

Report No.: SEWM2304000122RG01

Rev.: 01

Page: 1 of 67

# Appendix B.4

## LTE Band 5



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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.  
Wireless Laboratory

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000  
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWM2304000122RG01

Rev.: 01

Page: 2 of 67

**Effective (Isotropic) Radiated Power Output Data****Test Result**

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	24.14	24.67	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.91	24.44	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.86	24.39	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	23.04	23.57	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.89	24.42	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.92	24.45	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.91	24.44	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.96	23.49	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	23.89	24.42	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	23.93	24.46	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.93	24.46	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	23.03	23.56	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	23.19	23.72	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	23.16	23.69	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	23.08	23.61	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	22.13	22.66	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	23.07	23.6	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	23.18	23.71	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	23.23	23.76	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.98	22.51	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	23	23.53	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	23.06	23.59	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	23.02	23.55	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.03	22.56	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	22.24	22.77	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#2	22.19	22.72	38.45	PASS
Band5	1.4MHz	64QAM	20407	1RB#5	22.01	22.54	38.45	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	21.11	21.64	38.45	PASS



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中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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Report No.: SEWM2304000122RG01

Rev.: 01

Page: 3 of 67

Band5	1.4MHz	64QAM	20525	1RB#0	22.1	22.63	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#2	22.45	22.98	38.45	PASS
Band5	1.4MHz	64QAM	20525	1RB#5	22.25	22.78	38.45	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	20.9	21.43	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	22.04	22.57	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#2	22.27	22.8	38.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#5	22.24	22.77	38.45	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	21.06	21.59	38.45	PASS
Band5	1.4MHz	256QAM	20407	1RB#0	19.14	19.67	38.45	PASS
Band5	1.4MHz	256QAM	20407	1RB#2	19.11	19.64	38.45	PASS
Band5	1.4MHz	256QAM	20407	1RB#5	19.16	19.69	38.45	PASS
Band5	1.4MHz	256QAM	20407	6RB#0	19.14	19.67	38.45	PASS
Band5	1.4MHz	256QAM	20525	1RB#0	19.03	19.56	38.45	PASS
Band5	1.4MHz	256QAM	20525	1RB#2	19.05	19.58	38.45	PASS
Band5	1.4MHz	256QAM	20525	1RB#5	19.09	19.62	38.45	PASS
Band5	1.4MHz	256QAM	20525	6RB#0	18.95	19.48	38.45	PASS
Band5	1.4MHz	256QAM	20643	1RB#0	19.15	19.68	38.45	PASS
Band5	1.4MHz	256QAM	20643	1RB#2	19.12	19.65	38.45	PASS
Band5	1.4MHz	256QAM	20643	1RB#5	19.07	19.6	38.45	PASS
Band5	1.4MHz	256QAM	20643	6RB#0	18.95	19.48	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.91	24.44	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#8	23.89	24.42	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.83	24.36	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	23.06	23.59	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	24.13	24.66	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	24.1	24.63	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	24.03	24.56	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.94	23.47	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	24.18	24.71	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	24.08	24.61	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.94	24.47	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	23.06	23.59	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	23.19	23.72	38.45	PASS



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Report No.: SEWM2304000122RG01

Rev.: 01

Page: 4 of 67

Band5	3MHz	16QAM	20415	1RB#8	23.13	23.66	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	23.16	23.69	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	22.12	22.65	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.94	23.47	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.08	23.61	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.13	23.66	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	21.97	22.5	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	23.11	23.64	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	23.16	23.69	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	23.14	23.67	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	22.09	22.62	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#0	22.1	22.63	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#8	22.3	22.83	38.45	PASS
Band5	3MHz	64QAM	20415	1RB#14	22.16	22.69	38.45	PASS
Band5	3MHz	64QAM	20415	15RB#0	21.06	21.59	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#0	22.07	22.6	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#8	22.3	22.83	38.45	PASS
Band5	3MHz	64QAM	20525	1RB#14	21.99	22.52	38.45	PASS
Band5	3MHz	64QAM	20525	15RB#0	20.97	21.5	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#0	22.1	22.63	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#8	22.16	22.69	38.45	PASS
Band5	3MHz	64QAM	20635	1RB#14	22.1	22.63	38.45	PASS
Band5	3MHz	64QAM	20635	15RB#0	21.06	21.59	38.45	PASS
Band5	3MHz	256QAM	20415	1RB#0	19.03	19.56	38.45	PASS
Band5	3MHz	256QAM	20415	1RB#8	19.1	19.63	38.45	PASS
Band5	3MHz	256QAM	20415	1RB#14	19.08	19.61	38.45	PASS
Band5	3MHz	256QAM	20415	15RB#0	19.04	19.57	38.45	PASS
Band5	3MHz	256QAM	20525	1RB#0	19.04	19.57	38.45	PASS
Band5	3MHz	256QAM	20525	1RB#8	19.24	19.77	38.45	PASS
Band5	3MHz	256QAM	20525	1RB#14	19.15	19.68	38.45	PASS
Band5	3MHz	256QAM	20525	15RB#0	18.96	19.49	38.45	PASS
Band5	3MHz	256QAM	20635	1RB#0	18.93	19.46	38.45	PASS
Band5	3MHz	256QAM	20635	1RB#8	19.13	19.66	38.45	PASS



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Report No.: SEWM2304000122RG01

Rev.: 01

Page: 5 of 67

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Band5	3MHz	256QAM	20635	15RB#0	19.01	19.54	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	24.18	24.71	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.92	24.45	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.95	24.48	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	23.13	23.66	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.36	23.89	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	24.04	24.57	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.92	24.45	38.45	PASS
Band5	5MHz	QPSK	20525	25RB#0	23.02	23.55	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.45	23.98	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.96	24.49	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	24.04	24.57	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.98	23.51	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	23.23	23.76	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	23.18	23.71	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	23.09	23.62	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	22.04	22.57	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.96	23.49	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.2	23.73	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	23.08	23.61	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.04	22.57	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	23.07	23.6	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.98	23.51	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	23.37	23.9	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.91	22.44	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#0	22.27	22.8	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#12	22.32	22.85	38.45	PASS
Band5	5MHz	64QAM	20425	1RB#24	22.04	22.57	38.45	PASS
Band5	5MHz	64QAM	20425	25RB#0	21.08	21.61	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#0	22.08	22.61	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#12	22.05	22.58	38.45	PASS
Band5	5MHz	64QAM	20525	1RB#24	22.15	22.68	38.45	PASS



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Report No.: SEWM2304000122RG01

Rev.: 01

Page: 6 of 67

Band5	5MHz	64QAM	20525	25RB#0	20.96	21.49	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#0	22.15	22.68	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#12	22.24	22.77	38.45	PASS
Band5	5MHz	64QAM	20625	1RB#24	22.17	22.7	38.45	PASS
Band5	5MHz	64QAM	20625	25RB#0	20.88	21.41	38.45	PASS
Band5	5MHz	256QAM	20425	1RB#0	19.12	19.65	38.45	PASS
Band5	5MHz	256QAM	20425	1RB#12	19.17	19.7	38.45	PASS
Band5	5MHz	256QAM	20425	1RB#24	18.92	19.45	38.45	PASS
Band5	5MHz	256QAM	20425	25RB#0	19.07	19.6	38.45	PASS
Band5	5MHz	256QAM	20525	1RB#0	19.01	19.54	38.45	PASS
Band5	5MHz	256QAM	20525	1RB#12	19.09	19.62	38.45	PASS
Band5	5MHz	256QAM	20525	1RB#24	19.13	19.66	38.45	PASS
Band5	5MHz	256QAM	20525	25RB#0	19.04	19.57	38.45	PASS
Band5	5MHz	256QAM	20625	1RB#0	19.04	19.57	38.45	PASS
Band5	5MHz	256QAM	20625	1RB#12	19.07	19.6	38.45	PASS
Band5	5MHz	256QAM	20625	1RB#24	19.04	19.57	38.45	PASS
Band5	5MHz	256QAM	20625	25RB#0	18.93	19.46	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.94	24.47	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.97	24.5	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.83	24.36	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	23.04	23.57	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.63	24.16	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	24.01	24.54	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.95	24.48	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	23	23.53	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.48	24.01	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	24.08	24.61	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.98	24.51	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	23.1	23.63	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	23.25	23.78	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#24	23.08	23.61	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.9	23.43	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.95	22.48	38.45	PASS



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Report No.: SEWM2304000122RG01

Rev.: 01

Page: 7 of 67

Band5	10MHz	16QAM	20525	1RB#0	23.11	23.64	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	23.12	23.65	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	23.15	23.68	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	22.02	22.55	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	23.05	23.58	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	23.12	23.65	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	23.2	23.73	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	22.12	22.65	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#0	22.32	22.85	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#24	22.02	22.55	38.45	PASS
Band5	10MHz	64QAM	20450	1RB#49	22.07	22.6	38.45	PASS
Band5	10MHz	64QAM	20450	50RB#0	21.07	21.6	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#0	22.26	22.79	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#24	22.3	22.83	38.45	PASS
Band5	10MHz	64QAM	20525	1RB#49	22.14	22.67	38.45	PASS
Band5	10MHz	64QAM	20525	50RB#0	20.98	21.51	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#0	22.31	22.84	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#24	22.12	22.65	38.45	PASS
Band5	10MHz	64QAM	20600	1RB#49	22.03	22.56	38.45	PASS
Band5	10MHz	64QAM	20600	50RB#0	21.13	21.66	38.45	PASS
Band5	10MHz	256QAM	20450	1RB#0	19.16	19.69	38.45	PASS
Band5	10MHz	256QAM	20450	1RB#24	19.09	19.62	38.45	PASS
Band5	10MHz	256QAM	20450	1RB#49	19.14	19.67	38.45	PASS
Band5	10MHz	256QAM	20450	50RB#0	19.04	19.57	38.45	PASS
Band5	10MHz	256QAM	20525	1RB#0	18.93	19.46	38.45	PASS
Band5	10MHz	256QAM	20525	1RB#24	19.13	19.66	38.45	PASS
Band5	10MHz	256QAM	20525	1RB#49	19.26	19.79	38.45	PASS
Band5	10MHz	256QAM	20525	50RB#0	19.1	19.63	38.45	PASS
Band5	10MHz	256QAM	20600	1RB#0	19.17	19.7	38.45	PASS
Band5	10MHz	256QAM	20600	1RB#24	19.12	19.65	38.45	PASS
Band5	10MHz	256QAM	20600	1RB#49	19.13	19.66	38.45	PASS
Band5	10MHz	256QAM	20600	50RB#0	19.11	19.64	38.45	PASS



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Report No.: SEWM2304000122RG01

Rev.: 01

Page: 8 of 67

## Peak-to-Average Ratio(CCDF)

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	4.56	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	4.38	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	4.86	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	5.52	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.74	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	5.78	13	PASS
Band5	10MHz	64QAM	20450	50RB#0	6.22	13	PASS
Band5	10MHz	64QAM	20525	50RB#0	5.96	13	PASS
Band5	10MHz	64QAM	20600	50RB#0	6.38	13	PASS
Band5	10MHz	256QAM	20450	50RB#0	6.54	13	PASS
Band5	10MHz	256QAM	20525	50RB#0	6.58	13	PASS
Band5	10MHz	256QAM	20600	50RB#0	6.60	13	PASS



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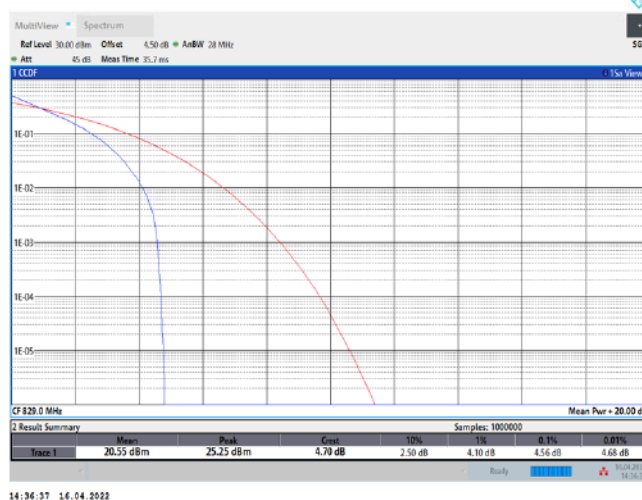
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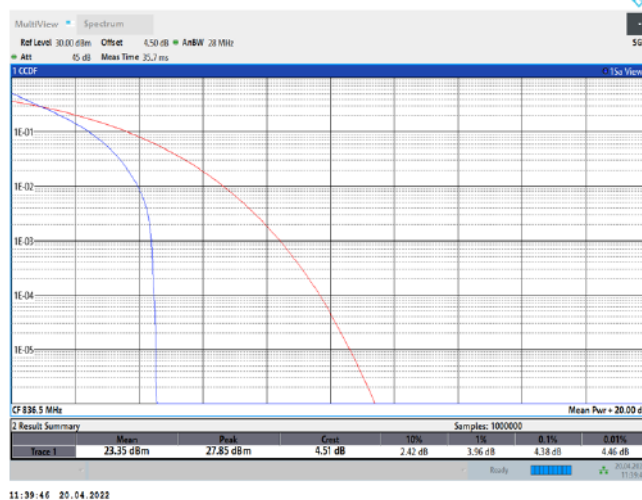
Page: 9 of 67

### Test Graphs

#### Band5-10MHz-QPSK-20450-50RB#0



#### Band5-10MHz-QPSK-20525-50RB#0



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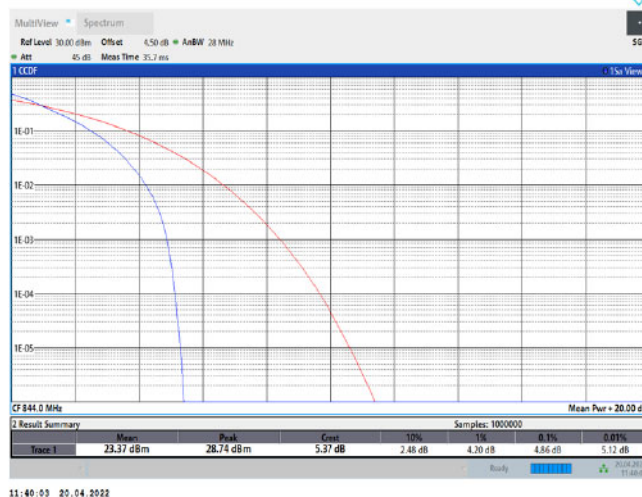
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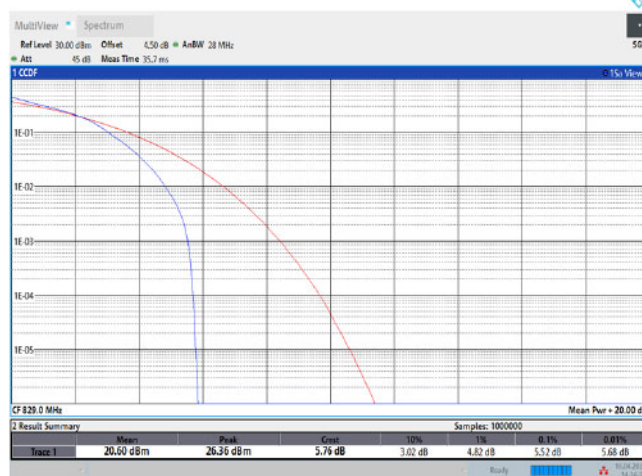
Page: 10 of 67

### Band5-10MHz-QPSK-20600-50RB#0



11:40:00 20.04.2022

### Band5-10MHz-16QAM-20450-50RB#0



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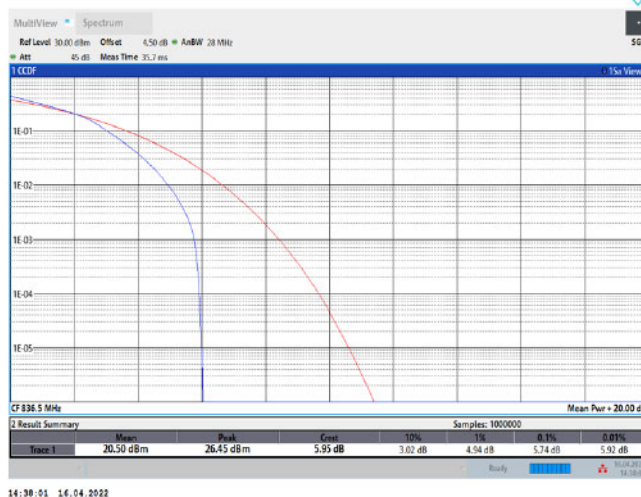
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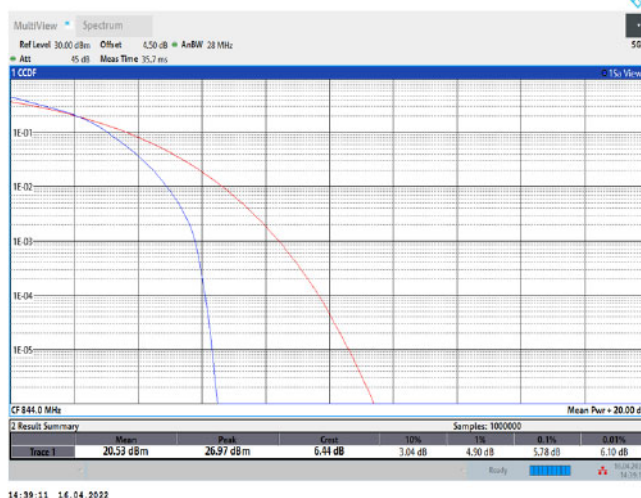
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### Band5-10MHz-16QAM-20525-50RB#0



### Band5-10MHz-16QAM-20600-50RB#0



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