FCC LTE Band Test Data

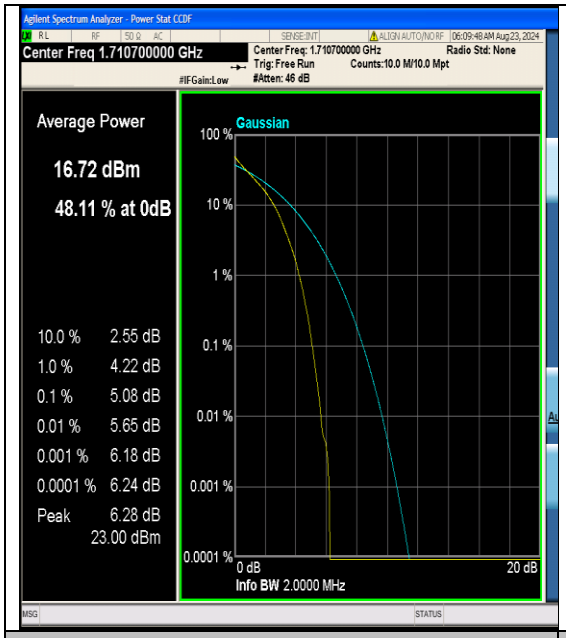
FCC ID	**:**	**2BKLE-ARIES**
Company:	**:**	**Versa World Inc.**
EUT	**:**	**POC/IP Two Way Radio**
Model Number	**:**	**G232**
Reviewed By	**:**	**Eric Wang**

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

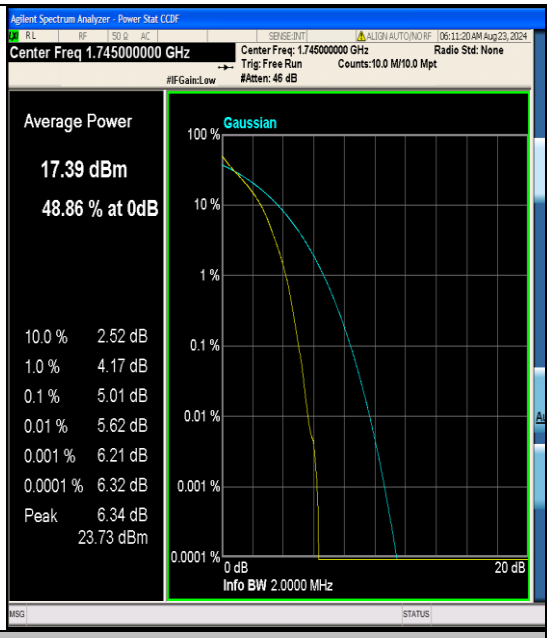
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	5.08	13	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	5.01	13	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	4.97	13	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	5.88	13	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	5.84	13	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	5.69	13	PASS
Band66	3MHz	QPSK	131987	15RB#0	5.34	13	PASS
Band66	3MHz	QPSK	132322	15RB#0	5.26	13	PASS
Band66	3MHz	QPSK	132657	15RB#0	5.27	13	PASS
Band66	3MHz	16QAM	131987	15RB#0	6.15	13	PASS
Band66	3MHz	16QAM	132322	15RB#0	6.15	13	PASS
Band66	3MHz	16QAM	132657	15RB#0	5.93	13	PASS
Band66	5MHz	QPSK	131997	25RB#0	5.45	13	PASS
Band66	5MHz	QPSK	132322	25RB#0	5.44	13	PASS
Band66	5MHz	QPSK	132647	25RB#0	5.37	13	PASS
Band66	5MHz	16QAM	131997	25RB#0	6.10	13	PASS
Band66	5MHz	16QAM	132322	25RB#0	6.12	13	PASS
Band66	5MHz	16QAM	132647	25RB#0	6.02	13	PASS
Band66	10MHz	QPSK	132022	50RB#0	5.46	13	PASS
Band66	10MHz	QPSK	132322	50RB#0	5.36	13	PASS
Band66	10MHz	QPSK	132622	50RB#0	5.31	13	PASS
Band66	10MHz	16QAM	132022	50RB#0	6.17	13	PASS
Band66	10MHz	16QAM	132322	50RB#0	6.11	13	PASS
Band66	10MHz	16QAM	132622	50RB#0	5.99	13	PASS
Band66	15MHz	QPSK	132047	75RB#0	5.82	13	PASS
Band66	15MHz	QPSK	132322	75RB#0	5.60	13	PASS
Band66	15MHz	QPSK	132597	75RB#0	5.50	13	PASS
Band66	15MHz	16QAM	132047	75RB#0	6.36	13	PASS
Band66	15MHz	16QAM	132322	75RB#0	6.18	13	PASS
Band66	15MHz	16QAM	132597	75RB#0	6.05	13	PASS
Band66	20MHz	QPSK	132072	100RB#0	5.56	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.27	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.20	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	6.30	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	6.06	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	5.94	13	PASS

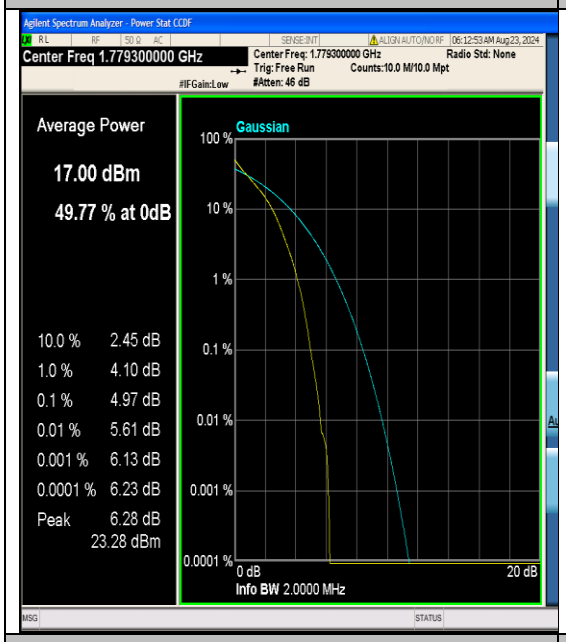
Test Graphs



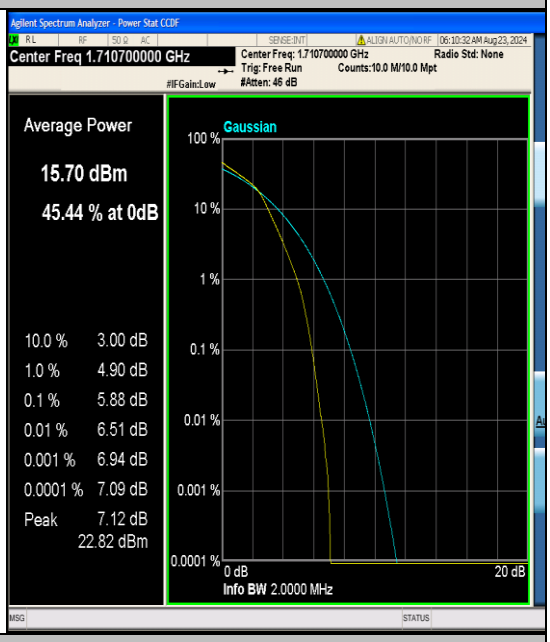
Band66-1.4MHz-QPSK-131979-6RB#0-PASS



Band66-1.4MHz-QPSK-132322-6RB#0-PASS

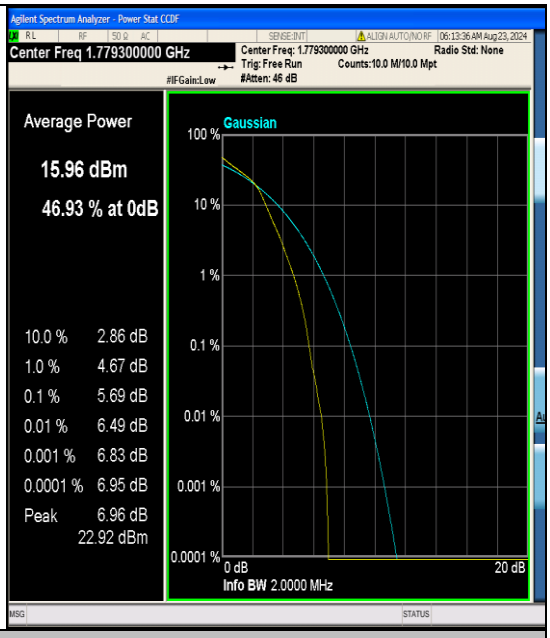


Band66-1.4MHz-QPSK-132665-6RB#0-PASS

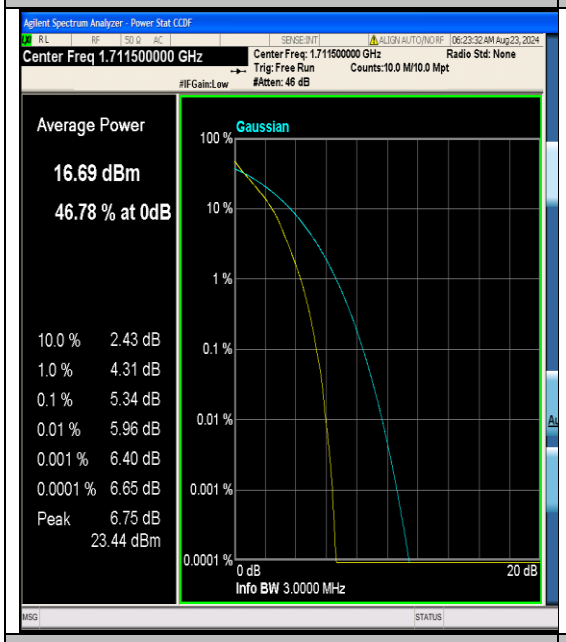


Band66-1.4MHz-16QAM-131979-6RB#0-PASS

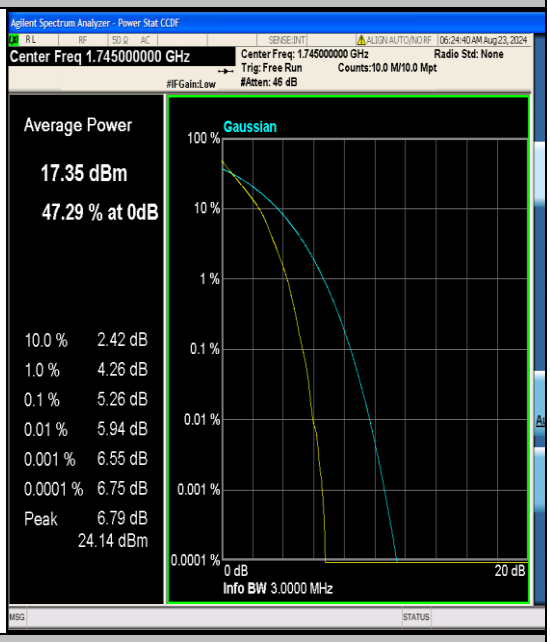
Band66-1.4MHz-16QAM-132322-6RB#0-PASS



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



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



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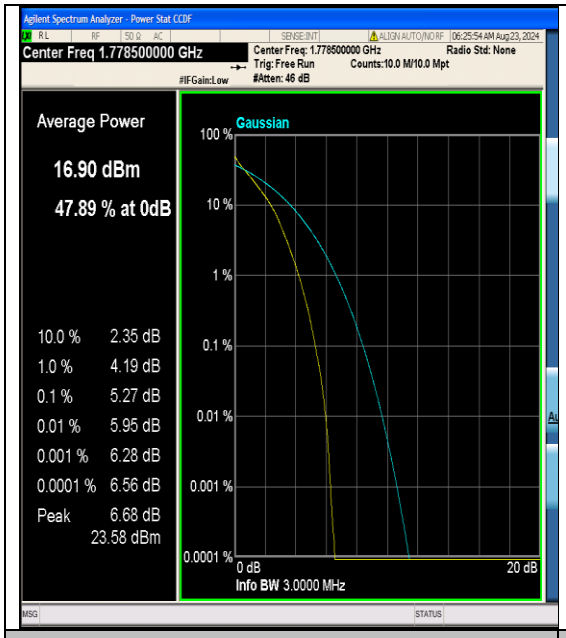

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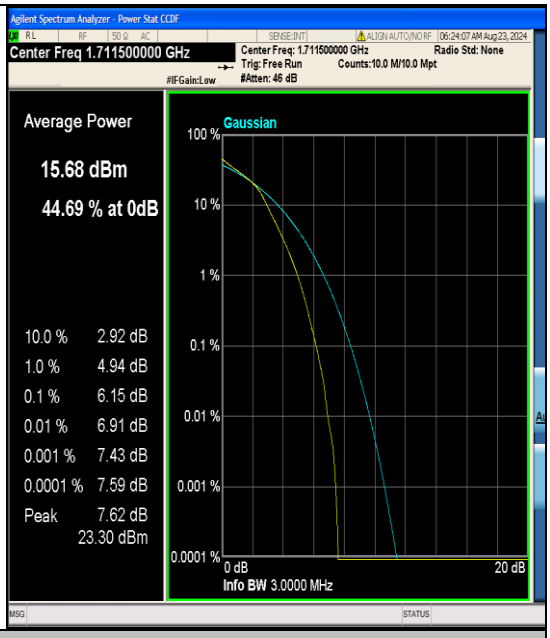
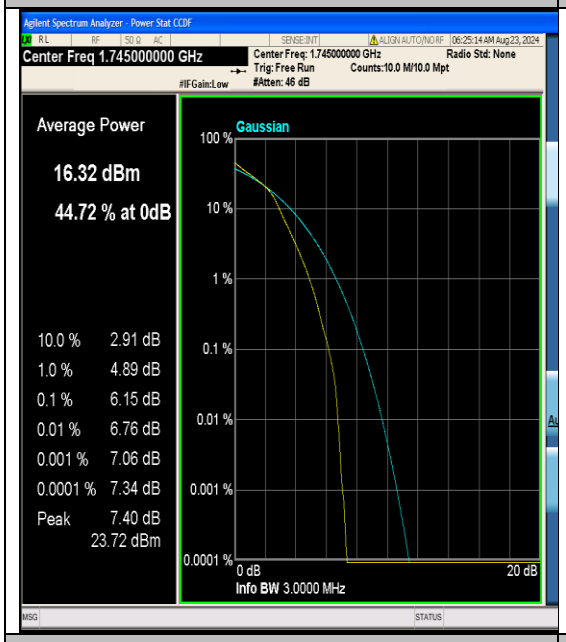


Band66-3MHz-16QAM-131987-15RB#0-PASS



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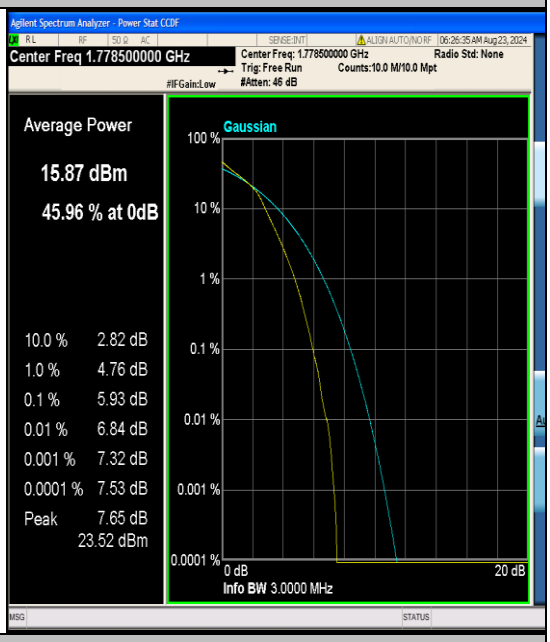

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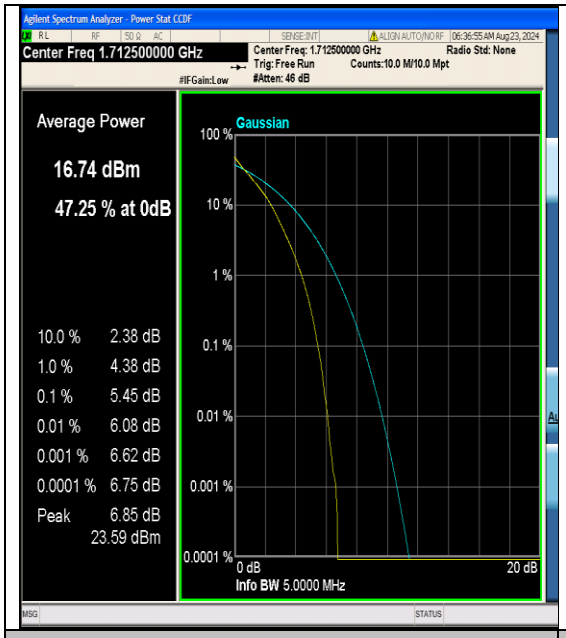
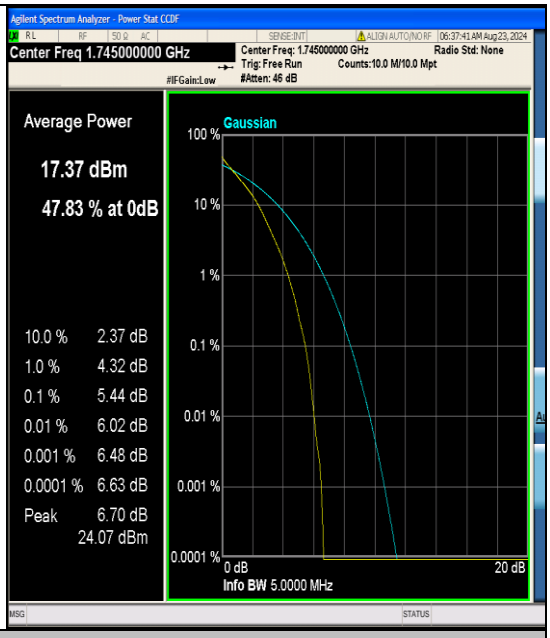
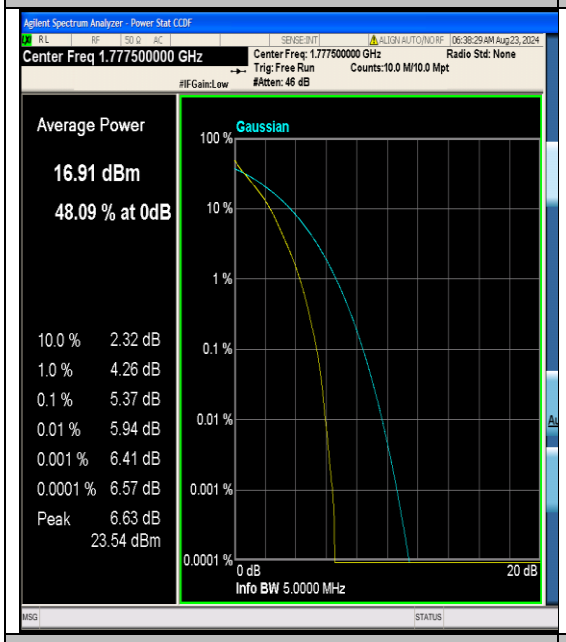


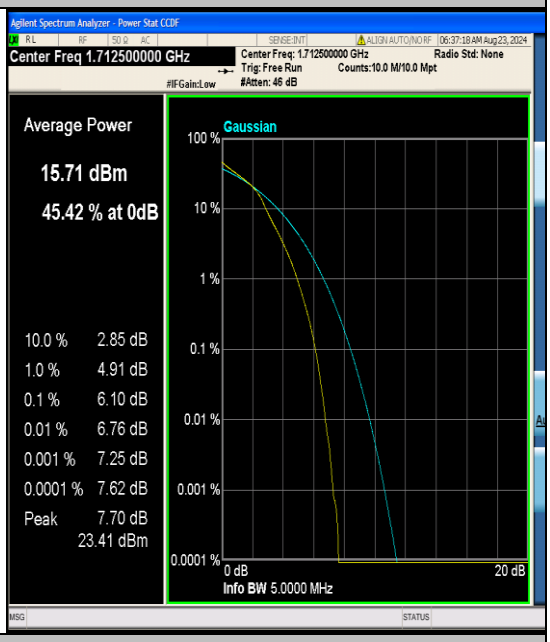
Band66-5MHz-QPSK-131997-25RB#0-PASS



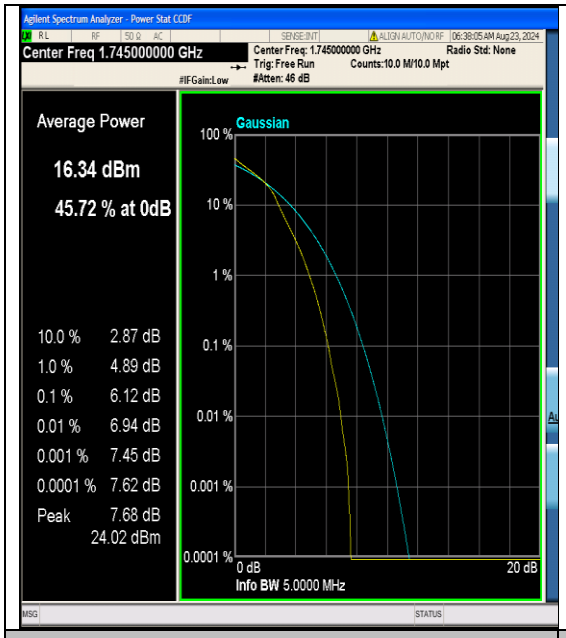
Band66-5MHz-QPSK-132322-25RB#0-PASS



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



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



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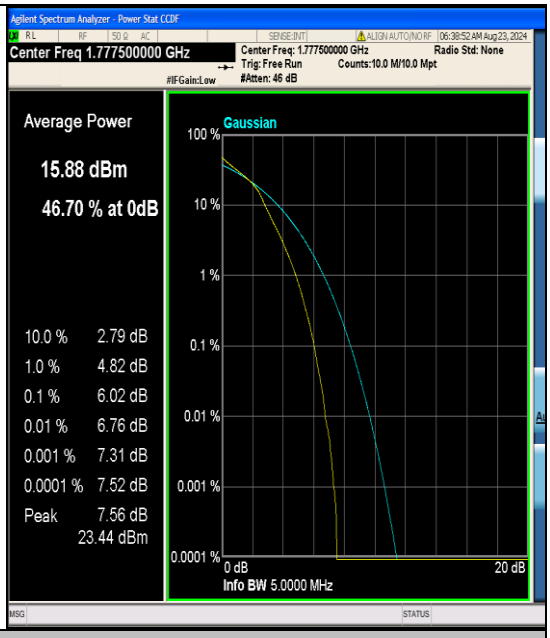
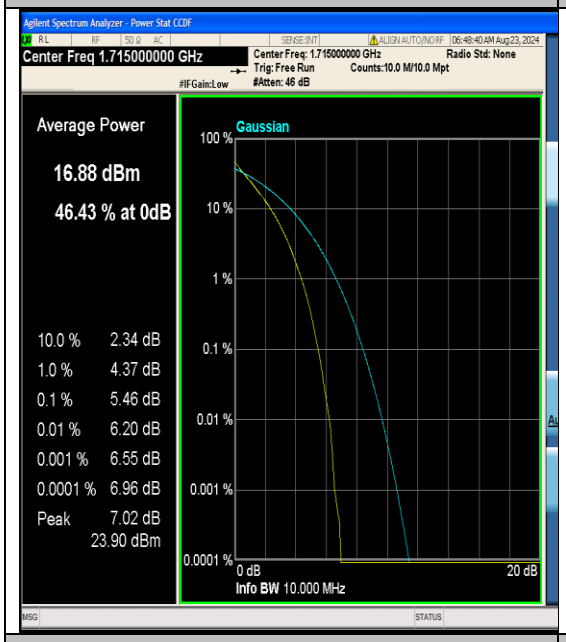
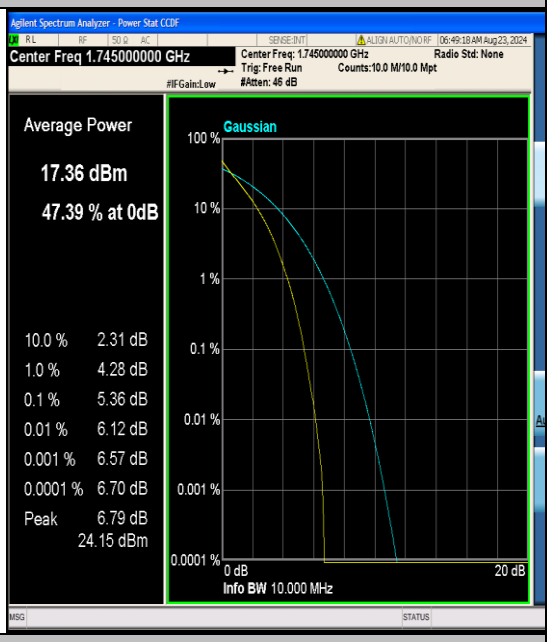


Band66-5MHz-16QAM-132647-25RB#0-PASS



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



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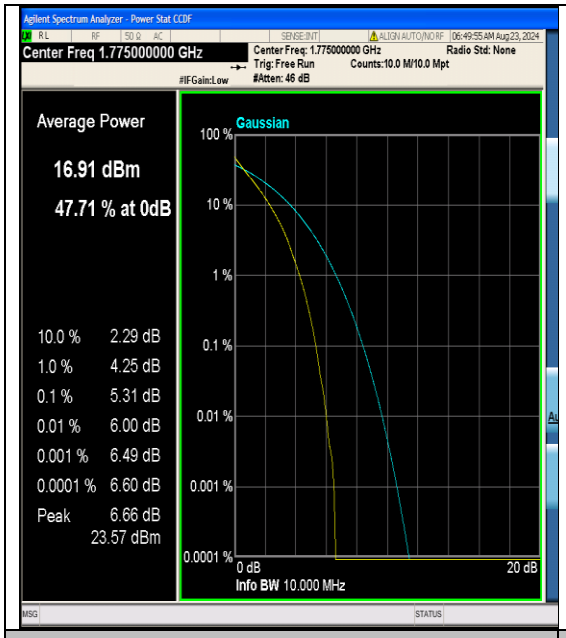
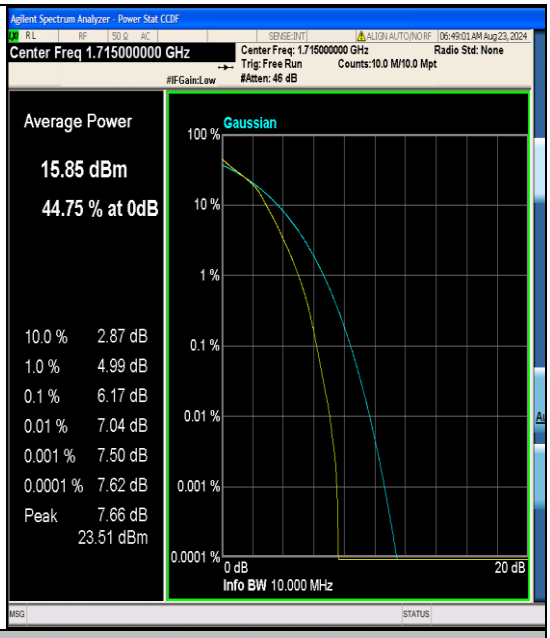
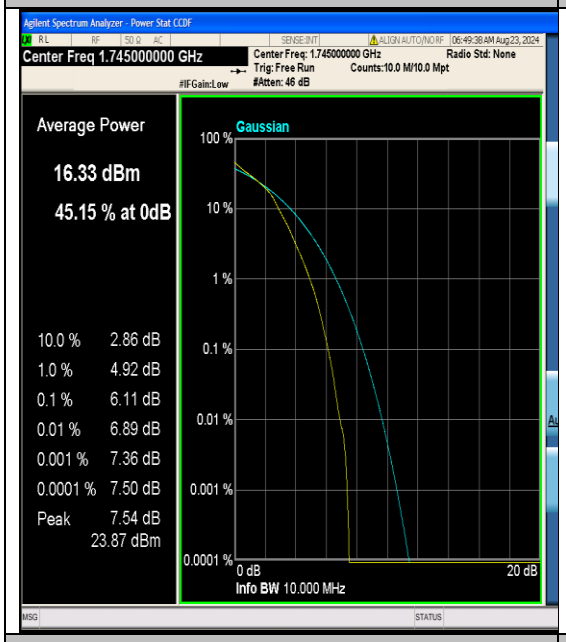


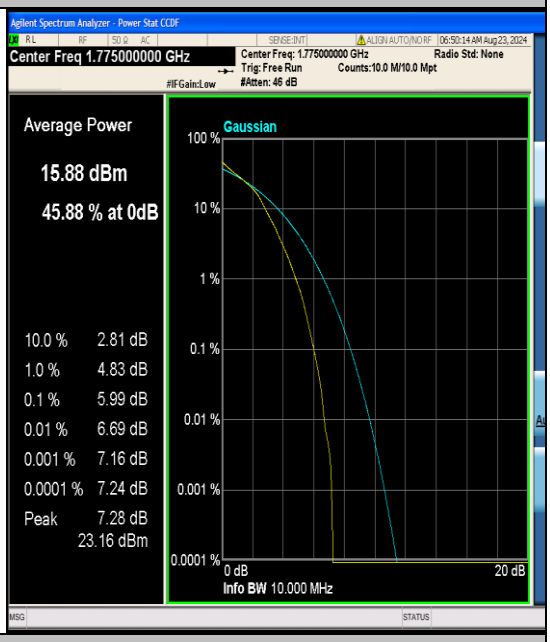
Band66-10MHz-QPSK-132622-50RB#0-PASS



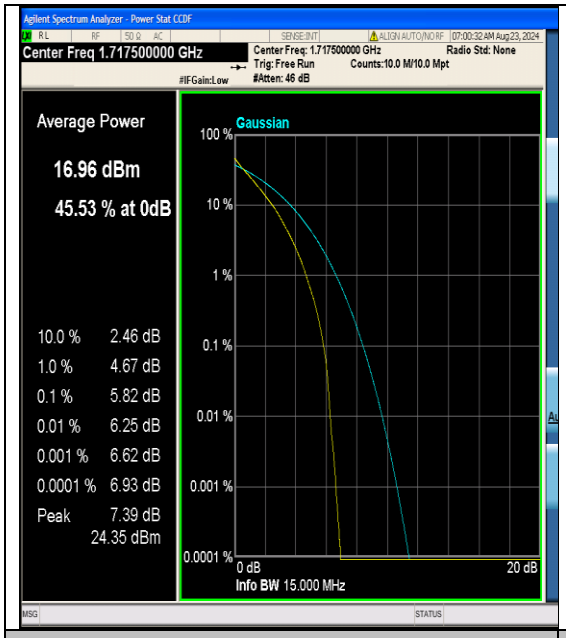
Band66-10MHz-16QAM-132022-50RB#0-PASS



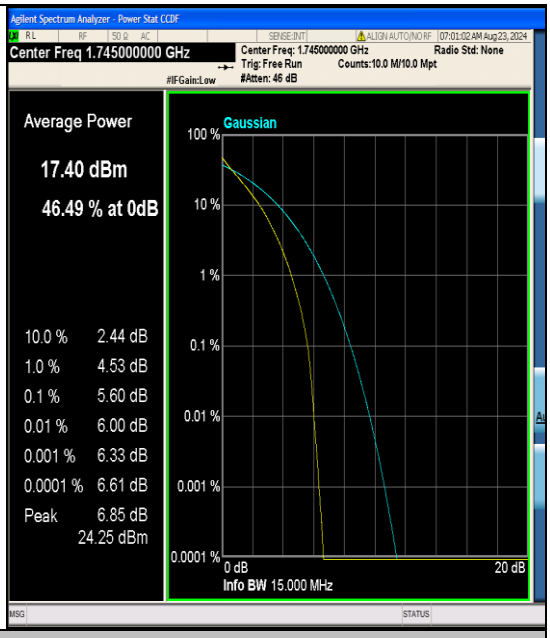
Band66-10MHz-16QAM-132322-50RB#0-PASS



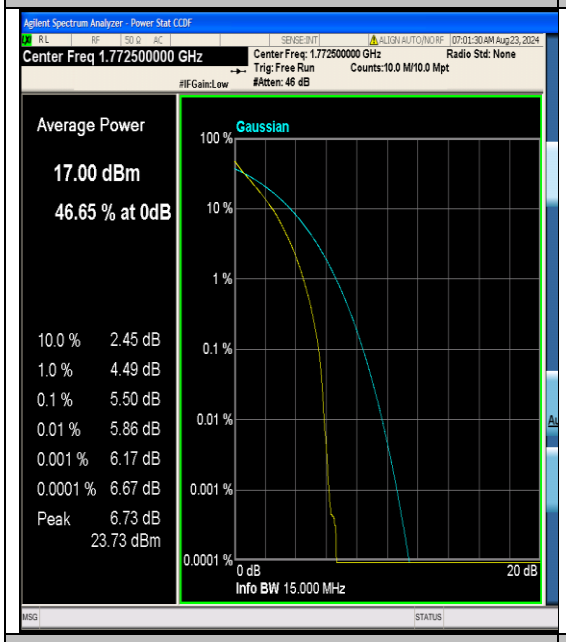
Band66-10MHz-16QAM-132622-50RB#0-PASS



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



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



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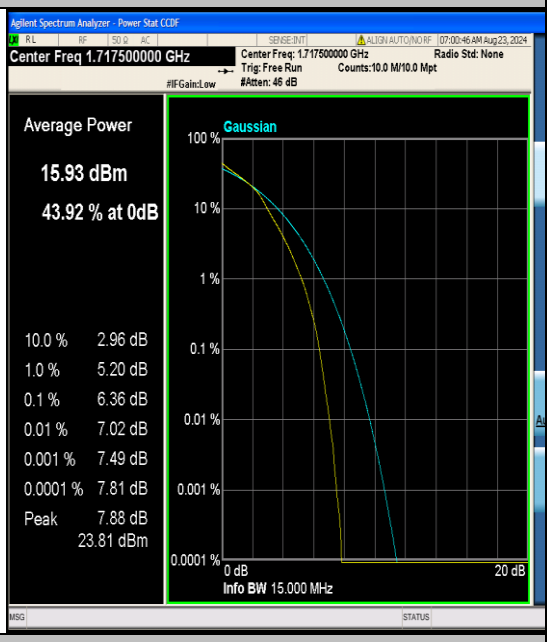
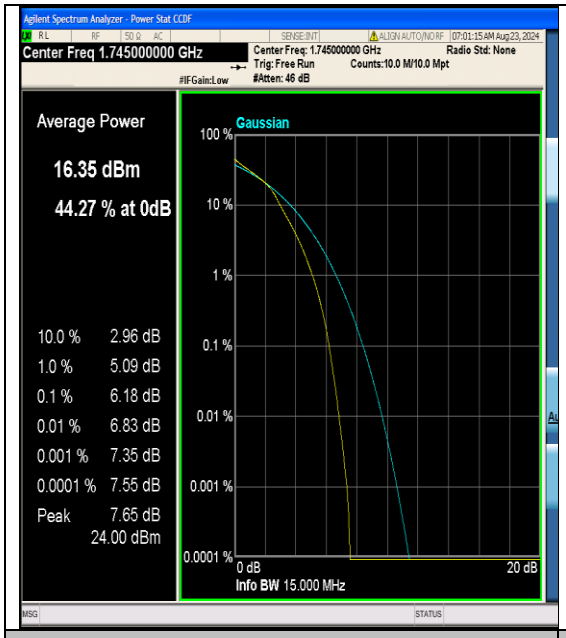
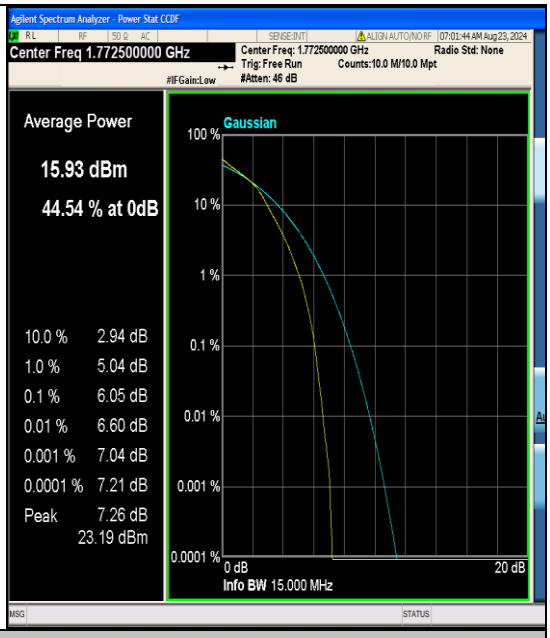


Band66-15MHz-16QAM-132047-75RB#0-PASS



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



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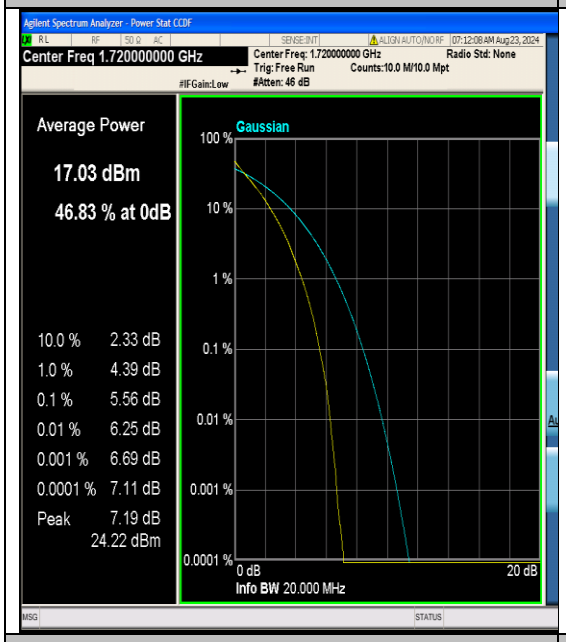
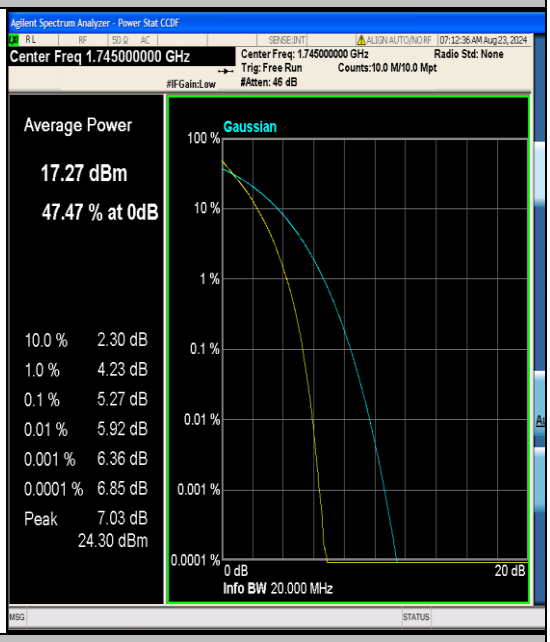
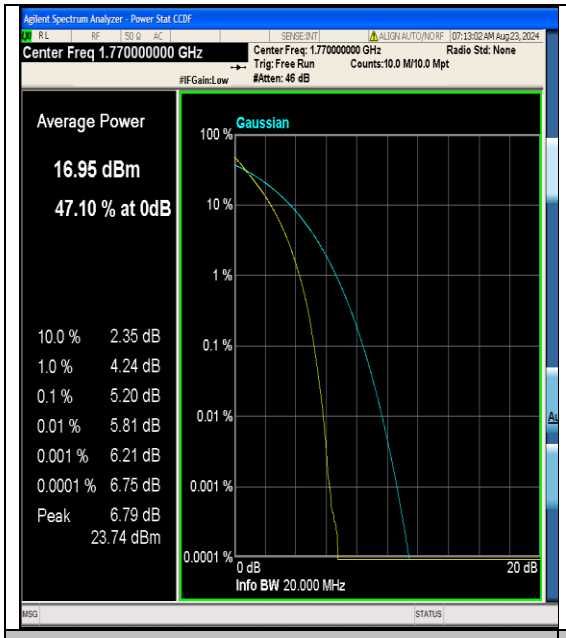


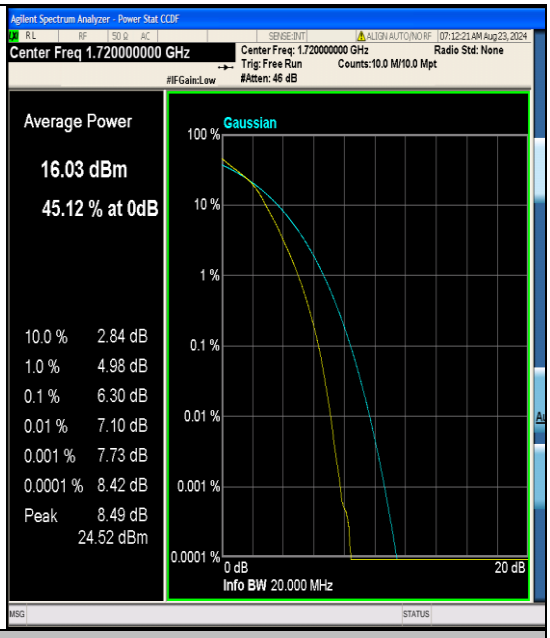
Band66-20MHz-QPSK-132072-100RB#0-PASS



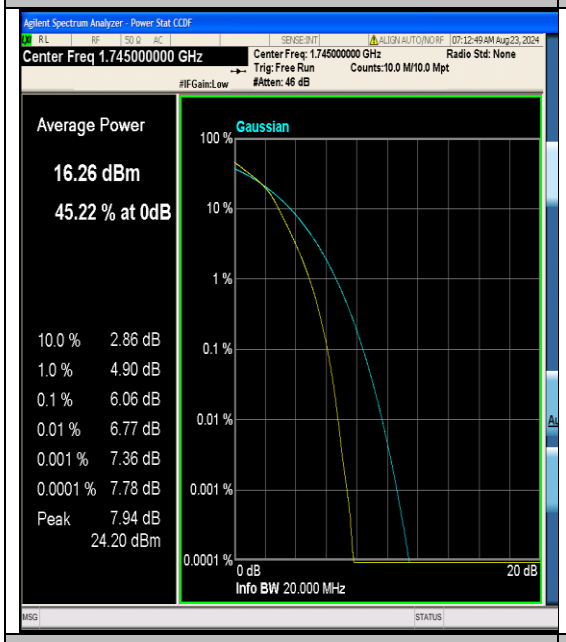
Band66-20MHz-QPSK-132322-100RB#0-PASS



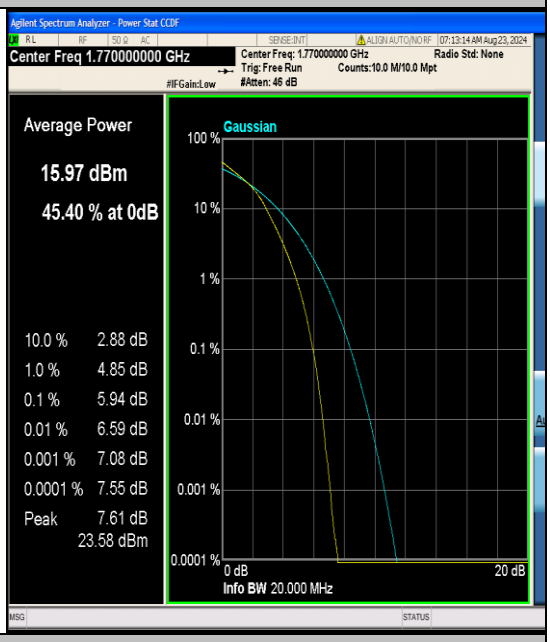
Band66-20MHz-QPSK-132572-100RB#0-PASS



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



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



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

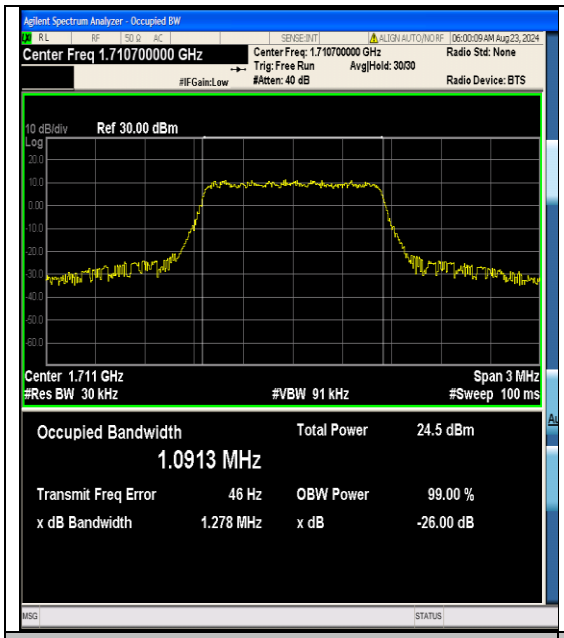
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

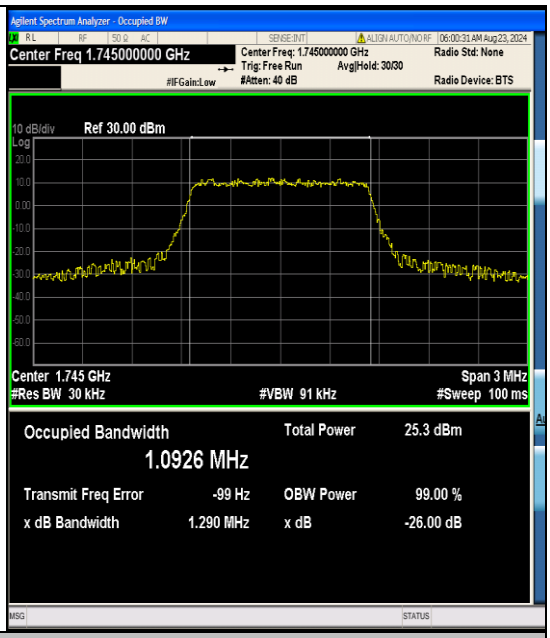
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.0913	1.278	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.0926	1.290	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.0898	1.299	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.0957	1.306	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.0965	1.301	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.0953	1.314	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.6840	2.897	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.6898	2.888	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.6908	2.905	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.6748	2.889	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.6852	2.895	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.6786	2.890	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.5293	5.733	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.5207	5.204	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.5209	5.206	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.5166	5.142	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.5253	5.484	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.5200	5.183	PASS
Band66	10MHz	QPSK	132022	50RB#0	9.0131	10.20	PASS
Band66	10MHz	QPSK	132322	50RB#0	9.0132	10.15	PASS
Band66	10MHz	QPSK	132622	50RB#0	9.0291	10.20	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.9915	10.01	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.9982	10.07	PASS
Band66	10MHz	16QAM	132622	50RB#0	9.0110	10.06	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.563	15.11	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.497	15.14	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.584	15.19	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.526	15.00	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.503	15.00	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.528	15.12	PASS
Band66	20MHz	QPSK	132072	100RB#0	18.010	19.83	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.941	19.67	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.995	19.87	PASS
Band66	20MHz	16QAM	132072	100RB#0	18.076	19.77	PASS

Band66	20MHz	16QAM	132322	100RB#0	18.003	19.63	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.996	19.71	PASS

Test Graphs



Band66-1.4MHz-QPSK-131979-6RB#0-PASS



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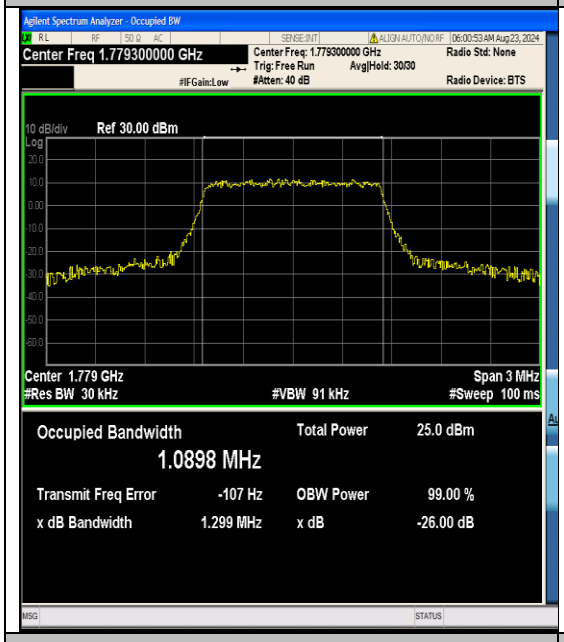

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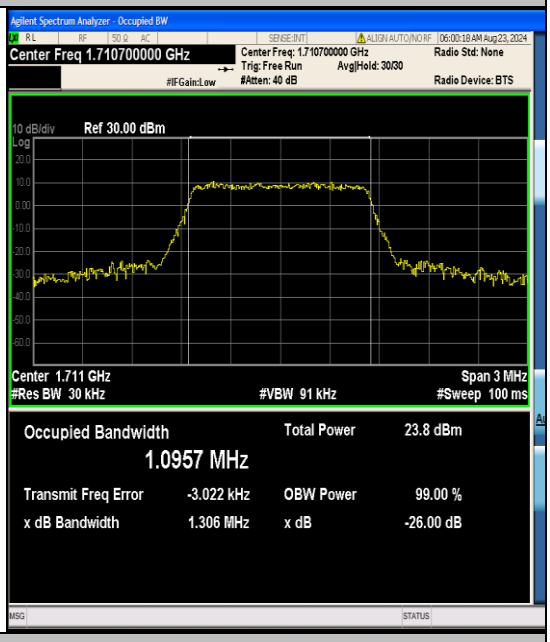

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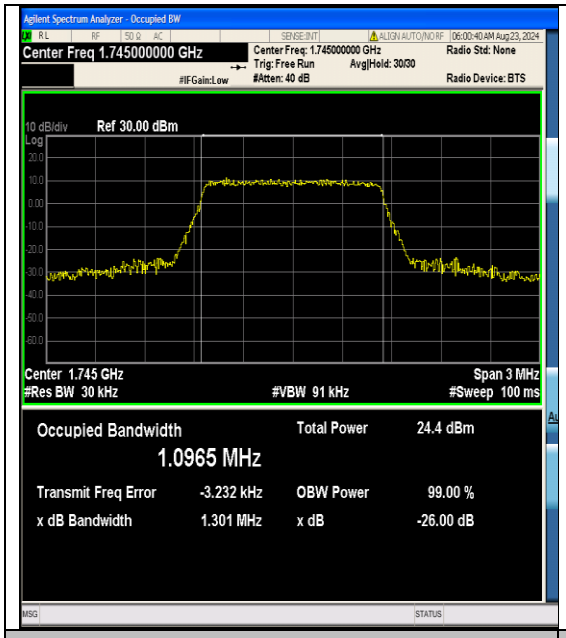

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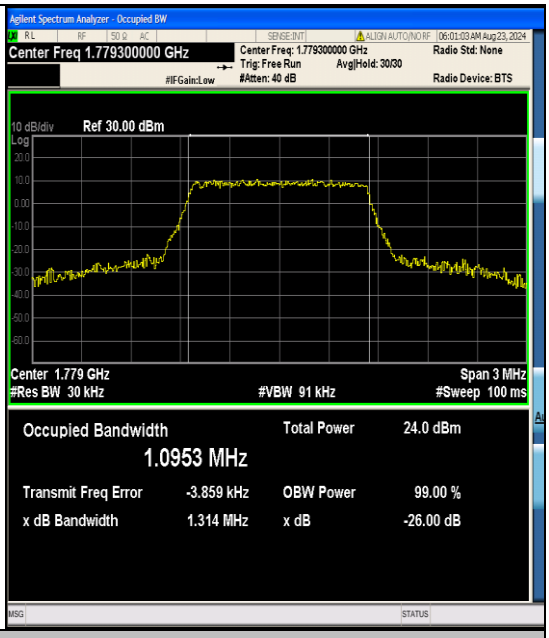

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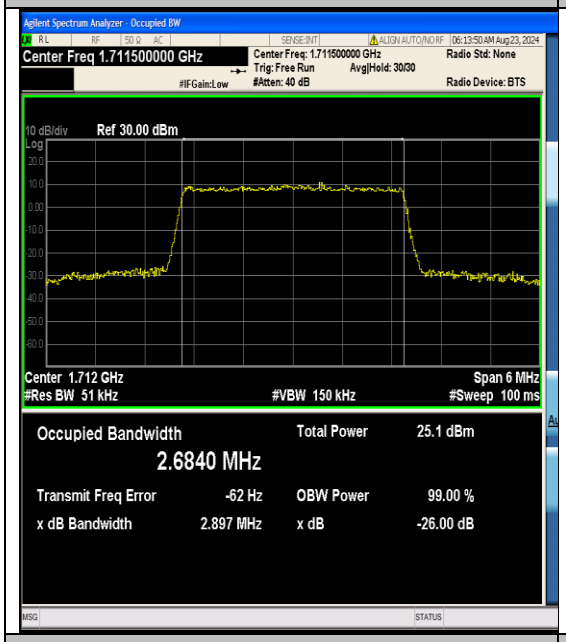

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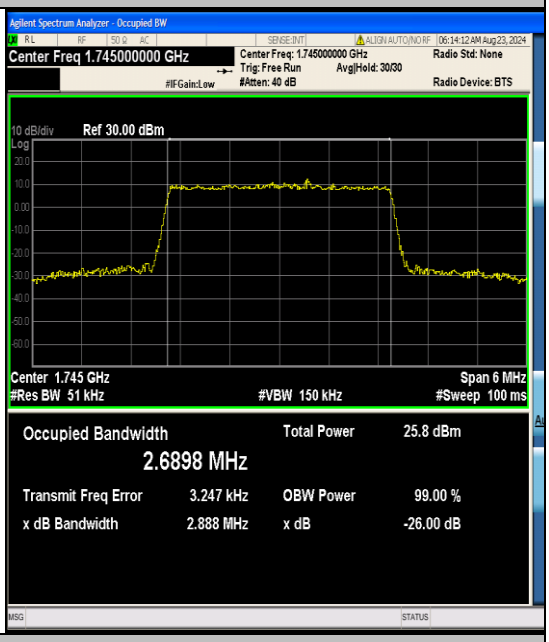

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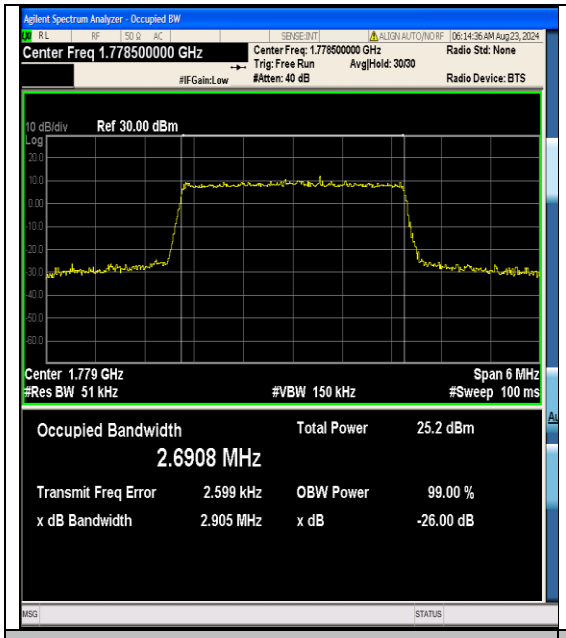

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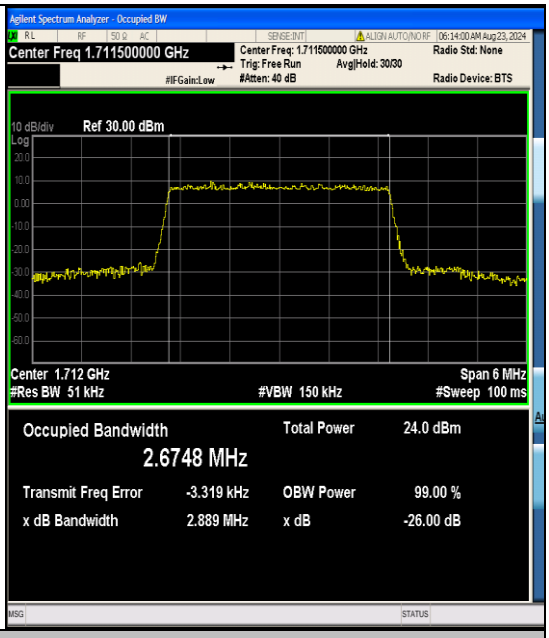

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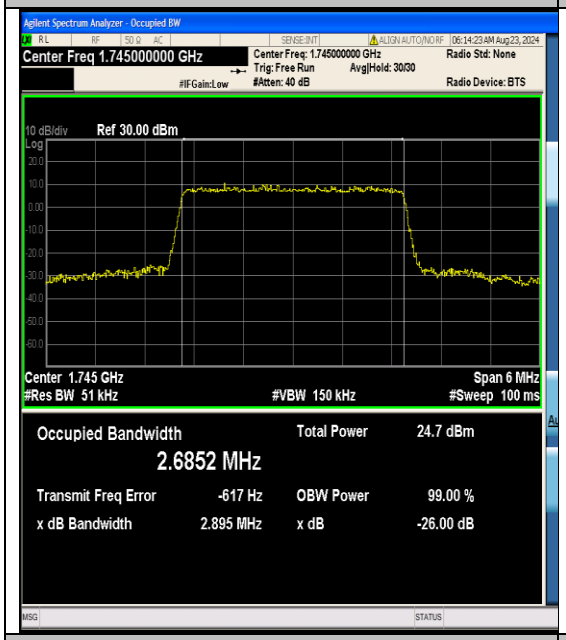

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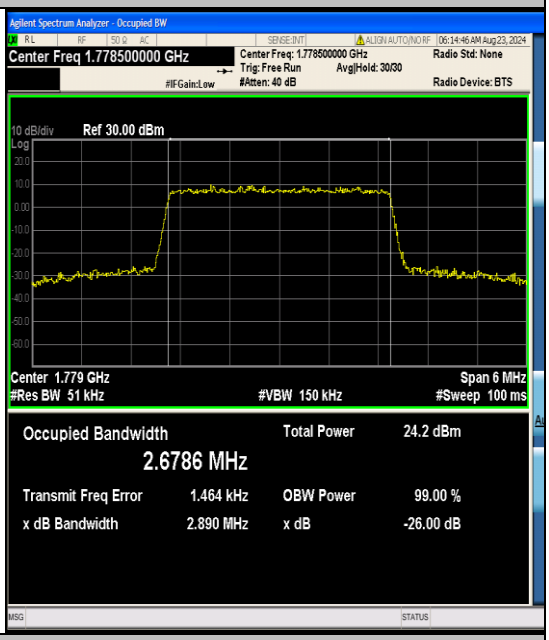

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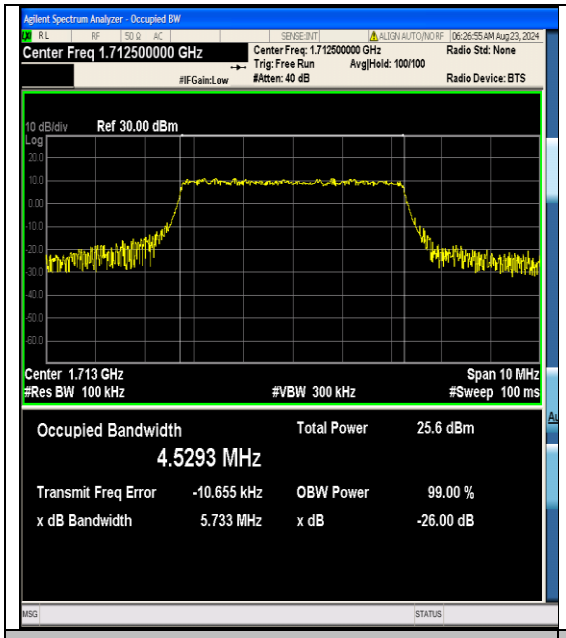
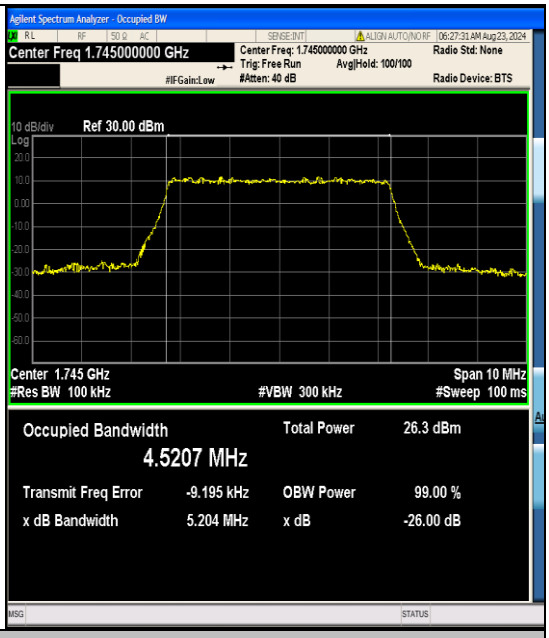


Band66-5MHz-QPSK-131997-25RB#0-PASS



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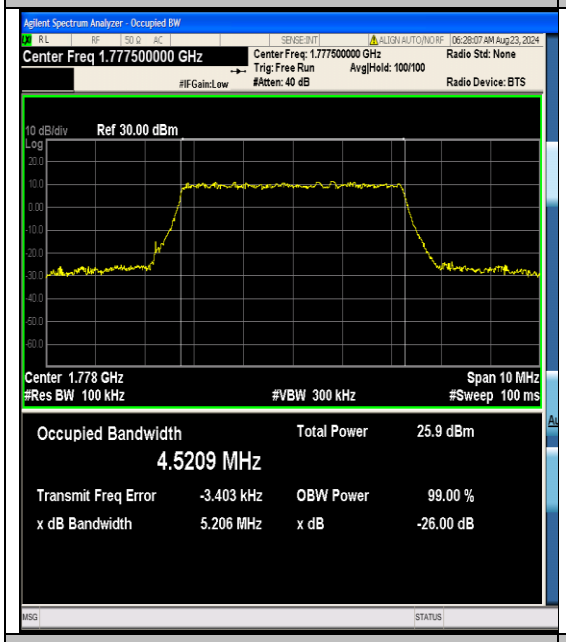

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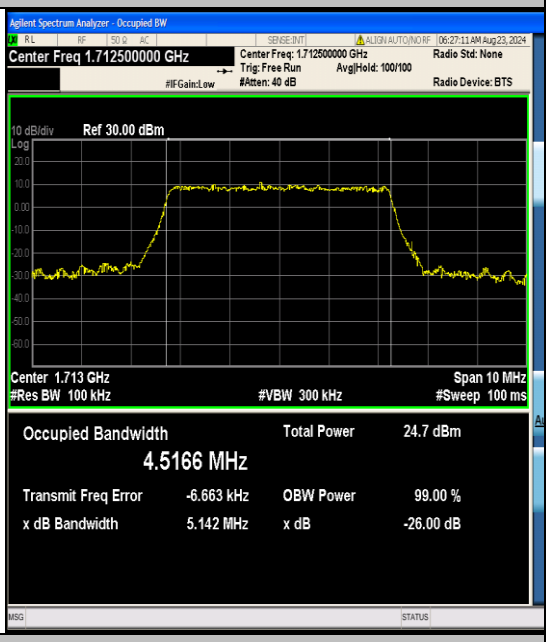

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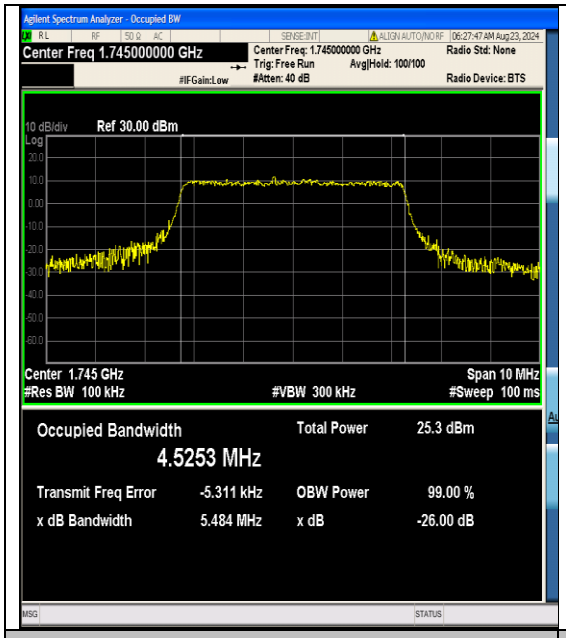

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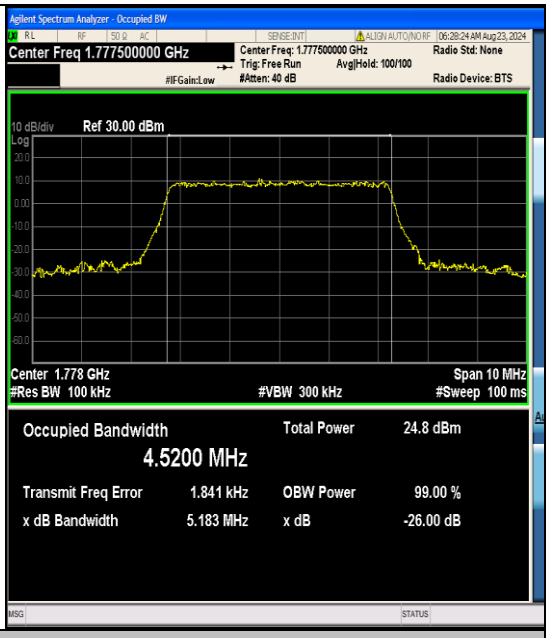

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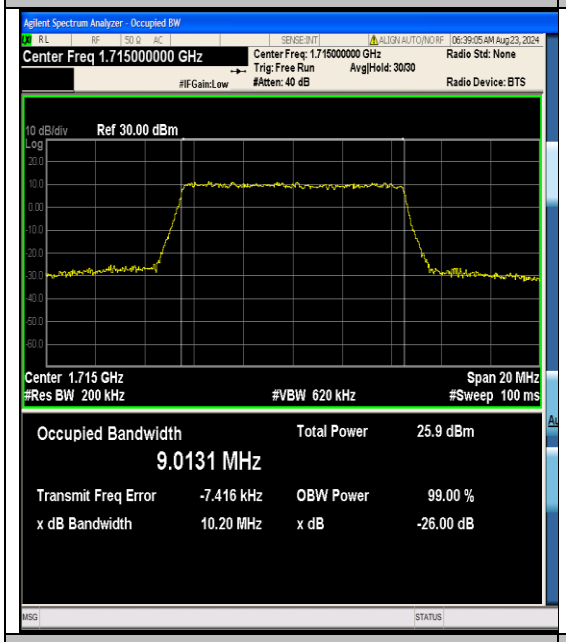
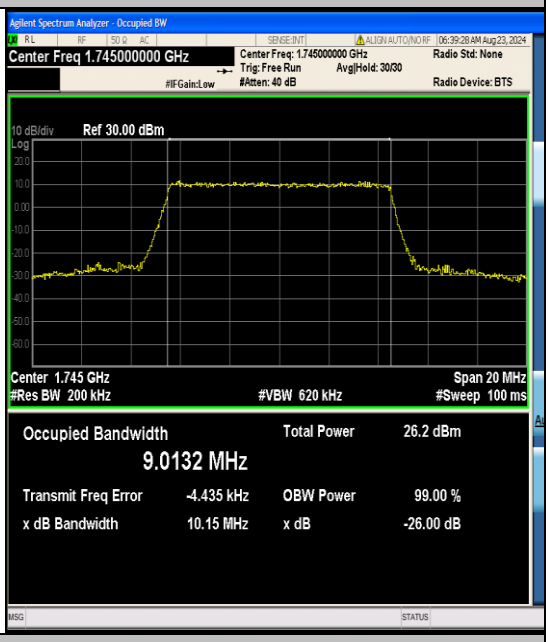


Band66-10MHz-QPSK-132022-50RB#0-PASS



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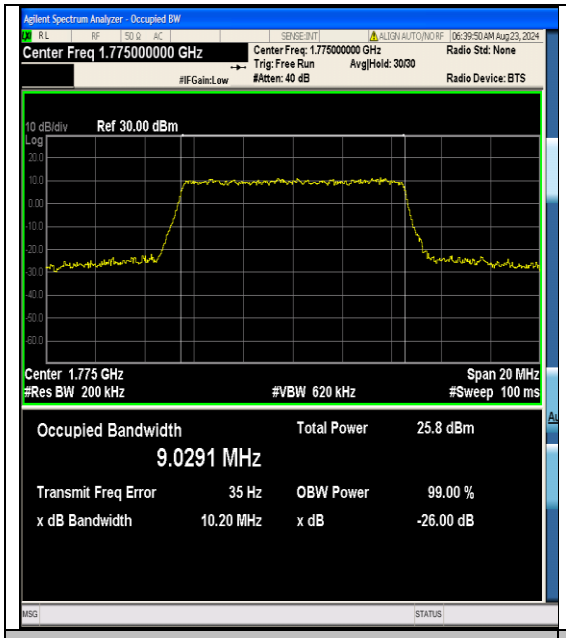

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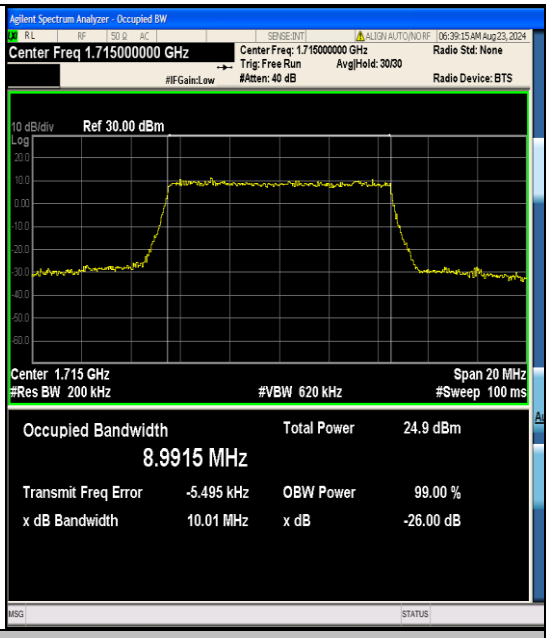

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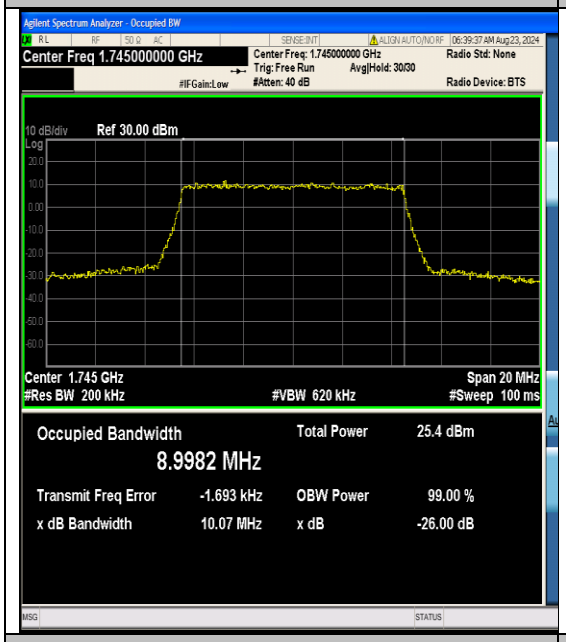

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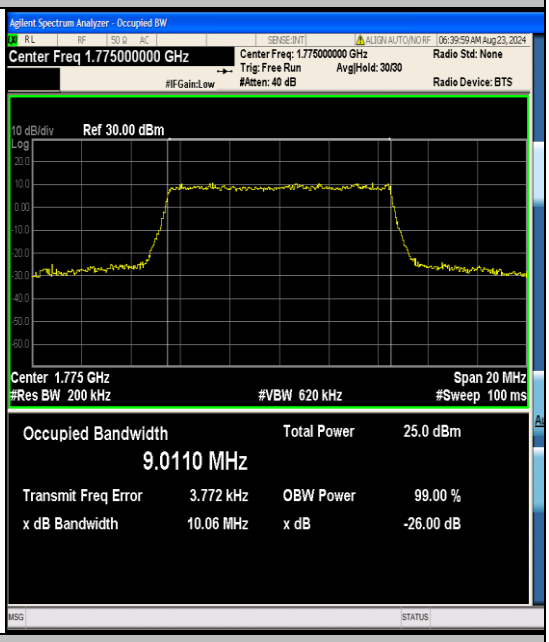

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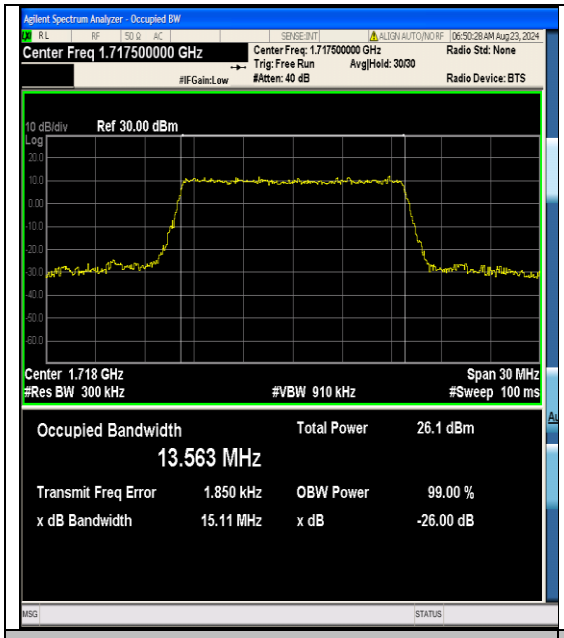
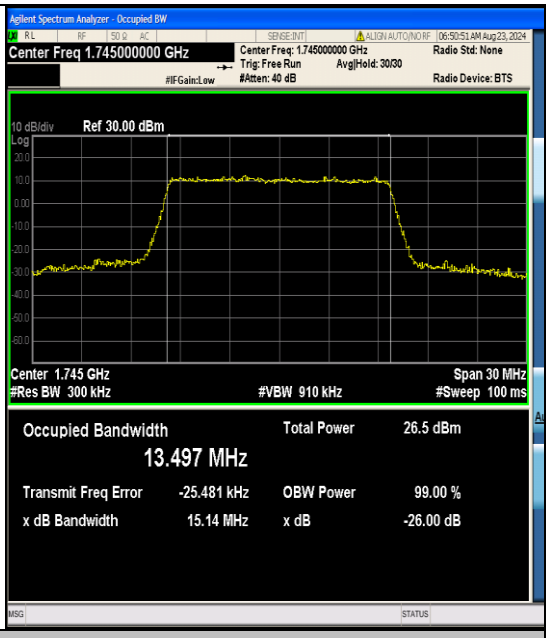
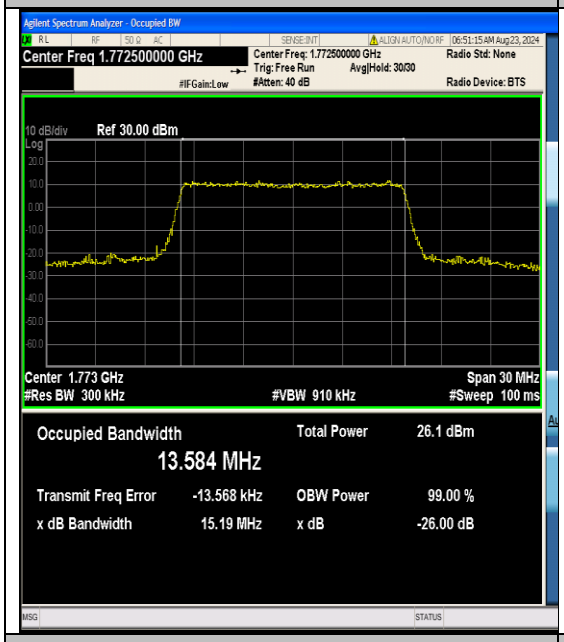


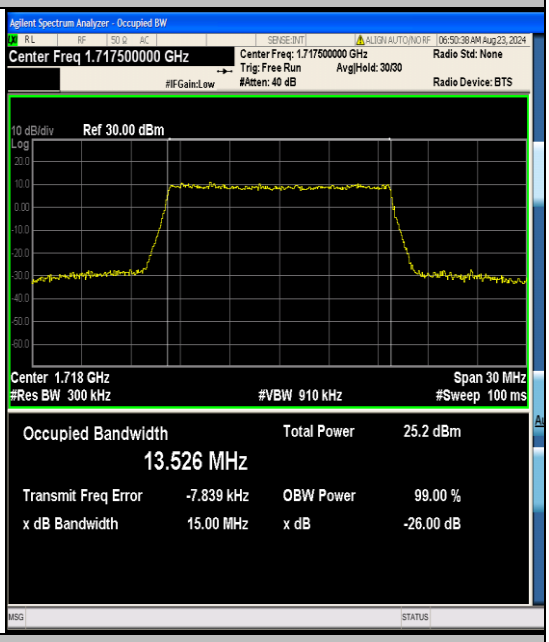
Band66-15MHz-QPSK-132047-75RB#0-PASS



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



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



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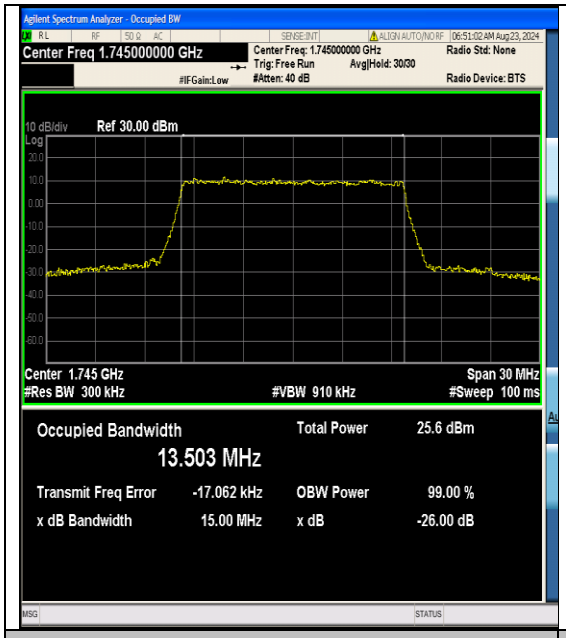

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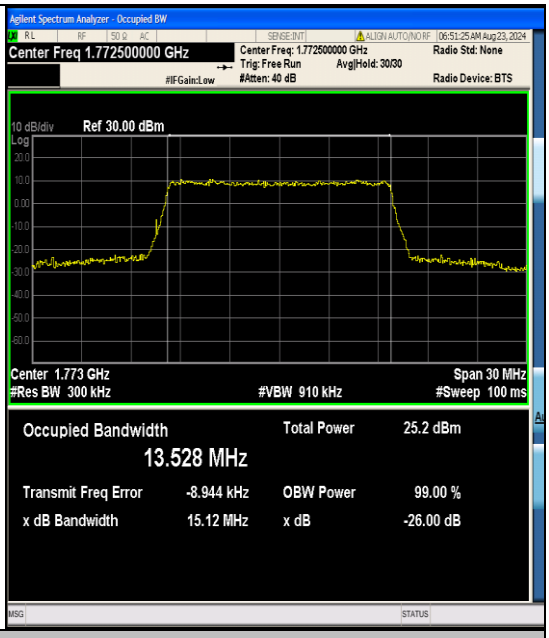

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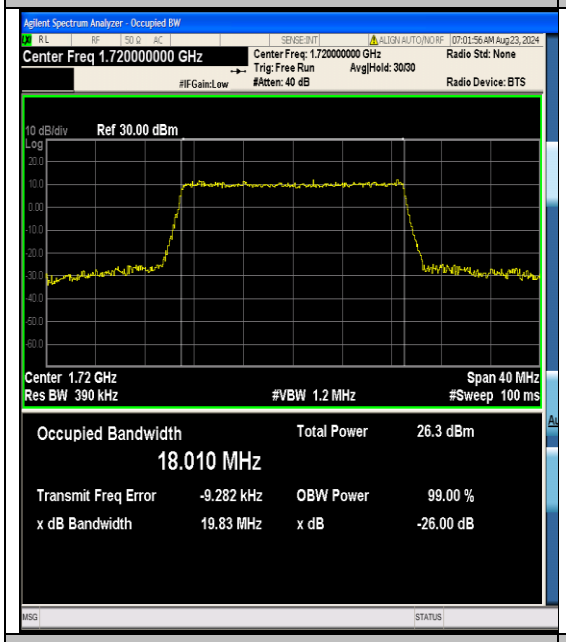
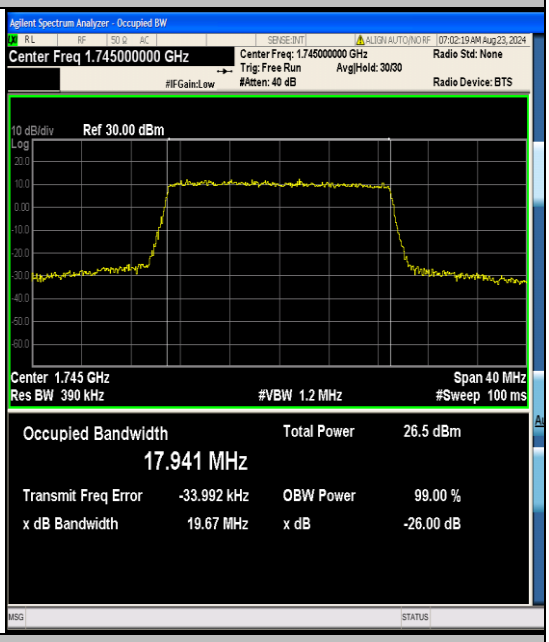


Band66-20MHz-QPSK-132072-100RB#0-PASS



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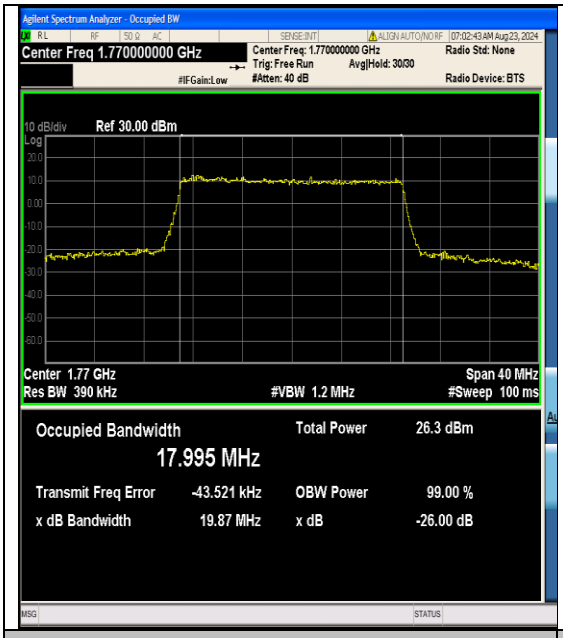

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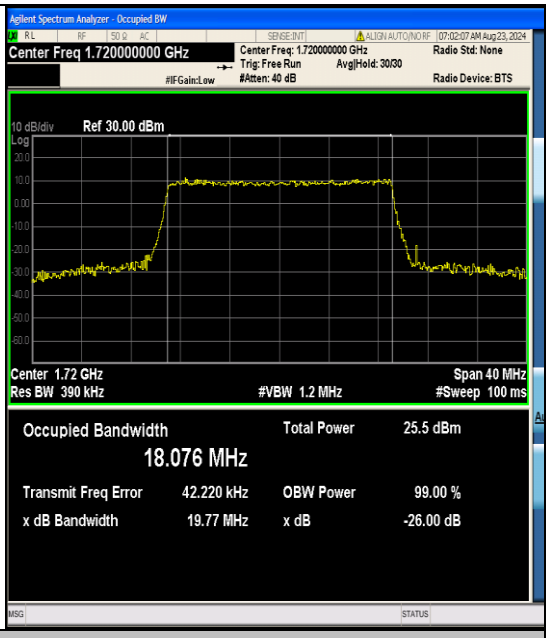

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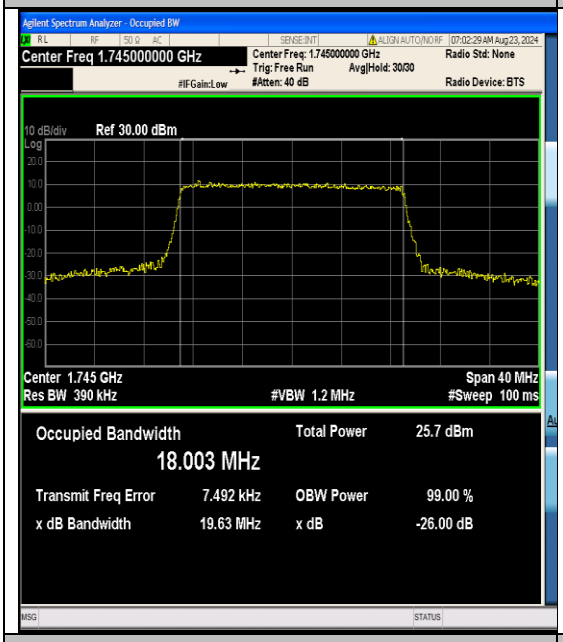
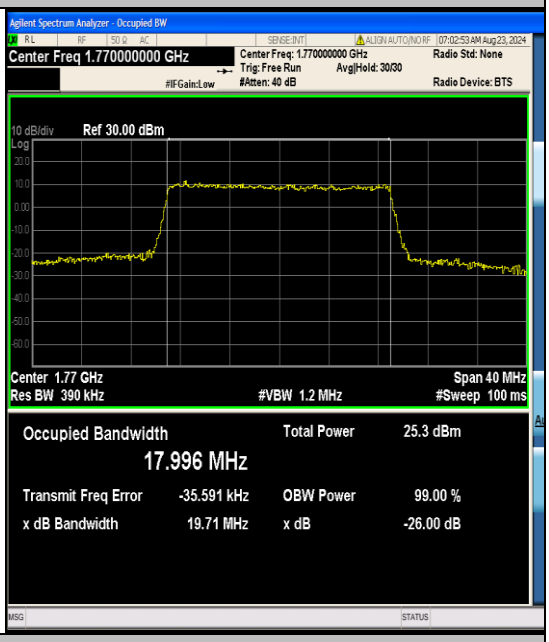


Band66-20MHz-16QAM-132322-100RB#0-PASS



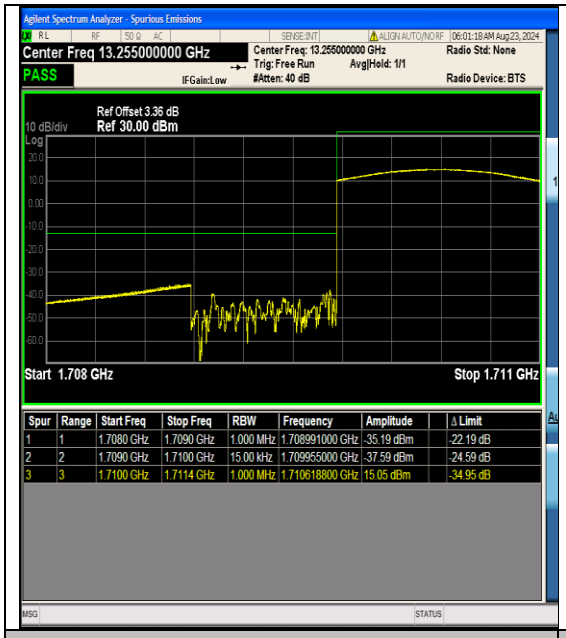
Band66-20MHz-16QAM-132572-100RB#0-PASS

Appendix D: Band Edge

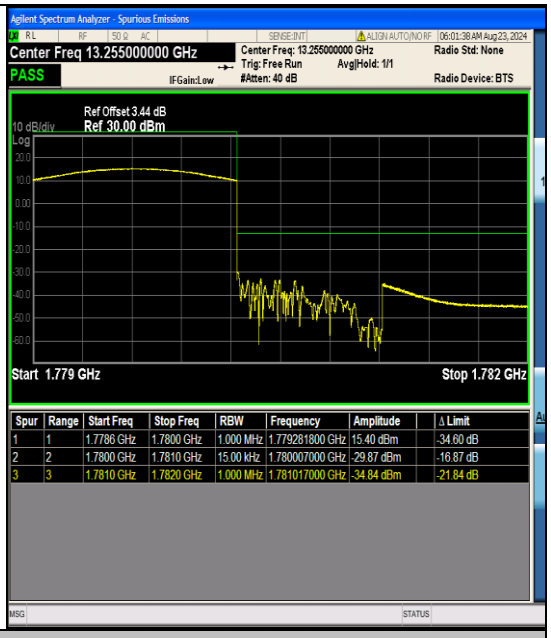
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	-35.19	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	-29.87	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	-35.26	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	-31.46	PASS
Band66	3MHz	QPSK	131987	15RB#0	-35.21	PASS
Band66	3MHz	QPSK	132657	15RB#0	-29.77	PASS
Band66	3MHz	16QAM	131987	15RB#0	-34.46	PASS
Band66	3MHz	16QAM	132657	15RB#0	-31.71	PASS
Band66	5MHz	QPSK	131997	25RB#0	-35.48	PASS
Band66	5MHz	QPSK	132647	25RB#0	-30.65	PASS
Band66	5MHz	16QAM	131997	25RB#0	-35.02	PASS
Band66	5MHz	16QAM	132647	25RB#0	-32.93	PASS
Band66	10MHz	QPSK	132022	50RB#0	-37.73	PASS
Band66	10MHz	QPSK	132622	50RB#0	-32.68	PASS
Band66	10MHz	16QAM	132022	50RB#0	-37.67	PASS
Band66	10MHz	16QAM	132622	50RB#0	-35.82	PASS
Band66	15MHz	QPSK	132047	75RB#0	-36.02	PASS
Band66	15MHz	QPSK	132597	75RB#0	-31.05	PASS
Band66	15MHz	16QAM	132047	75RB#0	-37.74	PASS
Band66	15MHz	16QAM	132597	75RB#0	-35.38	PASS
Band66	20MHz	QPSK	132072	100RB#0	-36.17	PASS
Band66	20MHz	QPSK	132572	100RB#0	-33.22	PASS
Band66	20MHz	16QAM	132072	100RB#0	-37.53	PASS
Band66	20MHz	16QAM	132572	100RB#0	-36.50	PASS

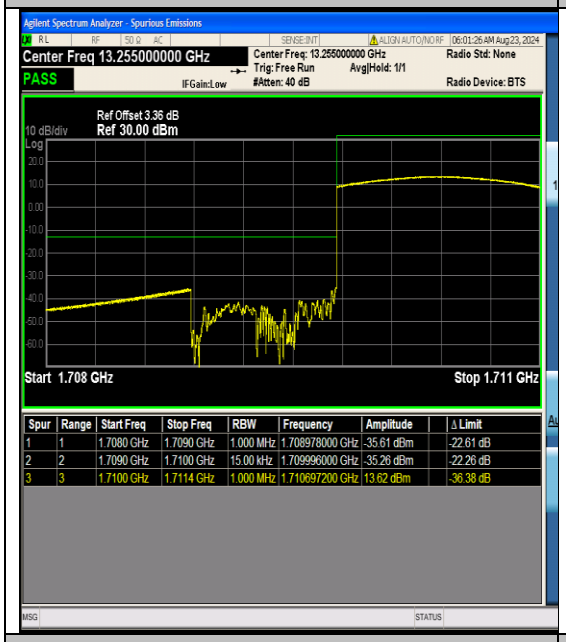
Test Graphs



Band66_1.4MHz_QPSK_131979_6RB#0

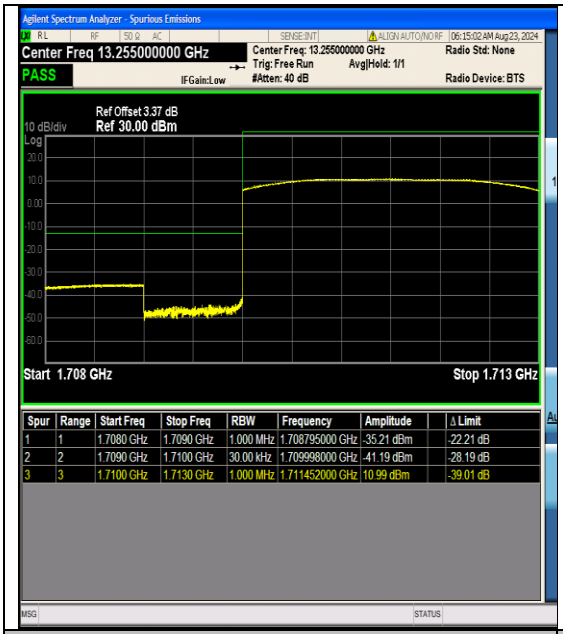


Band66_1.4MHz_QPSK_132665_6RB#0

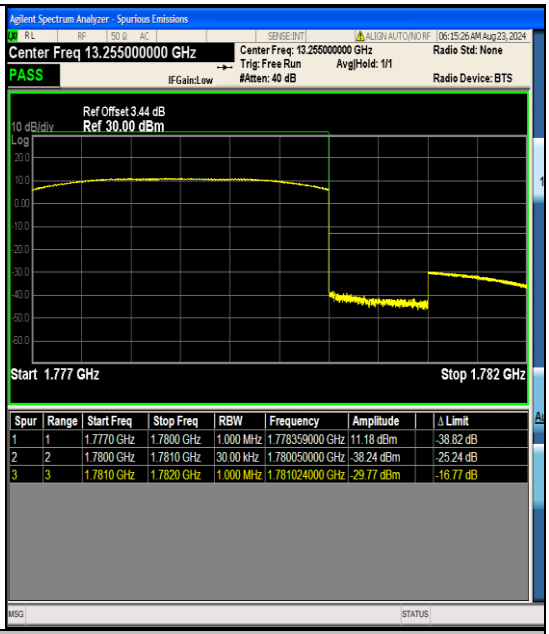


Band66_1.4MHz_16QAM_131979_6RB#0

Band66_1.4MHz_16QAM_132665_6RB#0



Band66_3MHz_QPSK_131987_15RB#0



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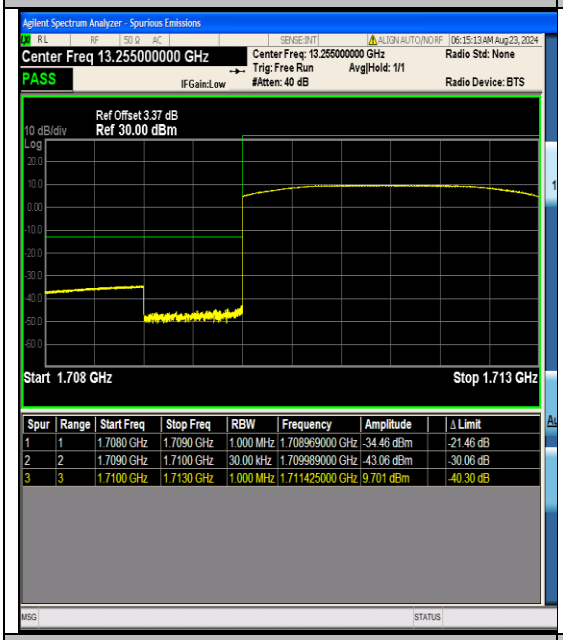
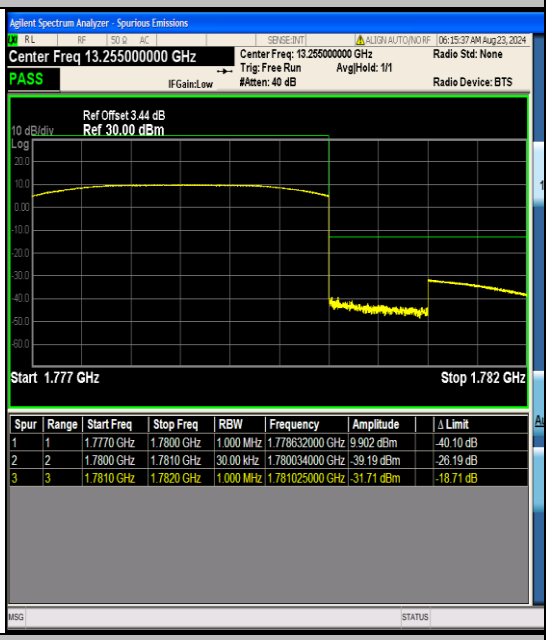


Band66_3MHz_16QAM_131987_15RB#0



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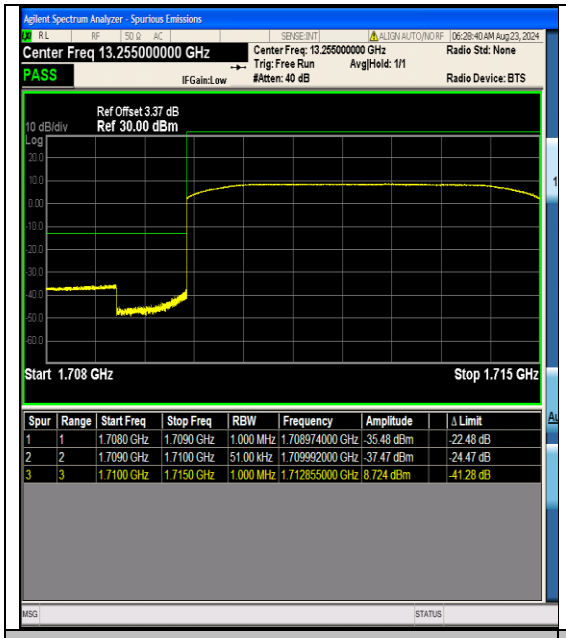
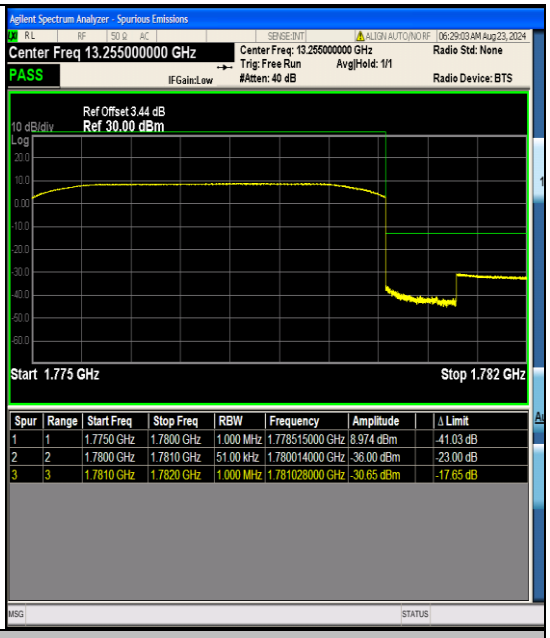


Band66_5MHz_QPSK_131997_25RB#0



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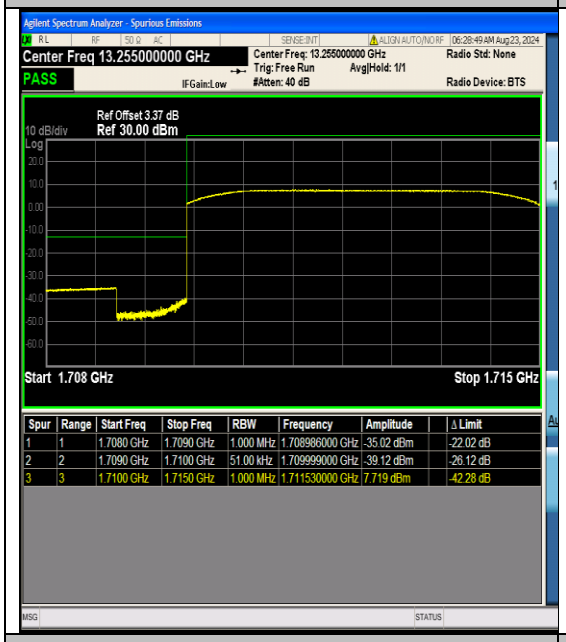
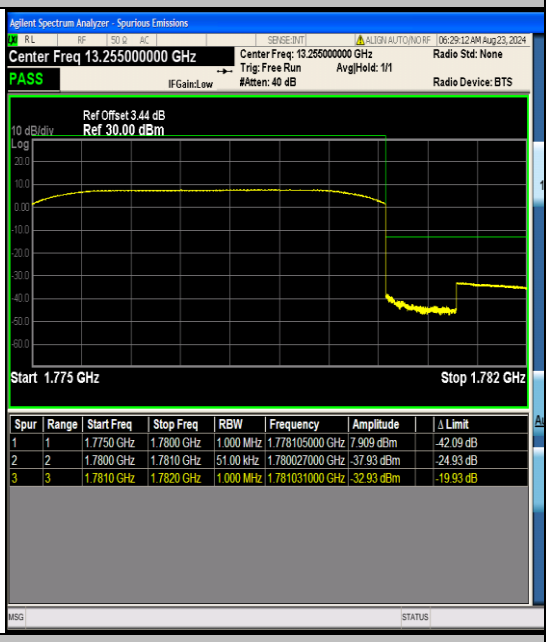


Band66_5MHz_16QAM_131997_25RB#0



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