

FCC LTE Band66 Test Data

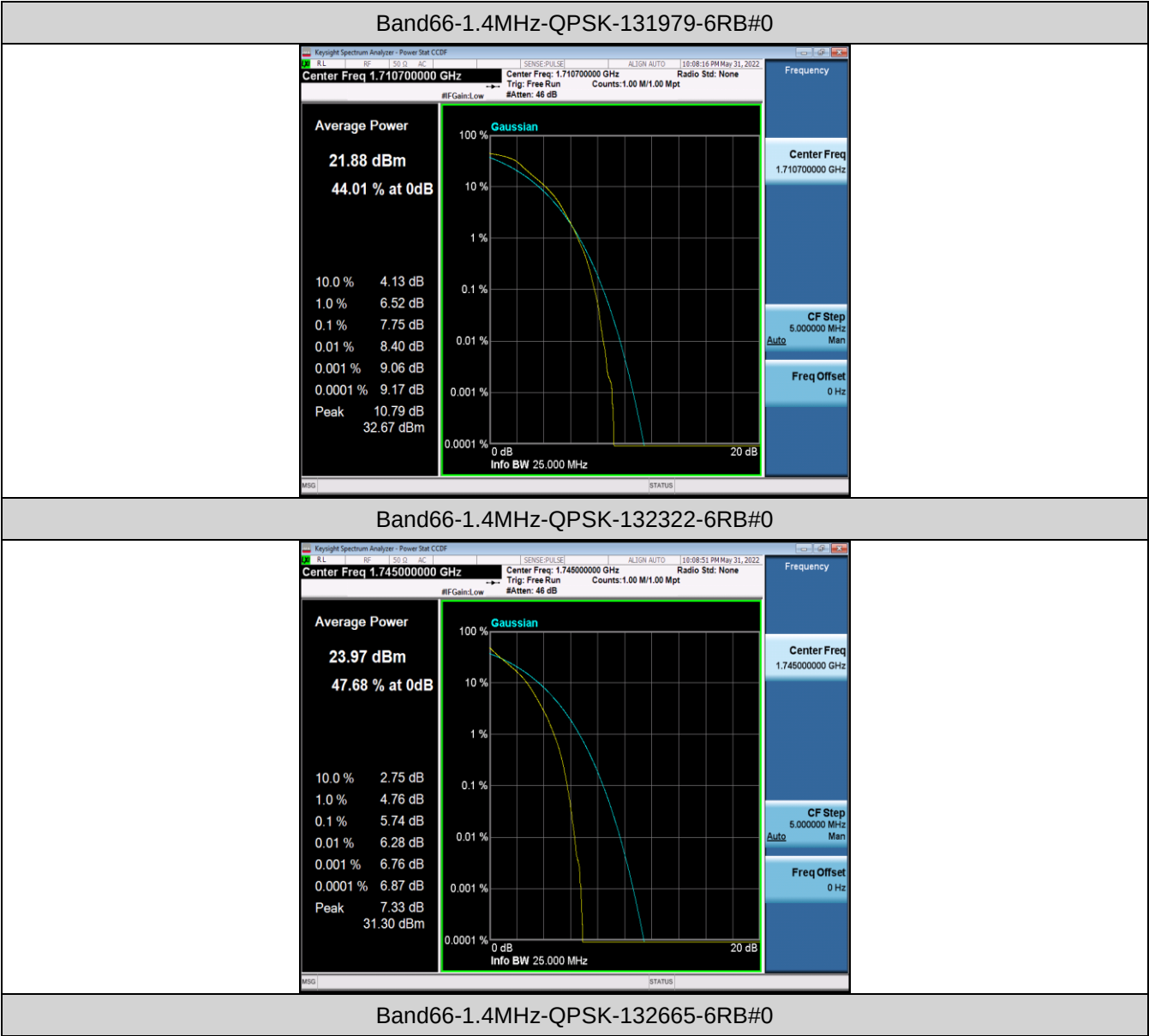
Appendix B: Peak-to-Average Ratio(CCDF)

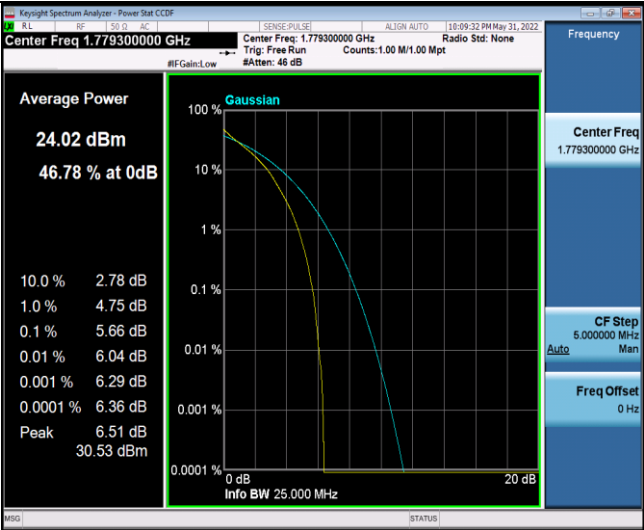
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	7.75	13	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	5.74	13	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	5.66	13	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	7.33	13	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	7.35	13	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	7.68	13	PASS
Band66	3MHz	QPSK	131987	15RB#0	5.94	13	PASS
Band66	3MHz	QPSK	132322	15RB#0	5.88	13	PASS
Band66	3MHz	QPSK	132657	15RB#0	6.55	13	PASS
Band66	3MHz	16QAM	131987	15RB#0	8.14	13	PASS
Band66	3MHz	16QAM	132322	15RB#0	7.28	13	PASS
Band66	3MHz	16QAM	132657	15RB#0	6.58	13	PASS
Band66	5MHz	QPSK	131997	25RB#0	6.01	13	PASS
Band66	5MHz	QPSK	132322	25RB#0	5.90	13	PASS
Band66	5MHz	QPSK	132647	25RB#0	8.36	13	PASS
Band66	5MHz	16QAM	131997	25RB#0	8.35	13	PASS
Band66	5MHz	16QAM	132322	25RB#0	8.28	13	PASS
Band66	5MHz	16QAM	132647	25RB#0	8.40	13	PASS
Band66	10MHz	QPSK	132022	50RB#0	4.13	13	PASS
Band66	10MHz	QPSK	132322	50RB#0	3.92	13	PASS
Band66	10MHz	QPSK	132622	50RB#0	3.00	13	PASS
Band66	10MHz	16QAM	132022	50RB#0	4.02	13	PASS
Band66	10MHz	16QAM	132322	50RB#0	3.69	13	PASS
Band66	10MHz	16QAM	132622	50RB#0	4.49	13	PASS
Band66	15MHz	QPSK	132047	75RB#0	4.02	13	PASS
Band66	15MHz	QPSK	132322	75RB#0	5.02	13	PASS
Band66	15MHz	QPSK	132597	75RB#0	4.74	13	PASS
Band66	15MHz	16QAM	132047	75RB#0	6.33	13	PASS
Band66	15MHz	16QAM	132322	75RB#0	4.48	13	PASS

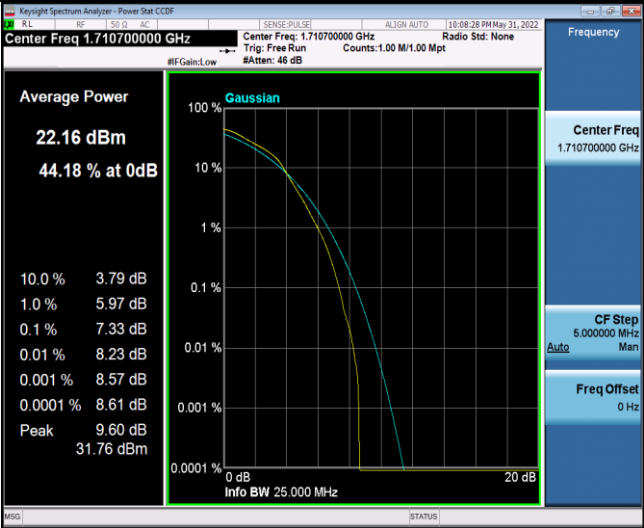
Band66	15MHz	16QAM	132597	75RB#0	5.38	13	PASS
Band66	20MHz	QPSK	132072	100RB#0	6.01	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.07	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	5.40	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	5.13	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	6.37	13	PASS
Band66	20MHz	16QAM	132572	100RB#0	5.22	13	PASS

Test Graphs

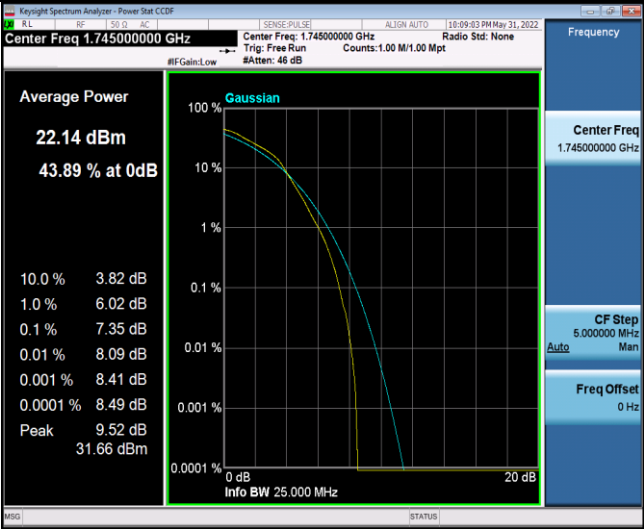




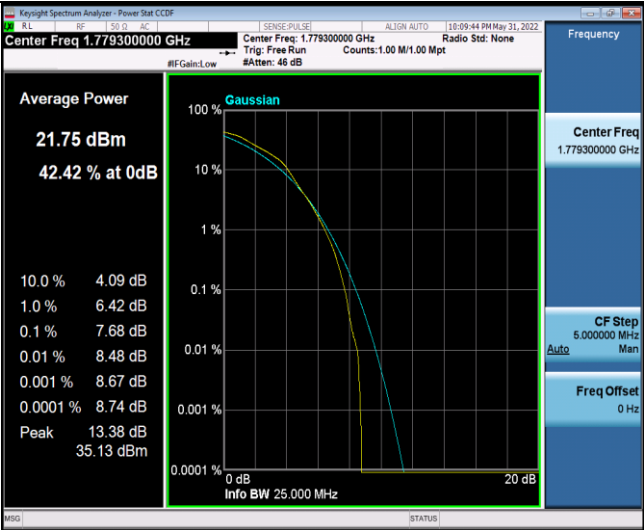
Band66-1.4MHz-16QAM-131979-6RB#0



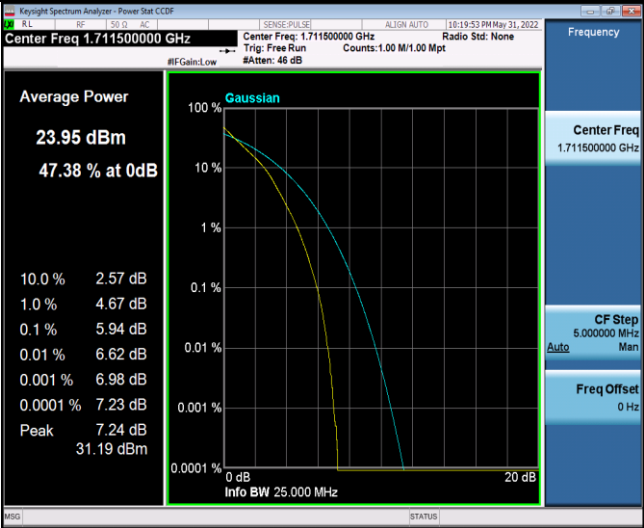
Band66-1.4MHz-16QAM-132322-6RB#0



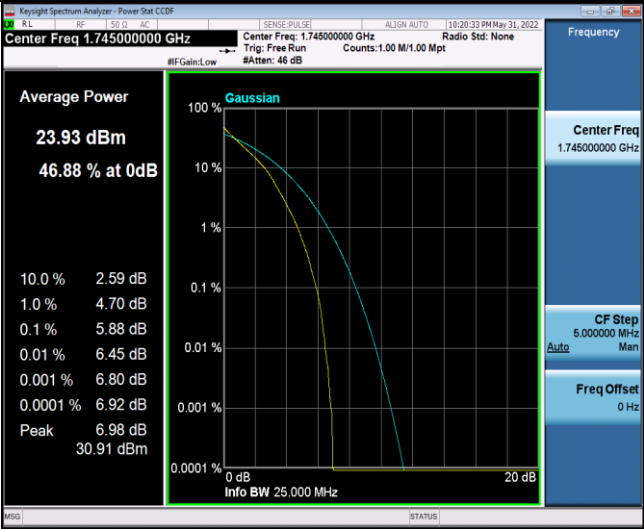
Band66-1.4MHz-16QAM-132665-6RB#0



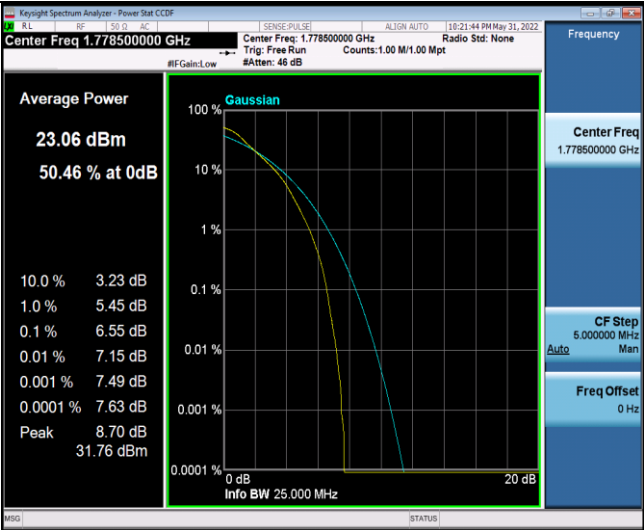
Band66-3MHz-QPSK-131987-15RB#0



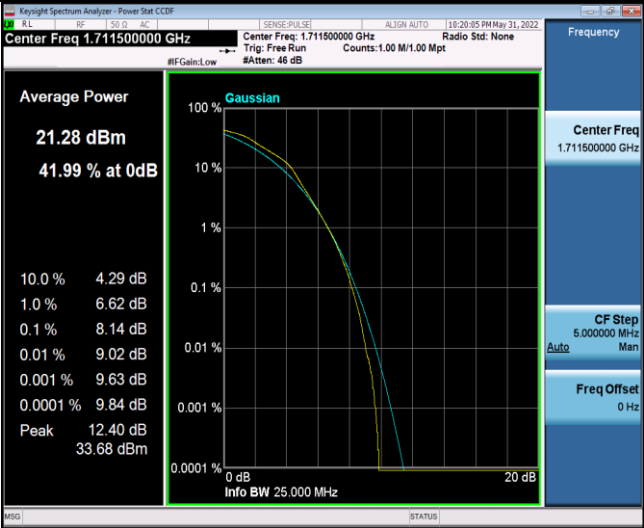
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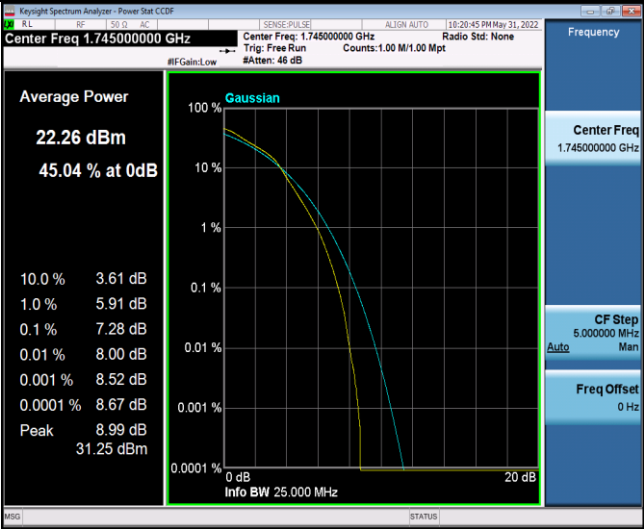
Band66-3MHz-QPSK-132657-15RB#0



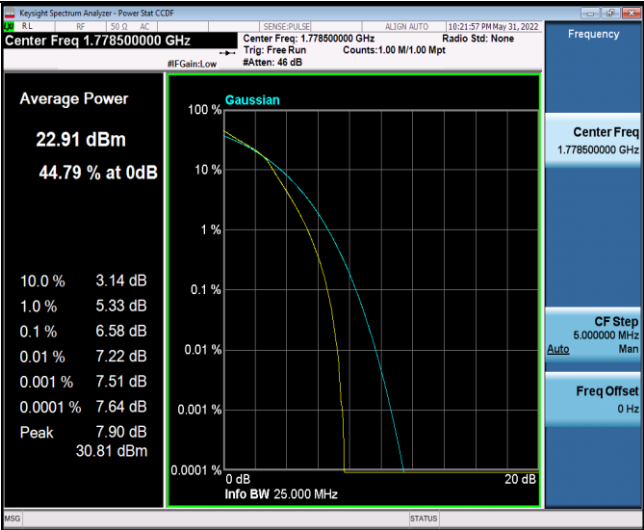
Band66-3MHz-16QAM-131987-15RB#0



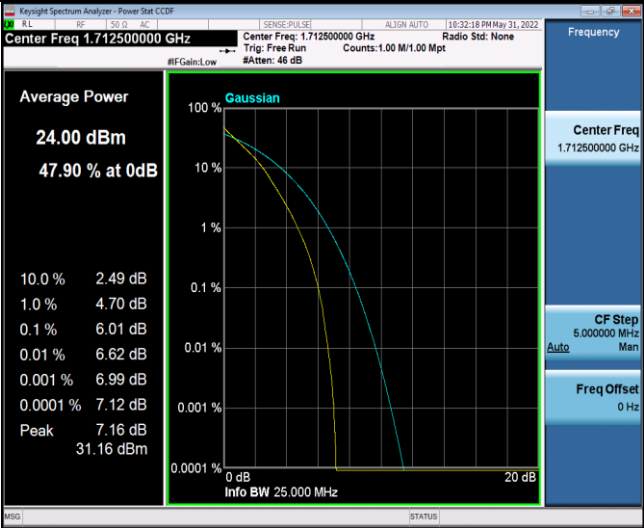
Band66-3MHz-16QAM-132322-15RB#0



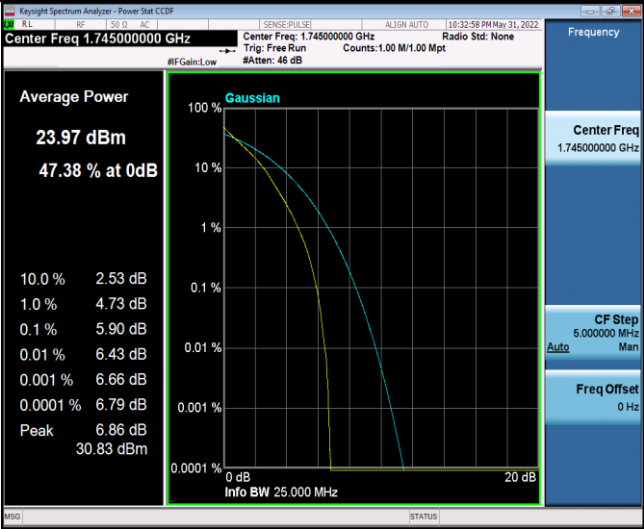
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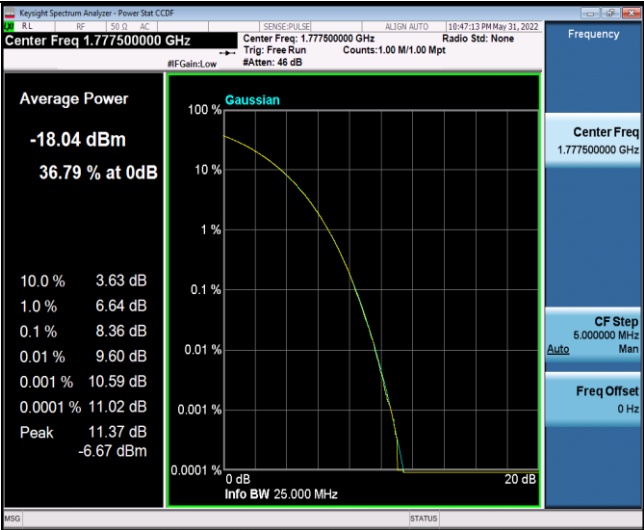
Band66-5MHz-QPSK-131997-25RB#0



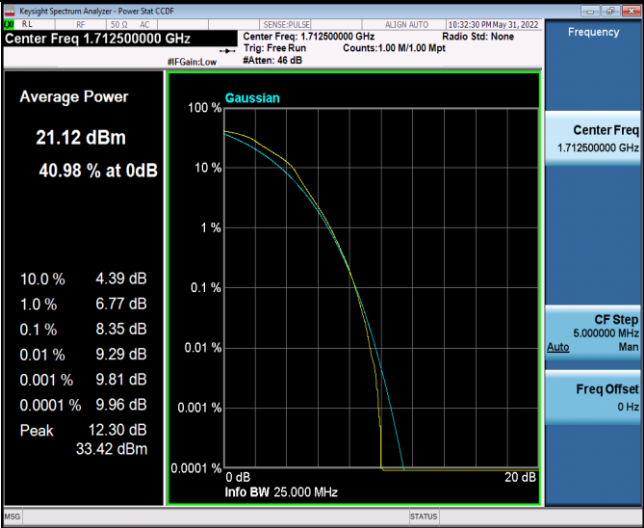
Band66-5MHz-QPSK-132322-25RB#0



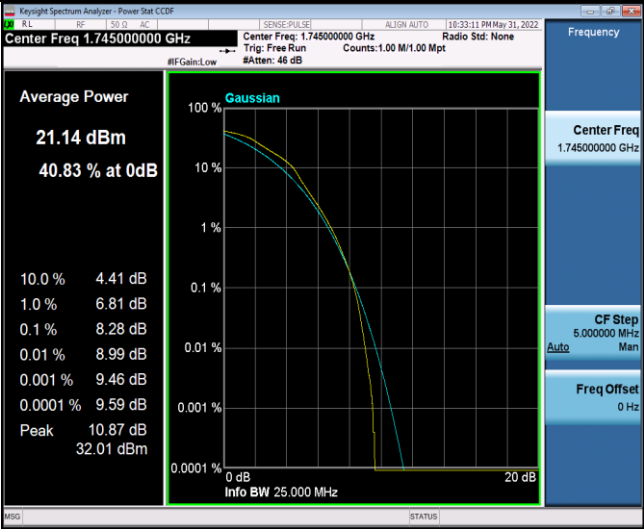
Band66-5MHz-QPSK-132647-25RB#0



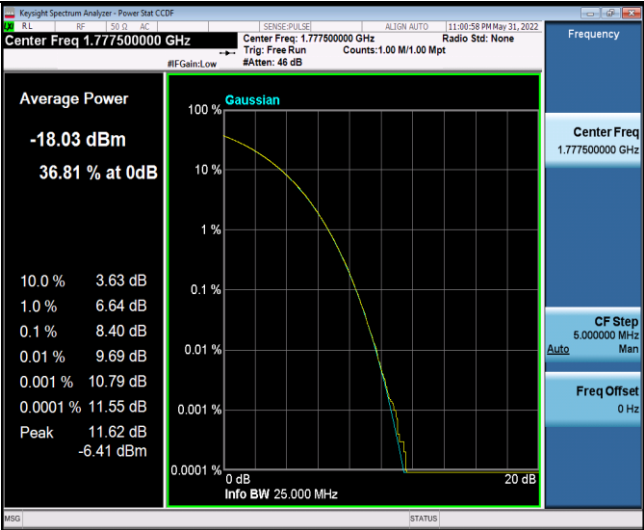
Band66-5MHz-16QAM-131997-25RB#0



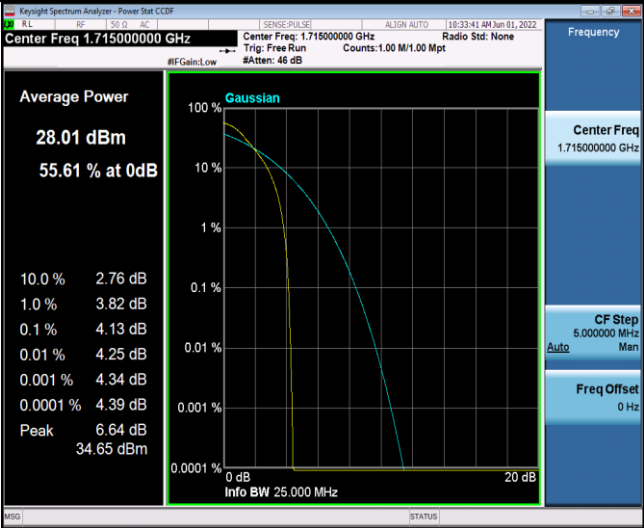
Band66-5MHz-16QAM-132322-25RB#0



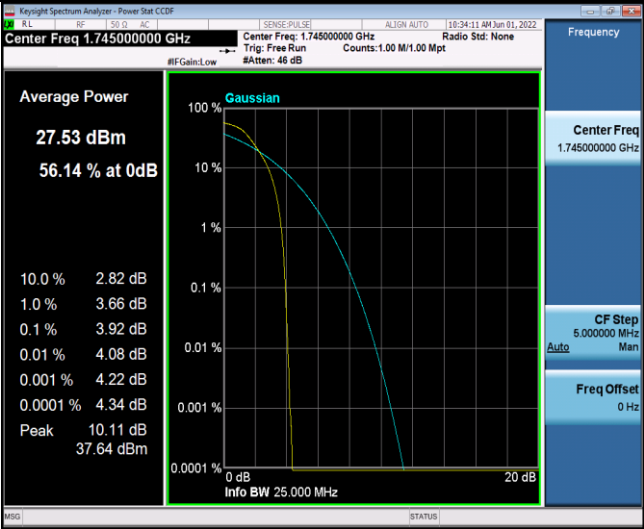
Band66-5MHz-16QAM-132647-25RB#0



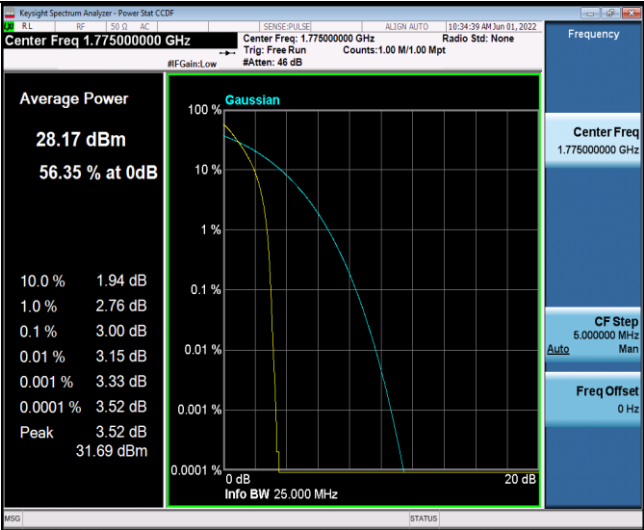
Band66-10MHz-QPSK-132022-50RB#0



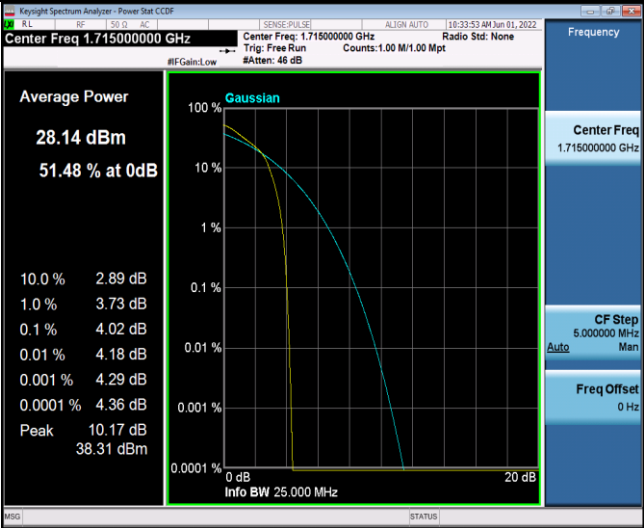
Band66-10MHz-QPSK-132322-50RB#0



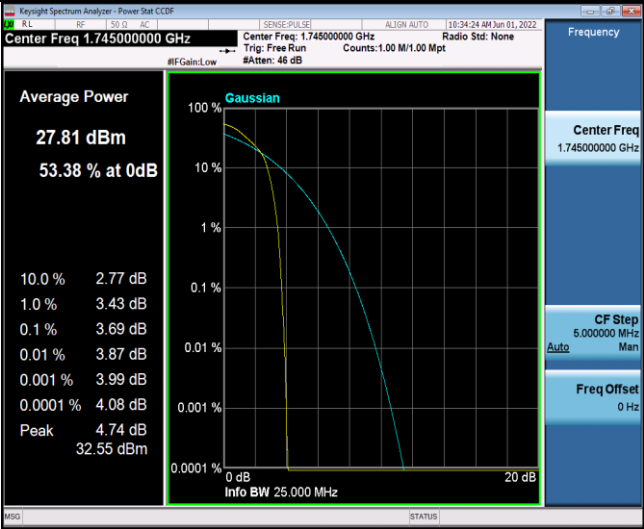
Band66-10MHz-QPSK-132622-50RB#0



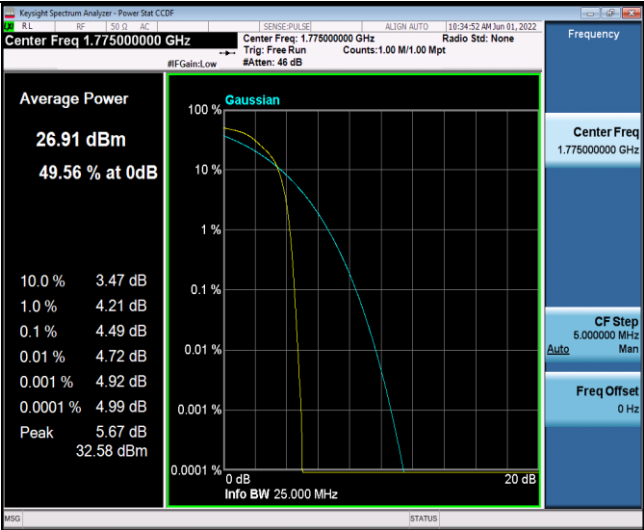
Band66-10MHz-16QAM-132022-50RB#0



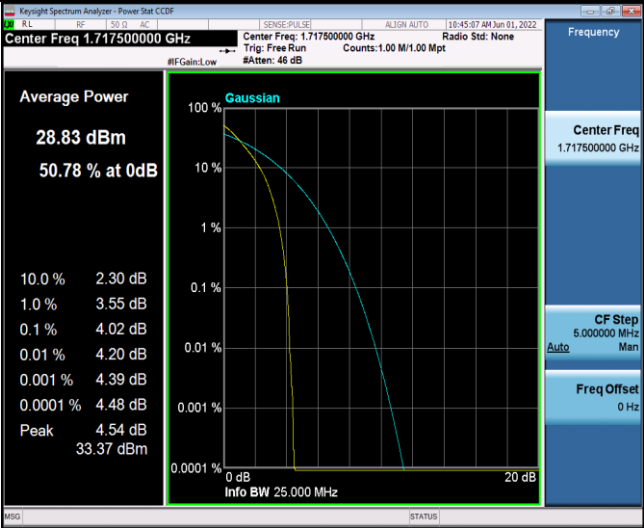
Band66-10MHz-16QAM-132322-50RB#0



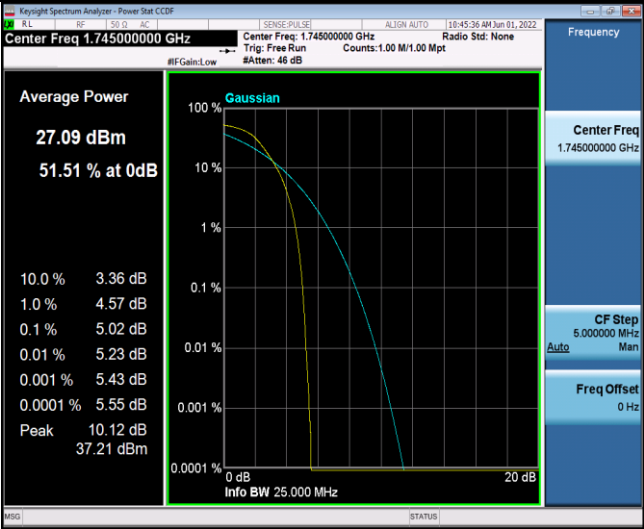
Band66-10MHz-16QAM-132622-50RB#0



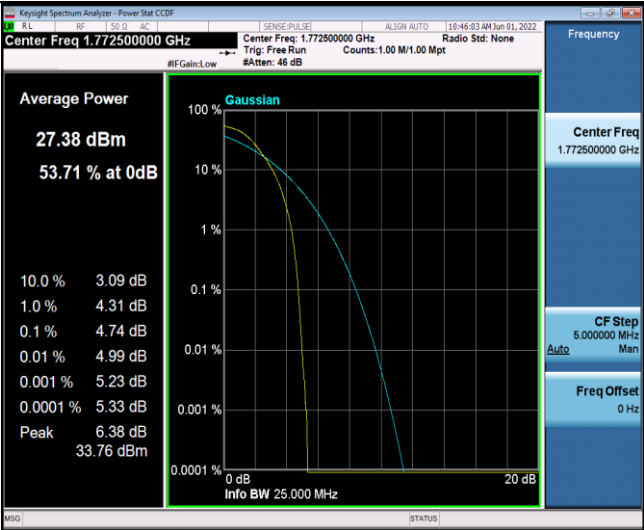
Band66-15MHz-QPSK-132047-75RB#0



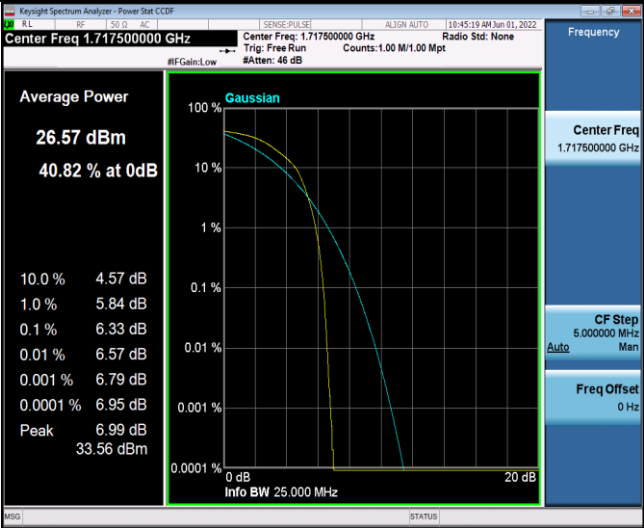
Band66-15MHz-QPSK-132322-75RB#0



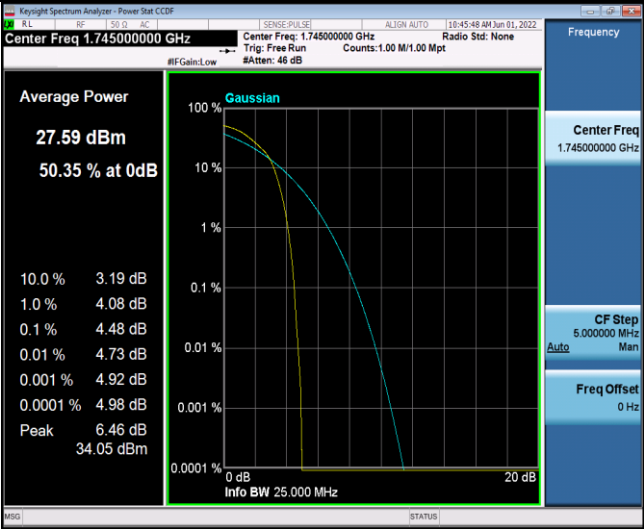
Band66-15MHz-QPSK-132597-75RB#0



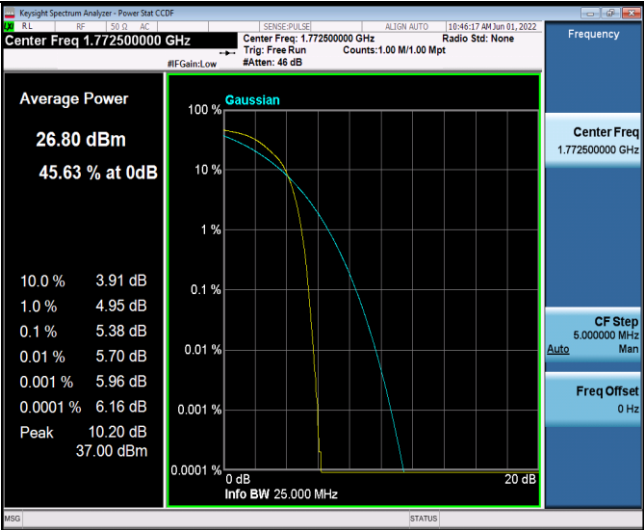
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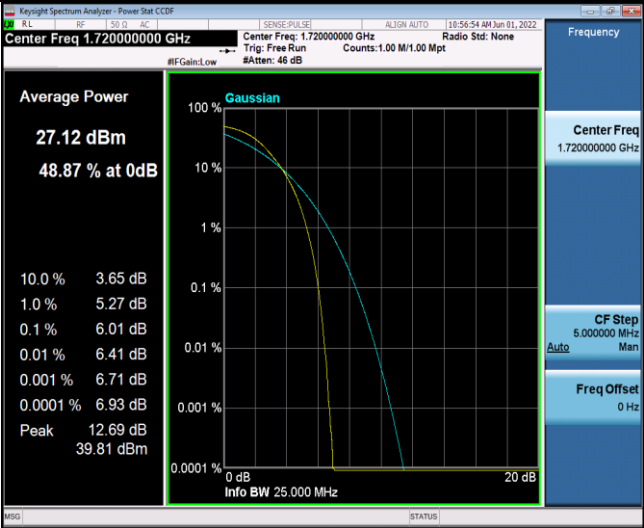
Band66-15MHz-16QAM-132322-75RB#0



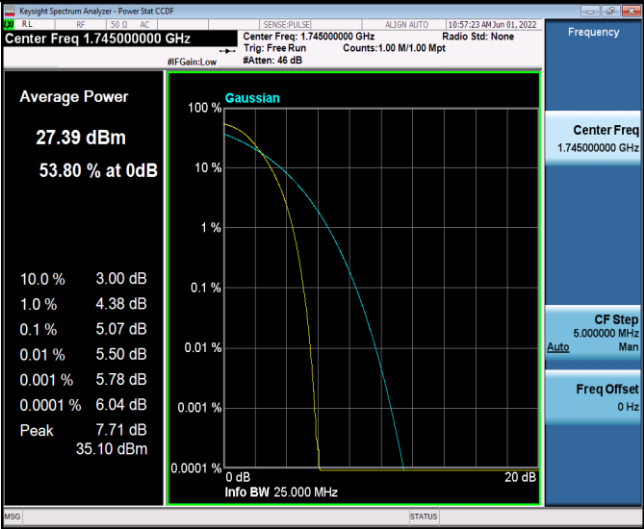
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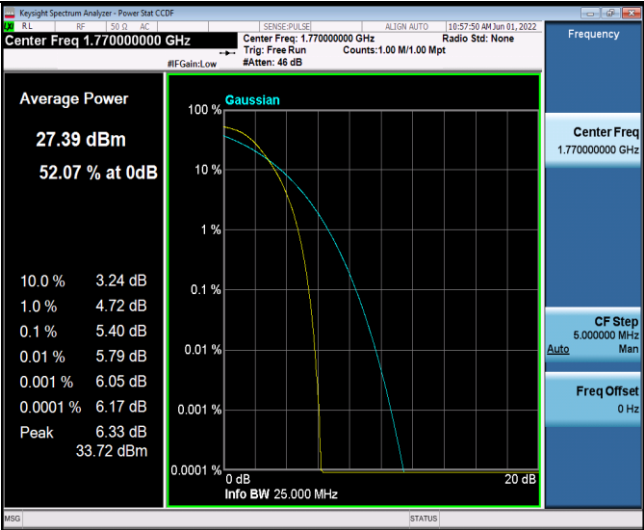
Band66-20MHz-QPSK-132072-100RB#0



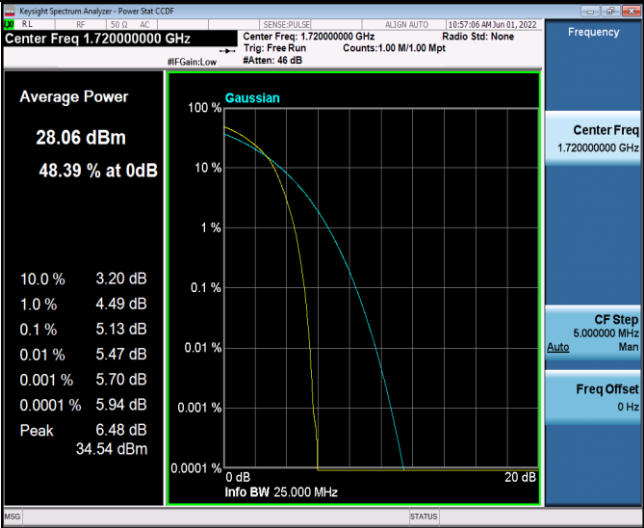
Band66-20MHz-QPSK-132322-100RB#0



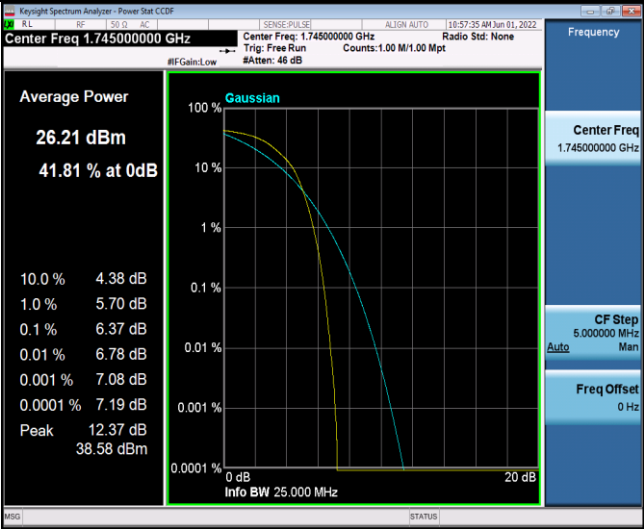
Band66-20MHz-QPSK-132572-100RB#0



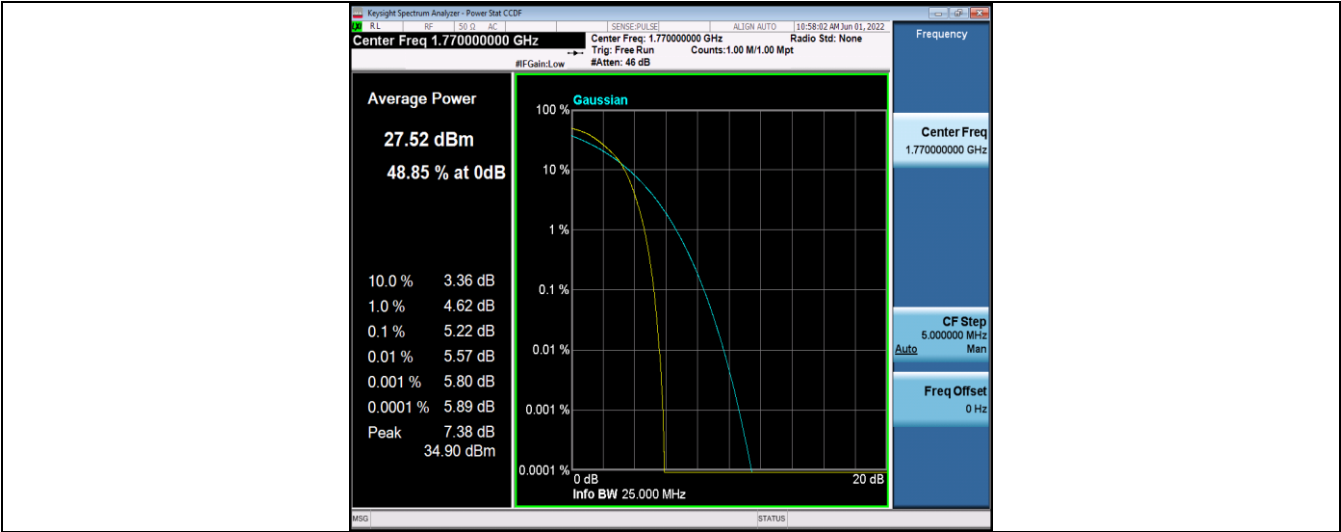
Band66-20MHz-16QAM-132072-100RB#0



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



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



Appendix C: 26dB Bandwidth and Occupied Bandwidth

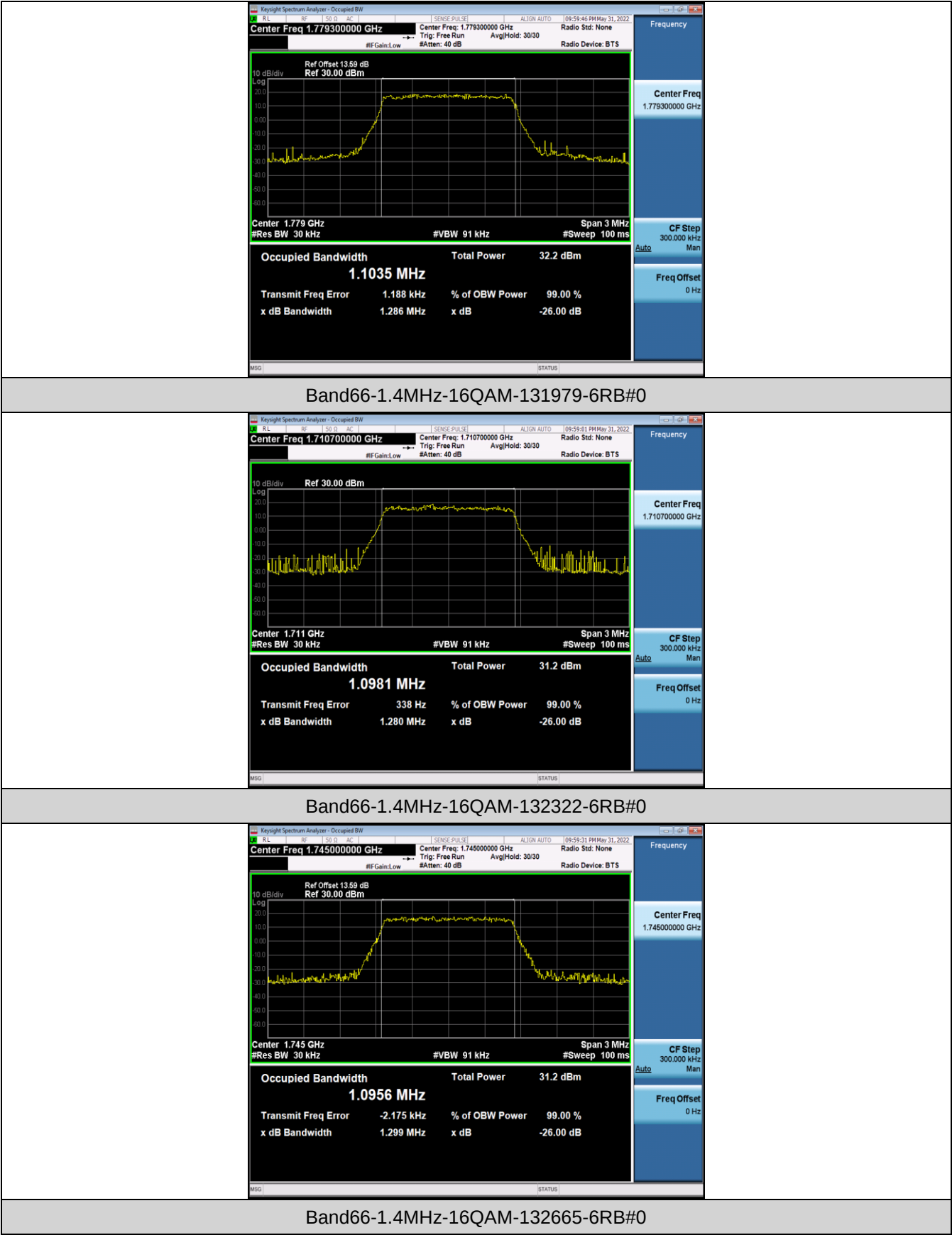
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.0982	1.278	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.0899	1.286	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.1035	1.286	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.0981	1.280	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.0956	1.299	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.0923	1.293	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.6823	2.877	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.6838	2.878	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.6895	2.909	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.6805	2.890	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.6772	2.926	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.6838	2.914	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.5306	5.166	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.5290	5.192	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.5097	5.169	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.5088	5.135	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.5094	5.158	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.5322	5.188	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.9870	10.03	PASS
Band66	10MHz	QPSK	132322	50RB#0	9.0149	10.09	PASS
Band66	10MHz	QPSK	132622	50RB#0	9.0035	10.29	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.9848	10.06	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.9867	10.03	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.9928	10.10	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.549	15.19	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.625	19.41	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.586	20.13	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.582	20.23	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.664	22.59	PASS

Band66	15MHz	16QAM	132597	75RB#0	13.693	24.24	PASS
Band66	20MHz	QPSK	132072	100RB#0	18.034	23.17	PASS
Band66	20MHz	QPSK	132322	100RB#0	18.038	23.73	PASS
Band66	20MHz	QPSK	132572	100RB#0	18.158	27.09	PASS
Band66	20MHz	16QAM	132072	100RB#0	18.040	23.02	PASS
Band66	20MHz	16QAM	132322	100RB#0	18.127	29.09	PASS
Band66	20MHz	16QAM	132572	100RB#0	18.252	33.86	PASS

Test Graphs





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

KeySight Spectrum Analyzer - Occupied BW

Center Freq 1.745000000 GHz

Ref Offset 13.69 dB
Ref 30.00 dBm

Center 1.745 GHz
Res BW 30 kHz
Span 3 MHz
VBW 91 kHz
Sweep 100 ms

Occupied Bandwidth
1.0956 MHz

Total Power
31.2 dBm

Transmit Freq Error
-2.175 kHz

% of OBW Power
99.00 %

x dB Bandwidth
1.299 MHz

x dB
-26.00 dB

Frequency

Center Freq
1.745000000 GHz

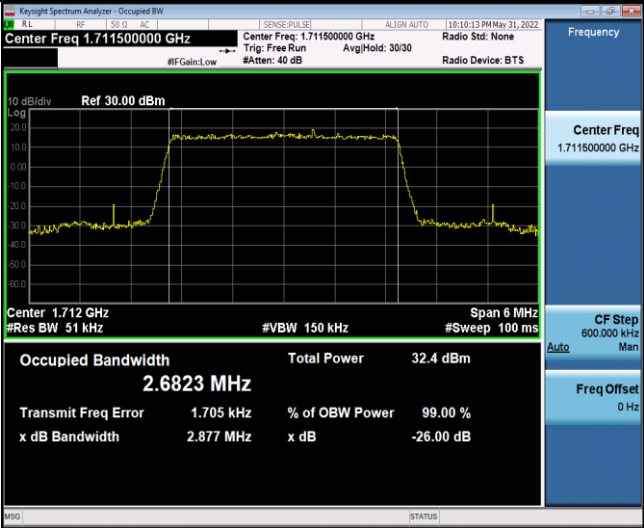
CF Step
300.000 kHz
Auto

Freq Offset
0 Hz

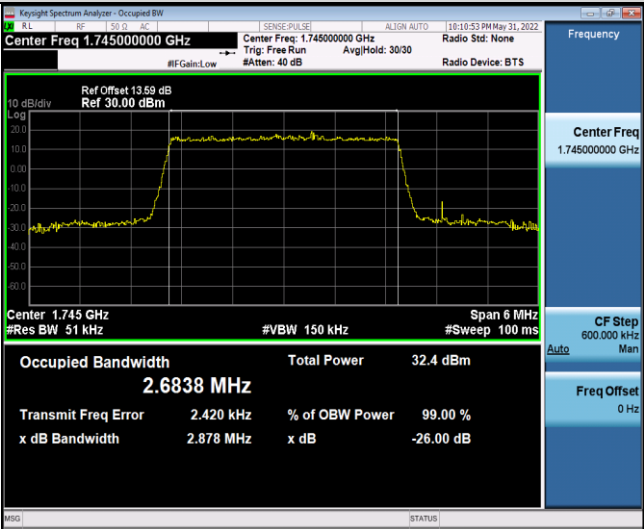
Band66-1.4MHz-16QAM-132665-6RB#0



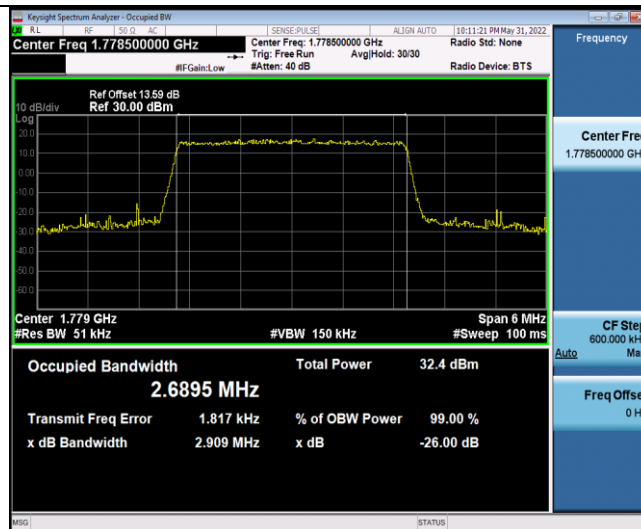
Band66-3MHz-QPSK-131987-15RB#0



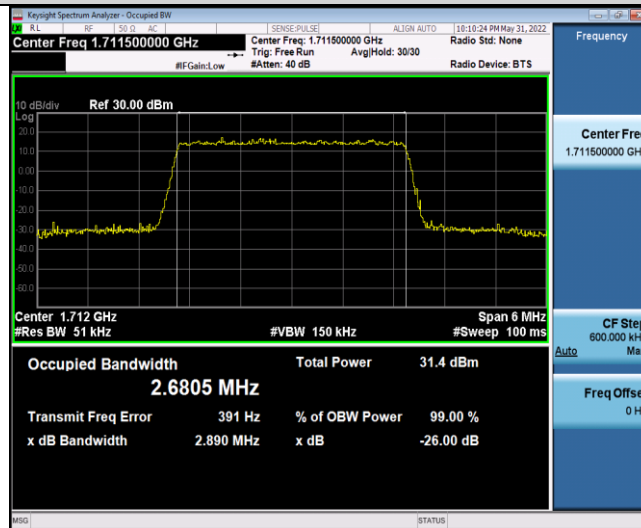
Band66-3MHz-QPSK-132322-15RB#0



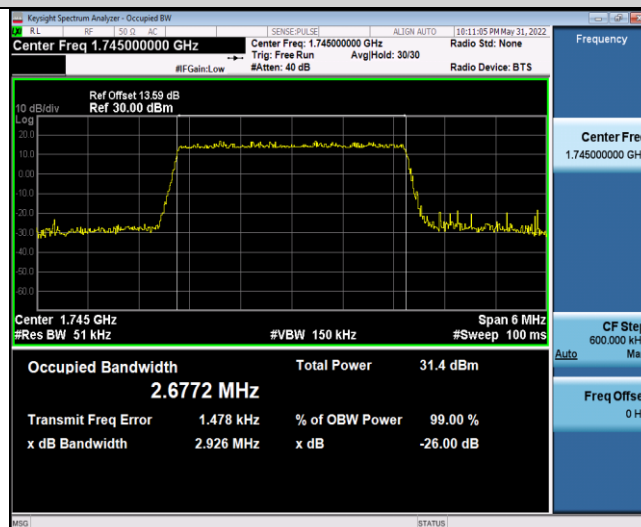
Band66-3MHz-QPSK-132657-15RB#0



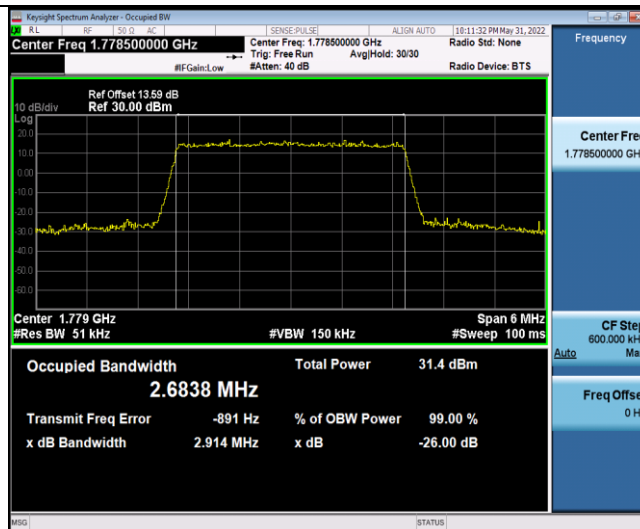
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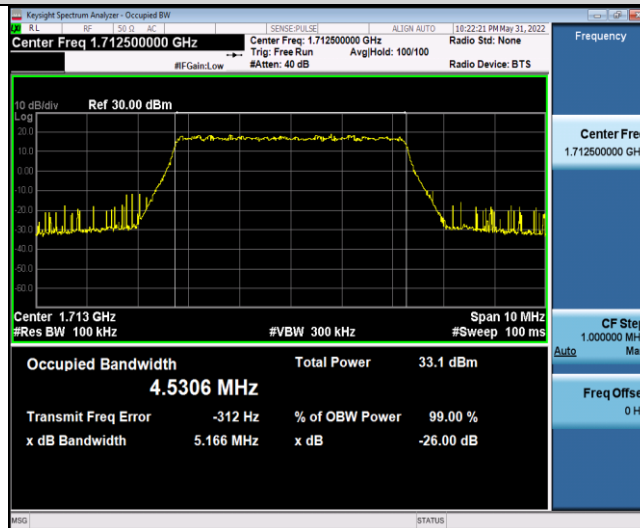
Band66-3MHz-16QAM-132322-15RB#0



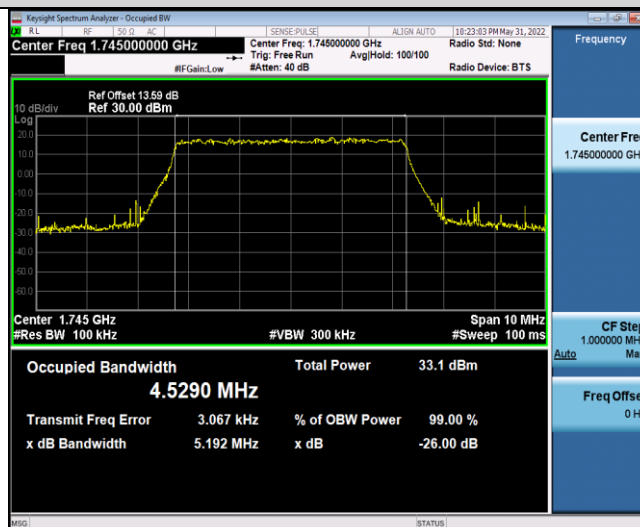
Band66-3MHz-16QAM-132657-15RB#0



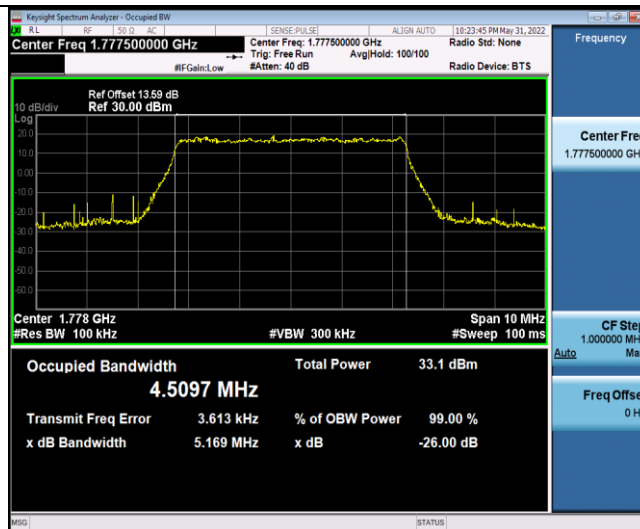
Band66-5MHz-QPSK-131997-25RB#0



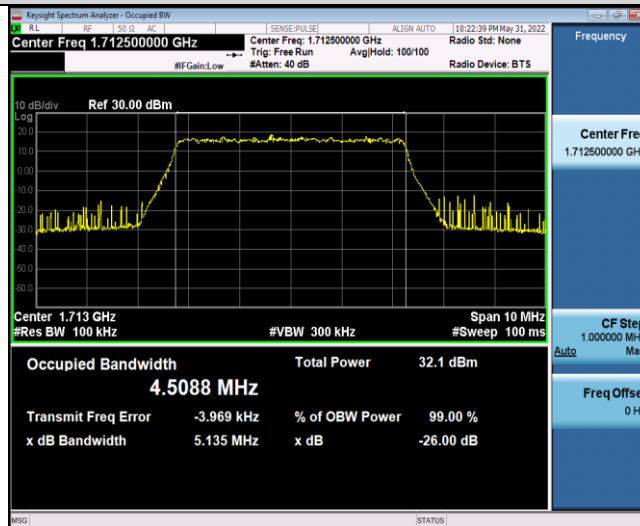
Band66-5MHz-QPSK-132322-25RB#0



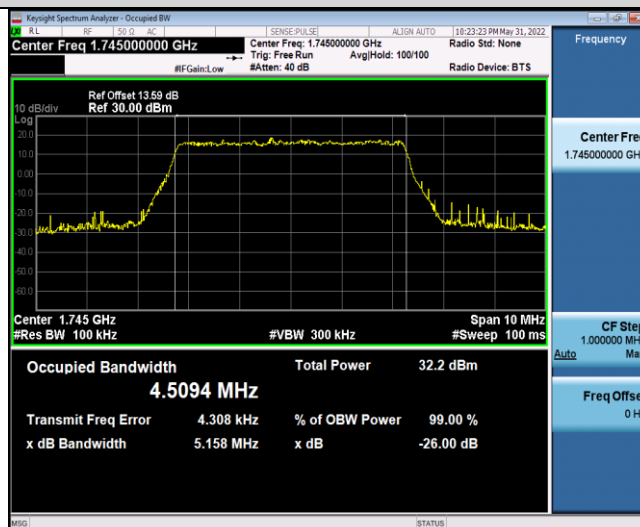
Band66-5MHz-QPSK-132647-25RB#0



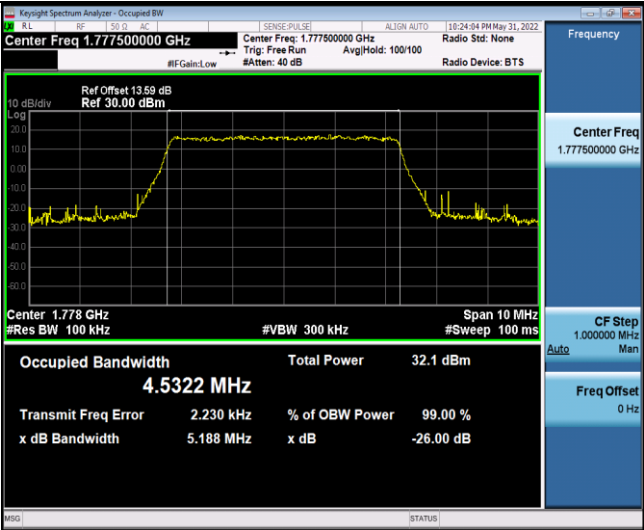
Band66-5MHz-16QAM-131997-25RB#0



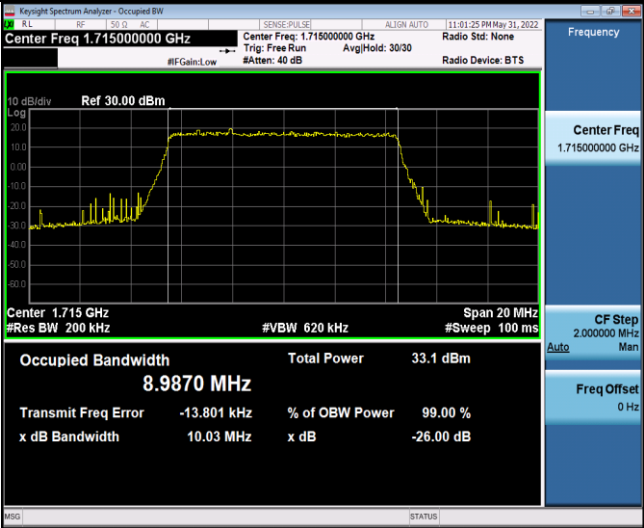
Band66-5MHz-16QAM-132322-25RB#0



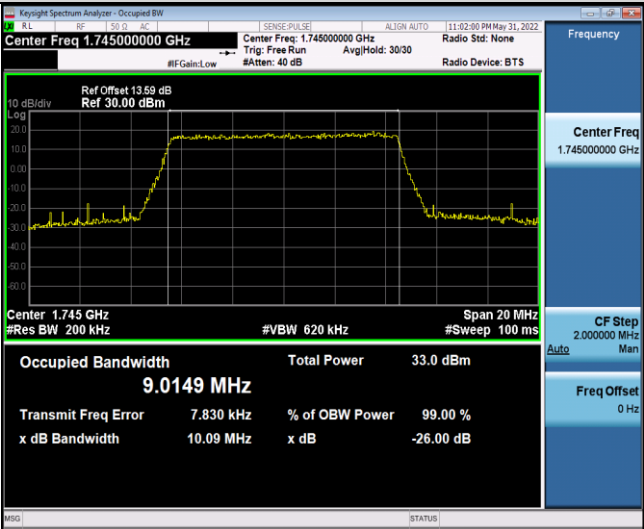
Band66-5MHz-16QAM-132647-25RB#0



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



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



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