

FCC LTE Band Test Data

FCC ID : 2BFI8-TIQMINIM5

Company: : Jinan Ant Zhonglian Information Technology Co., Ltd.

EUT : TIQ mini M5

Model Number : TIQ mini M5

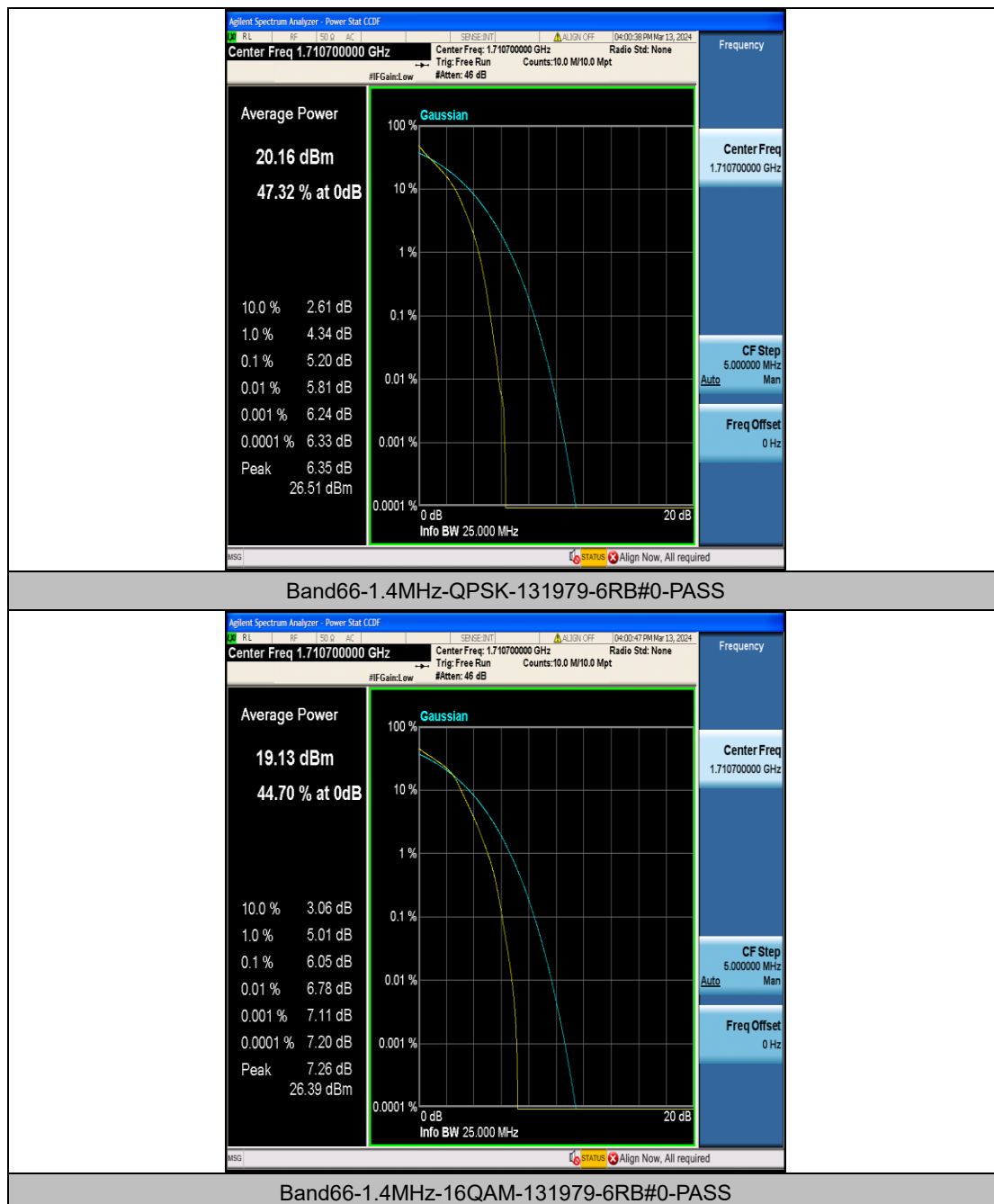
Reviewed By : Eric Wang

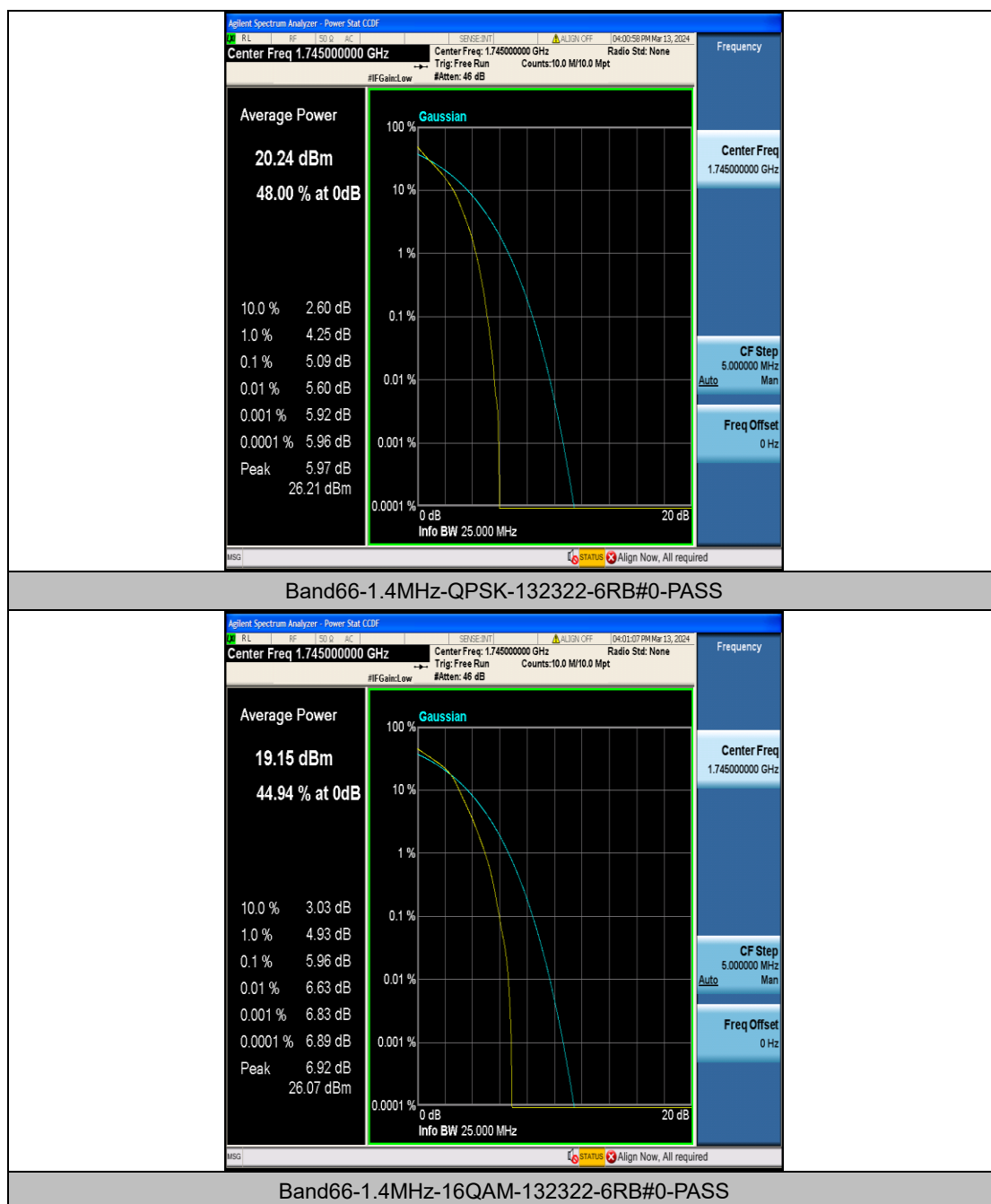
Appendix B: Peak-to-Average Ratio(CCDF)

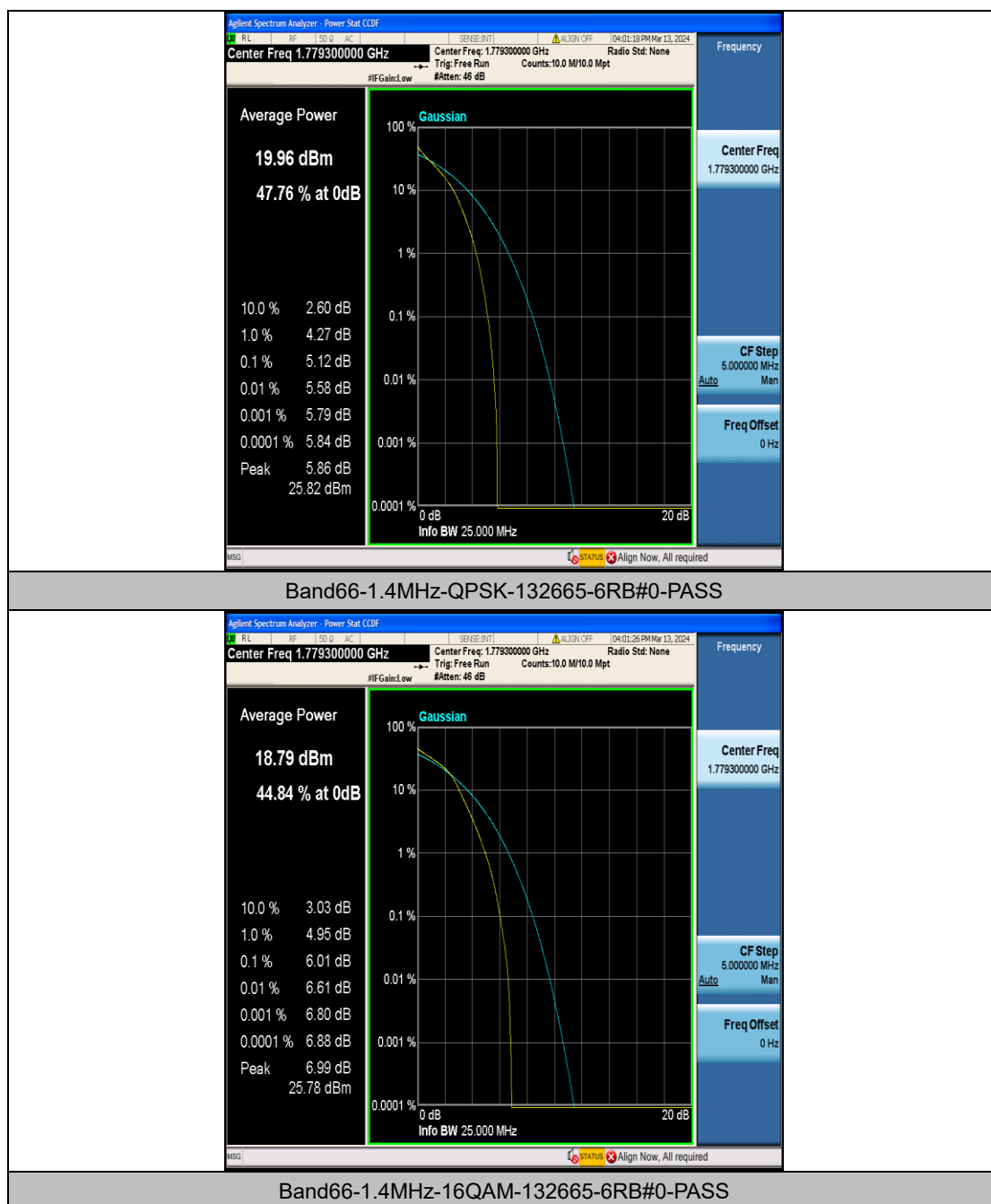
Test Result

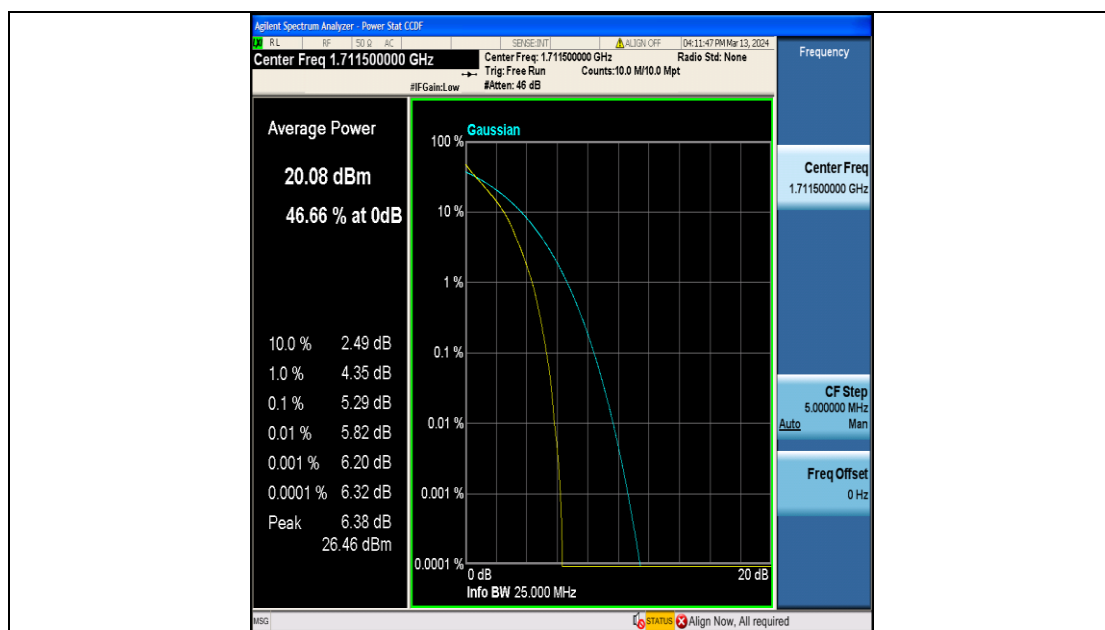
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	5.20	13	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	6.05	13	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	5.09	13	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	5.96	13	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	5.12	13	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	6.01	13	PASS
Band66	3MHz	QPSK	131987	15RB#0	5.29	13	PASS
Band66	3MHz	16QAM	131987	15RB#0	6.14	13	PASS
Band66	3MHz	QPSK	132322	15RB#0	5.20	13	PASS
Band66	3MHz	16QAM	132322	15RB#0	6.05	13	PASS
Band66	3MHz	QPSK	132657	15RB#0	5.20	13	PASS
Band66	3MHz	16QAM	132657	15RB#0	6.06	13	PASS
Band66	5MHz	QPSK	131997	25RB#0	5.31	13	PASS
Band66	5MHz	16QAM	131997	25RB#0	6.07	13	PASS
Band66	5MHz	QPSK	132322	25RB#0	5.27	13	PASS
Band66	5MHz	16QAM	132322	25RB#0	6.04	13	PASS
Band66	5MHz	QPSK	132647	25RB#0	5.25	13	PASS
Band66	5MHz	16QAM	132647	25RB#0	6.05	13	PASS
Band66	10MHz	QPSK	132022	50RB#0	5.28	13	PASS
Band66	10MHz	16QAM	132022	50RB#0	6.07	13	PASS
Band66	10MHz	QPSK	132322	50RB#0	5.30	13	PASS
Band66	10MHz	16QAM	132322	50RB#0	6.07	13	PASS
Band66	10MHz	QPSK	132622	50RB#0	5.22	13	PASS
Band66	10MHz	16QAM	132622	50RB#0	6.01	13	PASS
Band66	15MHz	QPSK	132047	75RB#0	5.52	13	PASS
Band66	15MHz	16QAM	132047	75RB#0	6.12	13	PASS
Band66	15MHz	QPSK	132322	75RB#0	5.61	13	PASS
Band66	15MHz	16QAM	132322	75RB#0	6.22	13	PASS
Band66	15MHz	QPSK	132597	75RB#0	5.55	13	PASS
Band66	15MHz	16QAM	132597	75RB#0	6.15	13	PASS
Band66	20MHz	QPSK	132072	100RB#0	5.32	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	6.10	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.43	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	6.19	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.39	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	6.16	13	PASS

Test Graphs

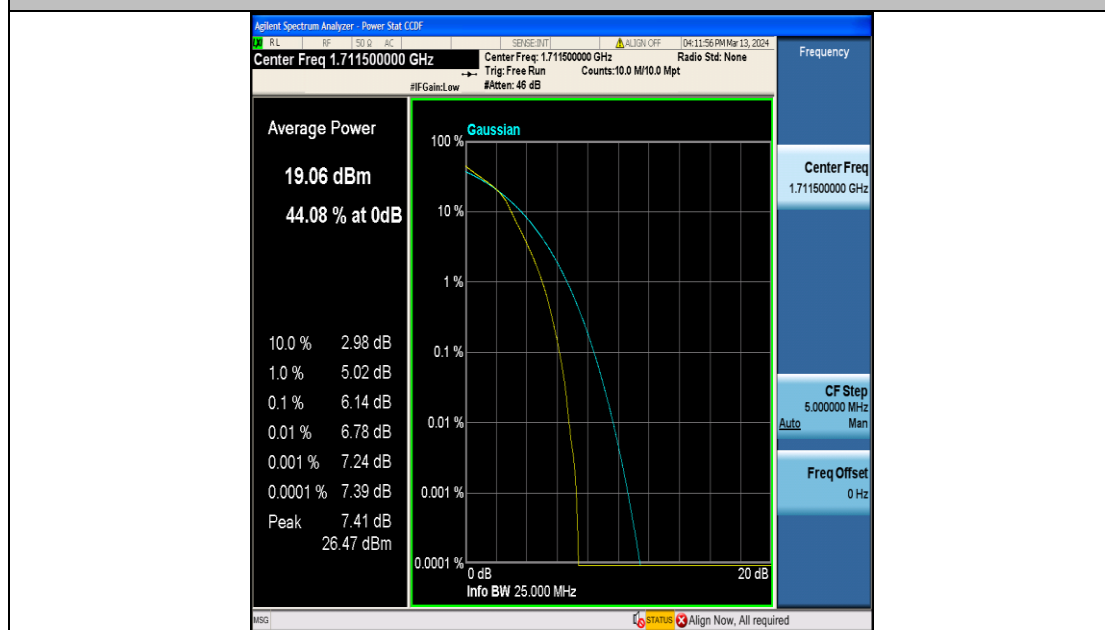




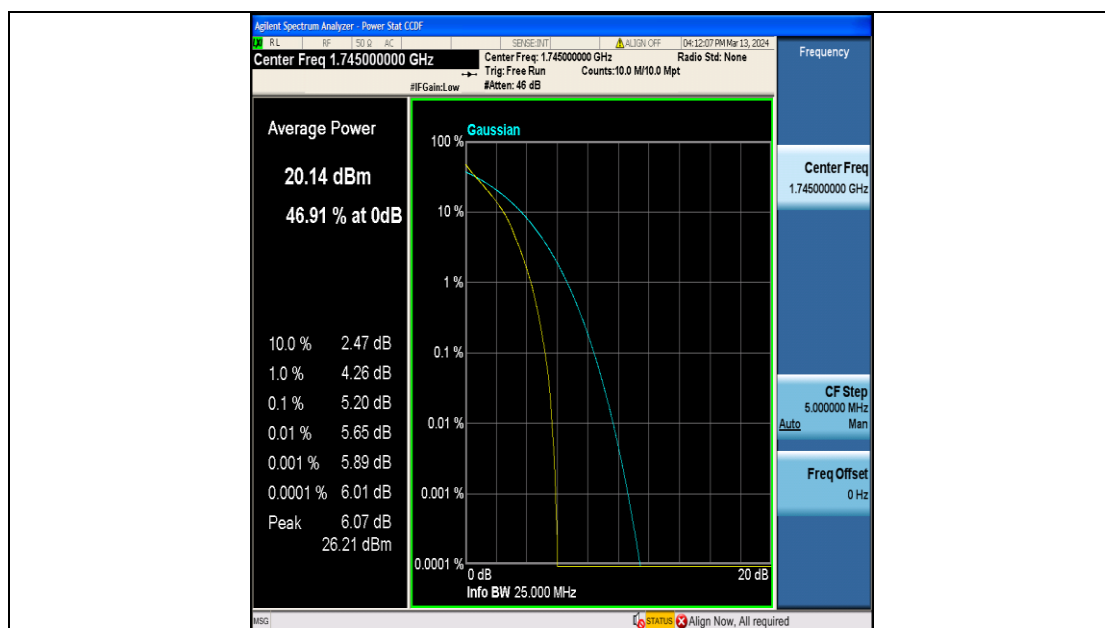




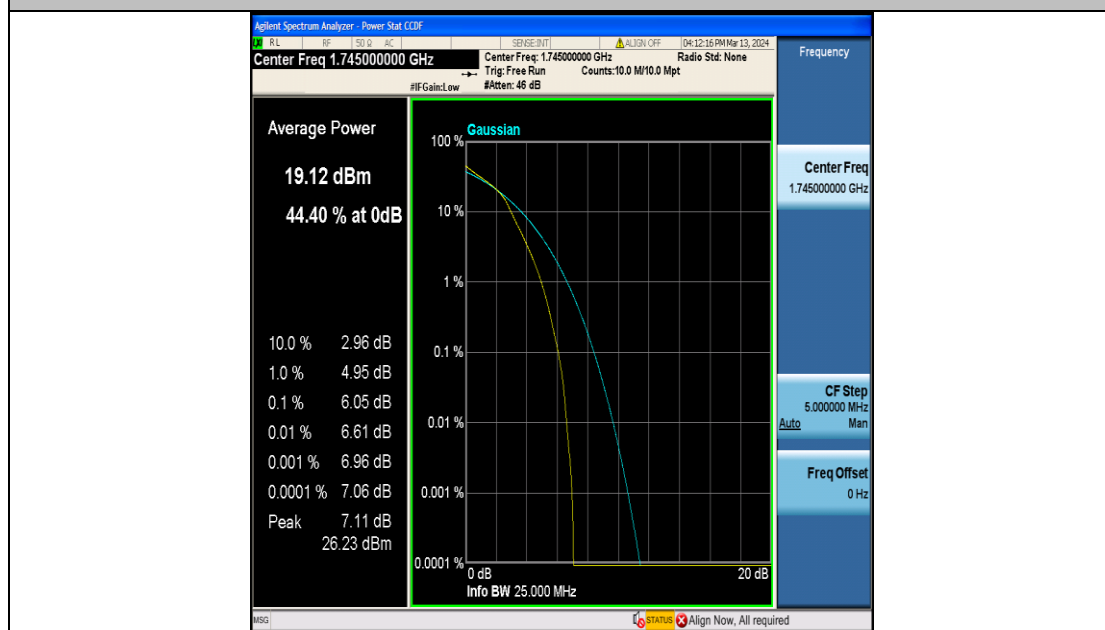
Band66-3MHz-QPSK-131987-15RB#0-PASS



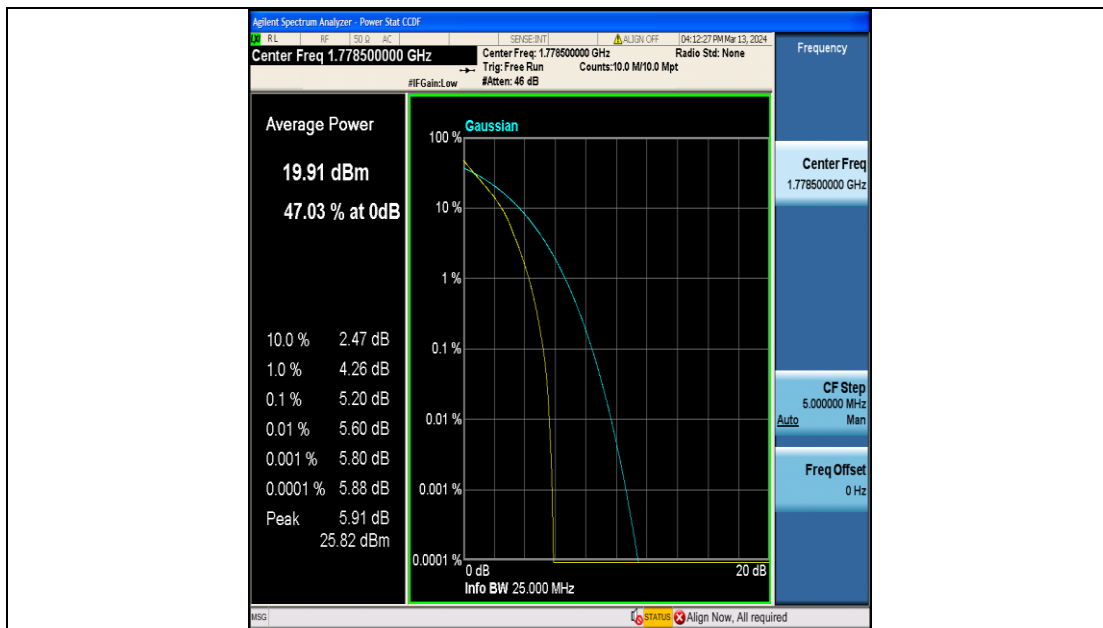
Band66-3MHz-16QAM-131987-15RB#0-PASS



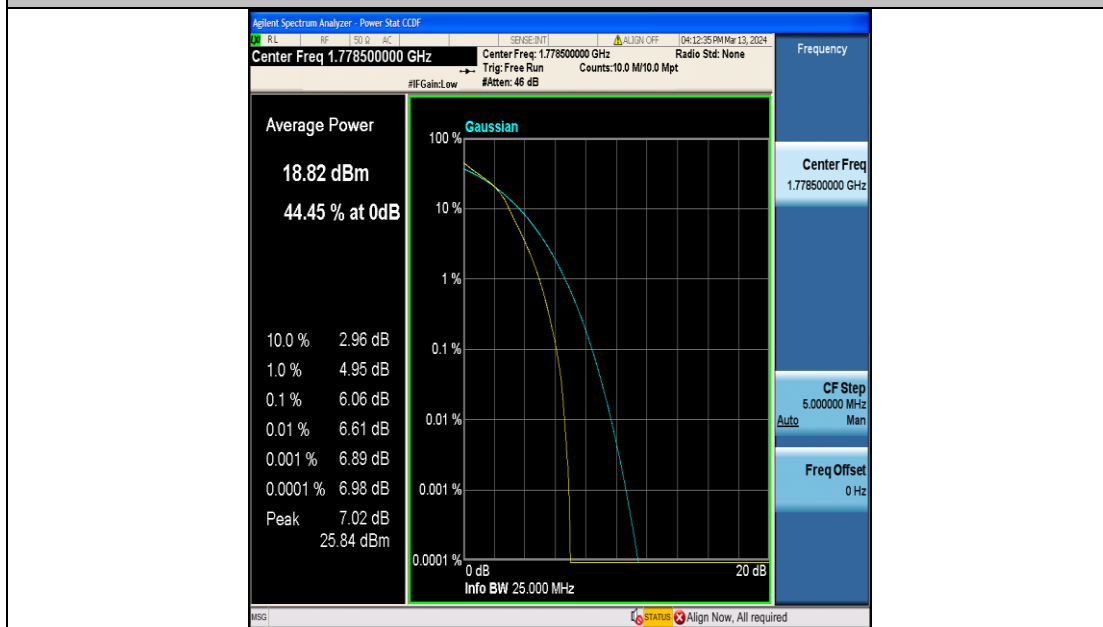
Band66-3MHz-QPSK-132322-15RB#0-PASS



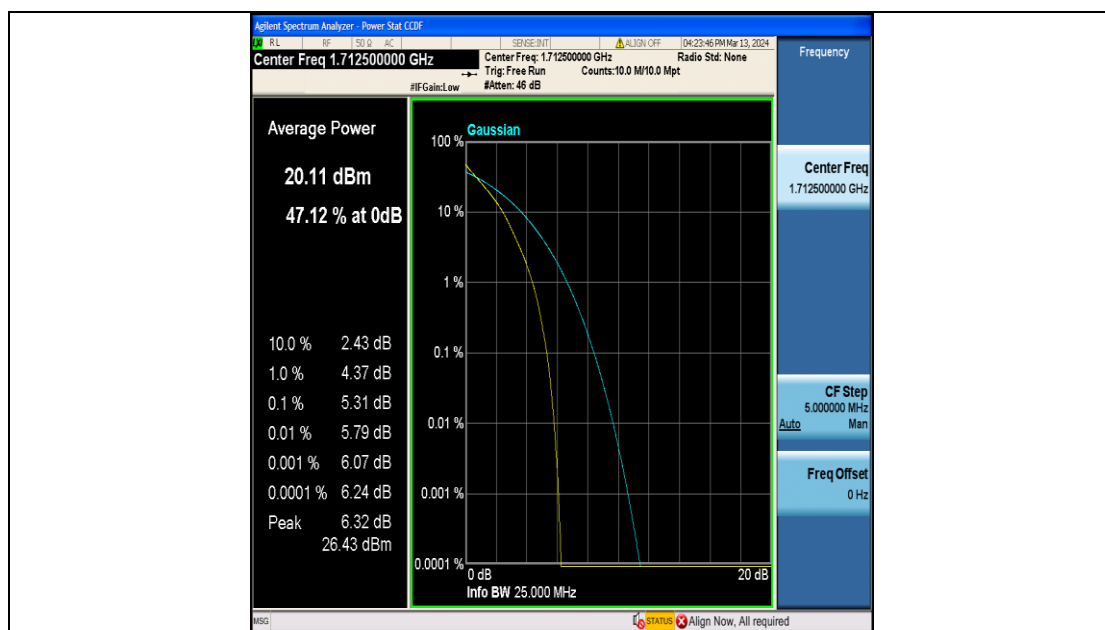
Band66-3MHz-16QAM-132322-15RB#0-PASS



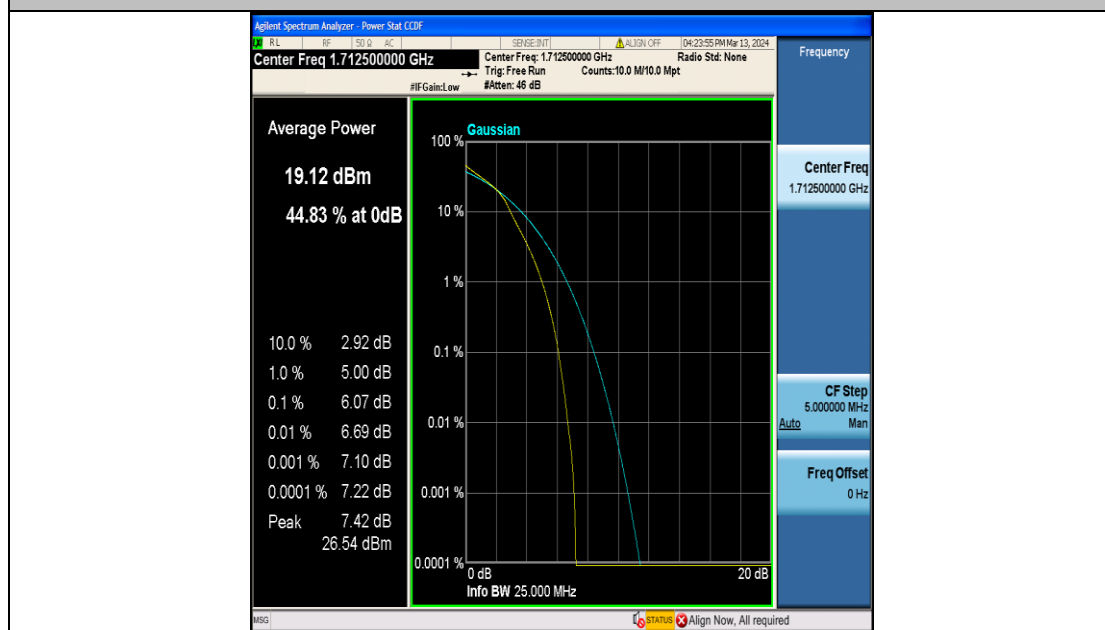
Band66-3MHz-QPSK-132657-15RB#0-PASS



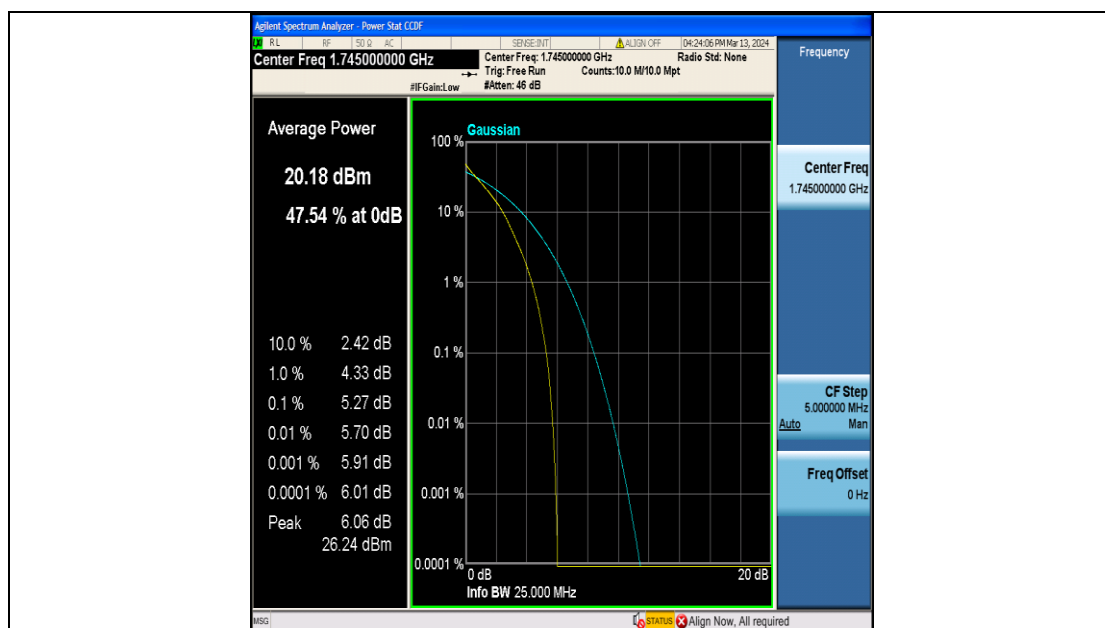
Band66-3MHz-16QAM-132657-15RB#0-PASS



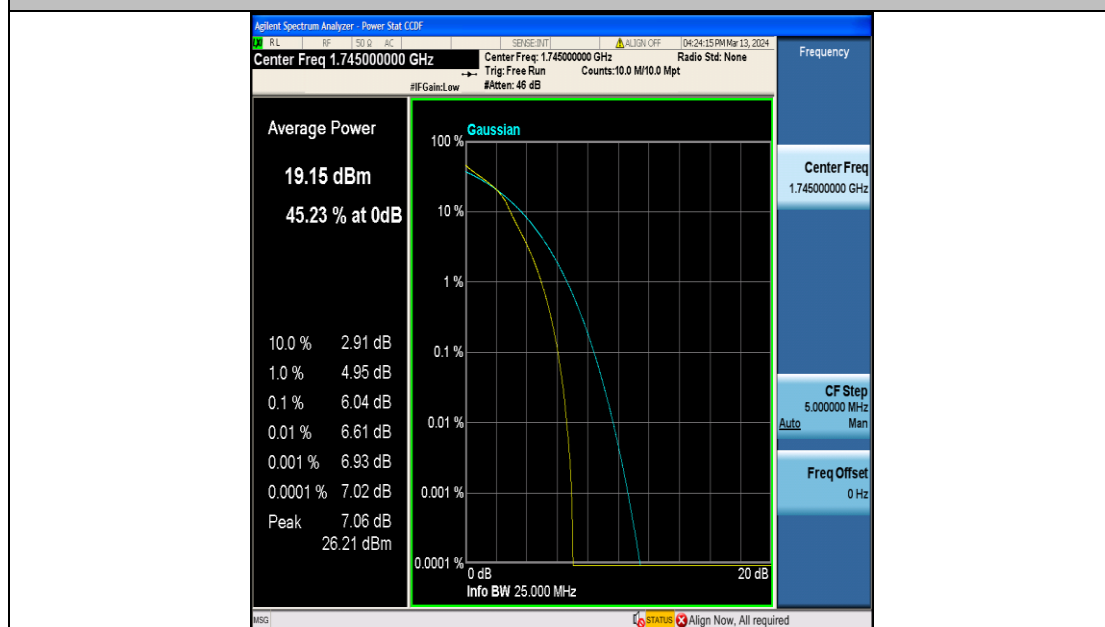
Band66-5MHz-QPSK-131997-25RB#0-PASS



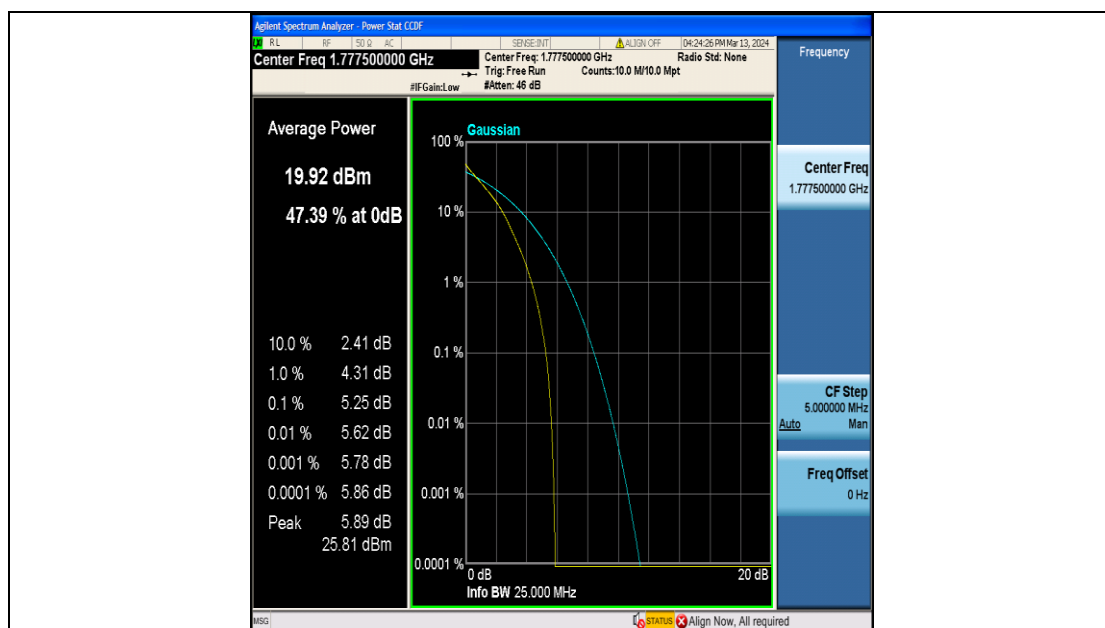
Band66-5MHz-16QAM-131997-25RB#0-PASS



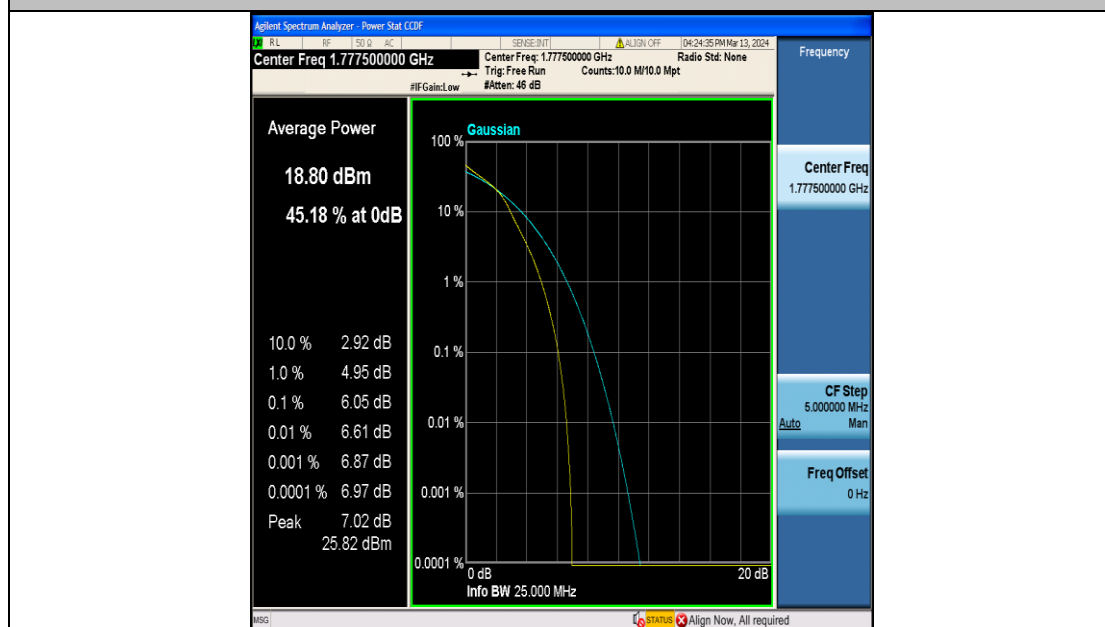
Band66-5MHz-QPSK-132322-25RB#0-PASS



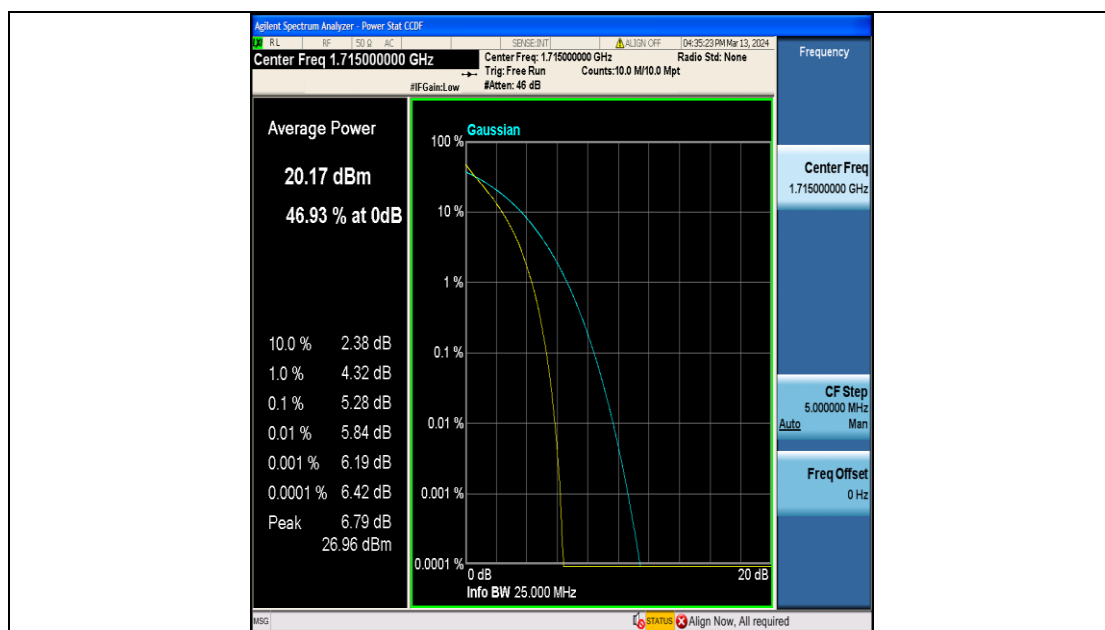
Band66-5MHz-16QAM-132322-25RB#0-PASS



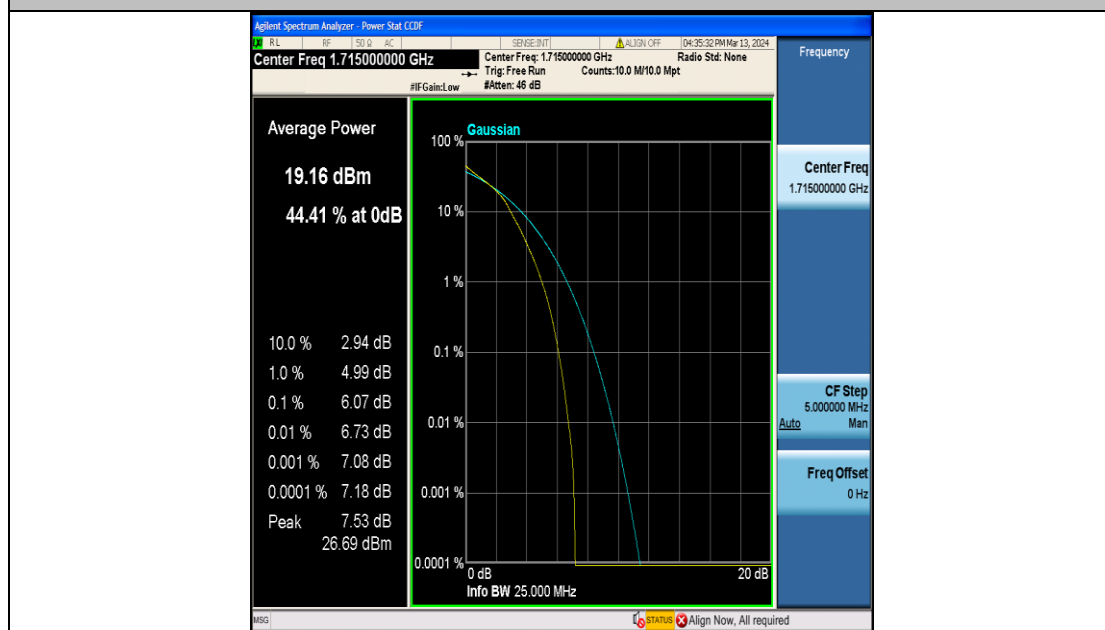
Band66-5MHz-QPSK-132647-25RB#0-PASS



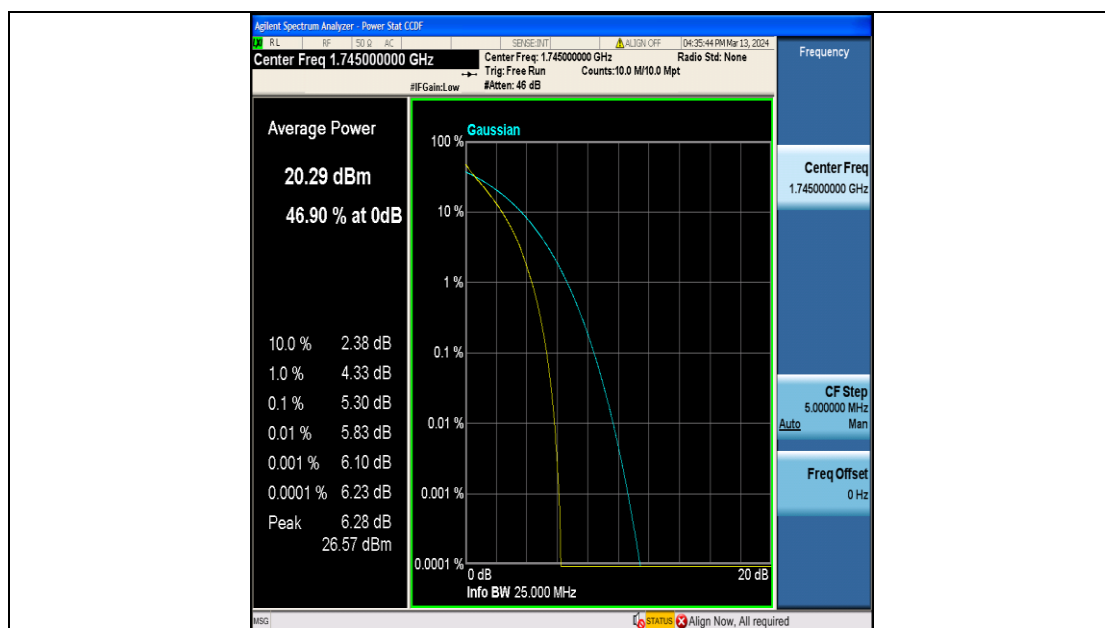
Band66-5MHz-16QAM-132647-25RB#0-PASS



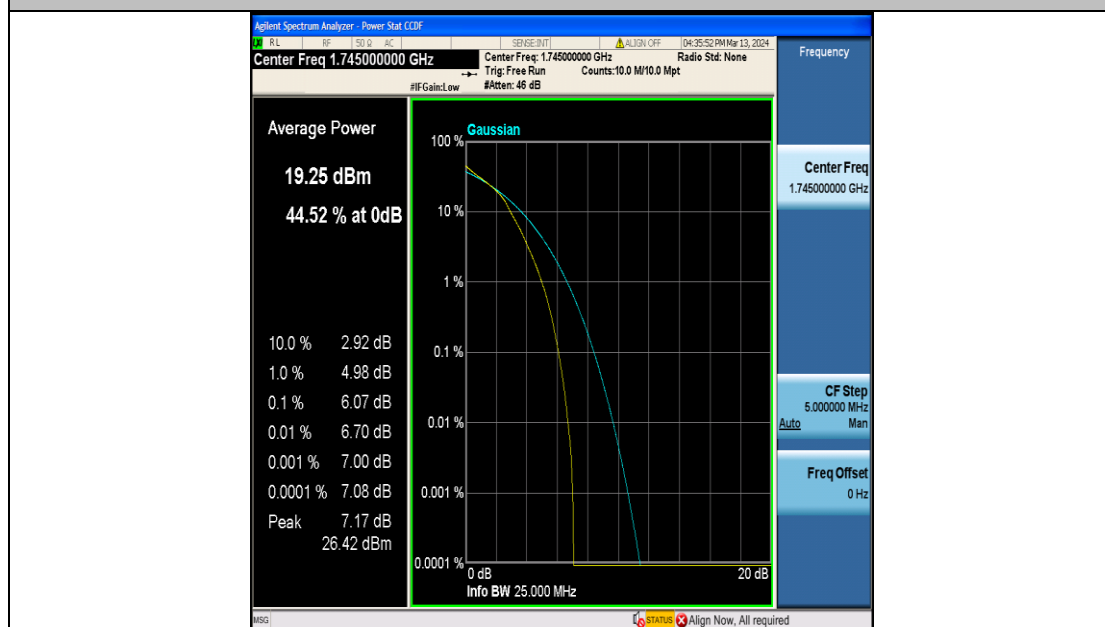
Band66-10MHz-QPSK-132022-50RB#0-PASS



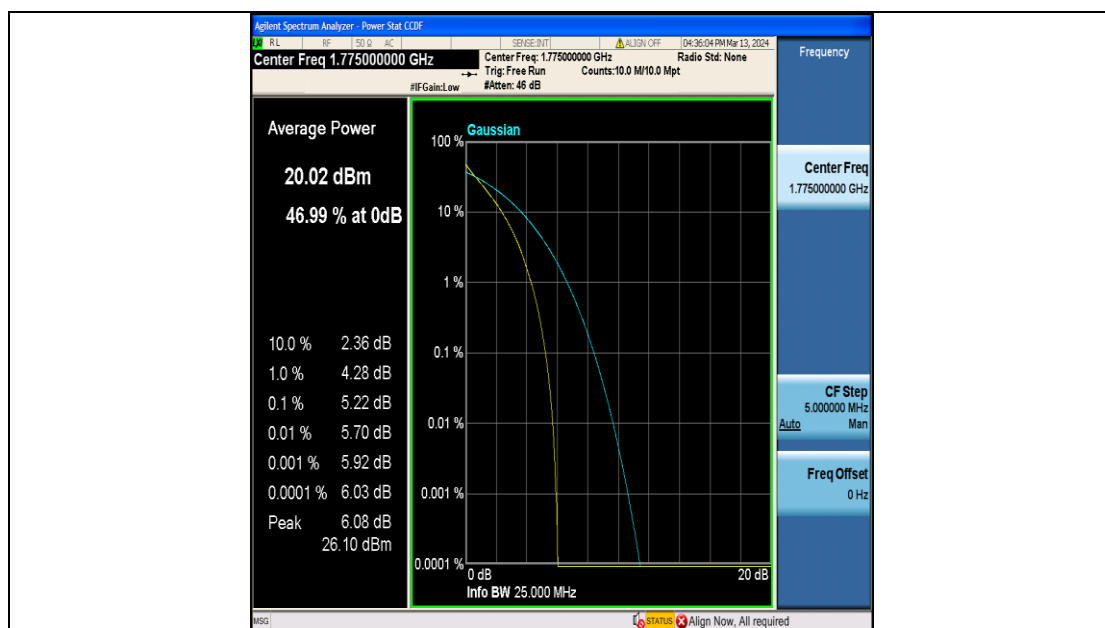
Band66-10MHz-16QAM-132022-50RB#0-PASS



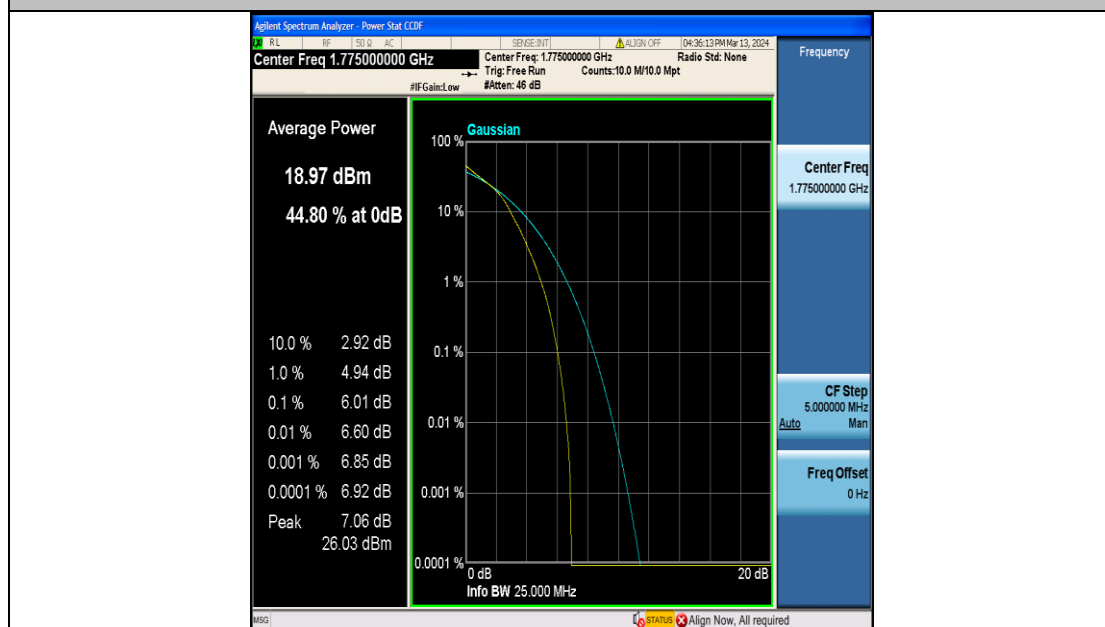
Band66-10MHz-QPSK-132322-50RB#0-PASS



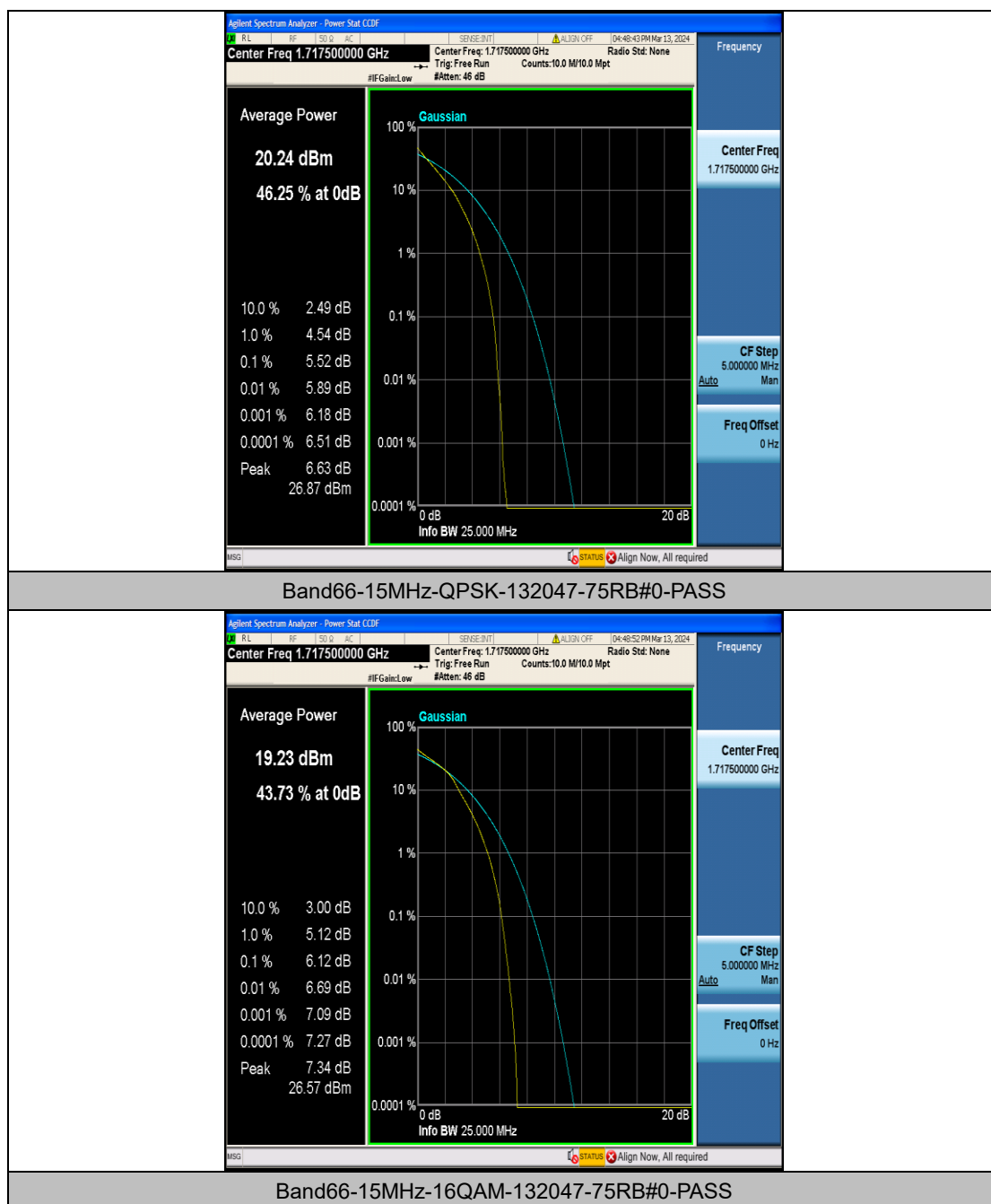
Band66-10MHz-16QAM-132322-50RB#0-PASS

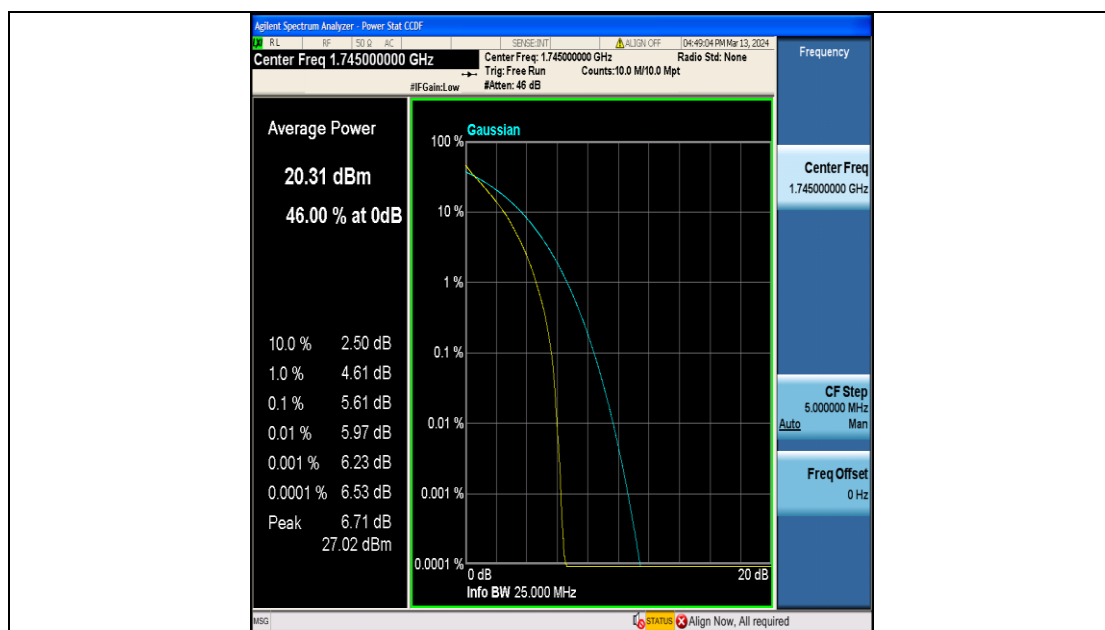


Band66-10MHz-QPSK-132622-50RB#0-PASS

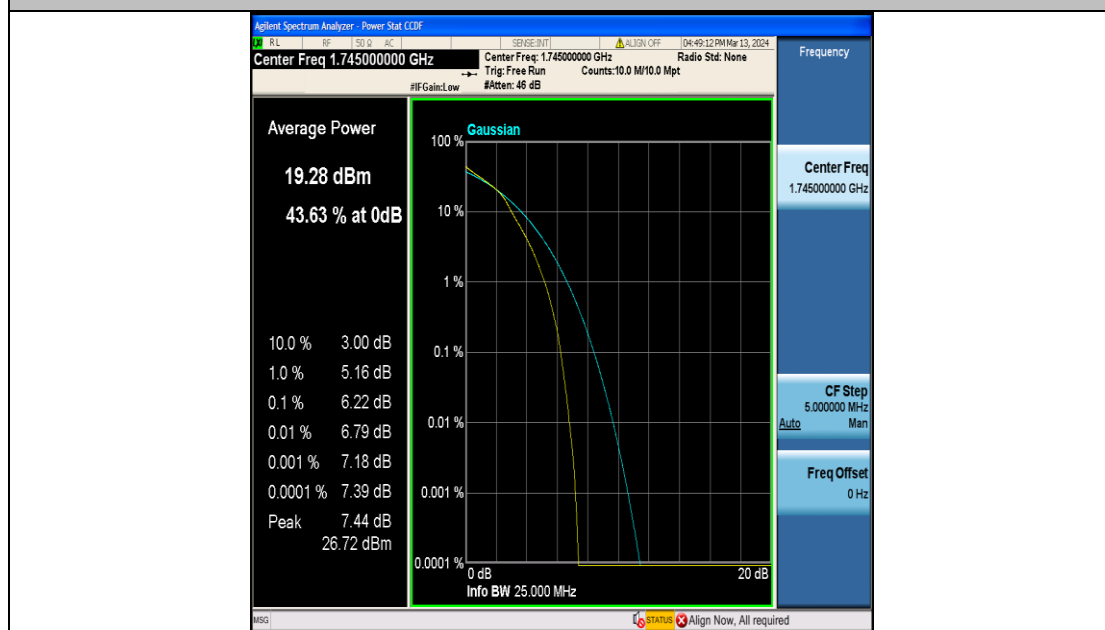


Band66-10MHz-16QAM-132622-50RB#0-PASS

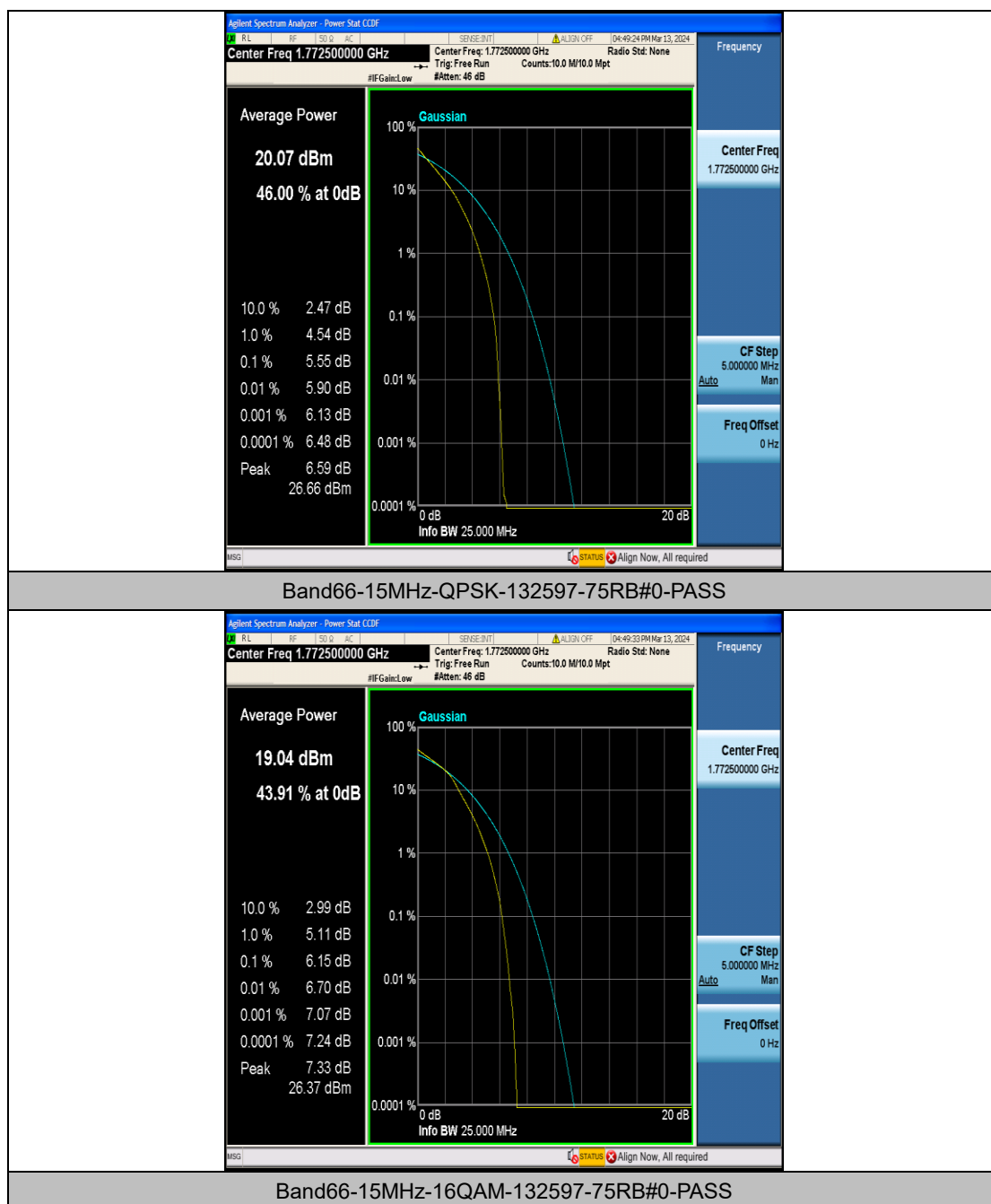


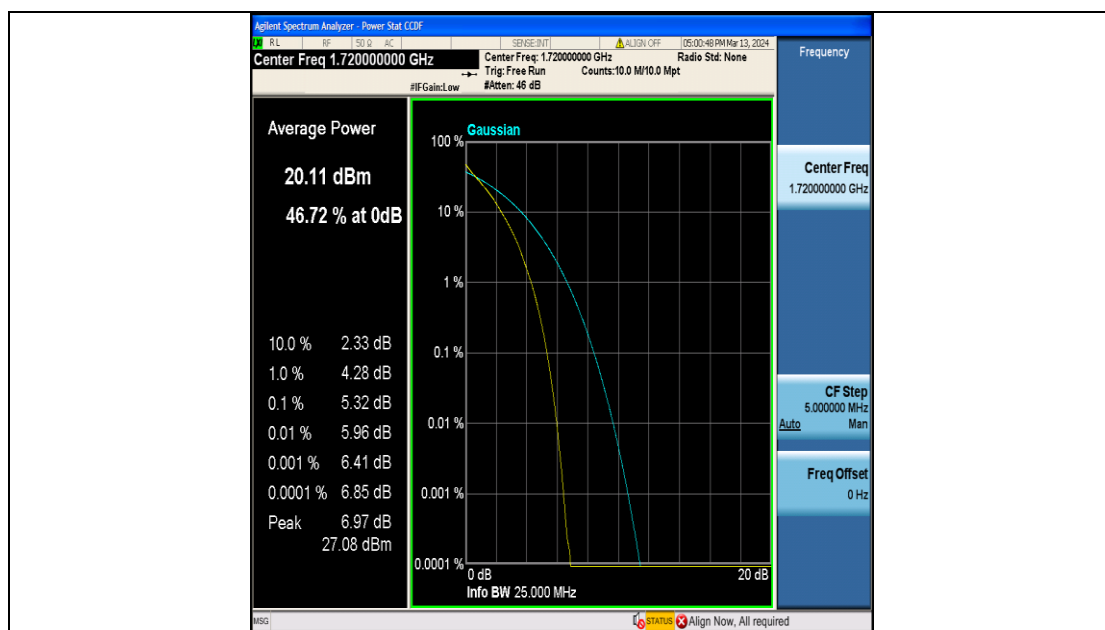


Band66-15MHz-QPSK-132322-75RB#0-PASS

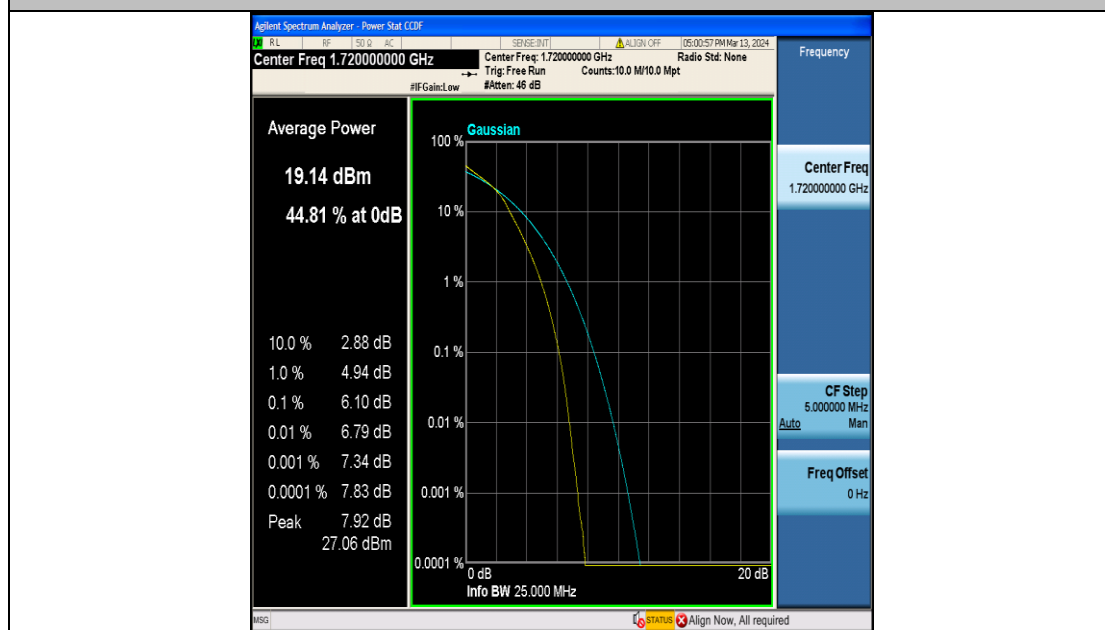


Band66-15MHz-16QAM-132322-75RB#0-PASS

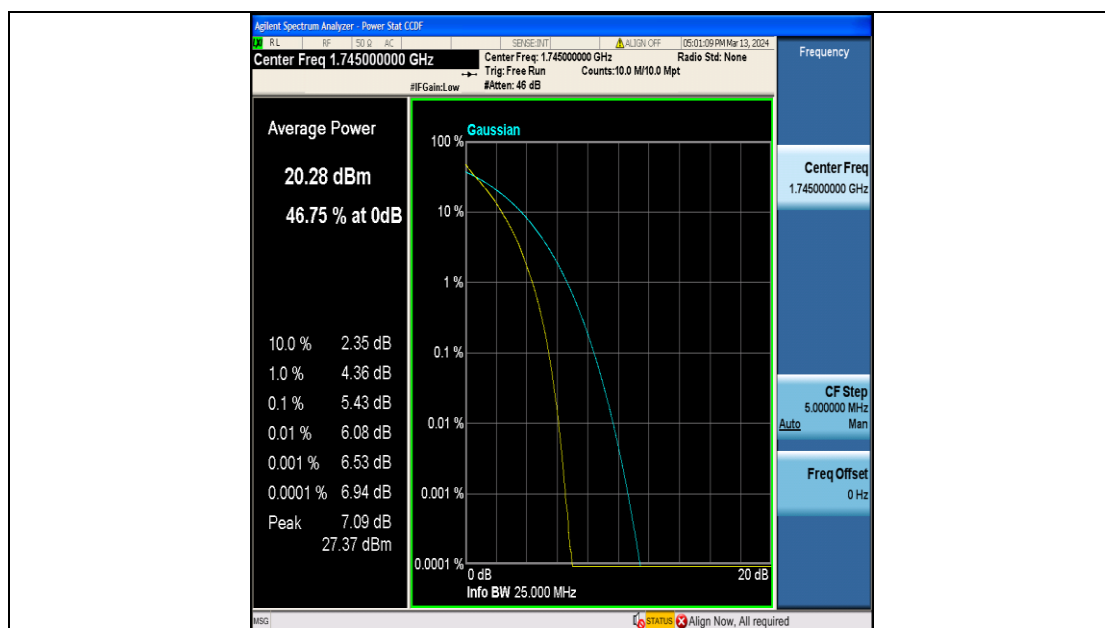




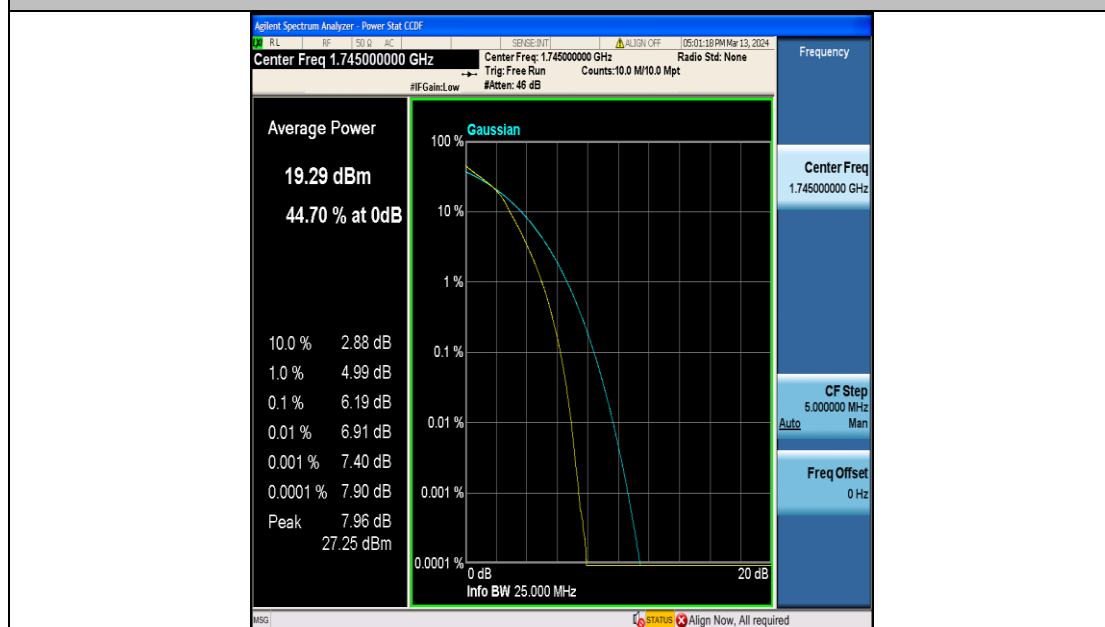
Band66-20MHz-QPSK-132072-100RB#0-PASS



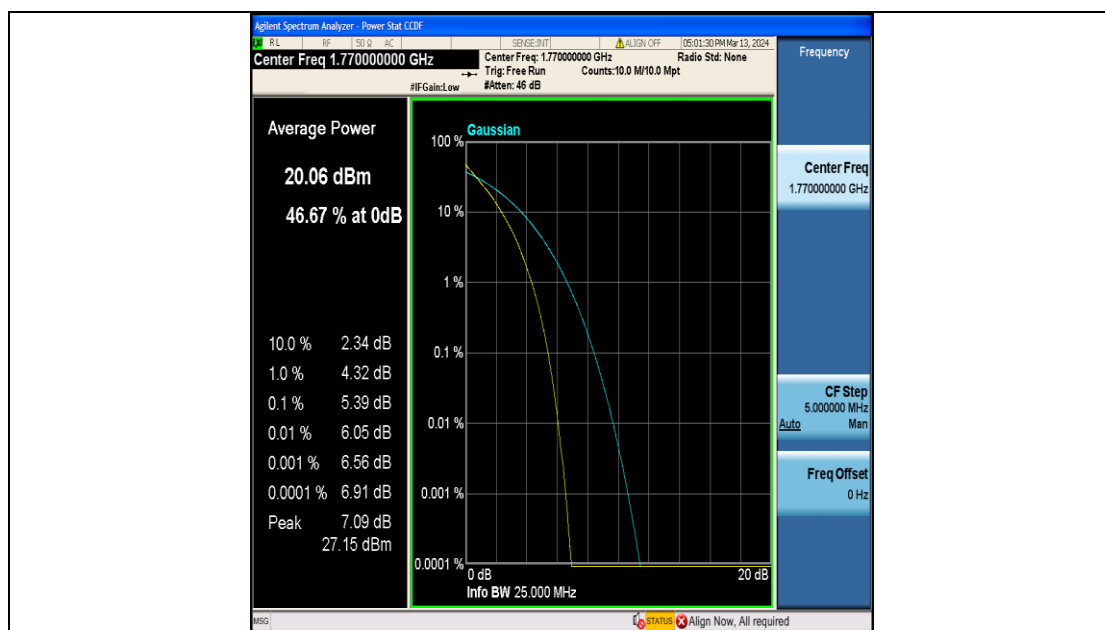
Band66-20MHz-16QAM-132072-100RB#0-PASS



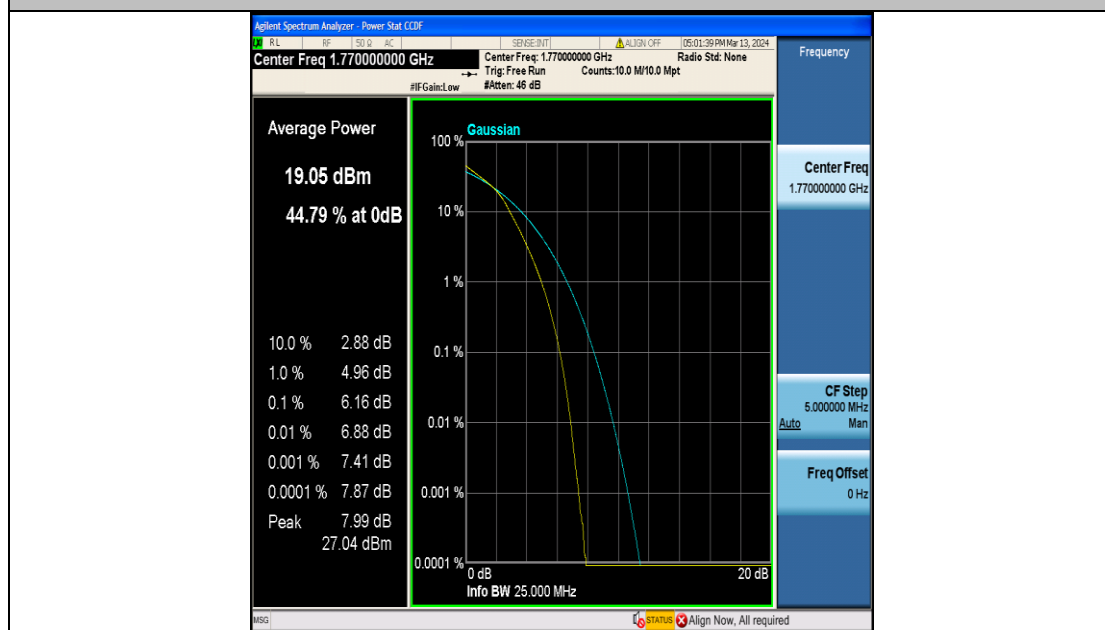
Band66-20MHz-QPSK-132322-100RB#0-PASS



Band66-20MHz-16QAM-132322-100RB#0-PASS



Band66-20MHz-QPSK-132572-100RB#0-PASS



Band66-20MHz-16QAM-132572-100RB#0-PASS

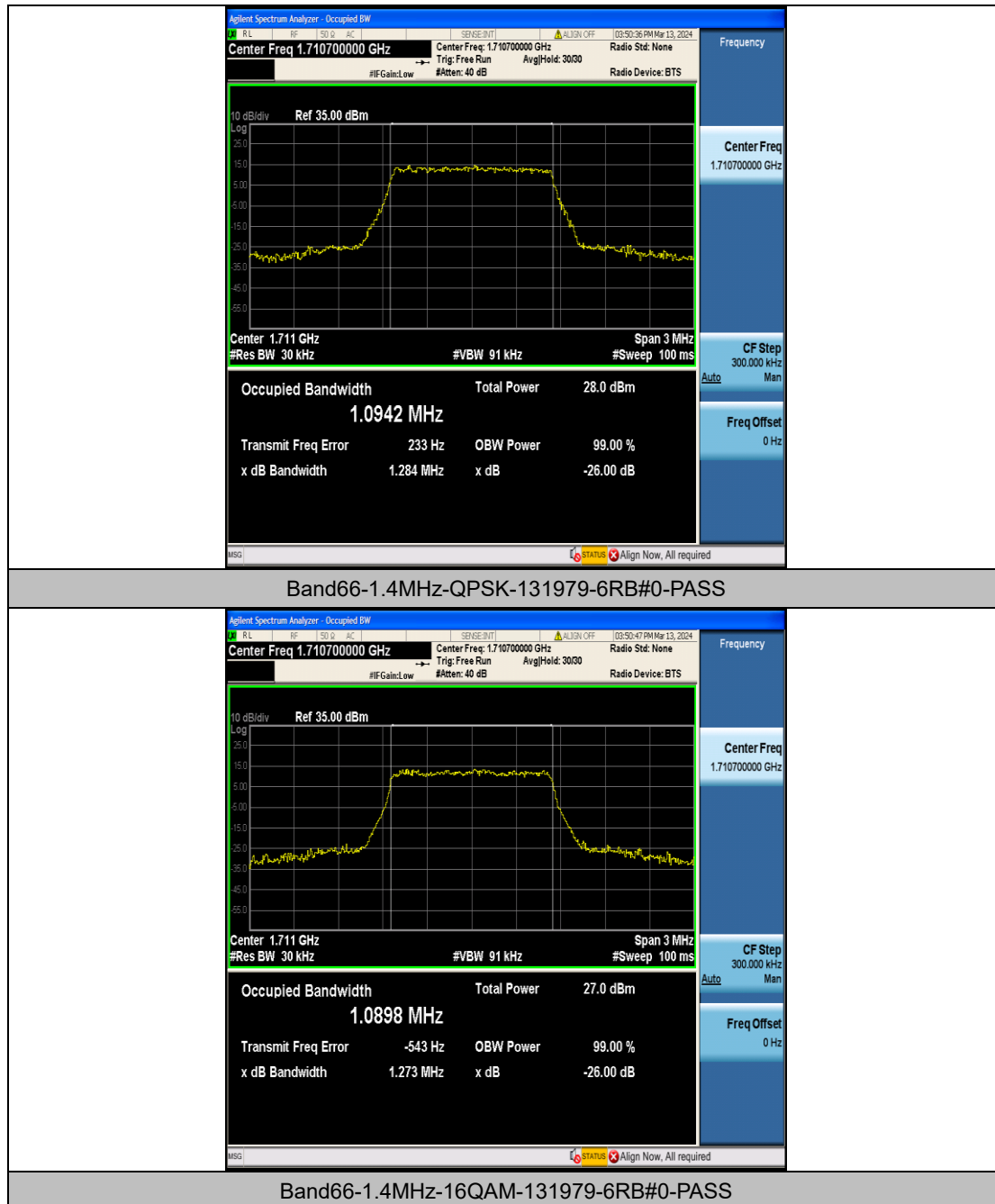
Appendix C: 26dB Bandwidth and Occupied Bandwidth

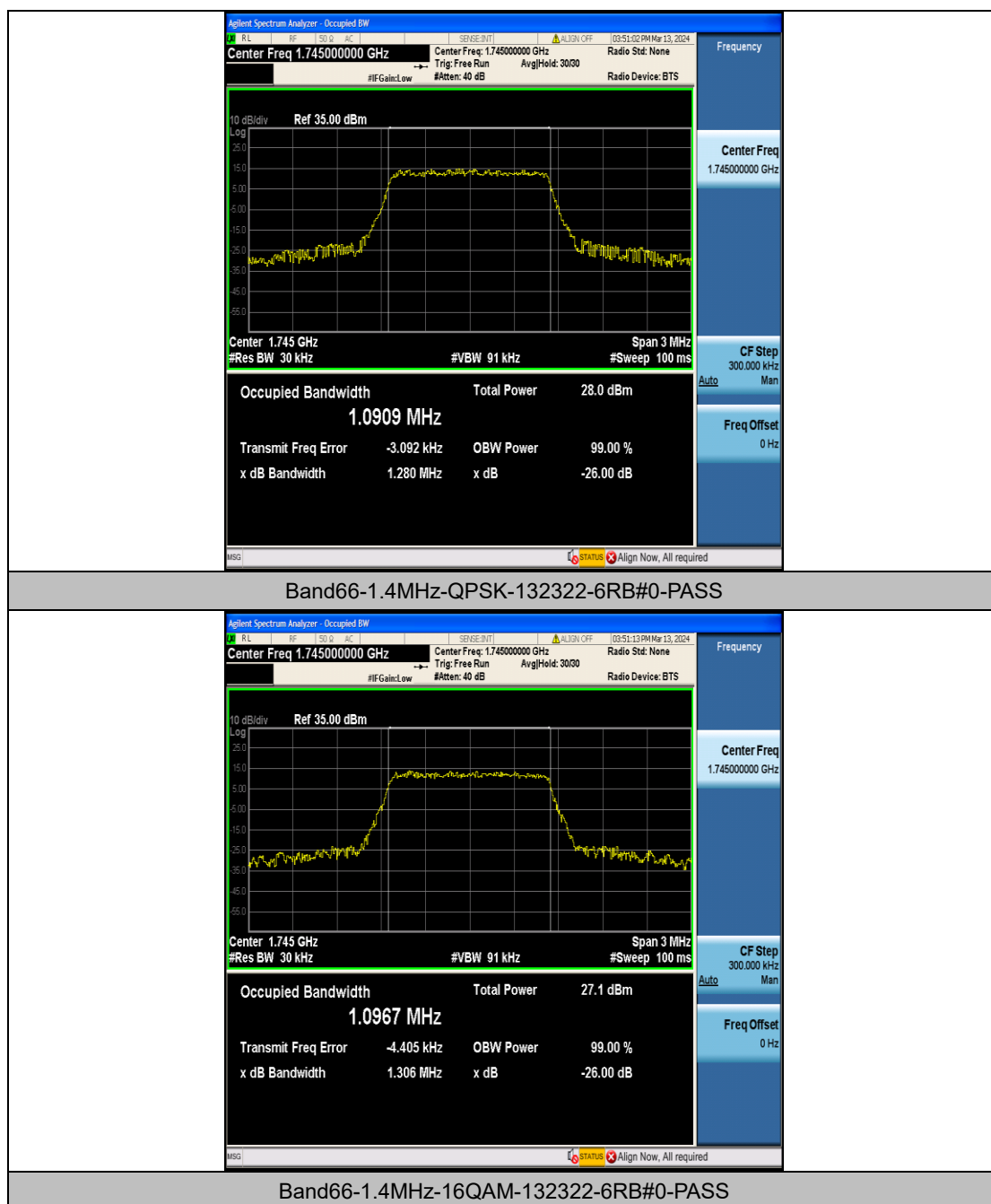
Test Result

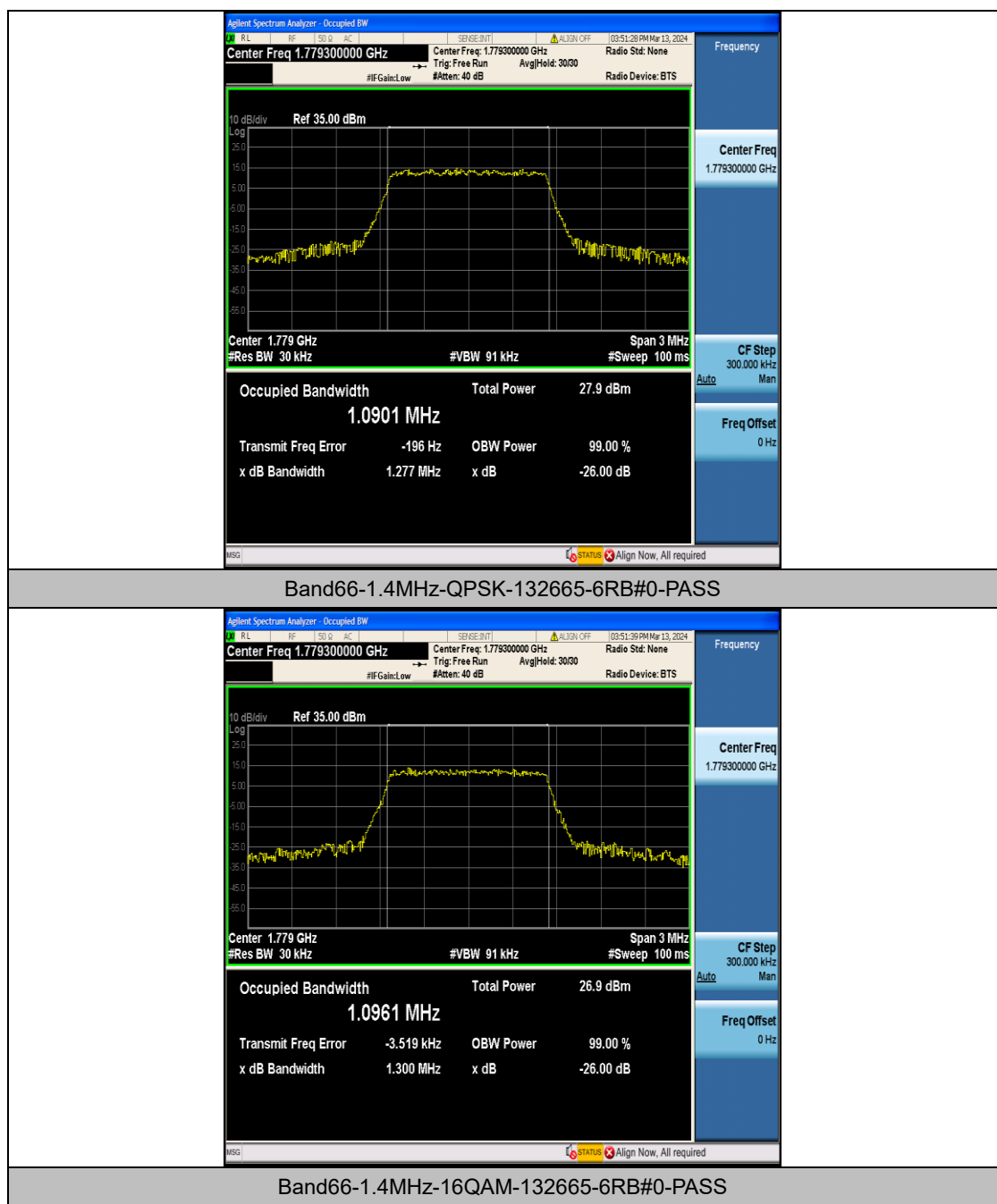
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.0942	1.284	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.0898	1.273	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.0909	1.280	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.0967	1.306	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.0901	1.277	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.0961	1.300	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.6902	2.903	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.6820	2.888	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.6866	2.898	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.6805	2.908	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.6852	2.916	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.6771	2.903	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.5318	5.657	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.5265	5.627	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.5200	5.201	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.5252	5.138	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.5198	5.211	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.5182	5.126	PASS
Band66	10MHz	QPSK	132022	50RB#0	9.0182	10.30	PASS
Band66	10MHz	16QAM	132022	50RB#0	9.0023	10.03	PASS
Band66	10MHz	QPSK	132322	50RB#0	9.0150	10.17	PASS
Band66	10MHz	16QAM	132322	50RB#0	9.0133	10.04	PASS
Band66	10MHz	QPSK	132622	50RB#0	9.0160	10.09	PASS
Band66	10MHz	16QAM	132622	50RB#0	9.0099	10.05	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.534	15.15	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.490	15.09	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.559	15.11	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.511	15.05	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.543	15.43	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.512	14.97	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.958	19.73	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.995	19.87	PASS
Band66	20MHz	QPSK	132322	100RB#0	18.003	19.86	PASS
Band66	20MHz	16QAM	132322	100RB#0	18.031	19.88	PASS

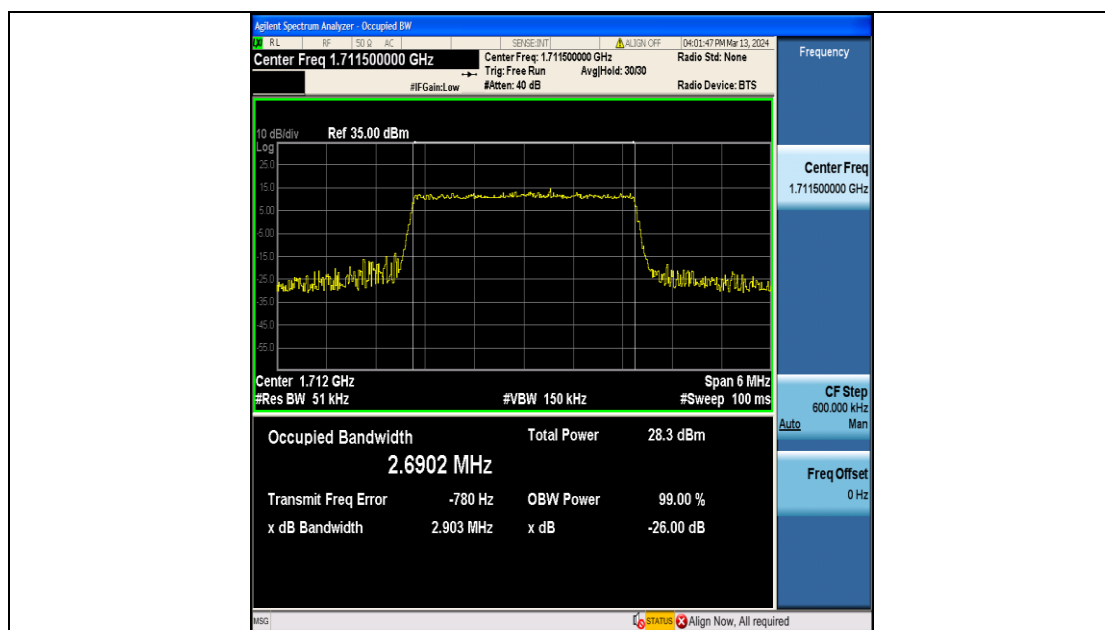
Band66	20MHz	QPSK	132572	100RB#0	17.962	19.66	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.974	19.71	PASS

Test Graphs

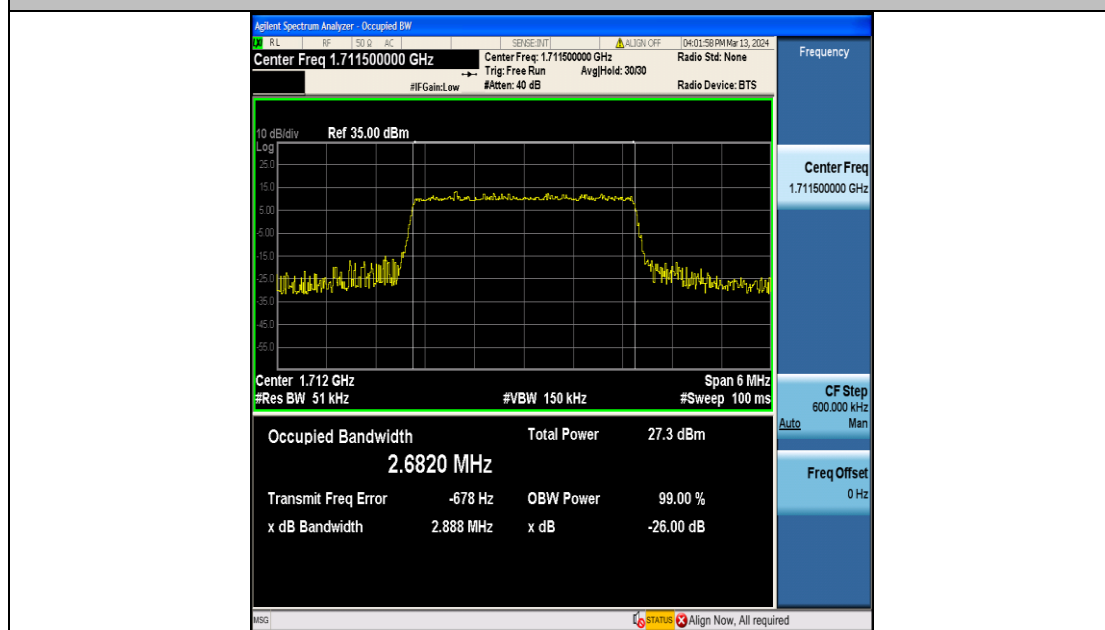




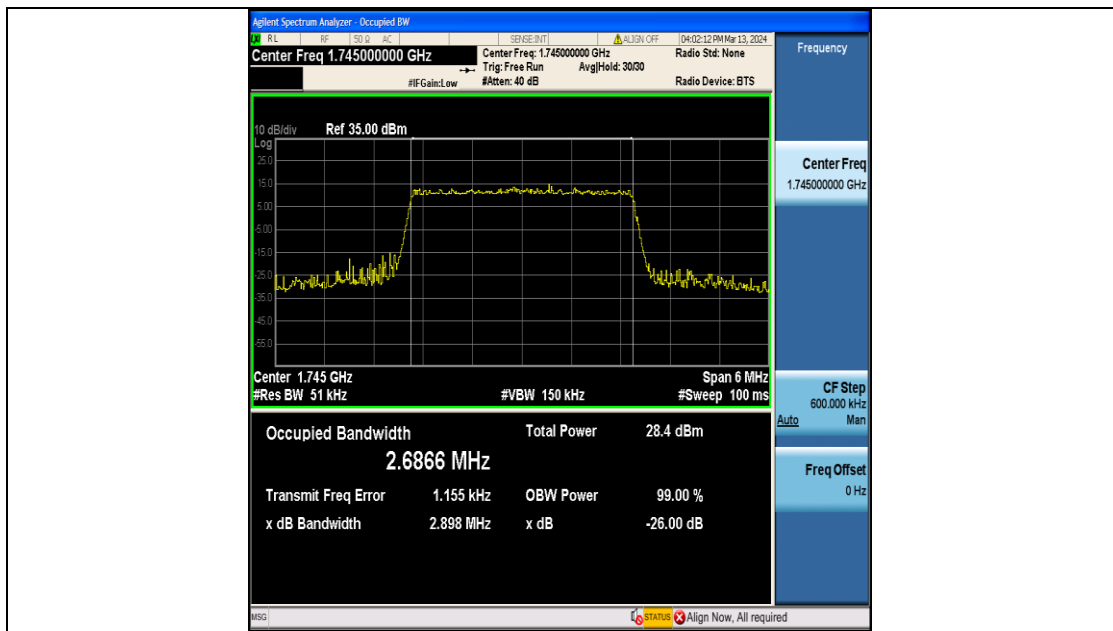




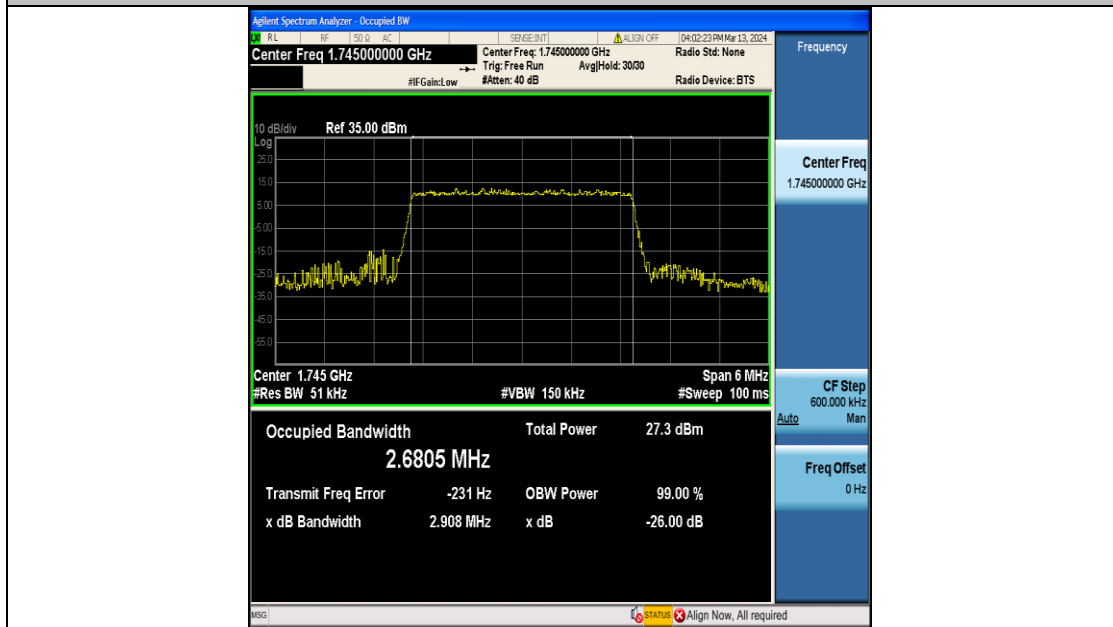
Band66-3MHz-QPSK-131987-15RB#0-PASS



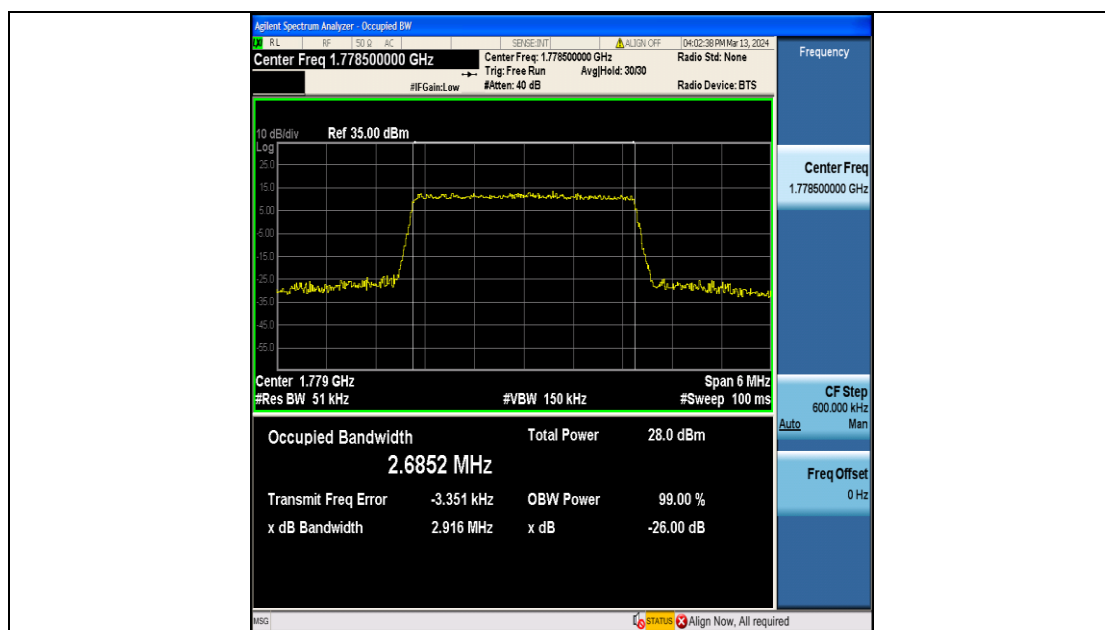
Band66-3MHz-16QAM-131987-15RB#0-PASS



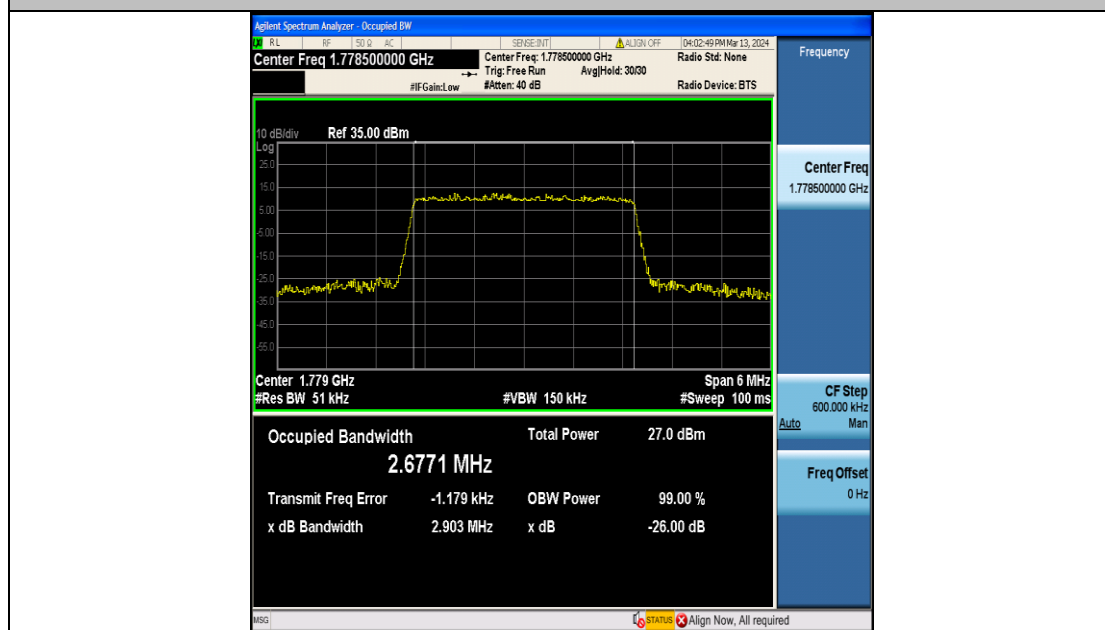
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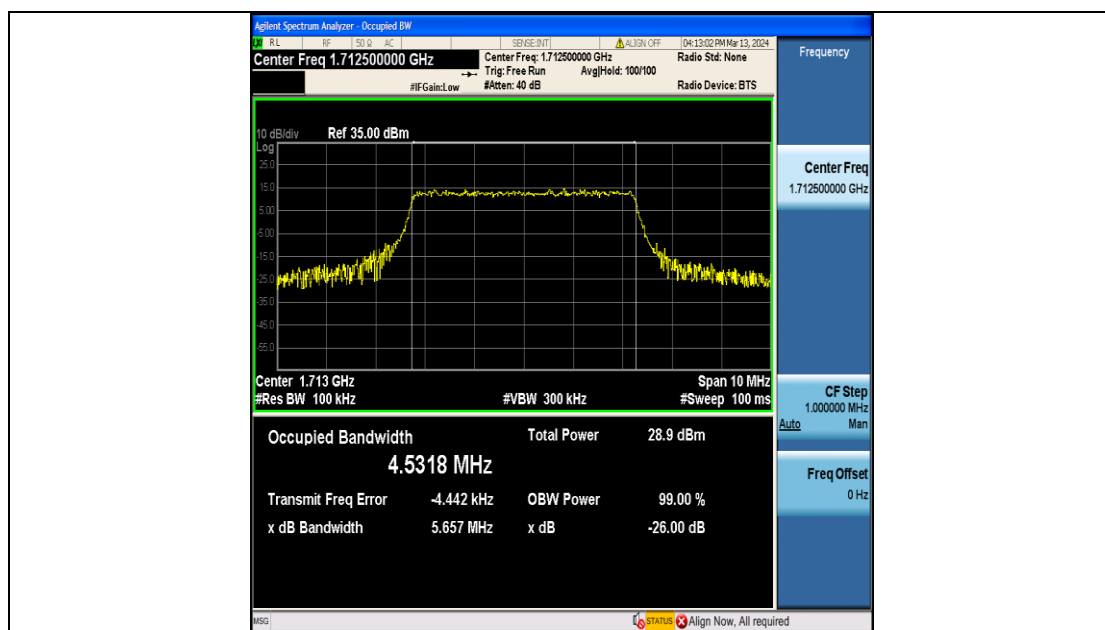
Band66-3MHz-16QAM-132322-15RB#0-PASS



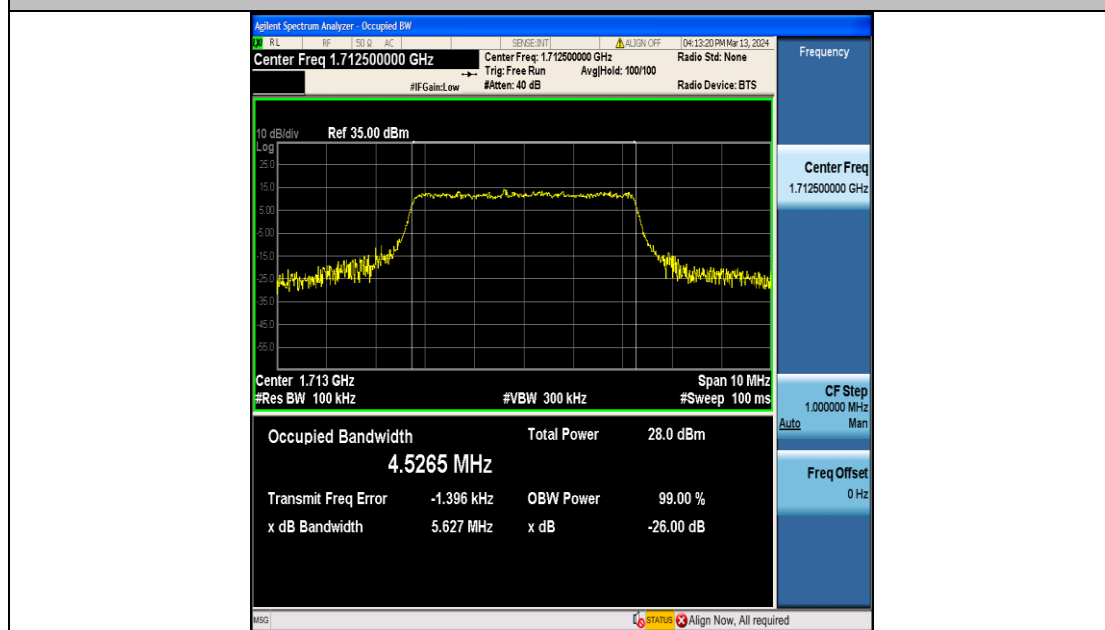
Band66-3MHz-QPSK-132657-15RB#0-PASS



Band66-3MHz-16QAM-132657-15RB#0-PASS



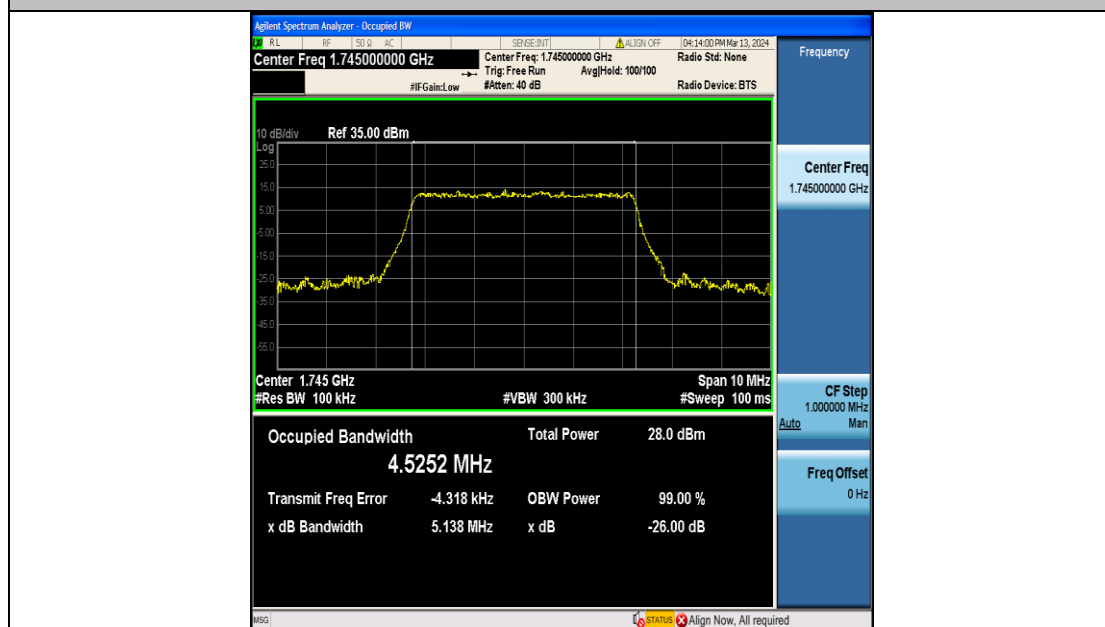
Band66-5MHz-QPSK-131997-25RB#0-PASS



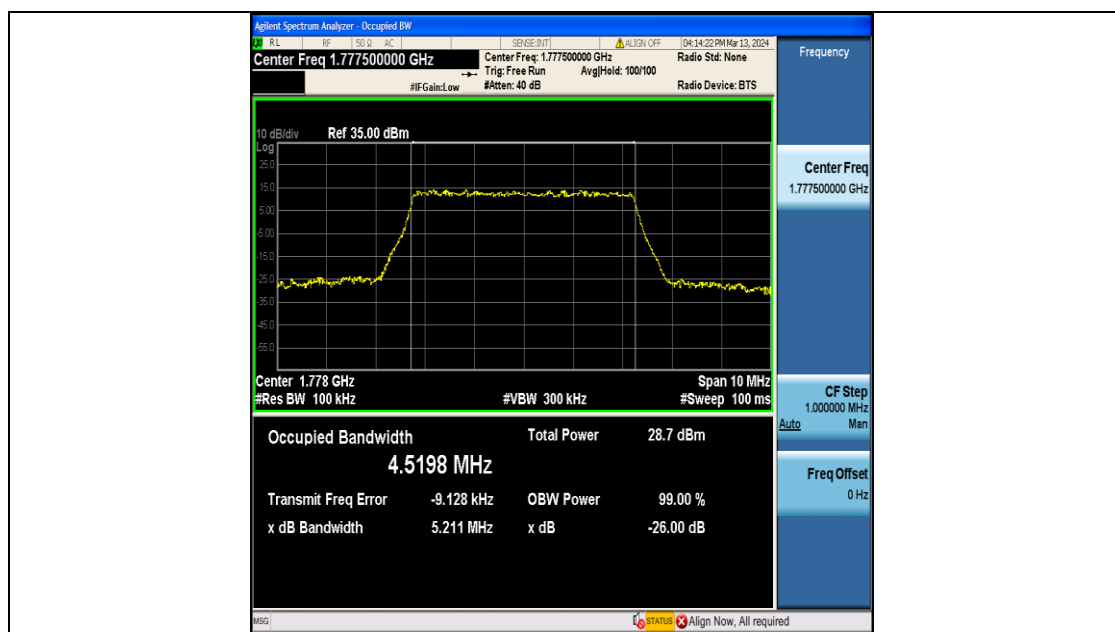
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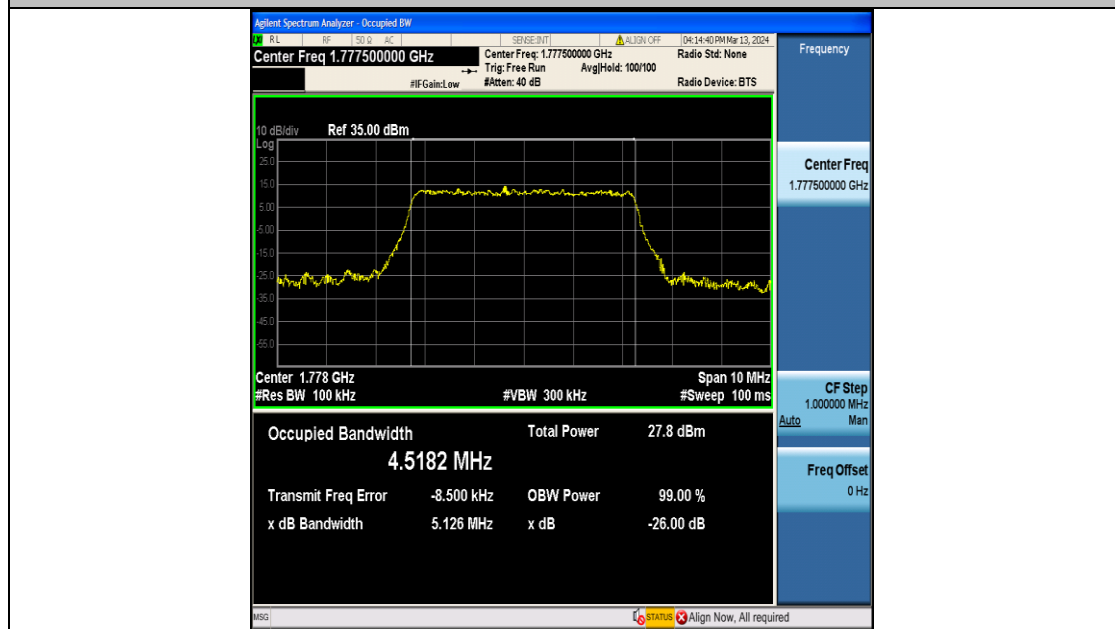
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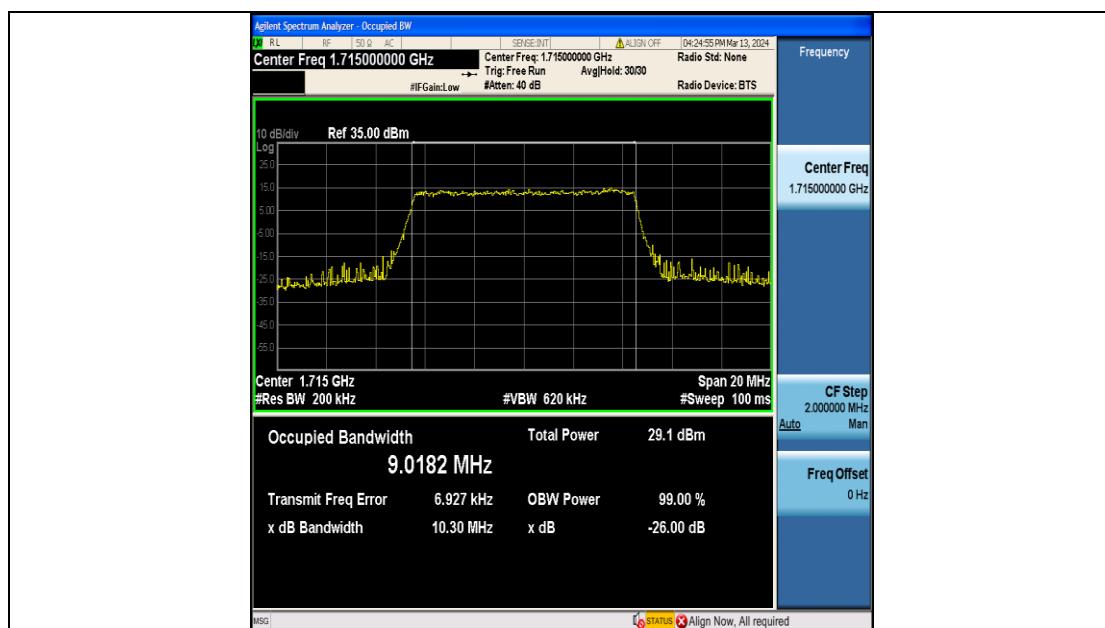
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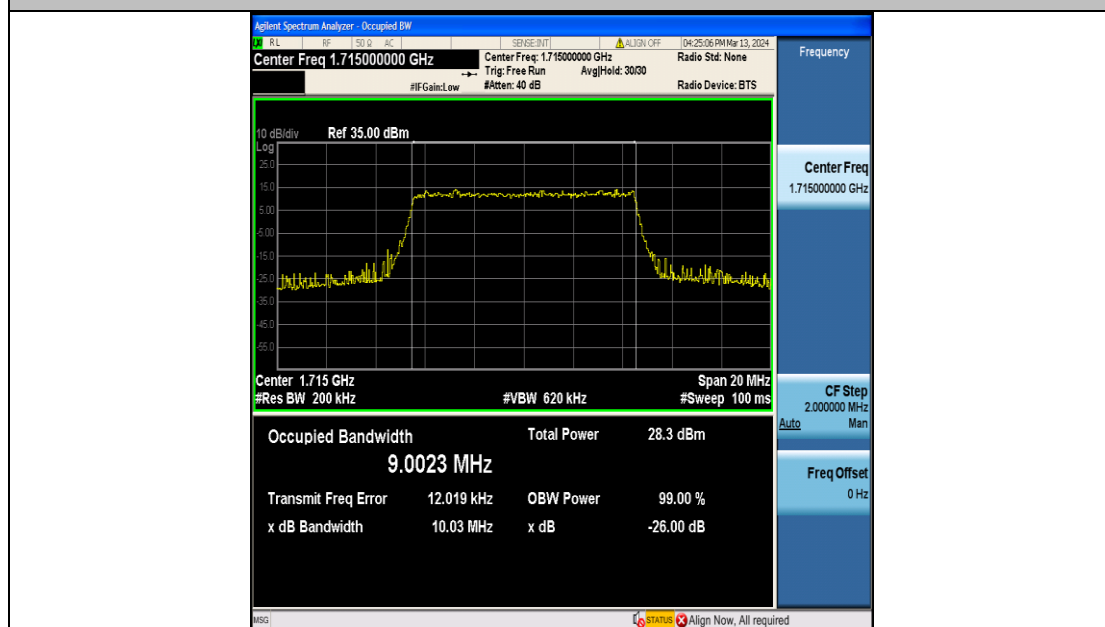
Band66-5MHz-QPSK-132647-25RB#0-PASS



Band66-5MHz-16QAM-132647-25RB#0-PASS



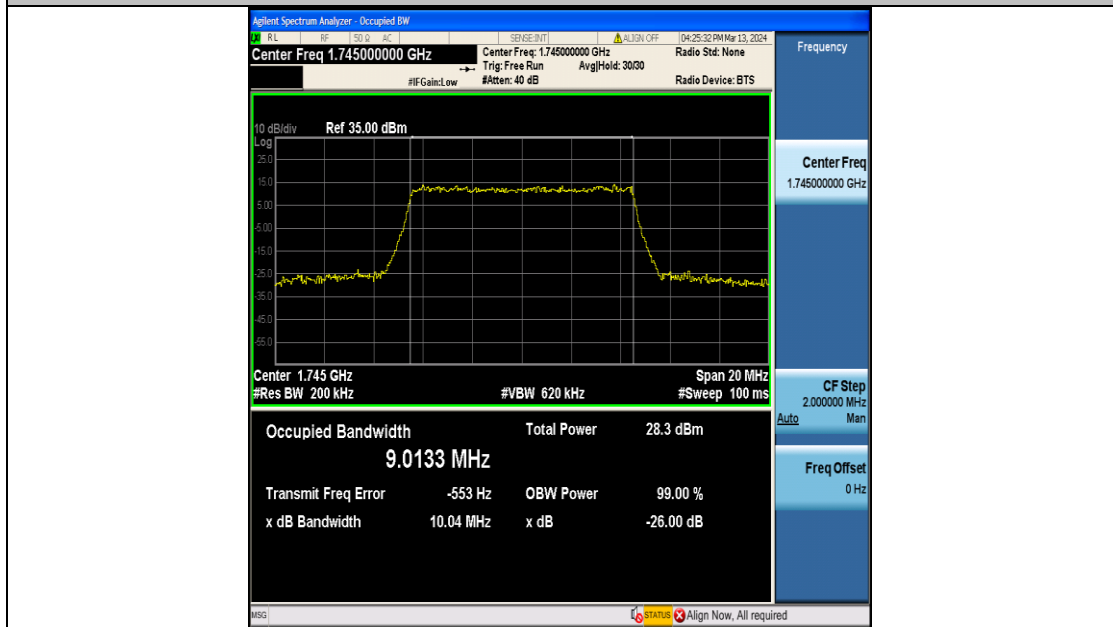
Band66-10MHz-QPSK-132022-50RB#0-PASS



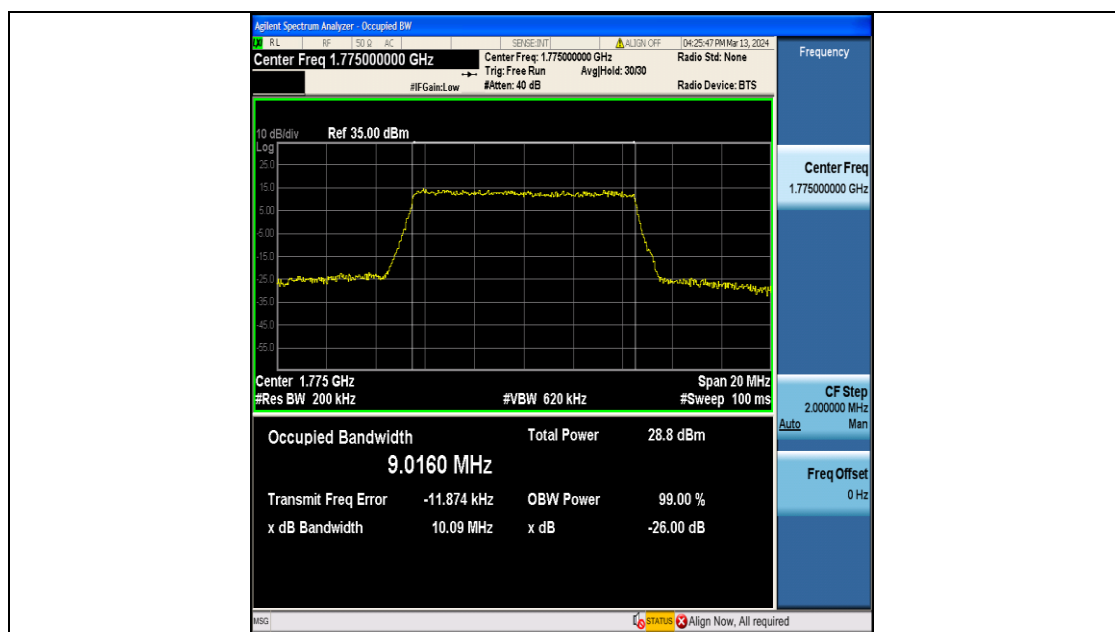
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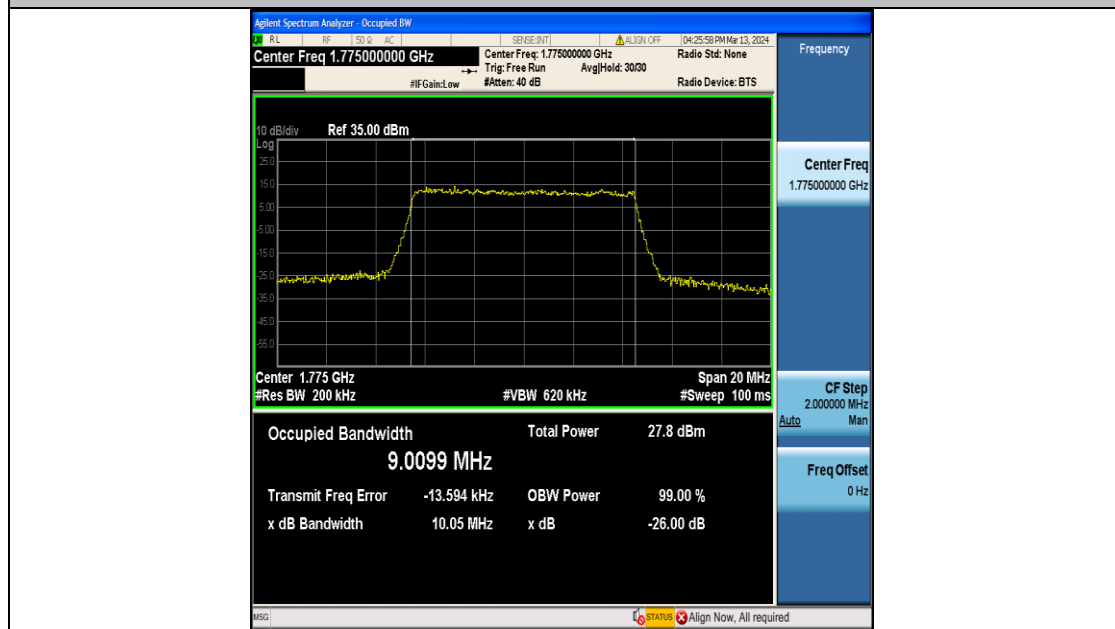
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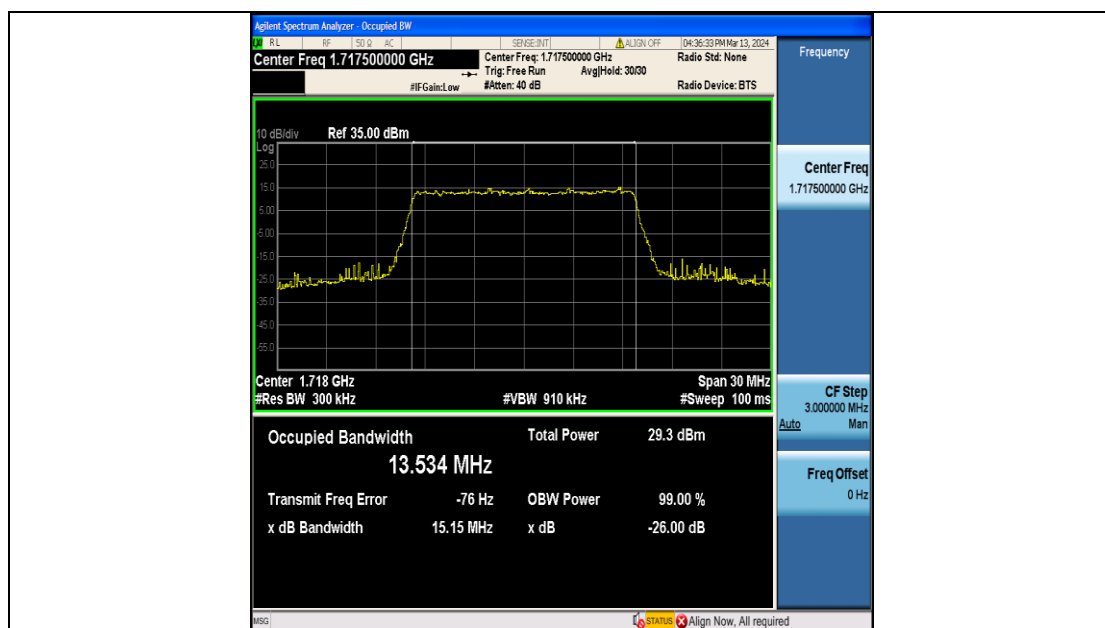
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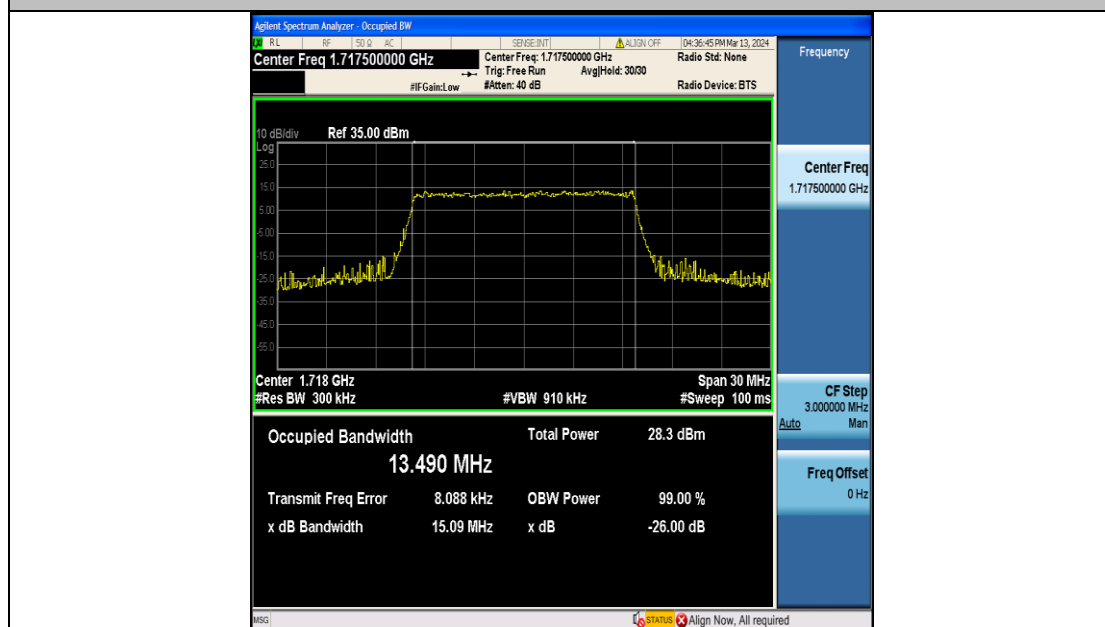
Band66-10MHz-QPSK-132622-50RB#0-PASS



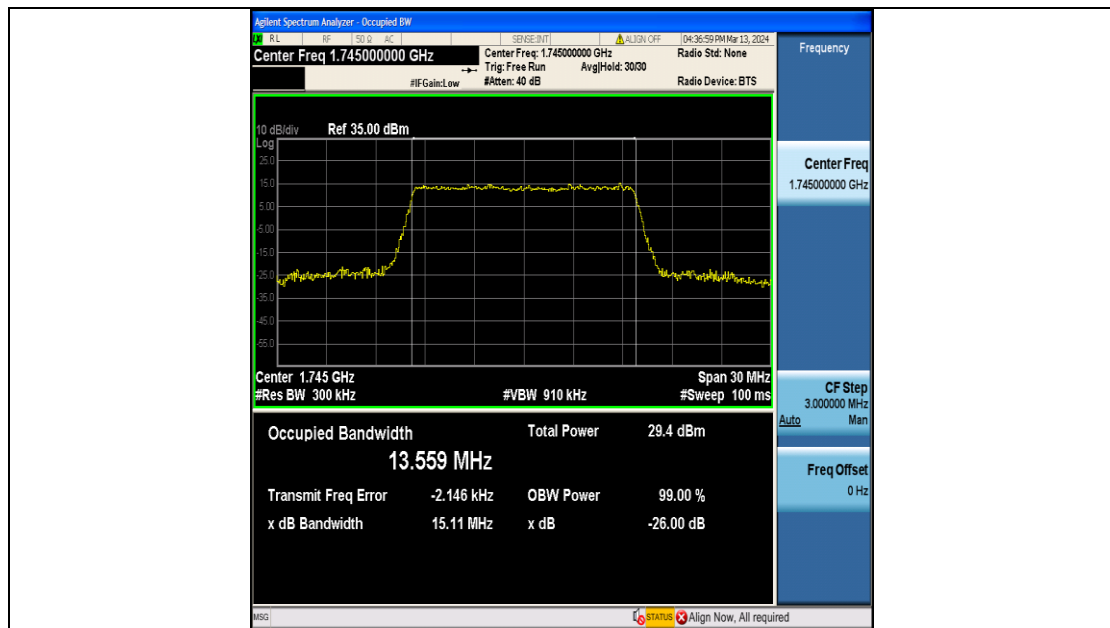
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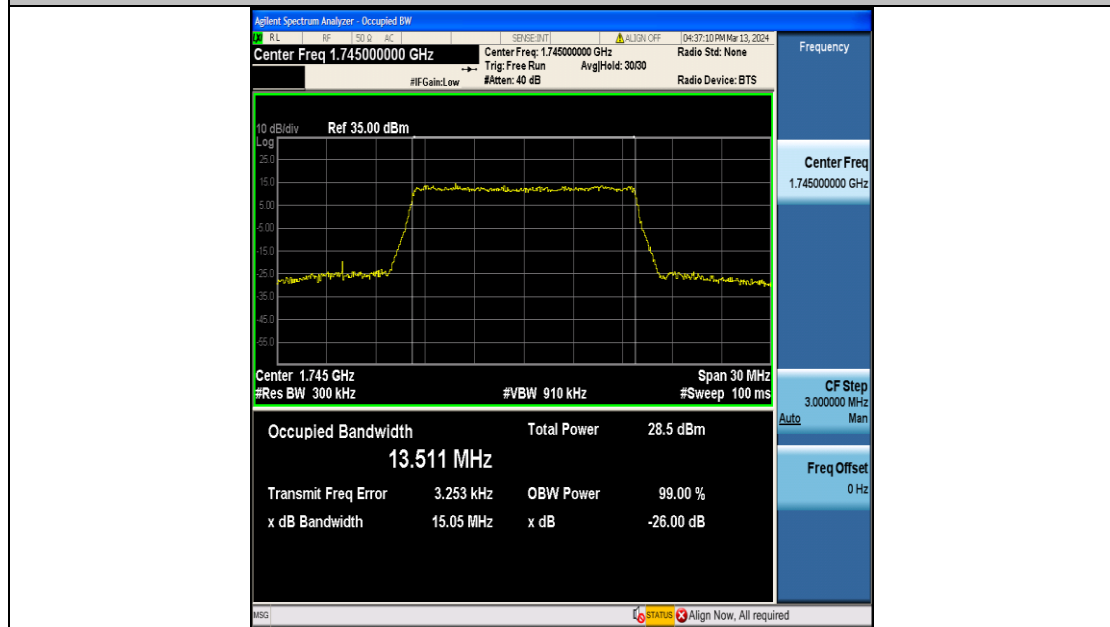
Band66-15MHz-QPSK-132047-75RB#0-PASS



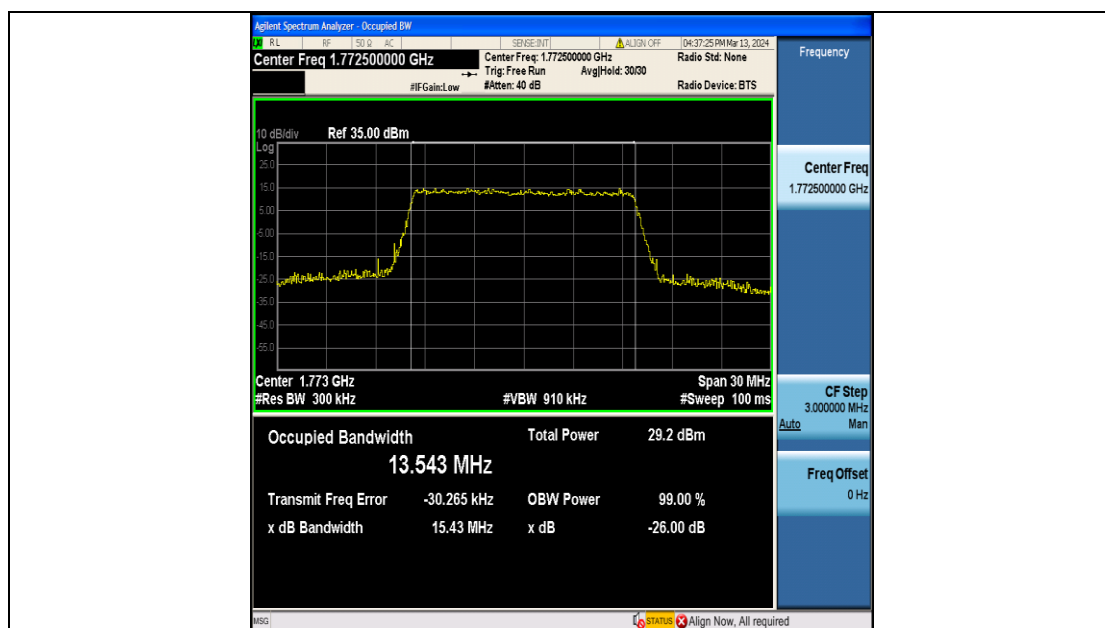
Band66-15MHz-16QAM-132047-75RB#0-PASS



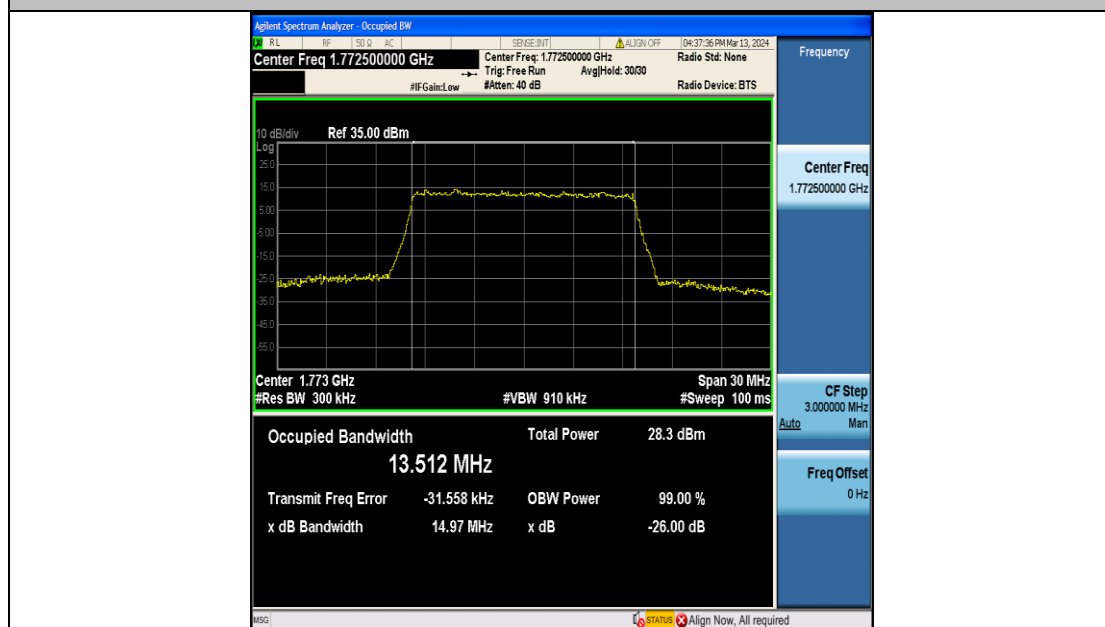
Band66-15MHz-QPSK-132322-75RB#0-PASS



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



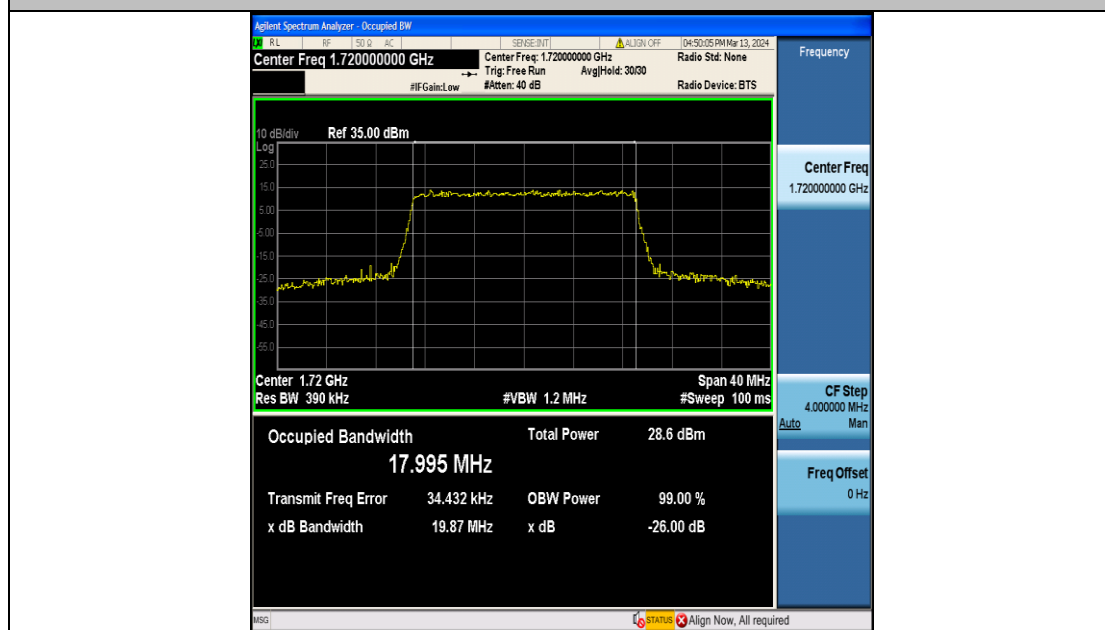
Band66-15MHz-QPSK-132597-75RB#0-PASS



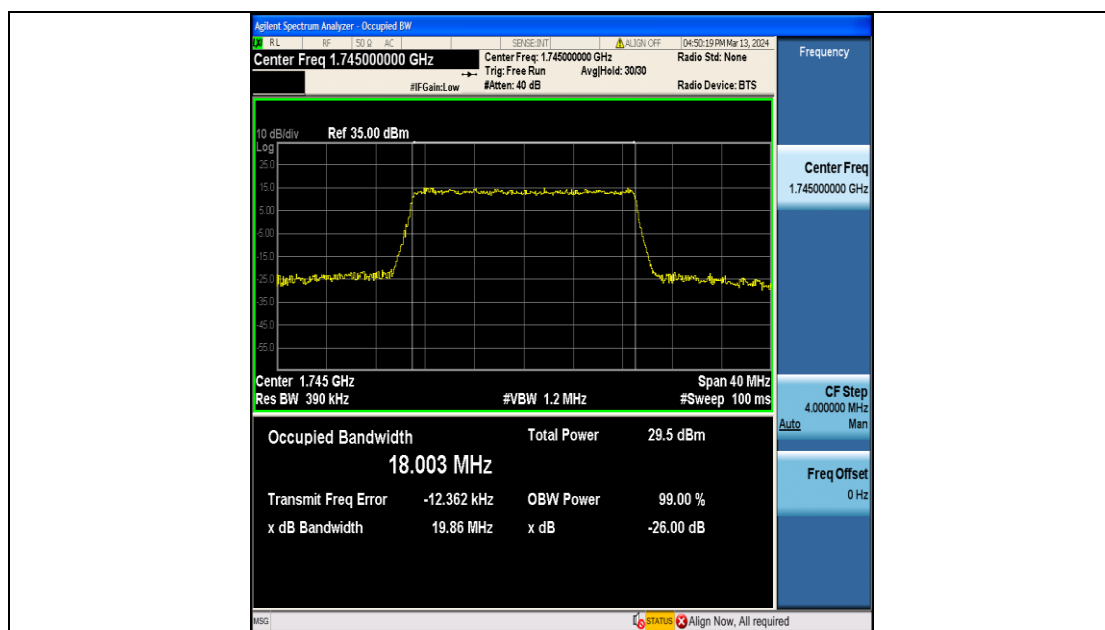
Band66-15MHz-16QAM-132597-75RB#0-PASS



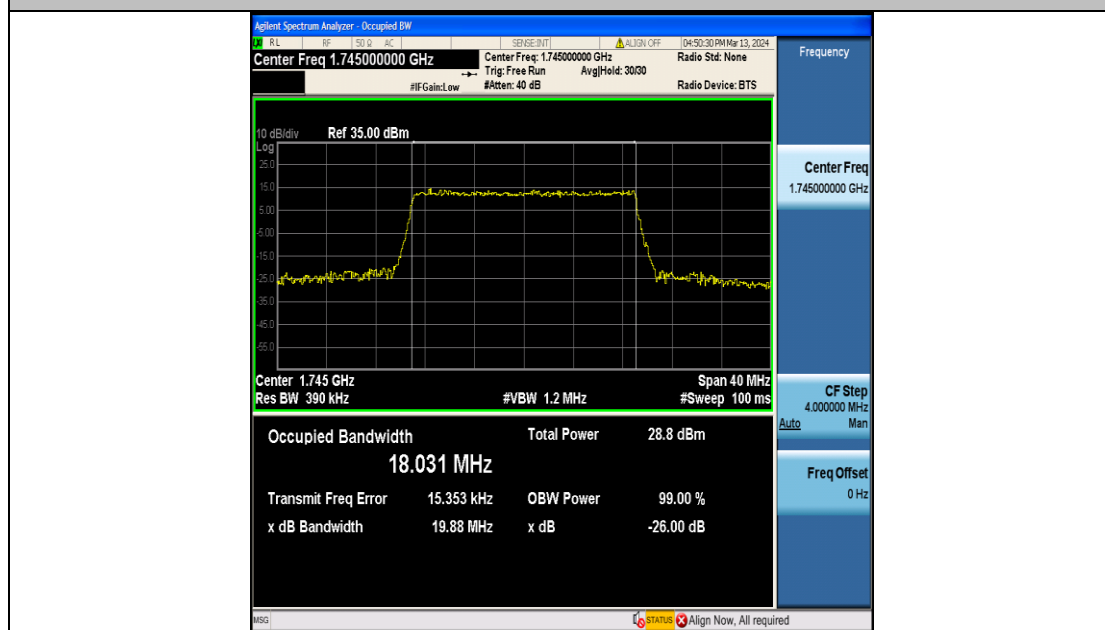
Band66-20MHz-QPSK-132072-100RB#0-PASS



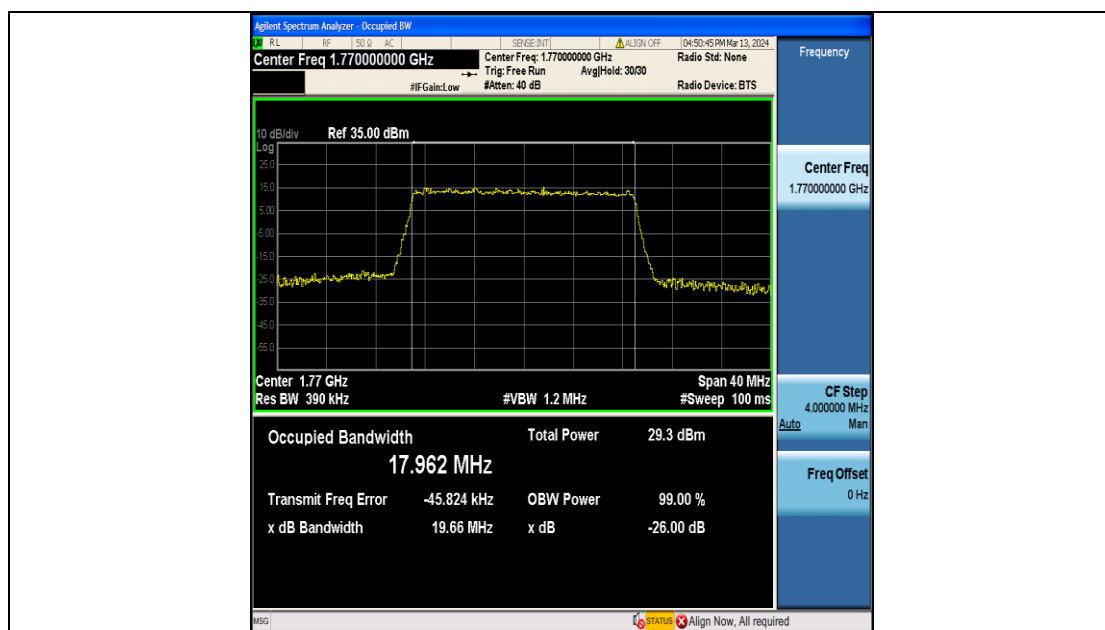
Band66-20MHz-16QAM-132072-100RB#0-PASS



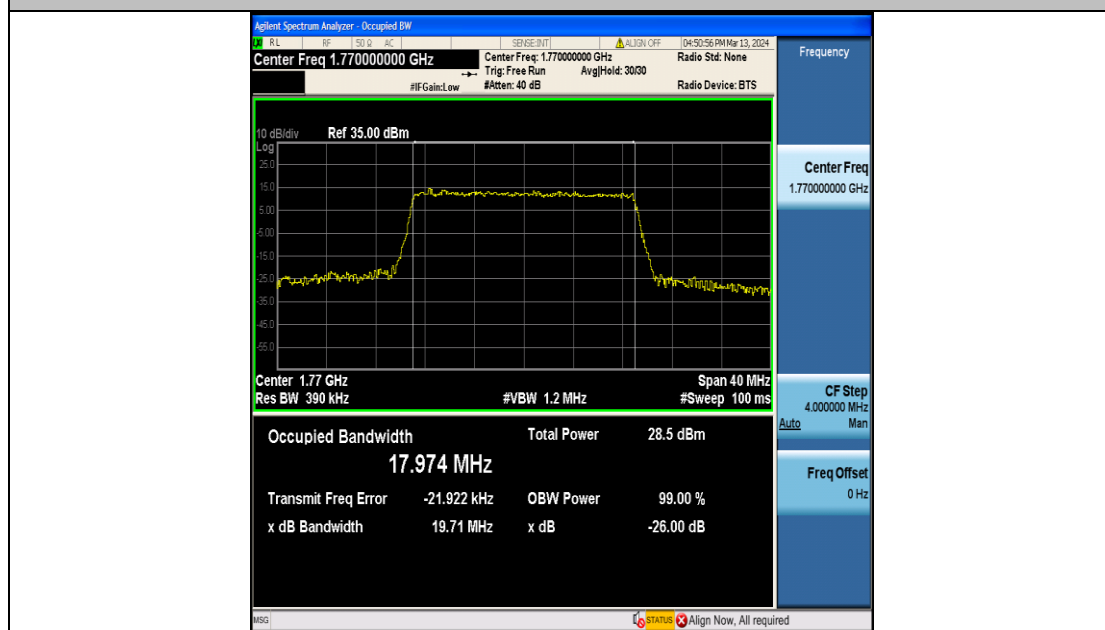
Band66-20MHz-QPSK-132322-100RB#0-PASS



Band66-20MHz-16QAM-132322-100RB#0-PASS



Band66-20MHz-QPSK-132572-100RB#0-PASS



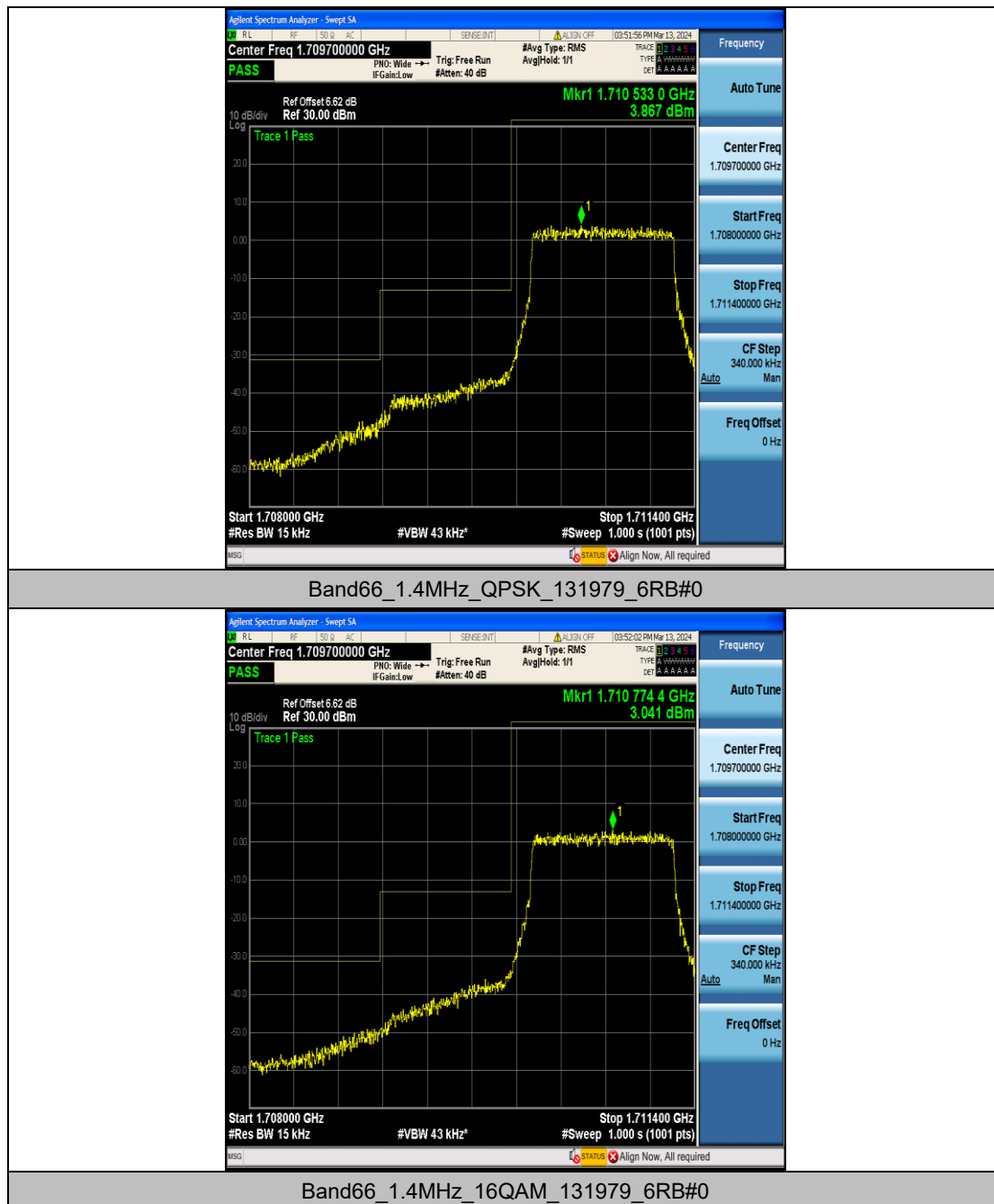
Band66-20MHz-16QAM-132572-100RB#0-PASS

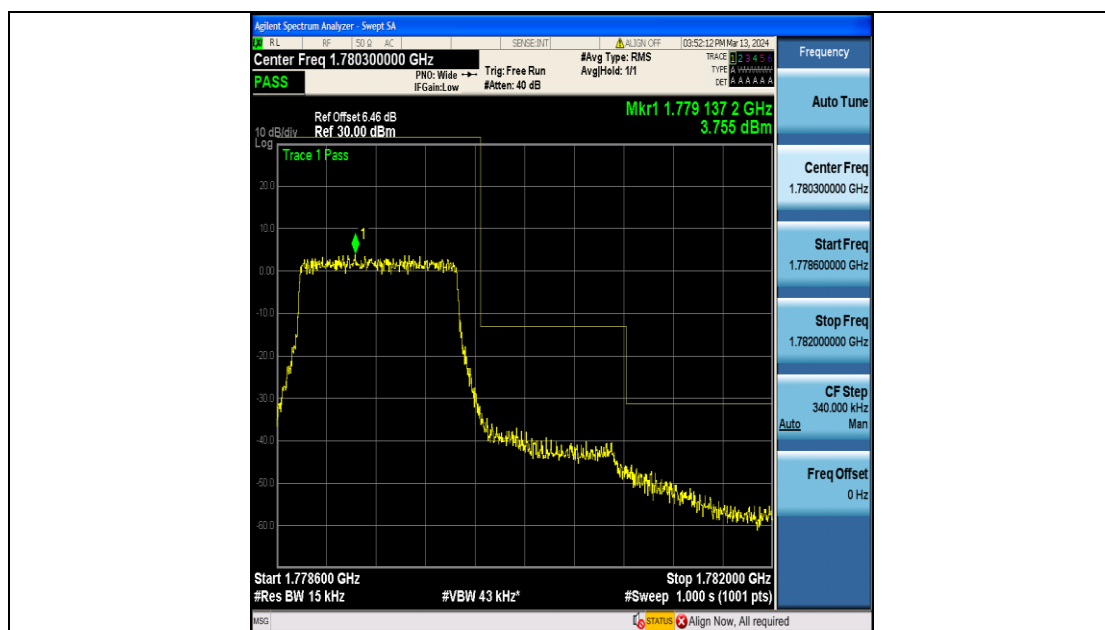
Appendix D: Band Edge

Test Result

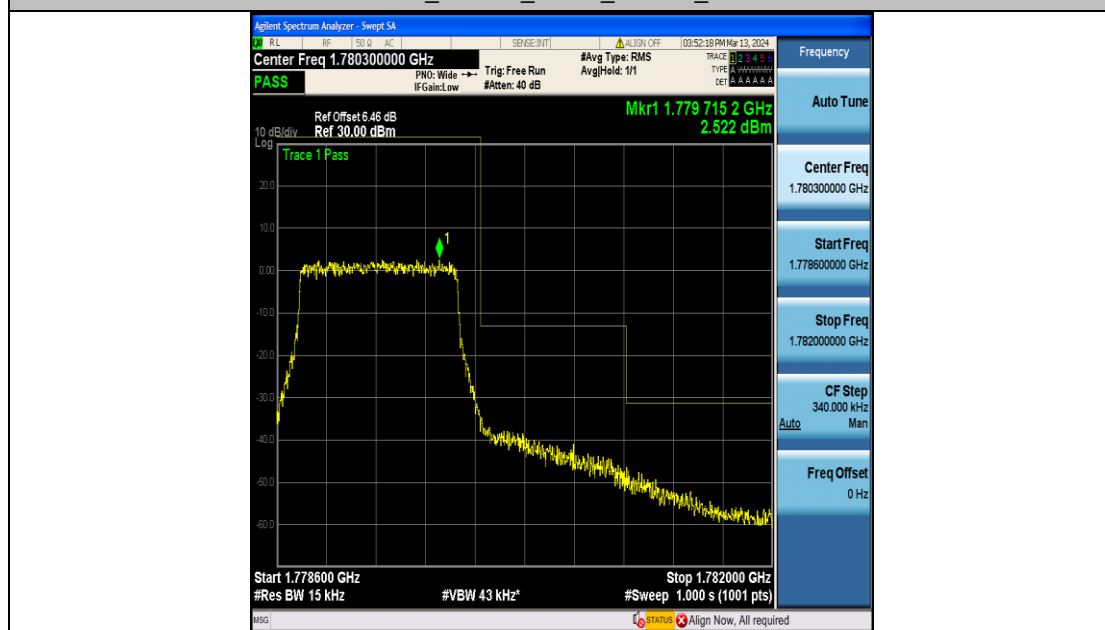
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	-46.90	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	-49.12	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	-45.70	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	-46.42	PASS
Band66	3MHz	QPSK	131987	15RB#0	-39.51	PASS
Band66	3MHz	16QAM	131987	15RB#0	-39.74	PASS
Band66	3MHz	QPSK	132657	15RB#0	-41.71	PASS
Band66	3MHz	16QAM	132657	15RB#0	-42.14	PASS
Band66	5MHz	QPSK	131997	25RB#0	-38.19	PASS
Band66	5MHz	16QAM	131997	25RB#0	-39.04	PASS
Band66	5MHz	QPSK	132647	25RB#0	-40.34	PASS
Band66	5MHz	16QAM	132647	25RB#0	-41.51	PASS
Band66	10MHz	QPSK	132022	50RB#0	-36.56	PASS
Band66	10MHz	16QAM	132022	50RB#0	-38.46	PASS
Band66	10MHz	QPSK	132622	50RB#0	-40.53	PASS
Band66	10MHz	16QAM	132622	50RB#0	-41.48	PASS
Band66	15MHz	QPSK	132047	75RB#0	-35.42	PASS
Band66	15MHz	16QAM	132047	75RB#0	-37.59	PASS
Band66	15MHz	QPSK	132597	75RB#0	-38.91	PASS
Band66	15MHz	16QAM	132597	75RB#0	-41.60	PASS
Band66	20MHz	QPSK	132072	100RB#0	-37.18	PASS
Band66	20MHz	16QAM	132072	100RB#0	-38.32	PASS
Band66	20MHz	QPSK	132572	100RB#0	-41.25	PASS
Band66	20MHz	16QAM	132572	100RB#0	-41.78	PASS

Test Graphs

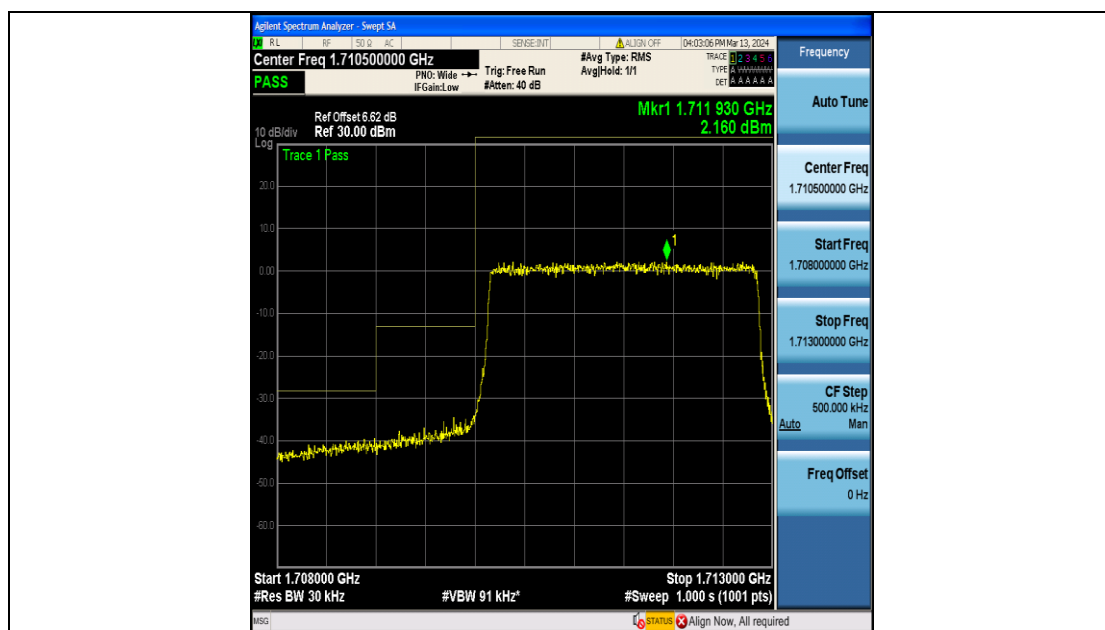




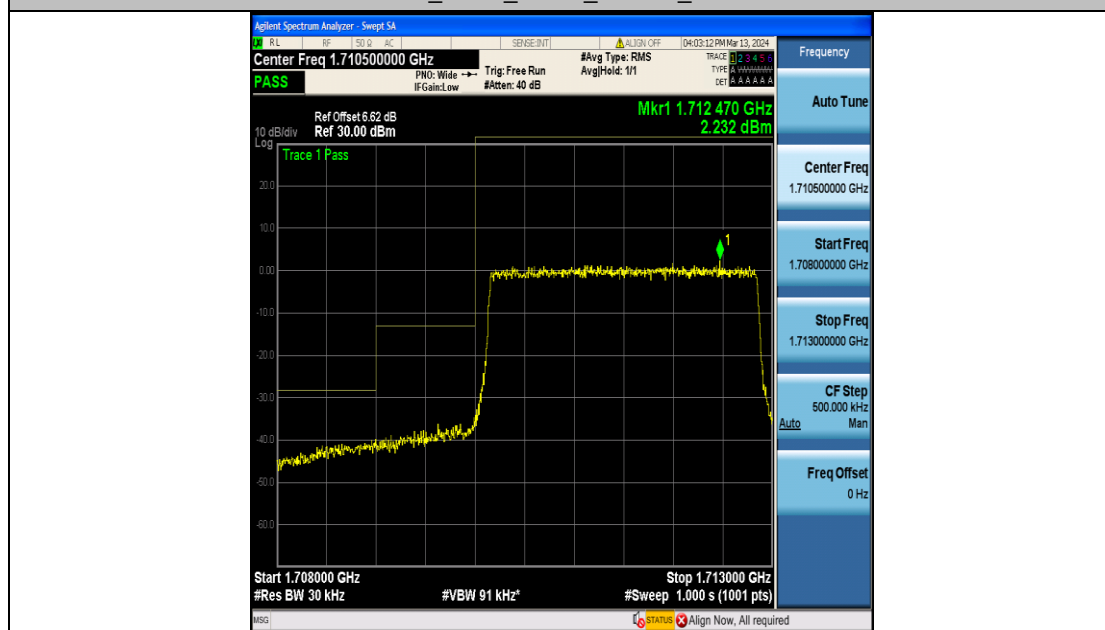
Band66_1.4MHz_QPSK_132665_6RB#0



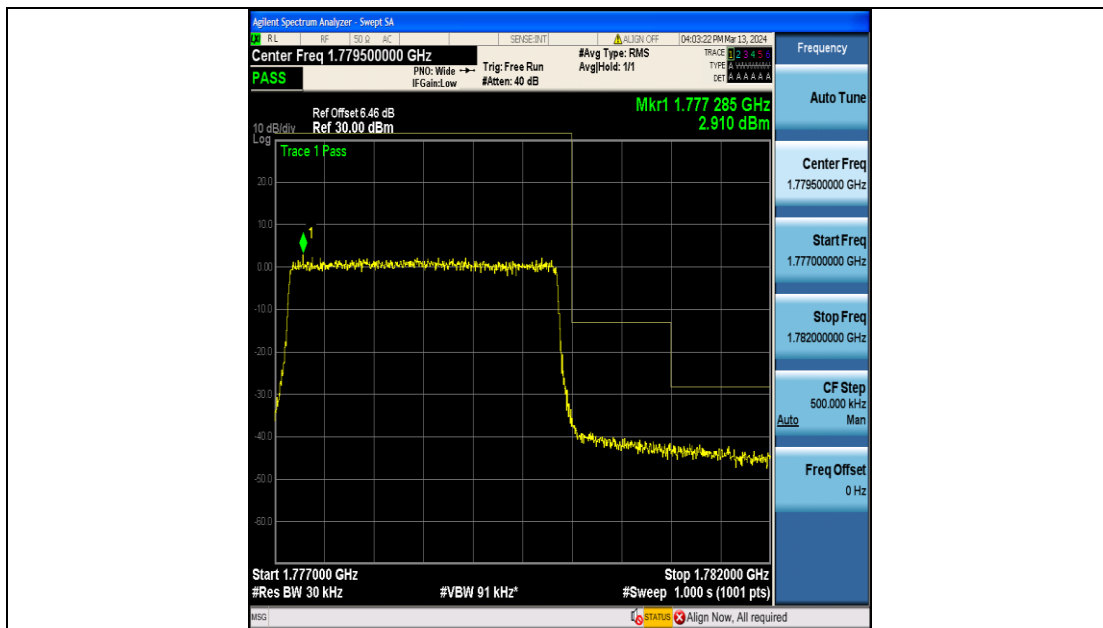
Band66_1.4MHz_16QAM_132665_6RB#0



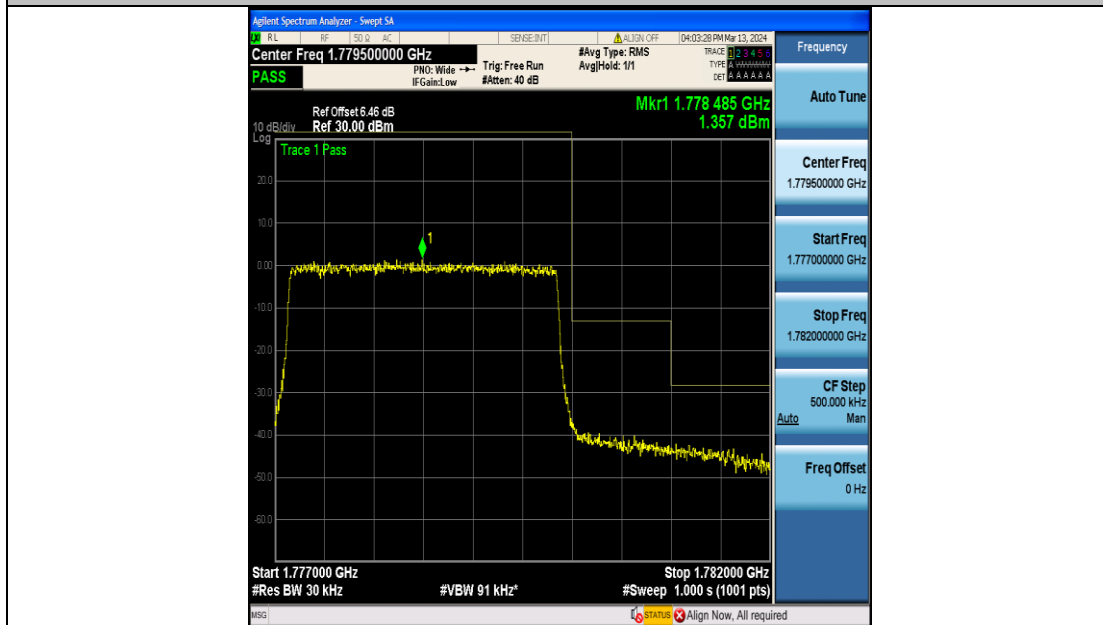
Band66_3MHz_QPSK_131987_15RB#0



Band66_3MHz_16QAM_131987_15RB#0



Band66_3MHz_QPSK_132657_15RB#0



Band66_3MHz_16QAM_132657_15RB#0



Band66_5MHz_QPSK_131997_25RB#0



Band66_5MHz_16QAM_131997_25RB#0