

Appendix Test Data for LTE band 4 (Conducted Measurement)

Product Name: LEARNING CAMERA



Trade Mark:

Test Model: DEX-01

FCC ID: 2BOSD-DEX-01

Environmental Conditions

Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Max Zhang
NOTE	N/A

Appendix A: RF output power

Test Result

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)	Peak Power (dBm)	PAR (dB)	Limit (dB)	AntGain (dBi)	EIRP (dBm)	Limit (dBm)	Conclusion
4	1.4	1710.7	QPSK	6	LOW	21.59	27.46	5.87	13	1.61	23.2	30	Pass
4	1.4	1710.7	QPSK	3	LOW	22.67	28.46	5.79	13	1.61	24.28	30	Pass
4	1.4	1710.7	QPSK	3	MID	22.74	28.51	5.77	13	1.61	24.35	30	Pass
4	1.4	1710.7	QPSK	3	HIGH	22.67	28.47	5.80	13	1.61	24.28	30	Pass
4	1.4	1710.7	QPSK	1	LOW	22.59	28.2	5.61	13	1.61	24.2	30	Pass
4	1.4	1710.7	QPSK	1	MID	22.73	28.31	5.58	13	1.61	24.34	30	Pass
4	1.4	1710.7	QPSK	1	HIGH	22.53	28.18	5.65	13	1.61	24.14	30	Pass
4	1.4	1710.7	16QAM	6	LOW	20.69	27.36	6.67	13	1.61	22.3	30	Pass
4	1.4	1710.7	16QAM	3	LOW	21.67	28.43	6.76	13	1.61	23.28	30	Pass
4	1.4	1710.7	16QAM	3	MID	21.68	28.44	6.76	13	1.61	23.29	30	Pass
4	1.4	1710.7	16QAM	3	HIGH	21.73	28.55	6.82	13	1.61	23.34	30	Pass
4	1.4	1710.7	16QAM	1	LOW	21.76	27.03	5.27	13	1.61	23.37	30	Pass
4	1.4	1710.7	16QAM	1	MID	21.92	27.21	5.29	13	1.61	23.53	30	Pass
4	1.4	1710.7	16QAM	1	HIGH	21.73	27.04	5.31	13	1.61	23.34	30	Pass
4	1.4	1732.5	QPSK	6	LOW	21.36	27.48	6.12	13	1.61	22.97	30	Pass
4	1.4	1732.5	QPSK	3	LOW	22.45	28.52	6.07	13	1.61	24.06	30	Pass
4	1.4	1732.5	QPSK	3	MID	22.44	28.51	6.07	13	1.61	24.05	30	Pass
4	1.4	1732.5	QPSK	3	HIGH	22.48	28.52	6.04	13	1.61	24.09	30	Pass
4	1.4	1732.5	QPSK	1	LOW	22.28	27.39	5.11	13	1.61	23.89	30	Pass
4	1.4	1732.5	QPSK	1	MID	22.53	27.59	5.06	13	1.61	24.14	30	Pass

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)	Peak Power (dBm)	PAR (dB)	Limit (dB)	AntGain (dBi)	EIRP (dBm)	Limit (dBm)	Conclusion
4	1.4	1732.5	QPSK	1	HIGH	22.35	27.45	5.10	13	1.61	23.96	30	Pass
4	1.4	1732.5	16QAM	6	LOW	20.4	27.42	7.02	13	1.61	22.01	30	Pass
4	1.4	1732.5	16QAM	3	LOW	21.57	27.99	6.42	13	1.61	23.18	30	Pass
4	1.4	1732.5	16QAM	3	MID	21.57	27.99	6.42	13	1.61	23.18	30	Pass
4	1.4	1732.5	16QAM	3	HIGH	21.54	27.9	6.36	13	1.61	23.15	30	Pass
4	1.4	1732.5	16QAM	1	LOW	21.42	27	5.58	13	1.61	23.03	30	Pass
4	1.4	1732.5	16QAM	1	MID	21.56	27.12	5.56	13	1.61	23.17	30	Pass
4	1.4	1732.5	16QAM	1	HIGH	21.43	26.97	5.54	13	1.61	23.04	30	Pass
4	1.4	1754.3	QPSK	6	LOW	21.29	27.52	6.23	13	1.61	22.9	30	Pass
4	1.4	1754.3	QPSK	3	LOW	22.34	27.99	5.65	13	1.61	23.95	30	Pass
4	1.4	1754.3	QPSK	3	MID	22.34	27.97	5.63	13	1.61	23.95	30	Pass
4	1.4	1754.3	QPSK	3	HIGH	22.33	27.96	5.63	13	1.61	23.94	30	Pass
4	1.4	1754.3	QPSK	1	LOW	22.22	27.92	5.70	13	1.61	23.83	30	Pass
4	1.4	1754.3	QPSK	1	MID	22.39	28	5.61	13	1.61	24	30	Pass
4	1.4	1754.3	QPSK	1	HIGH	22.21	27.89	5.68	13	1.61	23.82	30	Pass
4	1.4	1754.3	16QAM	6	LOW	20.36	27.74	7.38	13	1.61	21.97	30	Pass
4	1.4	1754.3	16QAM	3	LOW	21.52	27.77	6.25	13	1.61	23.13	30	Pass
4	1.4	1754.3	16QAM	3	MID	21.51	27.77	6.26	13	1.61	23.12	30	Pass
4	1.4	1754.3	16QAM	3	HIGH	21.52	27.78	6.26	13	1.61	23.13	30	Pass
4	1.4	1754.3	16QAM	1	LOW	21.27	27.16	5.89	13	1.61	22.88	30	Pass
4	1.4	1754.3	16QAM	1	MID	21.44	27.29	5.85	13	1.61	23.05	30	Pass
4	1.4	1754.3	16QAM	1	HIGH	21.29	27.15	5.86	13	1.61	22.9	30	Pass
4	3	1711.5	QPSK	15	LOW	21.64	27.84	6.20	13	1.61	23.25	30	Pass
4	3	1711.5	QPSK	8	LOW	21.62	27.95	6.33	13	1.61	23.23	30	Pass
4	3	1711.5	QPSK	8	MID	21.61	27.96	6.35	13	1.61	23.22	30	Pass
4	3	1711.5	QPSK	8	HIGH	21.58	27.91	6.33	13	1.61	23.19	30	Pass
4	3	1711.5	QPSK	1	LOW	22.61	27.82	5.21	13	1.61	24.22	30	Pass
4	3	1711.5	QPSK	1	MID	22.62	27.85	5.23	13	1.61	24.23	30	Pass
4	3	1711.5	QPSK	1	HIGH	22.54	27.82	5.28	13	1.61	24.15	30	Pass
4	3	1711.5	16QAM	15	LOW	20.76	28.07	7.31	13	1.61	22.37	30	Pass
4	3	1711.5	16QAM	8	LOW	20.83	28.06	7.23	13	1.61	22.44	30	Pass
4	3	1711.5	16QAM	8	MID	20.83	28.06	7.23	13	1.61	22.44	30	Pass
4	3	1711.5	16QAM	8	HIGH	20.84	28.1	7.26	13	1.61	22.45	30	Pass
4	3	1711.5	16QAM	1	LOW	22.27	28.6	6.33	13	1.61	23.88	30	Pass
4	3	1711.5	16QAM	1	MID	22.26	28.64	6.38	13	1.61	23.87	30	Pass
4	3	1711.5	16QAM	1	HIGH	22.23	28.65	6.42	13	1.61	23.84	30	Pass
4	3	1732.5	QPSK	15	LOW	21.43	27.59	6.16	13	1.61	23.04	30	Pass
4	3	1732.5	QPSK	8	LOW	21.42	27.92	6.5	13	1.61	23.03	30	Pass
4	3	1732.5	QPSK	8	MID	21.41	27.92	6.51	13	1.61	23.02	30	Pass
4	3	1732.5	QPSK	8	HIGH	21.4	27.91	6.51	13	1.61	23.01	30	Pass
4	3	1732.5	QPSK	1	LOW	22.4	27.86	5.46	13	1.61	24.01	30	Pass

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)	Peak Power (dBm)	PAR (dB)	Limit (dB)	AntGain (dBi)	EIRP (dBm)	Limit (dBm)	Conclusion
4	3	1732.5	QPSK	1	MID	22.44	27.97	5.53	13	1.61	24.05	30	Pass
4	3	1732.5	QPSK	1	HIGH	22.35	27.84	5.49	13	1.61	23.96	30	Pass
4	3	1732.5	16QAM	15	LOW	20.44	27.25	6.81	13	1.61	22.05	30	Pass
4	3	1732.5	16QAM	8	LOW	20.46	27.31	6.85	13	1.61	22.07	30	Pass
4	3	1732.5	16QAM	8	MID	20.46	27.31	6.85	13	1.61	22.07	30	Pass
4	3	1732.5	16QAM	8	HIGH	20.46	27.29	6.83	13	1.61	22.07	30	Pass
4	3	1732.5	16QAM	1	LOW	21.58	26.73	5.15	13	1.61	23.19	30	Pass
4	3	1732.5	16QAM	1	MID	21.6	26.78	5.18	13	1.61	23.21	30	Pass
4	3	1732.5	16QAM	1	HIGH	21.54	26.71	5.17	13	1.61	23.15	30	Pass
4	3	1753.5	QPSK	15	LOW	21.33	28.14	6.81	13	1.61	22.94	30	Pass
4	3	1753.5	QPSK	8	LOW	21.31	27.49	6.18	13	1.61	22.92	30	Pass
4	3	1753.5	QPSK	8	MID	21.33	27.47	6.14	13	1.61	22.94	30	Pass
4	3	1753.5	QPSK	8	HIGH	21.29	27.53	6.24	13	1.61	22.9	30	Pass
4	3	1753.5	QPSK	1	LOW	22.26	27.14	4.88	13	1.61	23.87	30	Pass
4	3	1753.5	QPSK	1	MID	22.33	27.24	4.91	13	1.61	23.94	30	Pass
4	3	1753.5	QPSK	1	HIGH	22.23	27.13	4.90	13	1.61	23.84	30	Pass
4	3	1753.5	16QAM	15	LOW	20.41	27.69	7.28	13	1.61	22.02	30	Pass
4	3	1753.5	16QAM	8	LOW	20.43	26.98	6.55	13	1.61	22.04	30	Pass
4	3	1753.5	16QAM	8	MID	20.44	27	6.56	13	1.61	22.05	30	Pass
4	3	1753.5	16QAM	8	HIGH	20.43	26.99	6.56	13	1.61	22.04	30	Pass
4	3	1753.5	16QAM	1	LOW	21.35	26.75	5.40	13	1.61	22.96	30	Pass
4	3	1753.5	16QAM	1	MID	21.36	26.79	5.43	13	1.61	22.97	30	Pass
4	3	1753.5	16QAM	1	HIGH	21.34	26.79	5.45	13	1.61	22.95	30	Pass
4	5	1712.5	QPSK	25	LOW	21.61	28.57	6.96	13	1.61	23.22	30	Pass
4	5	1712.5	QPSK	12	LOW	21.59	28.18	6.59	13	1.61	23.2	30	Pass
4	5	1712.5	QPSK	12	MID	21.58	28.16	6.58	13	1.61	23.19	30	Pass
4	5	1712.5	QPSK	12	HIGH	21.6	28.17	6.57	13	1.61	23.21	30	Pass
4	5	1712.5	QPSK	1	LOW	22.54	28.14	5.60	13	1.61	24.15	30	Pass
4	5	1712.5	QPSK	1	MID	22.68	28.32	5.64	13	1.61	24.29	30	Pass
4	5	1712.5	QPSK	1	HIGH	22.44	28.14	5.70	13	1.61	24.05	30	Pass
4	5	1712.5	16QAM	25	LOW	20.69	28.57	7.88	13	1.61	22.3	30	Pass
4	5	1712.5	16QAM	12	LOW	20.66	27.76	7.10	13	1.61	22.27	30	Pass
4	5	1712.5	16QAM	12	MID	20.68	27.78	7.10	13	1.61	22.29	30	Pass
4	5	1712.5	16QAM	12	HIGH	20.69	27.79	7.10	13	1.61	22.3	30	Pass
4	5	1712.5	16QAM	1	LOW	21.87	27.91	6.04	13	1.61	23.48	30	Pass
4	5	1712.5	16QAM	1	MID	21.99	28.1	6.11	13	1.61	23.60	30	Pass
4	5	1712.5	16QAM	1	HIGH	21.86	27.97	6.11	13	1.61	23.47	30	Pass
4	5	1732.5	QPSK	25	LOW	21.37	27.6	6.23	13	1.61	22.98	30	Pass
4	5	1732.5	QPSK	12	LOW	21.37	27.69	6.32	13	1.61	22.98	30	Pass
4	5	1732.5	QPSK	12	MID	21.36	27.68	6.32	13	1.61	22.97	30	Pass
4	5	1732.5	QPSK	12	HIGH	21.38	27.66	6.28	13	1.61	22.99	30	Pass

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)	Peak Power (dBm)	PAR (dB)	Limit (dB)	AntGain (dBi)	EIRP (dBm)	Limit (dBm)	Conclusion
4	5	1732.5	QPSK	1	LOW	22.31	27.83	5.52	13	1.61	23.92	30	Pass
4	5	1732.5	QPSK	1	MID	22.42	27.82	5.40	13	1.61	24.03	30	Pass
4	5	1732.5	QPSK	1	HIGH	22.24	27.61	5.37	13	1.61	23.85	30	Pass
4	5	1732.5	16QAM	25	LOW	20.49	27.75	7.26	13	1.61	22.10	30	Pass
4	5	1732.5	16QAM	12	LOW	20.4	27.48	7.08	13	1.61	22.01	30	Pass
4	5	1732.5	16QAM	12	MID	20.41	27.48	7.07	13	1.61	22.02	30	Pass
4	5	1732.5	16QAM	12	HIGH	20.41	27.47	7.06	13	1.61	22.02	30	Pass
4	5	1732.5	16QAM	1	LOW	21.44	27.81	6.37	13	1.61	23.05	30	Pass
4	5	1732.5	16QAM	1	MID	21.56	27.83	6.27	13	1.61	23.17	30	Pass
4	5	1732.5	16QAM	1	HIGH	21.35	27.6	6.25	13	1.61	22.96	30	Pass
4	5	1752.5	QPSK	25	LOW	21.33	27.77	6.44	13	1.61	22.94	30	Pass
4	5	1752.5	QPSK	12	LOW	21.32	27.26	5.94	13	1.61	22.93	30	Pass
4	5	1752.5	QPSK	12	MID	21.32	27.26	5.94	13	1.61	22.93	30	Pass
4	5	1752.5	QPSK	12	HIGH	21.28	27.2	5.92	13	1.61	22.89	30	Pass
4	5	1752.5	QPSK	1	LOW	22.24	27.95	5.71	13	1.61	23.85	30	Pass
4	5	1752.5	QPSK	1	MID	22.39	27.98	5.59	13	1.61	24	30	Pass
4	5	1752.5	QPSK	1	HIGH	22.21	27.87	5.66	13	1.61	23.82	30	Pass
4	5	1752.5	16QAM	25	LOW	20.41	27.77	7.36	13	1.61	22.02	30	Pass
4	5	1752.5	16QAM	12	LOW	20.35	27.93	7.58	13	1.61	21.96	30	Pass
4	5	1752.5	16QAM	12	MID	20.36	27.92	7.56	13	1.61	21.97	30	Pass
4	5	1752.5	16QAM	12	HIGH	20.37	27.89	7.52	13	1.61	21.98	30	Pass
4	5	1752.5	16QAM	1	LOW	21.12	26.71	5.59	13	1.61	22.73	30	Pass
4	5	1752.5	16QAM	1	MID	21.28	26.84	5.56	13	1.61	22.89	30	Pass
4	5	1752.5	16QAM	1	HIGH	21.1	26.66	5.56	13	1.61	22.71	30	Pass
4	10	1715	QPSK	50	LOW	21.66	28.32	6.66	13	1.61	23.27	30	Pass
4	10	1715	QPSK	25	LOW	21.59	28.3	6.71	13	1.61	23.2	30	Pass
4	10	1715	QPSK	25	MID	21.62	28.26	6.64	13	1.61	23.23	30	Pass
4	10	1715	QPSK	25	HIGH	21.65	28.37	6.72	13	1.61	23.26	30	Pass
4	10	1715	QPSK	1	LOW	22.55	27.79	5.24	13	1.61	24.16	30	Pass
4	10	1715	QPSK	1	MID	22.68	27.91	5.23	13	1.61	24.29	30	Pass
4	10	1715	QPSK	1	HIGH	22.48	27.8	5.32	13	1.61	24.09	30	Pass
4	10	1715	16QAM	50	LOW	20.74	28.67	7.93	13	1.61	22.35	30	Pass
4	10	1715	16QAM	25	LOW	20.78	28.44	7.66	13	1.61	22.39	30	Pass
4	10	1715	16QAM	25	MID	20.76	28.41	7.65	13	1.61	22.37	30	Pass
4	10	1715	16QAM	25	HIGH	20.78	28.41	7.63	13	1.61	22.39	30	Pass
4	10	1715	16QAM	1	LOW	22.24	28.58	6.34	13	1.61	23.85	30	Pass
4	10	1715	16QAM	1	MID	22.35	28.73	6.38	13	1.61	23.96	30	Pass
4	10	1715	16QAM	1	HIGH	22.2	28.74	6.54	13	1.61	23.81	30	Pass
4	10	1732.5	QPSK	50	LOW	21.48	27.96	6.48	13	1.61	23.09	30	Pass
4	10	1732.5	QPSK	25	LOW	21.44	27.93	6.49	13	1.61	23.05	30	Pass
4	10	1732.5	QPSK	25	MID	21.47	27.95	6.48	13	1.61	23.08	30	Pass

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4	10	1732.5	QPSK	25	HIGH	21.48	27.94	6.46	13	1.61	23.09	30	Pass
4	10	1732.5	QPSK	1	LOW	22.41	28.09	5.68	13	1.61	24.02	30	Pass
4	10	1732.5	QPSK	1	MID	22.54	28.01	5.47	13	1.61	24.15	30	Pass
4	10	1732.5	QPSK	1	HIGH	22.37	27.97	5.60	13	1.61	23.98	30	Pass
4	10	1732.5	16QAM	50	LOW	20.56	28.04	7.48	13	1.61	22.17	30	Pass
4	10	1732.5	16QAM	25	LOW	20.57	28.09	7.52	13	1.61	22.18	30	Pass
4	10	1732.5	16QAM	25	MID	20.56	28.09	7.53	13	1.61	22.17	30	Pass
4	10	1732.5	16QAM	25	HIGH	20.57	28.04	7.47	13	1.61	22.18	30	Pass
4	10	1732.5	16QAM	1	LOW	21.66	26.91	5.25	13	1.61	23.27	30	Pass
4	10	1732.5	16QAM	1	MID	21.72	26.85	5.13	13	1.61	23.33	30	Pass
4	10	1732.5	16QAM	1	HIGH	21.54	26.78	5.24	13	1.61	23.15	30	Pass
4	10	1750	QPSK	50	LOW	21.39	27.71	6.32	13	1.61	23	30	Pass
4	10	1750	QPSK	25	LOW	21.4	28.24	6.84	13	1.61	23.01	30	Pass
4	10	1750	QPSK	25	MID	21.34	28.14	6.80	13	1.61	22.95	30	Pass
4	10	1750	QPSK	25	HIGH	21.35	28.11	6.76	13	1.61	22.96	30	Pass
4	10	1750	QPSK	1	LOW	22.3	27.29	4.99	13	1.61	23.91	30	Pass
4	10	1750	QPSK	1	MID	22.41	27.32	4.91	13	1.61	24.02	30	Pass
4	10	1750	QPSK	1	HIGH	22.24	27.16	4.92	13	1.61	23.85	30	Pass
4	10	1750	16QAM	50	LOW	20.45	27.97	7.52	13	1.61	22.06	30	Pass
4	10	1750	16QAM	25	LOW	20.54	27.96	7.42	13	1.61	22.15	30	Pass
4	10	1750	16QAM	25	MID	20.51	27.93	7.42	13	1.61	22.12	30	Pass
4	10	1750	16QAM	25	HIGH	20.48	27.86	7.38	13	1.61	22.09	30	Pass
4	10	1750	16QAM	1	LOW	21.32	26.82	5.5	13	1.61	22.93	30	Pass
4	10	1750	16QAM	1	MID	21.45	26.91	5.46	13	1.61	23.06	30	Pass
4	10	1750	16QAM	1	HIGH	21.35	26.8	5.45	13	1.61	22.96	30	Pass
4	15	1717.5	QPSK	75	LOW	21.6	28.65	7.05	13	1.61	23.21	30	Pass
4	15	1717.5	QPSK	38	LOW	21.6	28.62	7.02	13	1.61	23.21	30	Pass
4	15	1717.5	QPSK	38	MID	21.6	28.56	6.96	13	1.61	23.21	30	Pass
4	15	1717.5	QPSK	38	HIGH	21.59	28.58	6.99	13	1.61	23.2	30	Pass
4	15	1717.5	QPSK	1	LOW	22.53	28.17	5.64	13	1.61	24.14	30	Pass
4	15	1717.5	QPSK	1	MID	22.57	28.29	5.72	13	1.61	24.18	30	Pass
4	15	1717.5	QPSK	1	HIGH	22.42	28.17	5.75	13	1.61	24.03	30	Pass
4	15	1717.5	16QAM	75	LOW	20.66	28.31	7.65	13	1.61	22.27	30	Pass
4	15	1717.5	16QAM	38	LOW	20.68	28.47	7.79	13	1.61	22.29	30	Pass
4	15	1717.5	16QAM	38	MID	20.67	28.51	7.84	13	1.61	22.28	30	Pass
4	15	1717.5	16QAM	38	HIGH	20.66	28.42	7.76	13	1.61	22.27	30	Pass
4	15	1717.5	16QAM	1	LOW	21.71	27.02	5.31	13	1.61	23.32	30	Pass
4	15	1717.5	16QAM	1	MID	21.78	27.07	5.29	13	1.61	23.39	30	Pass
4	15	1717.5	16QAM	1	HIGH	21.59	26.9	5.31	13	1.61	23.2	30	Pass
4	15	1732.5	QPSK	75	LOW	21.44	28.34	6.90	13	1.61	23.05	30	Pass
4	15	1732.5	QPSK	38	LOW	21.43	28.31	6.88	13	1.61	23.04	30	Pass

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)	Peak Power (dBm)	PAR (dB)	Limit (dB)	AntGain (dBi)	EIRP (dBm)	Limit (dBm)	Conclusion
4	15	1732.5	QPSK	38	MID	21.42	28.3	6.88	13	1.61	23.03	30	Pass
4	15	1732.5	QPSK	38	HIGH	21.46	28.35	6.89	13	1.61	23.07	30	Pass
4	15	1732.5	QPSK	1	LOW	22.36	27.3	4.94	13	1.61	23.97	30	Pass
4	15	1732.5	QPSK	1	MID	22.42	27.23	4.81	13	1.61	24.03	30	Pass
4	15	1732.5	QPSK	1	HIGH	22.28	27.06	4.78	13	1.61	23.89	30	Pass
4	15	1732.5	16QAM	75	LOW	20.46	28.1	7.64	13	1.61	22.07	30	Pass
4	15	1732.5	16QAM	38	LOW	20.47	28.12	7.65	13	1.61	22.08	30	Pass
4	15	1732.5	16QAM	38	MID	20.45	28.06	7.61	13	1.61	22.06	30	Pass
4	15	1732.5	16QAM	38	HIGH	20.45	27.98	7.53	13	1.61	22.06	30	Pass
4	15	1732.5	16QAM	1	LOW	21.85	27.27	5.42	13	1.61	23.46	30	Pass
4	15	1732.5	16QAM	1	MID	21.85	27.18	5.33	13	1.61	23.46	30	Pass
4	15	1732.5	16QAM	1	HIGH	21.73	27.02	5.29	13	1.61	23.34	30	Pass
4	15	1747.5	QPSK	75	LOW	21.4	28.48	7.08	13	1.61	23.01	30	Pass
4	15	1747.5	QPSK	38	LOW	21.39	28.45	7.06	13	1.61	23	30	Pass
4	15	1747.5	QPSK	38	MID	21.35	28.42	7.07	13	1.61	22.96	30	Pass
4	15	1747.5	QPSK	38	HIGH	21.34	28.43	7.09	13	1.61	22.95	30	Pass
4	15	1747.5	QPSK	1	LOW	22.2	27.27	5.07	13	1.61	23.81	30	Pass
4	15	1747.5	QPSK	1	MID	22.29	27.3	5.01	13	1.61	23.9	30	Pass
4	15	1747.5	QPSK	1	HIGH	22.18	27.15	4.97	13	1.61	23.79	30	Pass
4	15	1747.5	16QAM	75	LOW	20.39	27.78	7.39	13	1.61	22	30	Pass
4	15	1747.5	16QAM	38	LOW	20.42	27.85	7.43	13	1.61	22.03	30	Pass
4	15	1747.5	16QAM	38	MID	20.44	27.96	7.52	13	1.61	22.05	30	Pass
4	15	1747.5	16QAM	38	HIGH	20.41	28.02	7.61	13	1.61	22.02	30	Pass
4	15	1747.5	16QAM	1	LOW	21.88	28.07	6.19	13	1.61	23.49	30	Pass
4	15	1747.5	16QAM	1	MID	22	28.11	6.11	13	1.61	23.61	30	Pass
4	15	1747.5	16QAM	1	HIGH	21.88	27.9	6.02	13	1.61	23.49	30	Pass
4	20	1720	QPSK	100	LOW	21.6	28.47	6.87	13	1.61	23.21	30	Pass
4	20	1720	QPSK	50	LOW	21.58	28.42	6.84	13	1.61	23.19	30	Pass
4	20	1720	QPSK	50	MID	21.6	28.48	6.88	13	1.61	23.21	30	Pass
4	20	1720	QPSK	50	HIGH	21.57	28.46	6.89	13	1.61	23.18	30	Pass
4	20	1720	QPSK	1	LOW	22.3	27.88	5.58	13	1.61	23.91	30	Pass
4	20	1720	QPSK	1	MID	22.65	28.21	5.56	13	1.61	24.26	30	Pass
4	20	1720	QPSK	1	HIGH	22.14	27.79	5.65	13	1.61	23.75	30	Pass
4	20	1720	16QAM	100	LOW	20.63	28.36	7.73	13	1.61	22.24	30	Pass
4	20	1720	16QAM	50	LOW	20.66	28.43	7.77	13	1.61	22.27	30	Pass
4	20	1720	16QAM	50	MID	20.68	28.46	7.78	13	1.61	22.29	30	Pass
4	20	1720	16QAM	50	HIGH	20.62	28.43	7.81	13	1.61	22.23	30	Pass
4	20	1720	16QAM	1	LOW	21.93	27.82	5.89	13	1.61	23.54	30	Pass
4	20	1720	16QAM	1	MID	22.28	28.11	5.83	13	1.61	23.89	30	Pass
4	20	1720	16QAM	1	HIGH	21.76	27.7	5.94	13	1.61	23.37	30	Pass
4	20	1732.5	QPSK	100	LOW	21.44	28.23	6.79	13	1.61	23.05	30	Pass

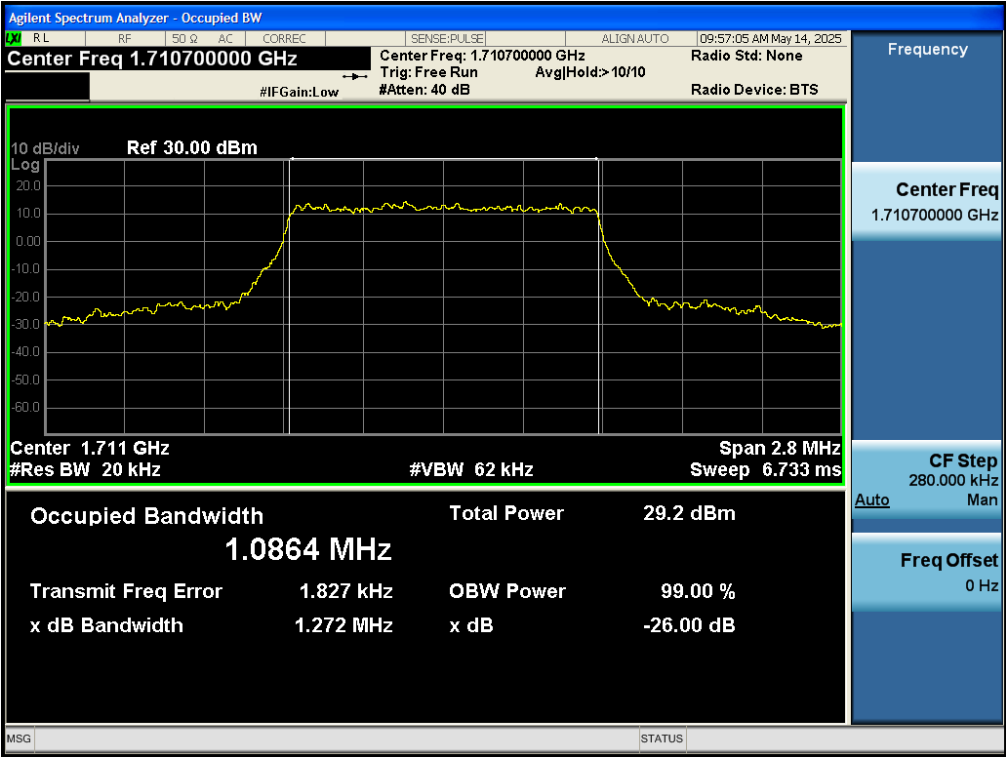
Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)	Peak Power (dBm)	PAR (dB)	Limit (dB)	AntGain (dBi)	EIRP (dBm)	Limit (dBm)	Conclusion
4	20	1732.5	QPSK	50	LOW	21.44	28.33	6.89	13	1.61	23.05	30	Pass
4	20	1732.5	QPSK	50	MID	21.47	28.37	6.90	13	1.61	23.08	30	Pass
4	20	1732.5	QPSK	50	HIGH	21.43	28.22	6.79	13	1.61	23.04	30	Pass
4	20	1732.5	QPSK	1	LOW	22.22	28.01	5.79	13	1.61	23.83	30	Pass
4	20	1732.5	QPSK	1	MID	22.56	28.11	5.55	13	1.61	24.17	30	Pass
4	20	1732.5	QPSK	1	HIGH	22.08	27.73	5.65	13	1.61	23.69	30	Pass
4	20	1732.5	16QAM	100	LOW	20.52	28.38	7.86	13	1.61	22.13	30	Pass
4	20	1732.5	16QAM	50	LOW	20.52	28.69	8.17	13	1.61	22.13	30	Pass
4	20	1732.5	16QAM	50	MID	20.51	28.68	8.17	13	1.61	22.12	30	Pass
4	20	1732.5	16QAM	50	HIGH	20.5	28.52	8.02	13	1.61	22.11	30	Pass
4	20	1732.5	16QAM	1	LOW	21.6	27.76	6.16	13	1.61	23.21	30	Pass
4	20	1732.5	16QAM	1	MID	21.98	27.98	6	13	1.61	23.59	30	Pass
4	20	1732.5	16QAM	1	HIGH	21.44	27.48	6.04	13	1.61	23.05	30	Pass
4	20	1745	QPSK	100	LOW	21.35	28.23	6.88	13	1.61	22.96	30	Pass
4	20	1745	QPSK	50	LOW	21.36	28.09	6.73	13	1.61	22.97	30	Pass
4	20	1745	QPSK	50	MID	21.33	28.08	6.75	13	1.61	22.94	30	Pass
4	20	1745	QPSK	50	HIGH	21.31	28.02	6.71	13	1.61	22.92	30	Pass
4	20	1745	QPSK	1	LOW	22.11	27.41	5.30	13	1.61	23.72	30	Pass
4	20	1745	QPSK	1	MID	22.51	27.57	5.06	13	1.61	24.12	30	Pass
4	20	1745	QPSK	1	HIGH	22.1	27.29	5.19	13	1.61	23.71	30	Pass
4	20	1745	16QAM	100	LOW	20.42	27.87	7.45	13	1.61	22.03	30	Pass
4	20	1745	16QAM	50	LOW	20.4	27.89	7.49	13	1.61	22.01	30	Pass
4	20	1745	16QAM	50	MID	20.4	27.85	7.45	13	1.61	22.01	30	Pass
4	20	1745	16QAM	50	HIGH	20.38	27.77	7.39	13	1.61	21.99	30	Pass
4	20	1745	16QAM	1	LOW	21.37	27.76	6.39	13	1.61	22.98	30	Pass
4	20	1745	16QAM	1	MID	21.74	27.87	6.13	13	1.61	23.35	30	Pass
4	20	1745	16QAM	1	HIGH	21.32	27.58	6.26	13	1.61	22.93	30	Pass

Appendix B: Occupied bandwidth

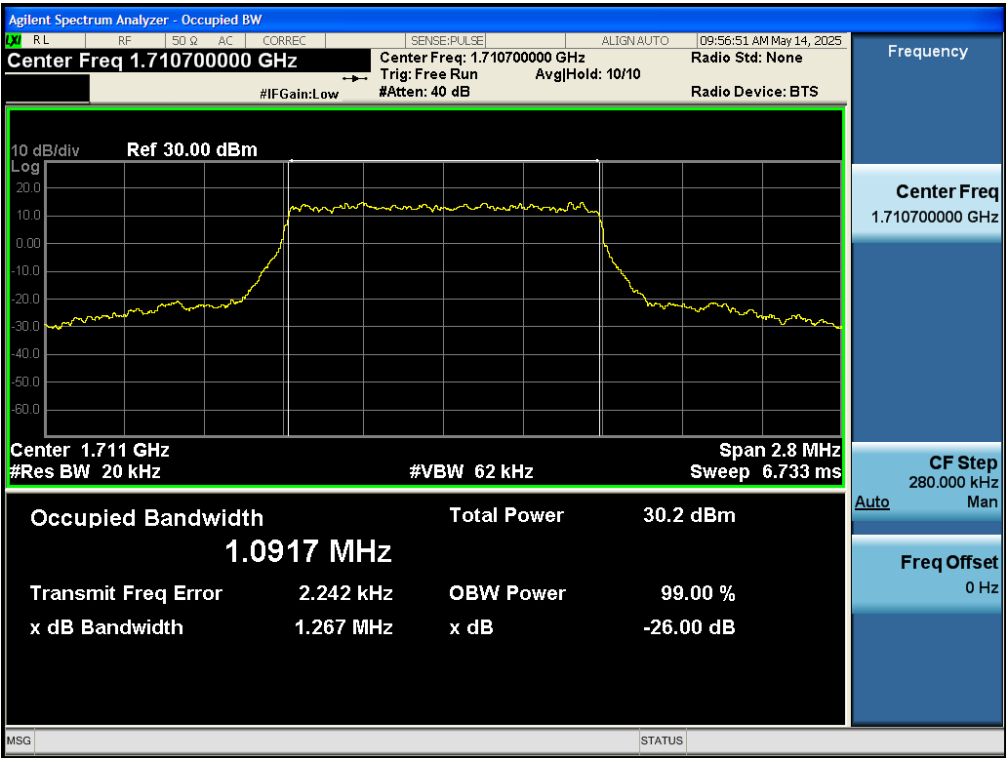
Test Result

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Occupied Bandwidth (MHz)	Emission Bandwidth (MHz)	Limit
4	1.4	1710.7	QPSK	6	LOW	1.092	1.267	No limit
4	1.4	1710.7	16QAM	6	LOW	1.086	1.272	No limit
4	1.4	1732.5	QPSK	6	LOW	1.085	1.252	No limit
4	1.4	1732.5	16QAM	6	LOW	1.089	1.3	No limit
4	1.4	1754.3	QPSK	6	LOW	1.085	1.297	No limit
4	1.4	1754.3	16QAM	6	LOW	1.081	1.256	No limit
4	3	1711.5	QPSK	15	LOW	2.681	2.875	No limit
4	3	1711.5	16QAM	15	LOW	2.677	2.868	No limit
4	3	1732.5	QPSK	15	LOW	2.677	2.851	No limit
4	3	1732.5	16QAM	15	LOW	2.678	2.873	No limit
4	3	1753.5	QPSK	15	LOW	2.686	2.874	No limit
4	3	1753.5	16QAM	15	LOW	2.678	2.861	No limit
4	5	1712.5	QPSK	25	LOW	4.486	4.876	No limit
4	5	1712.5	16QAM	25	LOW	4.473	4.821	No limit
4	5	1732.5	QPSK	25	LOW	4.483	4.814	No limit
4	5	1732.5	16QAM	25	LOW	4.479	4.868	No limit
4	5	1752.5	QPSK	25	LOW	4.471	4.831	No limit
4	5	1752.5	16QAM	25	LOW	4.475	4.857	No limit
4	10	1715	QPSK	50	LOW	8.968	9.677	No limit
4	10	1715	16QAM	50	LOW	8.95	9.514	No limit
4	10	1732.5	QPSK	50	LOW	8.943	9.598	No limit
4	10	1732.5	16QAM	50	LOW	8.955	9.606	No limit
4	10	1750	QPSK	50	LOW	8.955	9.602	No limit
4	10	1750	16QAM	50	LOW	8.955	9.61	No limit
4	15	1717.5	QPSK	75	LOW	13.415	14.294	No limit
4	15	1717.5	16QAM	75	LOW	13.428	14.389	No limit
4	15	1732.5	QPSK	75	LOW	13.422	14.314	No limit
4	15	1732.5	16QAM	75	LOW	13.434	14.276	No limit
4	15	1747.5	QPSK	75	LOW	13.432	14.466	No limit
4	15	1747.5	16QAM	75	LOW	13.44	14.365	No limit
4	20	1720	QPSK	100	LOW	17.89	19.214	No limit
4	20	1720	16QAM	100	LOW	17.874	19.125	No limit
4	20	1732.5	QPSK	100	LOW	17.91	18.949	No limit
4	20	1732.5	16QAM	100	LOW	17.867	19.079	No limit
4	20	1745	QPSK	100	LOW	17.892	19.203	No limit
4	20	1745	16QAM	100	LOW	17.902	19.188	No limit

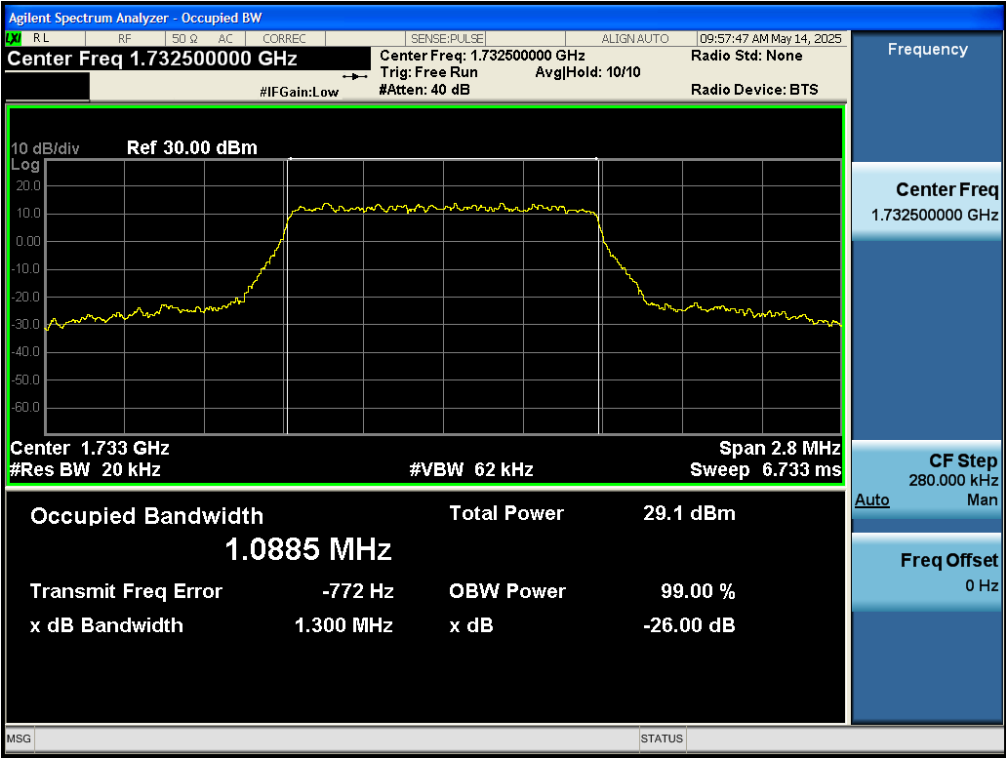
Test Graphs



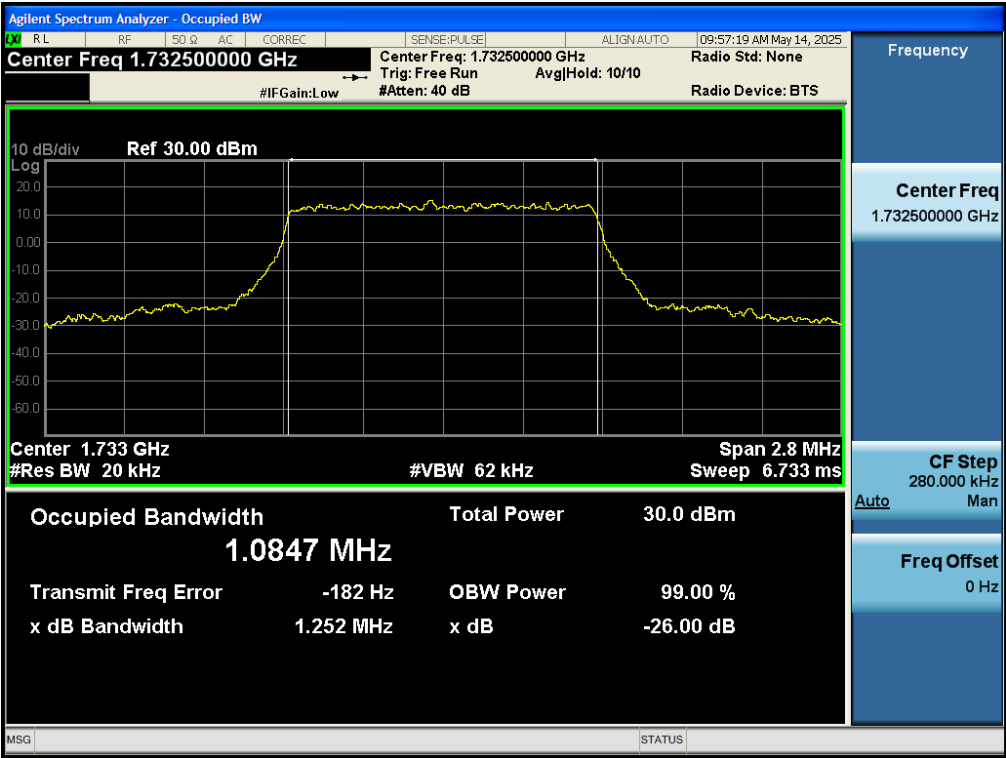
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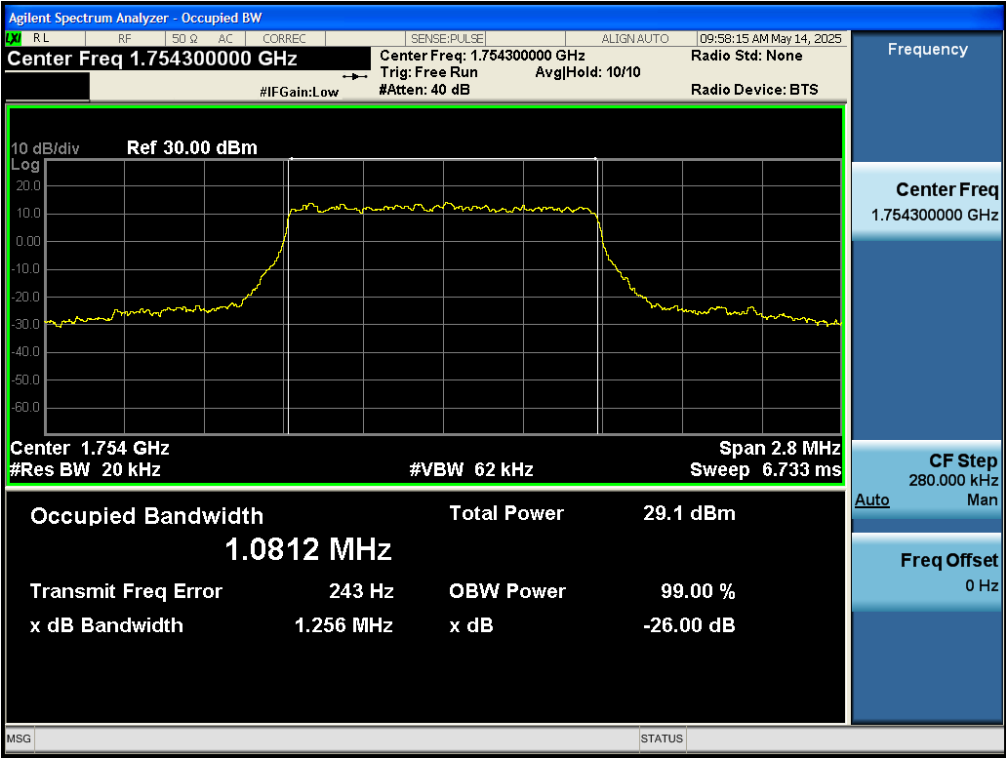
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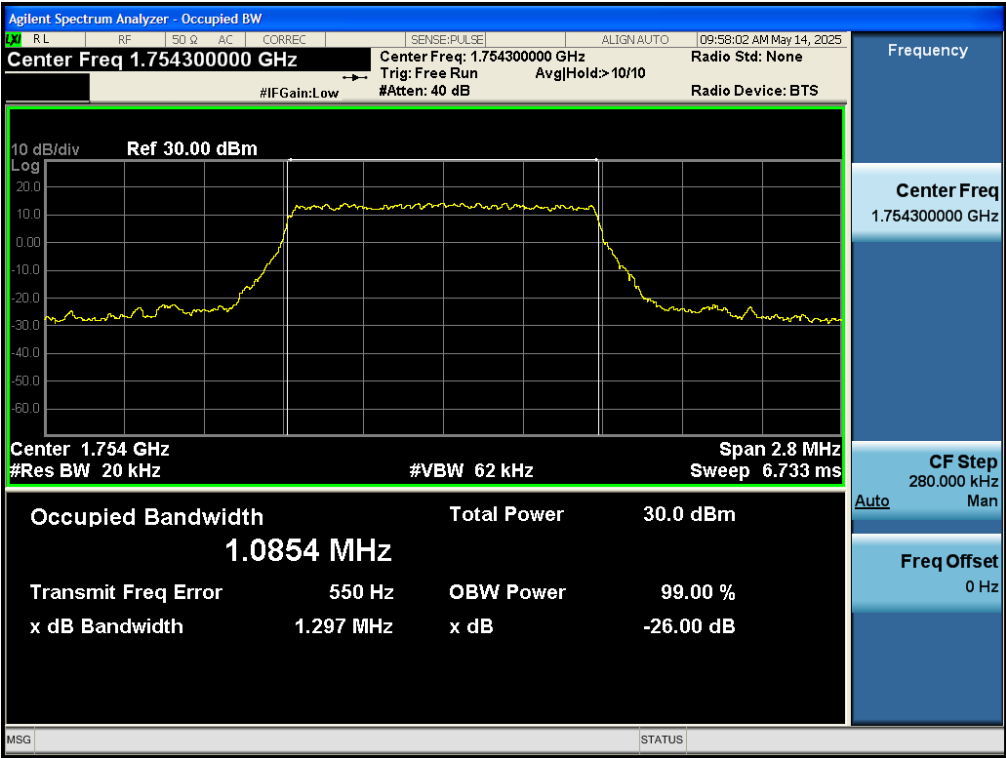
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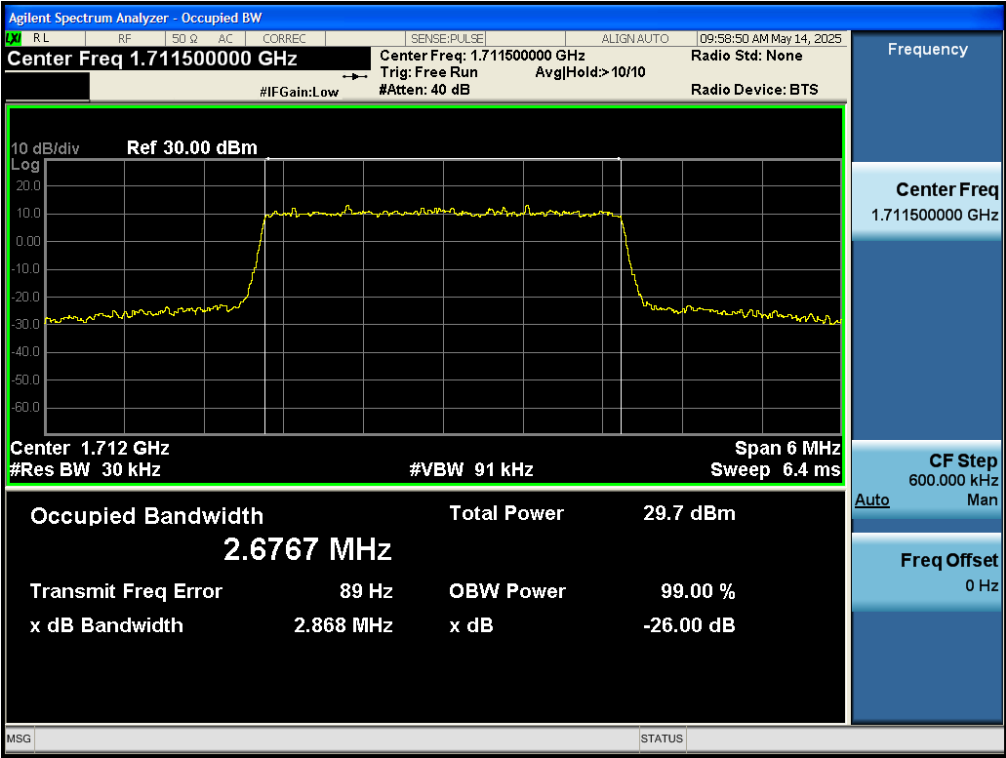
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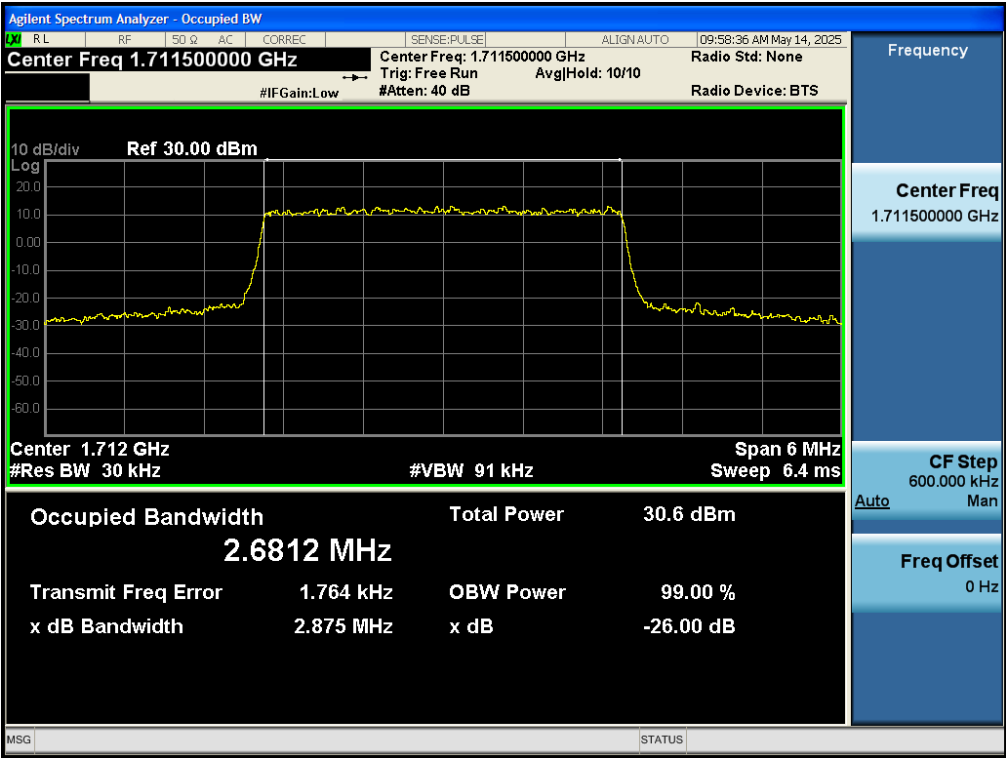
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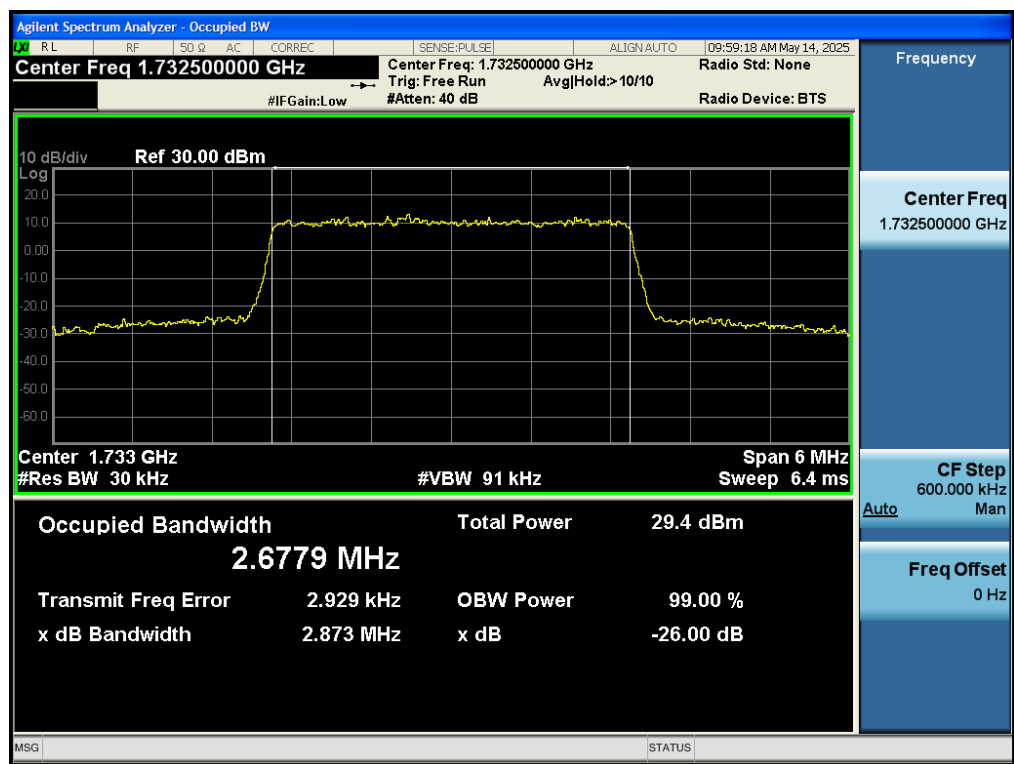
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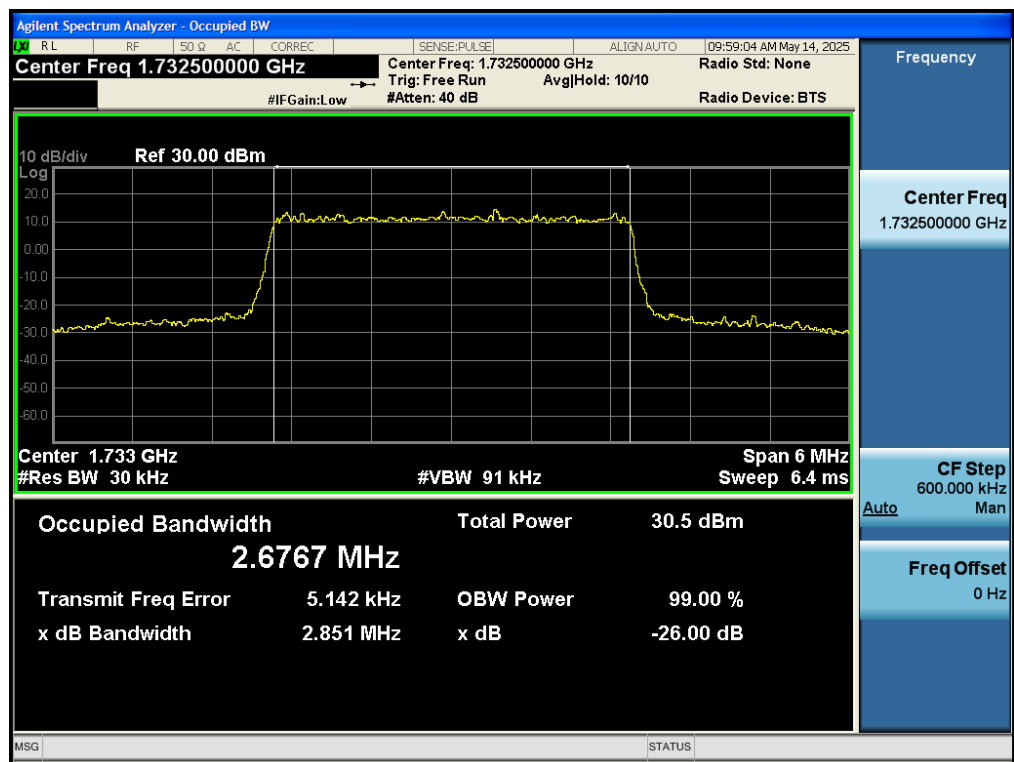
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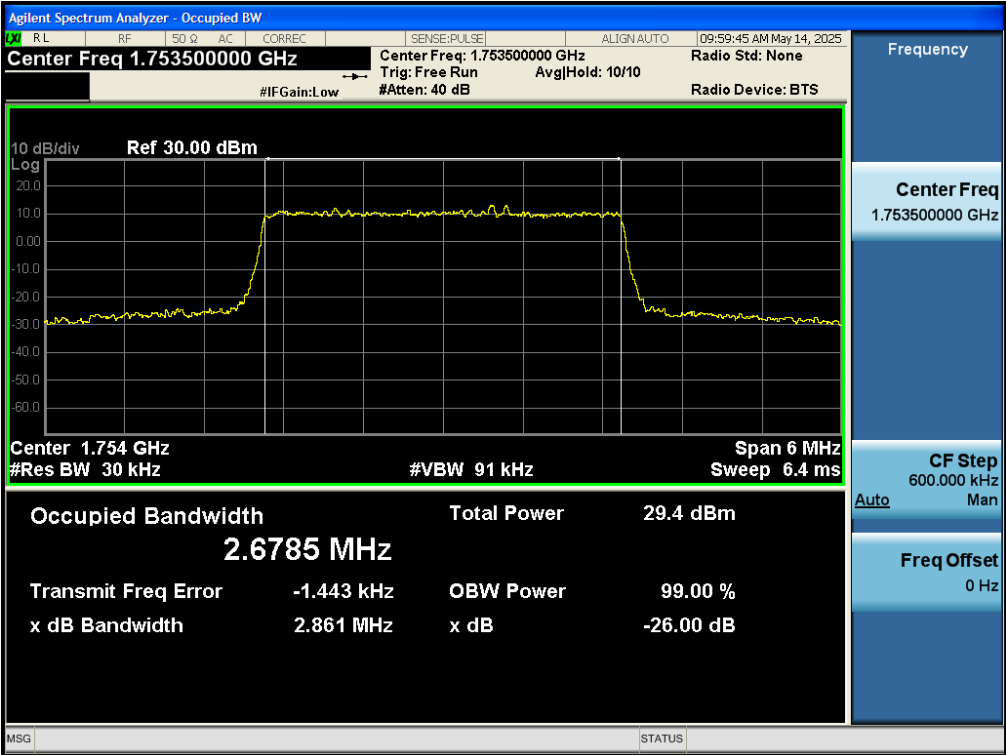
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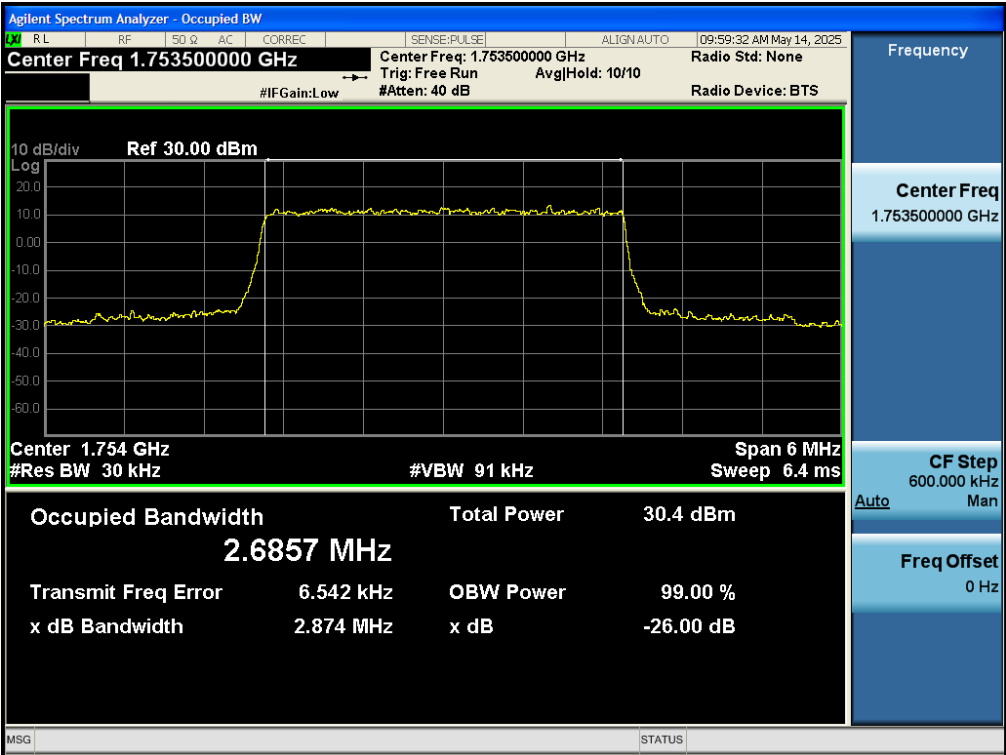
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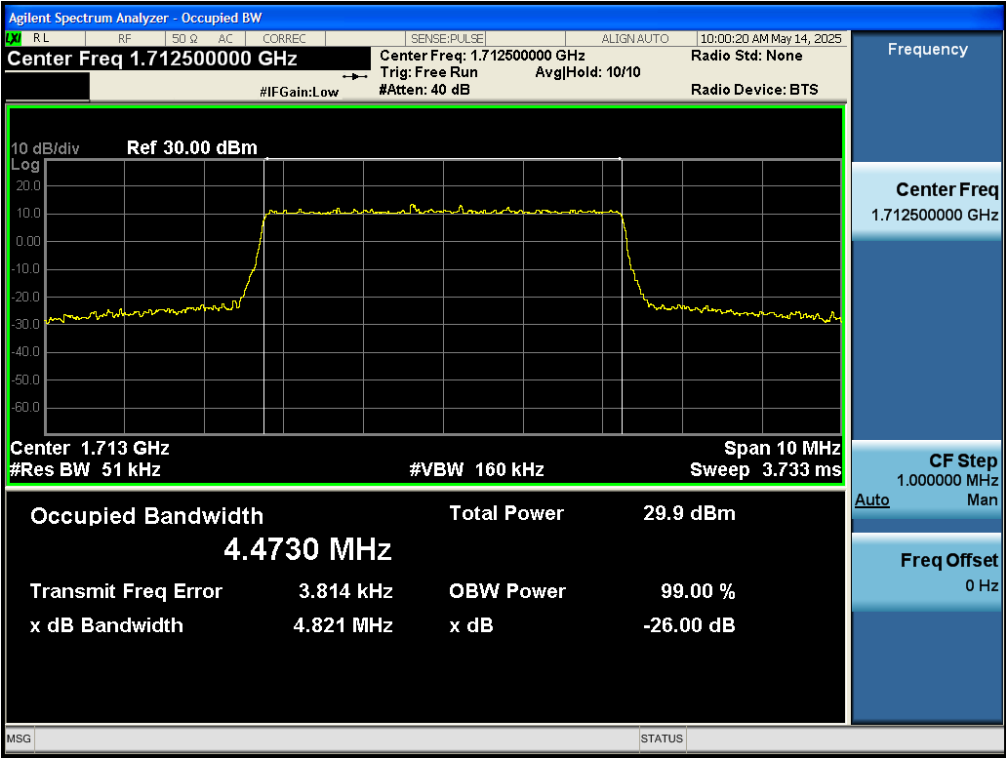
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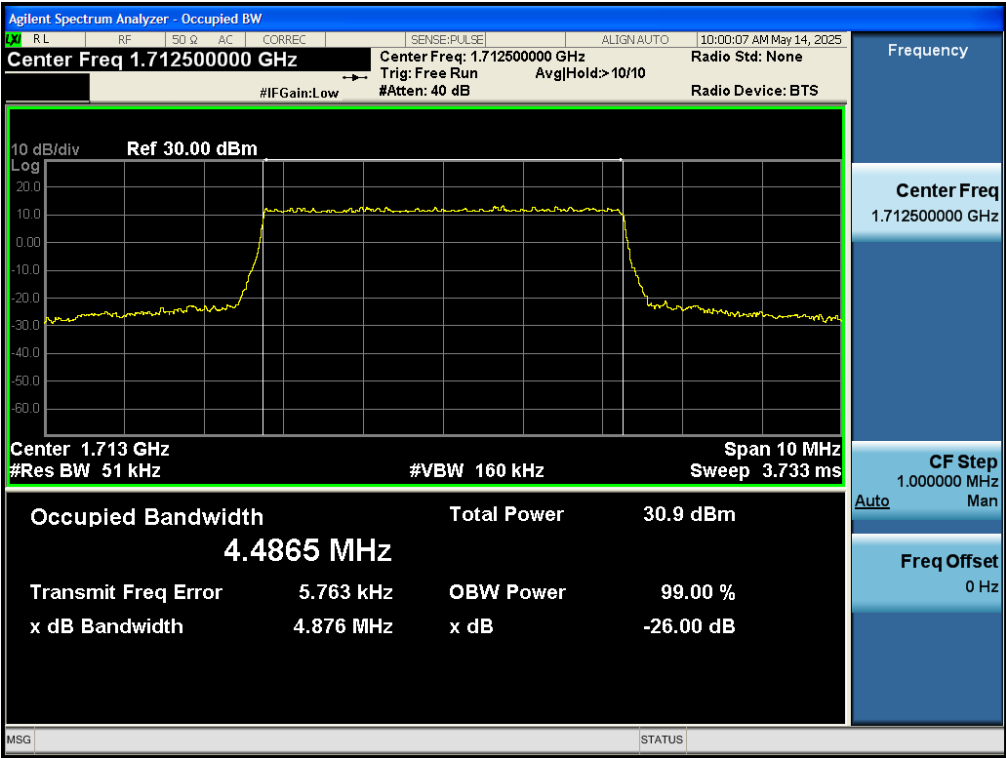
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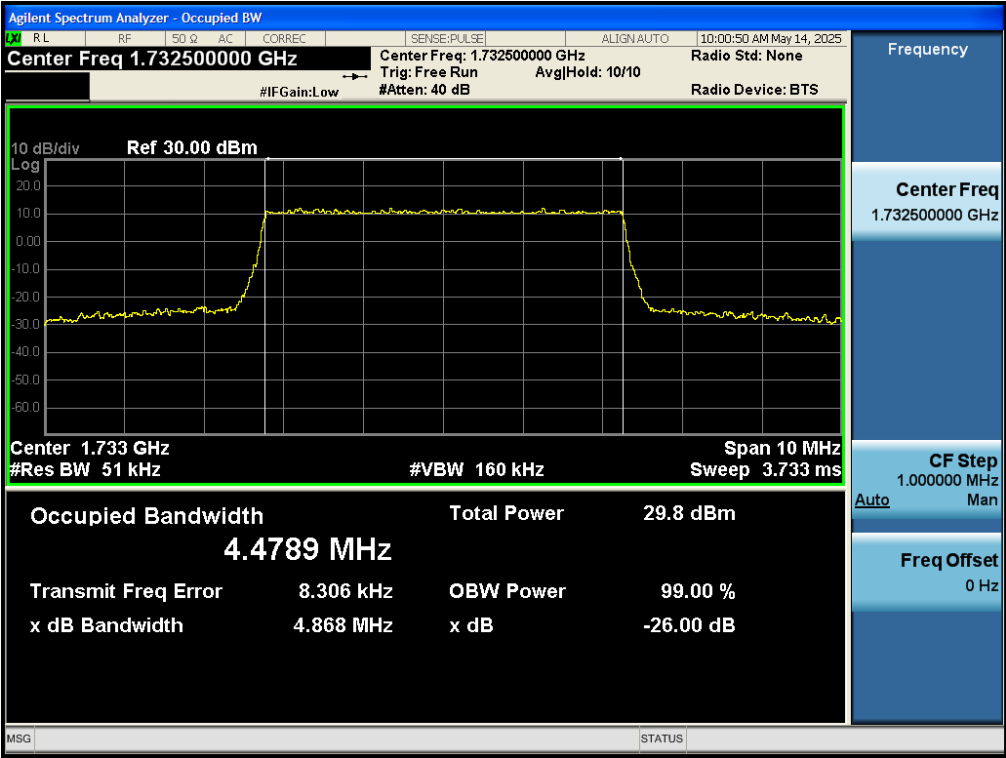
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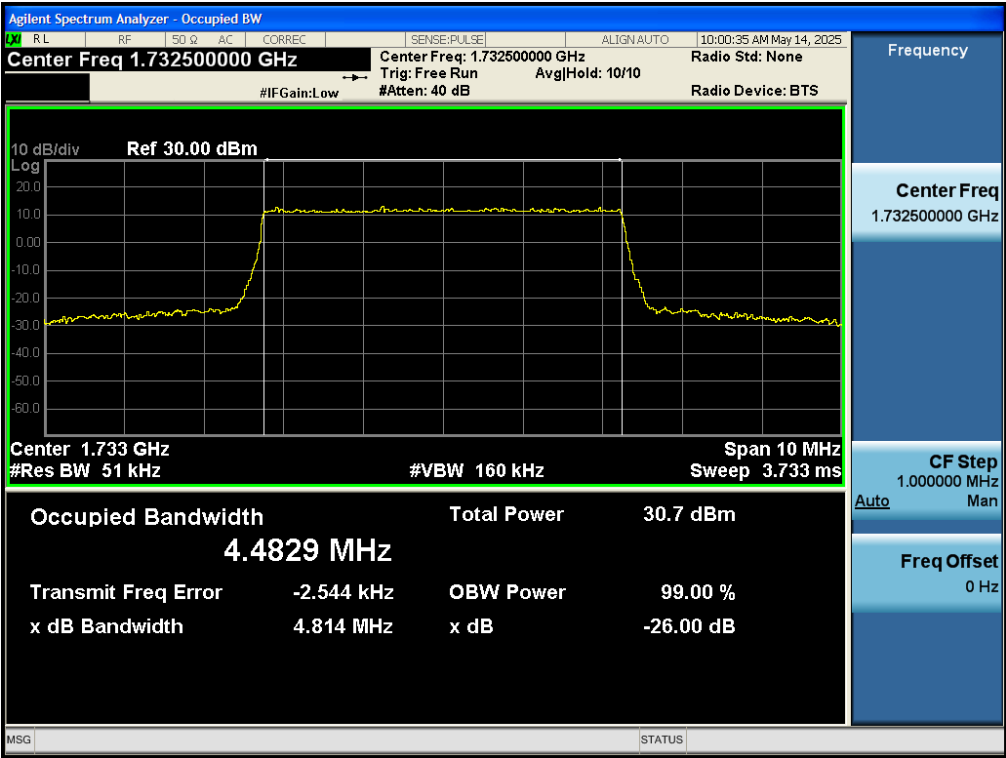
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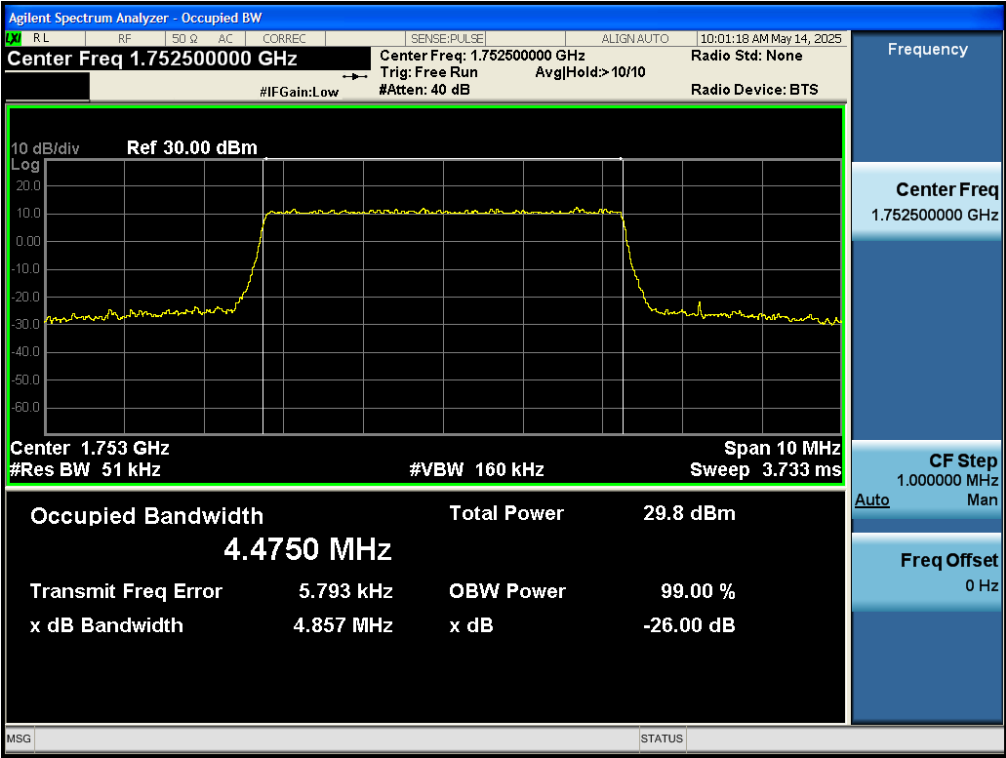
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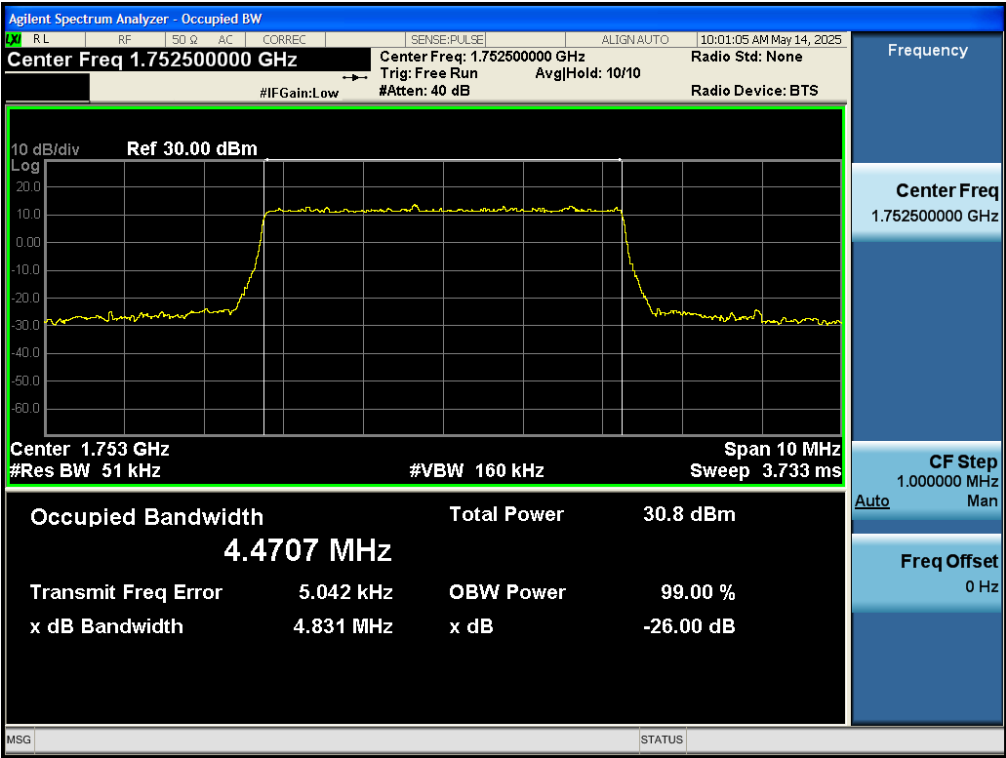
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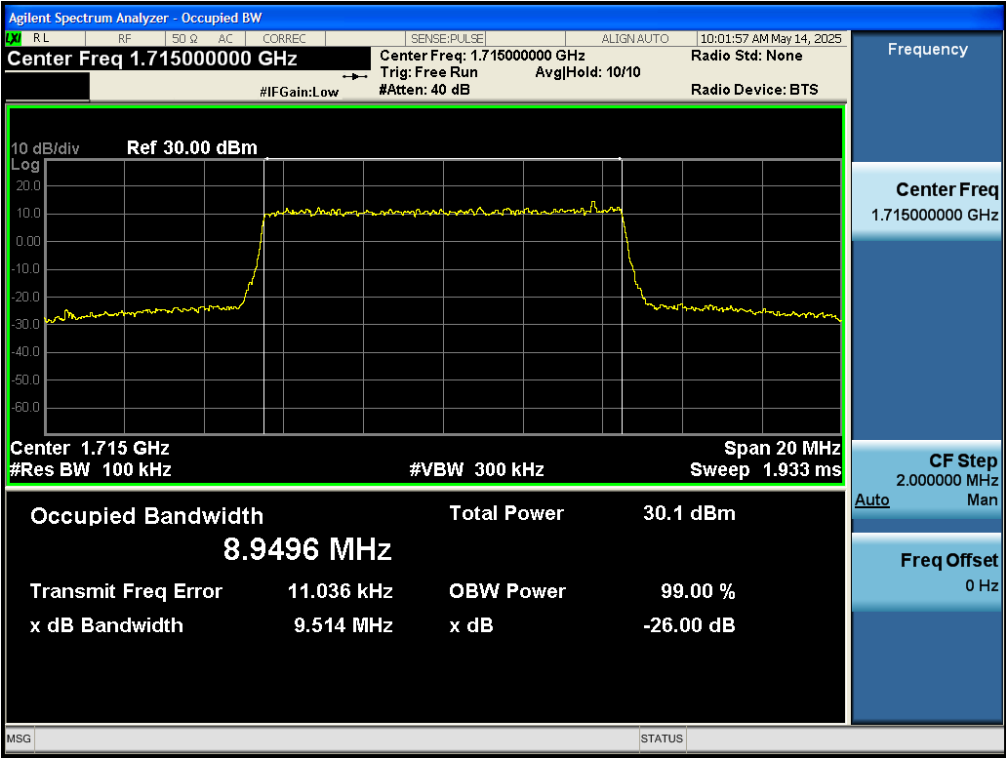
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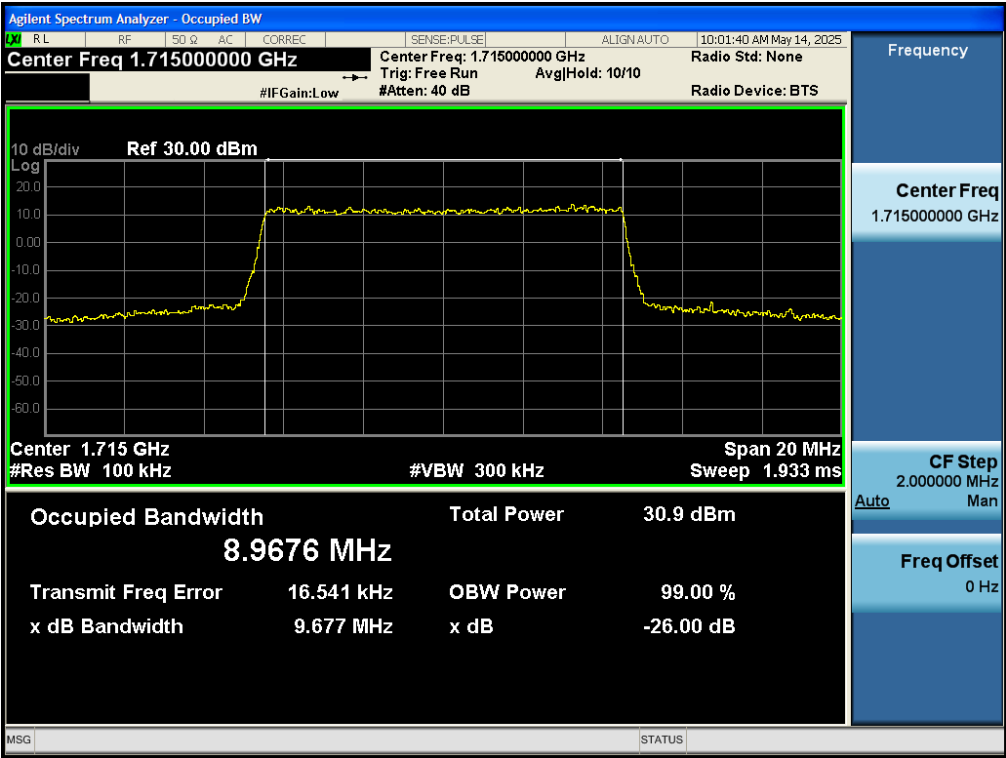
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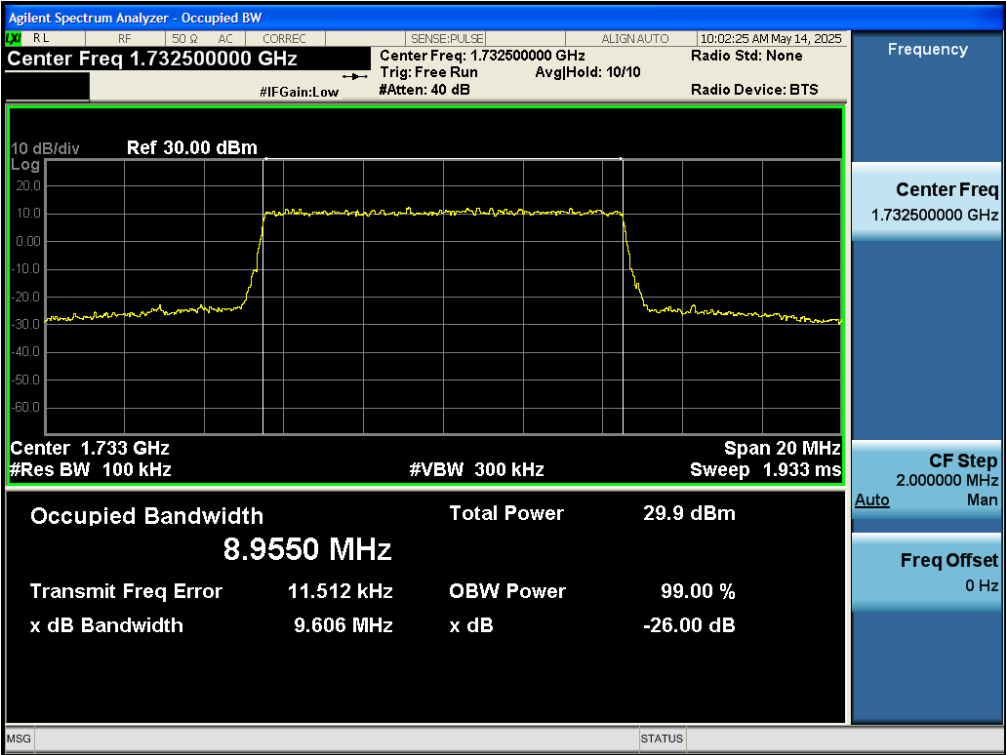
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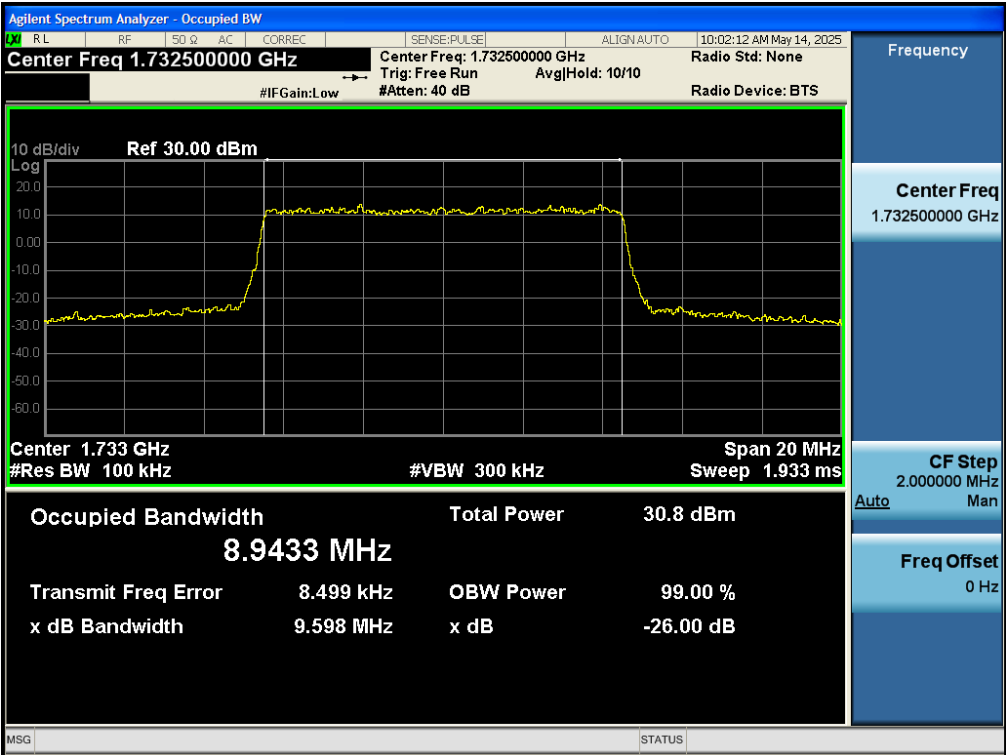
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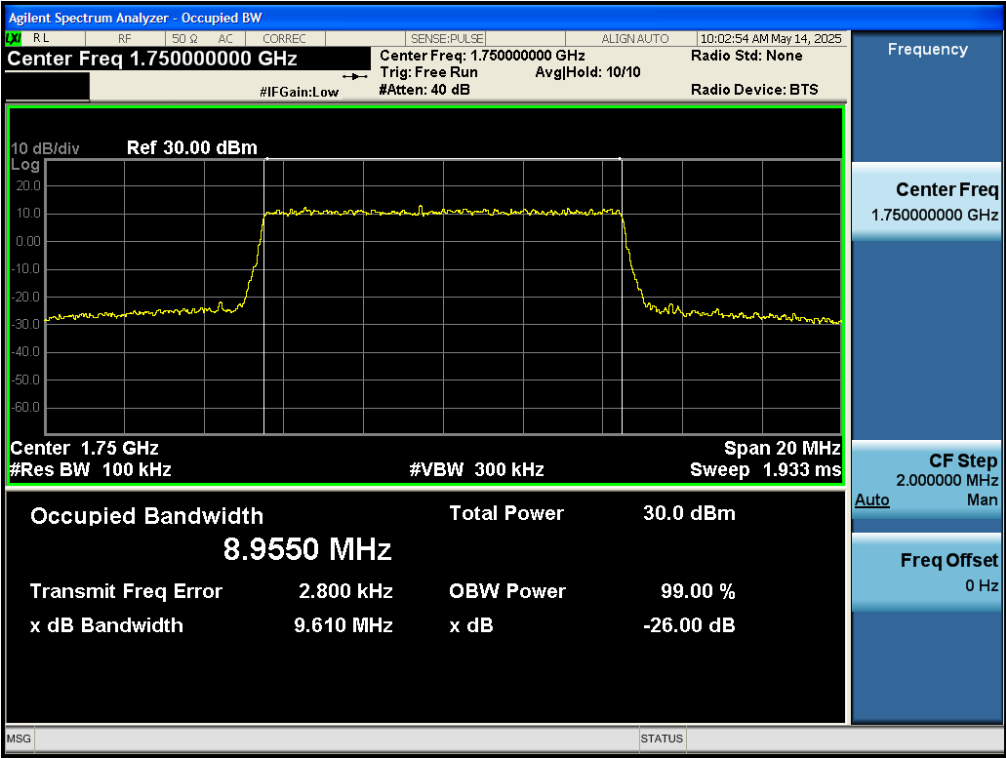
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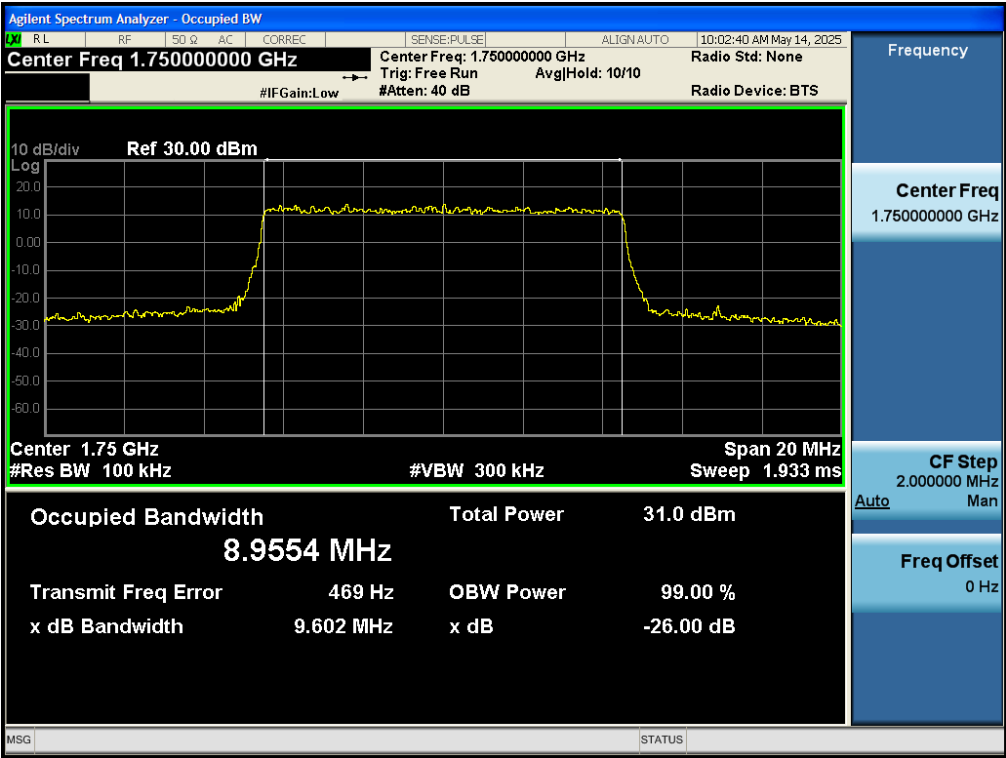
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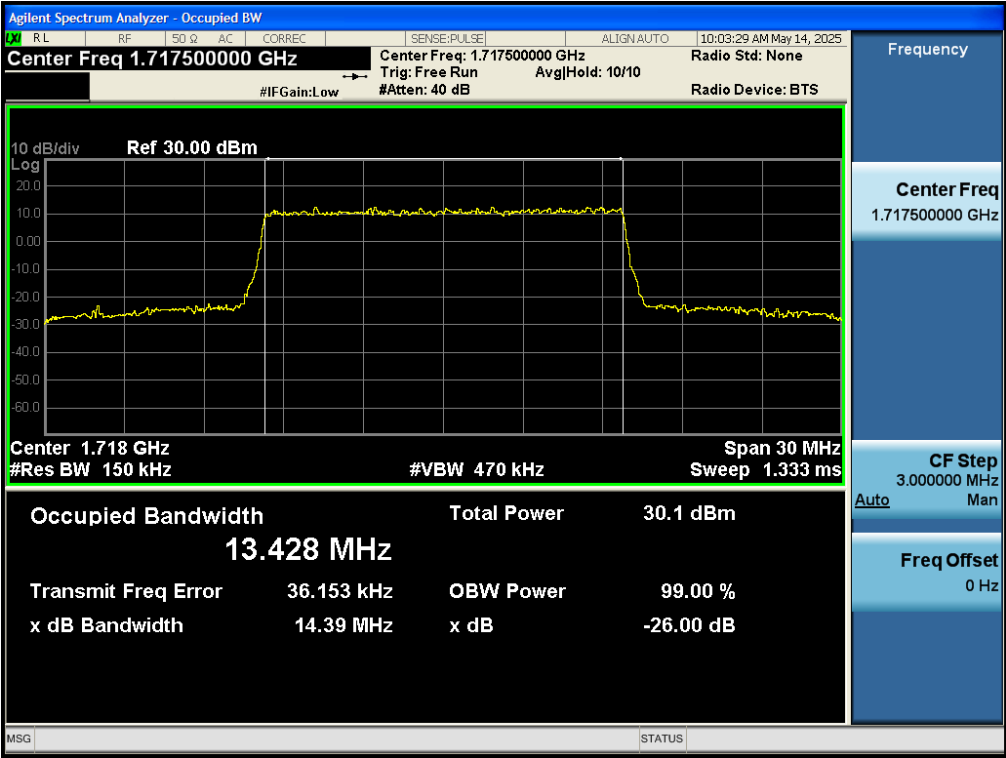
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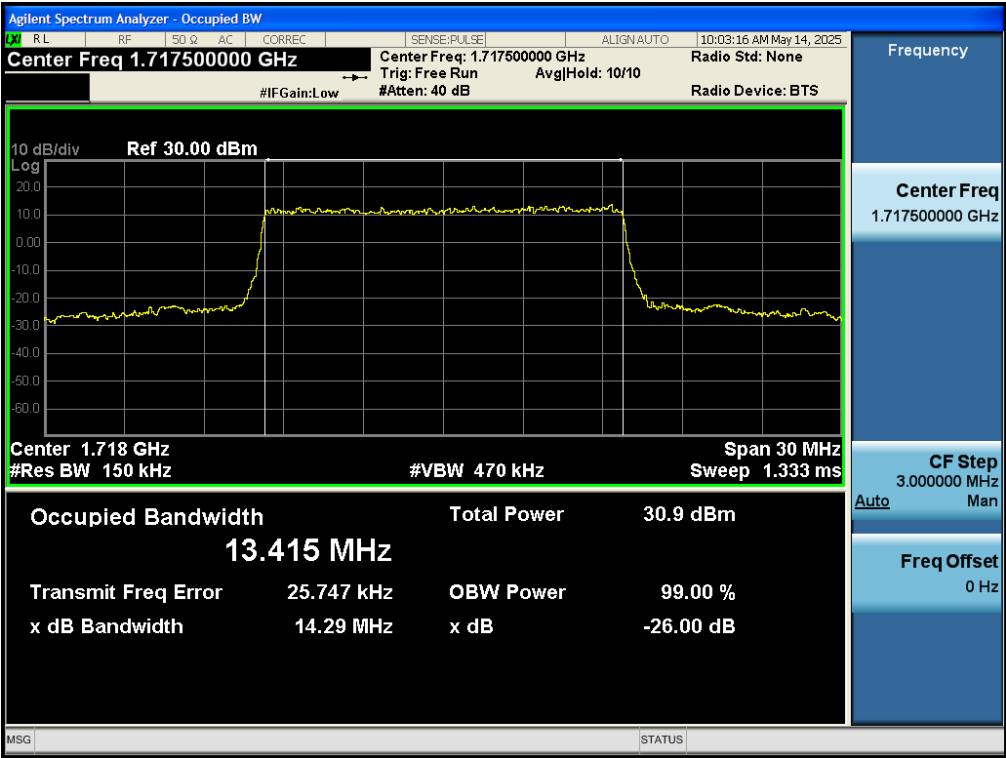
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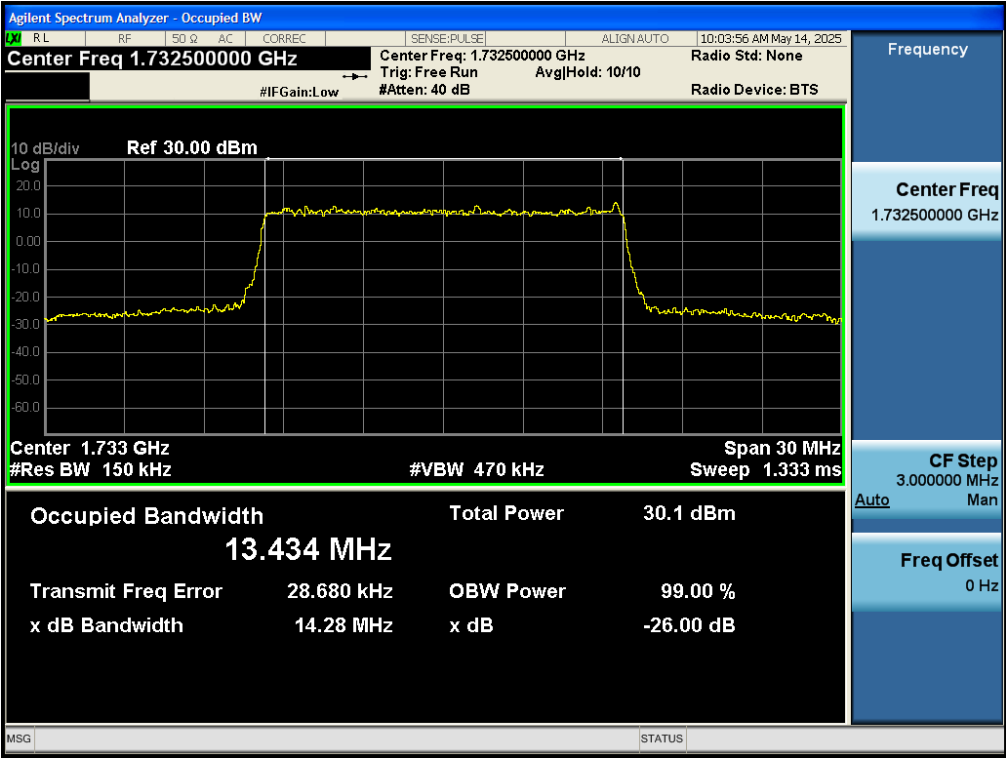
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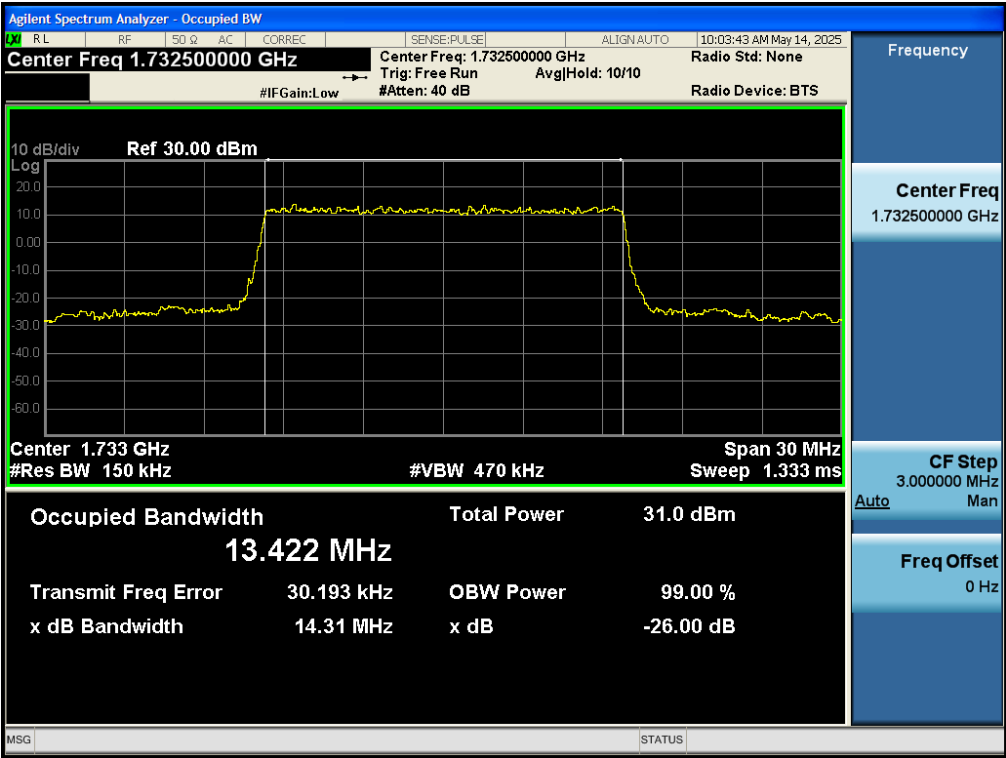
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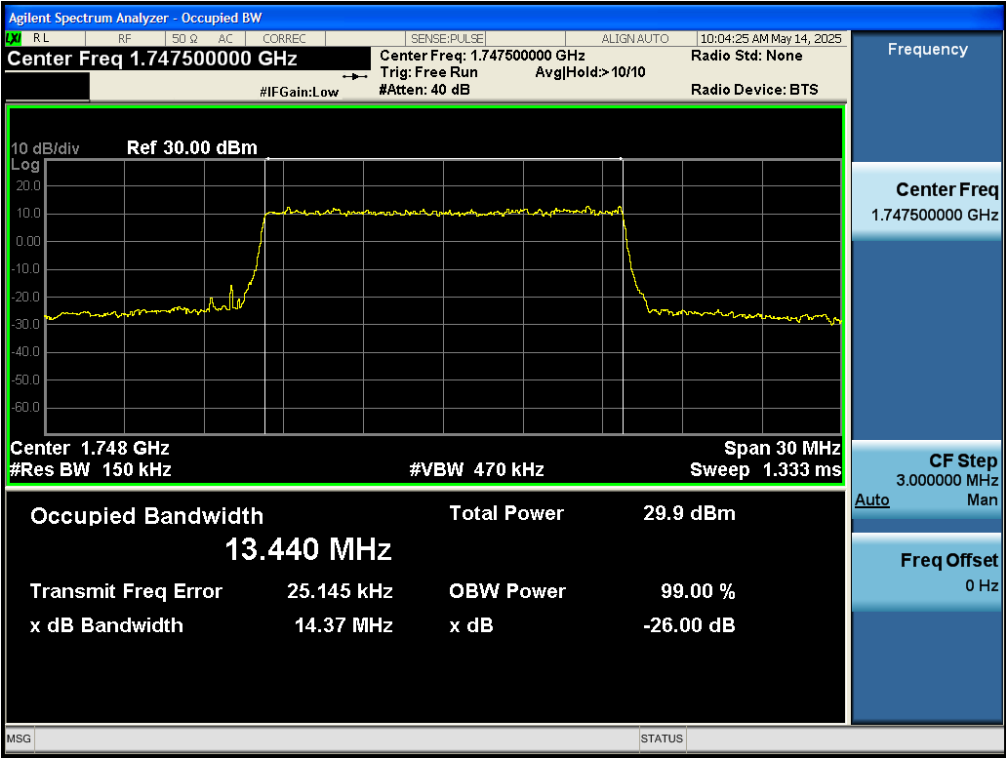
Test_Graph_band4_1717.5MHz_15M_QPSK_75RB#LOW_OBW&EBW



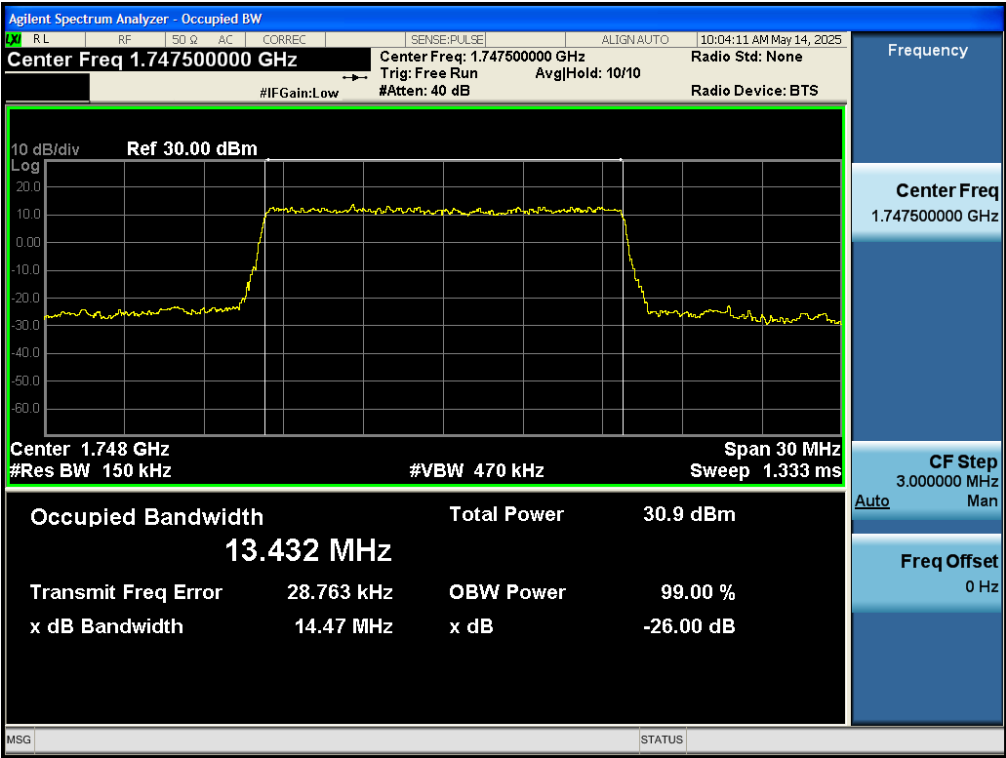
Test_Graph_band4_1732.5MHz_15M_16QAM_75RB#LOW_OBW&EBW



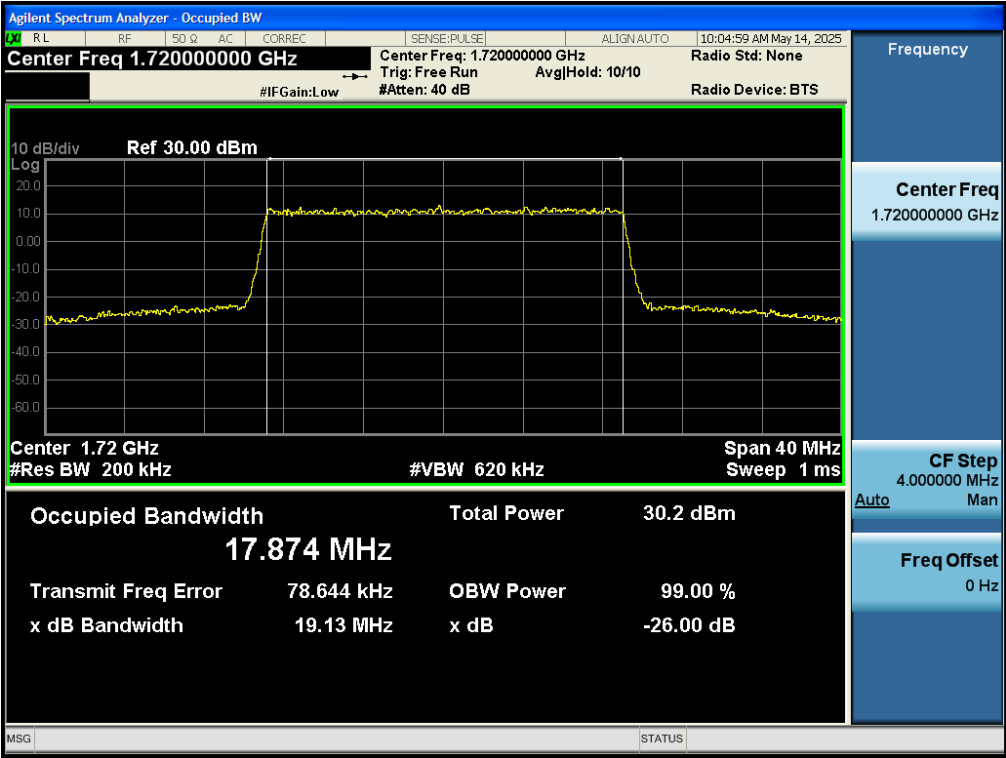
Test_Graph_band4_1732.5MHz_15M_QPSK_75RB#LOW_OBW&EBW



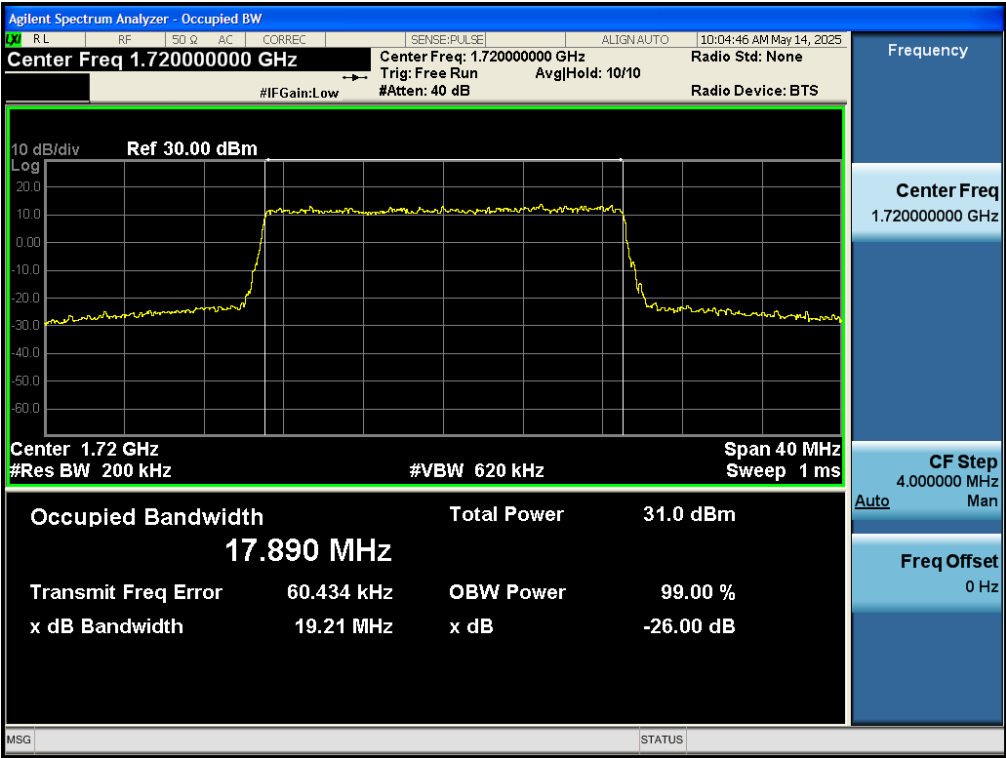
Test_Graph_band4_1747.5MHz_15M_16QAM_75RB#LOW_OBW&EBW



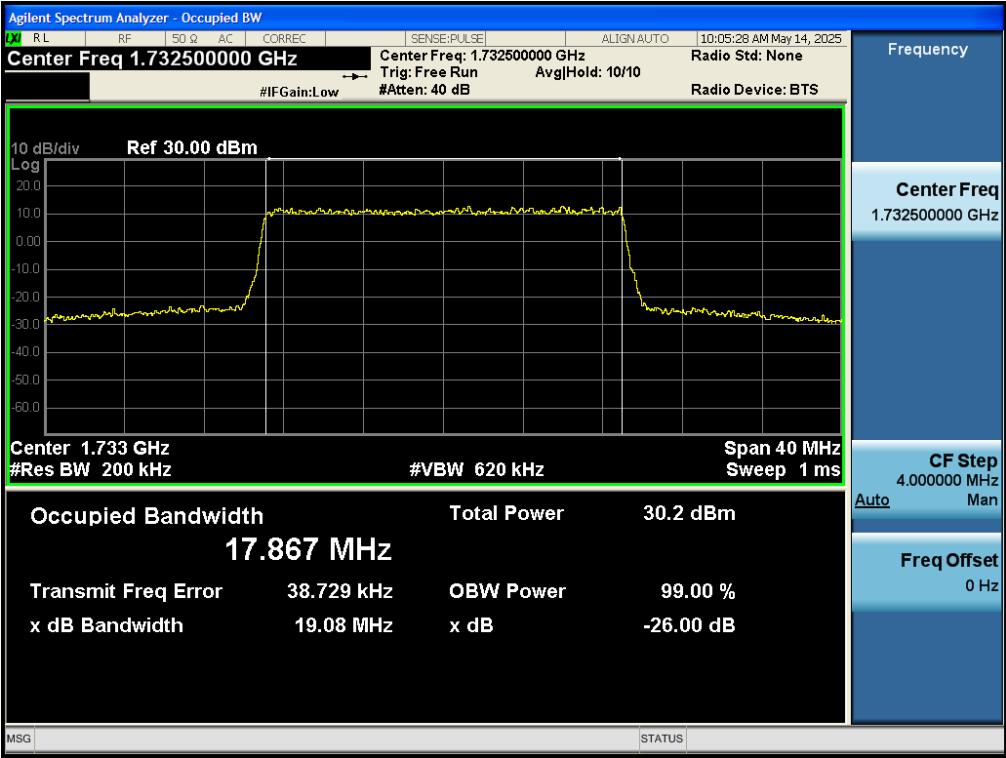
Test_Graph_band4_1747.5MHz_15M_QPSK_75RB#LOW_OBW&EBW



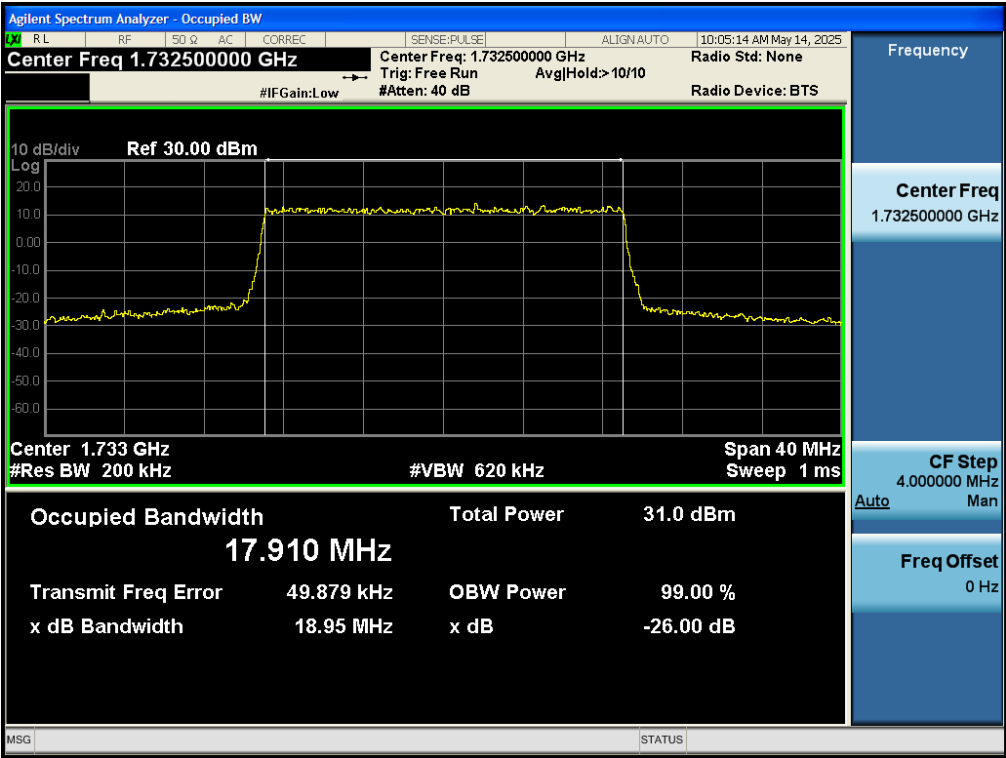
Test_Graph_band4_1720MHz_20M_16QAM_100RB#LOW_OBW&EBW



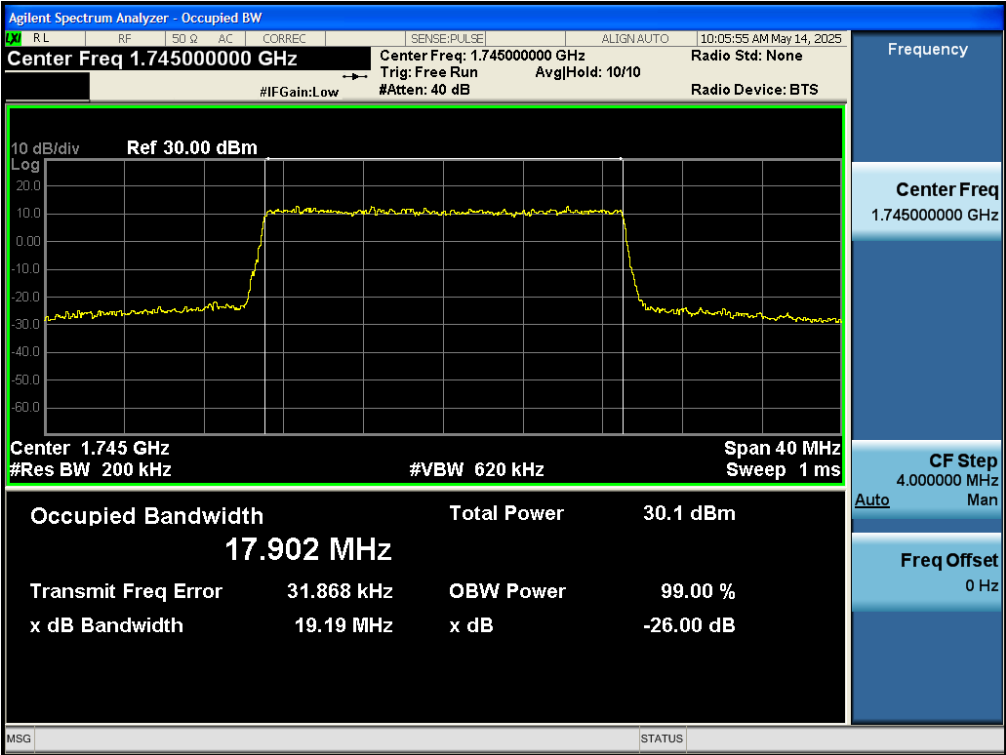
Test_Graph_band4_1720MHz_20M_QPSK_100RB#LOW_OBW&EBW



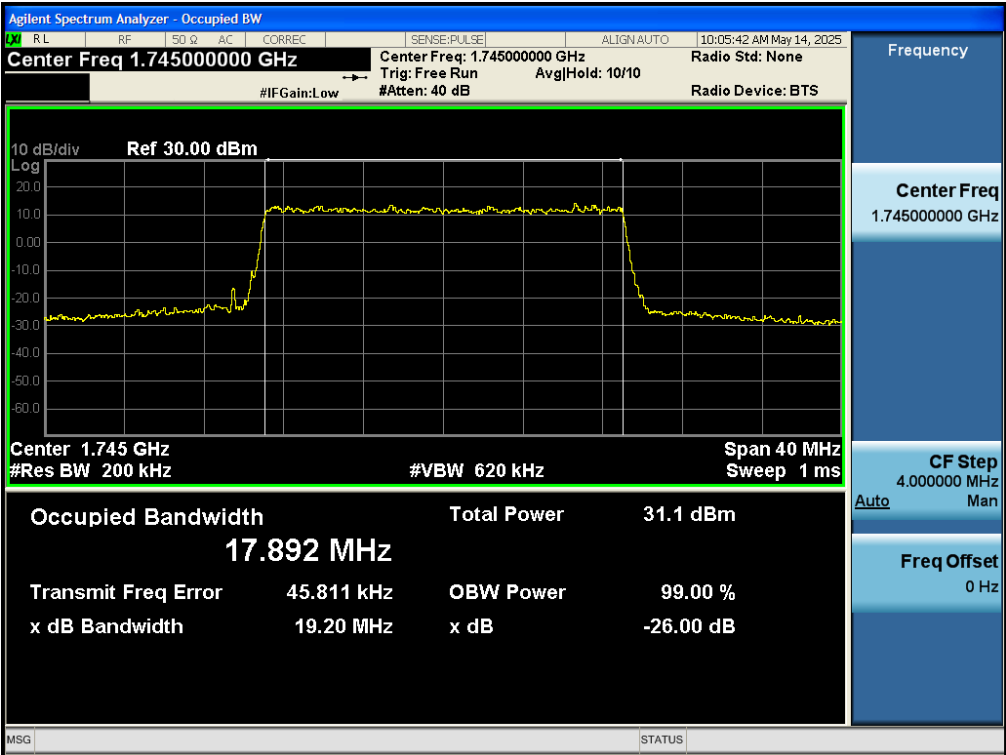
Test_Graph_band4_1732.5MHz_20M_16QAM_100RB#LOW_OBW&EBW



Test_Graph_band4_1732.5MHz_20M_QPSK_100RB#LOW_OBW&EBW



Test_Graph_band4_1745MHz_20M_16QAM_100RB#LOW_OBW&EBW



Test_Graph_band4_1745MHz_20M_QPSK_100RB#LOW_OBW&EBW

Appendix C: Band edge emissions

Test Result

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Conclusion
4	1.4	1710.7	QPSK	1	LOW	Pass
4	1.4	1710.7	QPSK	6	LOW	Pass
4	1.4	1710.7	16QAM	1	LOW	Pass
4	1.4	1710.7	16QAM	6	LOW	Pass
4	1.4	1754.3	QPSK	1	HIGH	Pass
4	1.4	1754.3	QPSK	6	LOW	Pass
4	1.4	1754.3	16QAM	1	HIGH	Pass
4	1.4	1754.3	16QAM	6	LOW	Pass
4	3	1711.5	QPSK	1	LOW	Pass
4	3	1711.5	QPSK	15	LOW	Pass
4	3	1711.5	16QAM	1	LOW	Pass
4	3	1711.5	16QAM	15	LOW	Pass
4	3	1753.5	QPSK	1	HIGH	Pass
4	3	1753.5	QPSK	15	LOW	Pass
4	3	1753.5	16QAM	1	HIGH	Pass
4	3	1753.5	16QAM	15	LOW	Pass
4	5	1712.5	QPSK	1	LOW	Pass
4	5	1712.5	QPSK	25	LOW	Pass
4	5	1712.5	16QAM	1	LOW	Pass
4	5	1712.5	16QAM	25	LOW	Pass
4	5	1752.5	QPSK	1	HIGH	Pass
4	5	1752.5	QPSK	25	LOW	Pass
4	5	1752.5	16QAM	1	HIGH	Pass
4	5	1752.5	16QAM	25	LOW	Pass
4	10	1715	QPSK	1	LOW	Pass
4	10	1715	QPSK	50	LOW	Pass
4	10	1715	16QAM	1	LOW	Pass
4	10	1715	16QAM	50	LOW	Pass
4	10	1750	QPSK	1	HIGH	Pass
4	10	1750	QPSK	50	LOW	Pass
4	10	1750	16QAM	1	HIGH	Pass
4	10	1750	16QAM	50	LOW	Pass
4	15	1717.5	QPSK	1	LOW	Pass
4	15	1717.5	QPSK	75	LOW	Pass
4	15	1717.5	16QAM	1	LOW	Pass
4	15	1717.5	16QAM	75	LOW	Pass
4	15	1747.5	QPSK	1	HIGH	Pass

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Conclusion
4	15	1747.5	QPSK	75	LOW	Pass
4	15	1747.5	16QAM	1	HIGH	Pass
4	15	1747.5	16QAM	75	LOW	Pass
4	20	1720	QPSK	1	LOW	Pass
4	20	1720	QPSK	100	LOW	Pass
4	20	1720	16QAM	1	LOW	Pass
4	20	1720	16QAM	100	LOW	Pass
4	20	1745	QPSK	1	HIGH	Pass
4	20	1745	QPSK	100	LOW	Pass
4	20	1745	16QAM	1	HIGH	Pass
4	20	1745	16QAM	100	LOW	Pass

Test Graphs



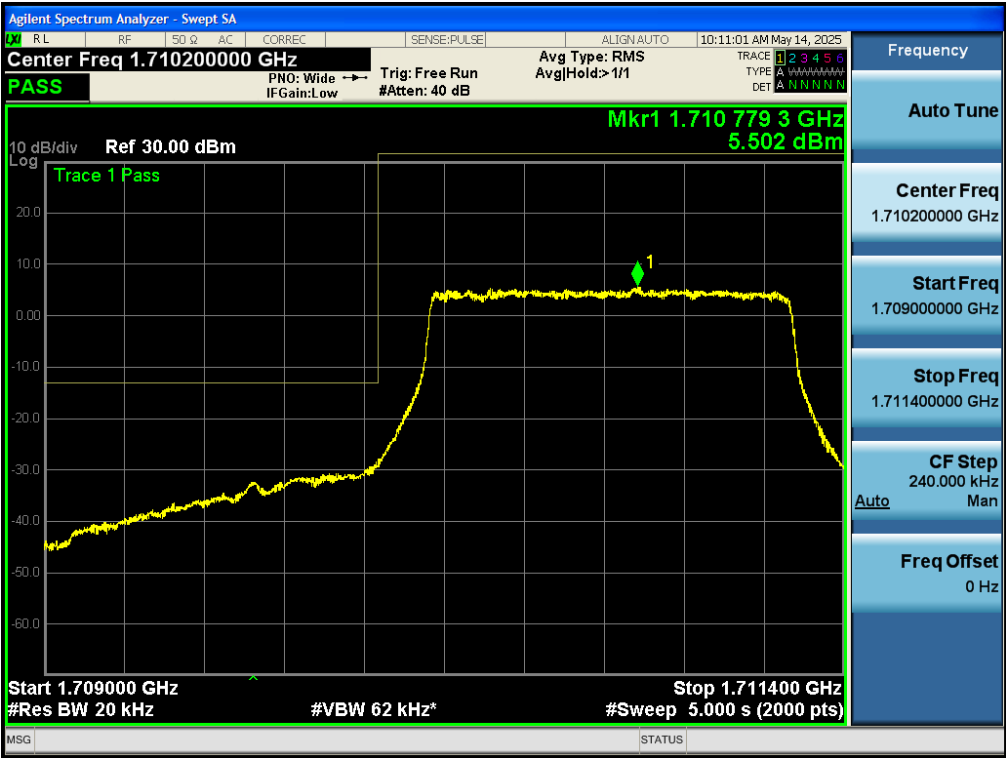
Test_Graph_band4_1710.7MHz_1.4M_16QAM_1RB#LOW_Band edge



Test_Graph_band4_1710.7MHz_1.4M_16QAM_6RB#LOW_Band edge



Test_Graph_band4_1710.7MHz_1.4M_QPSK_1RB#LOW_Band edge



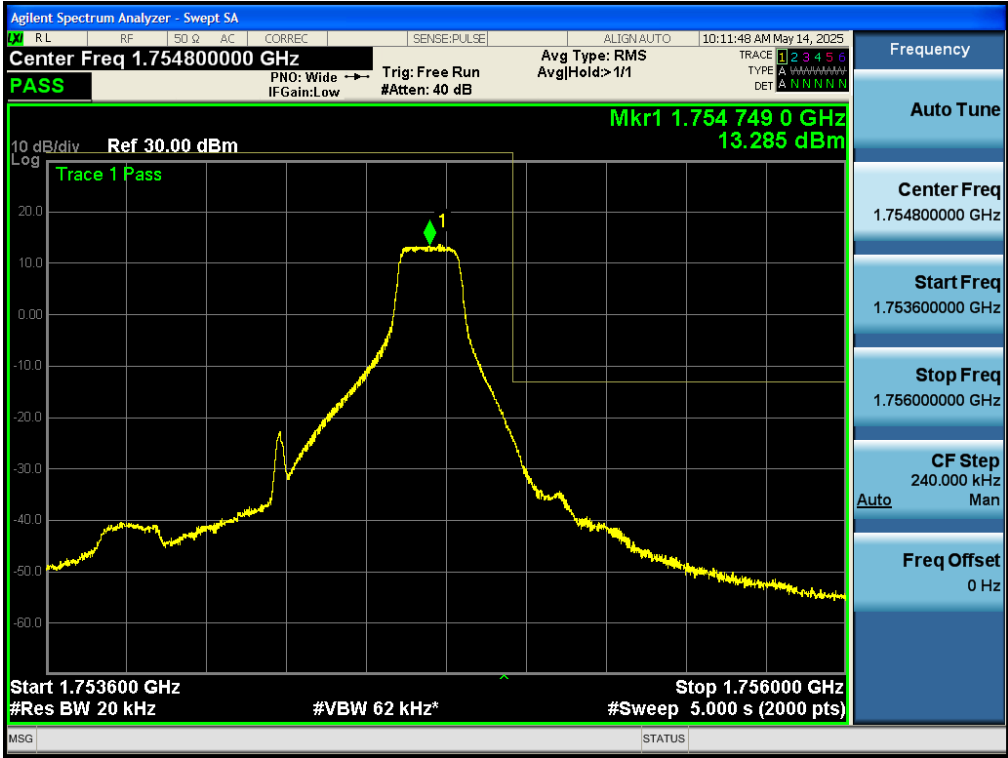
Test_Graph_band4_1710.7MHz_1.4M_QPSK_6RB#LOW_Band edge



Test_Graph_band4_1754.3MHz_1.4M_16QAM_1RB#HIGH_Band edge



Test_Graph_band4_1754.3MHz_1.4M_16QAM_6RB#LOW_Band edge



Test_Graph_band4_1754.3MHz_1.4M_QPSK_1RB#HIGH_Band edge



Test_Graph_band4_1754.3MHz_1.4M_QPSK_6RB#LOW_Band edge



Test_Graph_band4_1711.5MHz_3M_16QAM_15RB#LOW_Band edge



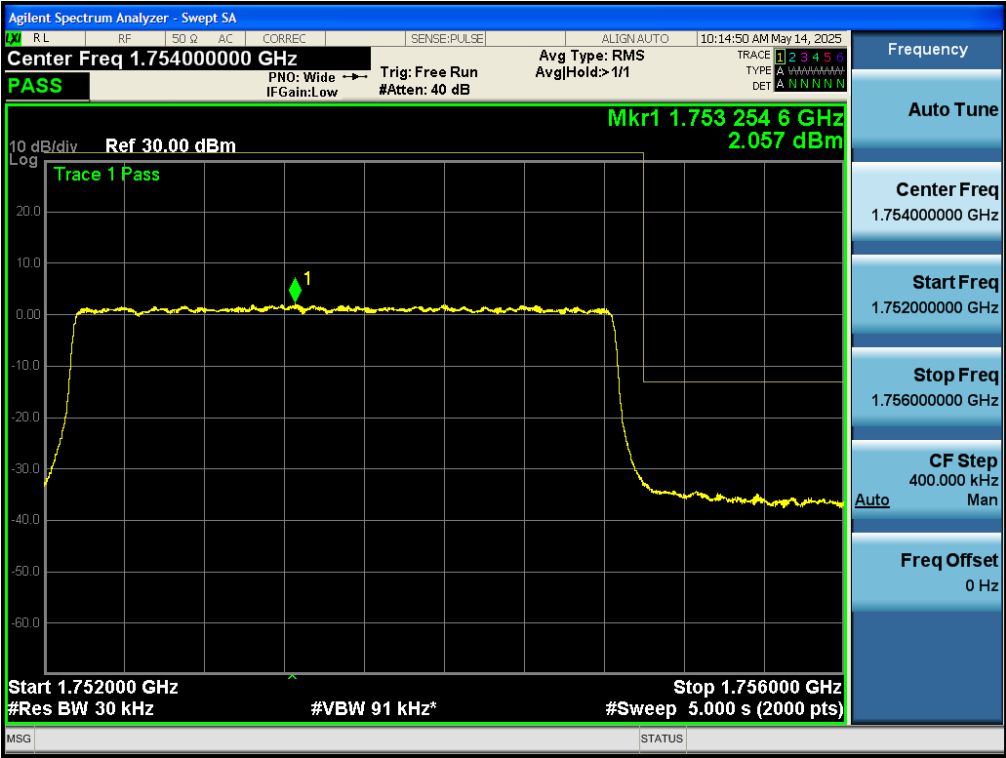
Test_Graph_band4_1711.5MHz_3M_16QAM_1RB#LOW_Band edge



Test_Graph_band4_1711.5MHz_3M_QPSK_15RB#LOW_Band edge



Test_Graph_band4_1711.5MHz_3M_QPSK_1RB#LOW_Band edge



Test_Graph_band4_1753.5MHz_3M_16QAM_15RB#LOW_Band edge



Test_Graph_band4_1753.5MHz_3M_16QAM_1RB#HIGH_Band edge



Test_Graph_band4_1753.5MHz_3M_QPSK_15RB#LOW_Band edge



Test_Graph_band4_1753.5MHz_3M_QPSK_1RB#HIGH_Band edge



Test_Graph_band4_1712.5MHz_5M_16QAM_1RB#LOW_Band edge



Test_Graph_band4_1712.5MHz_5M_16QAM_25RB#LOW_Band edge



Test_Graph_band4_1712.5MHz_5M_QPSK_1RB#LOW_Band edge



Test_Graph_band4_1712.5MHz_5M_QPSK_25RB#LOW_Band edge



Test_Graph_band4_1752.5MHz_5M_16QAM_1RB#HIGH_Band edge



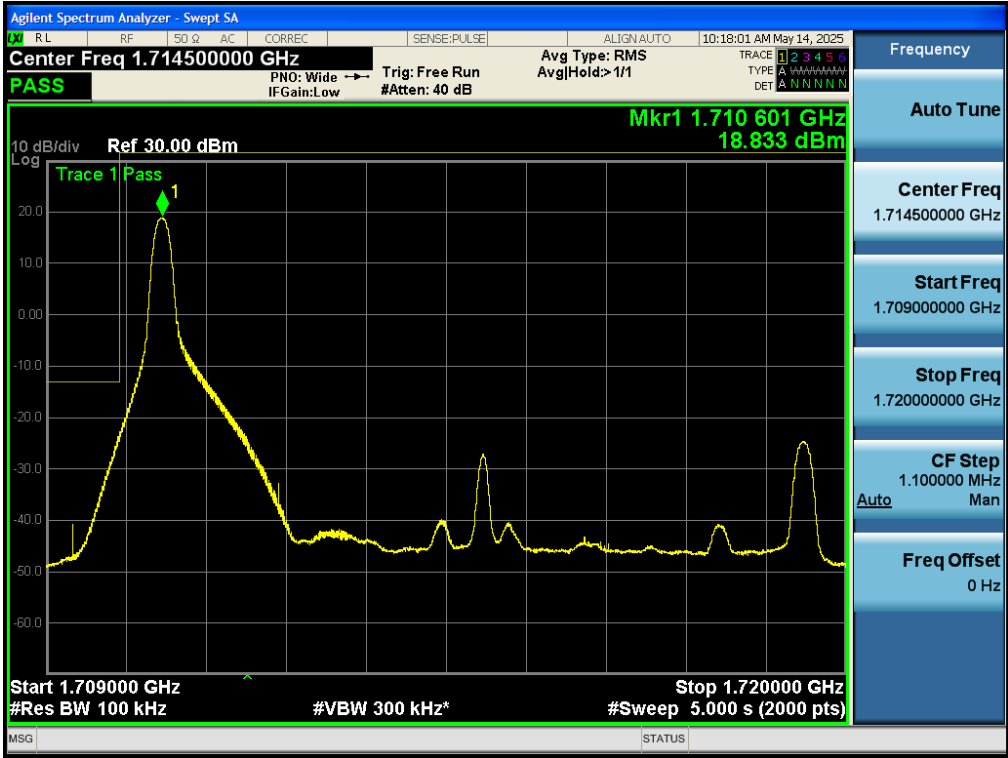
Test_Graph_band4_1752.5MHz_5M_16QAM_25RB#LOW_Band edge



Test_Graph_band4_1752.5MHz_5M_QPSK_1RB#HIGH_Band edge



Test_Graph_band4_1752.5MHz_5M_QPSK_25RB#LOW_Band edge



Test_Graph_band4_1715MHz_10M_16QAM_1RB#LOW_Band edge



Test_Graph_band4_1715MHz_10M_16QAM_50RB#LOW_Band edge