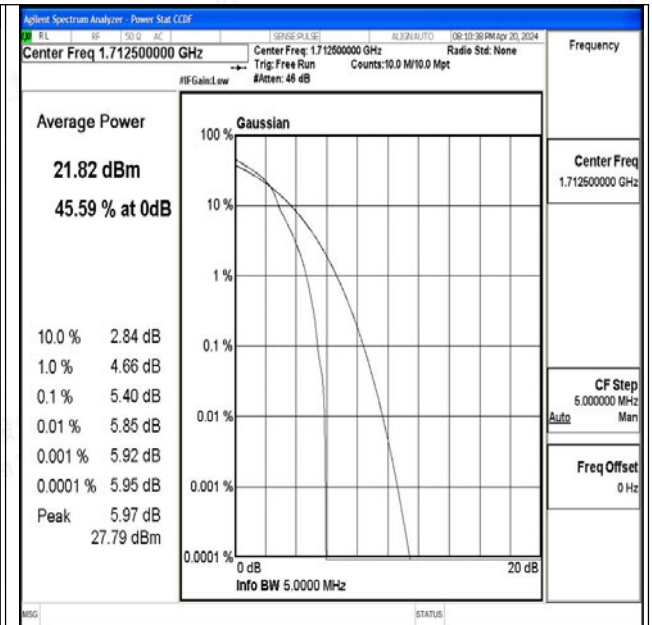
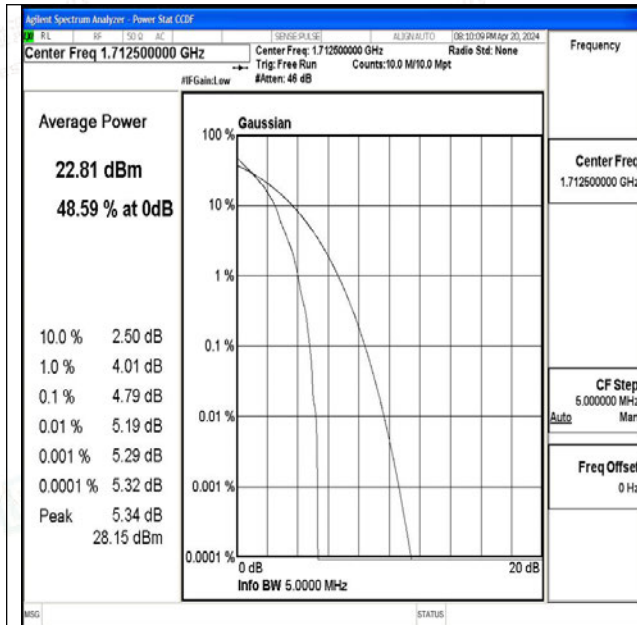


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

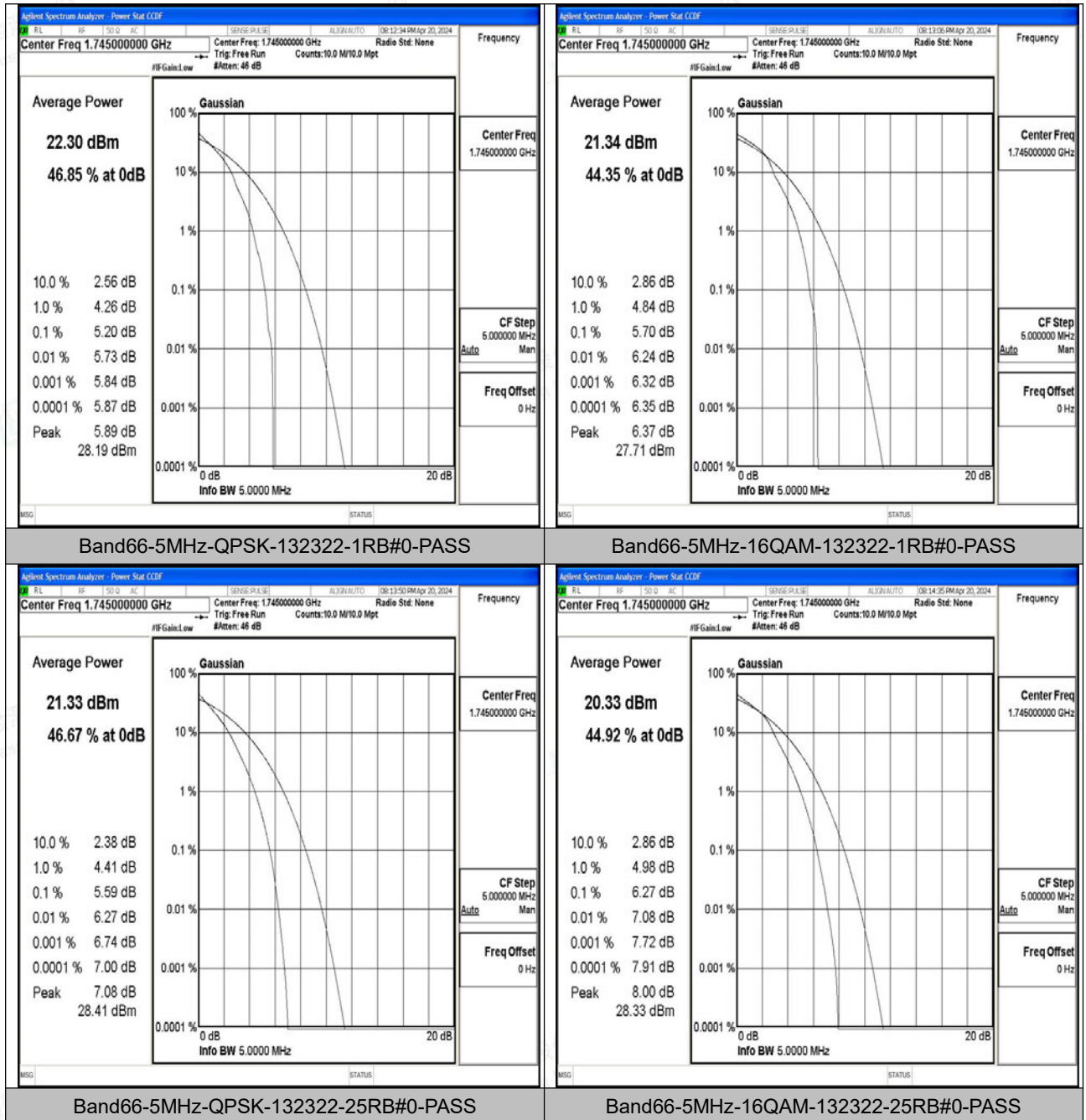


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

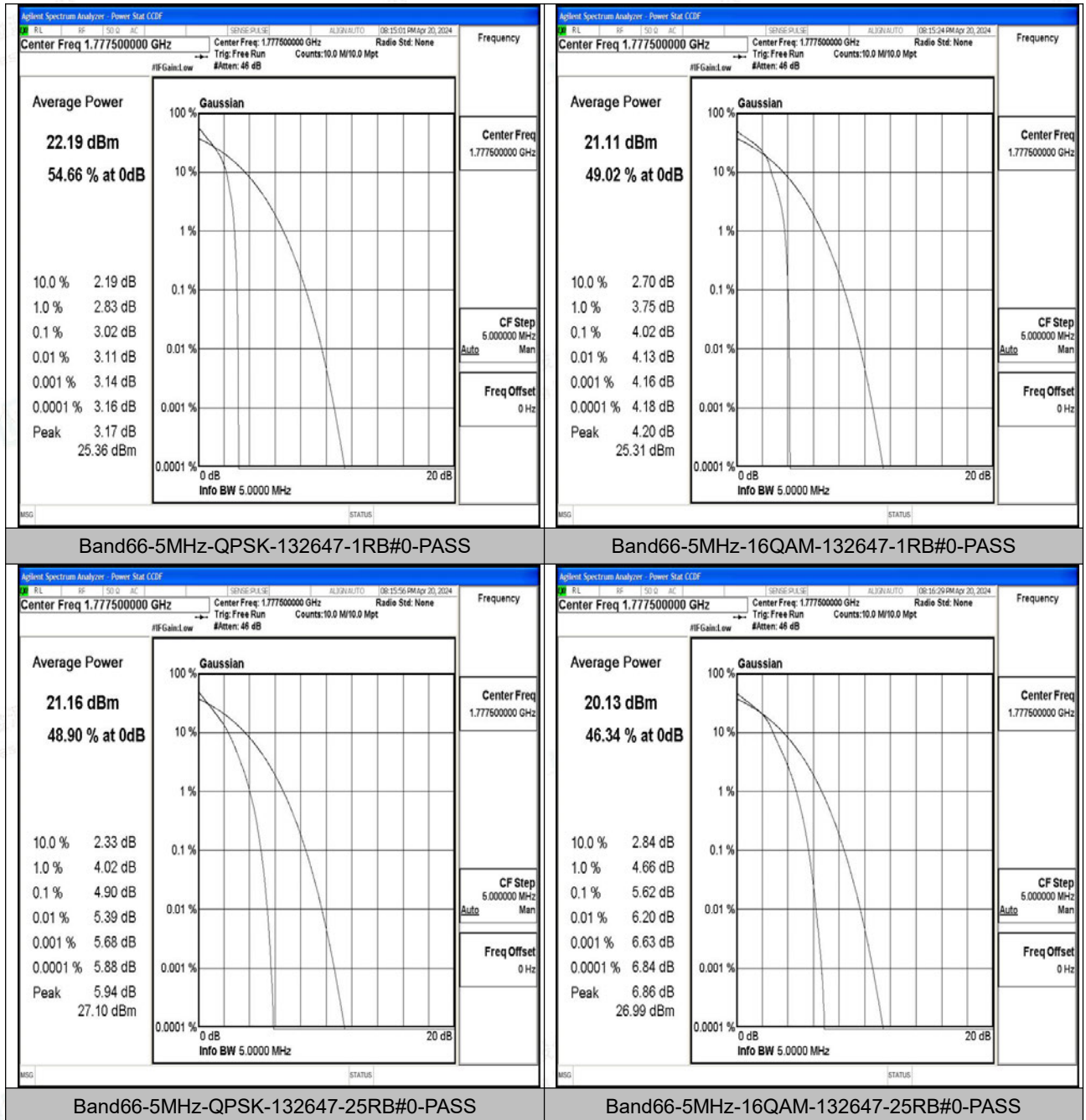


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

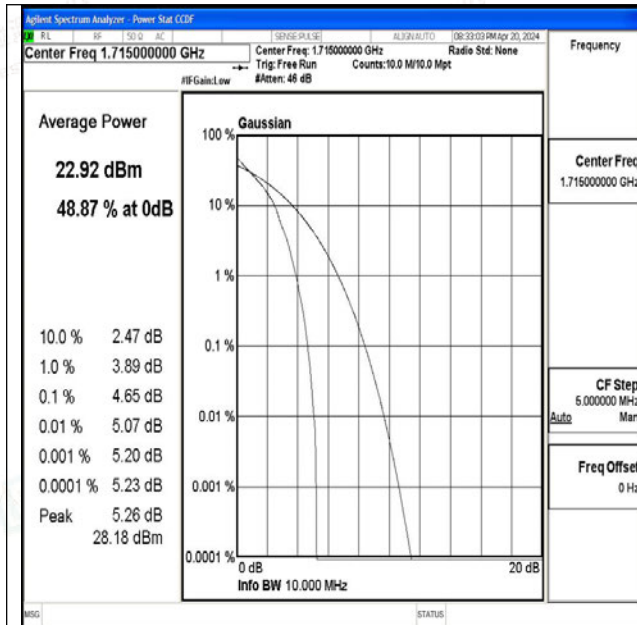


Shenzhen LCS Compliance Testing Laboratory Ltd.

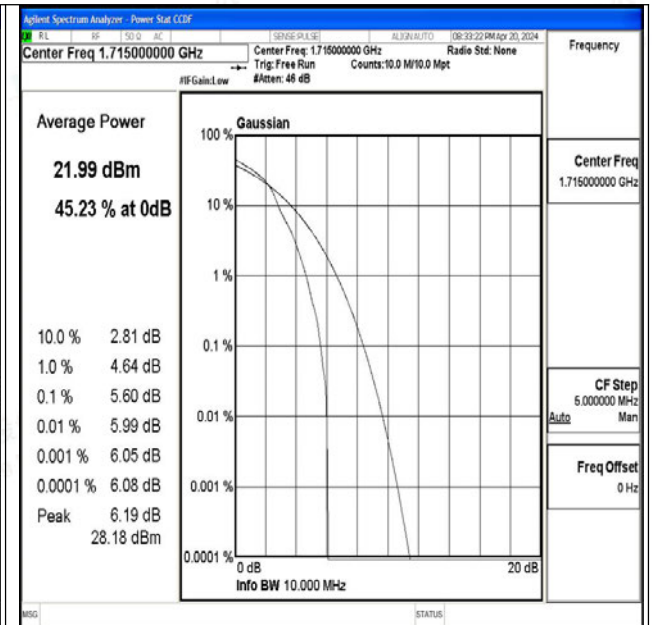
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

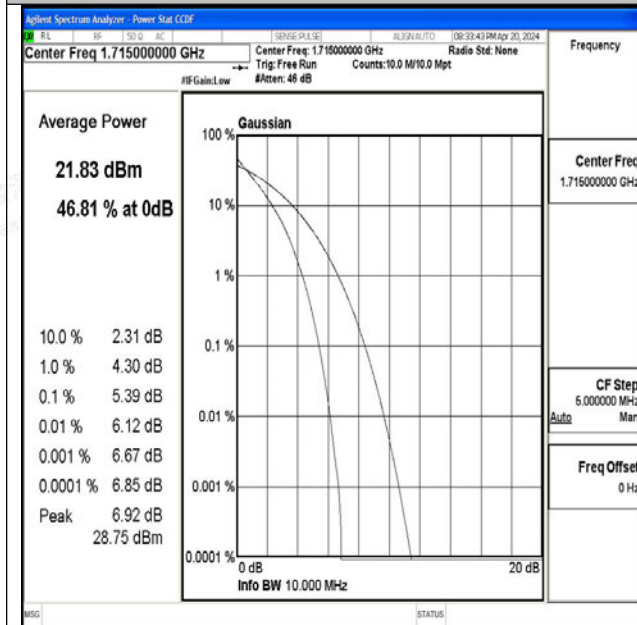
Scan code to check authenticity



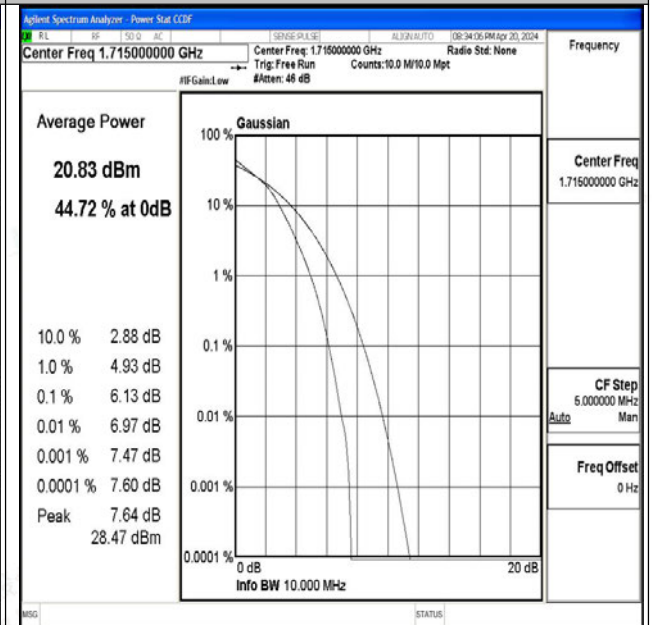
Band66-10MHz-QPSK-132022-1RB#0-PASS



Band66-10MHz-16QAM-132022-1RB#0-PASS



Band66-10MHz-QPSK-132022-50RB#0-PASS



Band66-10MHz-16QAM-132022-50RB#0-PASS

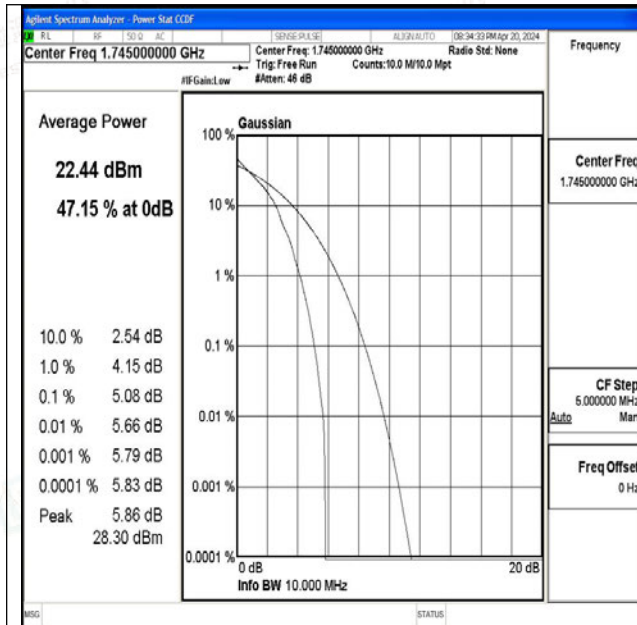


Shenzhen LCS Compliance Testing Laboratory Ltd.

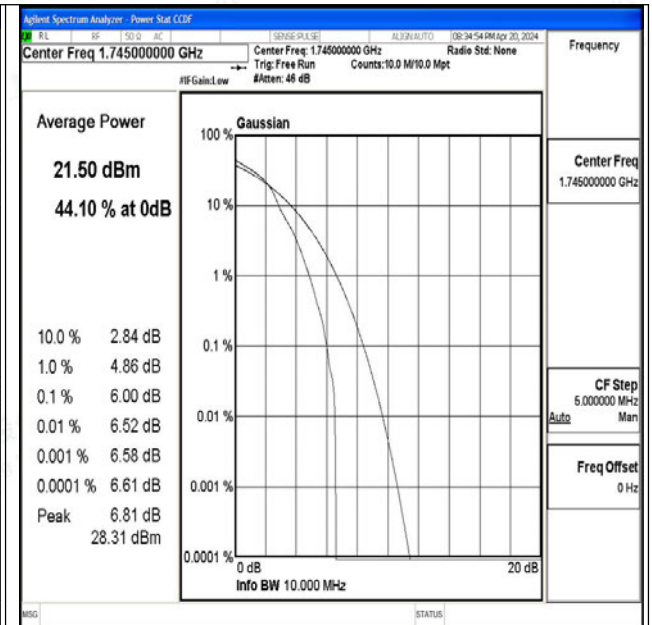
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

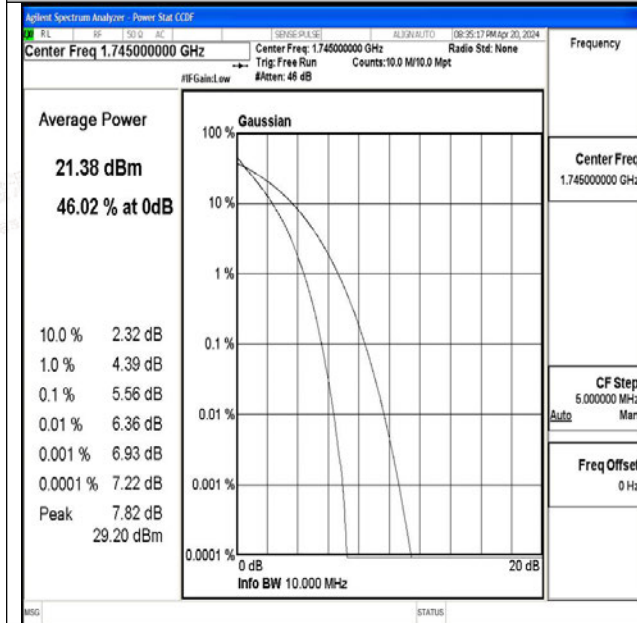
Scan code to check authenticity



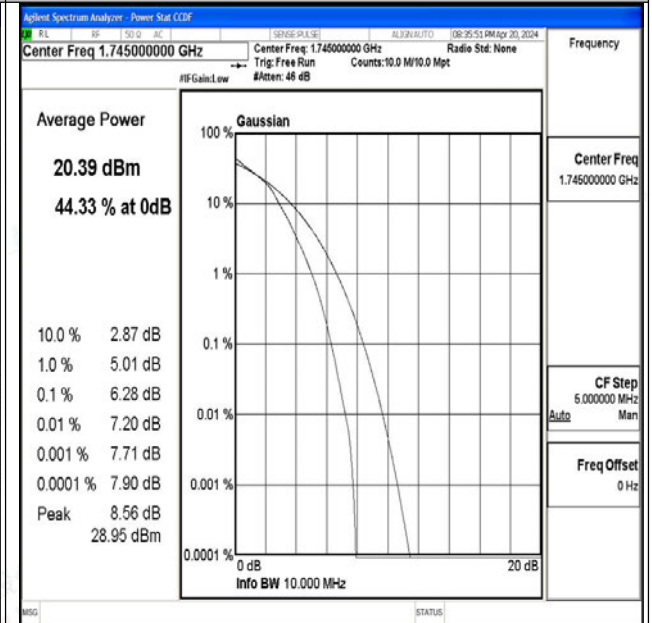
Band66-10MHz-QPSK-132322-1RB#0-PASS



Band66-10MHz-16QAM-132322-1RB#0-PASS



Band66-10MHz-QPSK-132322-50RB#0-PASS



Band66-10MHz-16QAM-132322-50RB#0-PASS

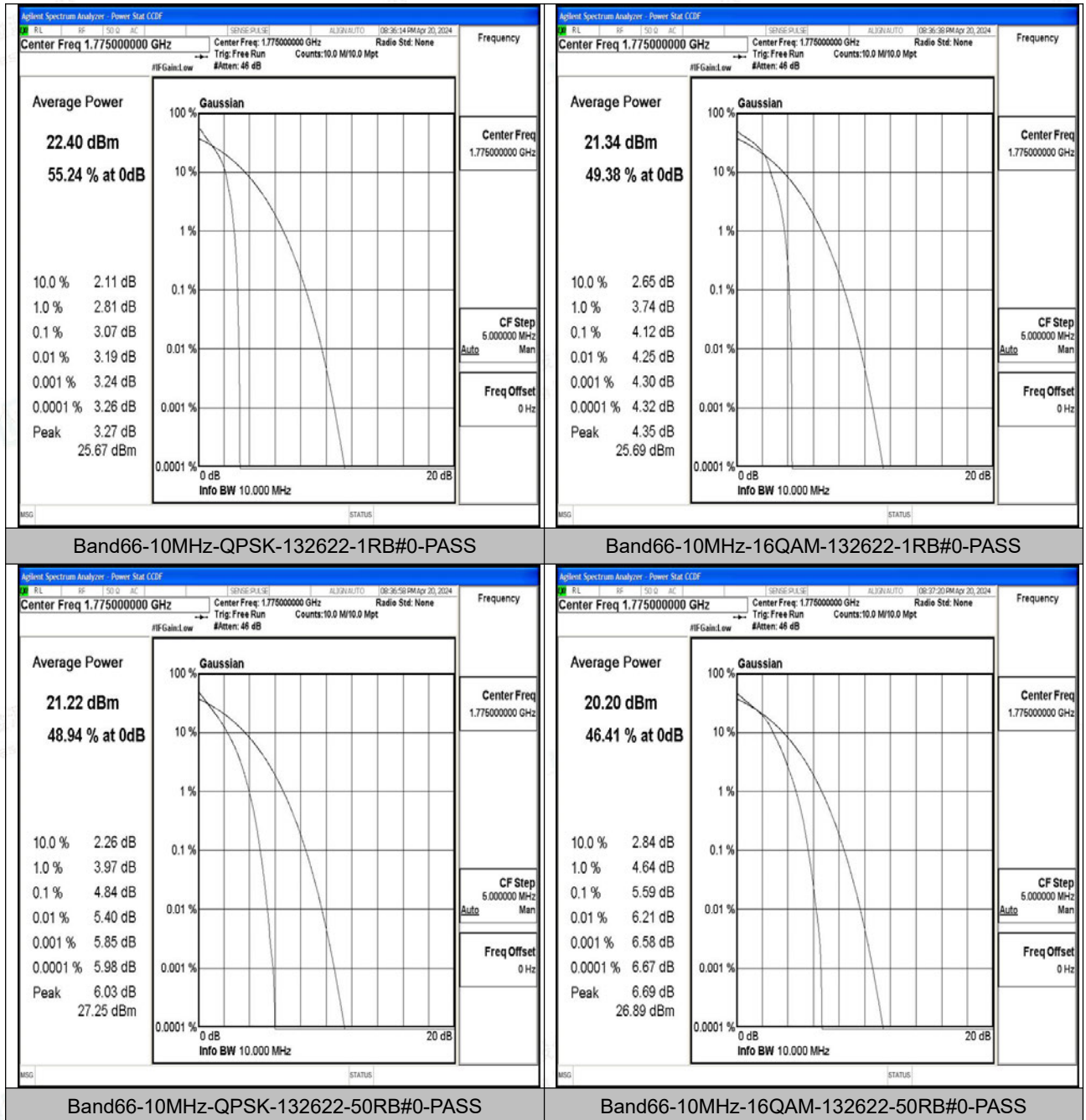


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

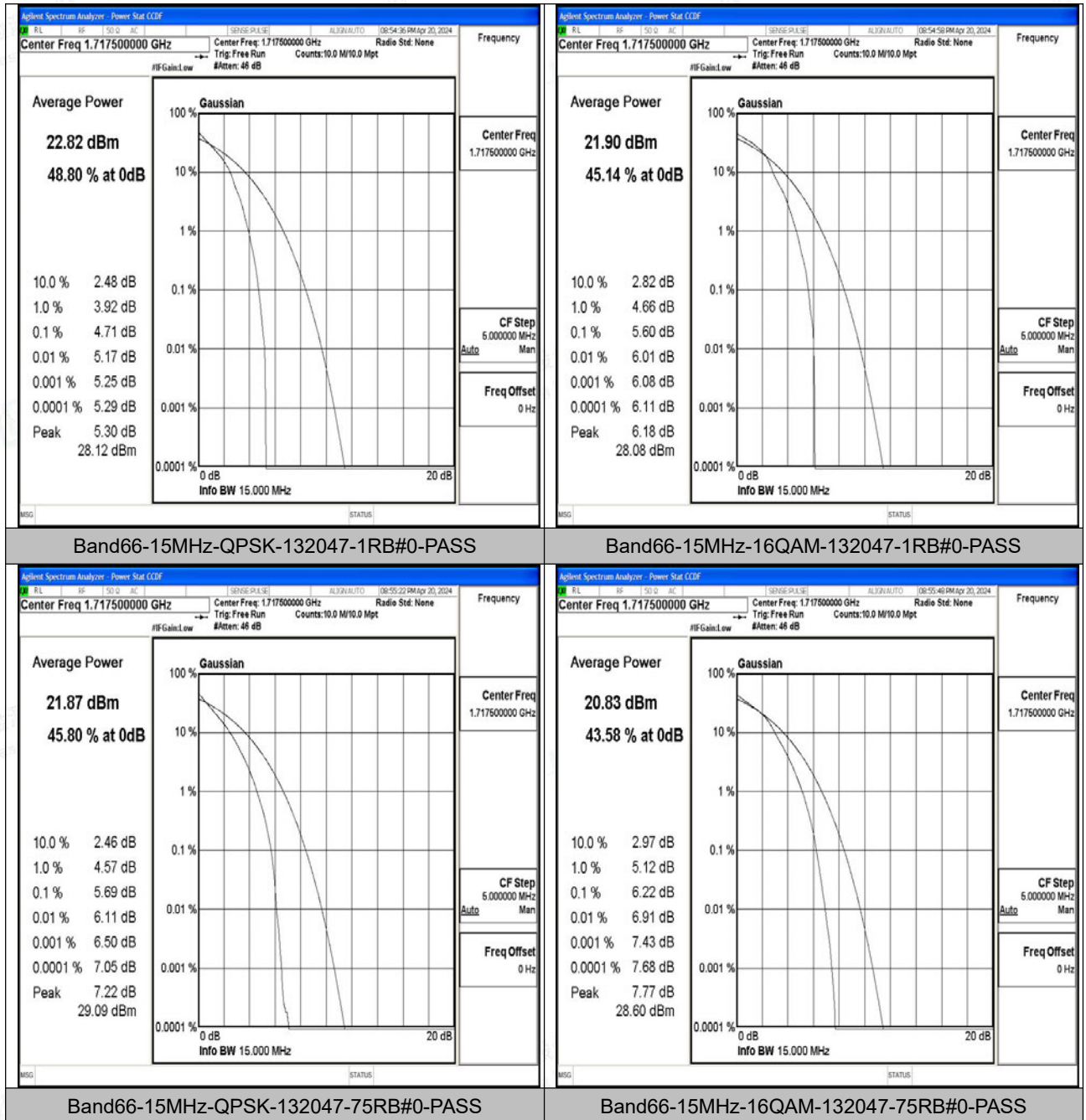


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

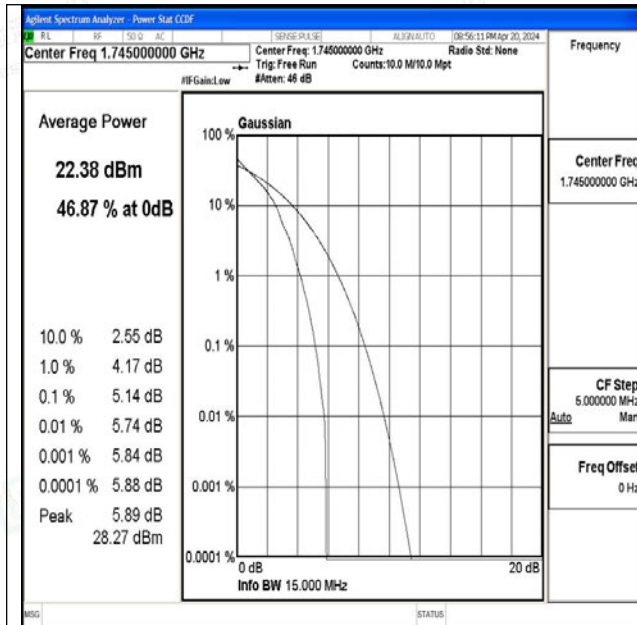


Shenzhen LCS Compliance Testing Laboratory Ltd.

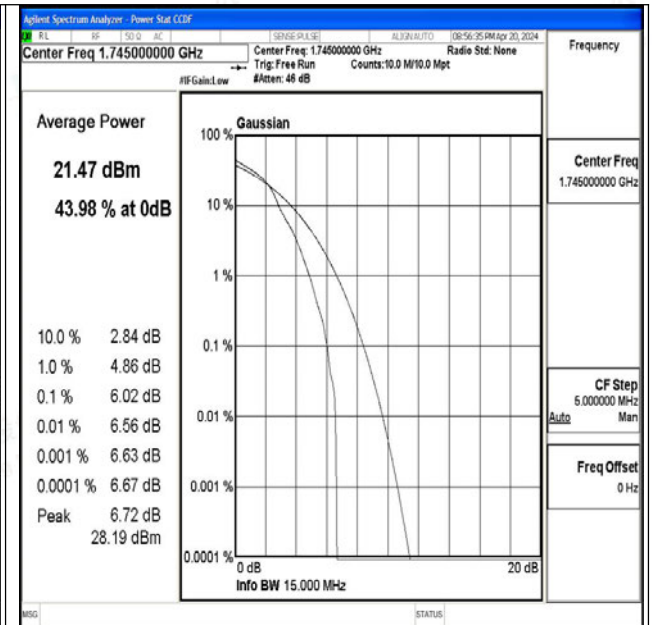
Add: 101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Shajing Street, Baoan District, Shenzhen, 518000, China

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

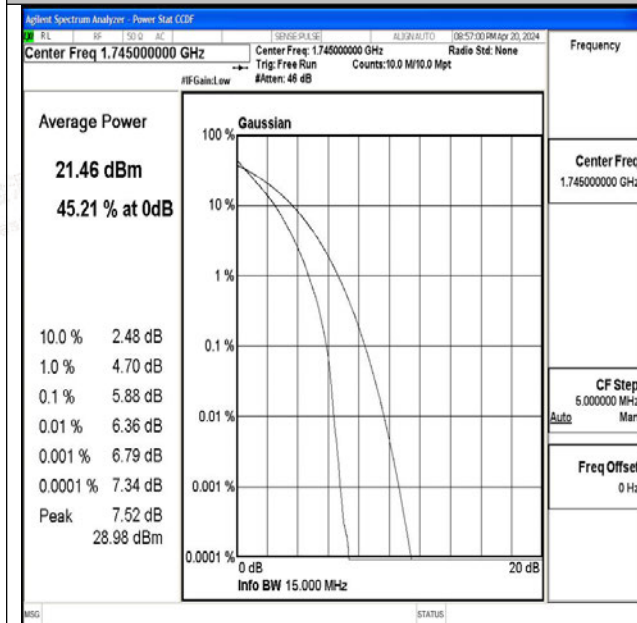
Scan code to check authenticity



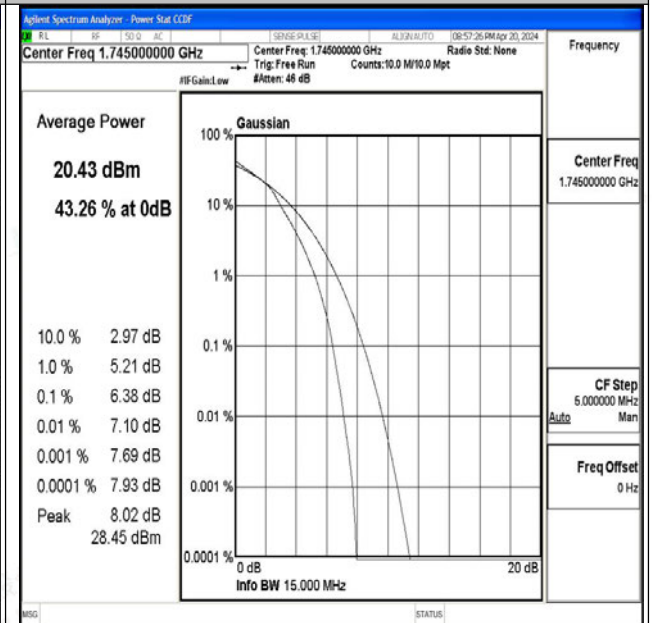
Band66-15MHz-QPSK-132322-1RB#0-PASS



Band66-15MHz-16QAM-132322-1RB#0-PASS



Band66-15MHz-QPSK-132322-75RB#0-PASS



Band66-15MHz-16QAM-132322-75RB#0-PASS

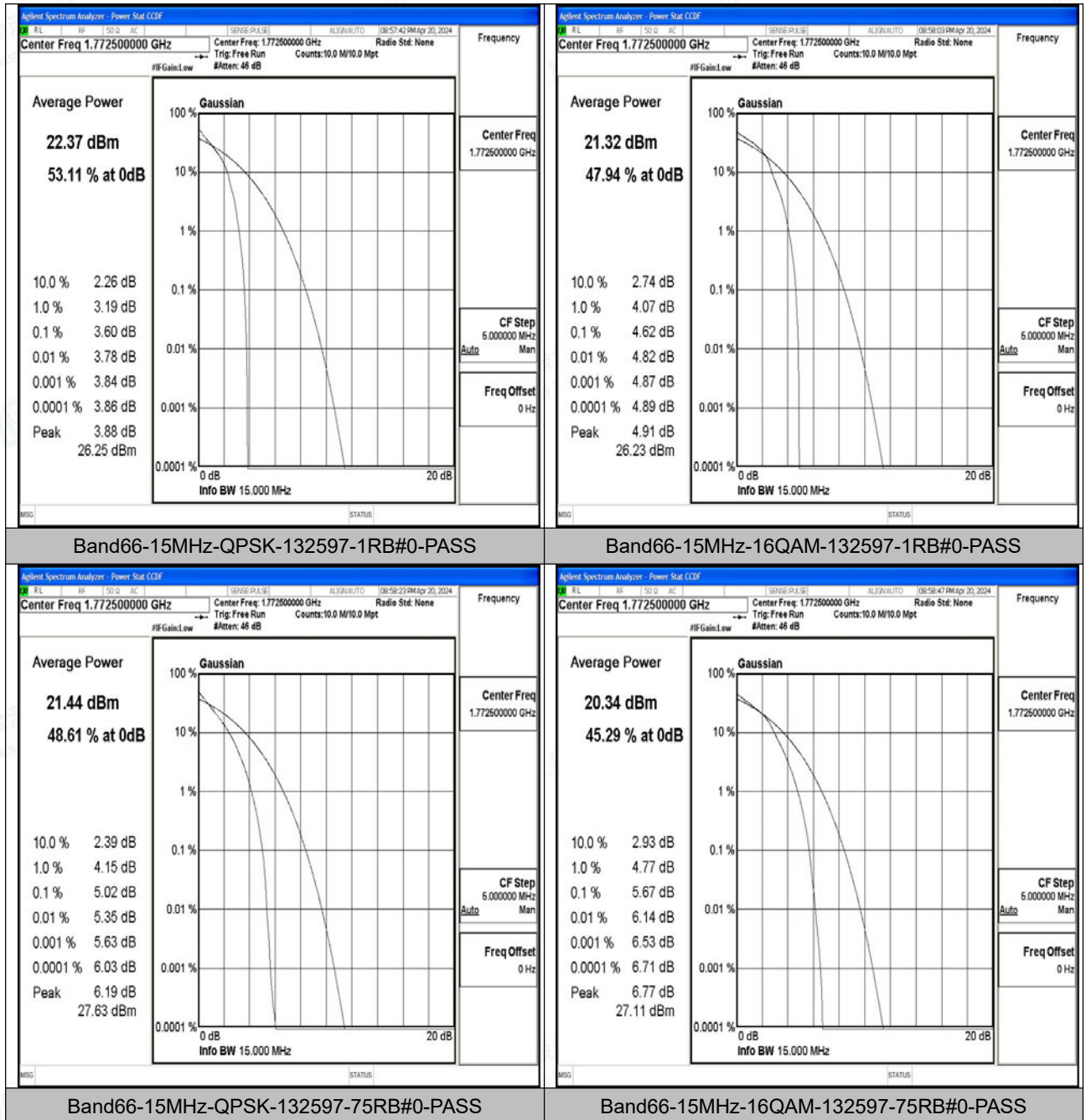


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

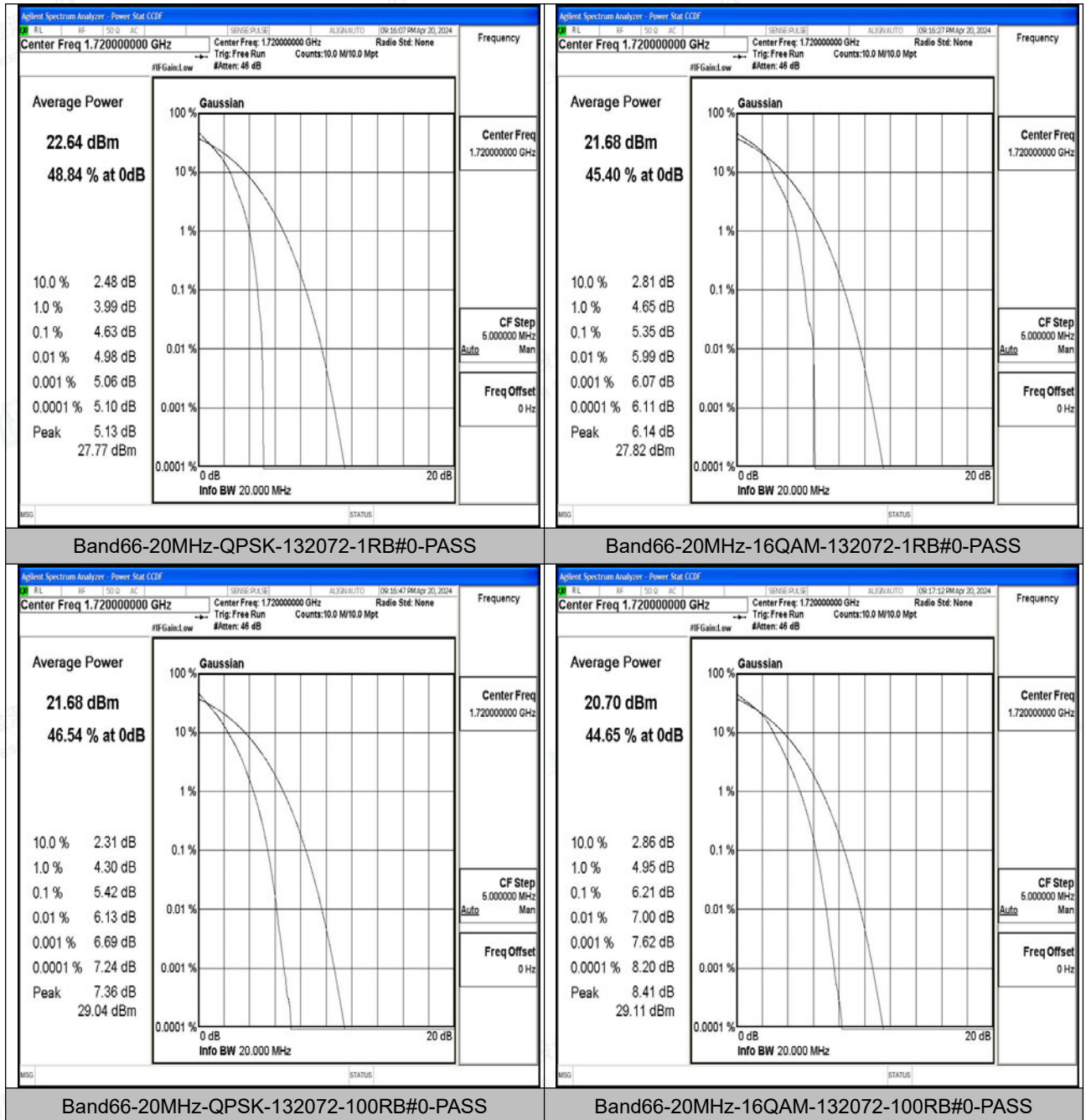


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

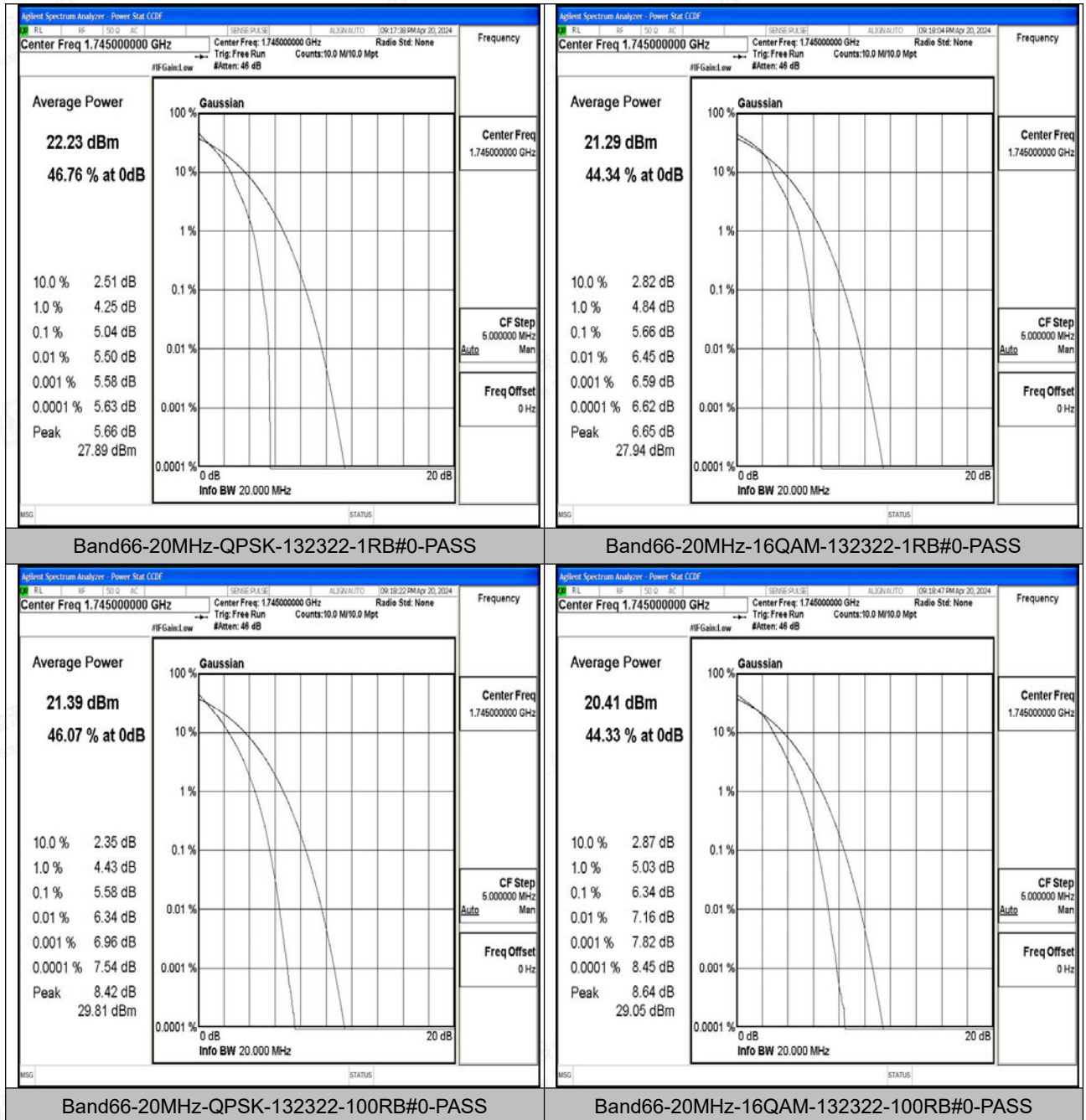


Shenzhen LCS Compliance Testing Laboratory Ltd.

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

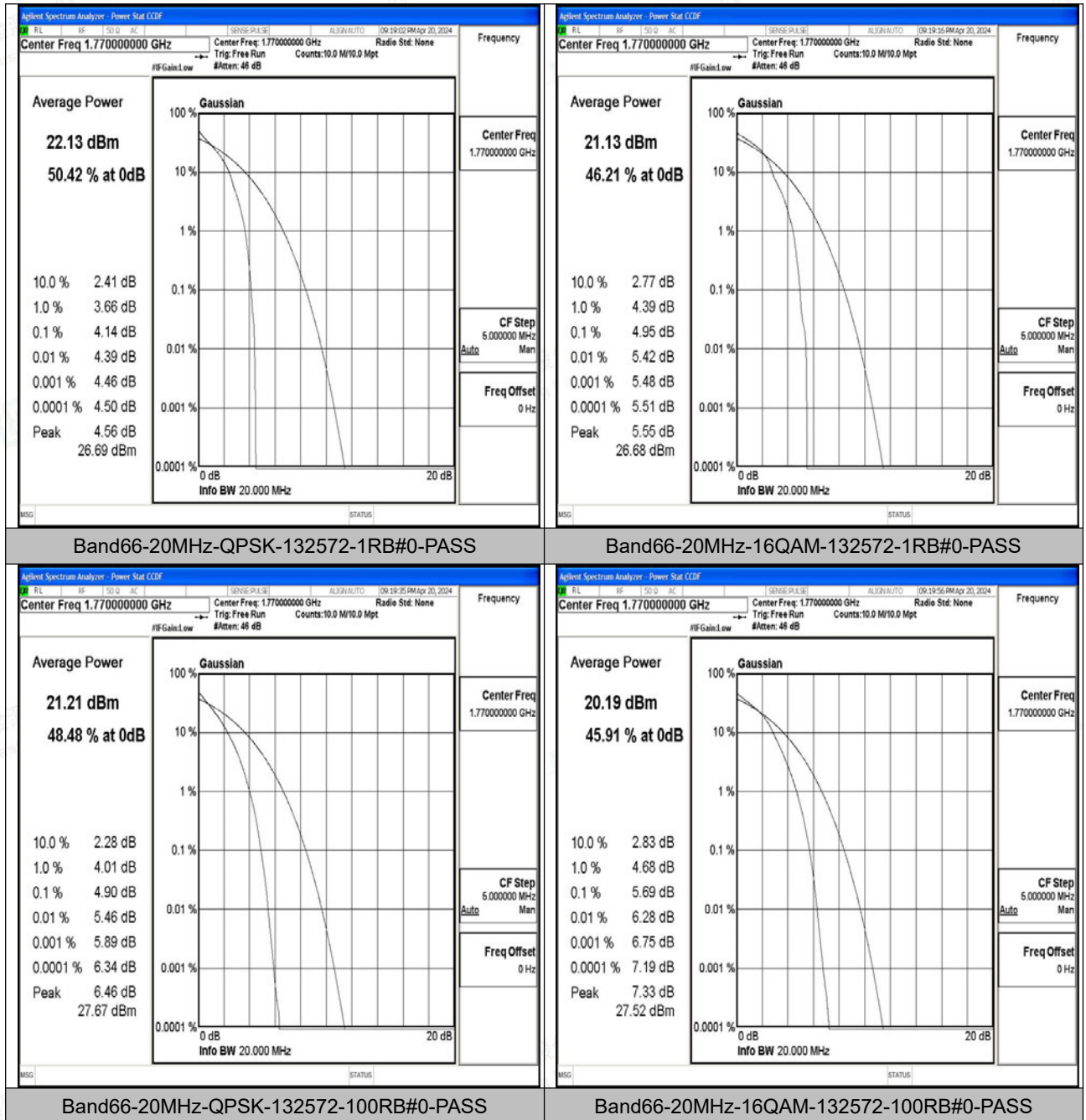


Shenzhen LCS Compliance Testing Laboratory Ltd.

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



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) 0755-85291330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com

Scan code to check authenticity



M.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.0908	1.289	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.0945	1.284	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.0933	1.284	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.0908	1.285	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.0925	1.290	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.0913	1.291	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.6835	2.891	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.6791	2.900	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.6842	2.904	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.6805	2.883	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.6879	2.887	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.6811	2.904	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.5194	5.163	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.5083	5.136	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.5245	5.160	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.5203	5.167	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.5232	5.227	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.5294	5.179	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.9878	10.15	PASS
Band66	10MHz	16QAM	132022	50RB#0	9.0043	10.03	PASS
Band66	10MHz	QPSK	132322	50RB#0	9.0045	10.20	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.9873	10.04	PASS
Band66	10MHz	QPSK	132622	50RB#0	9.0202	10.14	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.9985	10.03	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.477	14.97	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.489	14.91	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.517	15.13	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.480	14.90	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.492	15.04	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.503	15.07	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.962	19.69	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.892	19.81	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.985	19.84	PASS
Band66	20MHz	16QAM	132322	100RB#0	18.030	19.80	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



Band66	20MHz	QPSK	132572	100RB#0	17.916	19.73	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.955	19.70	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

