



Appendix G: Test Data for E-UTRA Band 7

Product Name: Smart Phone

Test Model: K1

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Ling Zhu
Supervised by:	Li Huan





G.1 Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	20.76	PASS
Band7	5MHz	QPSK	20775	1RB#12	20.62	PASS
Band7	5MHz	QPSK	20775	1RB#24	20.51	PASS
Band7	5MHz	QPSK	20775	12RB#0	19.50	PASS
Band7	5MHz	QPSK	20775	12RB#6	19.51	PASS
Band7	5MHz	QPSK	20775	12RB#13	19.47	PASS
Band7	5MHz	QPSK	20775	25RB#0	19.48	PASS
Band7	5MHz	QPSK	21100	1RB#0	20.48	PASS
Band7	5MHz	QPSK	21100	1RB#12	20.65	PASS
Band7	5MHz	QPSK	21100	1RB#24	20.49	PASS
Band7	5MHz	QPSK	21100	12RB#0	19.44	PASS
Band7	5MHz	QPSK	21100	12RB#6	19.50	PASS
Band7	5MHz	QPSK	21100	12RB#13	19.54	PASS
Band7	5MHz	QPSK	21100	25RB#0	19.54	PASS
Band7	5MHz	QPSK	21425	1RB#0	20.80	PASS
Band7	5MHz	QPSK	21425	1RB#12	20.83	PASS
Band7	5MHz	QPSK	21425	1RB#24	20.80	PASS
Band7	5MHz	QPSK	21425	12RB#0	19.89	PASS
Band7	5MHz	QPSK	21425	12RB#6	19.80	PASS
Band7	5MHz	QPSK	21425	12RB#13	19.82	PASS
Band7	5MHz	QPSK	21425	25RB#0	19.83	PASS
Band7	5MHz	16QAM	20775	1RB#0	19.32	PASS
Band7	5MHz	16QAM	20775	1RB#12	19.50	PASS
Band7	5MHz	16QAM	20775	1RB#24	19.38	PASS
Band7	5MHz	16QAM	20775	12RB#0	18.51	PASS
Band7	5MHz	16QAM	20775	12RB#6	18.50	PASS
Band7	5MHz	16QAM	20775	12RB#13	18.51	PASS
Band7	5MHz	16QAM	20775	25RB#0	18.50	PASS
Band7	5MHz	16QAM	21100	1RB#0	19.46	PASS
Band7	5MHz	16QAM	21100	1RB#12	19.55	PASS



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Scan code to check authenticity



Band7	5MHz	16QAM	21100	1RB#24	19.46	PASS
Band7	5MHz	16QAM	21100	12RB#0	18.47	PASS
Band7	5MHz	16QAM	21100	12RB#6	18.47	PASS
Band7	5MHz	16QAM	21100	12RB#13	18.53	PASS
Band7	5MHz	16QAM	21100	25RB#0	18.54	PASS
Band7	5MHz	16QAM	21425	1RB#0	19.85	PASS
Band7	5MHz	16QAM	21425	1RB#12	20.03	PASS
Band7	5MHz	16QAM	21425	1RB#24	19.86	PASS
Band7	5MHz	16QAM	21425	12RB#0	18.91	PASS
Band7	5MHz	16QAM	21425	12RB#6	18.86	PASS
Band7	5MHz	16QAM	21425	12RB#13	18.88	PASS
Band7	5MHz	16QAM	21425	25RB#0	18.88	PASS
Band7	10MHz	QPSK	20800	1RB#0	20.45	PASS
Band7	10MHz	QPSK	20800	1RB#24	20.63	PASS
Band7	10MHz	QPSK	20800	1RB#49	20.50	PASS
Band7	10MHz	QPSK	20800	25RB#0	19.58	PASS
Band7	10MHz	QPSK	20800	25RB#12	19.55	PASS
Band7	10MHz	QPSK	20800	25RB#25	19.56	PASS
Band7	10MHz	QPSK	20800	50RB#0	19.55	PASS
Band7	10MHz	QPSK	21100	1RB#0	20.46	PASS
Band7	10MHz	QPSK	21100	1RB#24	20.69	PASS
Band7	10MHz	QPSK	21100	1RB#49	20.53	PASS
Band7	10MHz	QPSK	21100	25RB#0	19.57	PASS
Band7	10MHz	QPSK	21100	25RB#12	19.54	PASS
Band7	10MHz	QPSK	21100	25RB#25	19.62	PASS
Band7	10MHz	QPSK	21100	50RB#0	19.51	PASS
Band7	10MHz	QPSK	21400	1RB#0	20.89	PASS
Band7	10MHz	QPSK	21400	1RB#24	21.03	PASS
Band7	10MHz	QPSK	21400	1RB#49	20.93	PASS
Band7	10MHz	QPSK	21400	25RB#0	19.83	PASS
Band7	10MHz	QPSK	21400	25RB#12	19.89	PASS
Band7	10MHz	QPSK	21400	25RB#25	19.96	PASS
Band7	10MHz	QPSK	21400	50RB#0	19.86	PASS
Band7	10MHz	16QAM	20800	1RB#0	19.40	PASS
Band7	10MHz	16QAM	20800	1RB#24	19.64	PASS



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Band7	10MHz	16QAM	20800	1RB#49	19.53	PASS
Band7	10MHz	16QAM	20800	25RB#0	18.56	PASS
Band7	10MHz	16QAM	20800	25RB#12	18.59	PASS
Band7	10MHz	16QAM	20800	25RB#25	18.56	PASS
Band7	10MHz	16QAM	20800	50RB#0	18.60	PASS
Band7	10MHz	16QAM	21100	1RB#0	19.51	PASS
Band7	10MHz	16QAM	21100	1RB#24	19.61	PASS
Band7	10MHz	16QAM	21100	1RB#49	19.61	PASS
Band7	10MHz	16QAM	21100	25RB#0	18.52	PASS
Band7	10MHz	16QAM	21100	25RB#12	18.54	PASS
Band7	10MHz	16QAM	21100	25RB#25	18.62	PASS
Band7	10MHz	16QAM	21100	50RB#0	18.55	PASS
Band7	10MHz	16QAM	21400	1RB#0	19.69	PASS
Band7	10MHz	16QAM	21400	1RB#24	19.84	PASS
Band7	10MHz	16QAM	21400	1RB#49	19.78	PASS
Band7	10MHz	16QAM	21400	25RB#0	18.88	PASS
Band7	10MHz	16QAM	21400	25RB#12	18.91	PASS
Band7	10MHz	16QAM	21400	25RB#25	18.90	PASS
Band7	10MHz	16QAM	21400	50RB#0	18.90	PASS
Band7	15MHz	QPSK	20825	1RB#0	20.51	PASS
Band7	15MHz	QPSK	20825	1RB#38	20.58	PASS
Band7	15MHz	QPSK	20825	1RB#74	20.35	PASS
Band7	15MHz	QPSK	20825	38RB#0	19.41	PASS
Band7	15MHz	QPSK	20825	38RB#18	19.59	PASS
Band7	15MHz	QPSK	20825	38RB#37	19.32	PASS
Band7	15MHz	QPSK	20825	75RB#0	19.52	PASS
Band7	15MHz	QPSK	21100	1RB#0	20.81	PASS
Band7	15MHz	QPSK	21100	1RB#38	20.51	PASS
Band7	15MHz	QPSK	21100	1RB#74	20.46	PASS
Band7	15MHz	QPSK	21100	38RB#0	19.43	PASS
Band7	15MHz	QPSK	21100	38RB#18	19.67	PASS
Band7	15MHz	QPSK	21100	38RB#37	19.95	PASS
Band7	15MHz	QPSK	21100	75RB#0	20.05	PASS
Band7	15MHz	QPSK	21375	1RB#0	20.81	PASS
Band7	15MHz	QPSK	21375	1RB#38	20.79	PASS



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Band7	15MHz	QPSK	21375	1RB#74	20.72	PASS
Band7	15MHz	QPSK	21375	38RB#0	19.79	PASS
Band7	15MHz	QPSK	21375	38RB#18	19.92	PASS
Band7	15MHz	QPSK	21375	38RB#37	19.90	PASS
Band7	15MHz	QPSK	21375	75RB#0	19.86	PASS
Band7	15MHz	16QAM	20825	1RB#0	19.65	PASS
Band7	15MHz	16QAM	20825	1RB#38	19.69	PASS
Band7	15MHz	16QAM	20825	1RB#74	19.44	PASS
Band7	15MHz	16QAM	20825	38RB#0	19.91	PASS
Band7	15MHz	16QAM	20825	38RB#18	20.05	PASS
Band7	15MHz	16QAM	20825	38RB#37	19.64	PASS
Band7	15MHz	16QAM	20825	75RB#0	19.01	PASS
Band7	15MHz	16QAM	21100	1RB#0	19.95	PASS
Band7	15MHz	16QAM	21100	1RB#38	20.14	PASS
Band7	15MHz	16QAM	21100	1RB#74	20.03	PASS
Band7	15MHz	16QAM	21100	38RB#0	19.64	PASS
Band7	15MHz	16QAM	21100	38RB#18	20.01	PASS
Band7	15MHz	16QAM	21100	38RB#37	20.03	PASS
Band7	15MHz	16QAM	21100	75RB#0	19.03	PASS
Band7	15MHz	16QAM	21375	1RB#0	19.92	PASS
Band7	15MHz	16QAM	21375	1RB#38	19.88	PASS
Band7	15MHz	16QAM	21375	1RB#74	20.31	PASS
Band7	15MHz	16QAM	21375	38RB#0	20.11	PASS
Band7	15MHz	16QAM	21375	38RB#18	19.96	PASS
Band7	15MHz	16QAM	21375	38RB#37	19.86	PASS
Band7	15MHz	16QAM	21375	75RB#0	18.78	PASS
Band7	20MHz	QPSK	20850	1RB#0	20.82	PASS
Band7	20MHz	QPSK	20850	1RB#49	21.25	PASS
Band7	20MHz	QPSK	20850	1RB#99	20.69	PASS
Band7	20MHz	QPSK	20850	50RB#0	20.03	PASS
Band7	20MHz	QPSK	20850	50RB#25	20.08	PASS
Band7	20MHz	QPSK	20850	50RB#50	19.82	PASS
Band7	20MHz	QPSK	20850	100RB#0	19.93	PASS
Band7	20MHz	QPSK	21100	1RB#0	20.69	PASS
Band7	20MHz	QPSK	21100	1RB#49	20.68	PASS



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Band7	20MHz	QPSK	21100	1RB#99	20.97	PASS
Band7	20MHz	QPSK	21100	50RB#0	19.83	PASS
Band7	20MHz	QPSK	21100	50RB#25	19.85	PASS
Band7	20MHz	QPSK	21100	50RB#50	19.95	PASS
Band7	20MHz	QPSK	21100	100RB#0	19.91	PASS
Band7	20MHz	QPSK	21350	1RB#0	21.10	PASS
Band7	20MHz	QPSK	21350	1RB#49	21.46	PASS
Band7	20MHz	QPSK	21350	1RB#99	20.65	PASS
Band7	20MHz	QPSK	21350	50RB#0	20.35	PASS
Band7	20MHz	QPSK	21350	50RB#25	20.37	PASS
Band7	20MHz	QPSK	21350	50RB#50	20.32	PASS
Band7	20MHz	QPSK	21350	100RB#0	19.91	PASS
Band7	20MHz	16QAM	20850	1RB#0	19.90	PASS
Band7	20MHz	16QAM	20850	1RB#49	20.08	PASS
Band7	20MHz	16QAM	20850	1RB#99	19.69	PASS
Band7	20MHz	16QAM	20850	50RB#0	19.08	PASS
Band7	20MHz	16QAM	20850	50RB#25	19.09	PASS
Band7	20MHz	16QAM	20850	50RB#50	18.97	PASS
Band7	20MHz	16QAM	20850	100RB#0	19.03	PASS
Band7	20MHz	16QAM	21100	1RB#0	19.81	PASS
Band7	20MHz	16QAM	21100	1RB#49	20.10	PASS
Band7	20MHz	16QAM	21100	1RB#99	19.79	PASS
Band7	20MHz	16QAM	21100	50RB#0	18.86	PASS
Band7	20MHz	16QAM	21100	50RB#25	18.93	PASS
Band7	20MHz	16QAM	21100	50RB#50	19.02	PASS
Band7	20MHz	16QAM	21100	100RB#0	18.91	PASS
Band7	20MHz	16QAM	21350	1RB#0	20.23	PASS
Band7	20MHz	16QAM	21350	1RB#49	20.62	PASS
Band7	20MHz	16QAM	21350	1RB#99	20.03	PASS
Band7	20MHz	16QAM	21350	50RB#0	19.40	PASS
Band7	20MHz	16QAM	21350	50RB#25	19.35	PASS
Band7	20MHz	16QAM	21350	50RB#50	19.46	PASS
Band7	20MHz	16QAM	21350	100RB#0	19.34	PASS



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

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	5.08	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	5.29	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	5.30	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.86	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	6.01	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	6.09	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	5.15	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	5.29	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	5.30	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	5.95	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	6.10	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.67	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	5.57	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	5.63	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	5.71	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	6.16	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	6.20	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	6.26	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	5.39	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	5.47	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	5.54	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	6.15	13	PASS
Band7	20MHz	16QAM	21100	100RB#0	6.20	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	6.28	13	PASS



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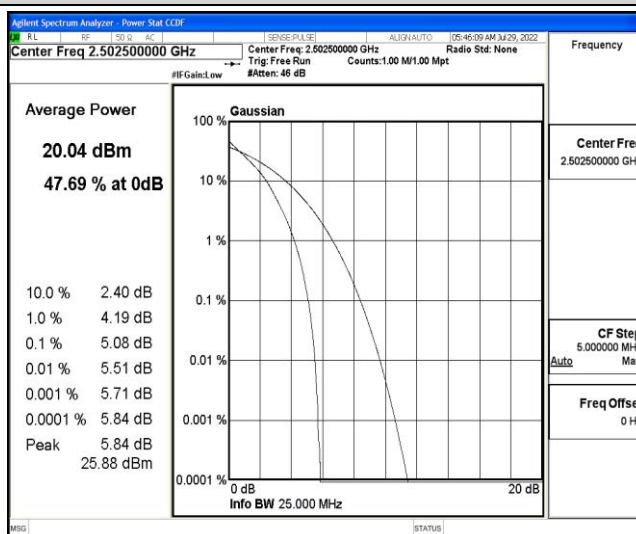
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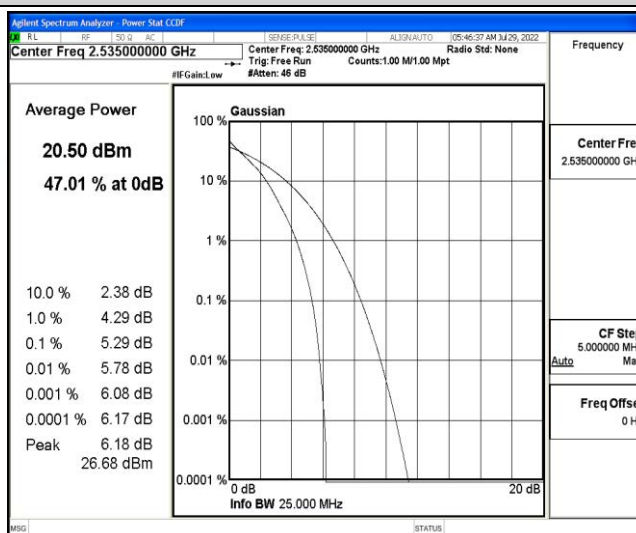


Test Graphs

Band7-5MHz-QPSK-20775-25RB#0



Band7-5MHz-QPSK-21100-25RB#0



Band7-5MHz-QPSK-21425-25RB#0

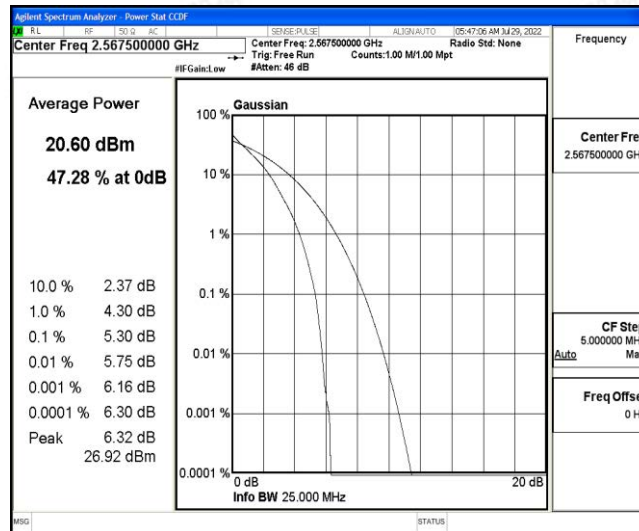


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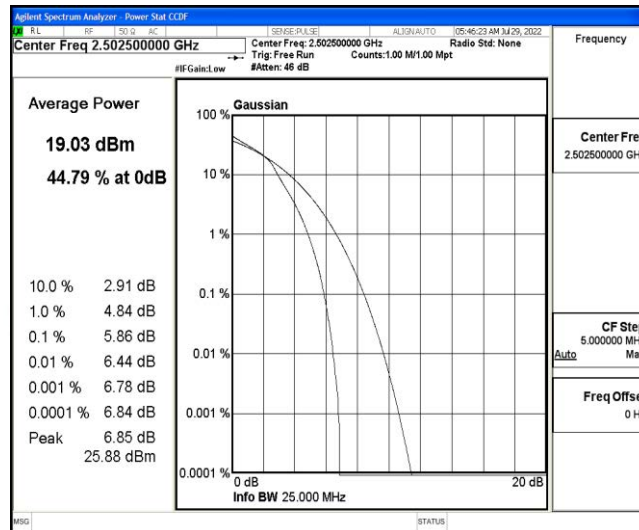
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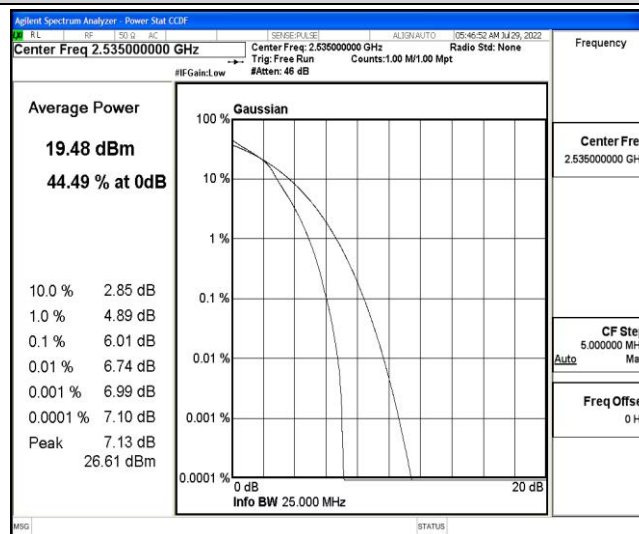
Scan code to check authenticity



Band7-5MHz-16QAM-20775-25RB#0



Band7-5MHz-16QAM-21100-25RB#0



Band7-5MHz-16QAM-21425-25RB#0

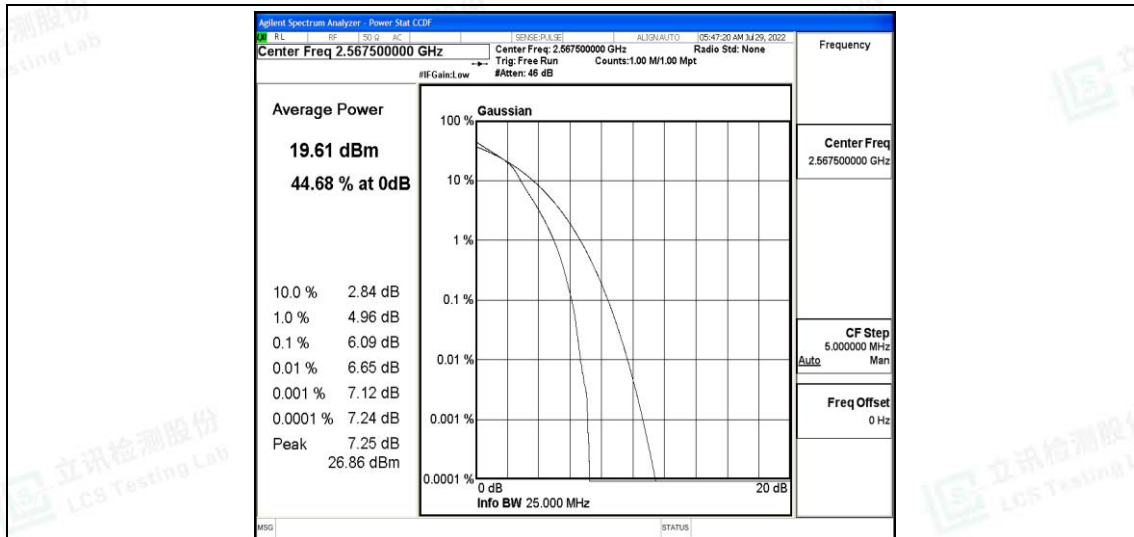


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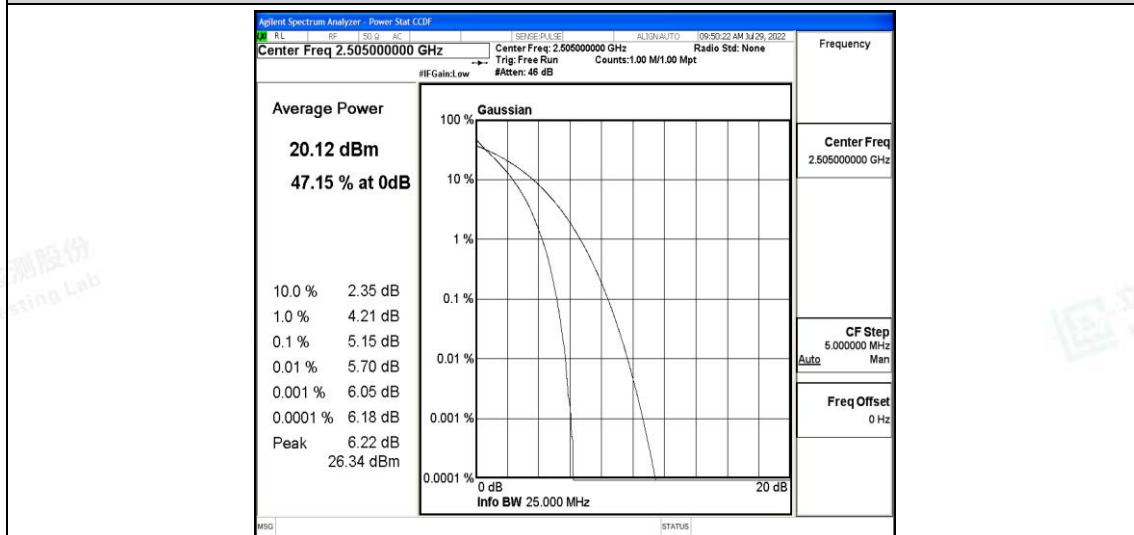
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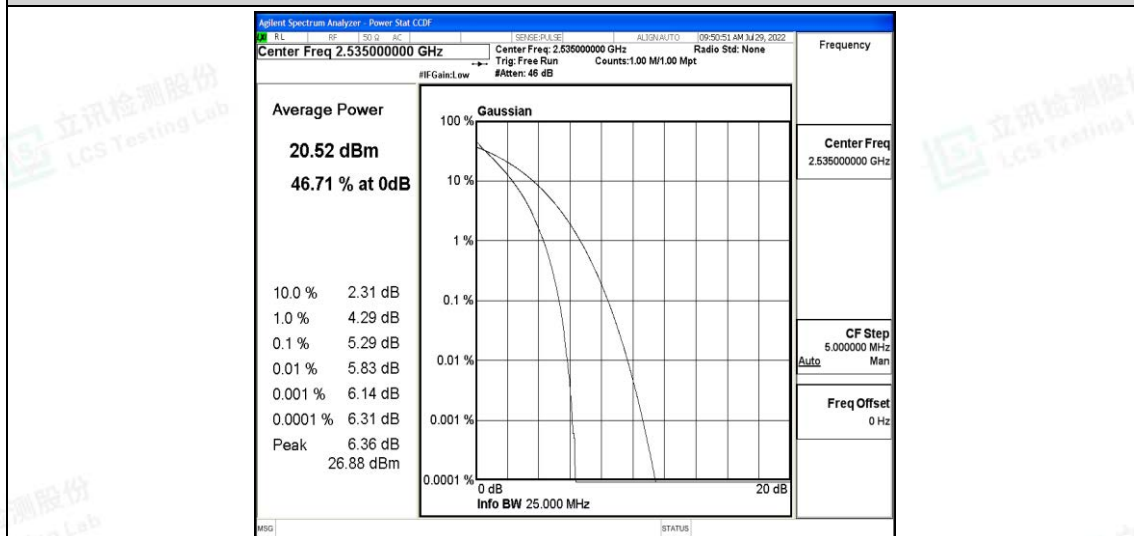
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Band7-10MHz-QPSK-20800-50RB#0



Band7-10MHz-QPSK-21100-50RB#0



Band7-10MHz-QPSK-21400-50RB#0

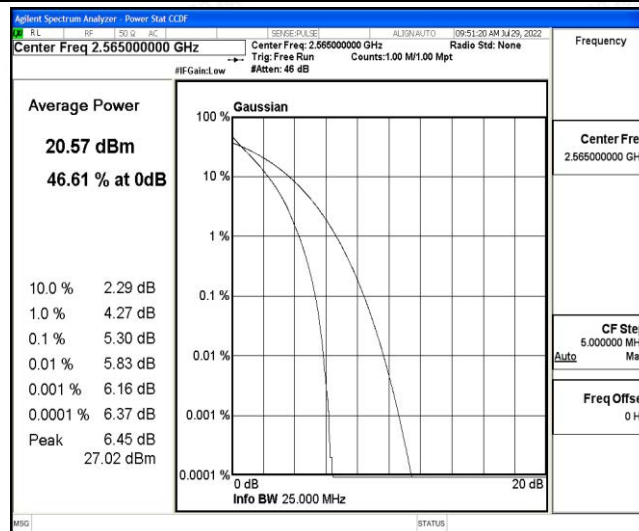


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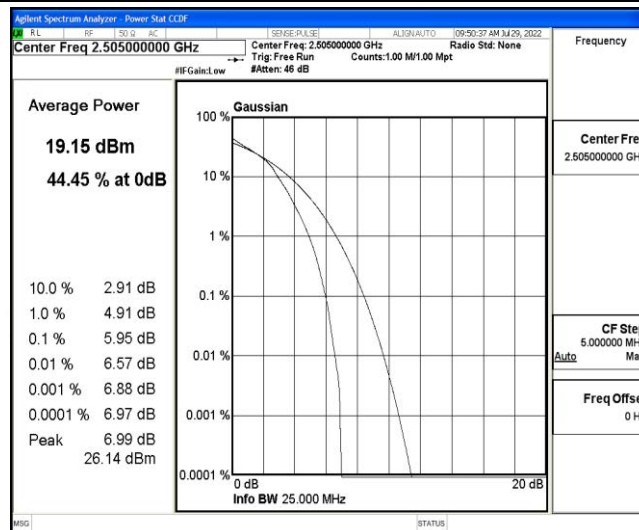
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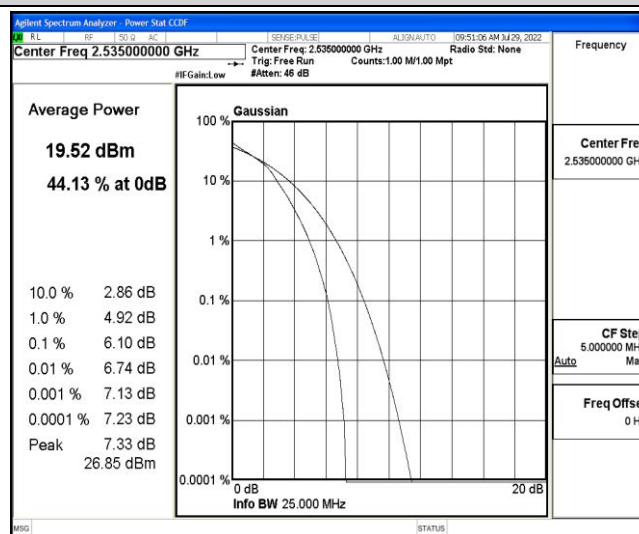
Scan code to check authenticity



Band7-10MHz-16QAM-20800-50RB#0

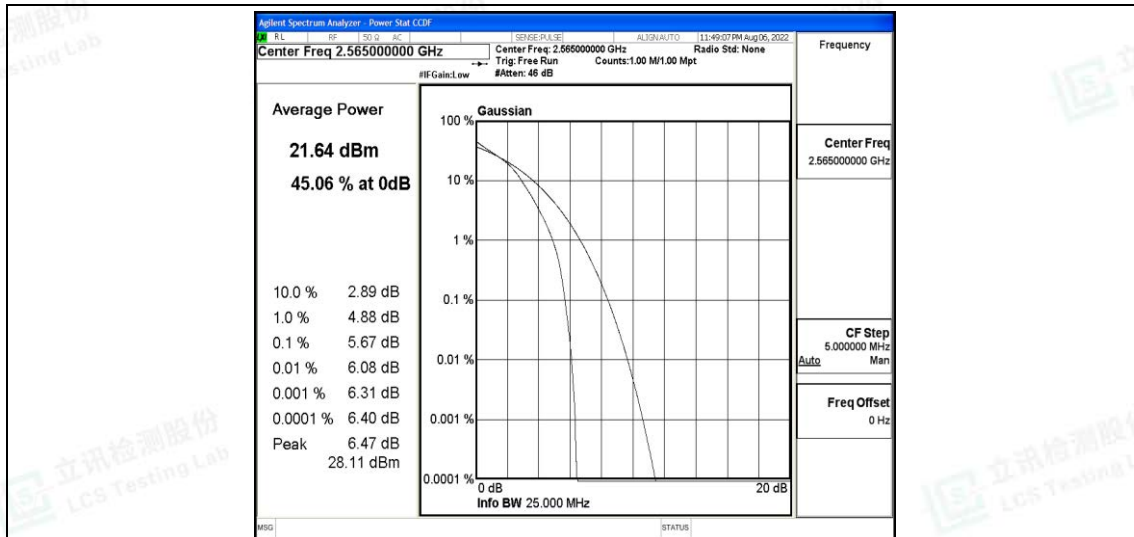


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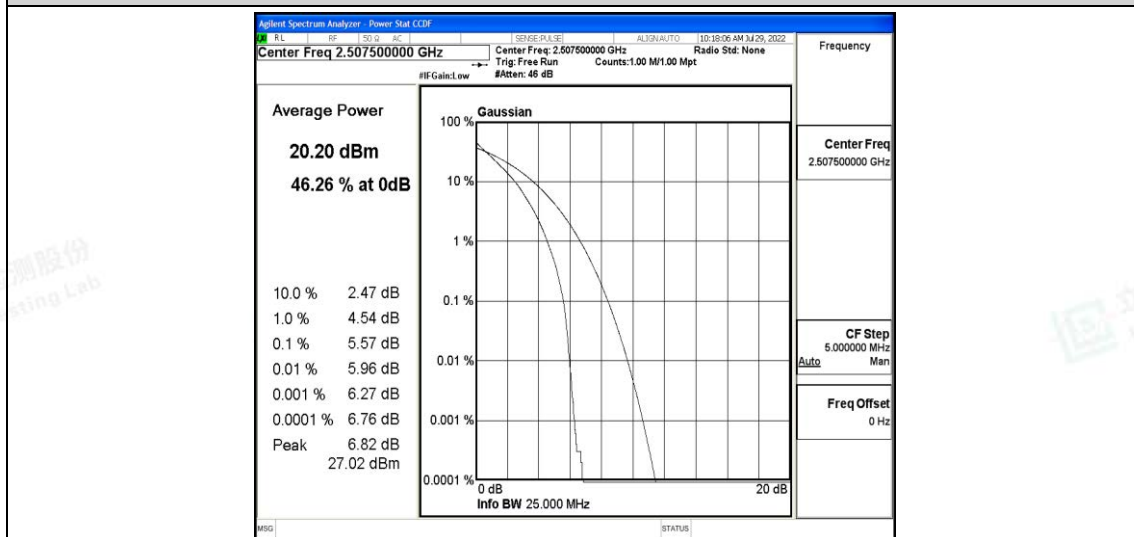


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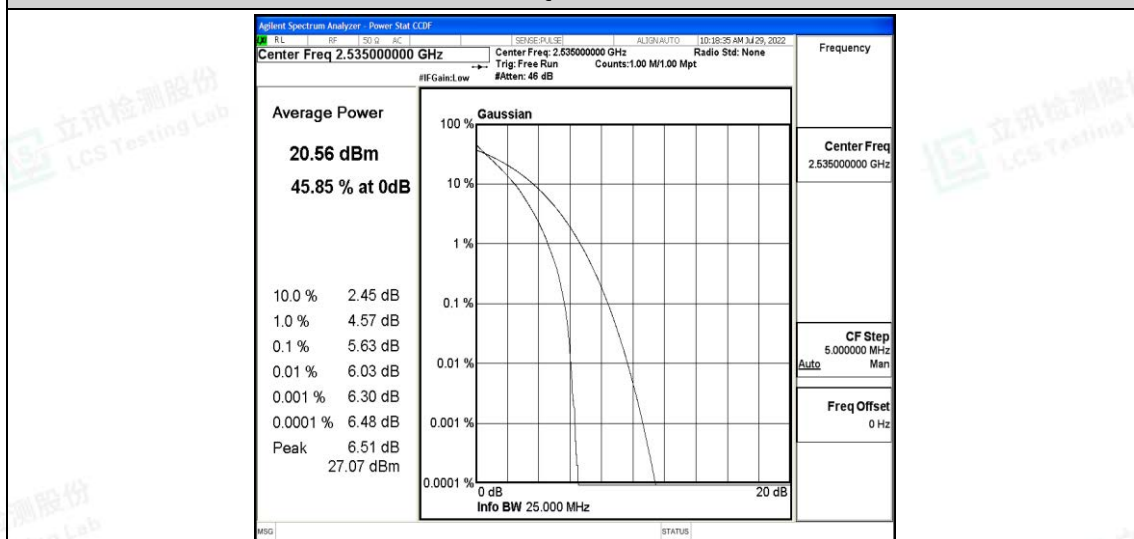




Band7-15MHz-QPSK-20825-75RB#0



Band7-15MHz-QPSK-21100-75RB#0



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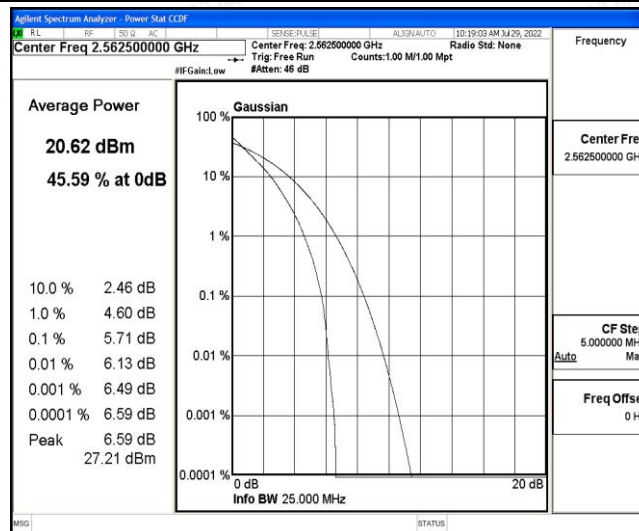


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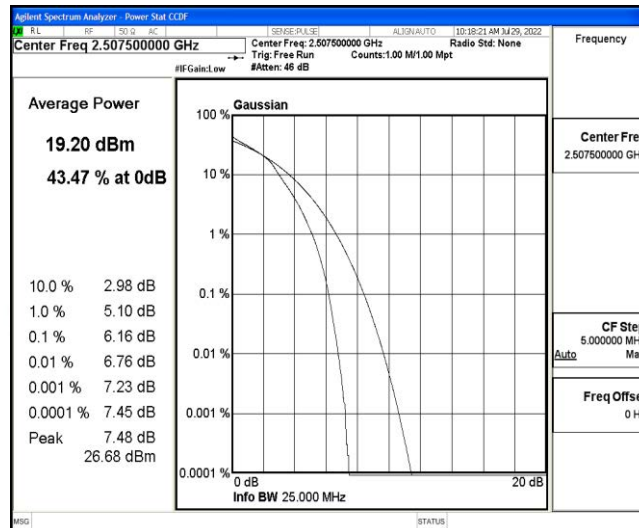
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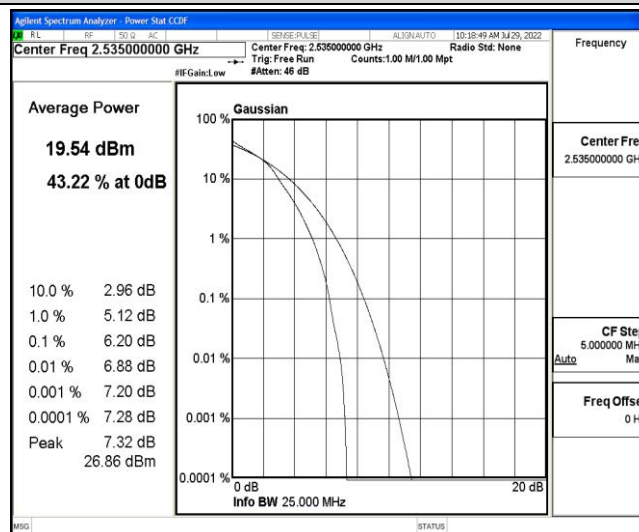
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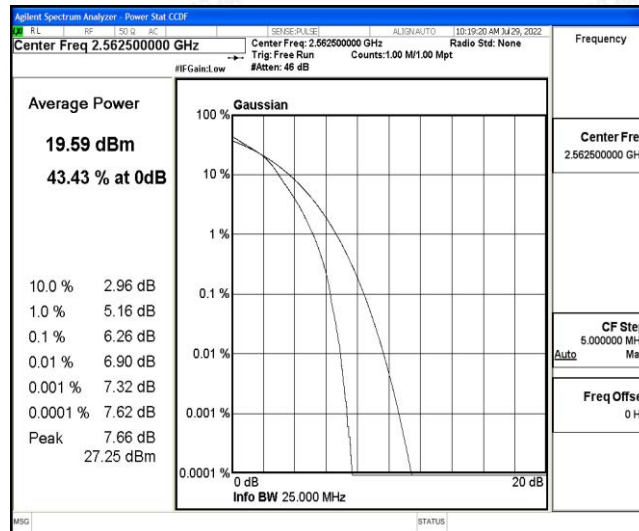


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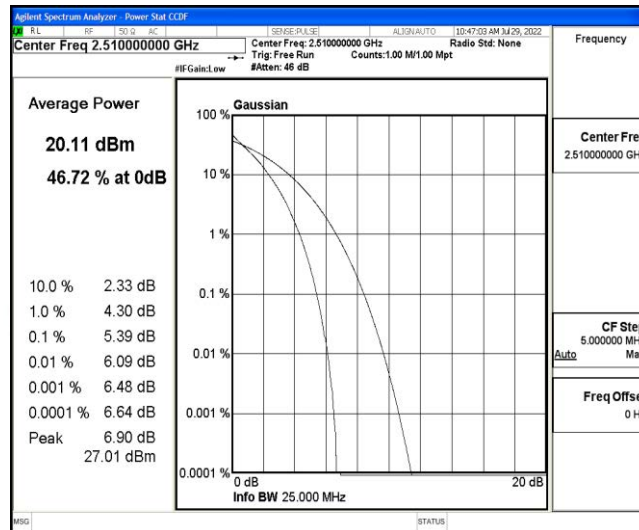


Band7-15MHz-16QAM-21375-75RB#0

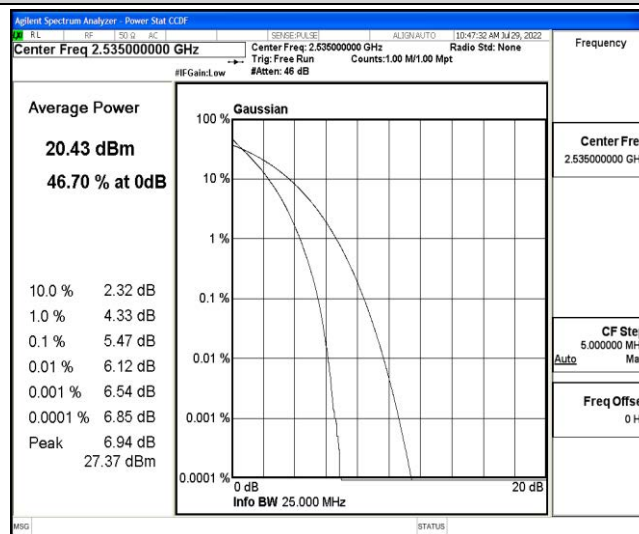




Band7-20MHz-QPSK-20850-100RB#0



Band7-20MHz-QPSK-21100-100RB#0



Band7-20MHz-QPSK-21350-100RB#0

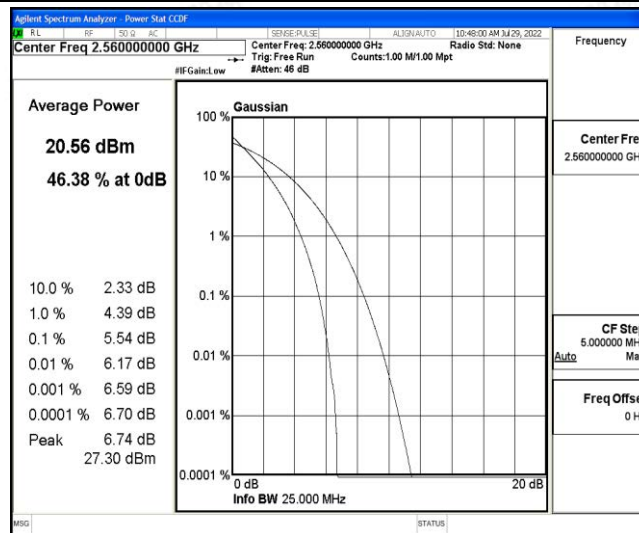


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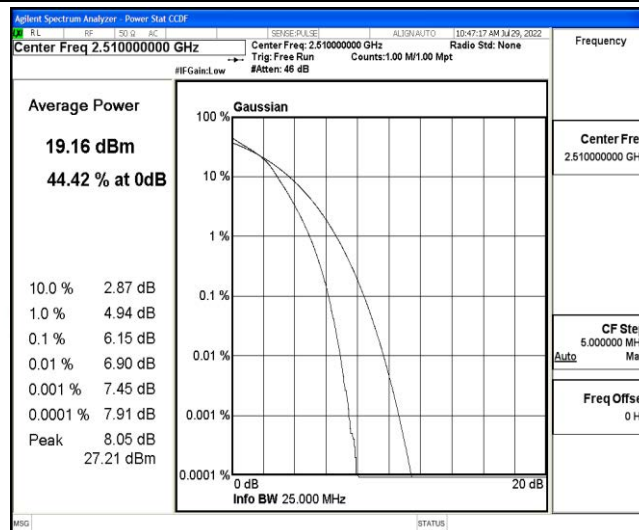
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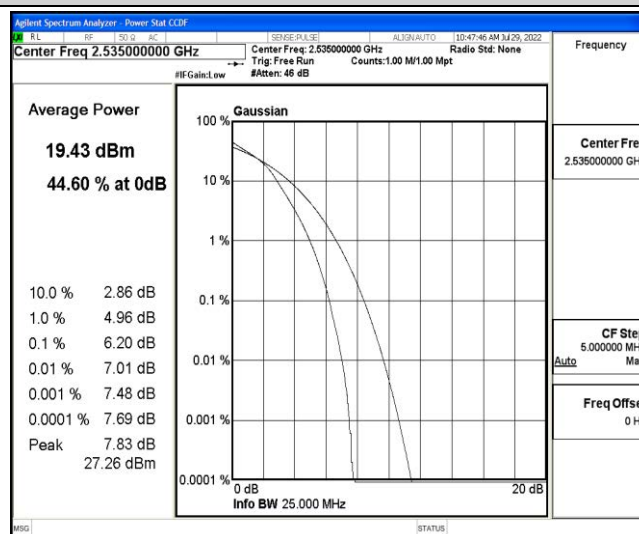
Scan code to check authenticity



Band7-20MHz-16QAM-20850-100RB#0

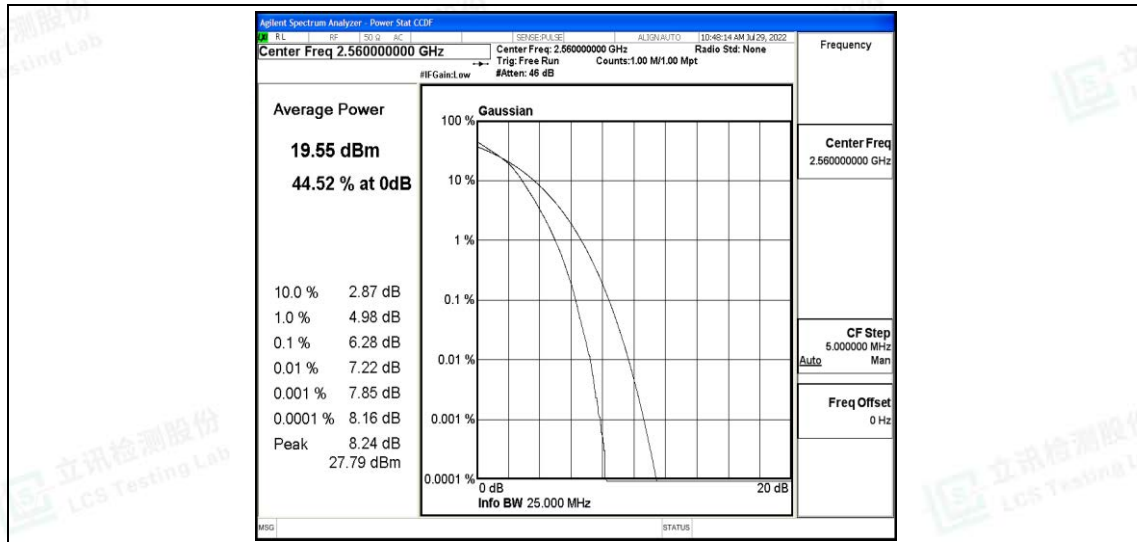


Band7-20MHz-16QAM-21100-100RB#0



Band7-20MHz-16QAM-21350-100RB#0







G.3 26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5044	4.934	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.4900	4.906	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.4955	4.942	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.4948	4.914	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.4934	4.954	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5076	4.939	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9842	9.774	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9734	9.743	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9635	9.797	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9779	9.734	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9842	9.810	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9760	9.722	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.463	14.74	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.462	14.74	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.435	14.59	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.474	14.62	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.484	14.52	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.472	14.54	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.922	19.34	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.924	19.54	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.990	19.28	PASS
Band7	20MHz	16QAM	20850	100RB#0	18.018	19.23	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.937	19.31	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.937	19.41	PASS



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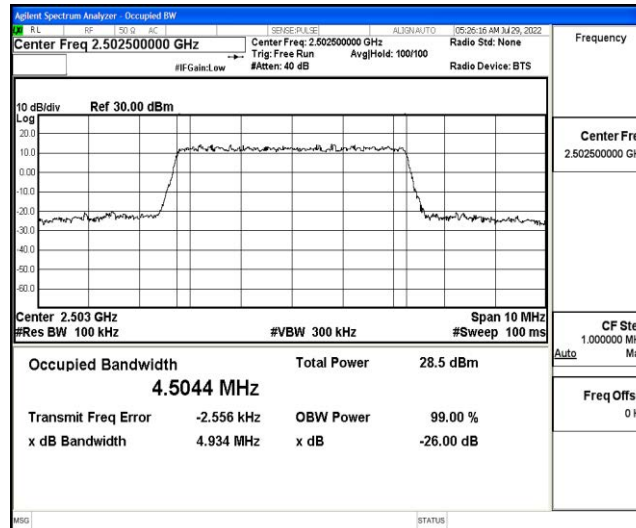
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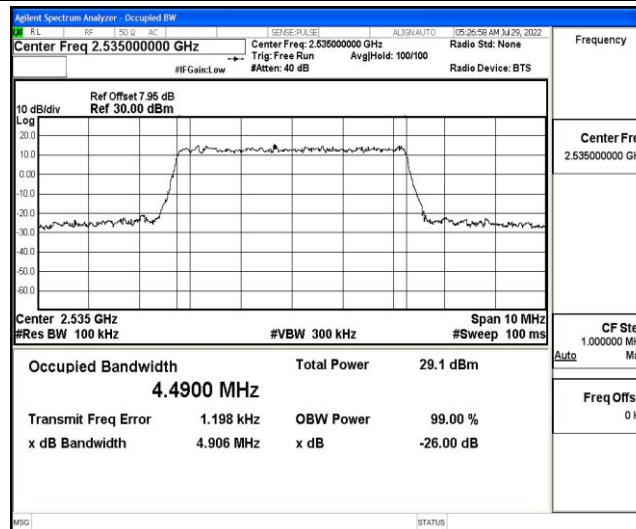


Test Graphs

Band7-5MHz-QPSK-20775-25RB#0

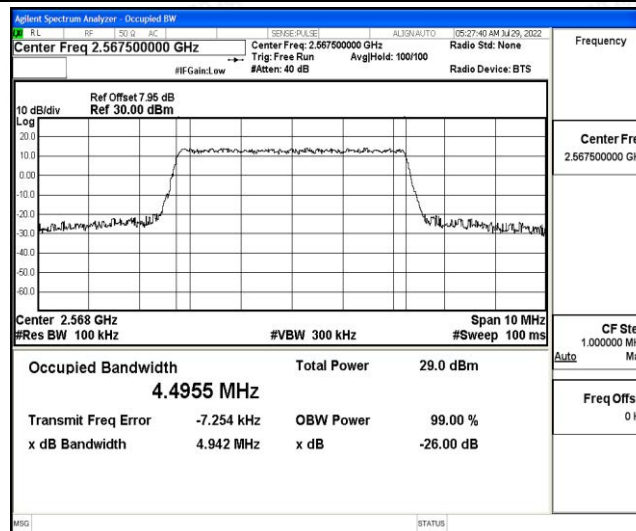


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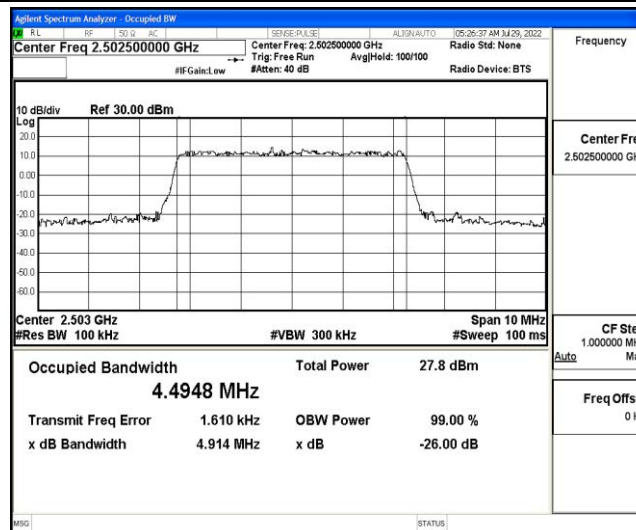


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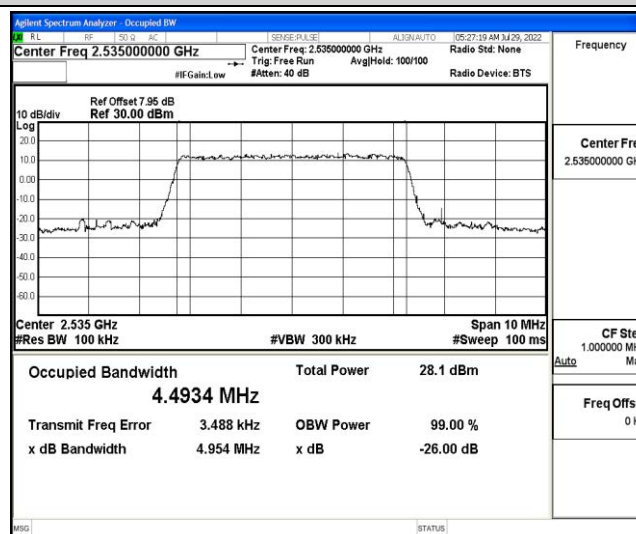




Band7-5MHz-16QAM-20775-25RB#0



Band7-5MHz-16QAM-21100-25RB#0



Band7-5MHz-16QAM-21425-25RB#0

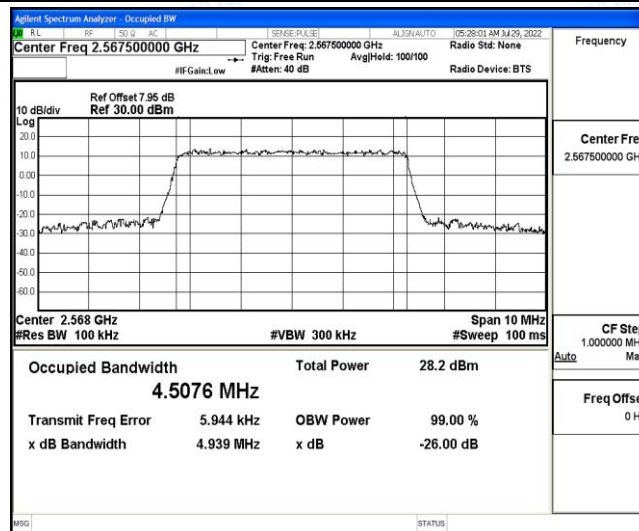


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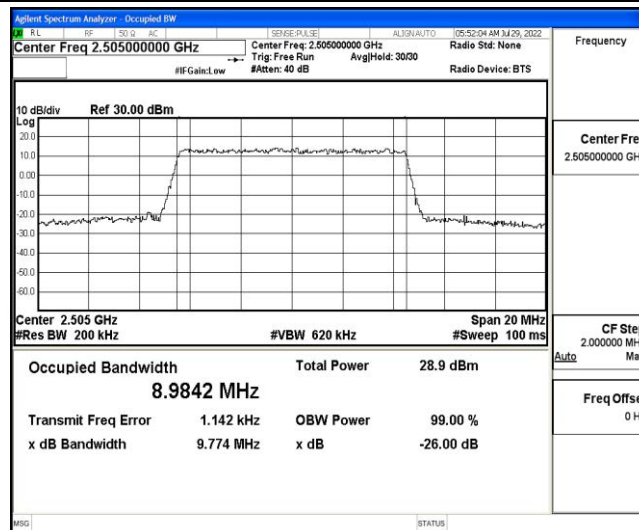
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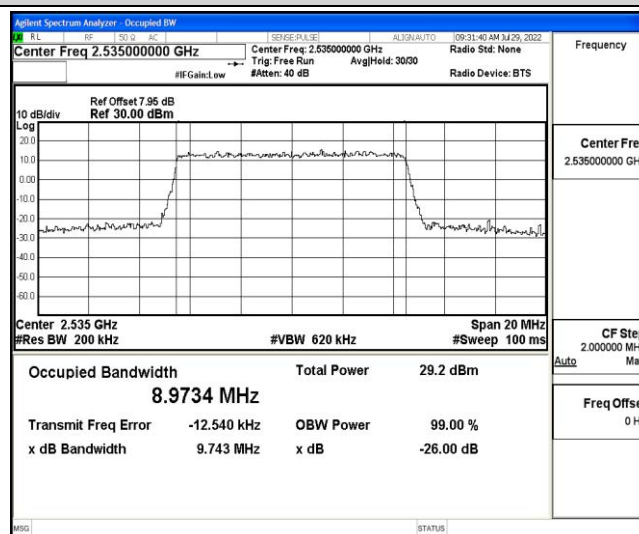
Scan code to check authenticity



Band7-10MHz-QPSK-20800-50RB#0



Band7-10MHz-QPSK-21100-50RB#0



Band7-10MHz-QPSK-21400-50RB#0

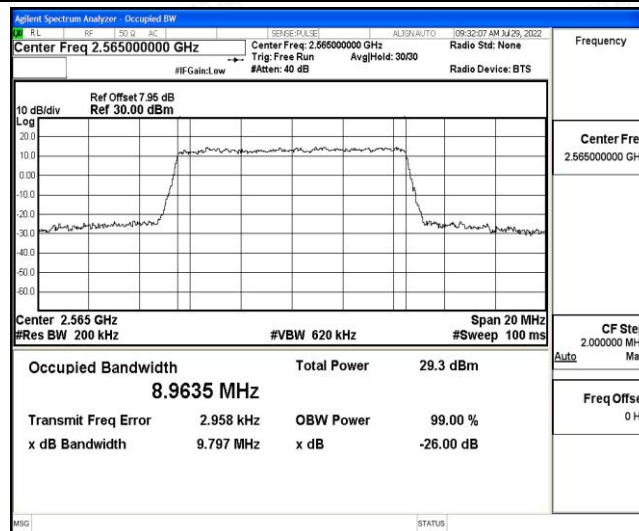


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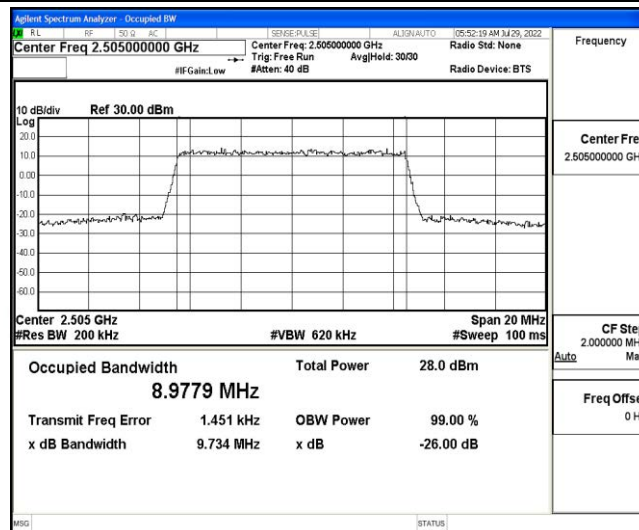
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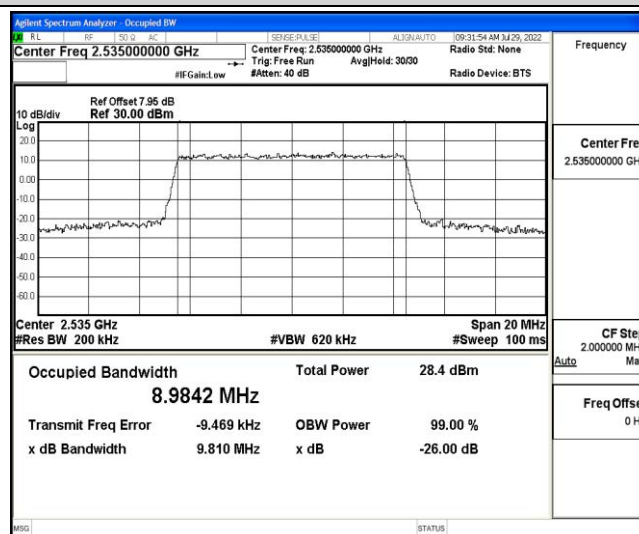
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Band7-10MHz-16QAM-20800-50RB#0

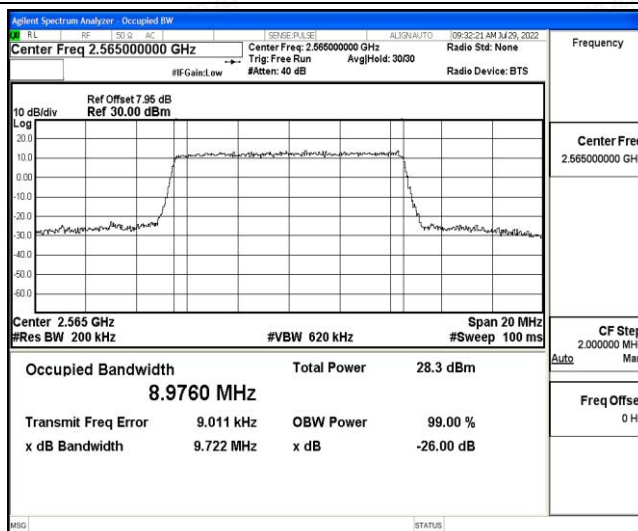


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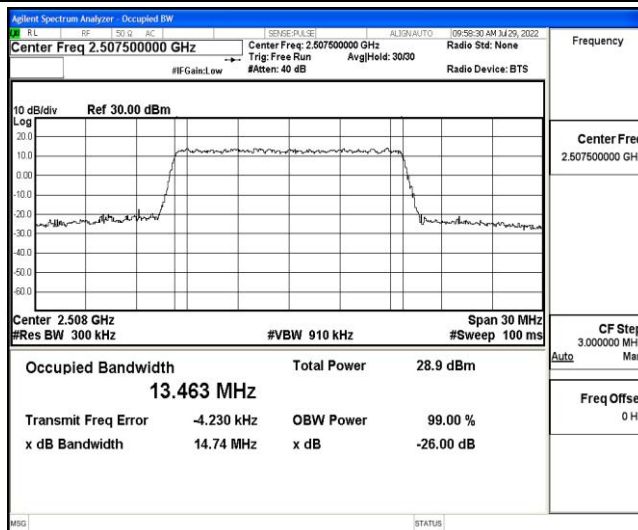


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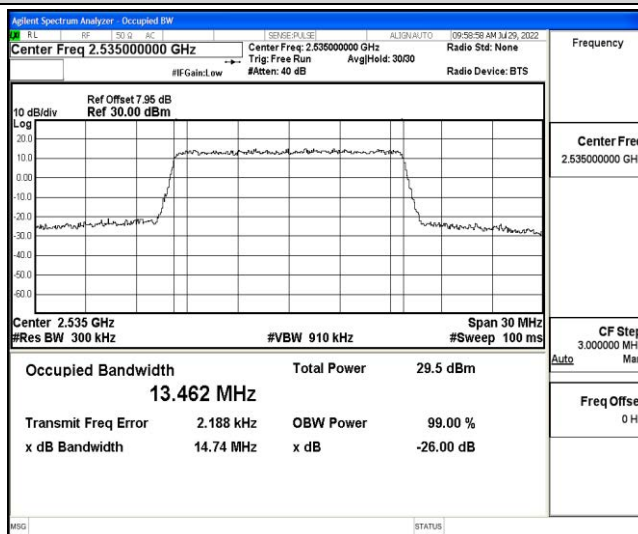




Band7-15MHz-QPSK-20825-75RB#0



Band7-15MHz-QPSK-21100-75RB#0



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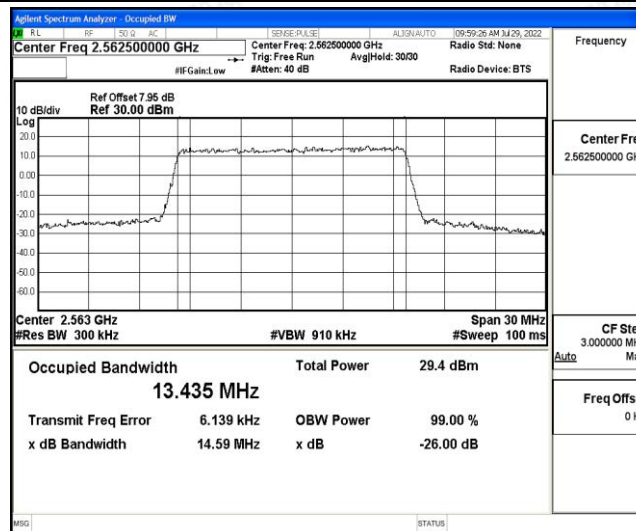


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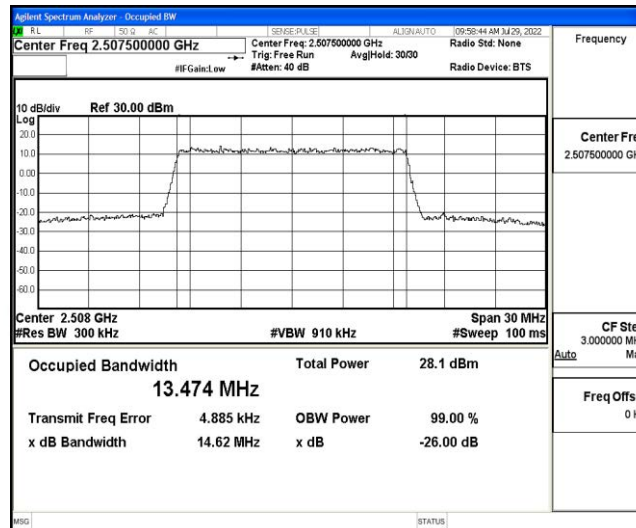
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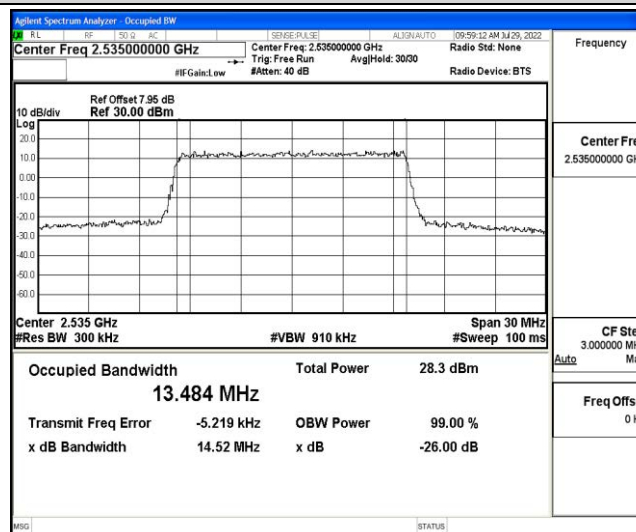
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Band7-15MHz-16QAM-20825-75RB#0



Band7-15MHz-16QAM-21100-75RB#0



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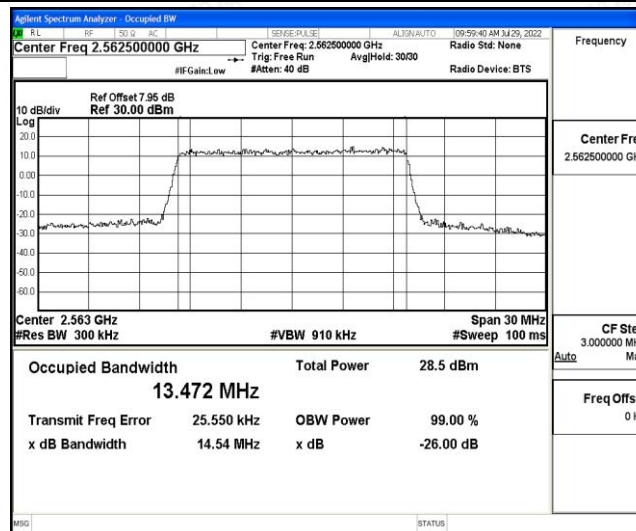


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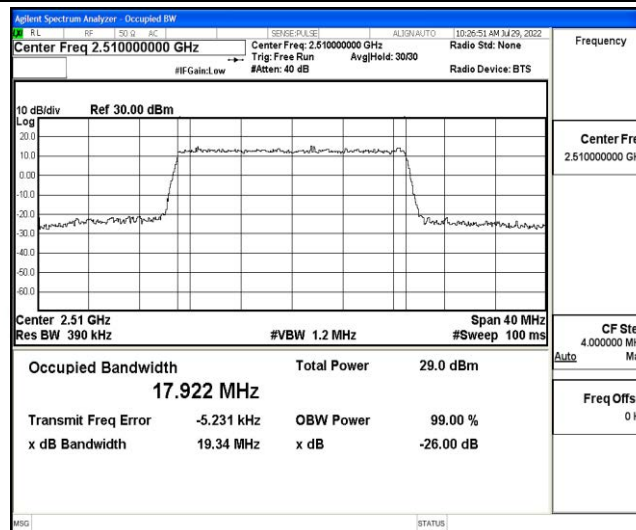
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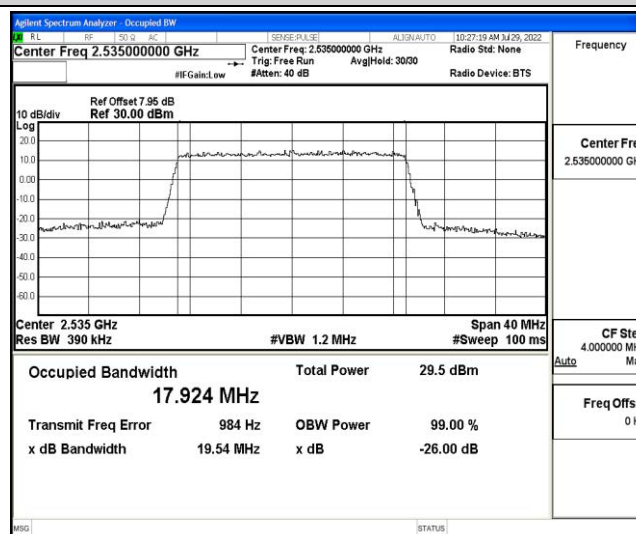
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Band7-20MHz-QPSK-20850-100RB#0

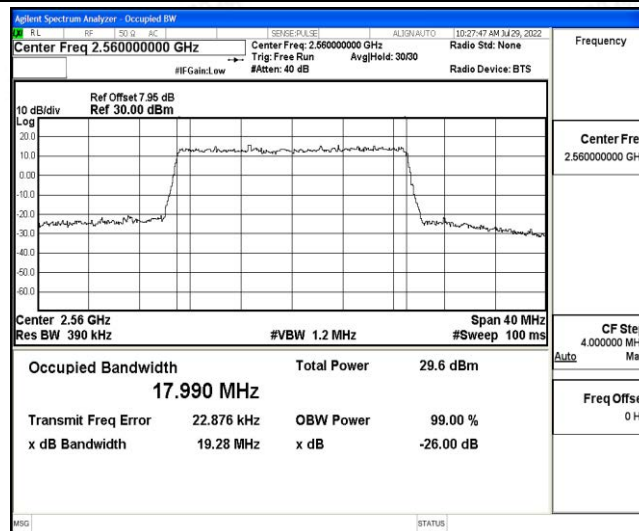


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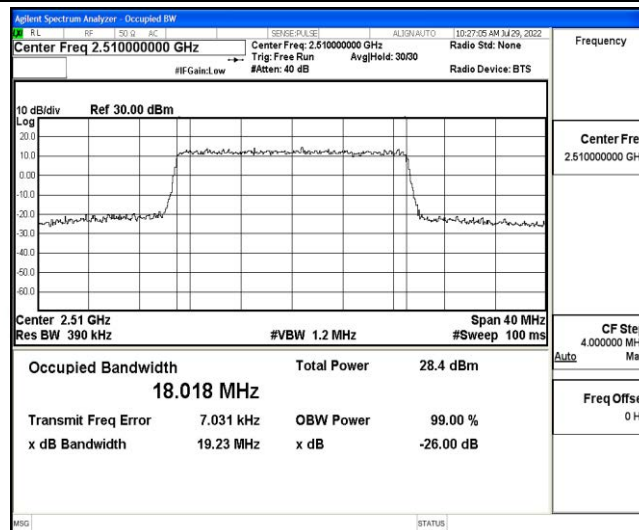


Band7-20MHz-QPSK-21350-100RB#0

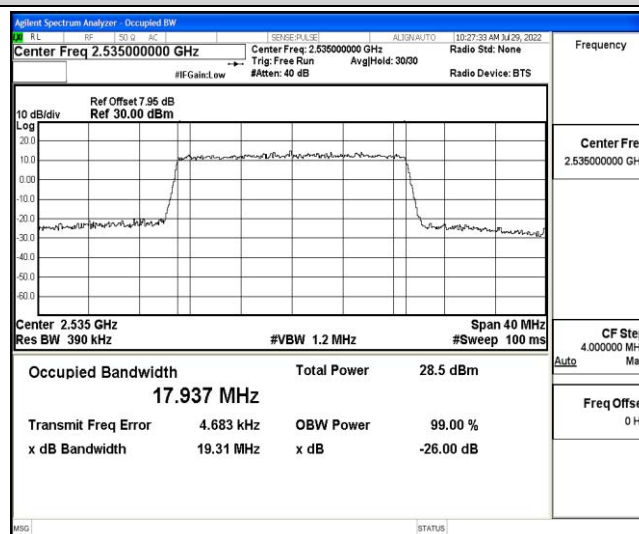




Band7-20MHz-16QAM-20850-100RB#0



Band7-20MHz-16QAM-21100-100RB#0



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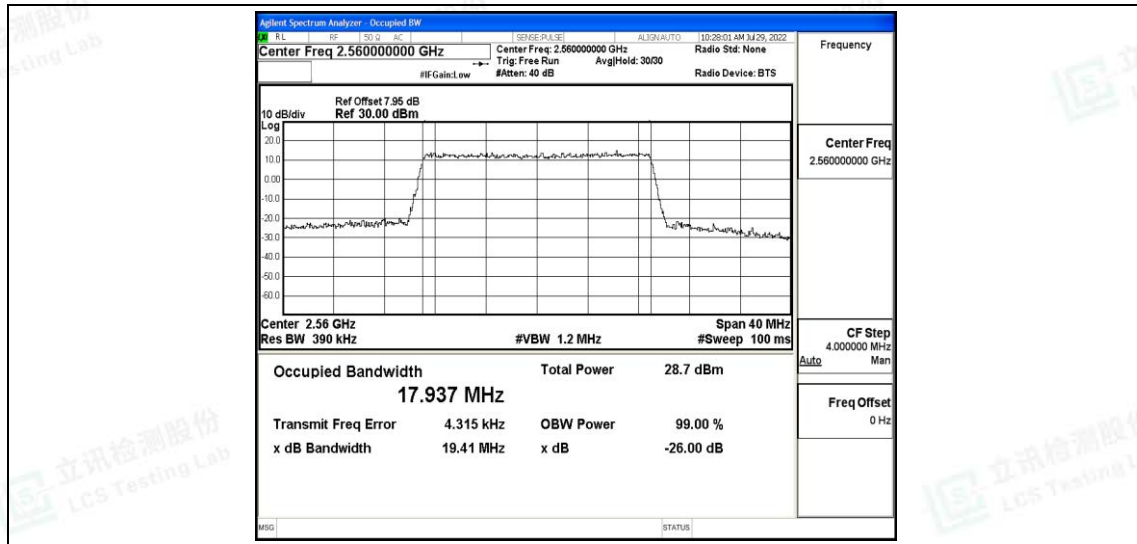


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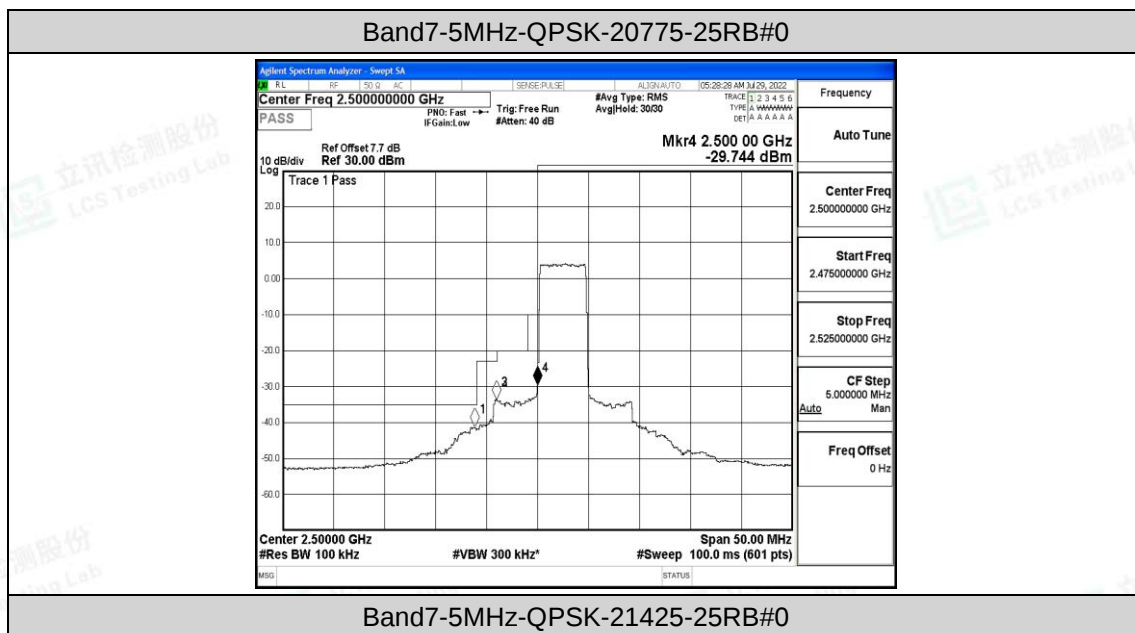


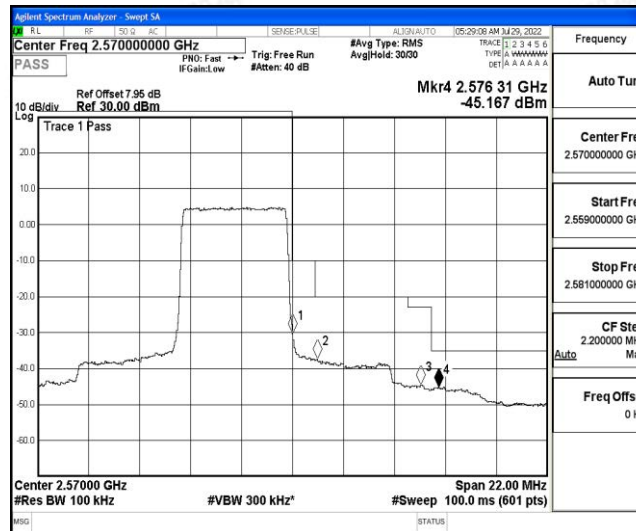
G.4 Band Edge

Test Result

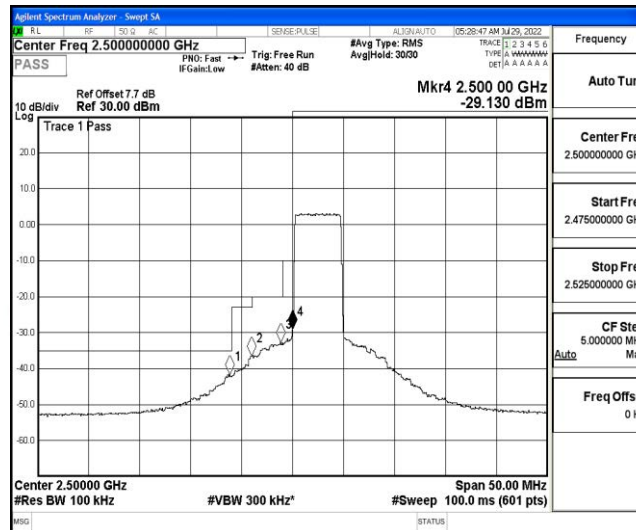
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	-41.27,-33.63,-33.63,-29.74	PASS
Band7	5MHz	QPSK	21425	25RB#0	-30.33,-37.29,-44.56,-45.17	PASS
Band7	5MHz	16QAM	20775	25RB#0	-41.61,-36.59,-32.69,-29.13	PASS
Band7	5MHz	16QAM	21425	25RB#0	-30.44,-37.02,-43.60,-44.93	PASS
Band7	10MHz	QPSK	20800	50RB#0	-40.81,-33.59,-33.35,-31.49	PASS
Band7	10MHz	QPSK	21400	50RB#0	-33.14,-36.69,-40.14,-46.01	PASS
Band7	10MHz	16QAM	20800	50RB#0	-40.05,-33.68,-32.00,-30.98	PASS
Band7	10MHz	16QAM	21400	50RB#0	-33.52,-36.38,-39.72,-44.72	PASS
Band7	15MHz	QPSK	20825	75RB#0	-33.75,-33.60,-30.94,-30.85	PASS
Band7	15MHz	QPSK	21375	75RB#0	-31.87,-33.06,-38.01,-44.55	PASS
Band7	15MHz	16QAM	20825	75RB#0	-35.27,-32.84,-31.27,-31.35	PASS
Band7	15MHz	16QAM	21375	75RB#0	-33.81,-35.19,-38.40,-43.88	PASS
Band7	20MHz	QPSK	20850	100RB#0	-35.19,-34.21,-32.64,-32.22	PASS
Band7	20MHz	QPSK	21350	100RB#0	-34.17,-35.71,-37.81,-45.56	PASS
Band7	20MHz	16QAM	20850	100RB#0	-34.17,-32.35,-30.75,-30.18	PASS
Band7	20MHz	16QAM	21350	100RB#0	-34.47,-35.50,-37.93,-45.09	PASS

Test Graphs

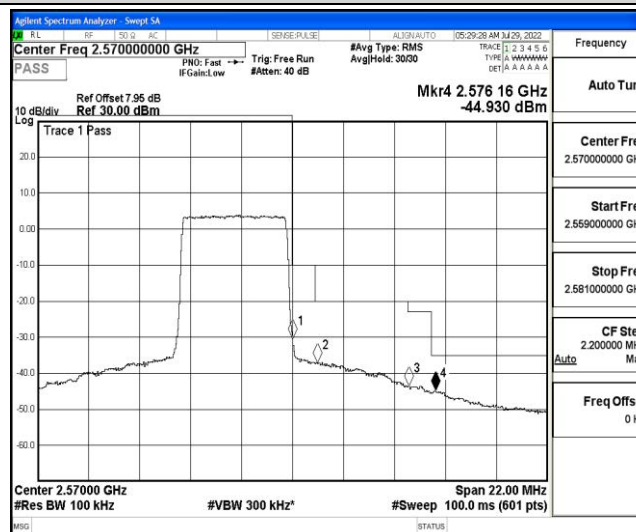




Band7-5MHz-16QAM-20775-25RB#0

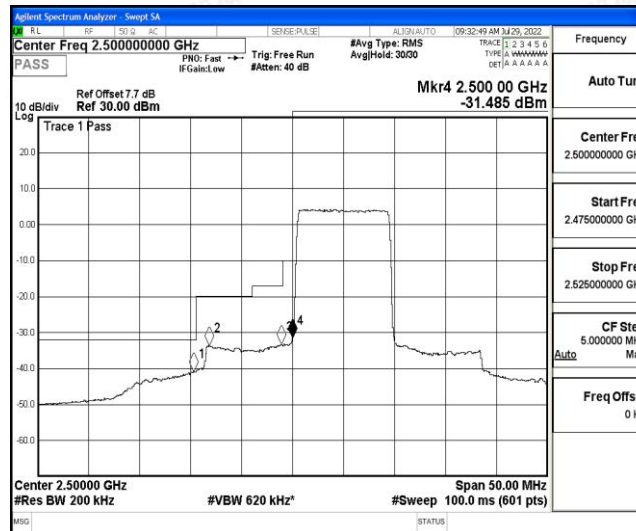


Band7-5MHz-16QAM-21425-25RB#0

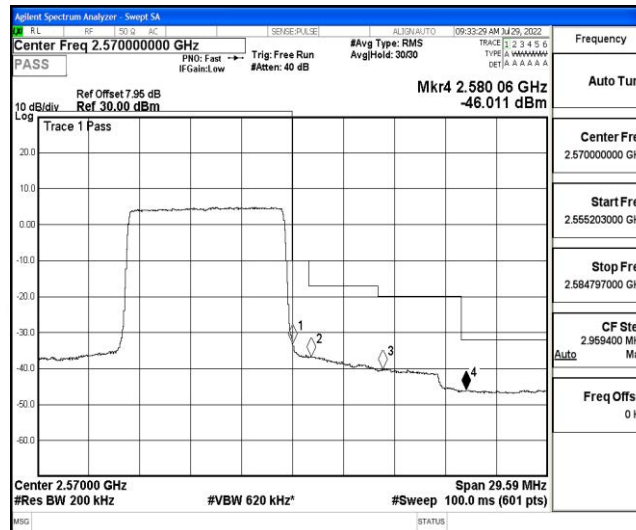


Band7-10MHz-QPSK-20800-50RB#0

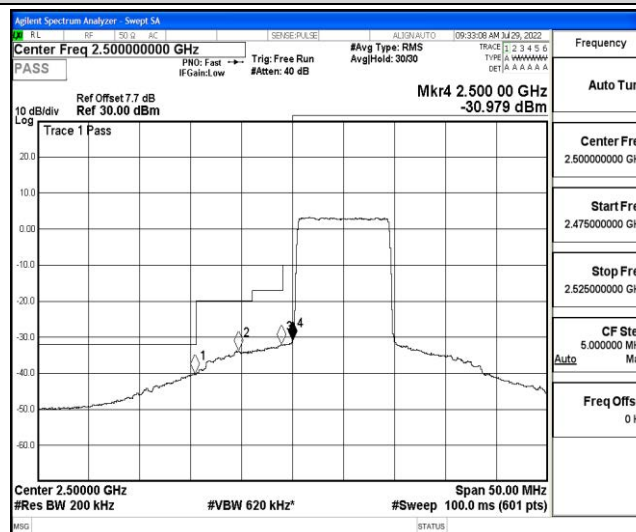




Band7-10MHz-QPSK-21400-50RB#0



Band7-10MHz-16QAM-20800-50RB#0



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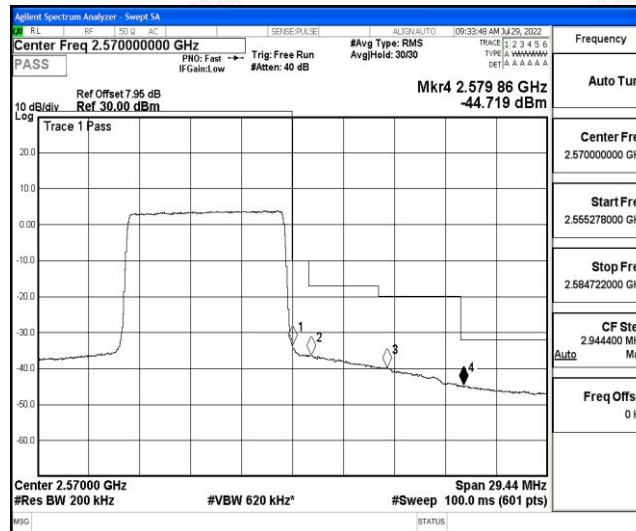


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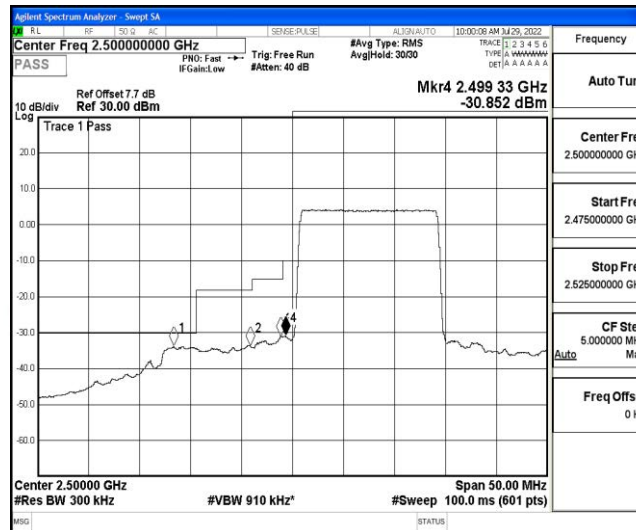
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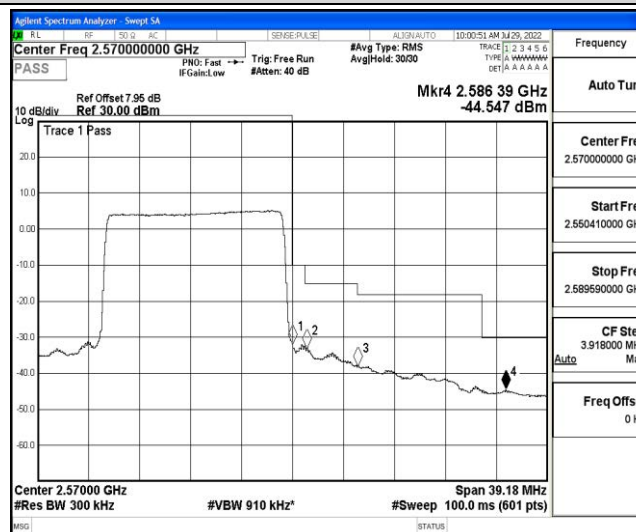
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Band7-15MHz-QPSK-20825-75RB#0



Band7-15MHz-QPSK-21375-75RB#0



Band7-15MHz-16QAM-20825-75RB#0



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