



Appendix for Test report



Appendix A: DTS (6 dB) Bandwidth

In this document, the "DTS6dBBW" refers to the measured "DTS (6 dB) Bandwidth" value. In this Appendix, the "fc(DTS6dBBW)" refers to the centre of the measured "DTS6dBBW". The introduction of the "fc(DTS6dBBW)" is due to that other measurements use it as the spectrum analyzer setting.

For measurements on smart antenna systems (devices with multiple transmit chains), the test is performed at each chain, and used as respective results for each chain.

Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	DTS6dBBW[MHz]	Verdict
11B	L	2412	Ant 1	8.09	pass
11B	L	2412	Ant 2	8.09	pass
11B	M	2437	Ant 1	8.08	pass
11B	M	2437	Ant 2	8.09	pass
11B	H	2462	Ant 1	8.10	pass
11B	H	2462	Ant 2	8.08	pass
11G	L	2412	Ant 1	16.07	pass
11G	L	2412	Ant 2	16.33	pass
11G	M	2437	Ant 1	15.74	pass
11G	M	2437	Ant 2	16.12	pass
11G	H	2462	Ant 1	16.34	pass
11G	H	2462	Ant 2	15.76	pass
11N20	L	2412	Ant 1	16.85	pass
11N20	L	2412	Ant 2	17.16	pass
11N20	M	2437	Ant 1	16.33	pass
11N20	M	2437	Ant 2	16.57	pass
11N20	H	2462	Ant 1	17.36	pass
11N20	H	2462	Ant 2	15.96	pass
11N20m	L	2412	Ant 1	16.85	pass
11N20m	L	2412	Ant 2	16.67	pass
11N20m	M	2437	Ant 1	16.60	pass
11N20m	M	2437	Ant 2	17.19	pass
11N20m	H	2462	Ant 1	17.06	pass
11N20m	H	2462	Ant 2	15.99	pass
11N40	L	2422	Ant 1	35.42	pass
11N40	L	2422	Ant 2	35.21	pass
11N40	M	2437	Ant 1	35.20	pass

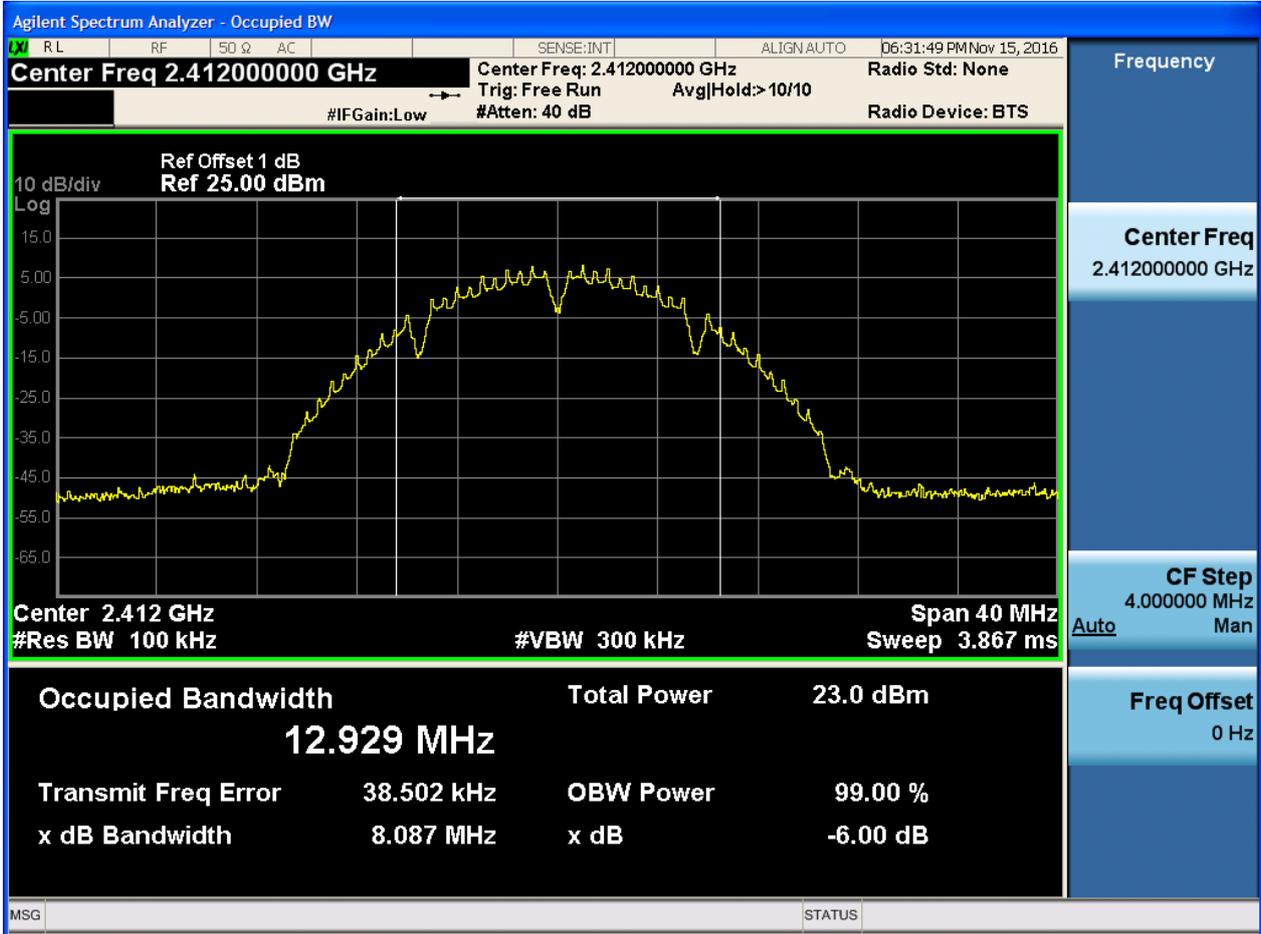


Test Mode	Test Channel	Frequency[MHz]	Ant	DTS6dBBW[MHz]	Verdict
11N40	M	2437	Ant 2	35.74	pass
11N40	H	2452	Ant 1	35.17	pass
11N40	H	2452	Ant 2	35.19	pass
11N40m	L	2422	Ant 1	35.38	pass
11N40m	L	2422	Ant 2	35.21	pass
11N40m	M	2437	Ant 1	35.15	pass
11N40m	M	2437	Ant 2	35.23	pass
11N40m	H	2452	Ant 1	35.20	pass
11N40m	H	2452	Ant 2	35.20	pass



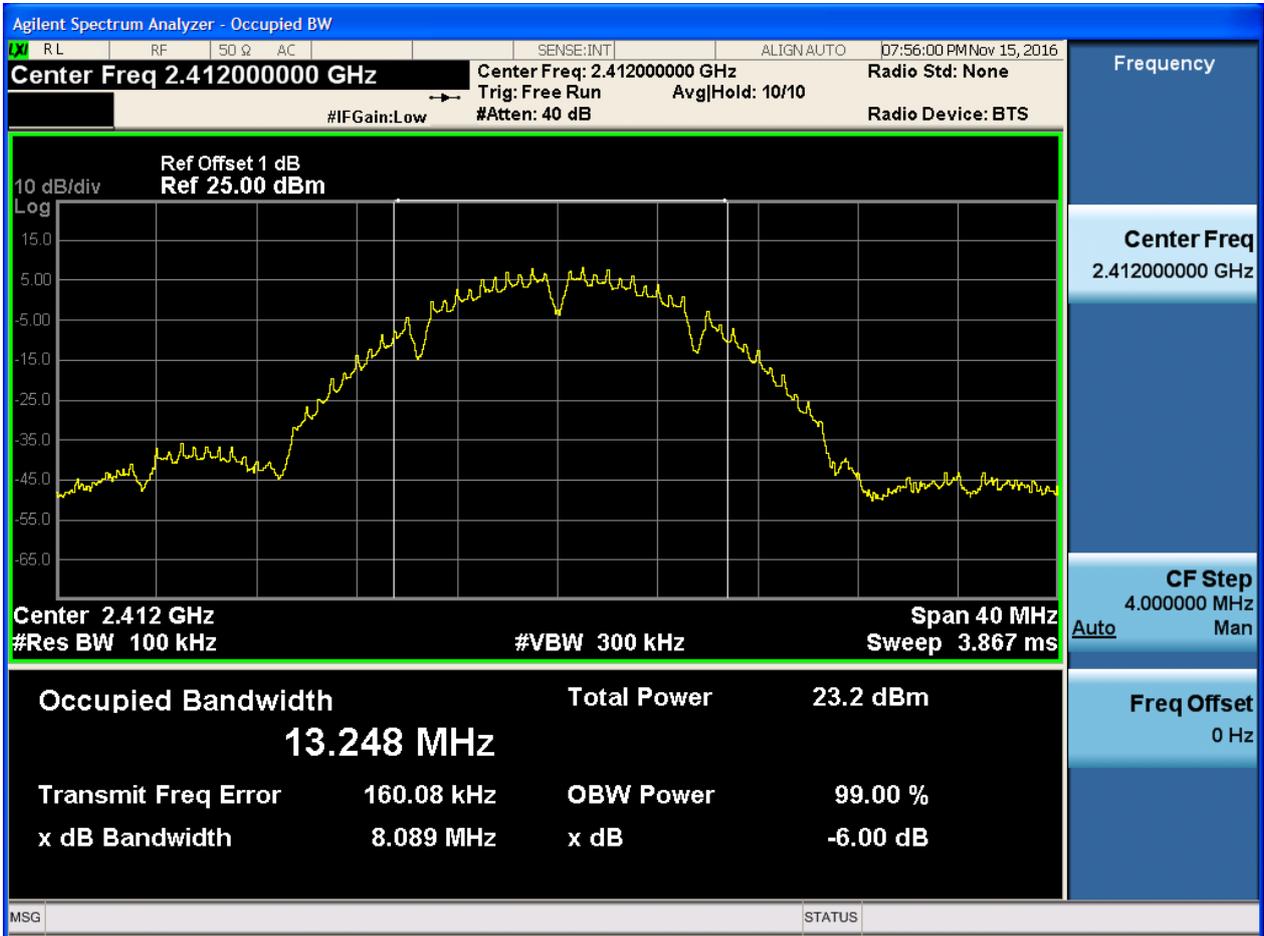
Part II - Test Plots

2.1 11B_L@Ant 1



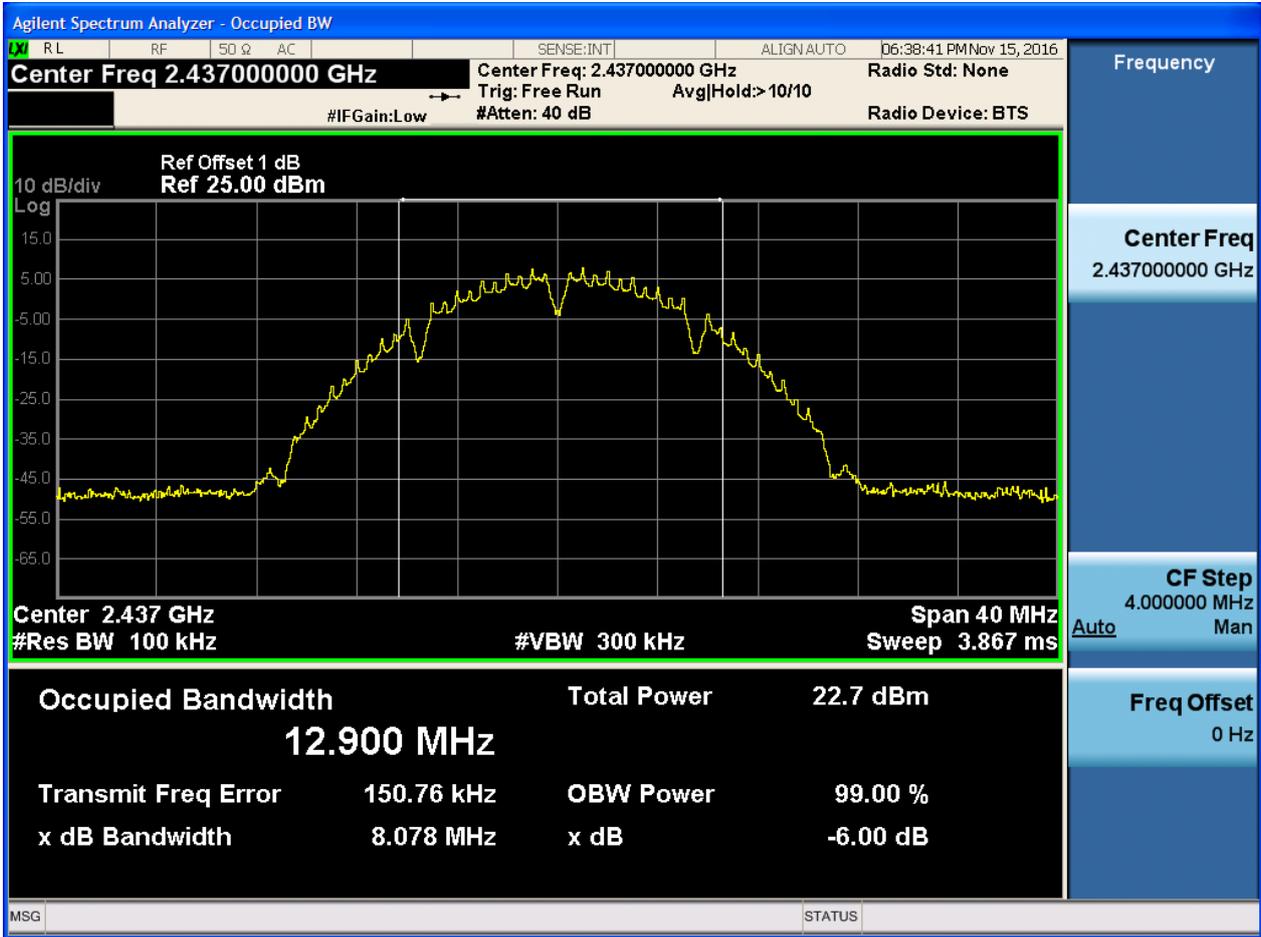


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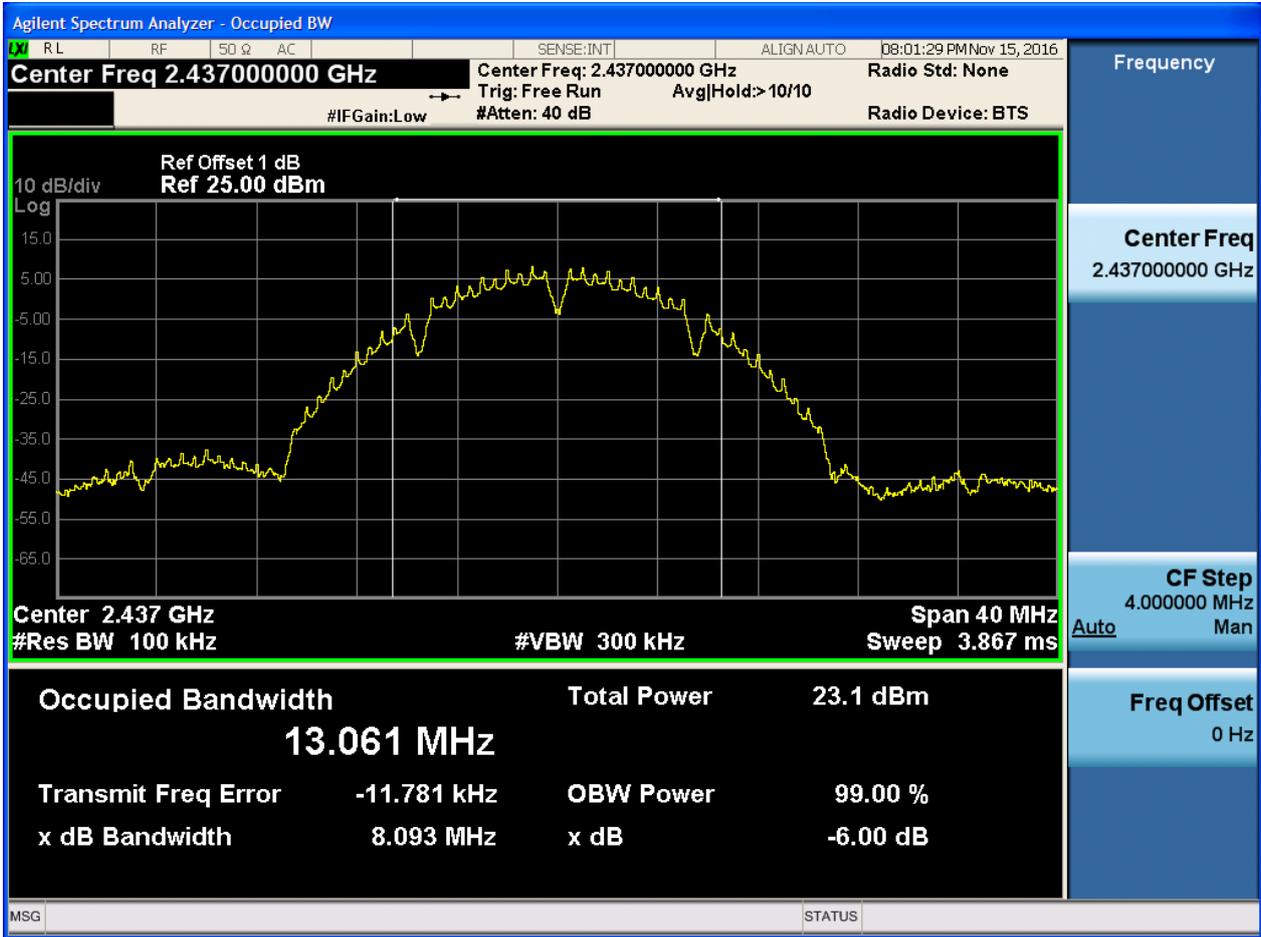


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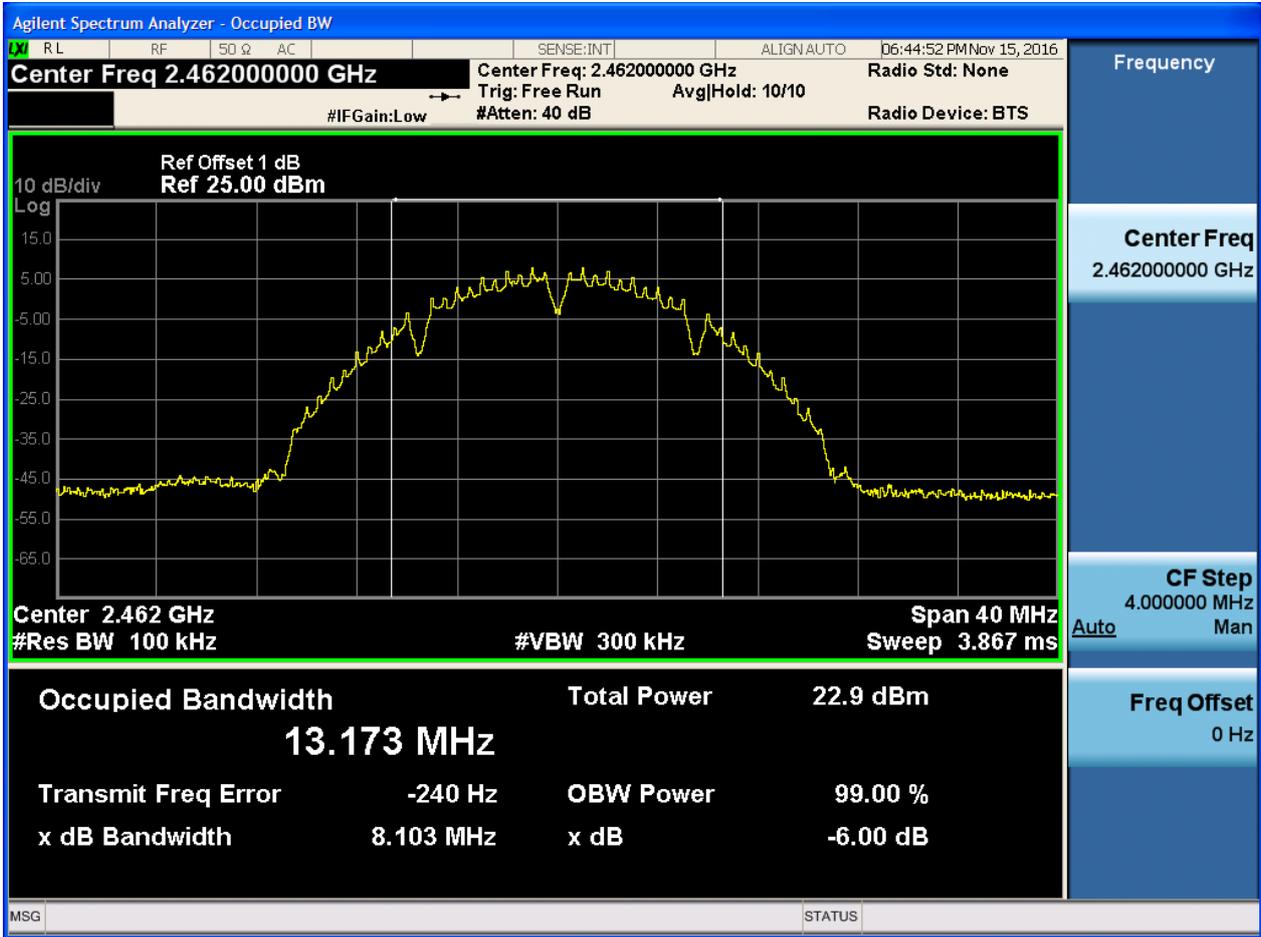


2.4 11B_M@Ant 2





2.5 11B_H@Ant 1



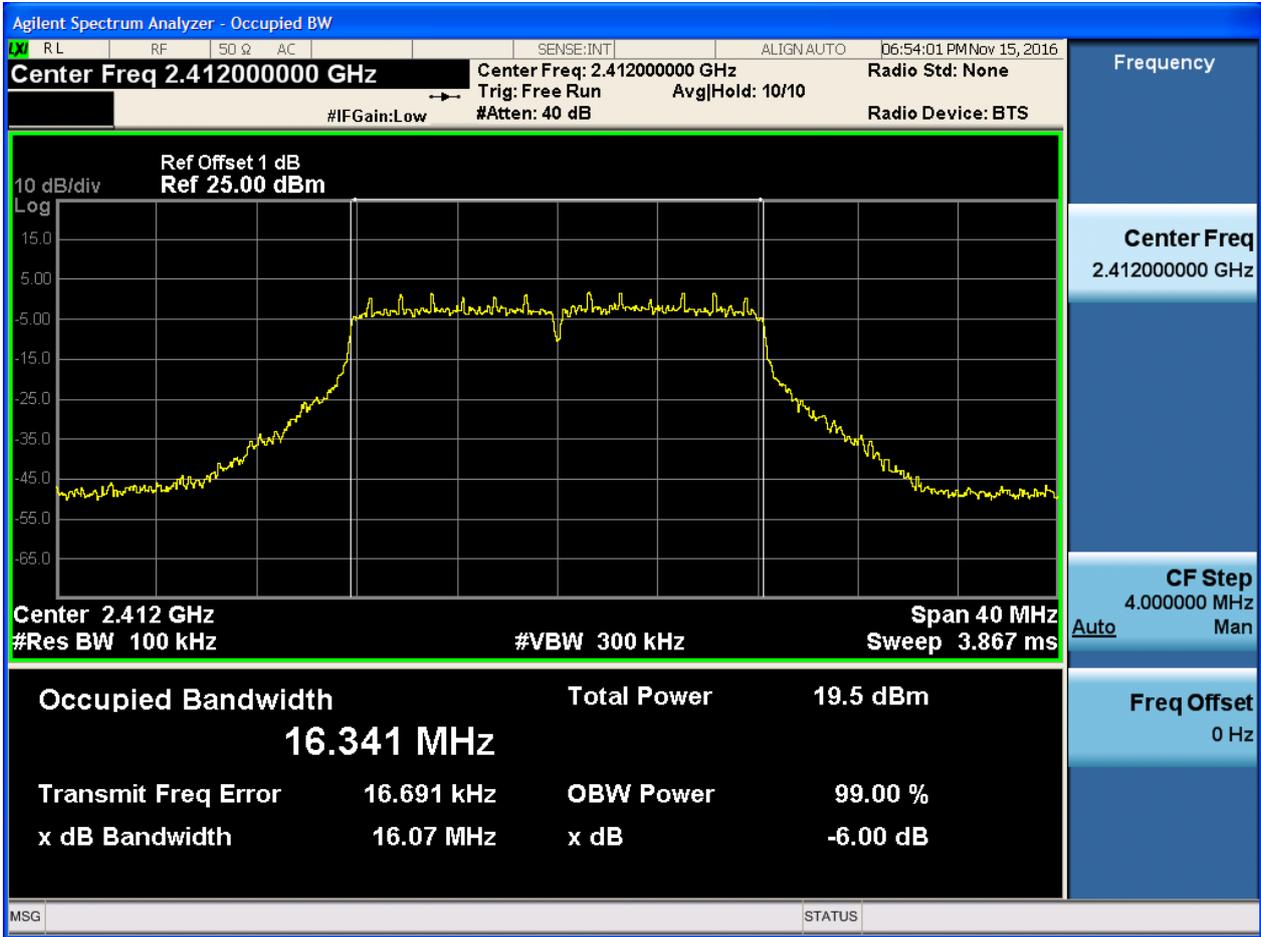


2.6 11B_H@Ant 2



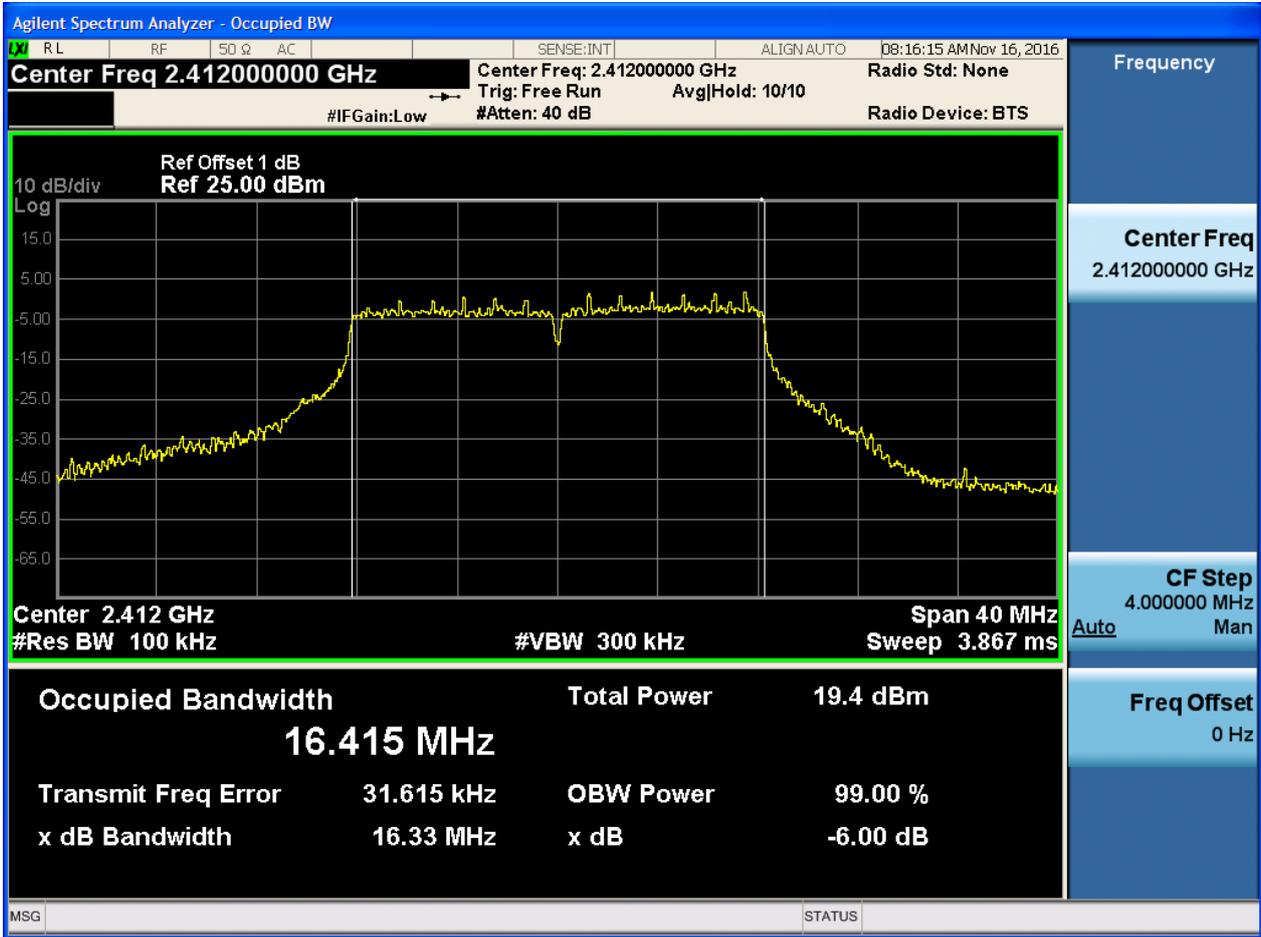


2.7 11G_L@Ant 1



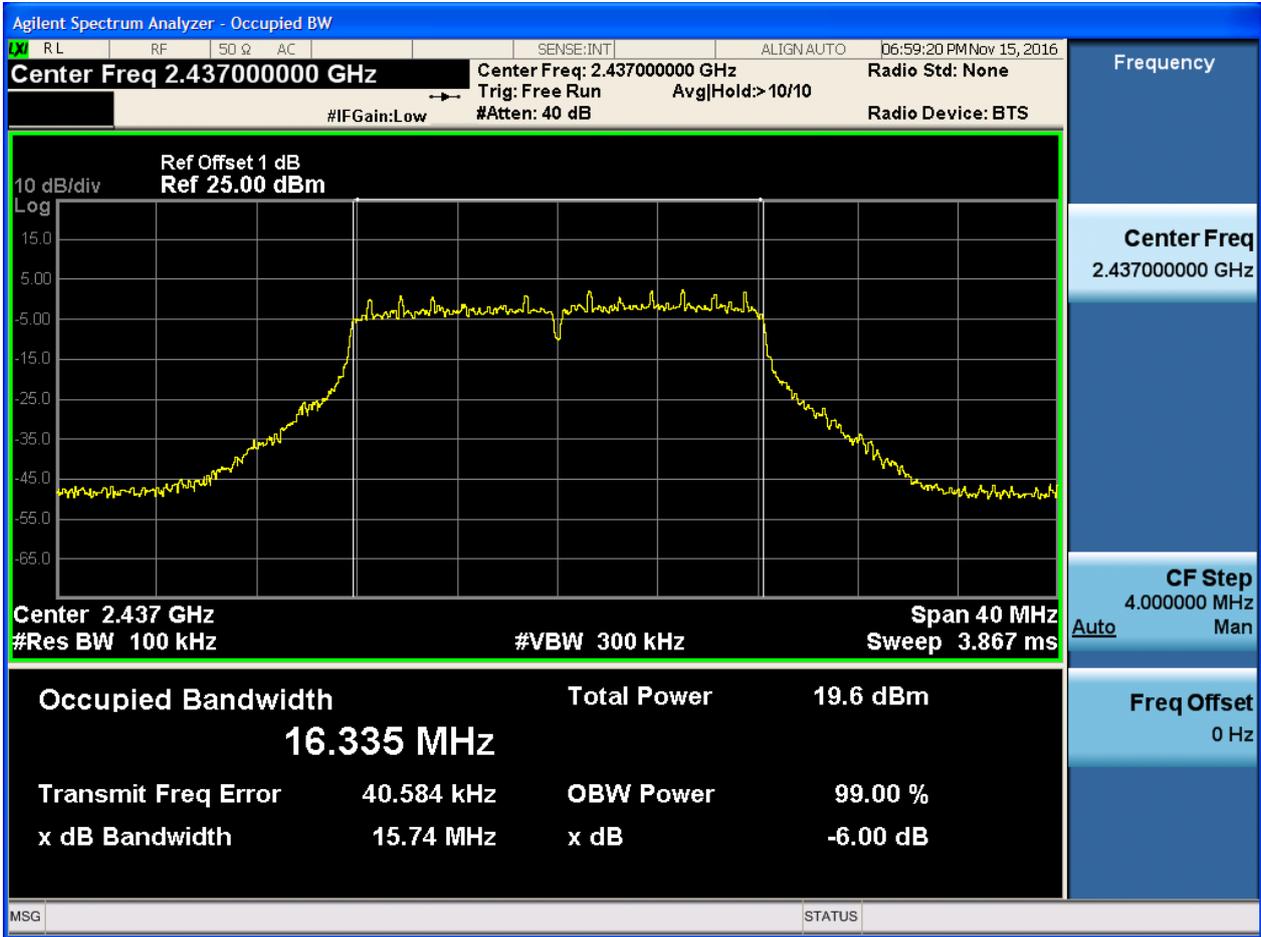


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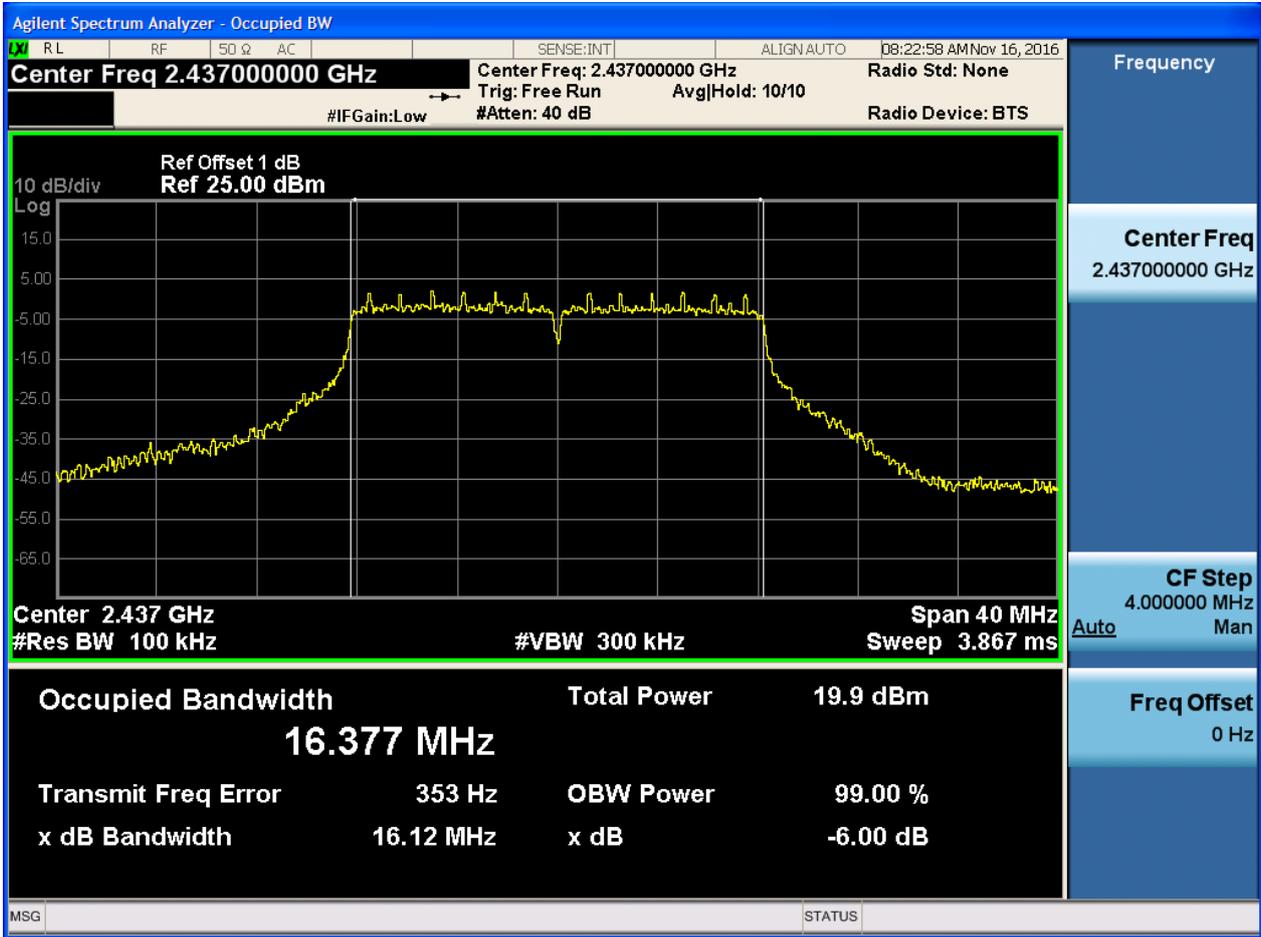


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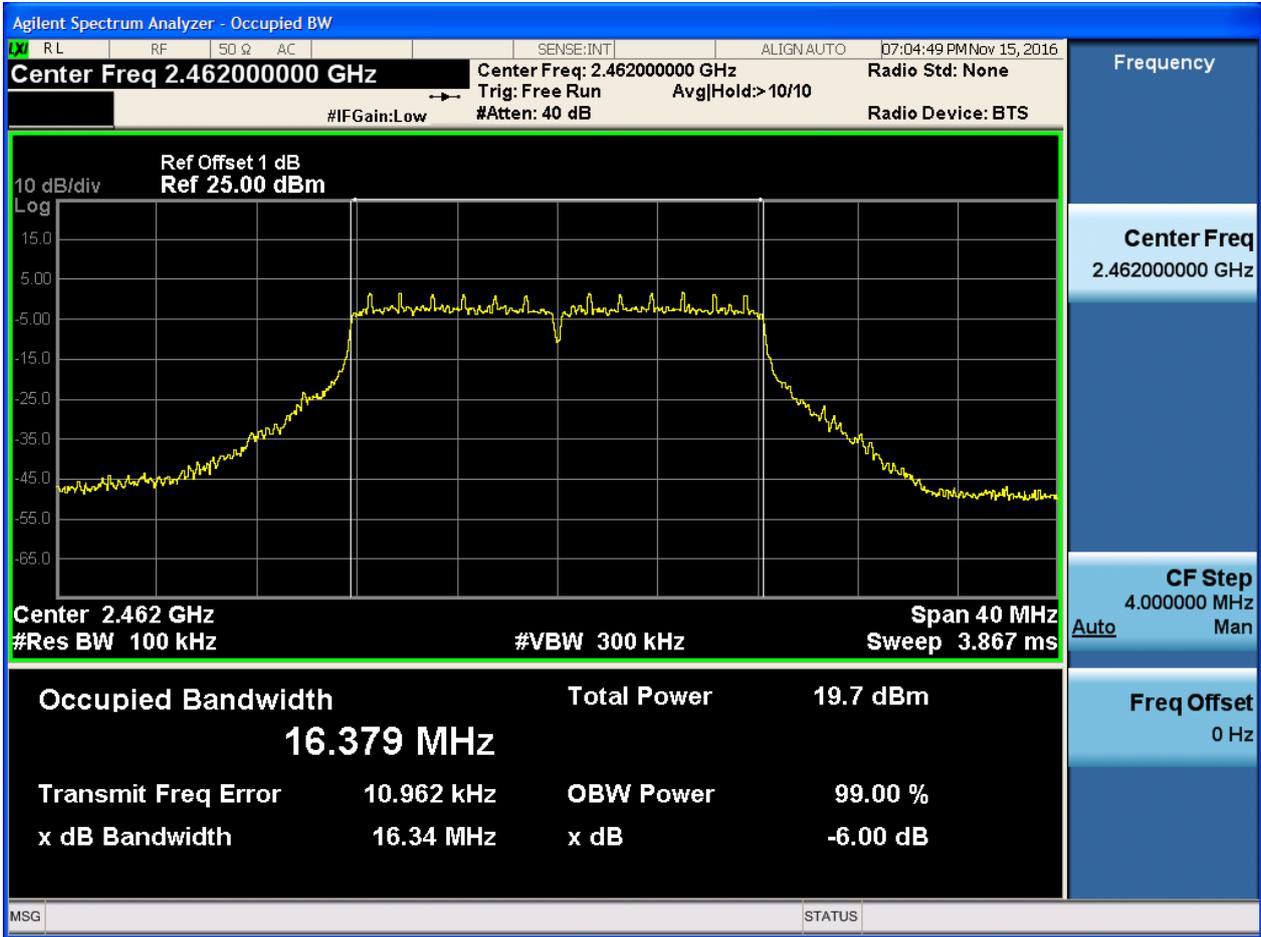


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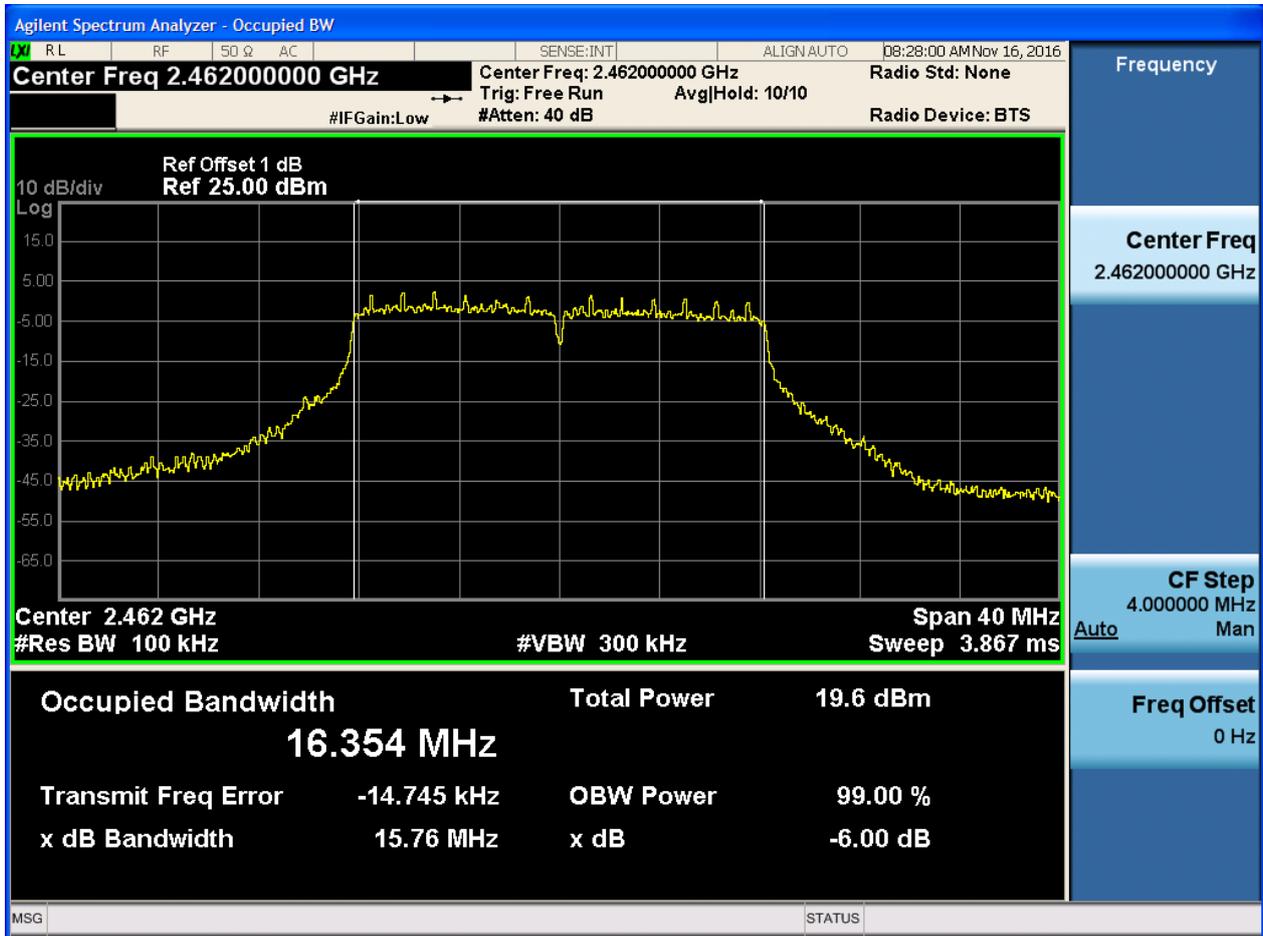


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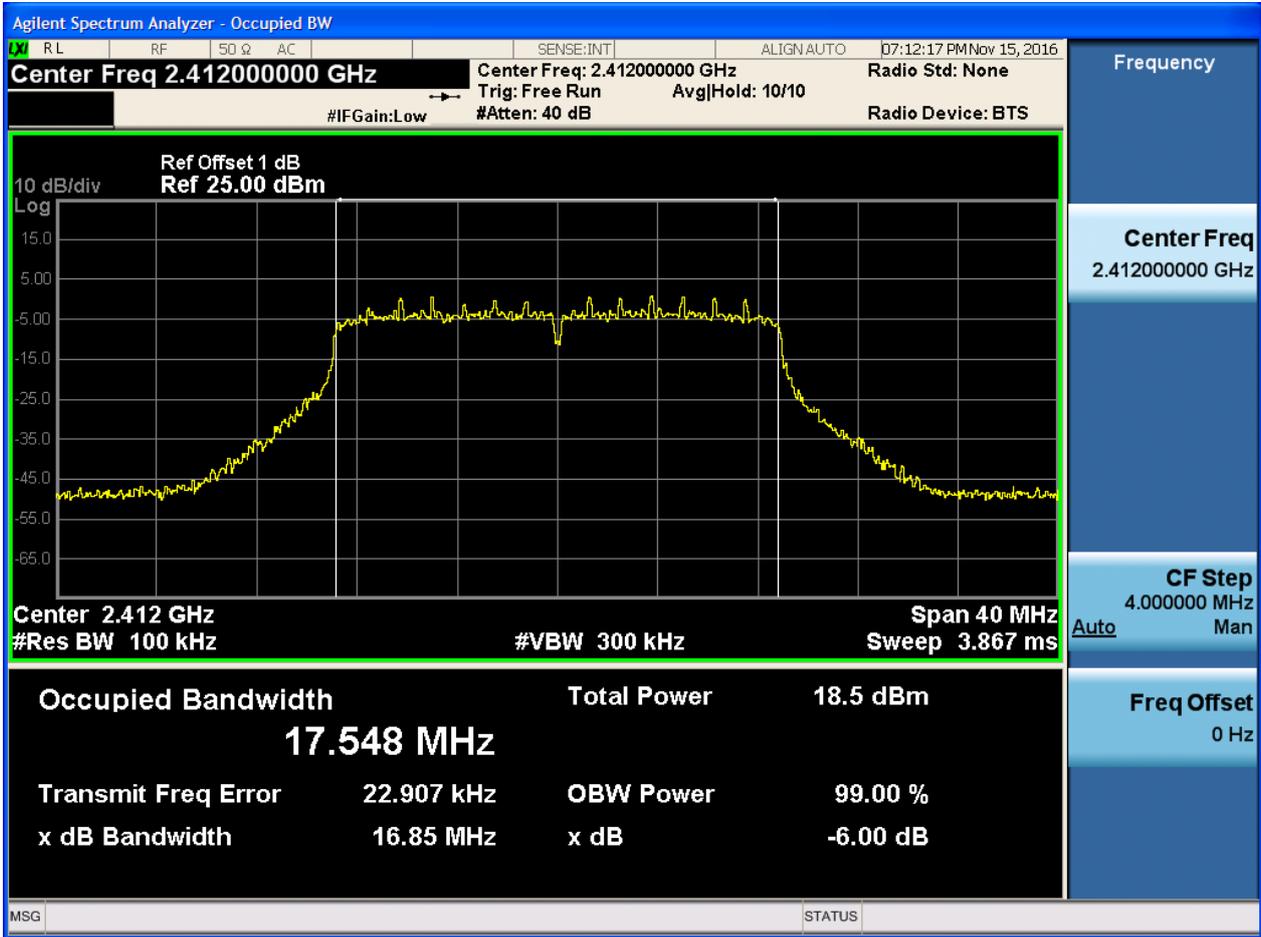


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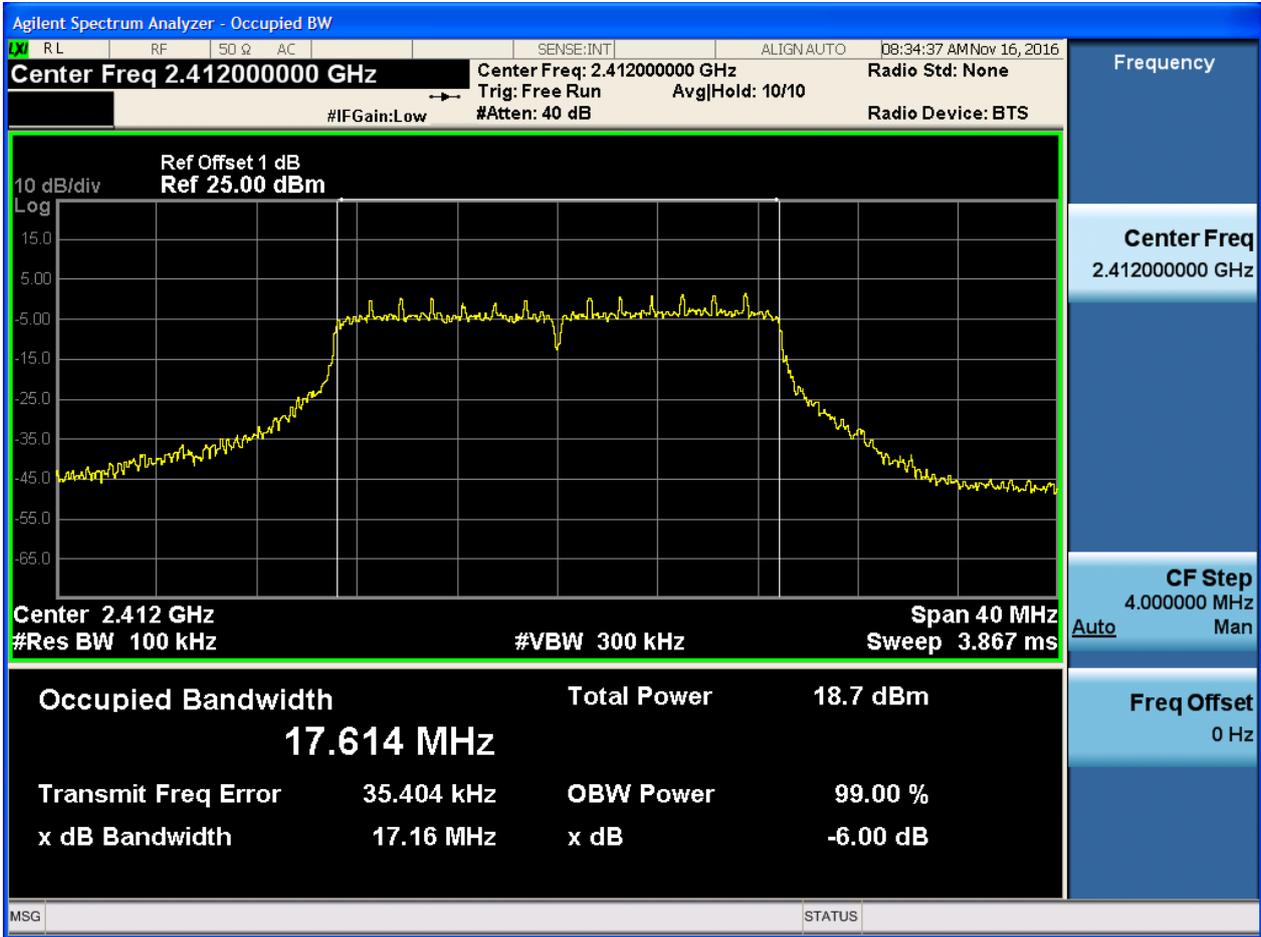


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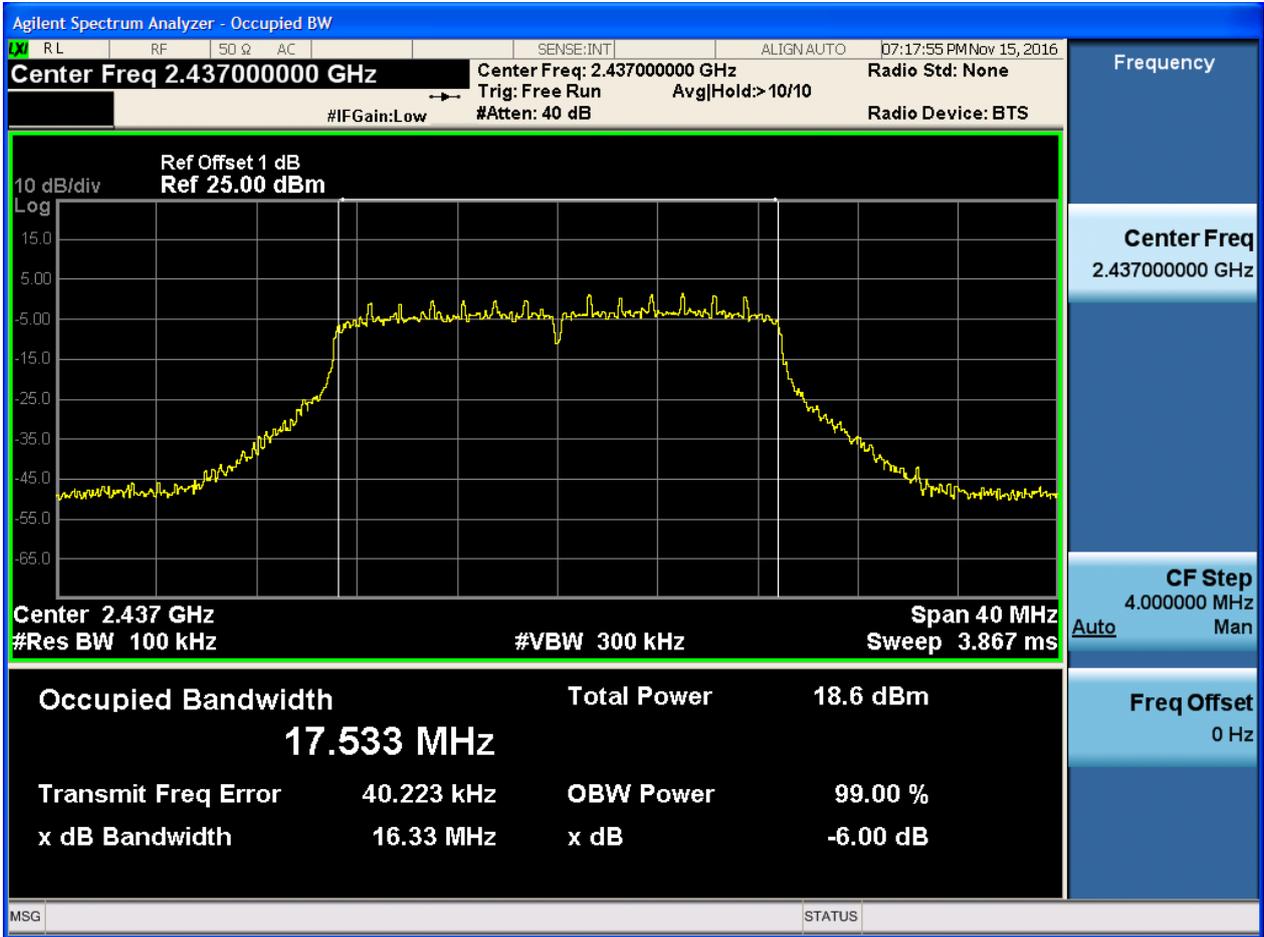


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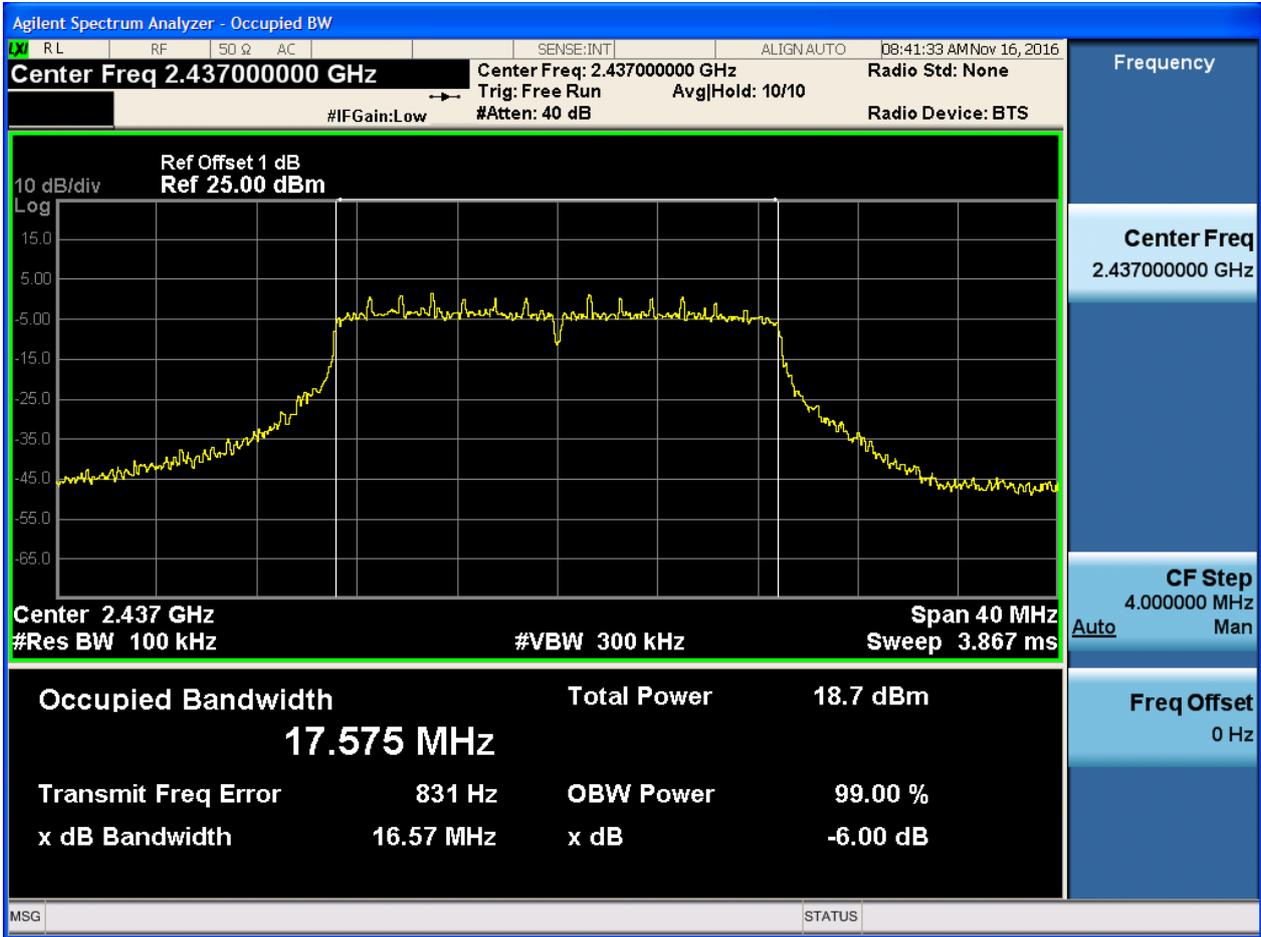


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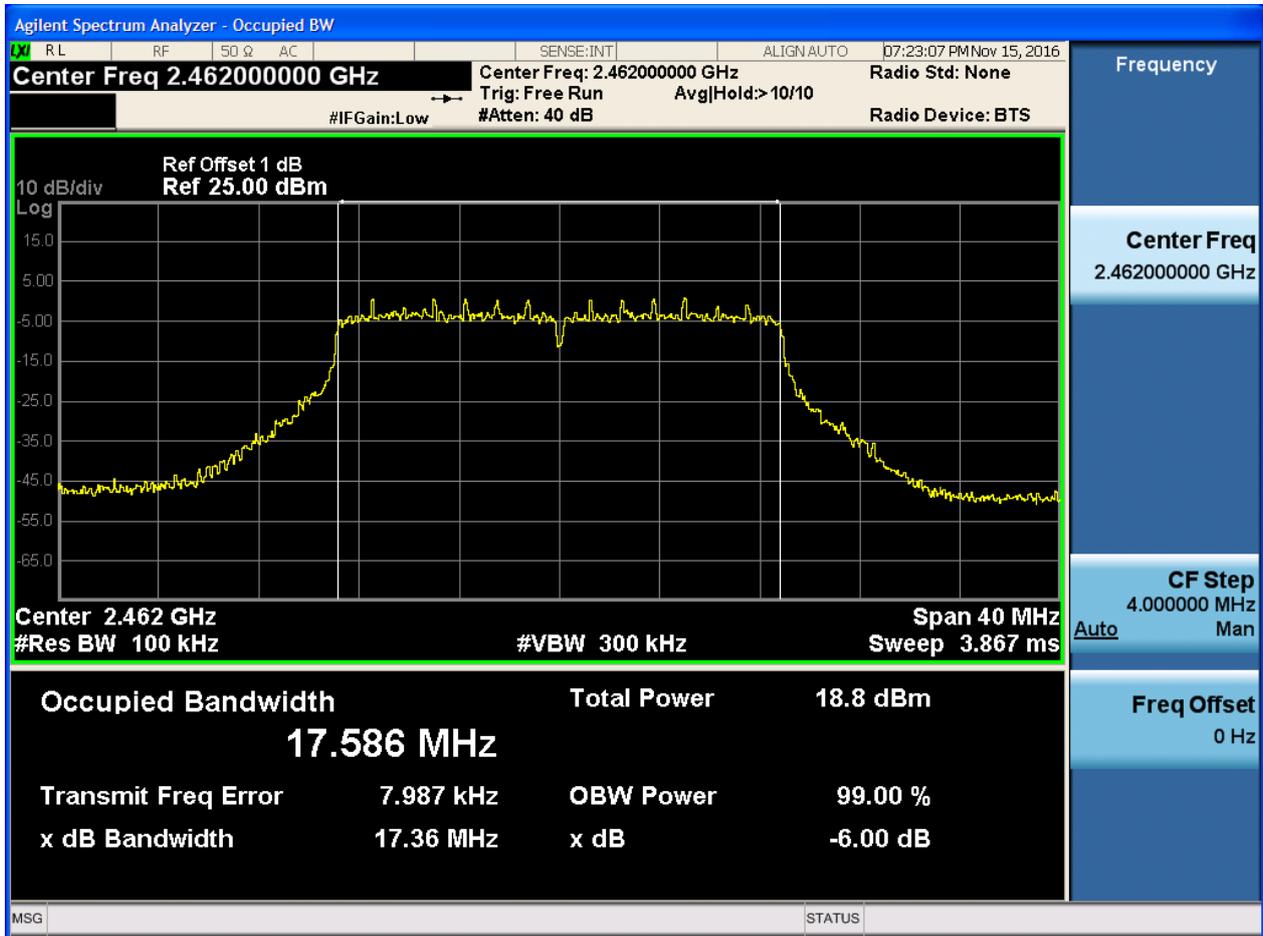


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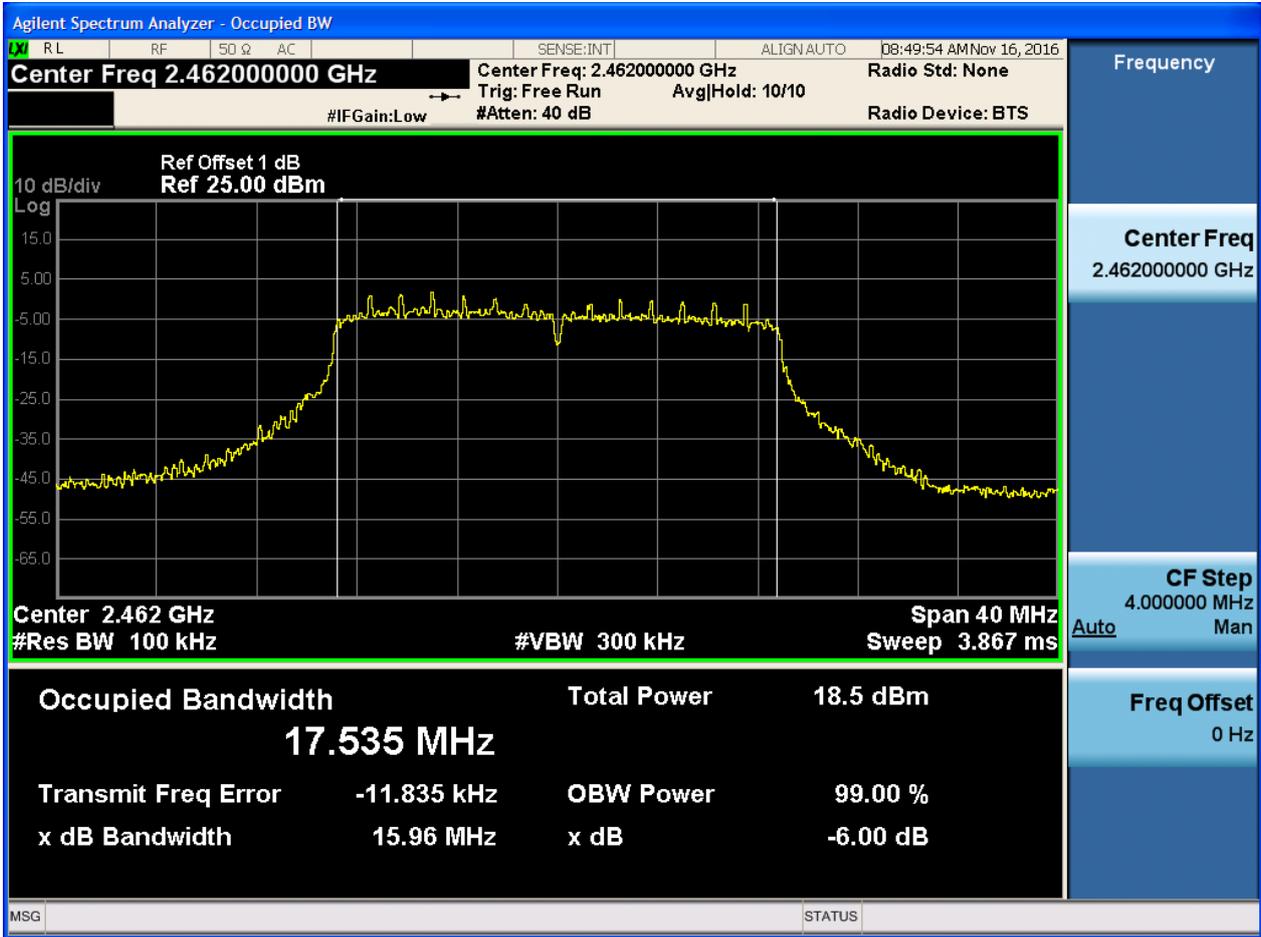


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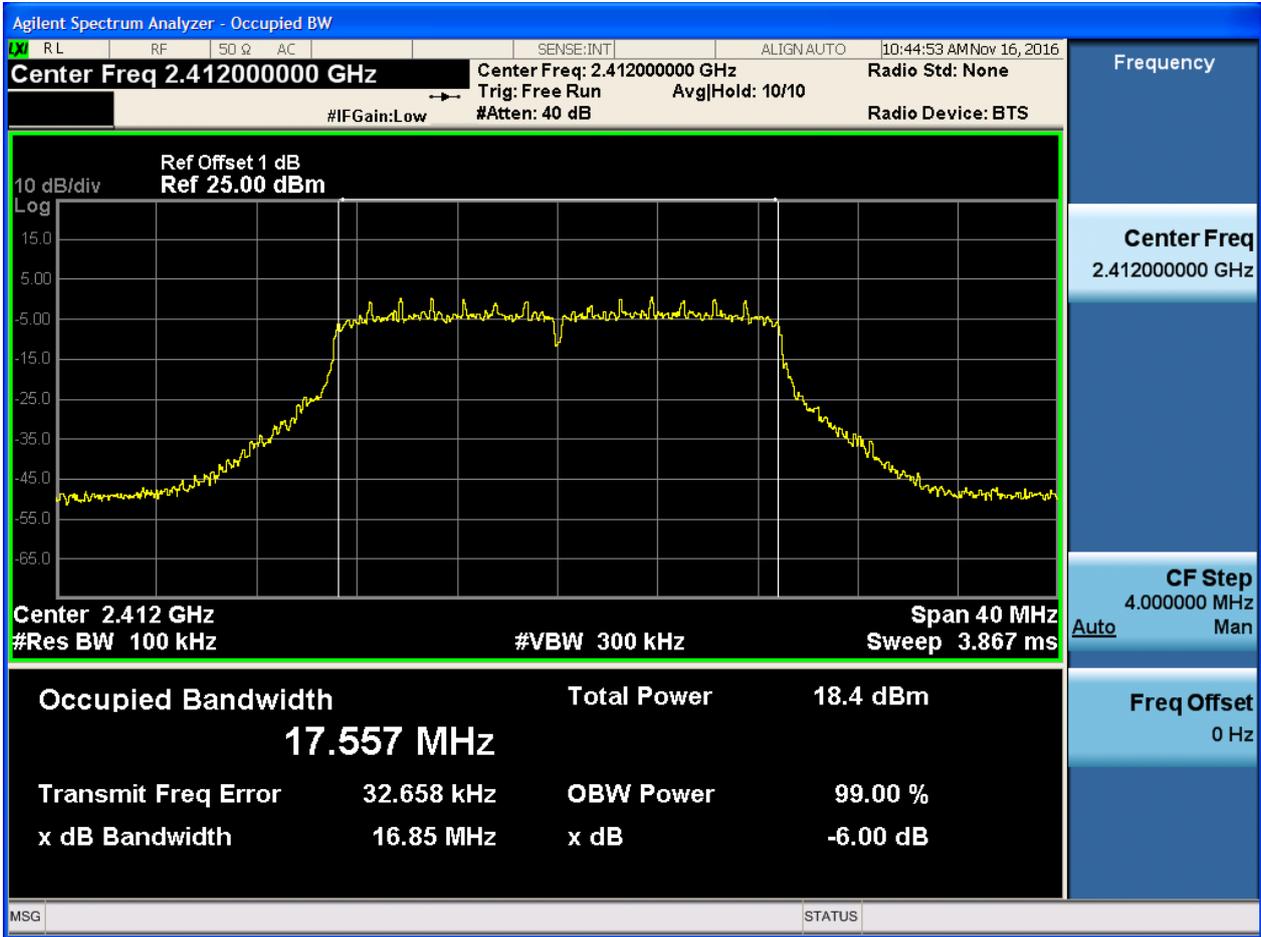


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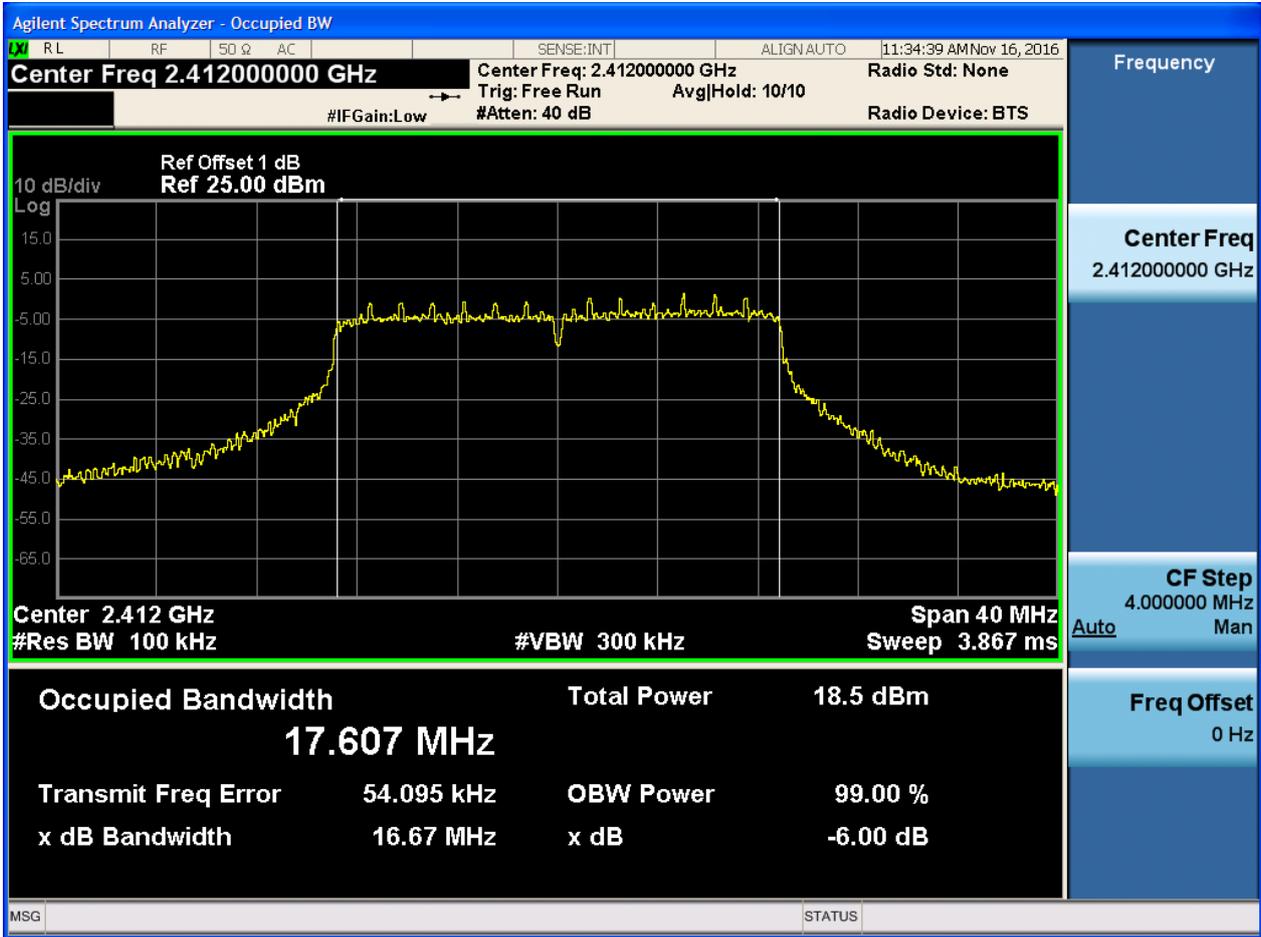


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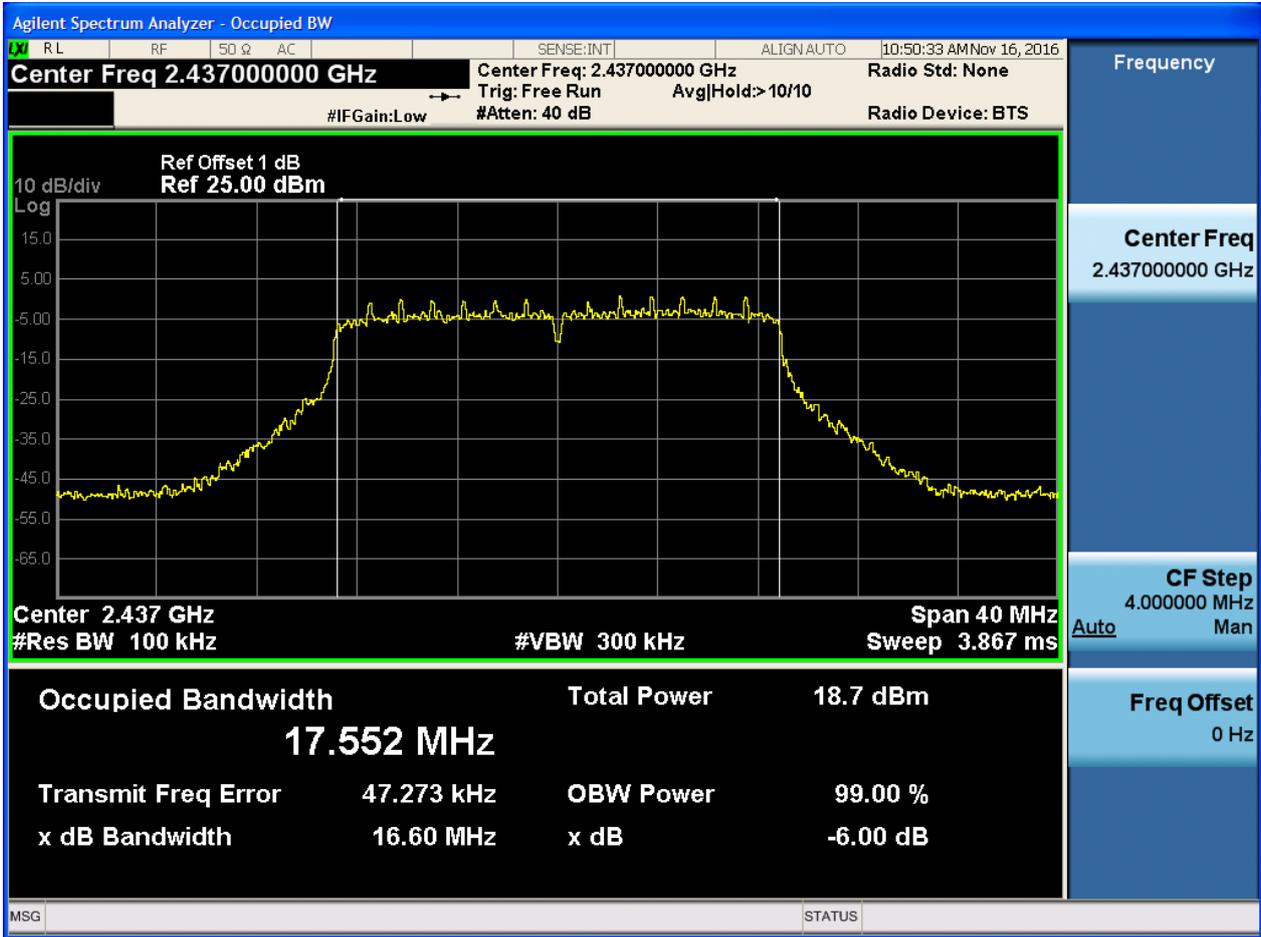


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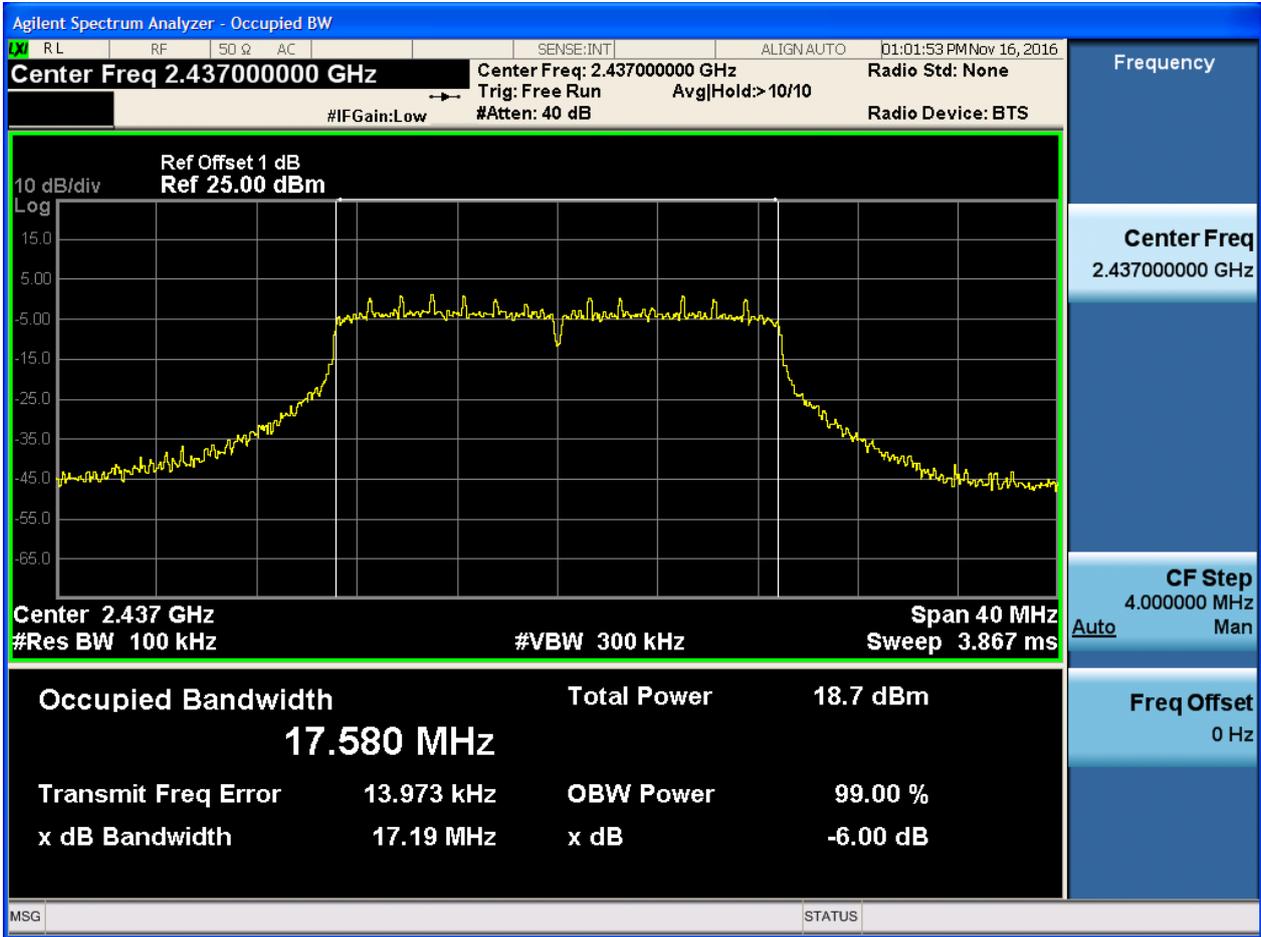


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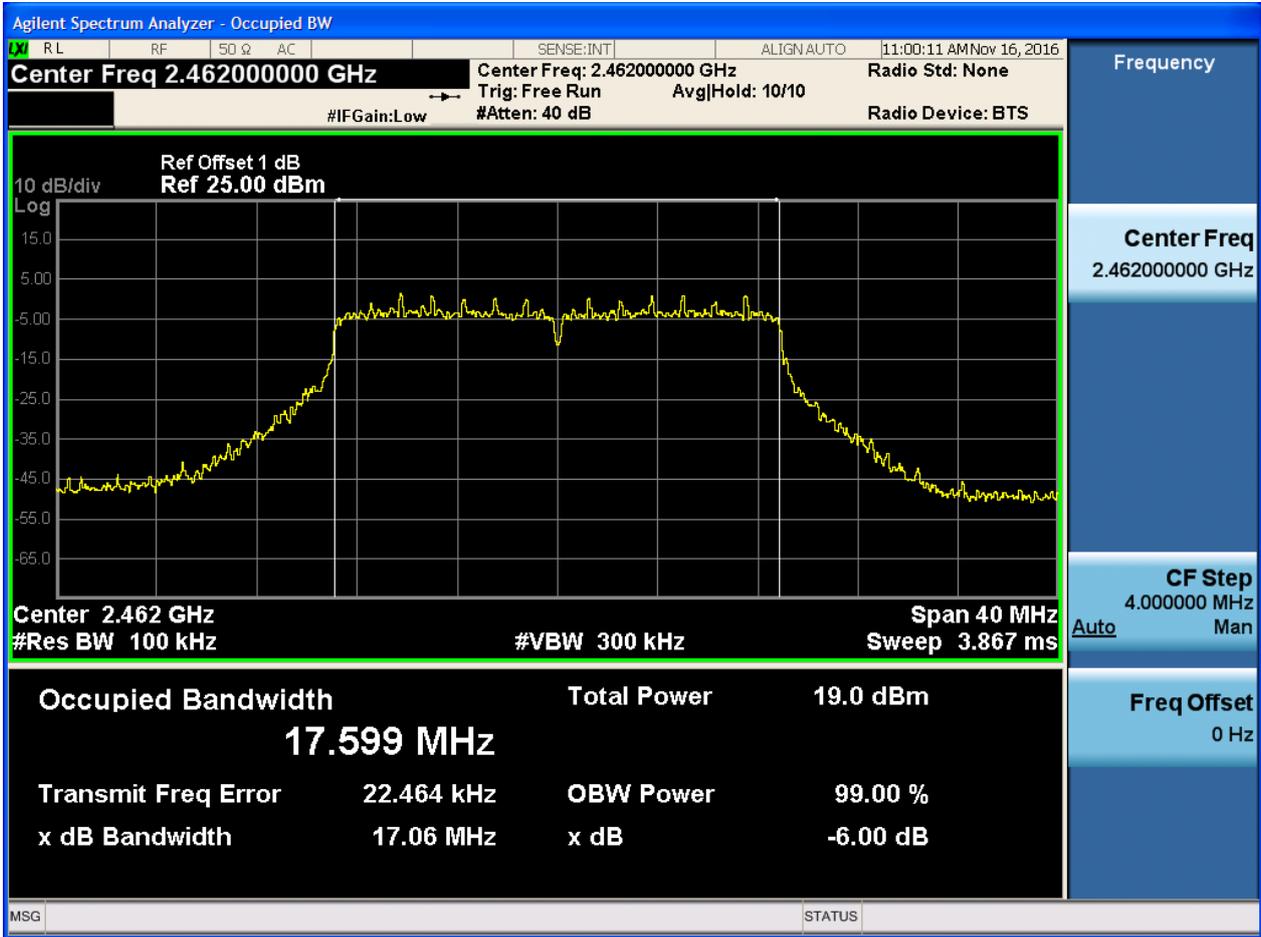


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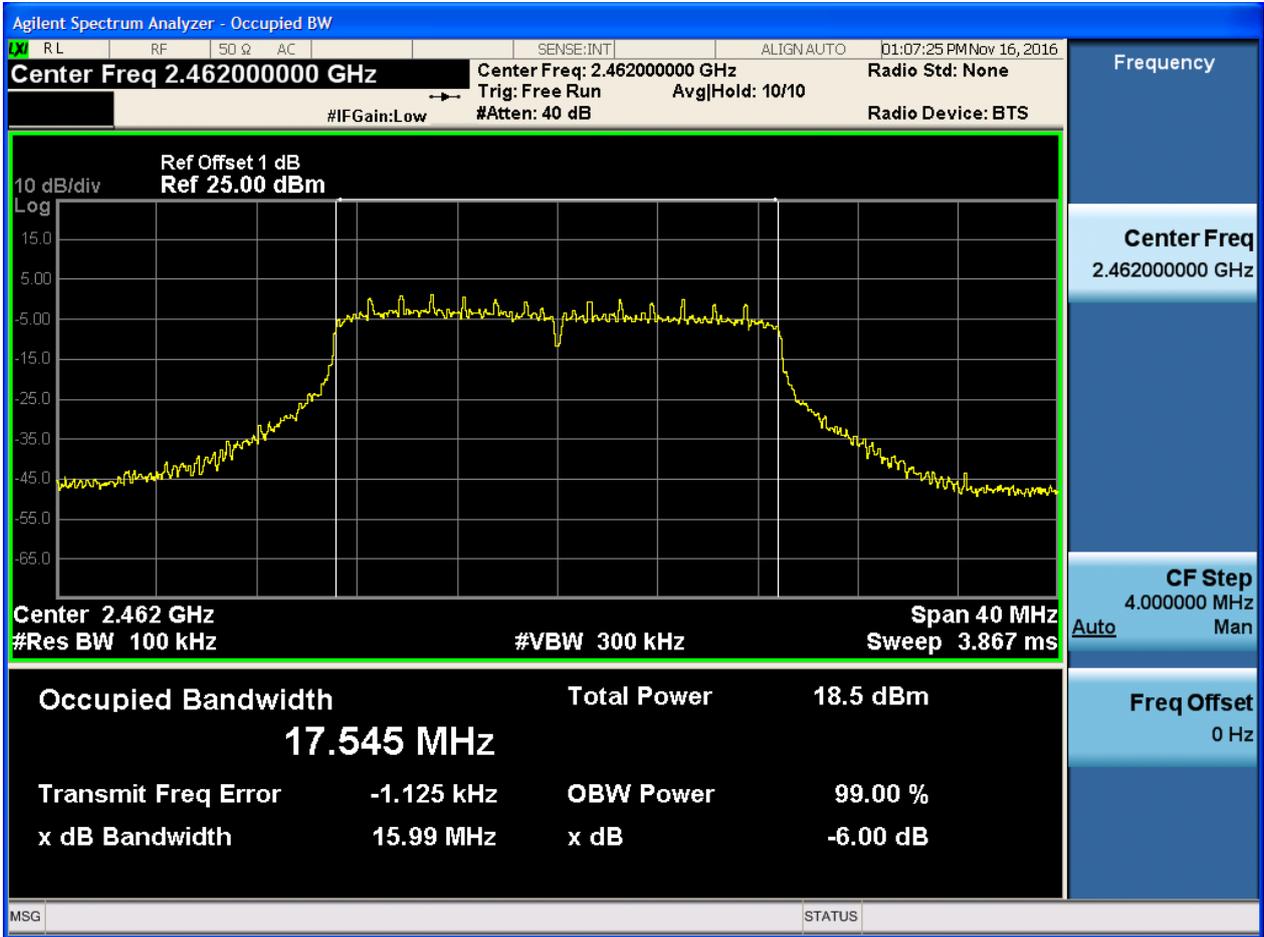


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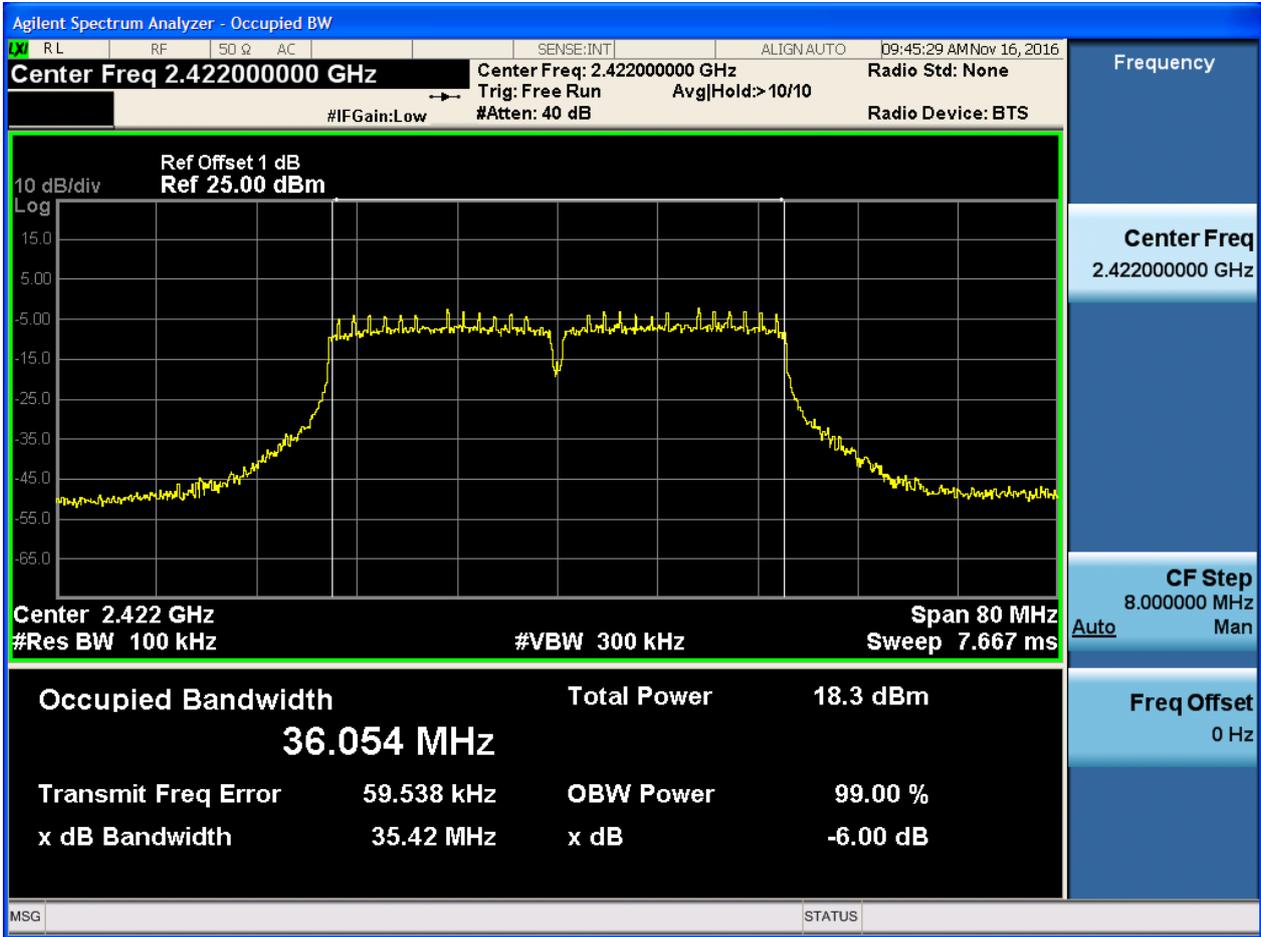


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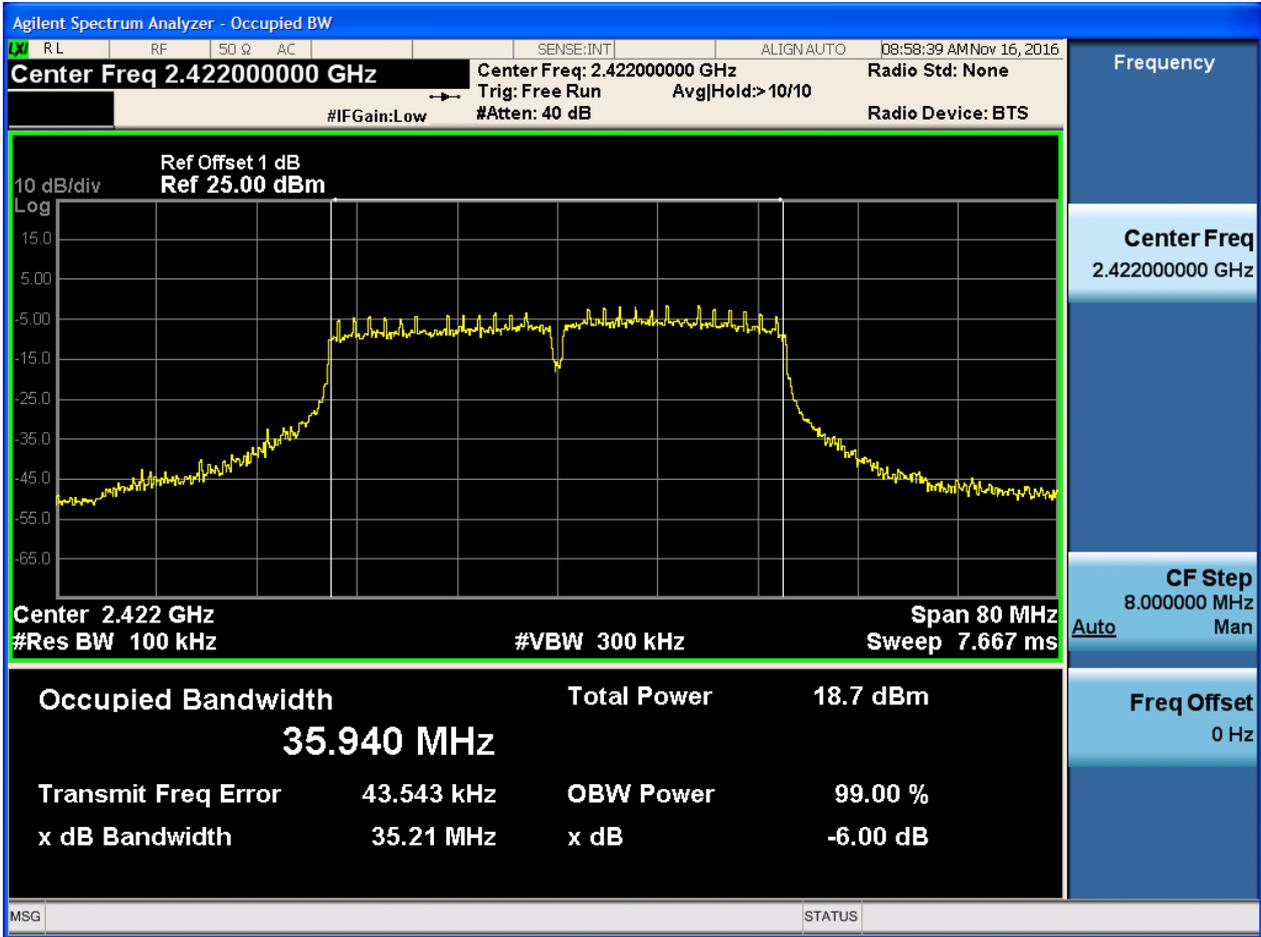


2.25 11N40_L@Ant 1



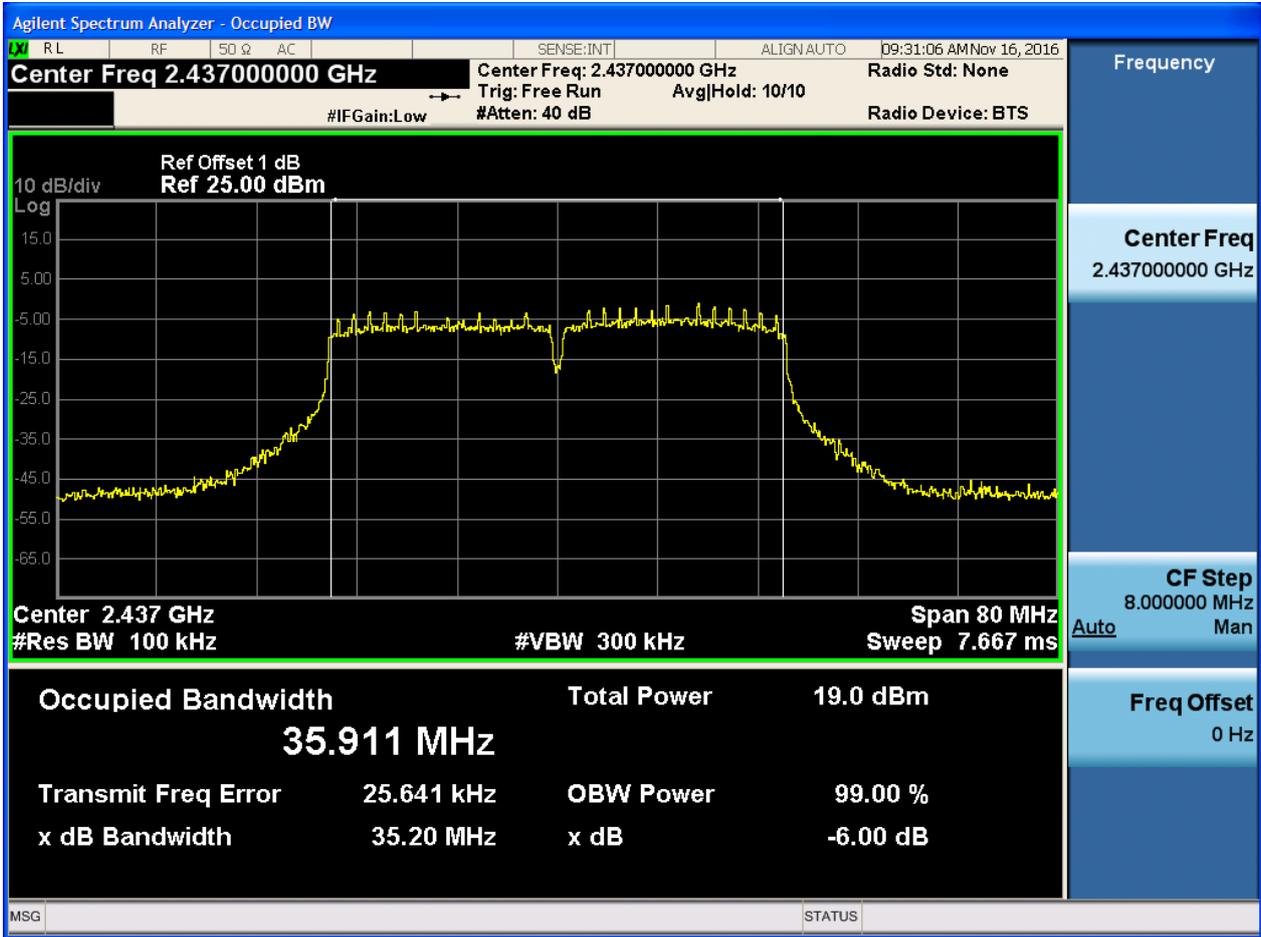


2.26 11N40_L@Ant 2



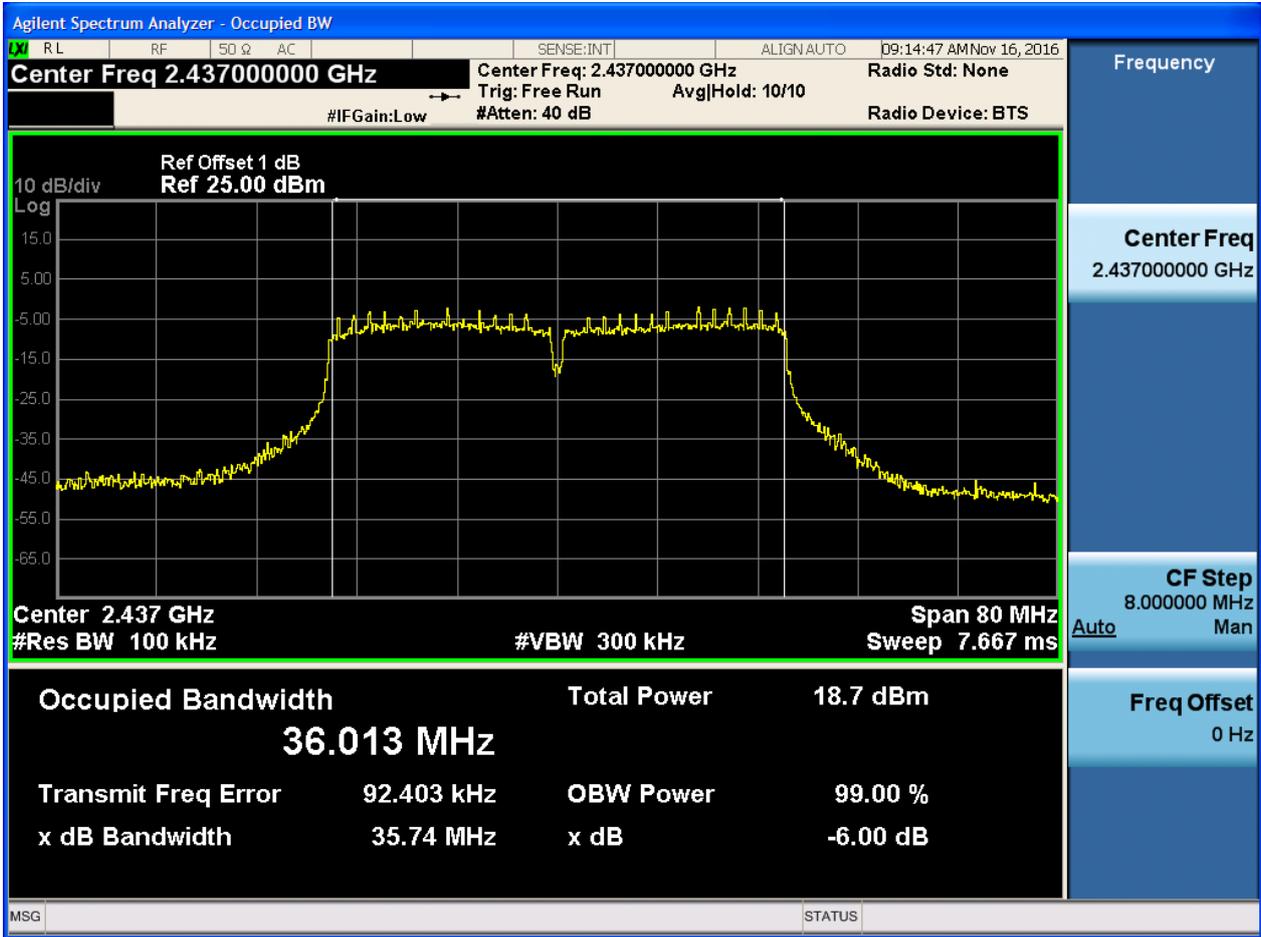


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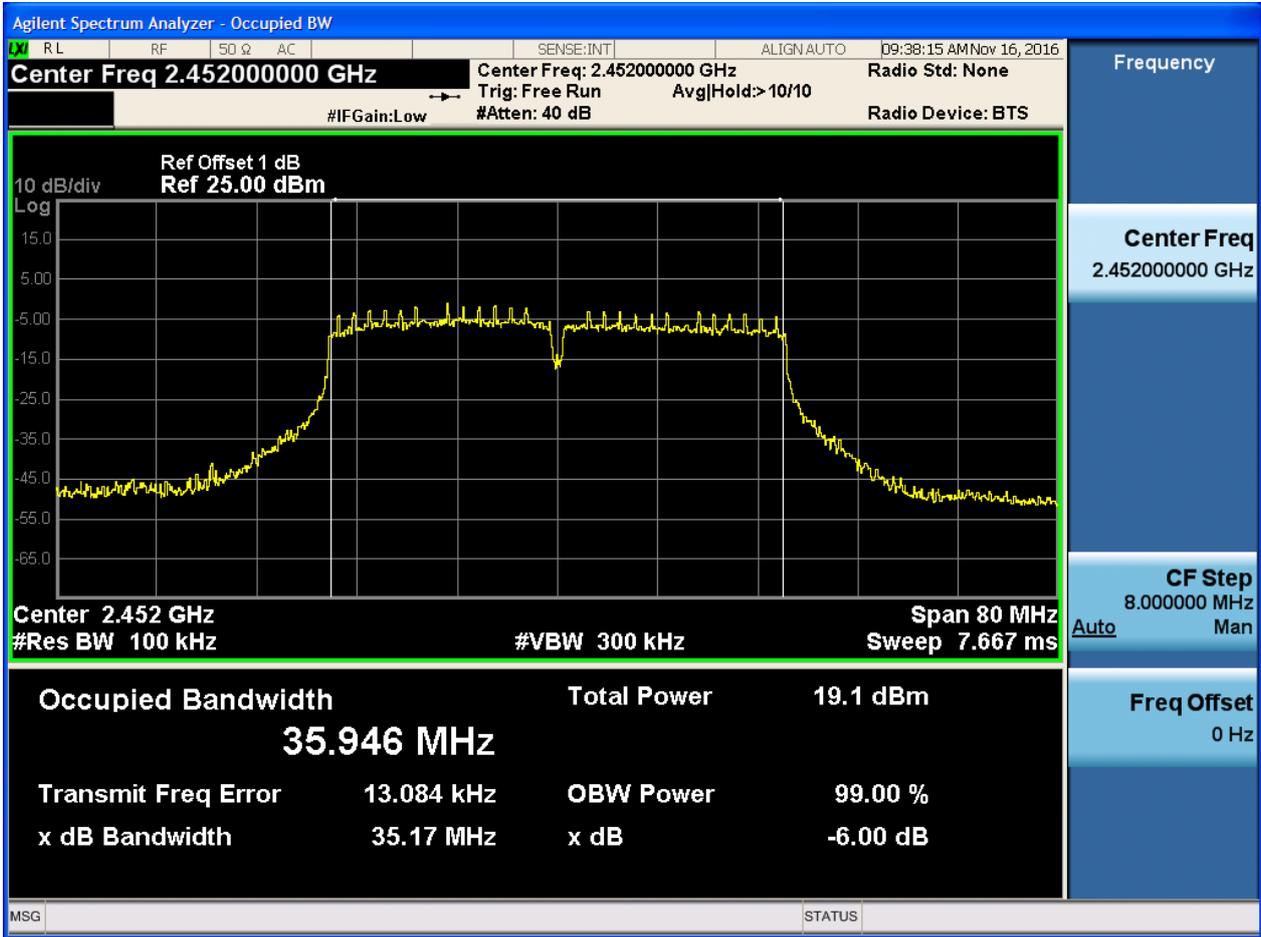


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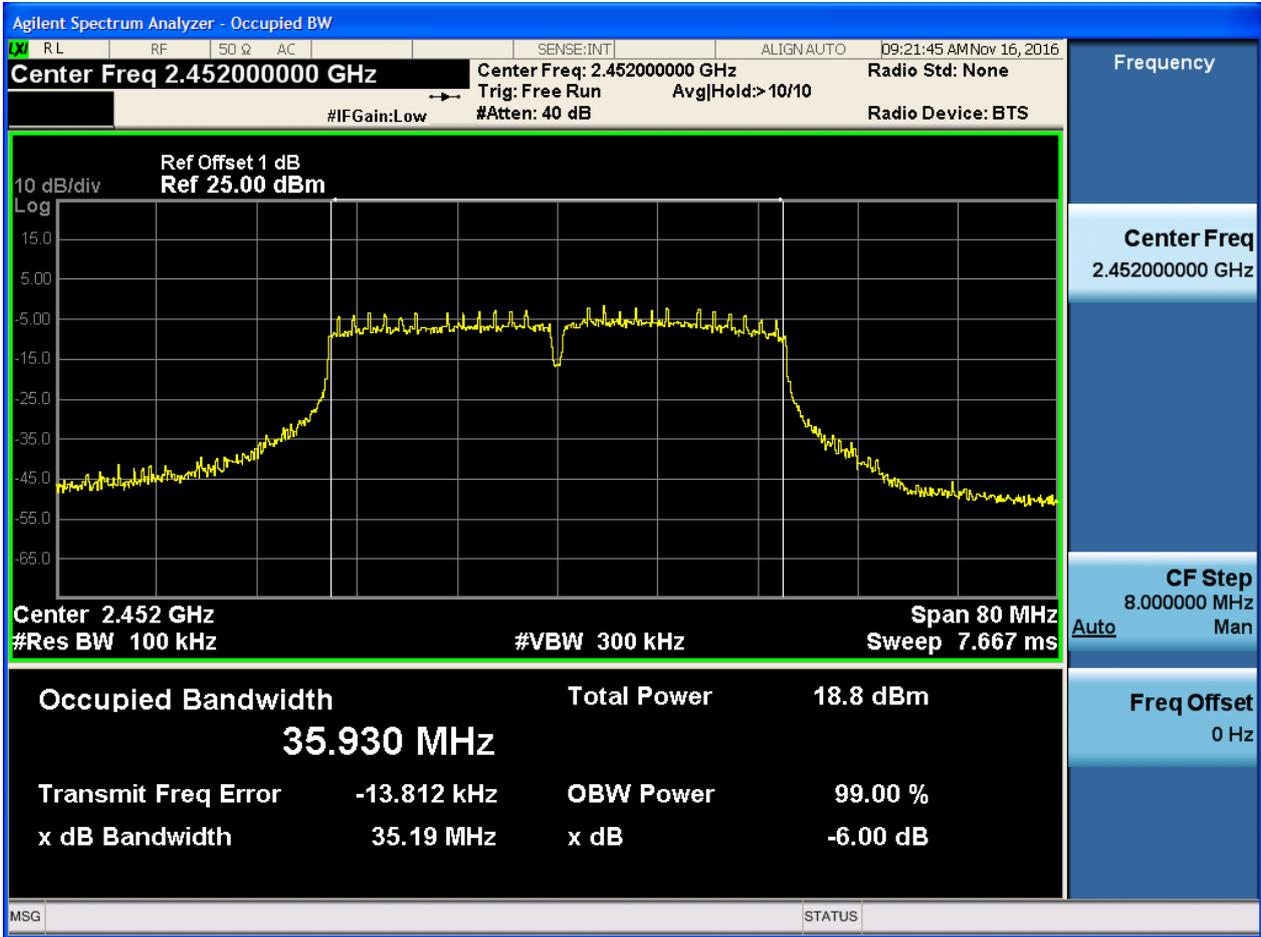


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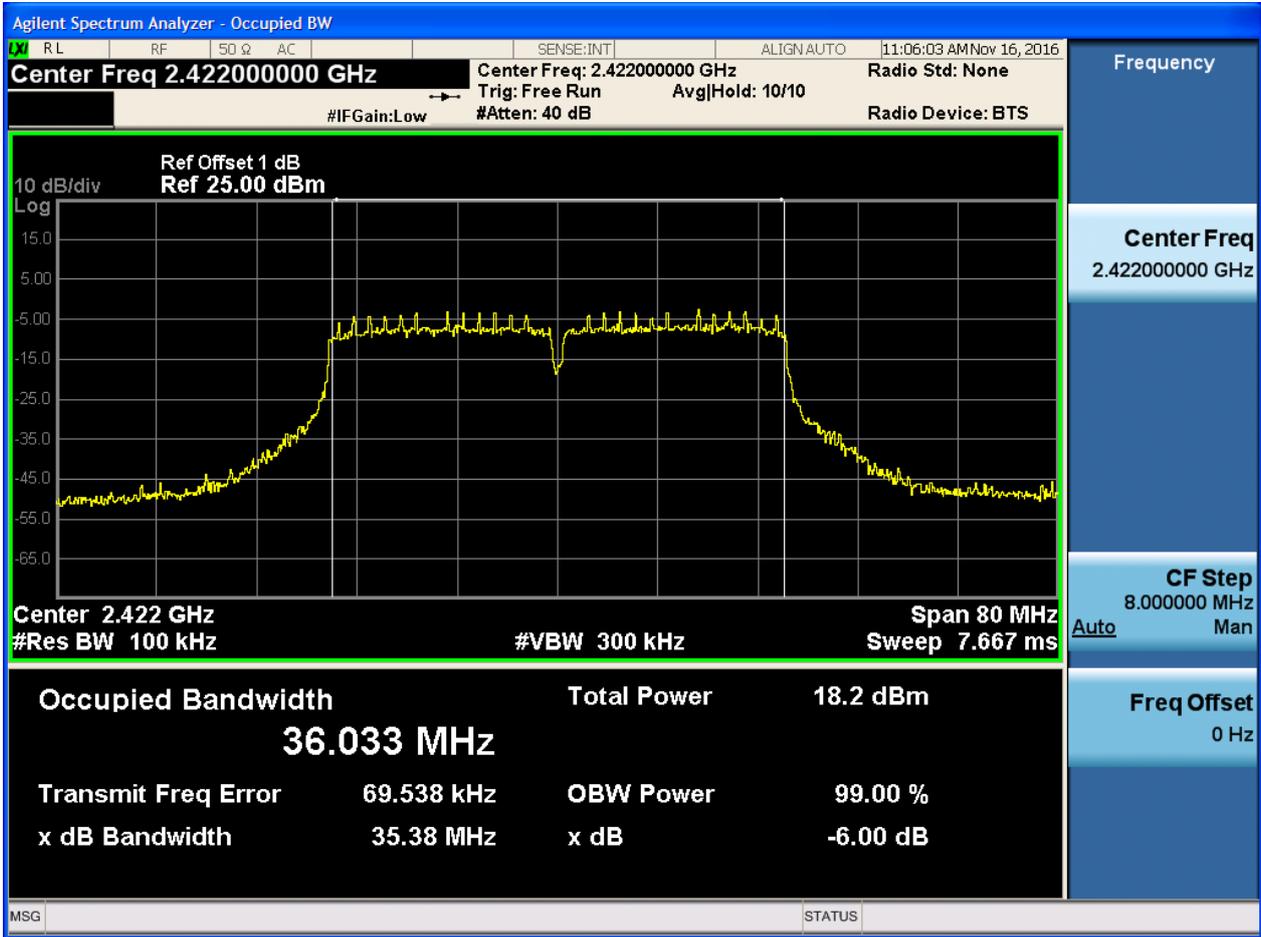


2.30 11N40_H@Ant 2



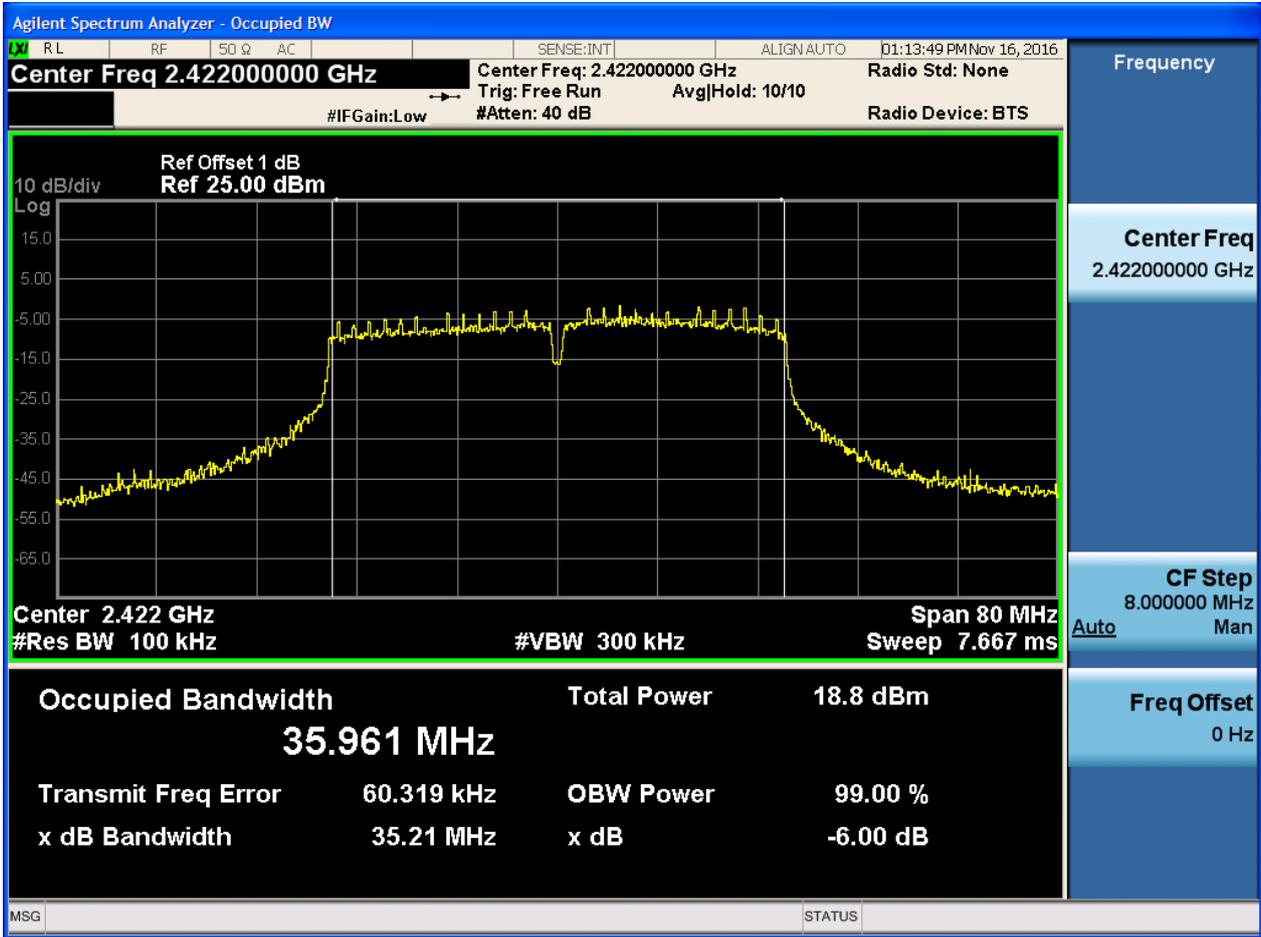


2.31 11N40m_L@Ant 1



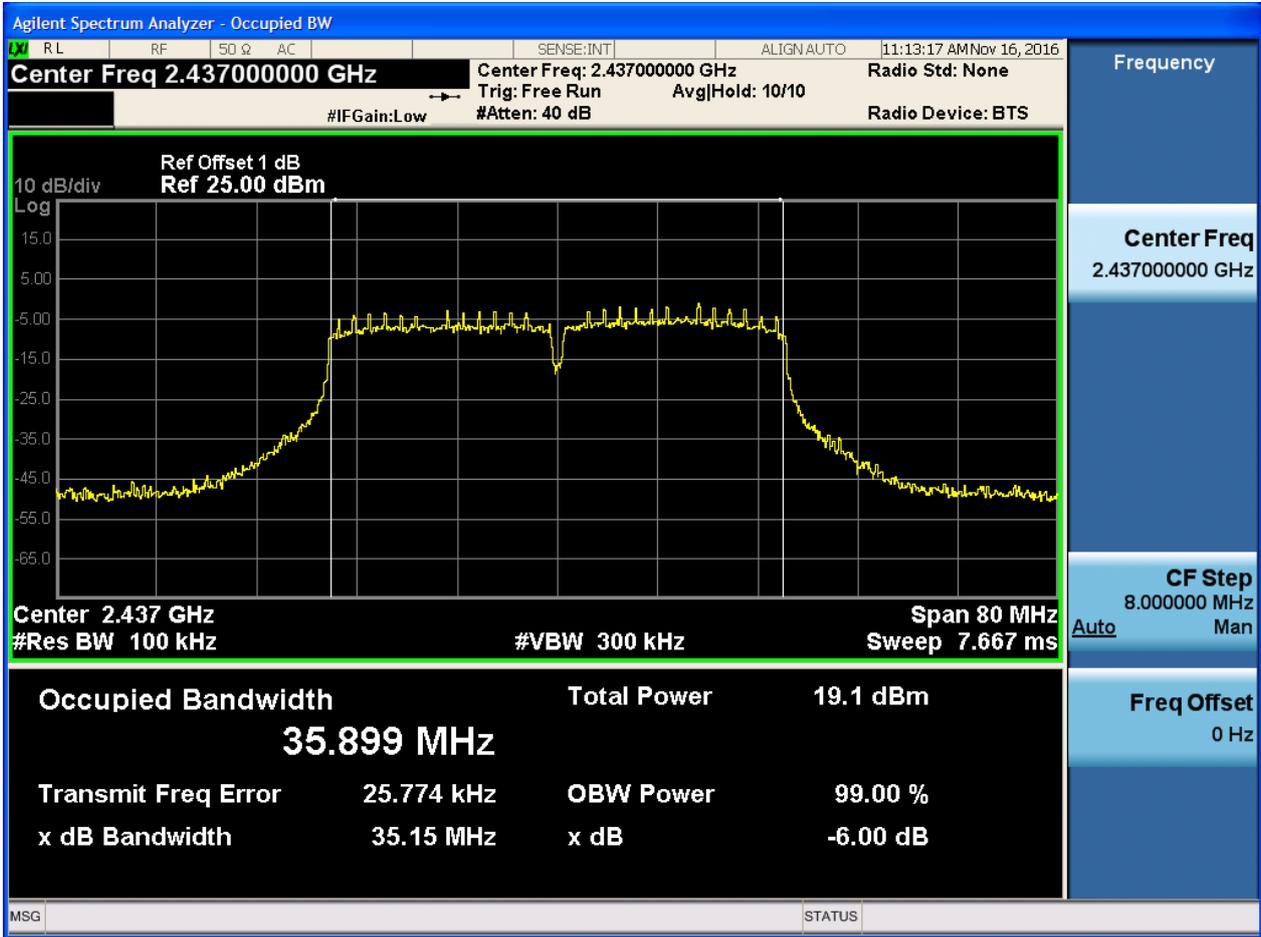


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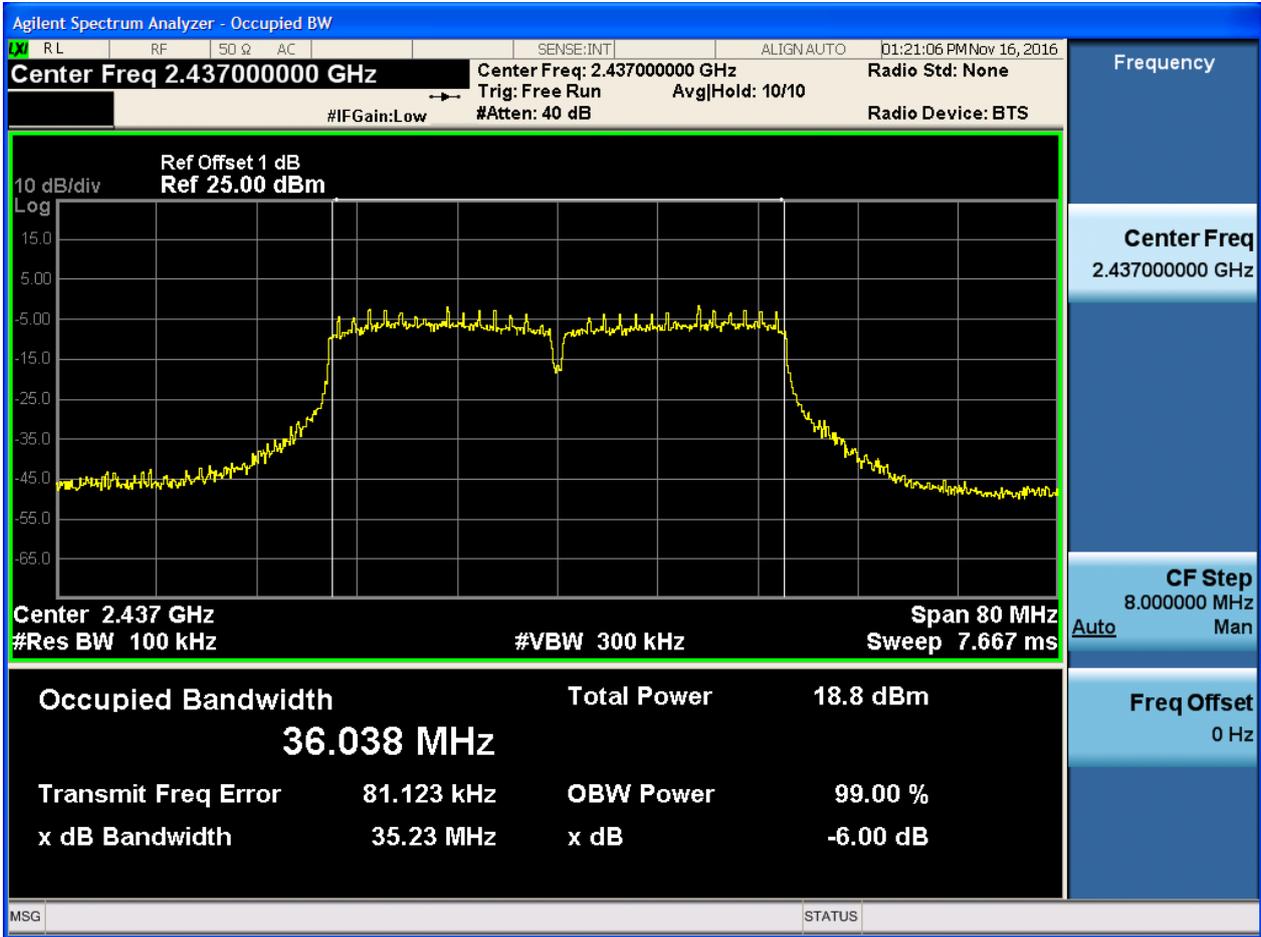


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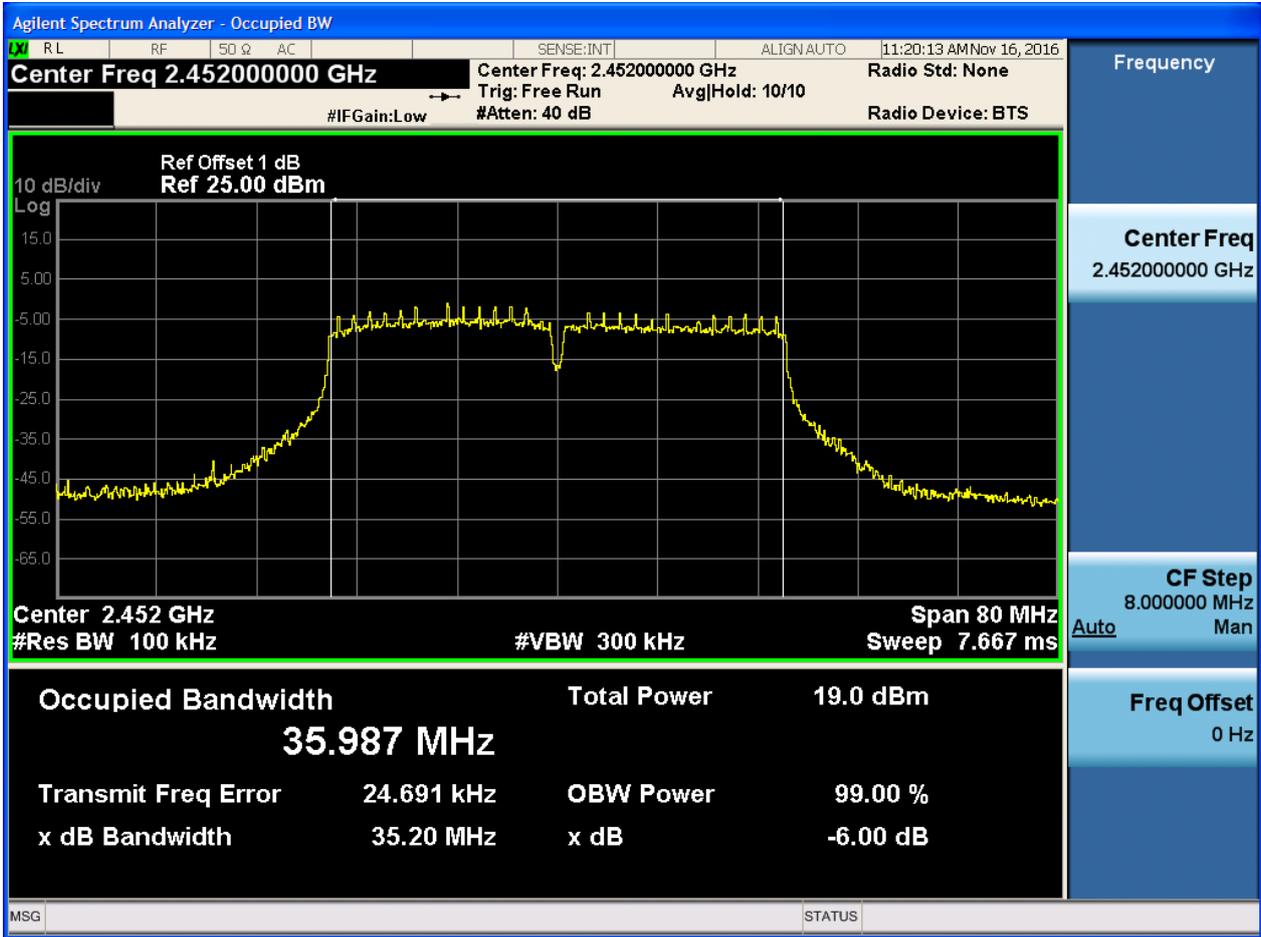


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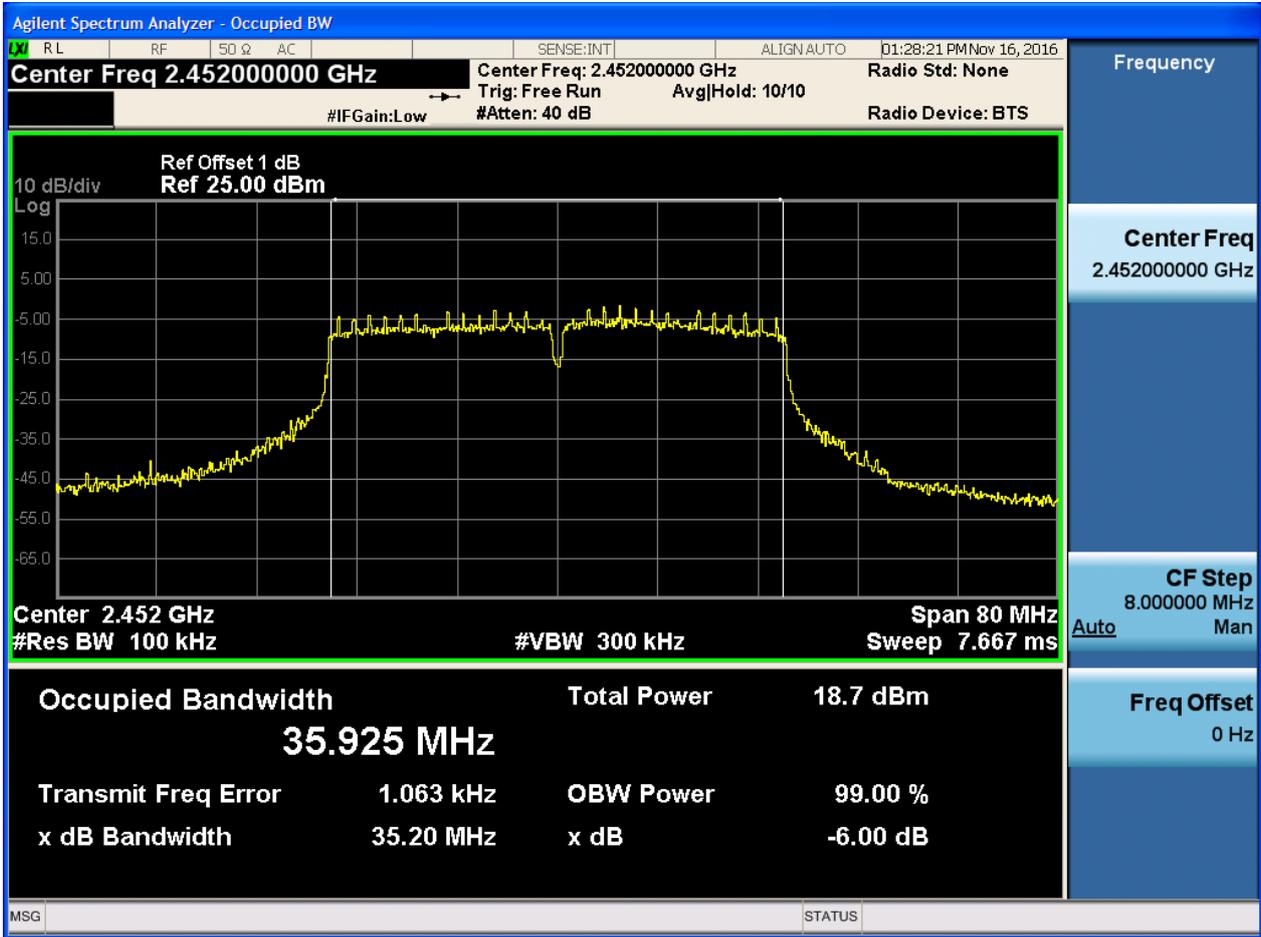


2.35 11N40m_H@Ant 1





2.36 11N40m_H@Ant 2





Appendix B: Occupied Bandwidth

For measurements on smart antenna systems (devices with multiple transmit chains), the test is performed at each chain, and used as respective results for each chain.

Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	Occupied Bandwidth [MHz]	Verdict
11B	L	2412	Ant 1	12.95	pass
11B	L	2412	Ant 2	13.22	pass
11B	M	2437	Ant 1	12.94	pass
11B	M	2437	Ant 2	13.07	pass
11B	H	2462	Ant 1	13.17	pass
11B	H	2462	Ant 2	12.92	pass
11G	L	2412	Ant 1	16.39	pass
11G	L	2412	Ant 2	16.50	pass
11G	M	2437	Ant 1	16.39	pass
11G	M	2437	Ant 2	16.44	pass
11G	H	2462	Ant 1	16.46	pass
11G	H	2462	Ant 2	16.40	pass
11N20	L	2412	Ant 1	17.55	pass
11N20	L	2412	Ant 2	17.66	pass
11N20	M	2437	Ant 1	17.55	pass
11N20	M	2437	Ant 2	17.60	pass
11N20	H	2462	Ant 1	17.62	pass
11N20	H	2462	Ant 2	17.55	pass
11N20m	L	2412	Ant 1	17.57	pass
11N20m	L	2412	Ant 2	17.64	pass
11N20m	M	2437	Ant 1	17.56	pass
11N20m	M	2437	Ant 2	17.60	pass
11N20m	H	2462	Ant 1	17.63	pass
11N20m	H	2462	Ant 2	17.55	pass
11N40	L	2422	Ant 1	36.19	pass
11N40	L	2422	Ant 2	36.10	pass
11N40	M	2437	Ant 1	36.05	pass
11N40	M	2437	Ant 2	36.16	pass
11N40	H	2452	Ant 1	36.11	pass
11N40	H	2452	Ant 2	36.06	pass
11N40m	L	2422	Ant 1	36.18	pass
11N40m	L	2422	Ant 2	36.01	pass

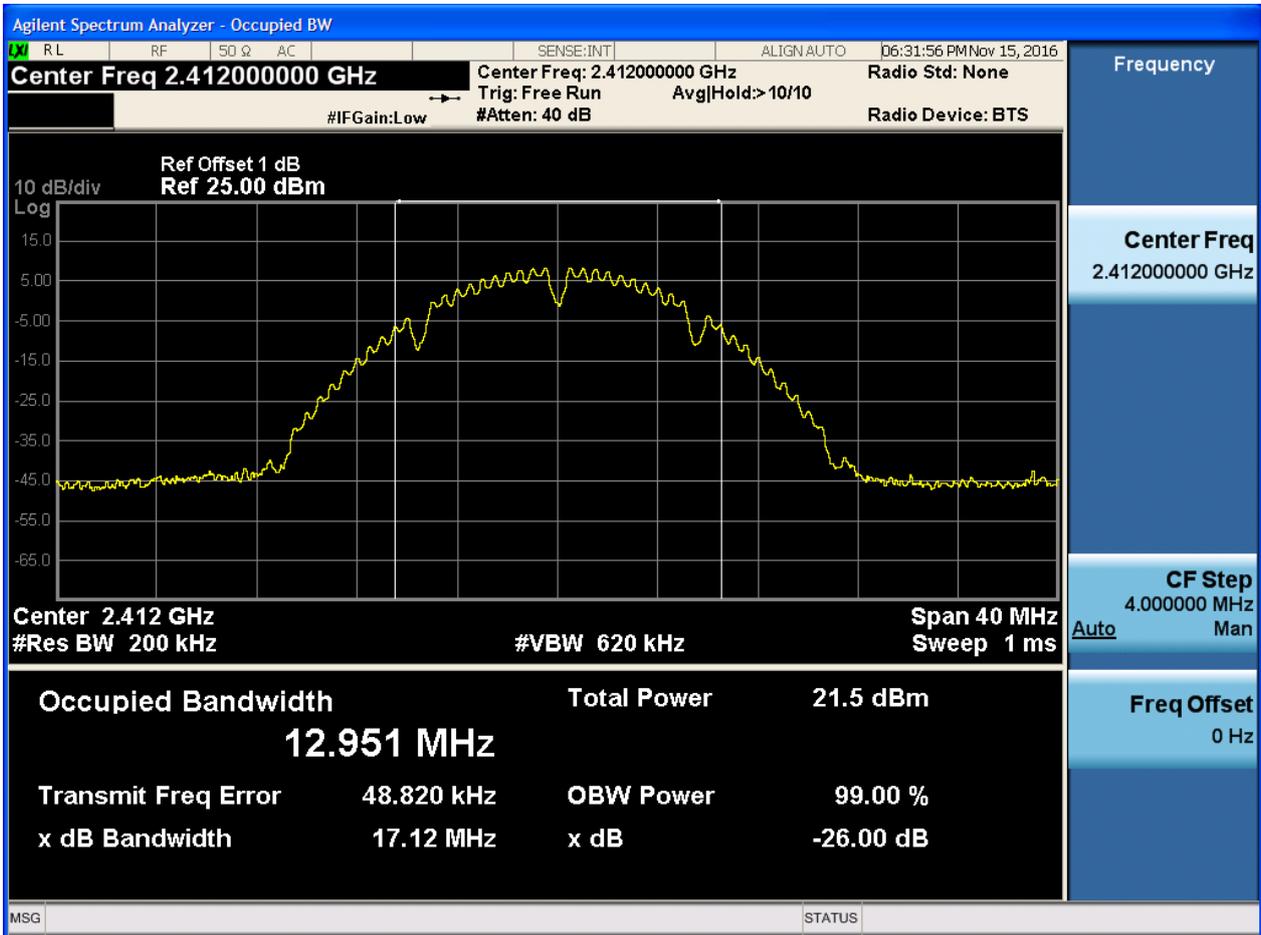


Test Mode	Test Channel	Frequency[MHz]	Ant	Occupied Bandwidth [MHz]	Verdict
11N40m	M	2437	Ant 1	36.05	pass
11N40m	M	2437	Ant 2	36.15	pass
11N40m	H	2452	Ant 1	36.12	pass
11N40m	H	2452	Ant 2	36.04	pass



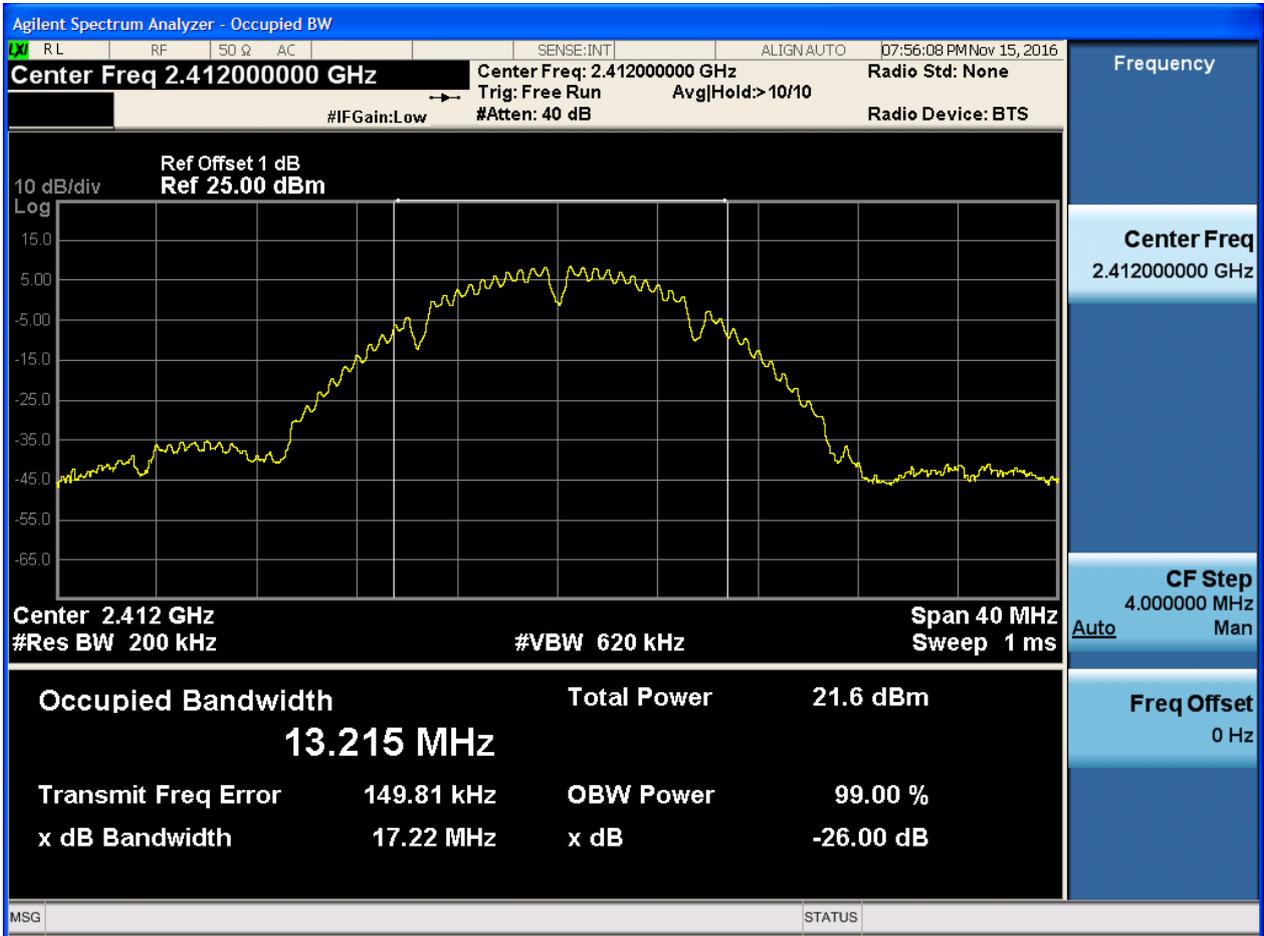
Part II - Test Plots

2.1 11B_L@Ant 1



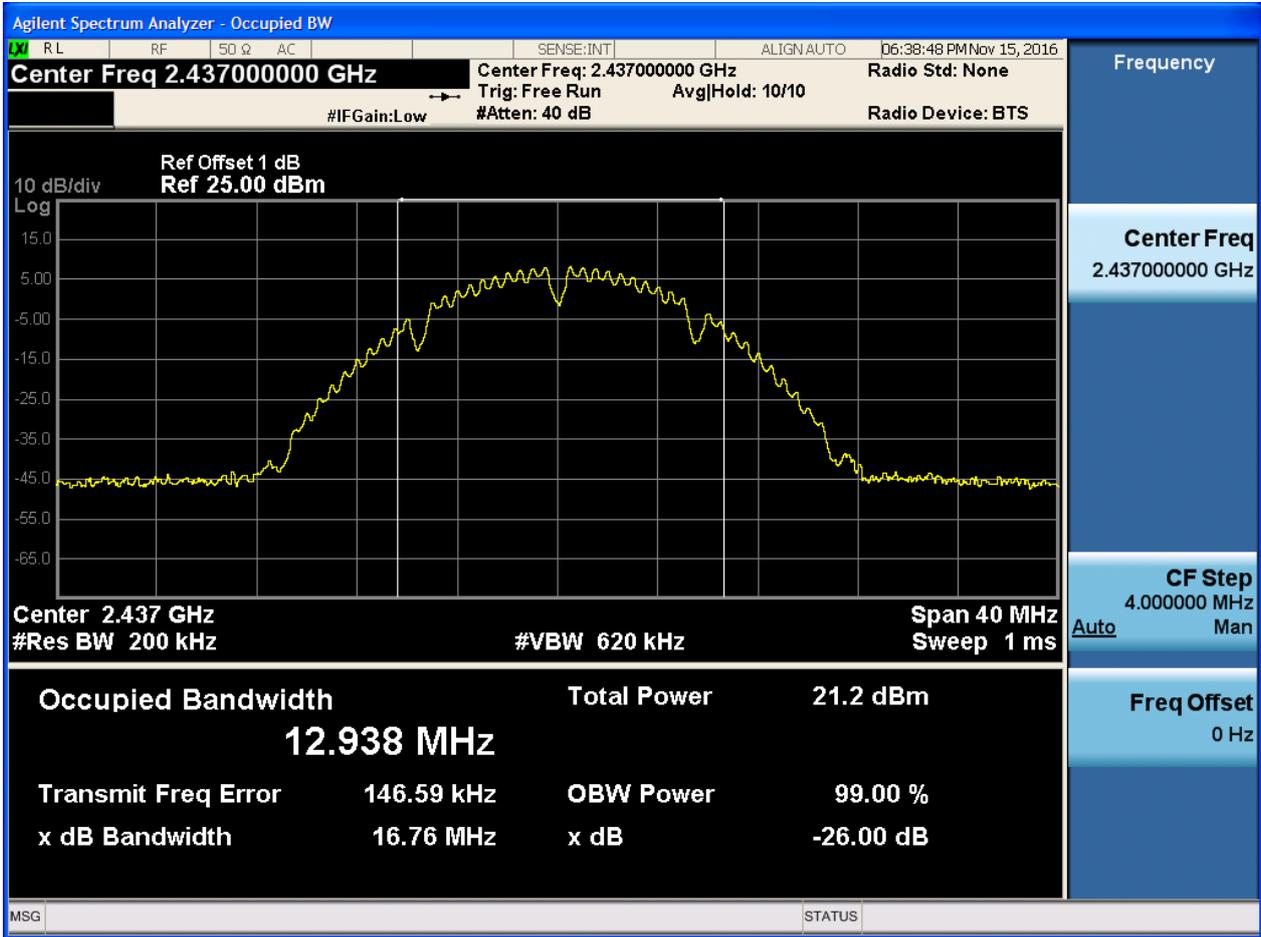


2.2 11B_L@Ant 2



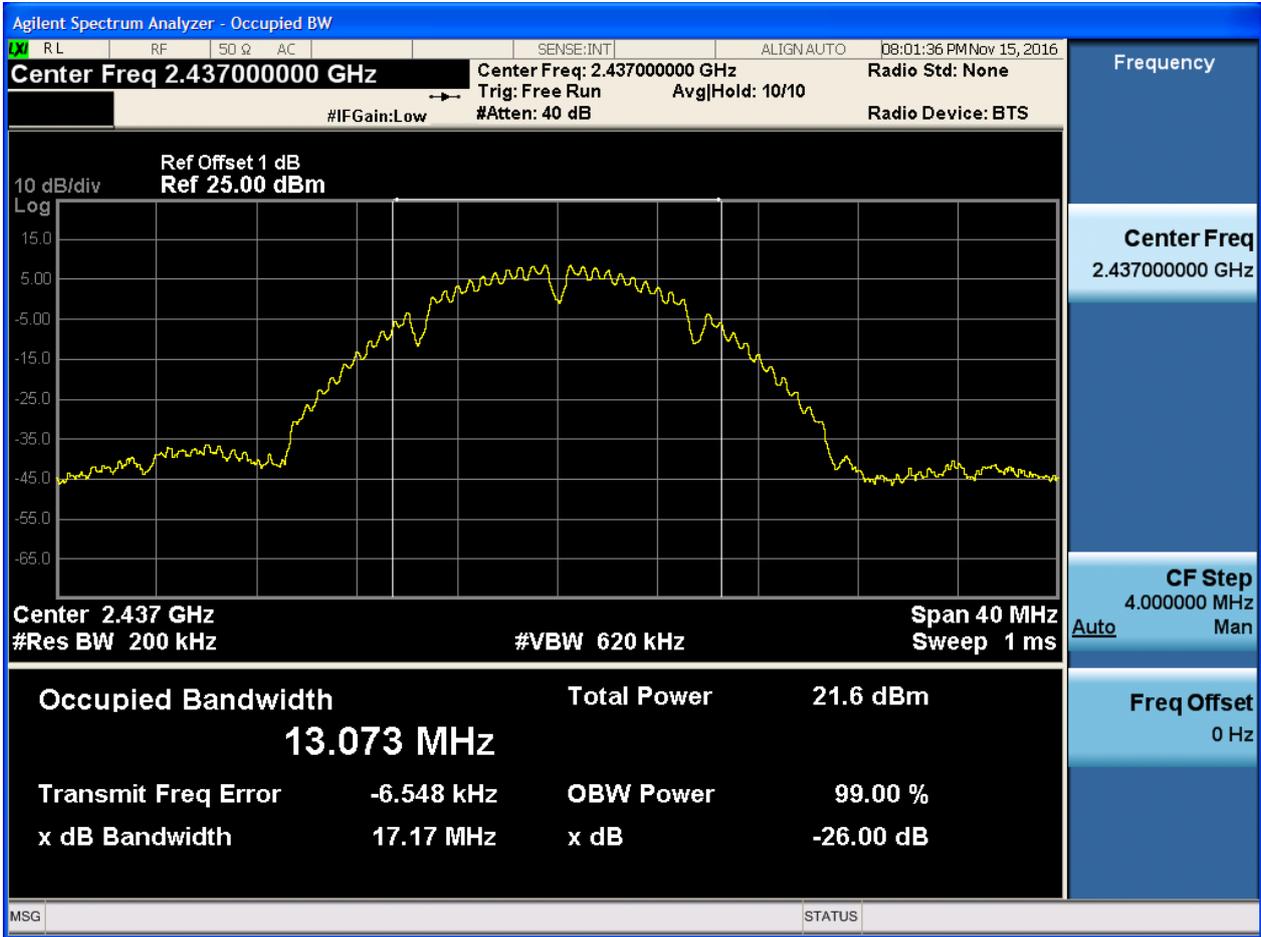


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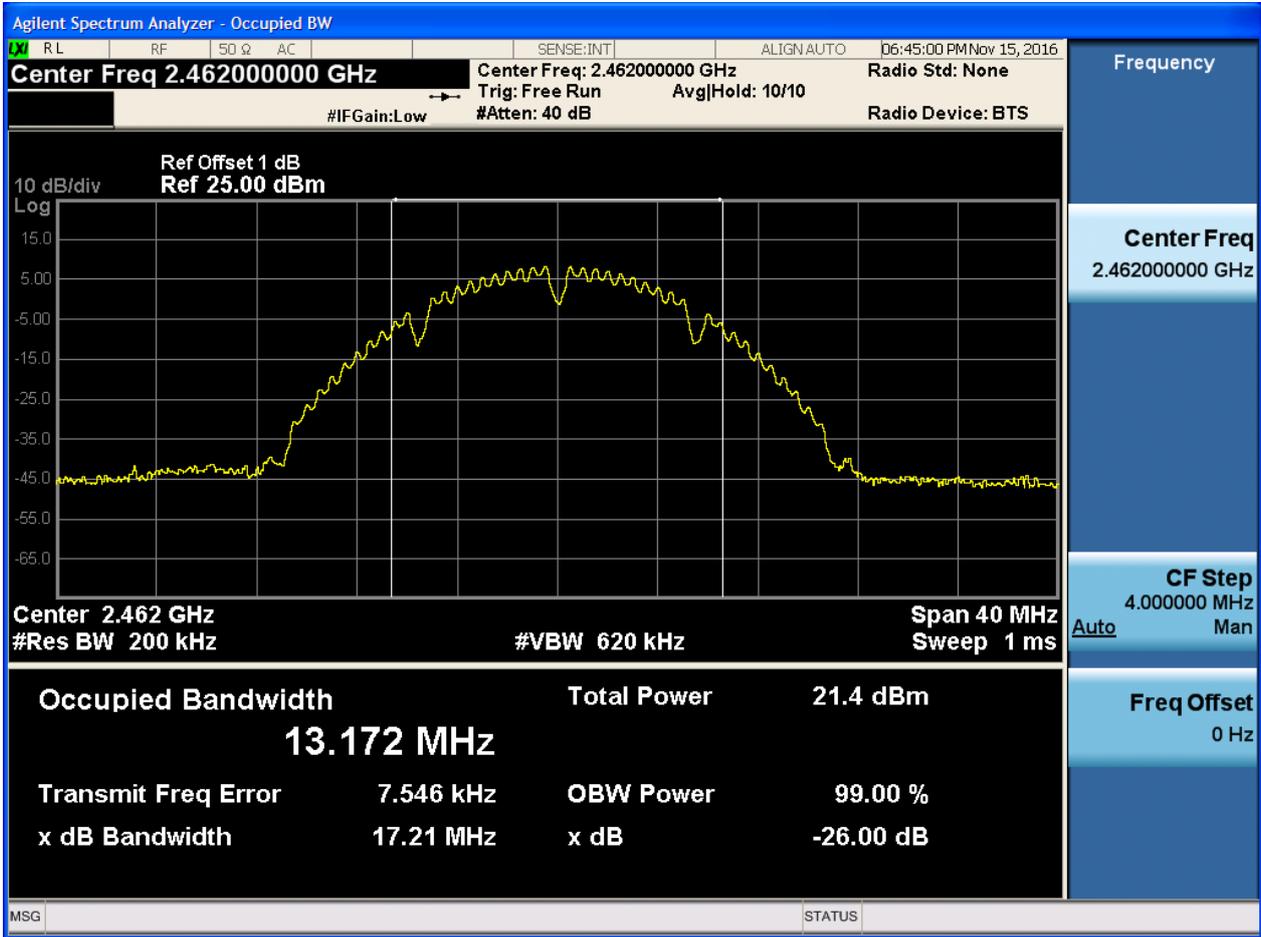


2.4 11B_M@Ant 2



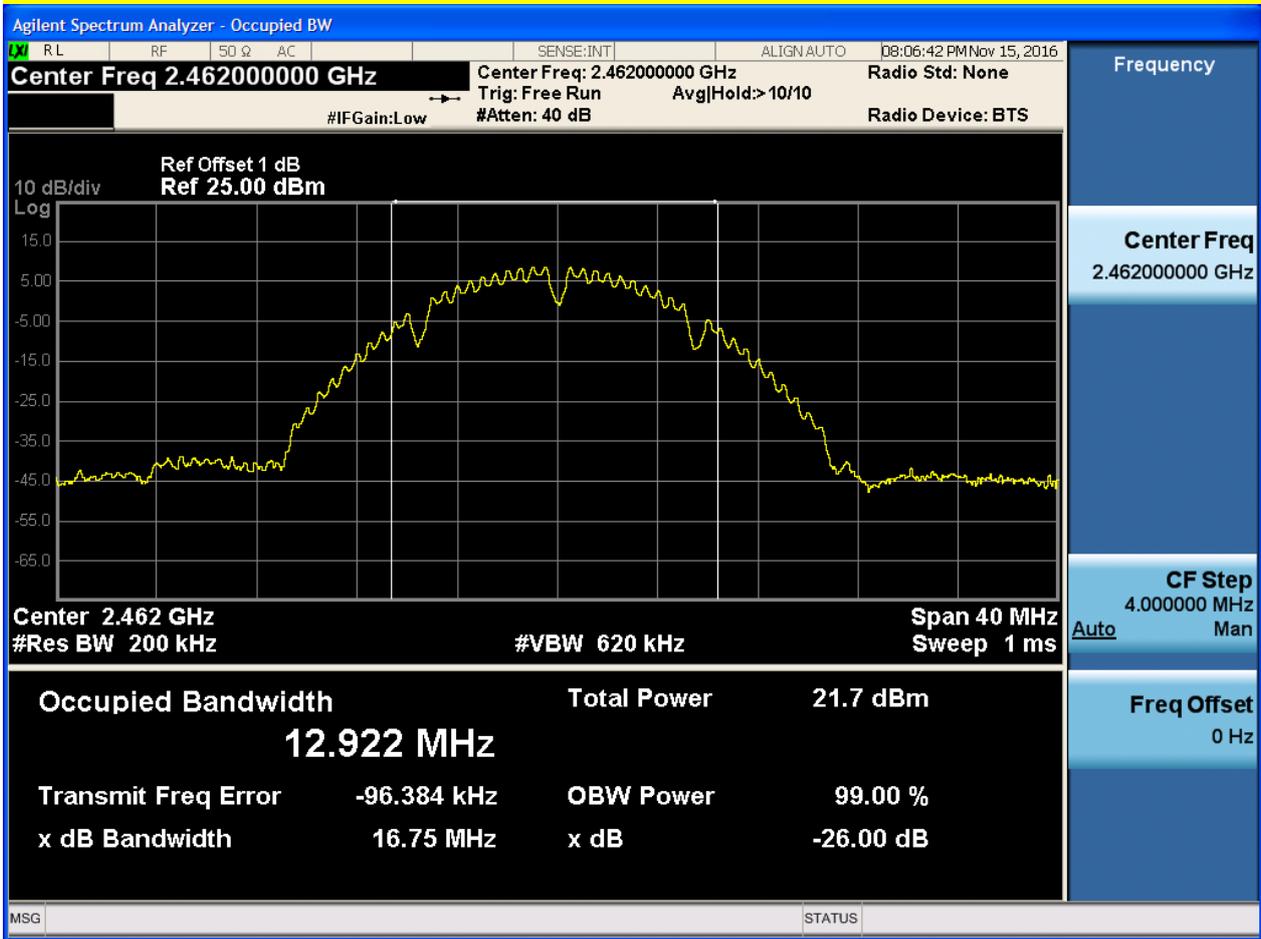


2.5 11B_H@Ant 1



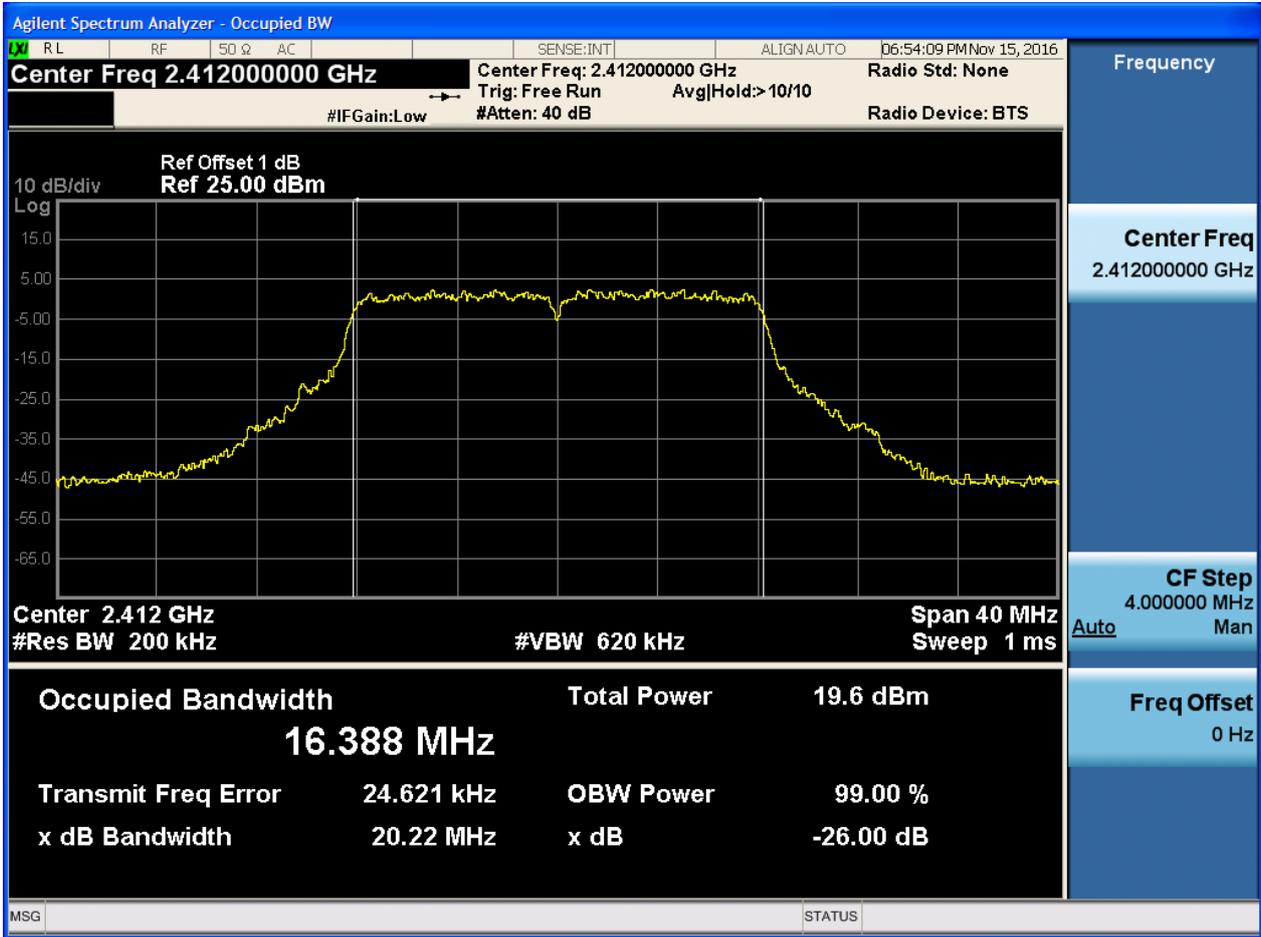


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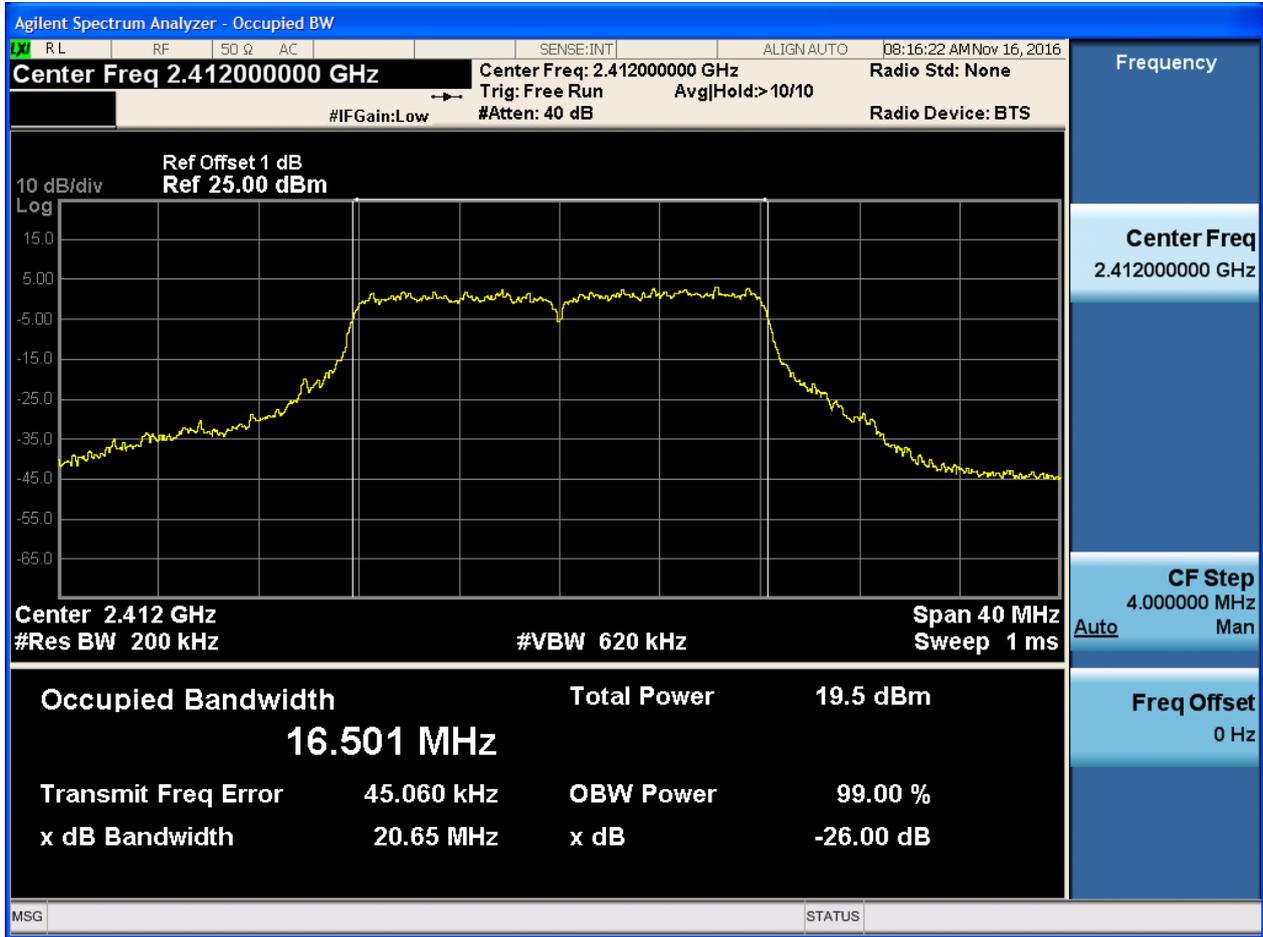


2.7 11G_L@Ant 1



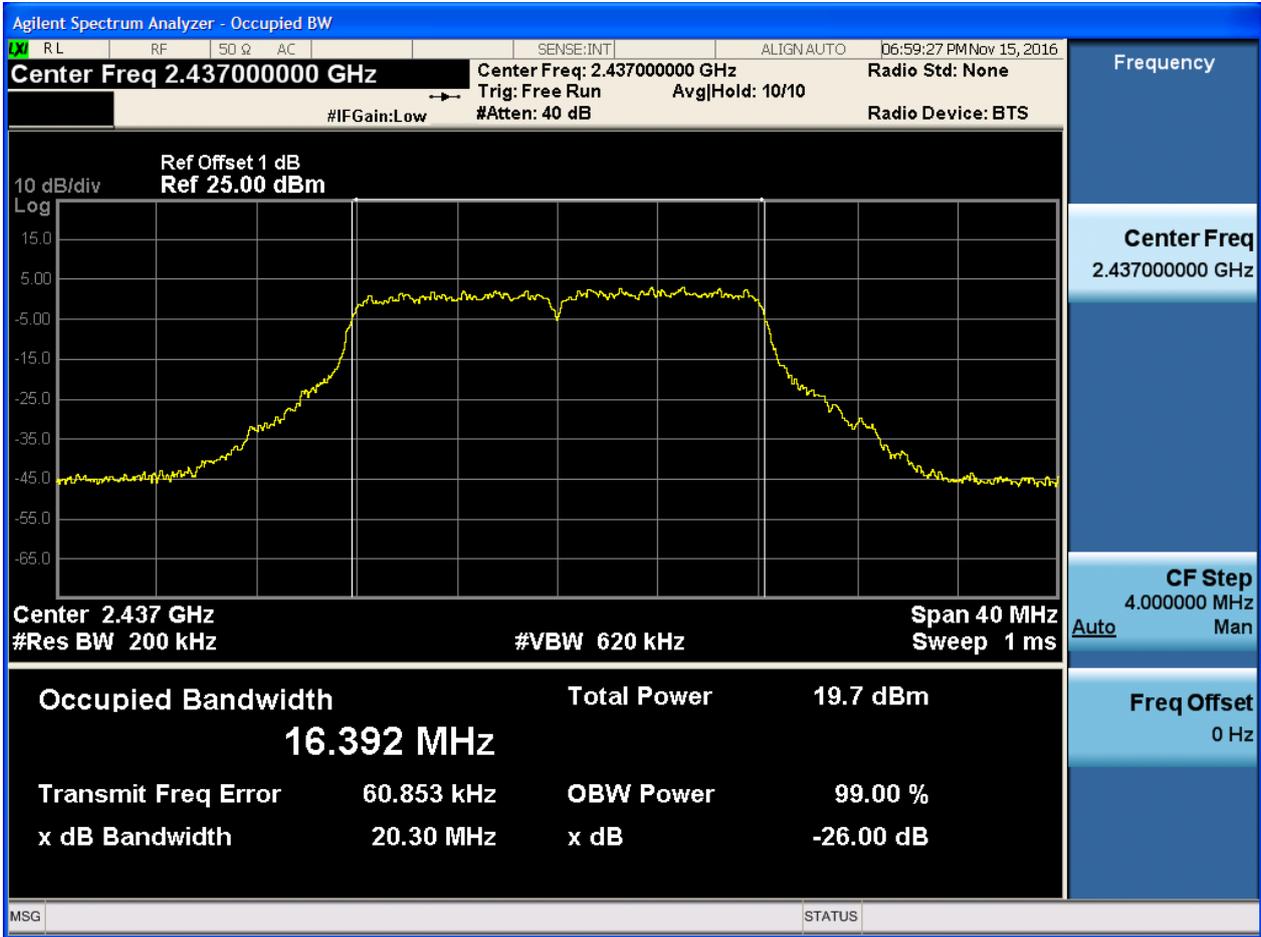


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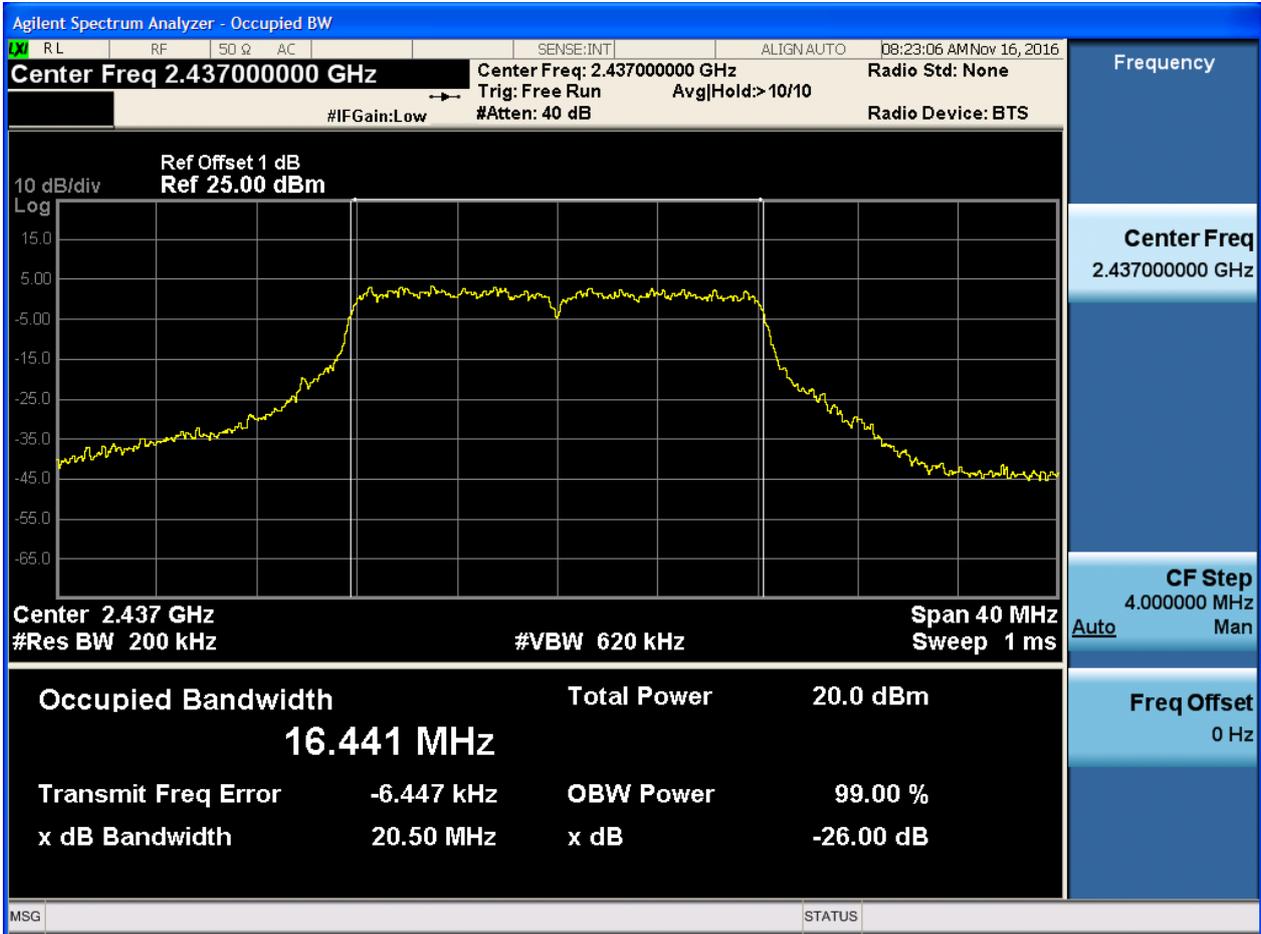


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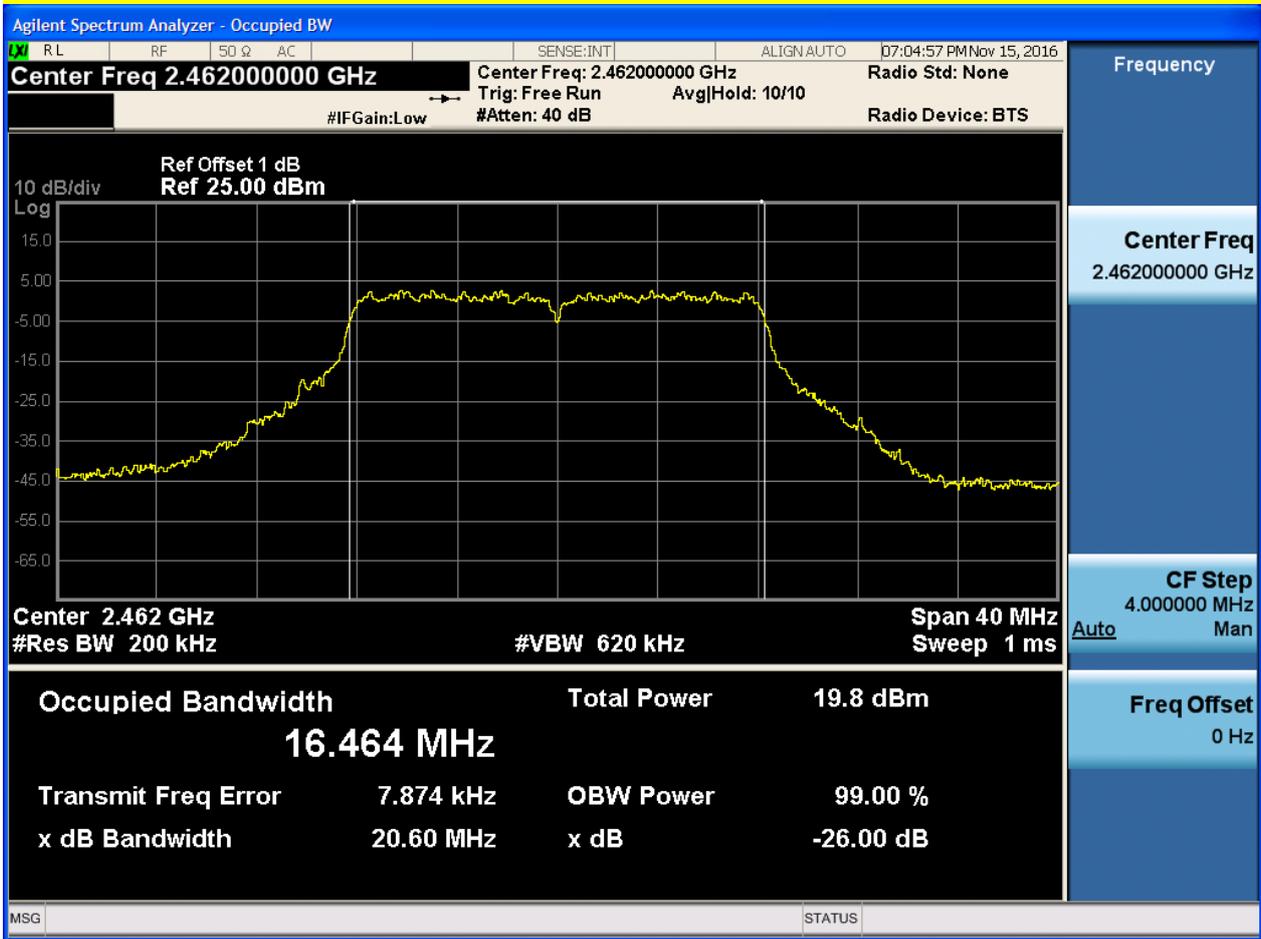


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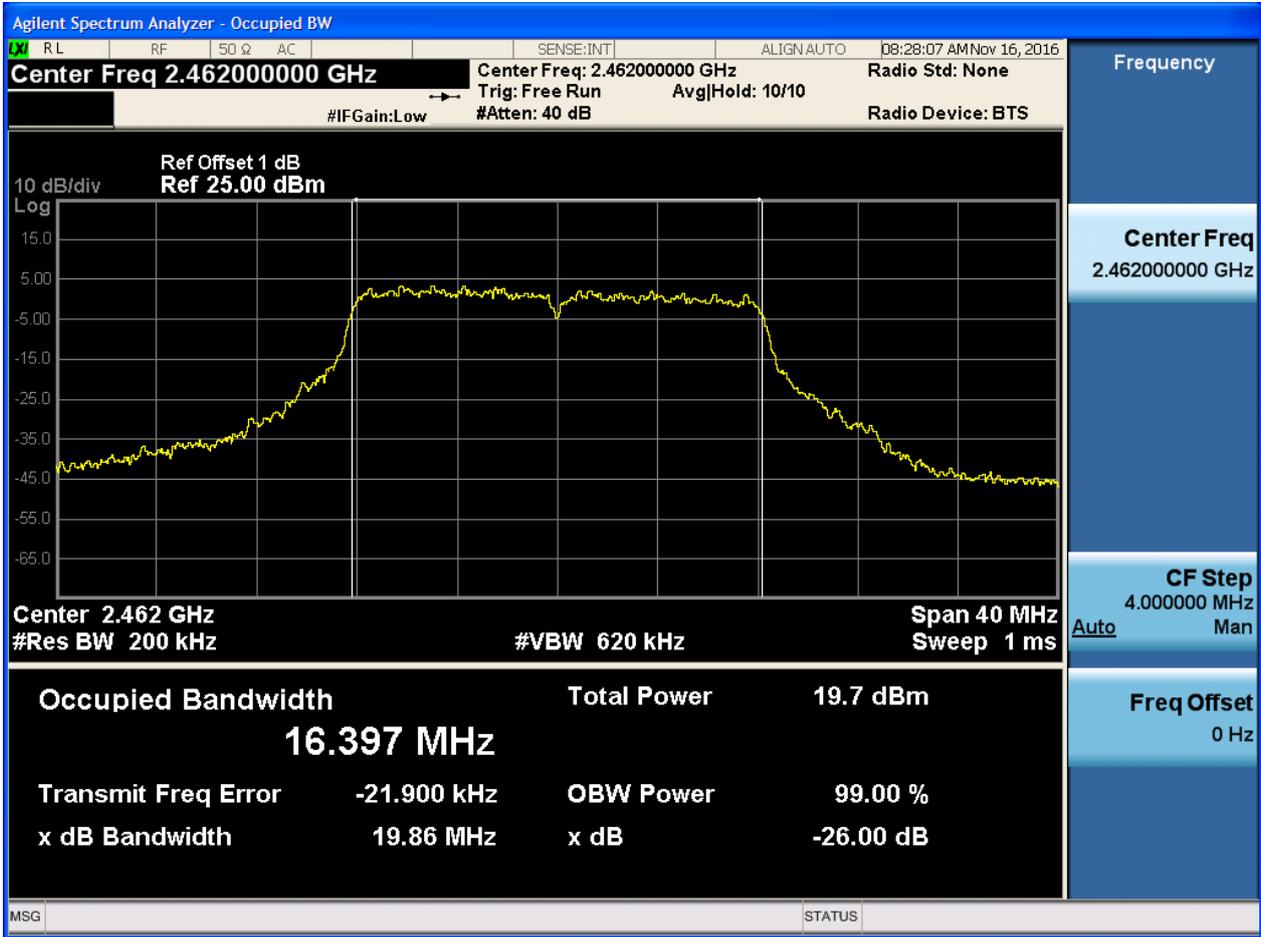


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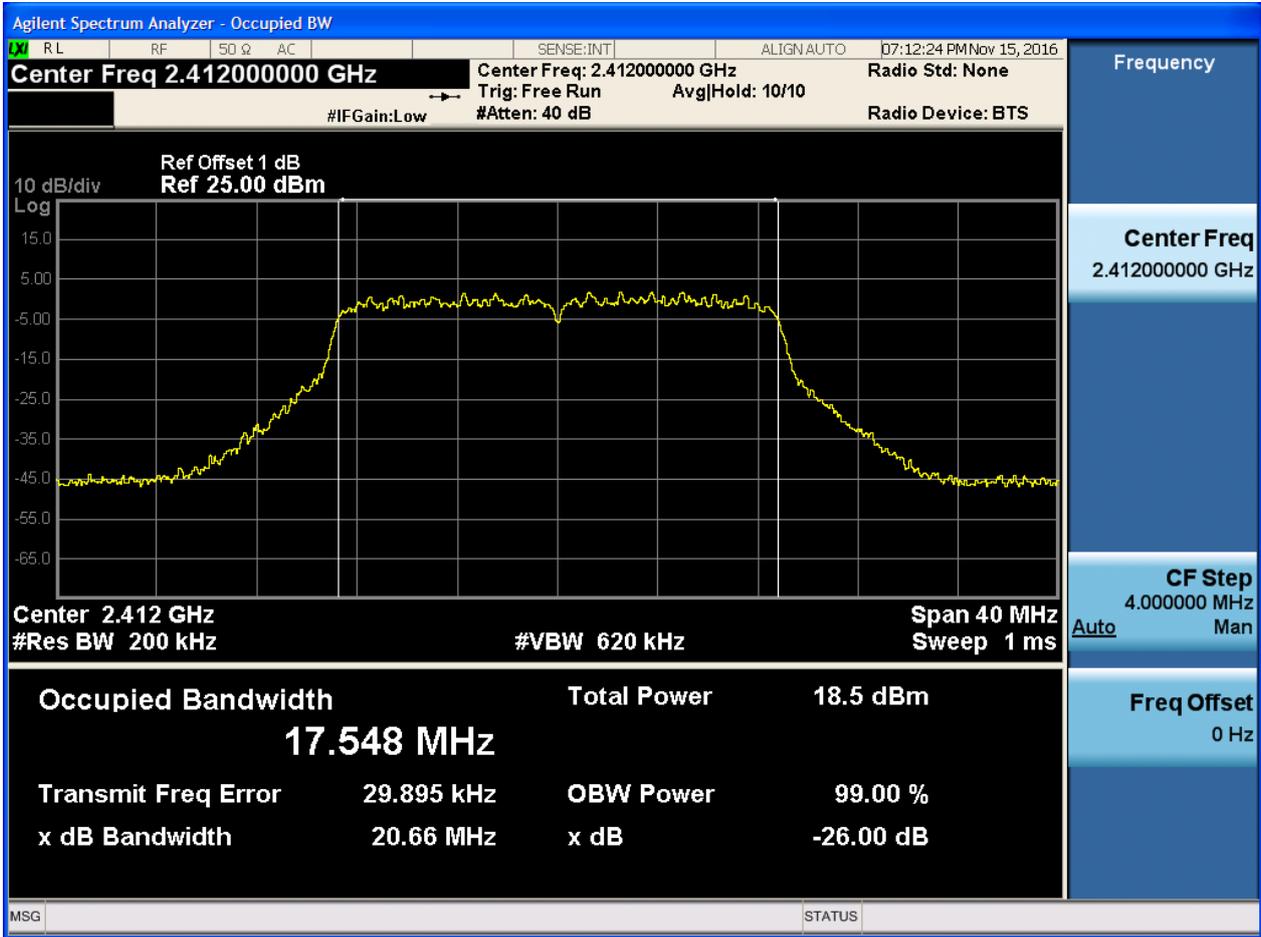


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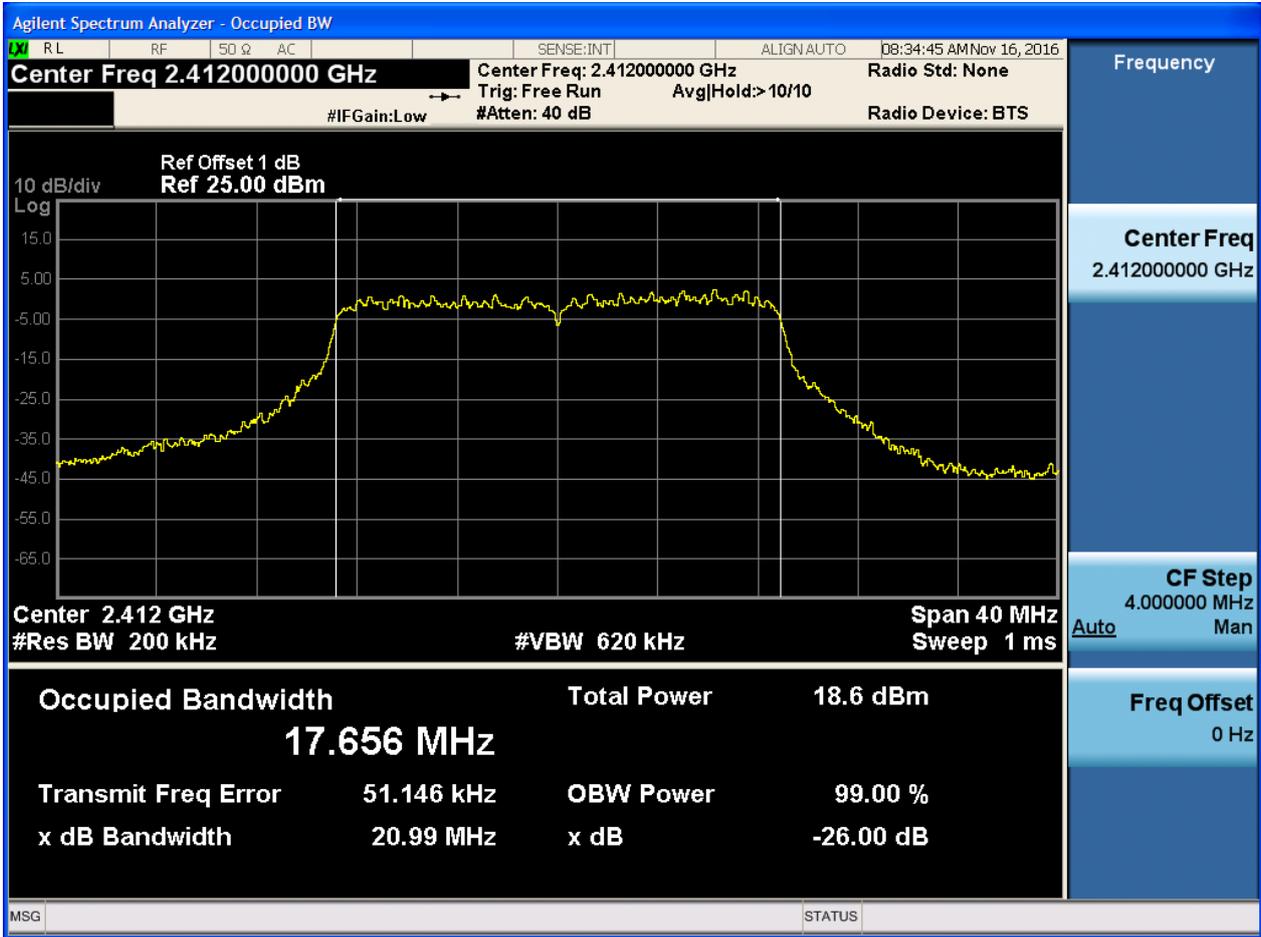


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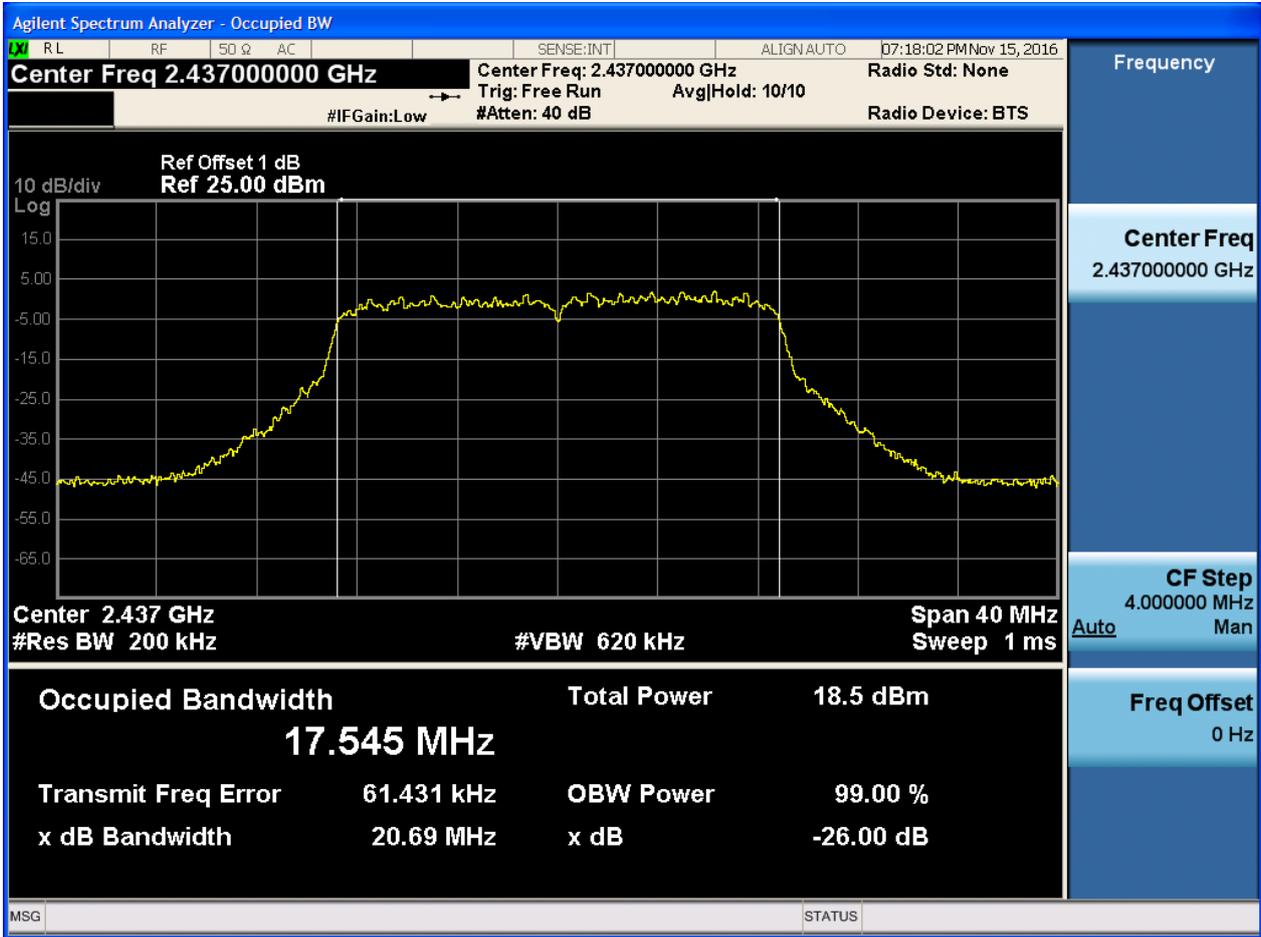


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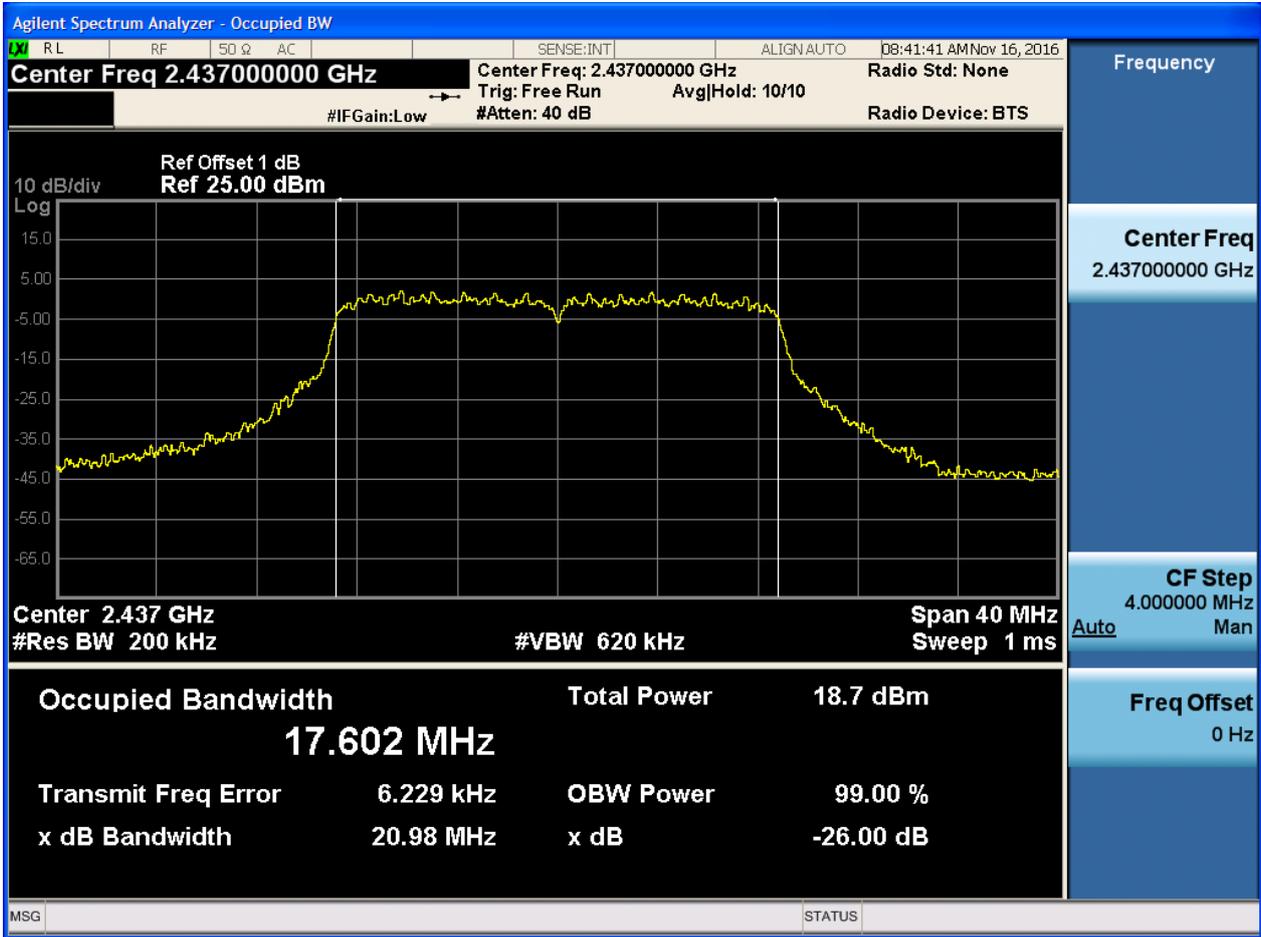


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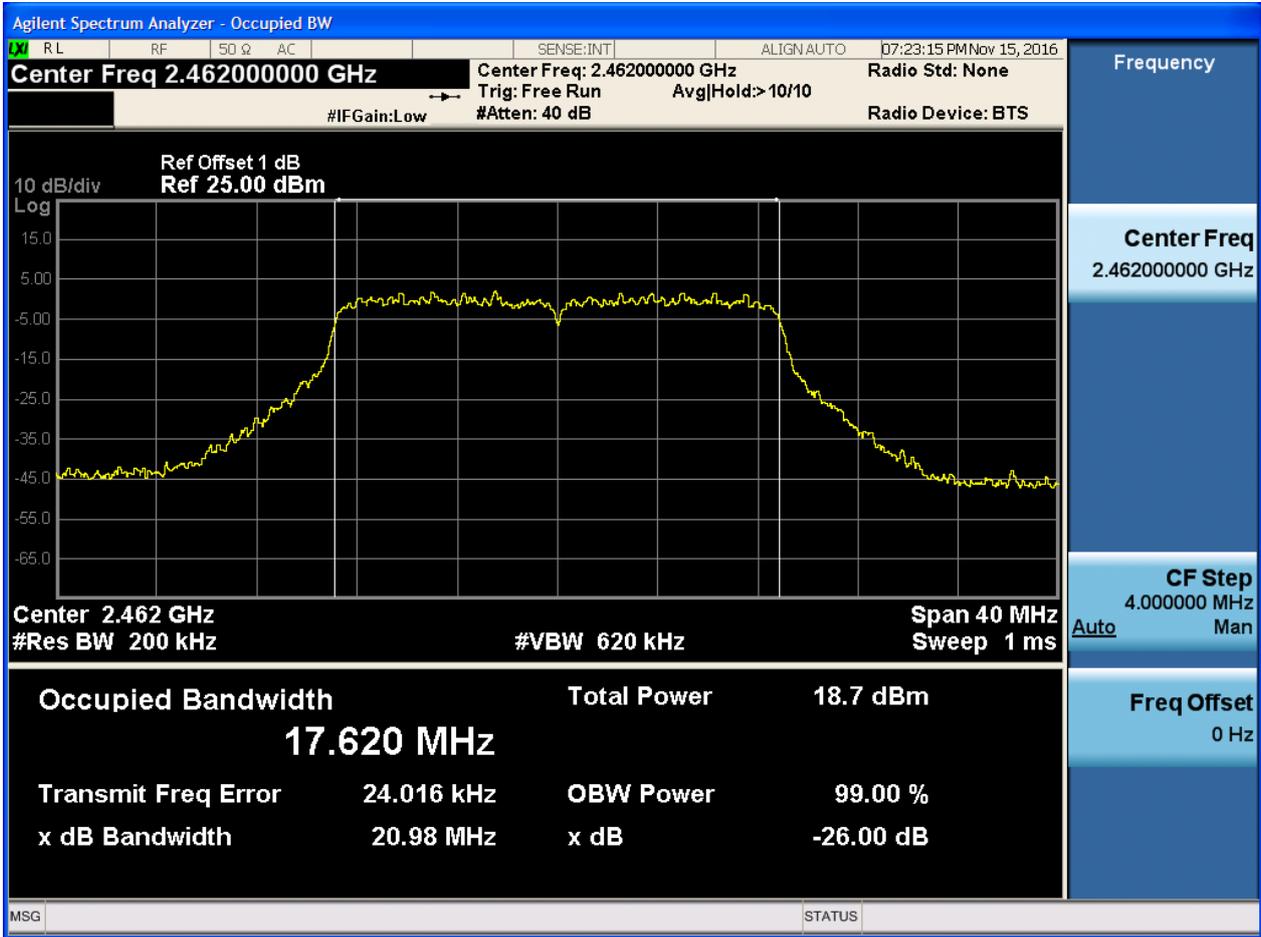


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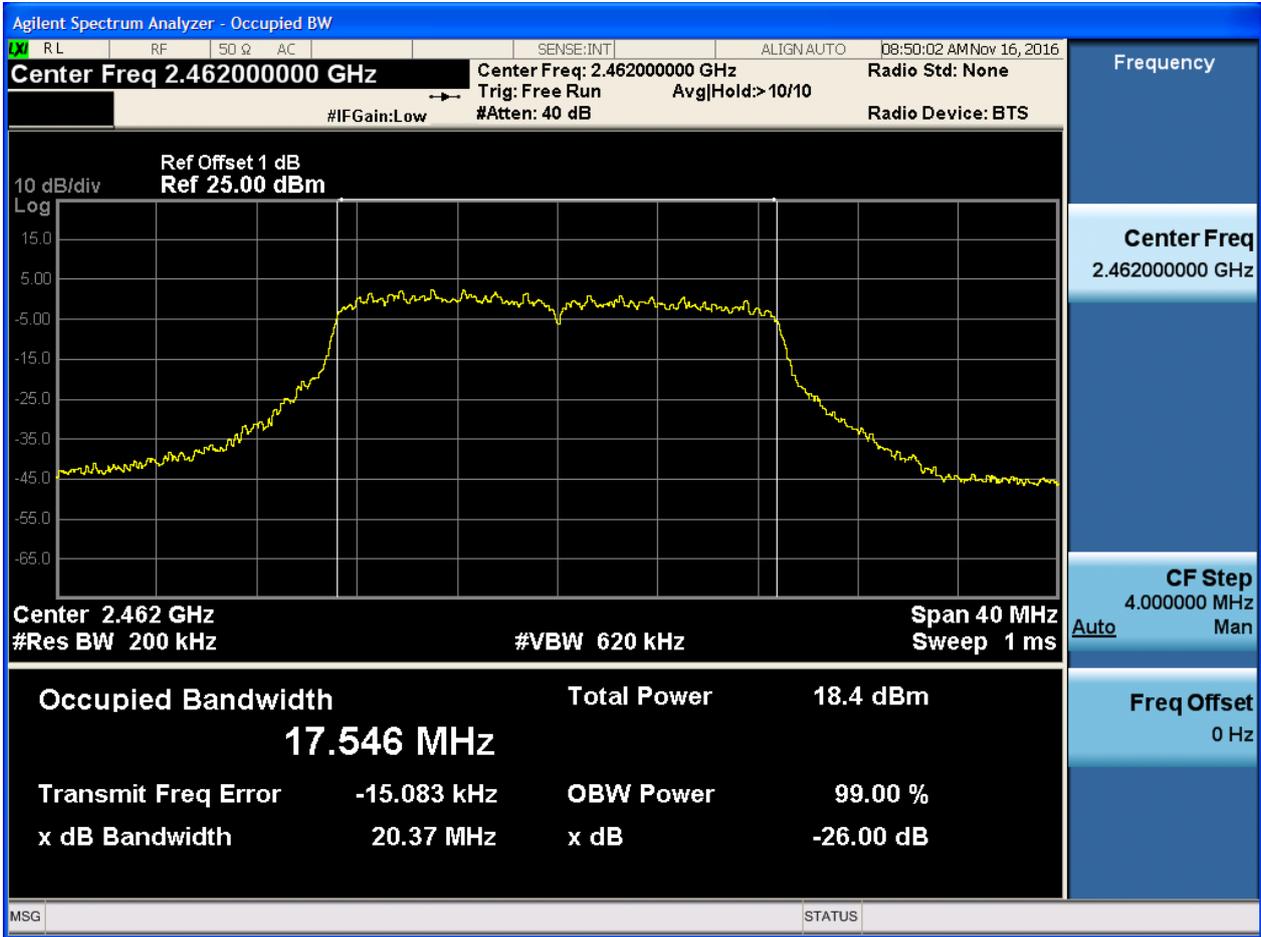


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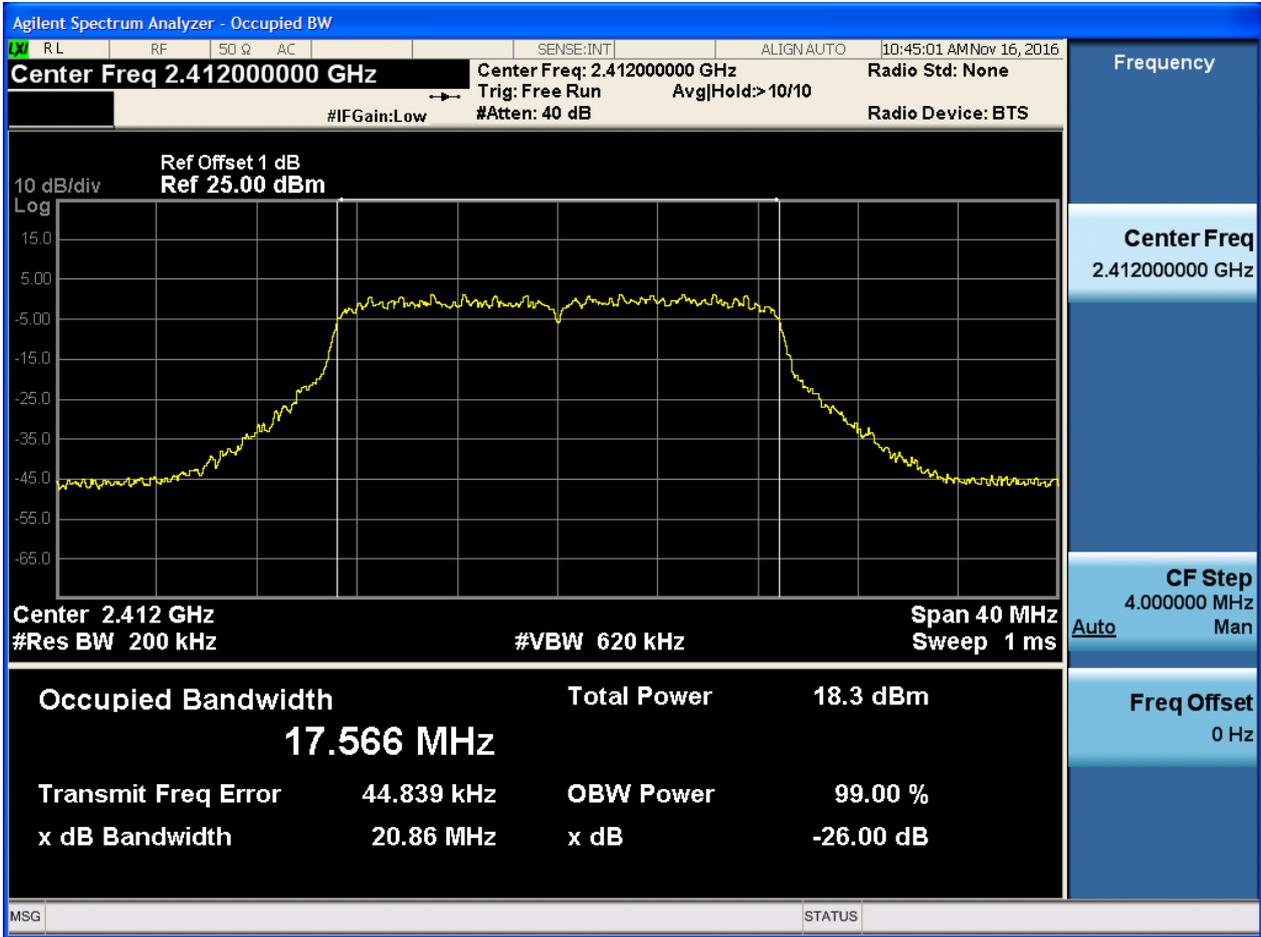


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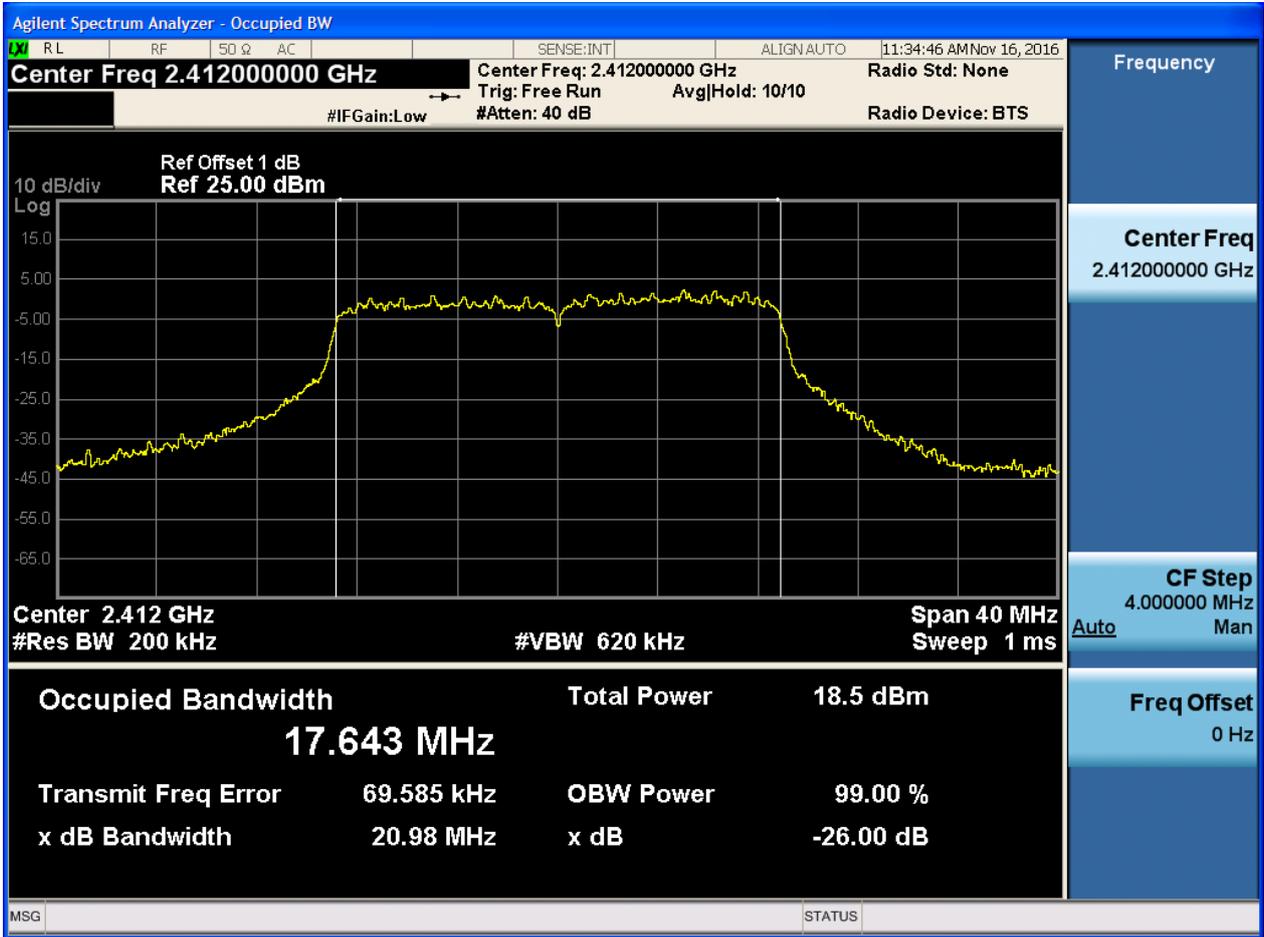


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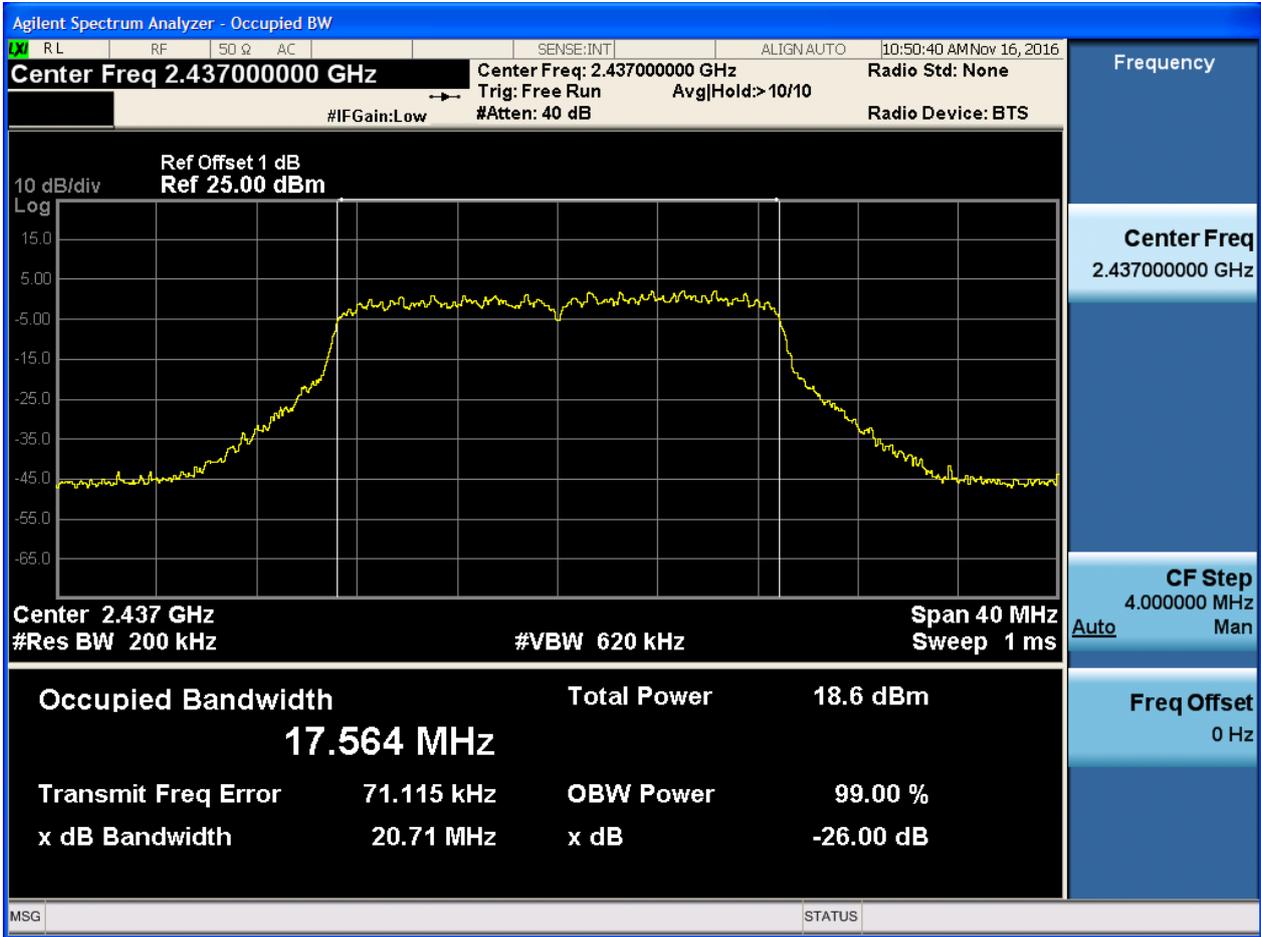


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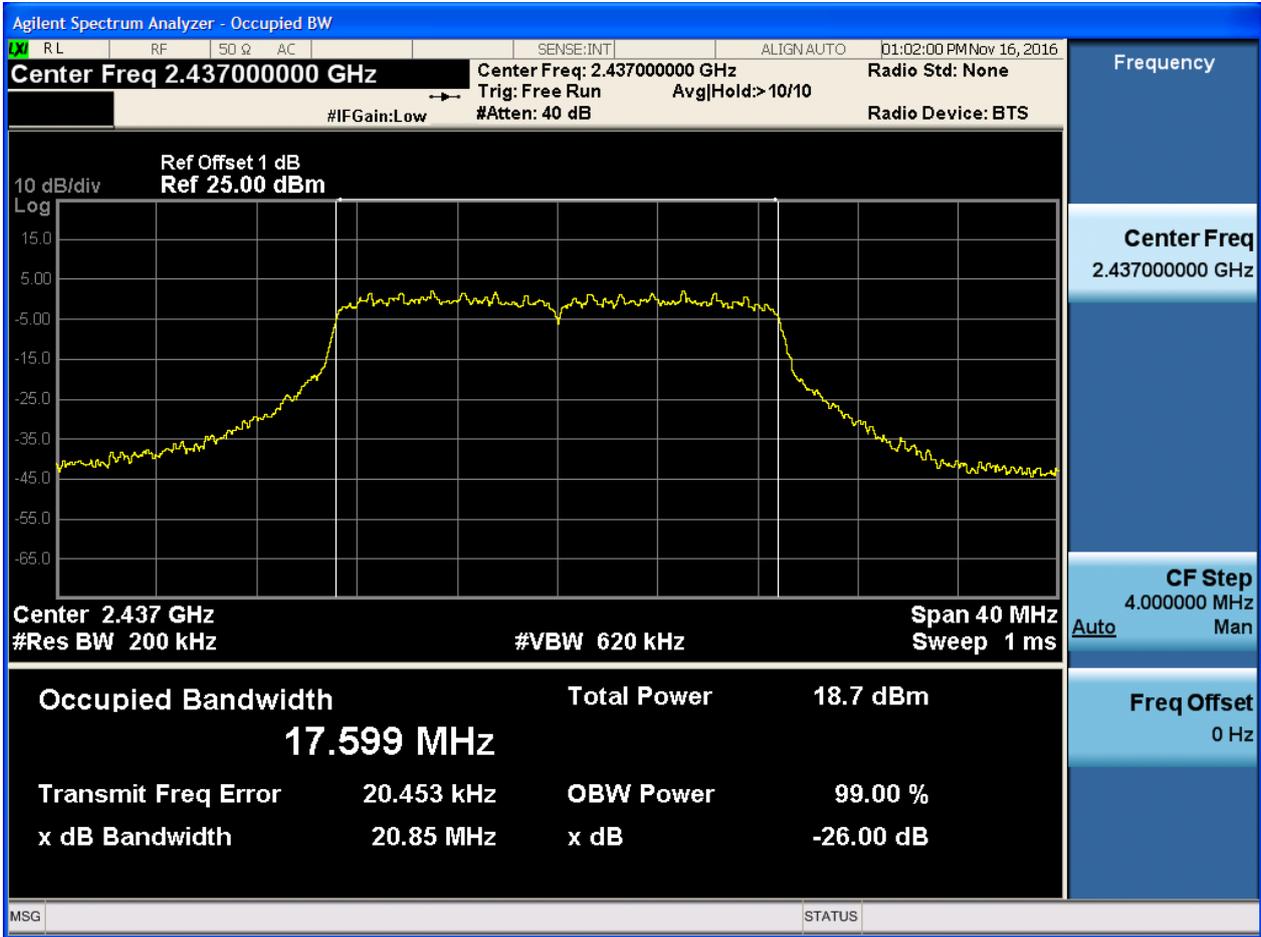


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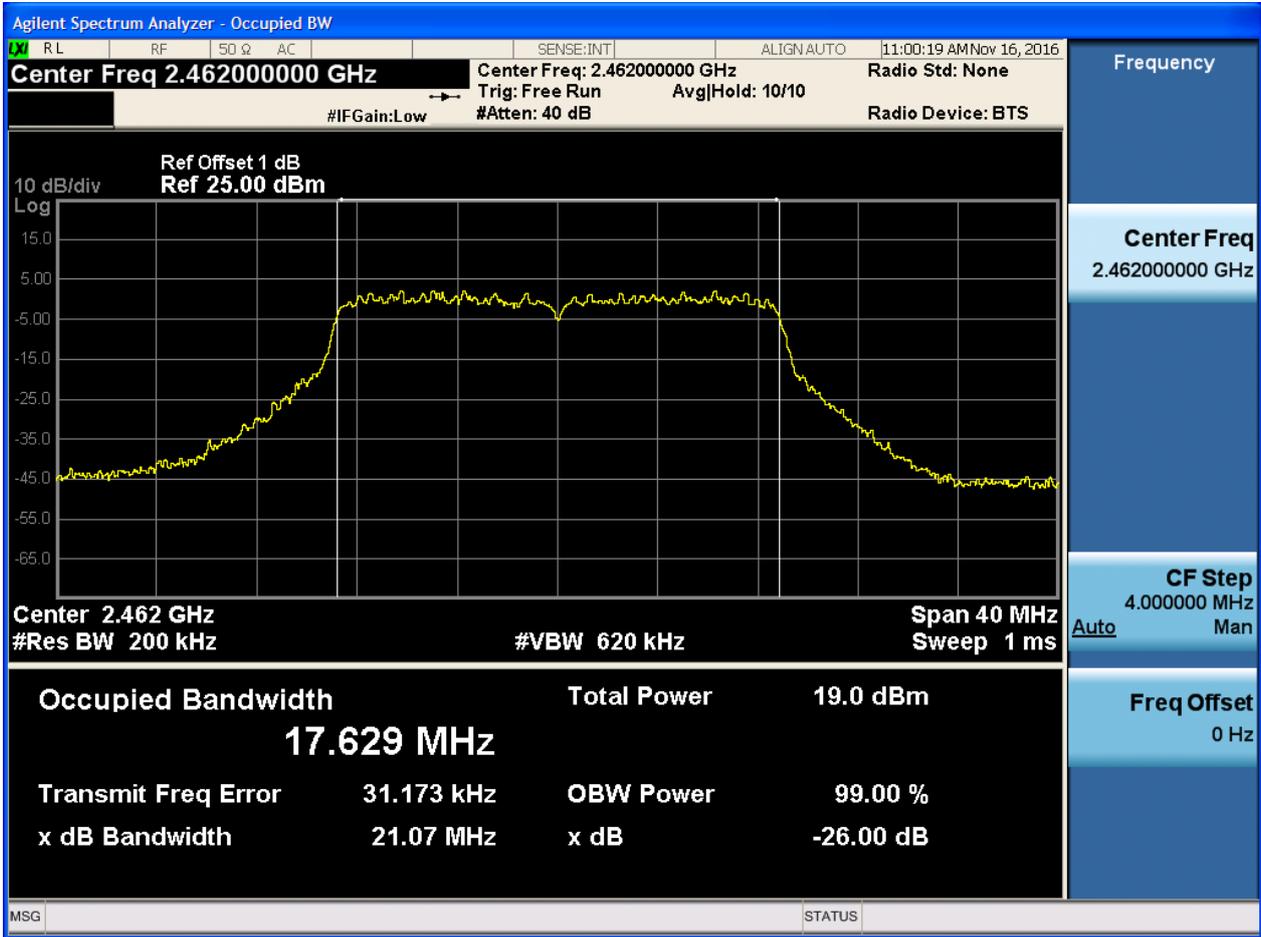


2.22 11N20m_M@Ant 2



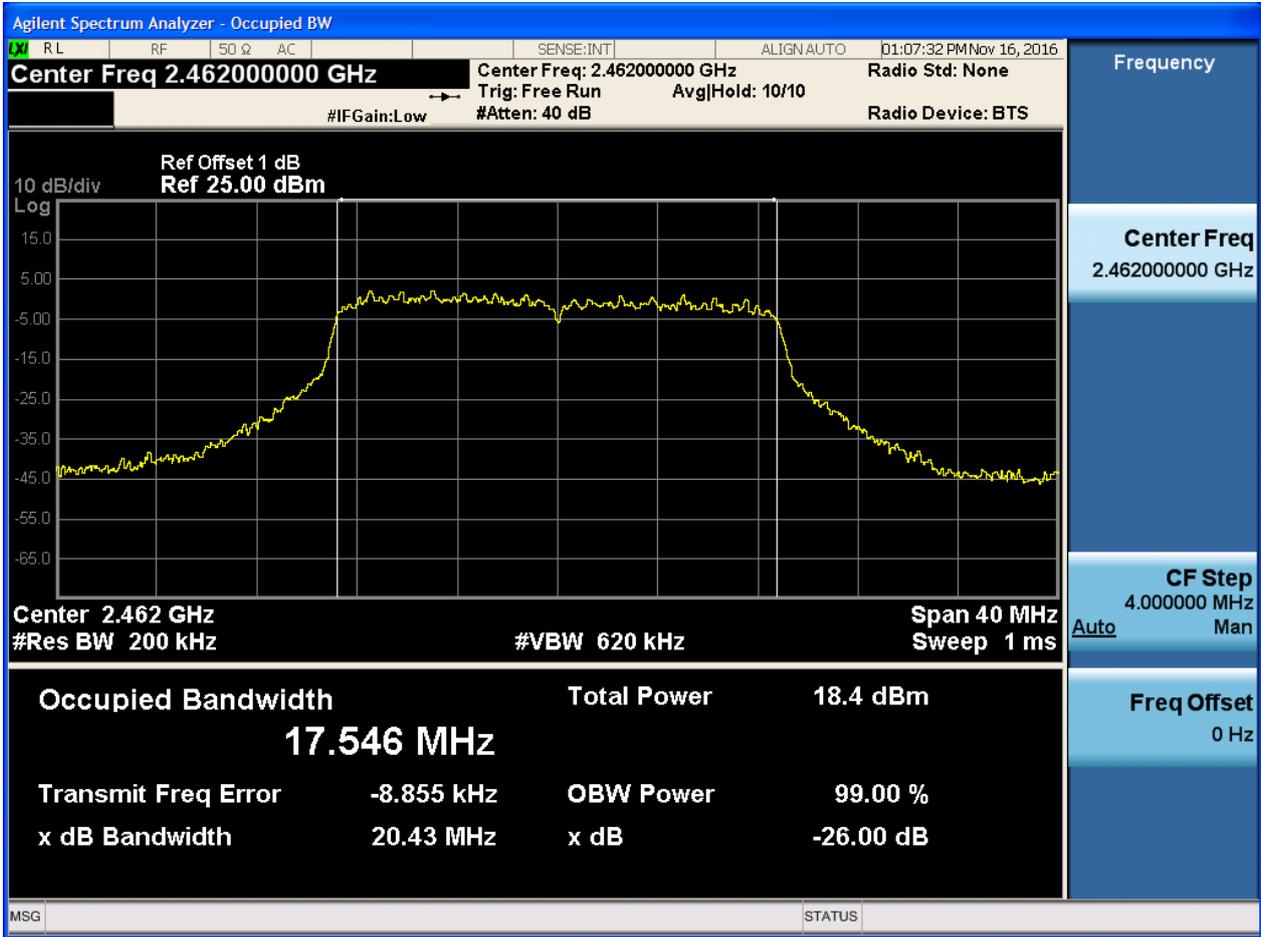


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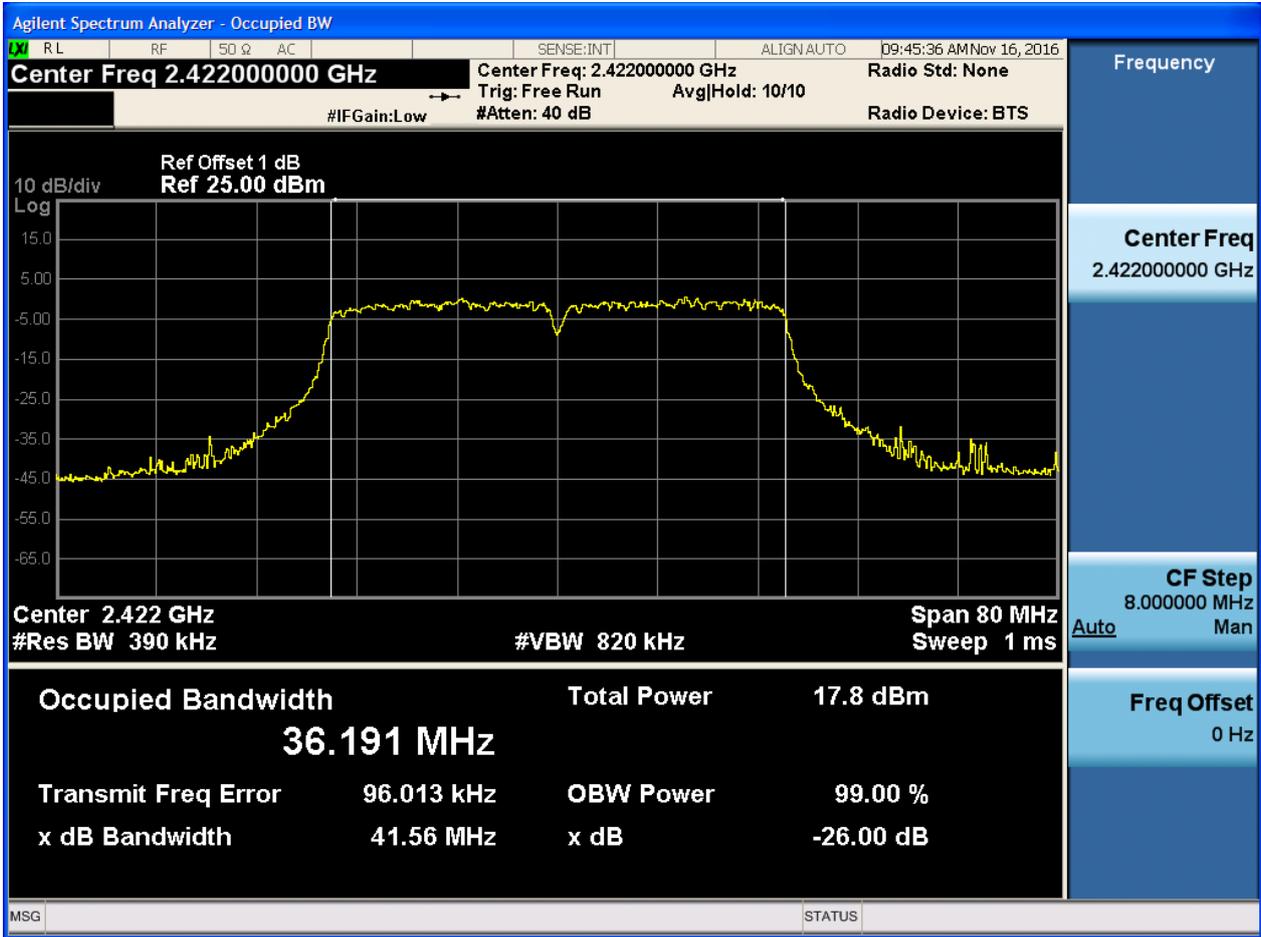


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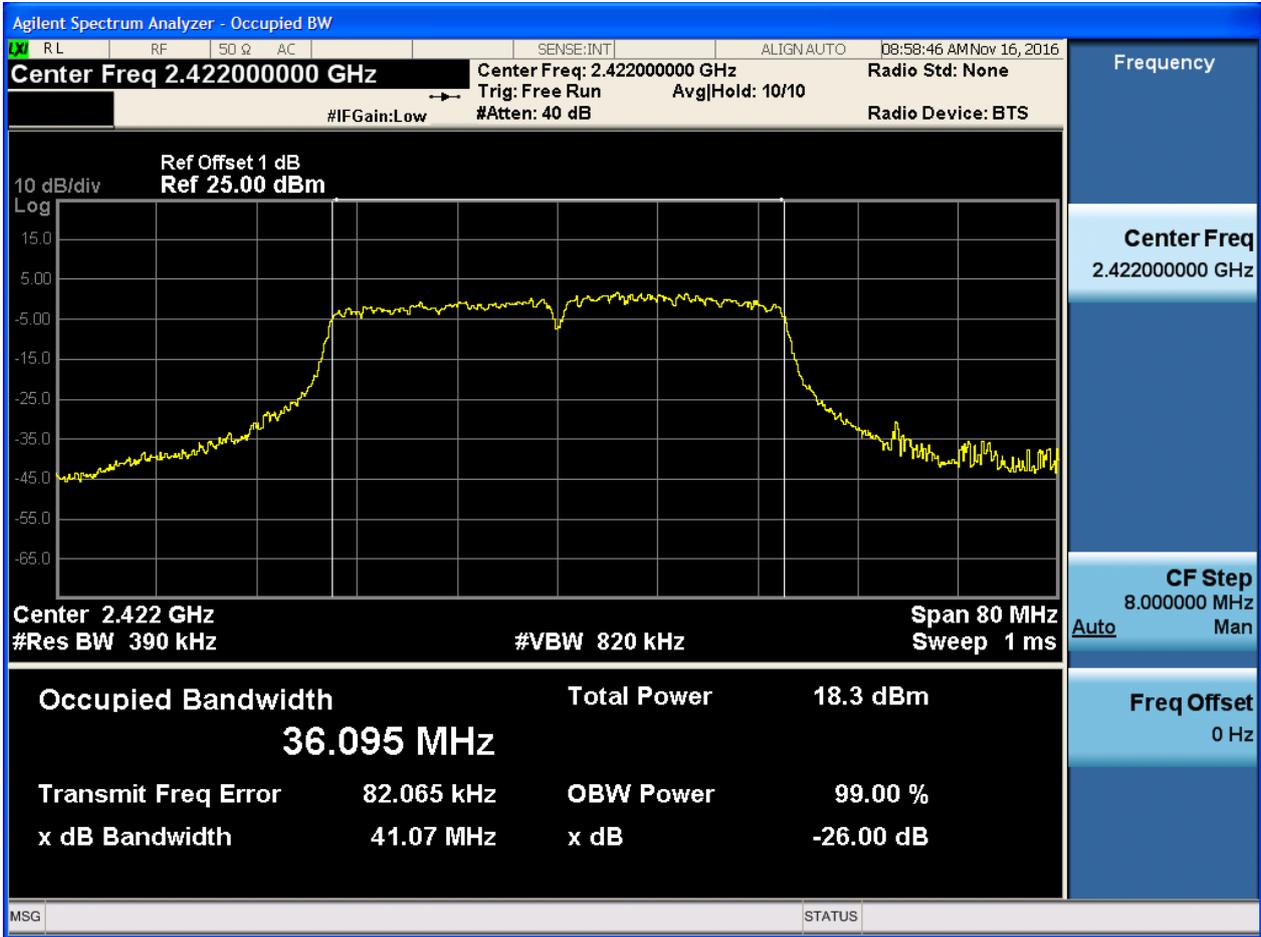


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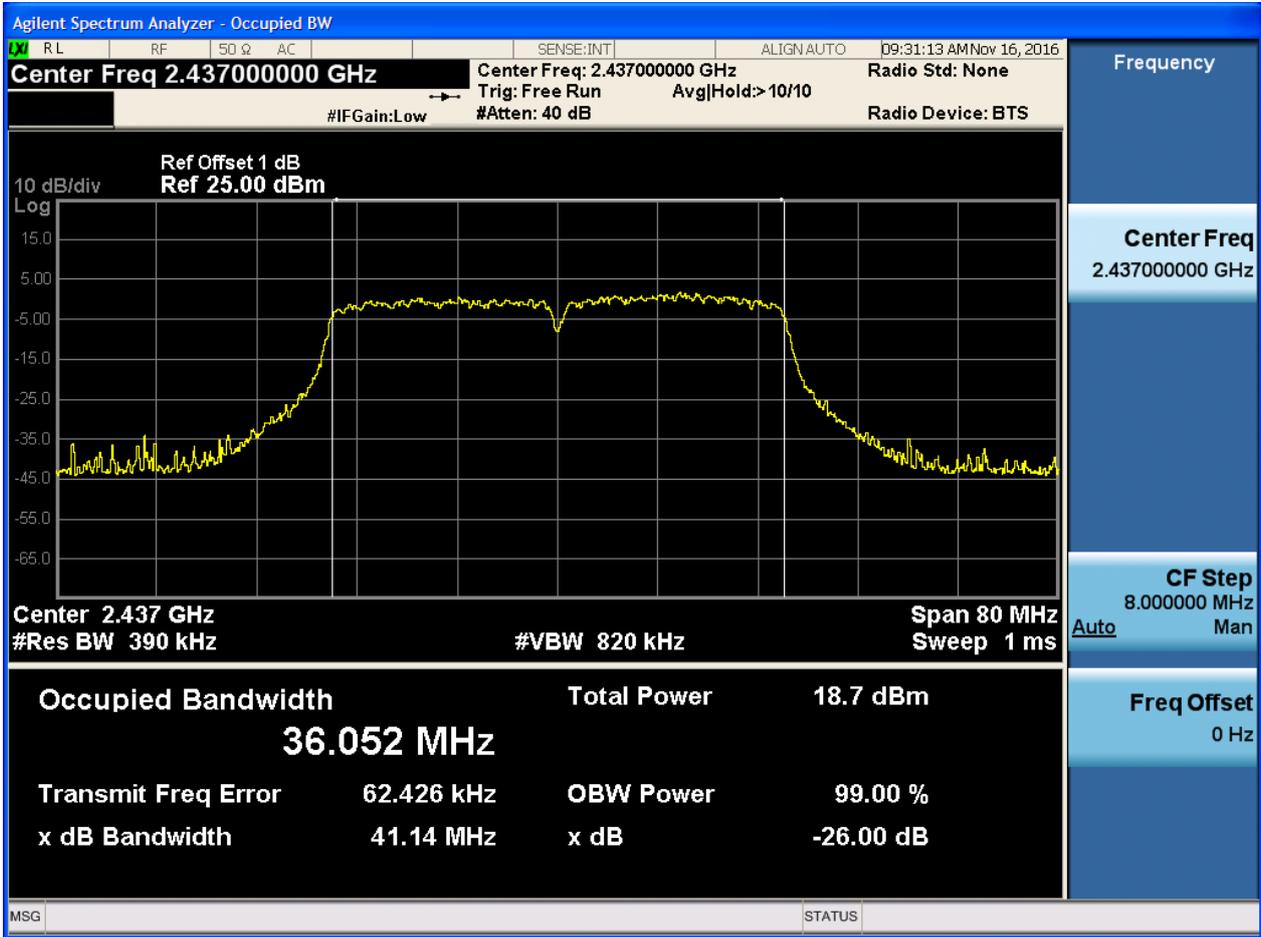


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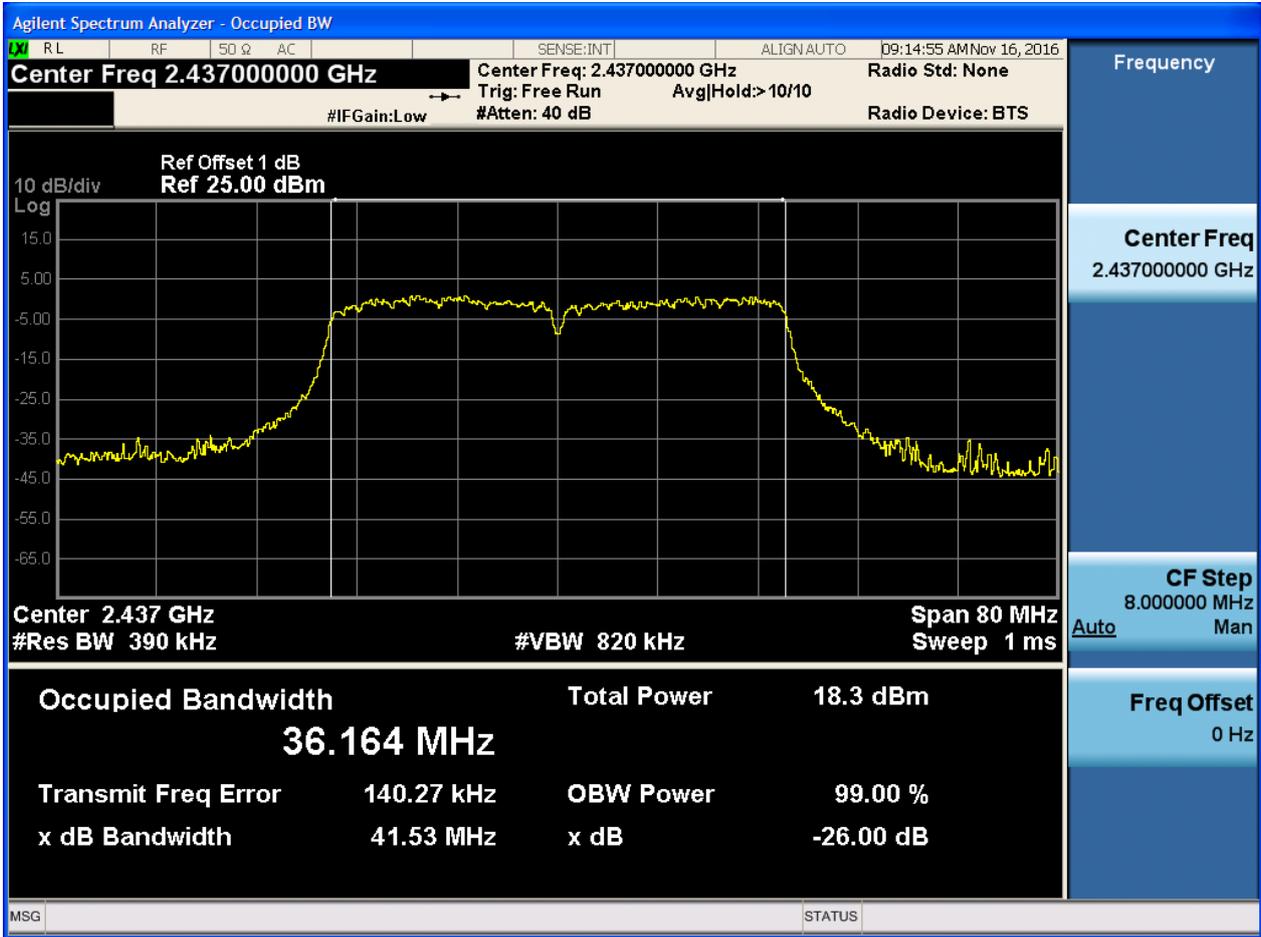


2.27 11N40_M@Ant 1



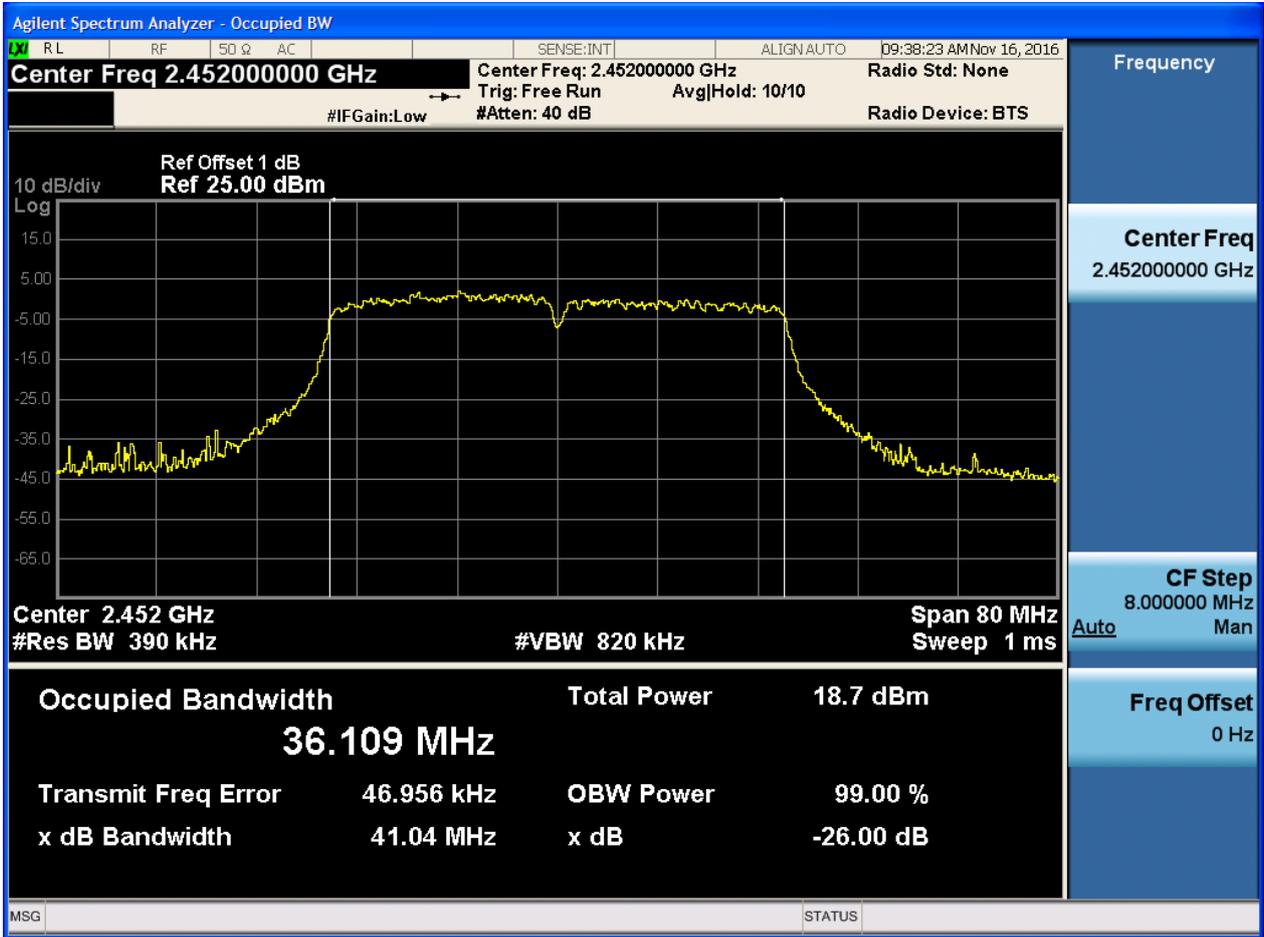


2.28 11N40_M@Ant 2



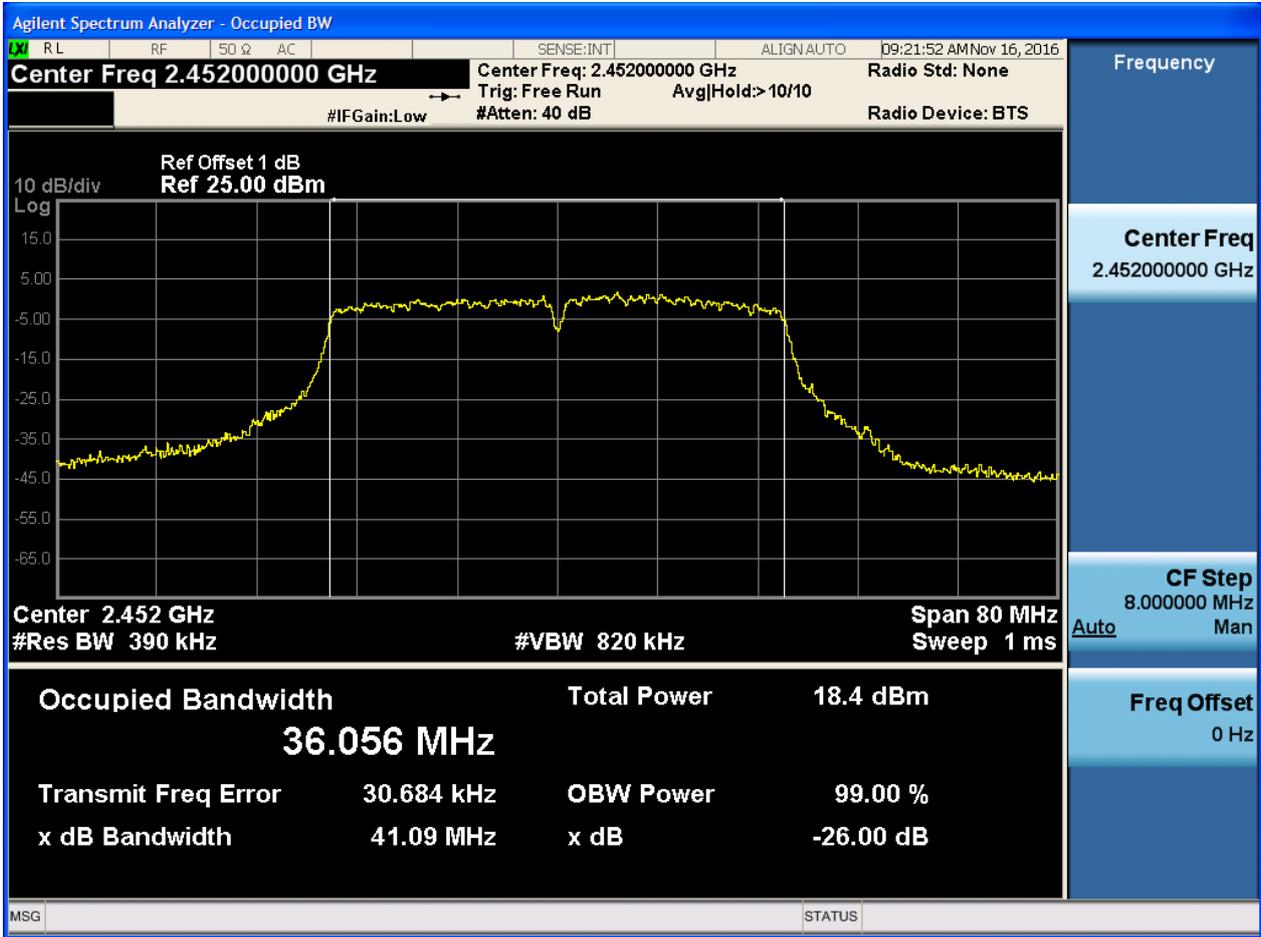


2.29 11N40_H@Ant 1



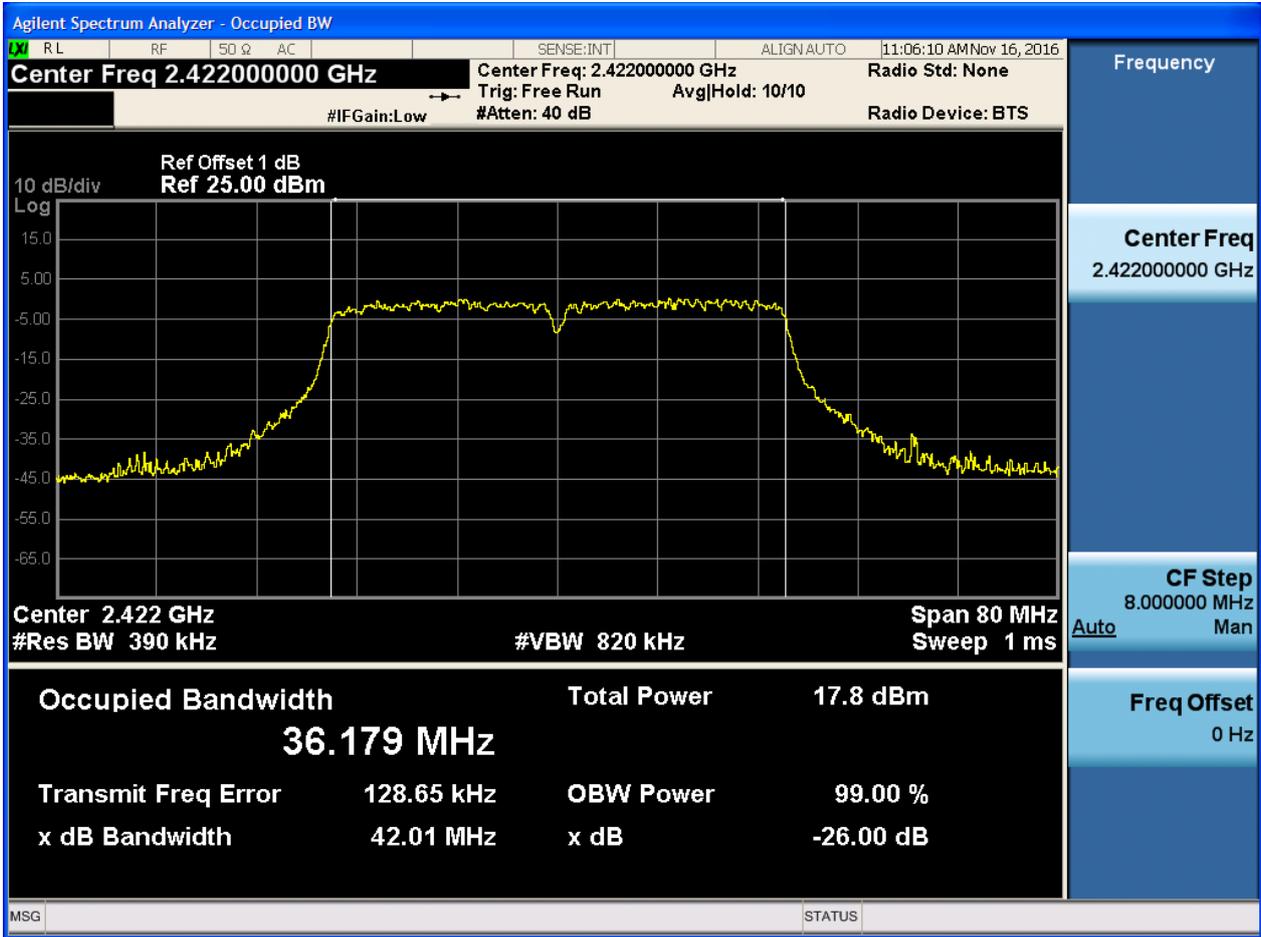


2.30 11N40_H@Ant 2



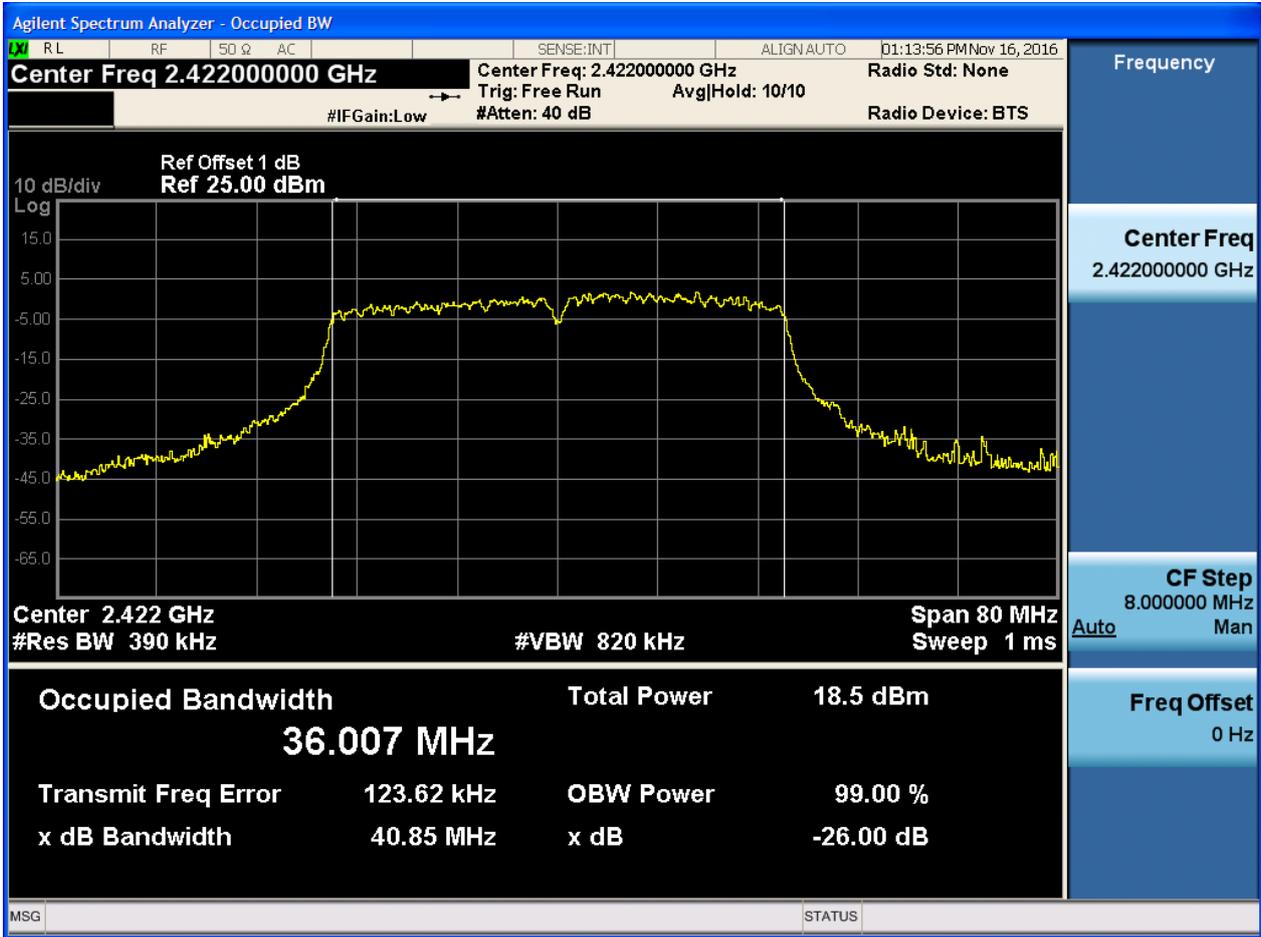


2.31 11N40m_L@Ant 1



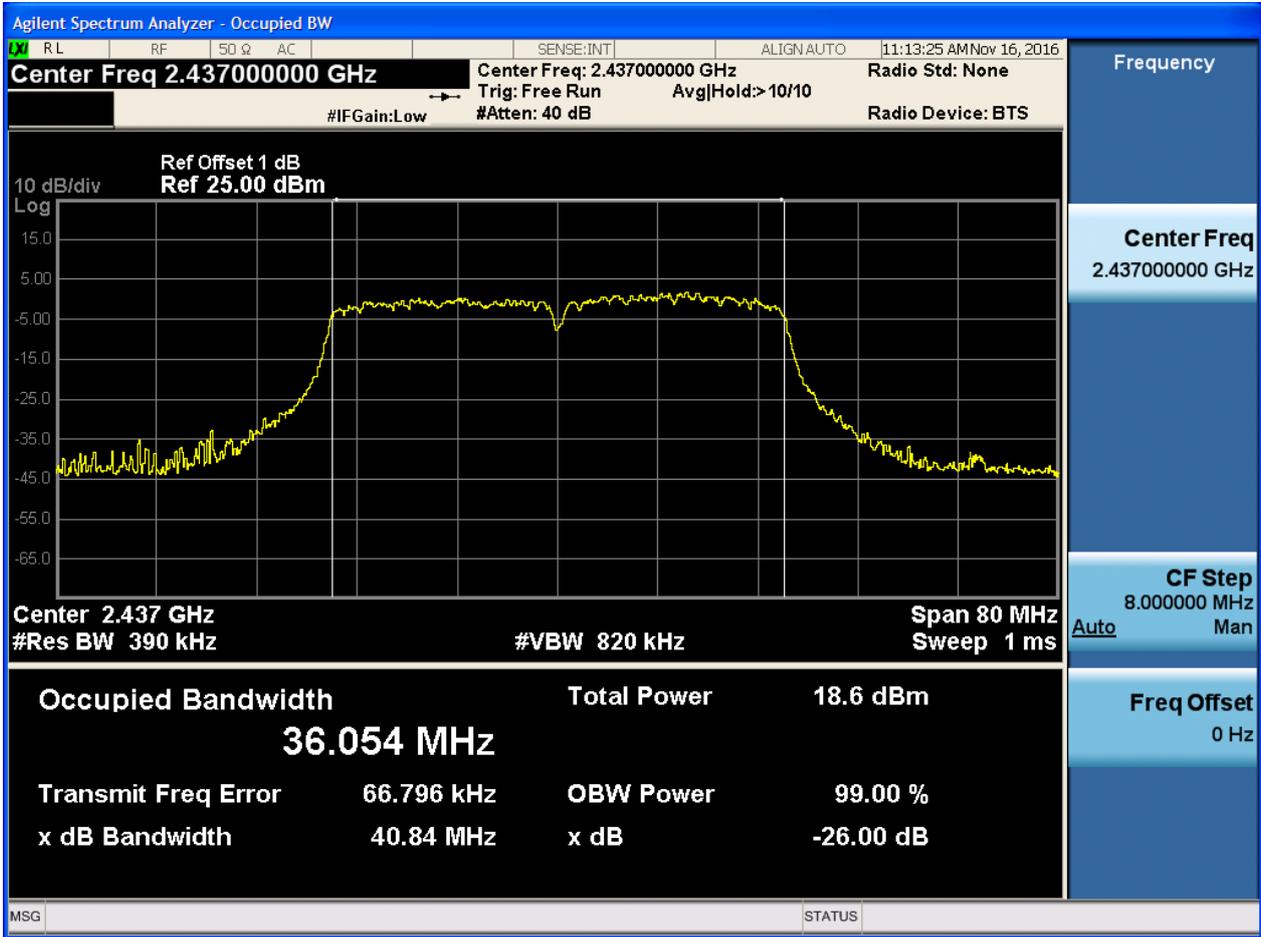


2.32 11N40m_L@Ant 2



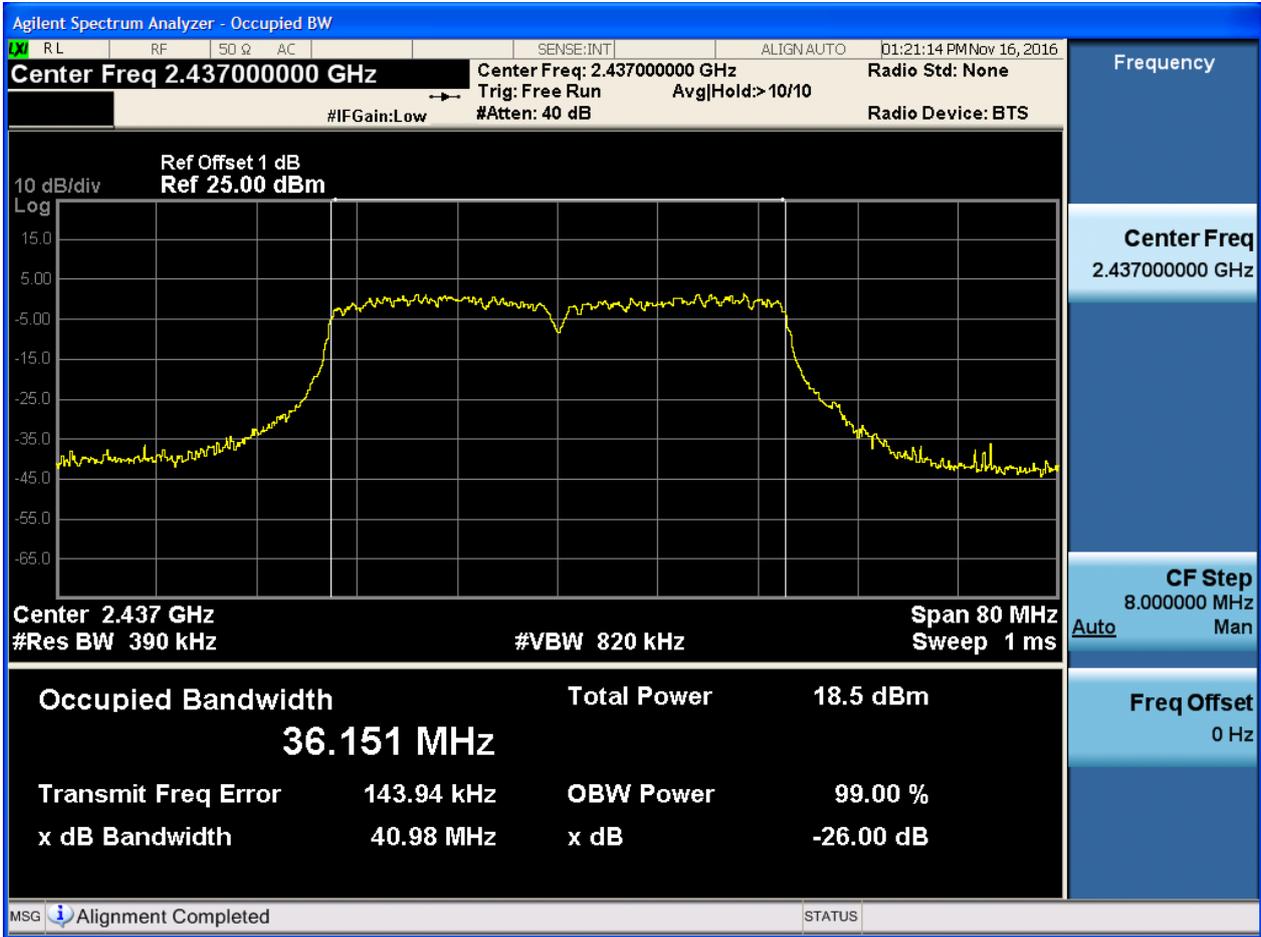


2.33 11N40m_M@Ant 1



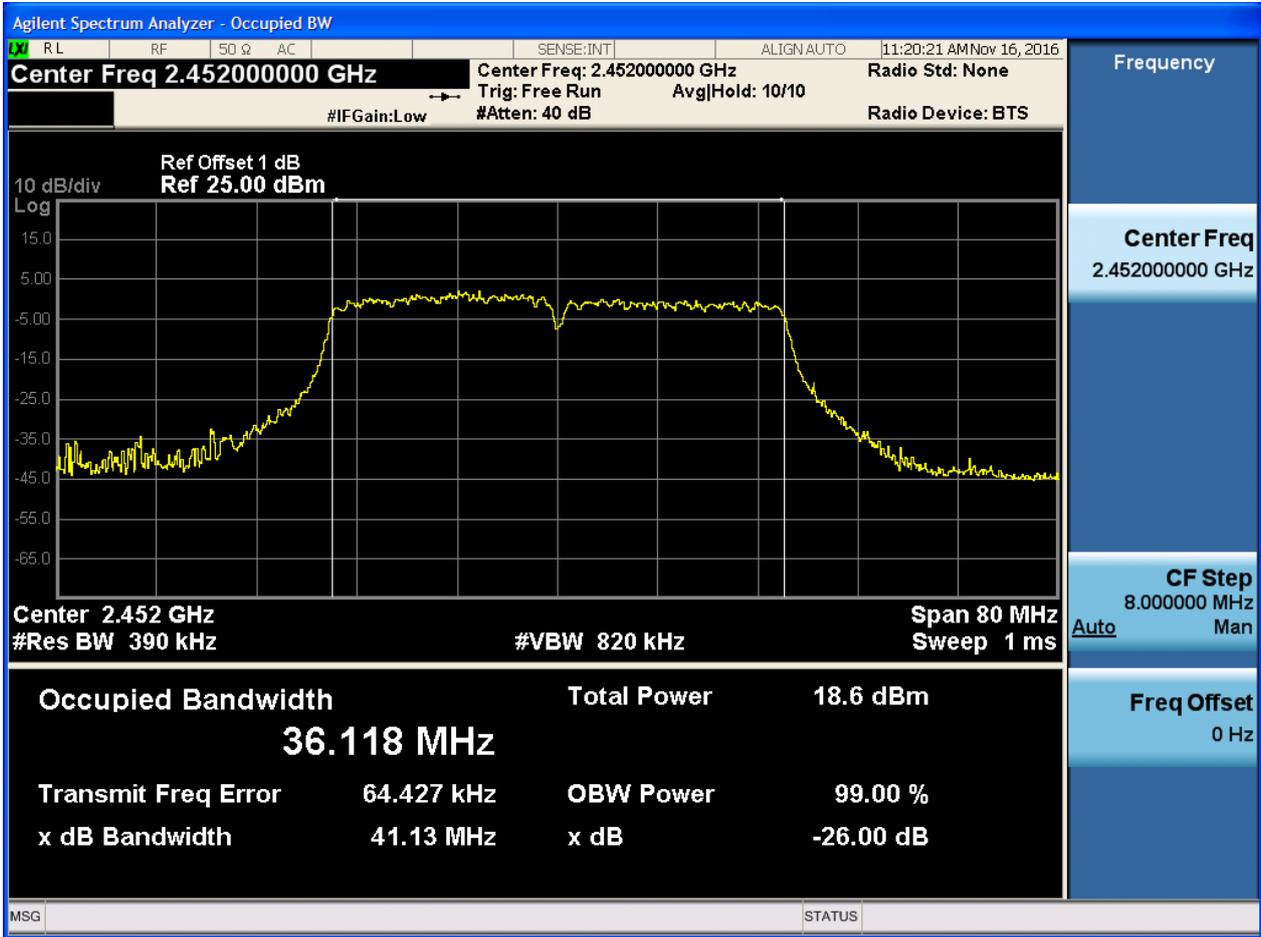


2.34 11N40m_M@Ant 2



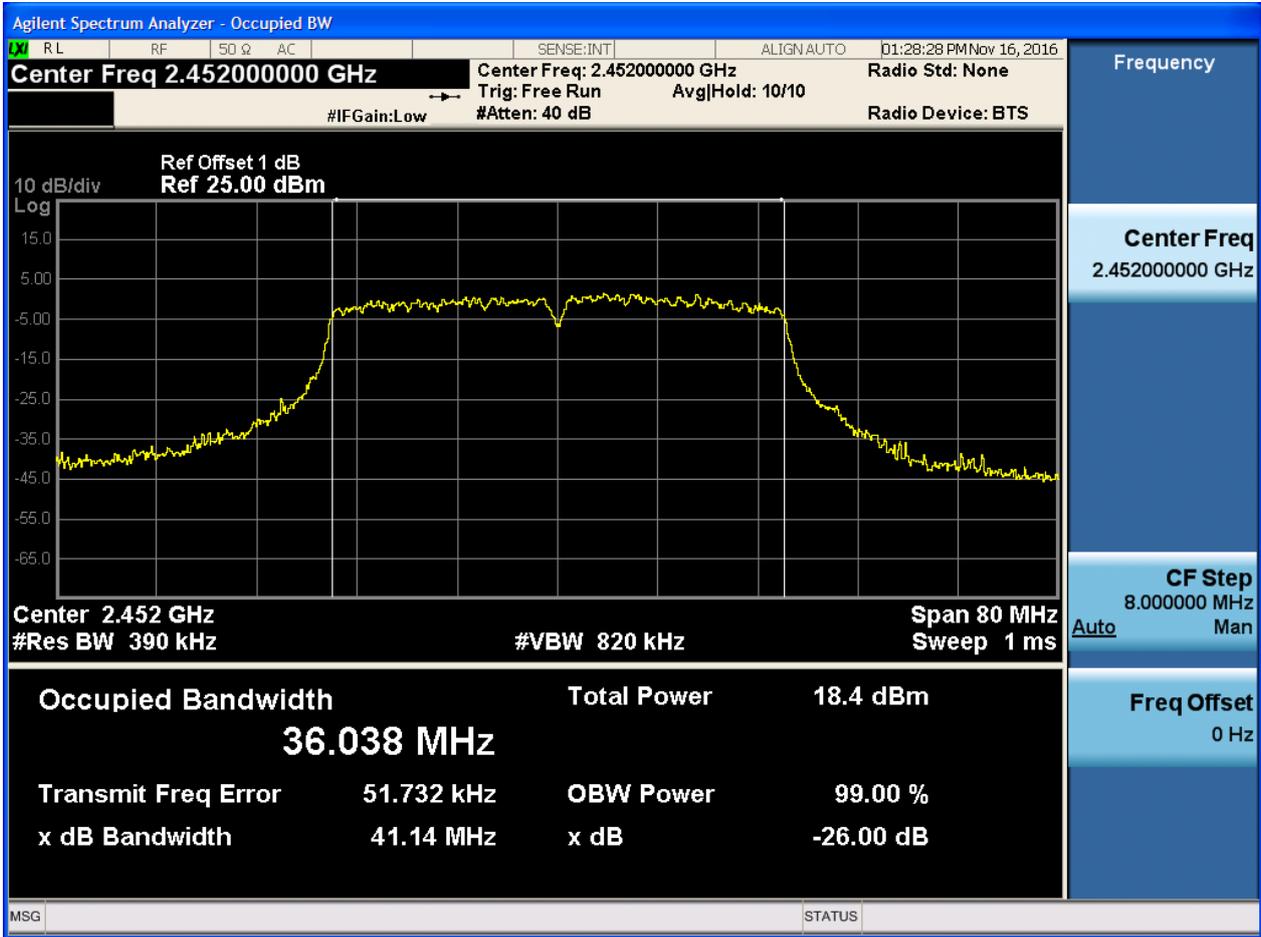


2.35 11N40m_H@Ant 1





2.36 11N40m_H@Ant 2





Appendix C: Duty Cycle

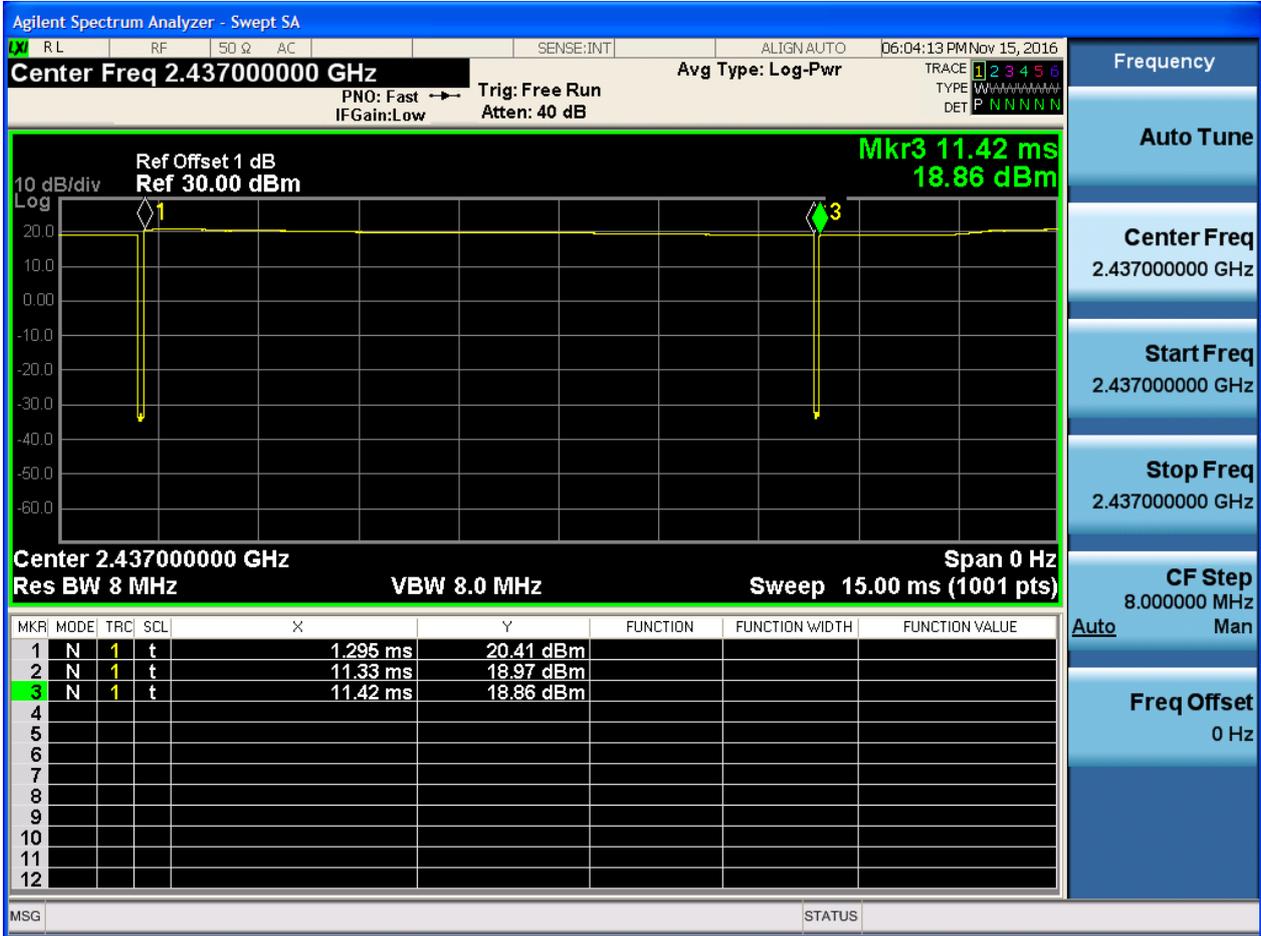
Part I - Test Results

Test Mode	TX Freq. [MHz]	Duty cycle [%]
11B	Ant 1: CH1,CH6,CH11	99
11B	Ant 2: CH1,CH6,CH11	99
11G	Ant 1: CH1,CH6,CH11	94
11G	Ant 2: CH1,CH6,CH11	94
11N_20	Ant 1: CH1,CH6,CH11	94
11N_20	Ant 2: CH1,CH6,CH11	94
11N_20m	Ant 1: CH1,CH6,CH11	94
11N_20m	Ant 2: CH1,CH6,CH11	93
11N_40	Ant 1: CH3,CH6,CH9	88
11N_40	Ant 2: CH3,CH6,CH9	88
11N_40m	Ant 1: CH3,CH6,CH9	88
11N_40m	Ant 2: CH3,CH6,CH9	87



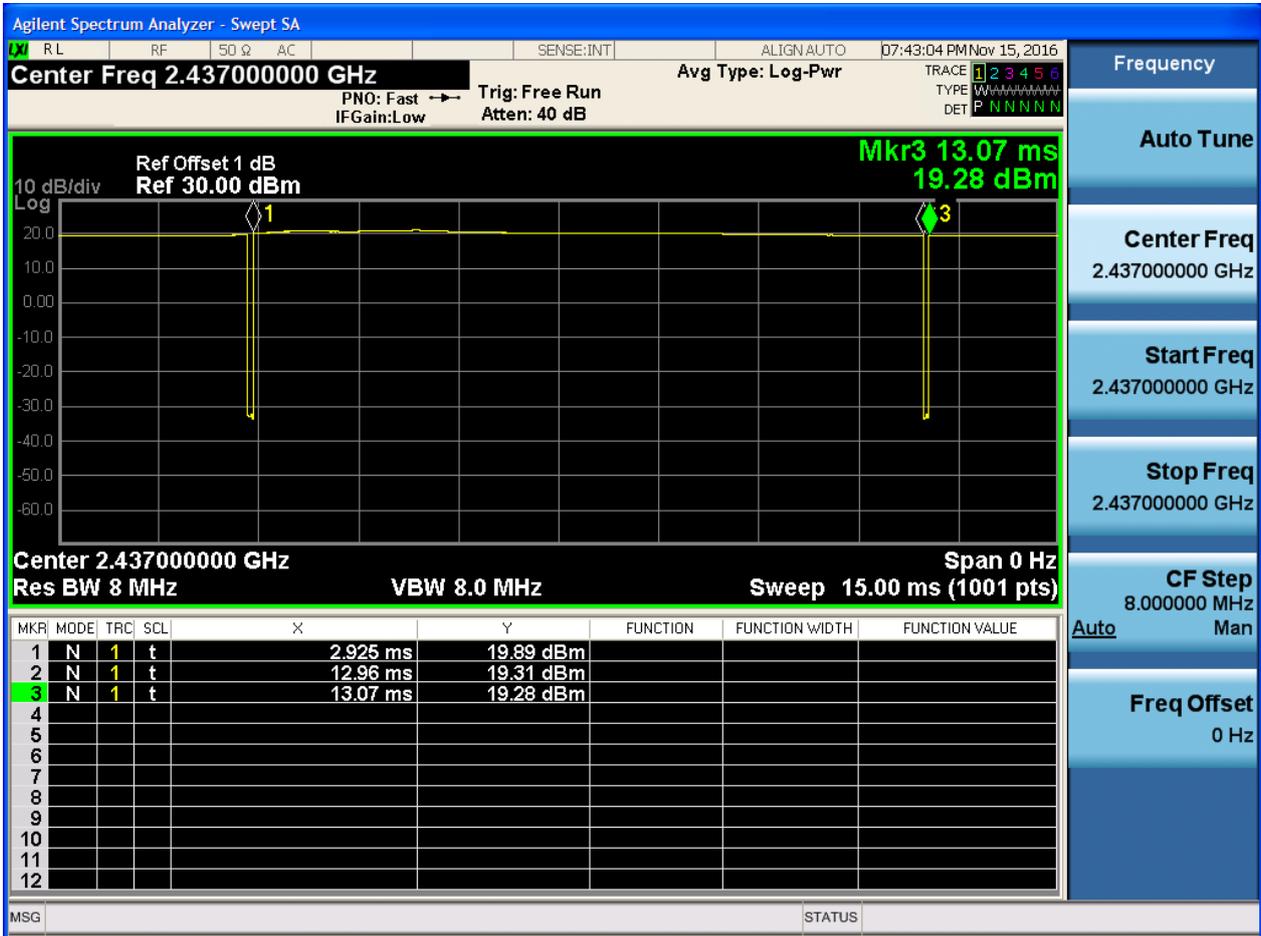
Part II - Test Plots

2.1 11B @Ant 1



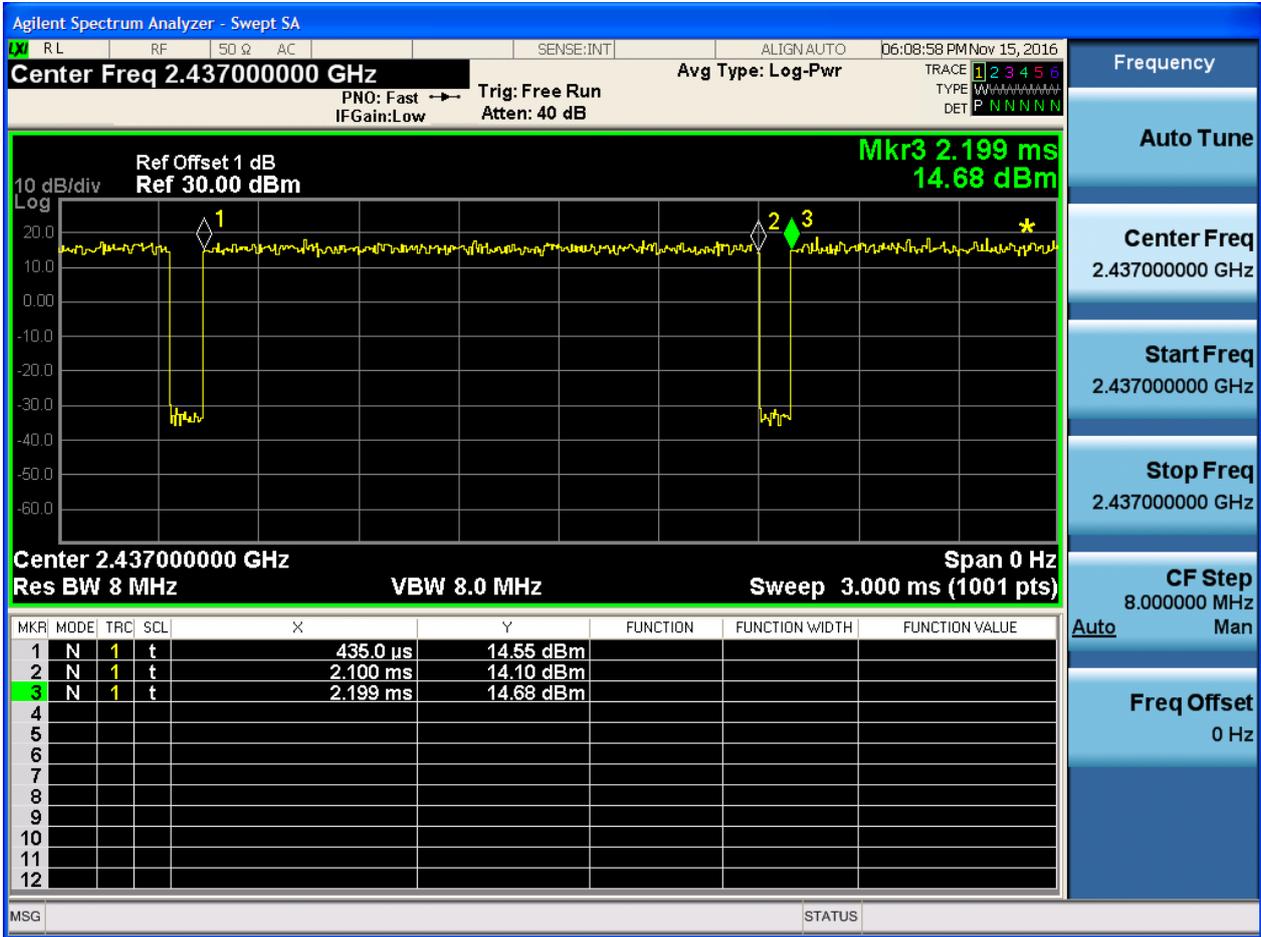


2.2 11B @Ant 2



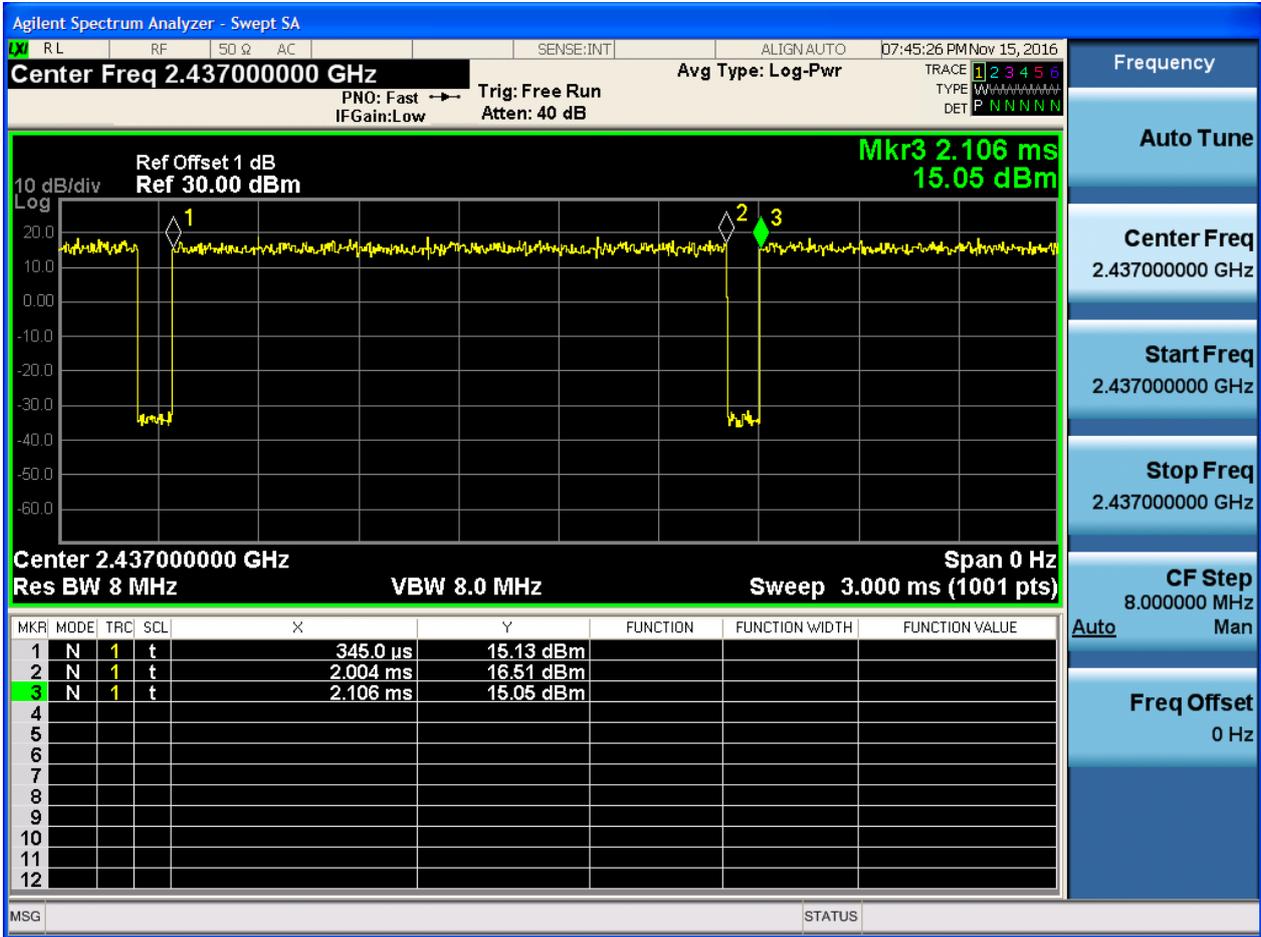


2.3 11G@Ant 1



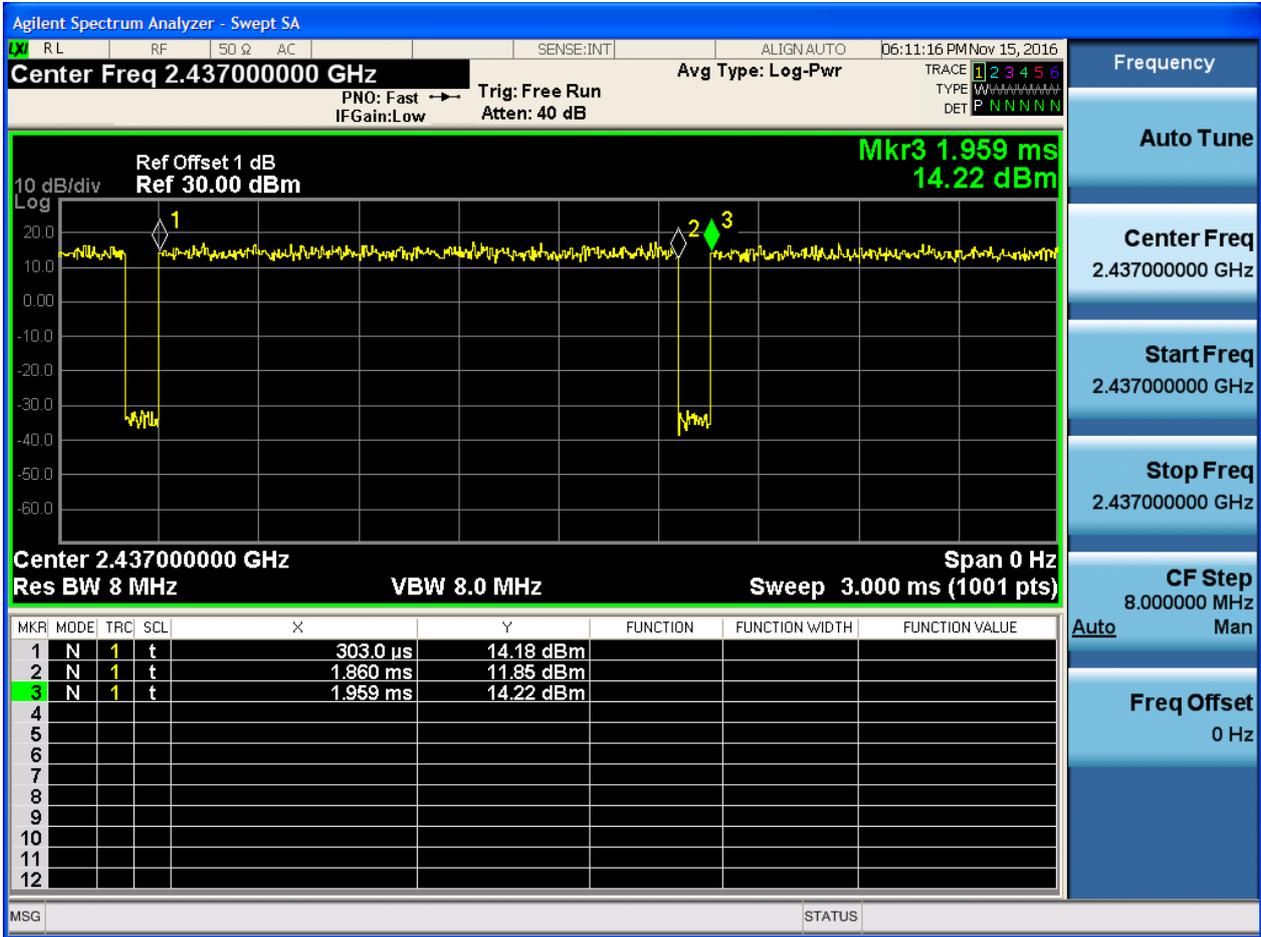


2.4 11G@Ant 2



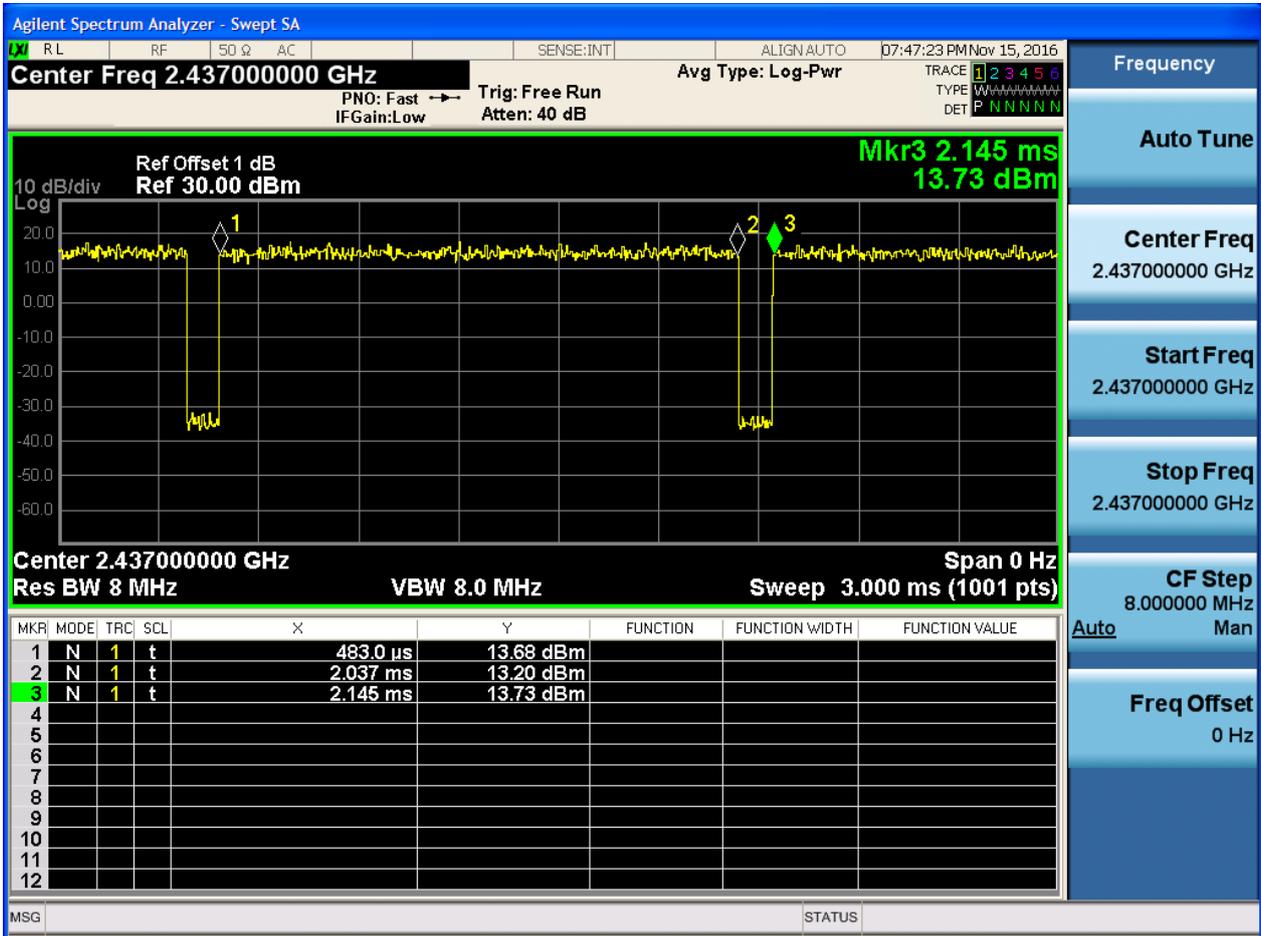


2.5 11N20@Ant 1



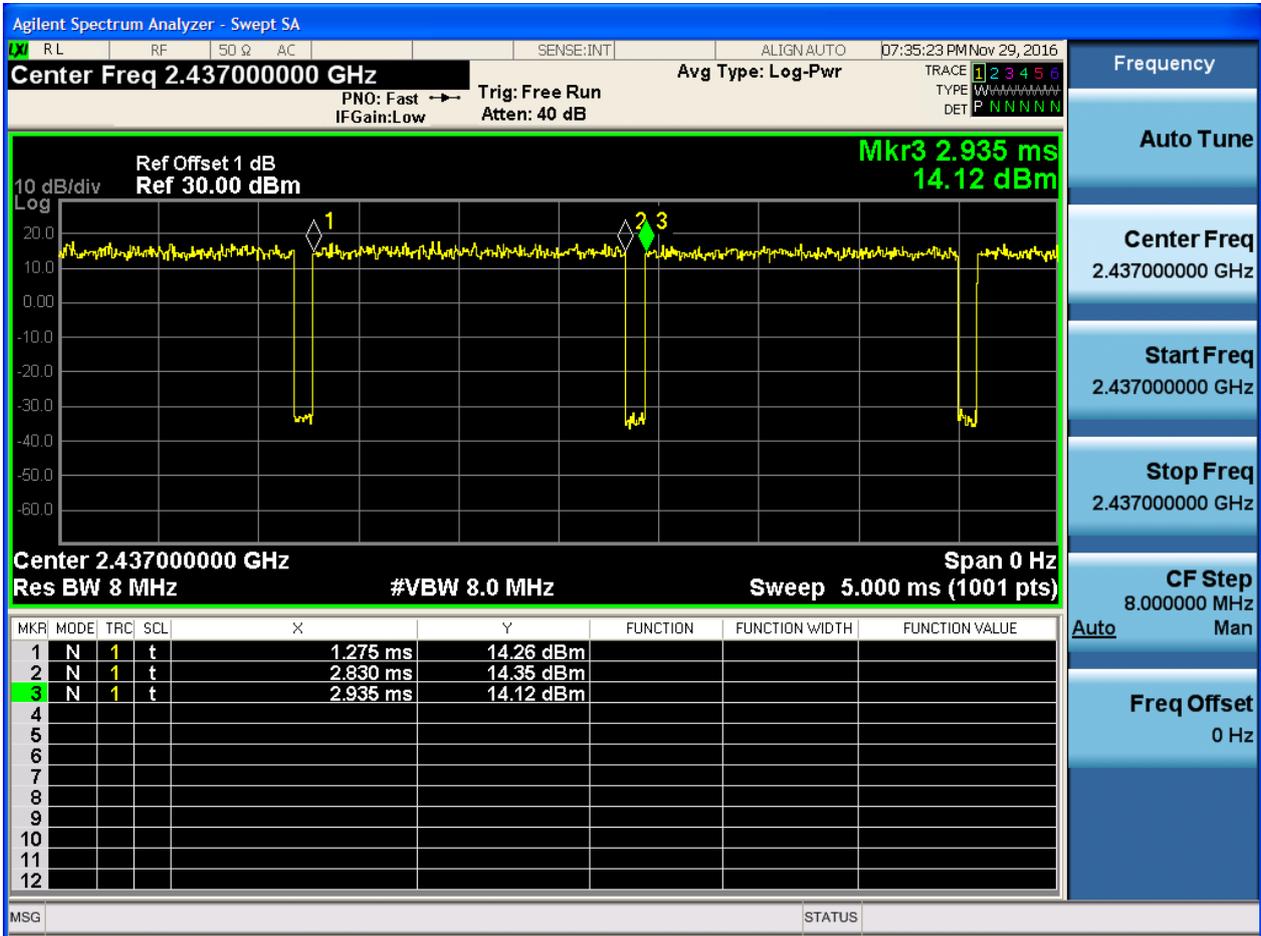


2.6 11N20@Ant 2



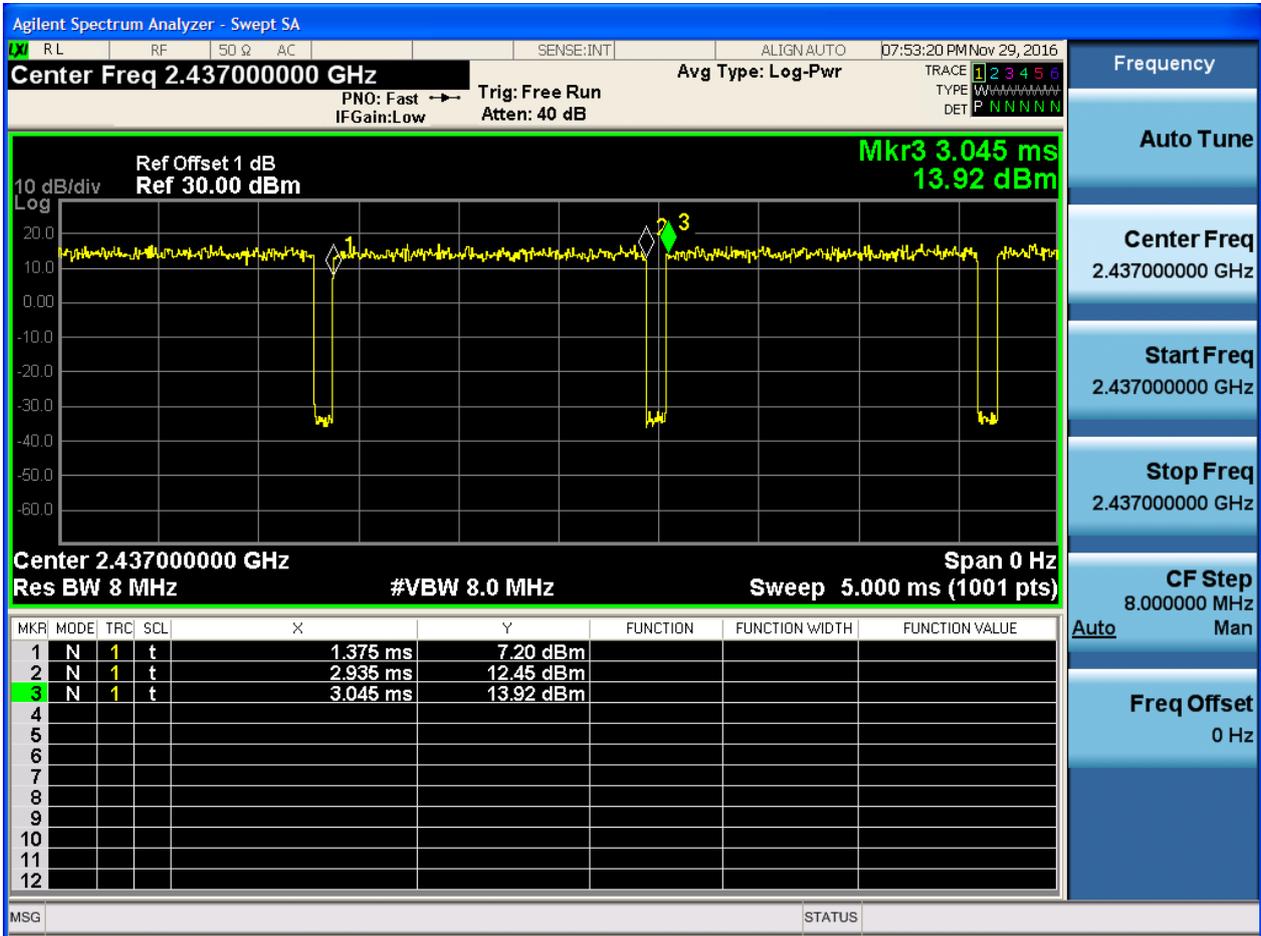


2.7 11N20m@Ant 1



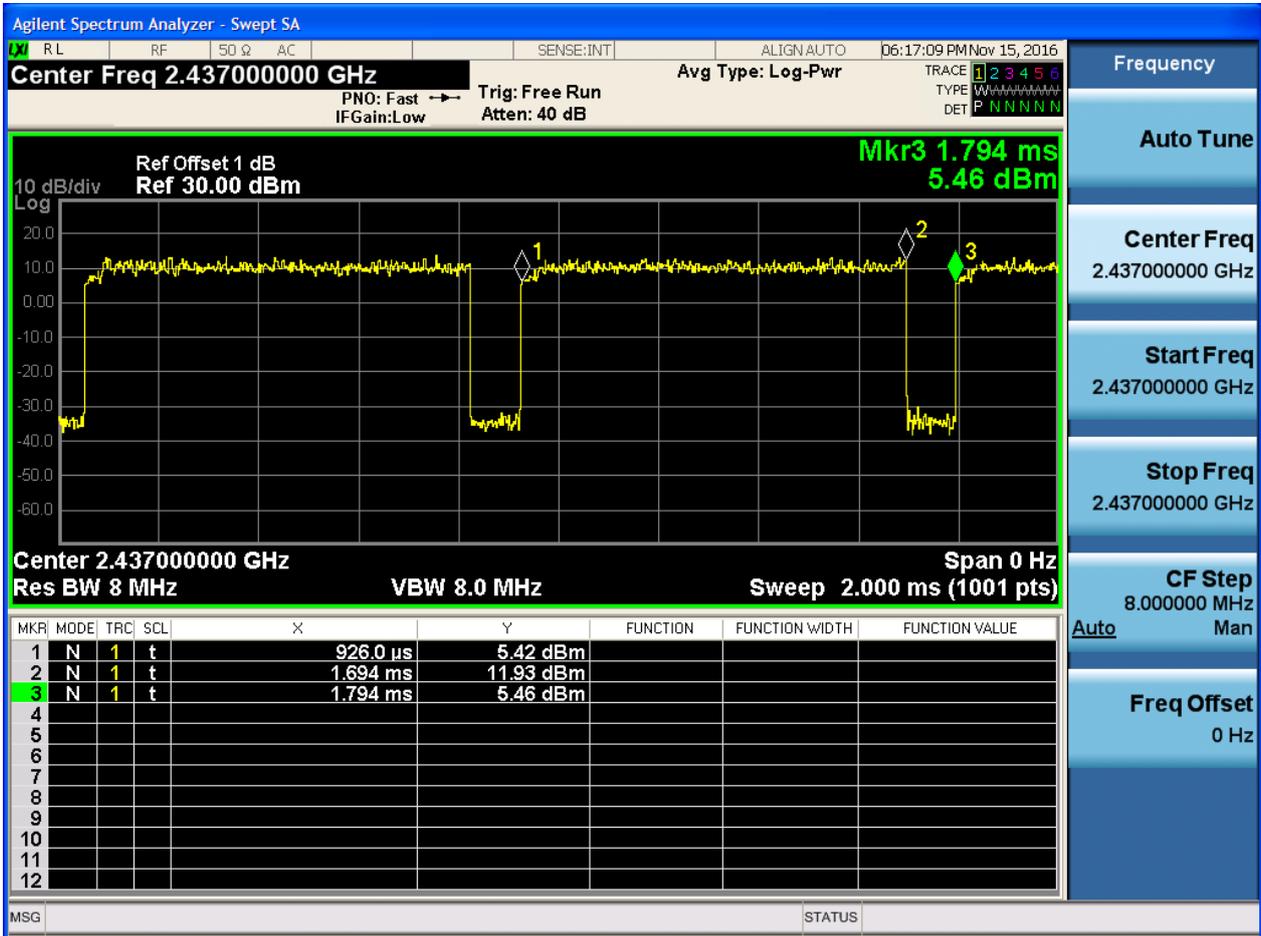


2.8 11N20m@Ant 2



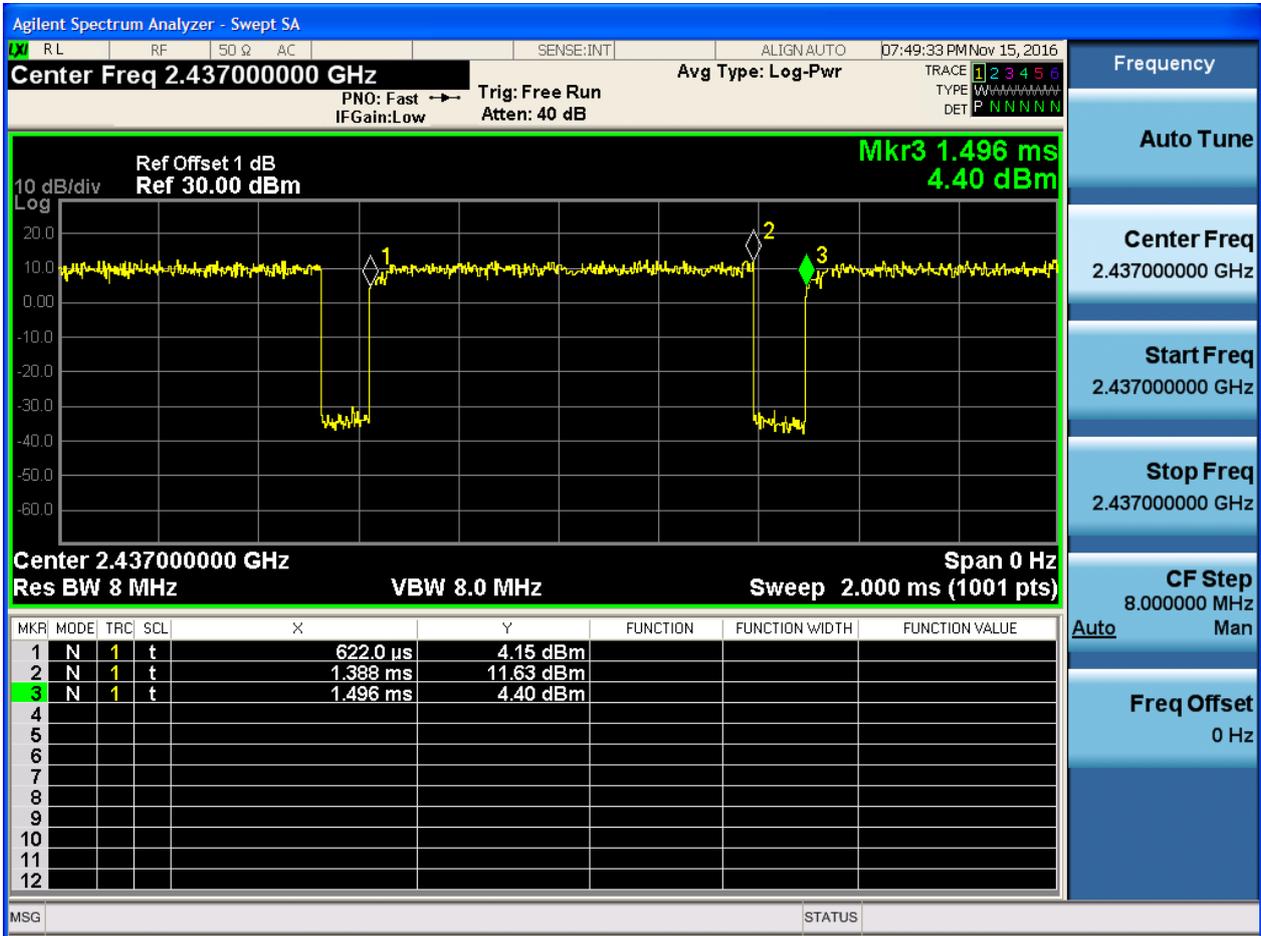


2.9 11N40@Ant 1



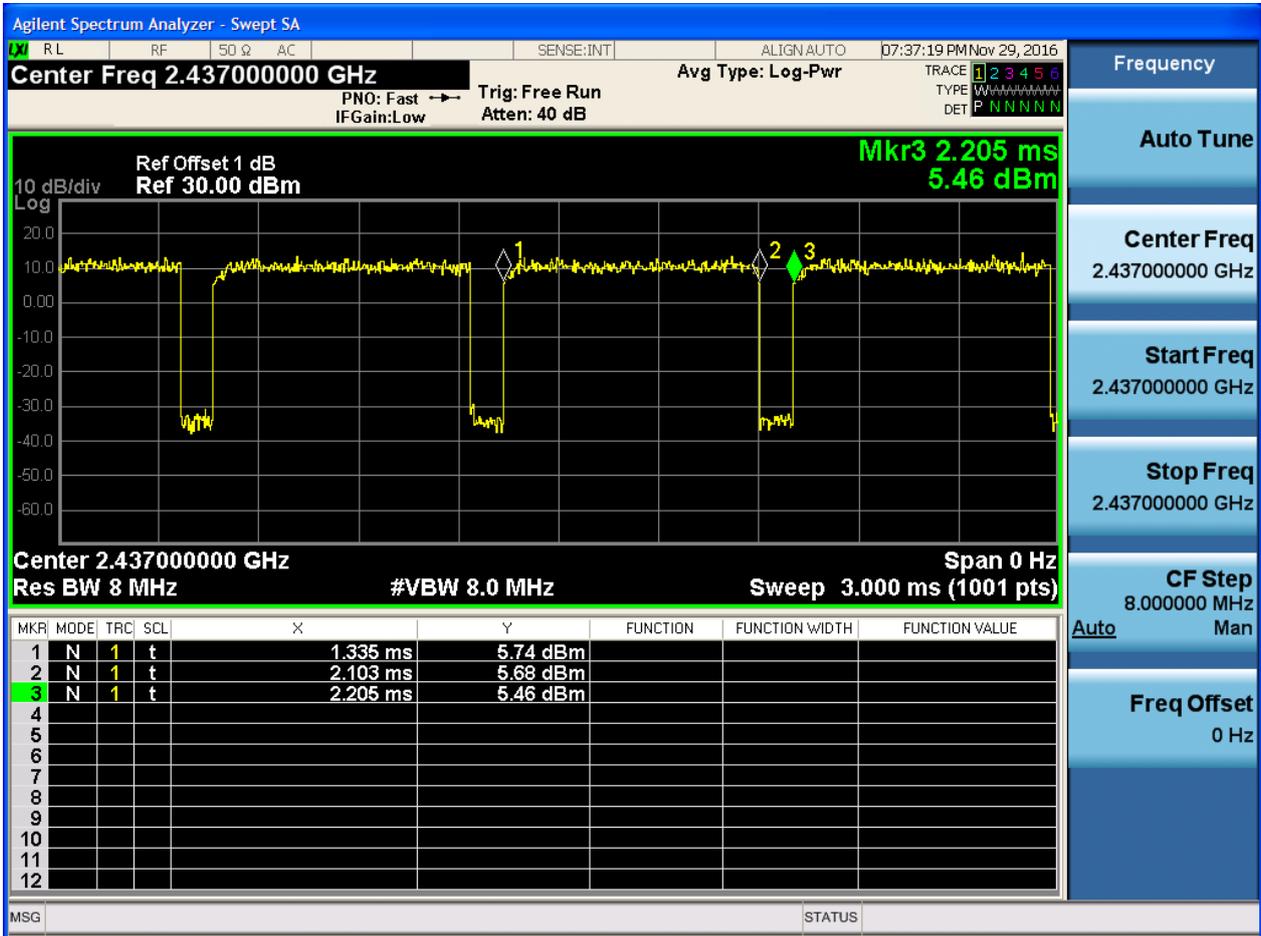


2.10 11N40@Ant 2



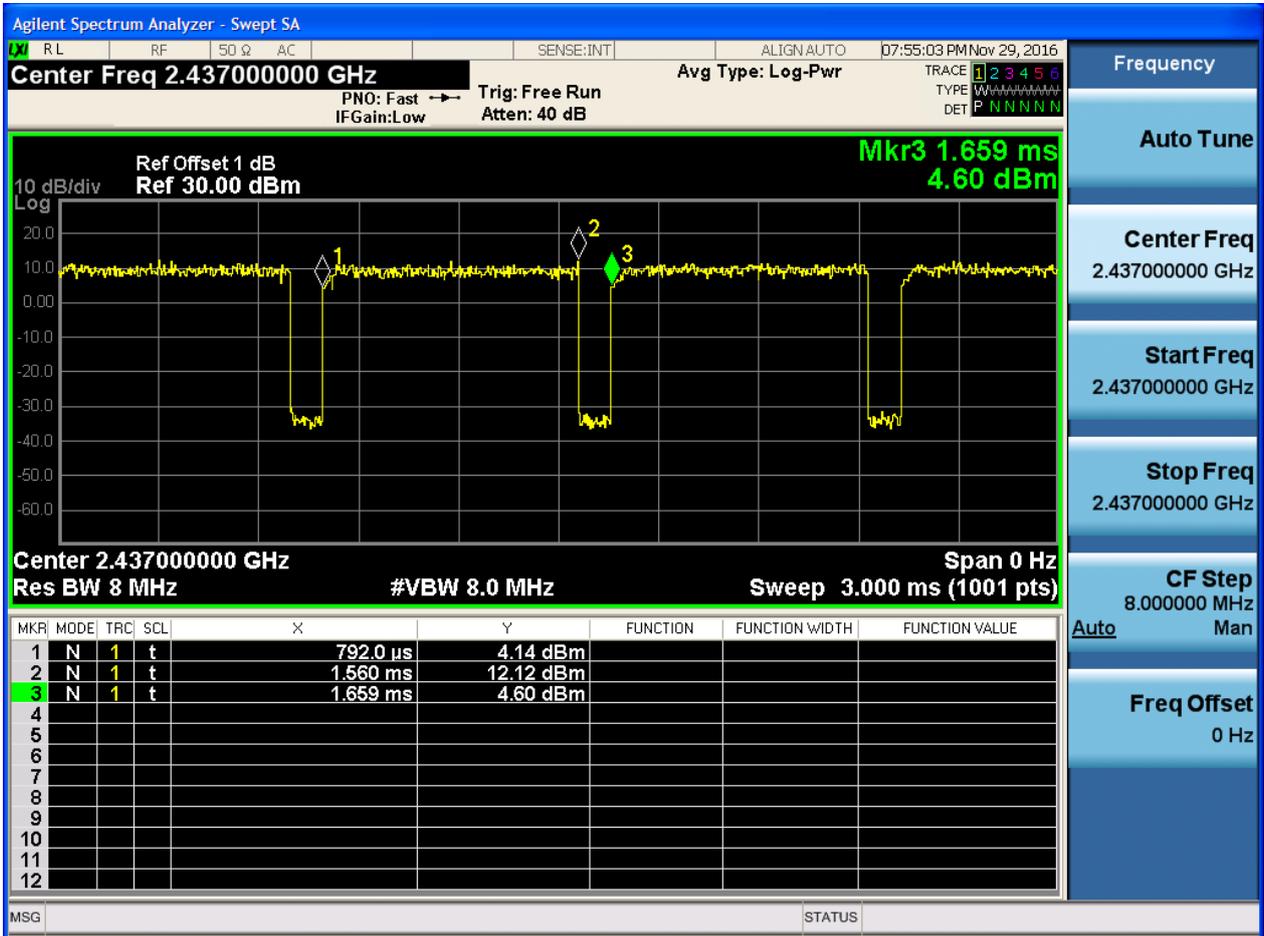


2.11 11N40m@Ant 1





2.12 11N40m@Ant 2





Appendix D: Maximum Conducted Average Output Power

Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	Power[dBm]	Verdict
11B	L	2412	Ant 1	15.88	pass
11B	L	2412	Ant 2	16.07	pass
11B	M	2437	Ant 1	15.61	pass
11B	M	2437	Ant 2	16.07	pass
11B	H	2462	Ant 1	15.87	pass
11B	H	2462	Ant 2	16.07	pass
11G	L	2412	Ant 1	12.31	pass
11G	L	2412	Ant 2	12.23	pass
11G	M	2437	Ant 1	12.53	pass
11G	M	2437	Ant 2	12.70	pass
11G	H	2462	Ant 1	12.57	pass
11G	H	2462	Ant 2	12.44	pass
11N20	L	2412	Ant 1	11.24	pass
11N20	L	2412	Ant 2	11.67	pass
11N20	M	2437	Ant 1	11.39	pass
11N20	M	2437	Ant 2	11.72	pass
11N20	H	2462	Ant 1	11.55	pass
11N20	H	2462	Ant 2	11.45	pass
11N20m	L	2412	Ant 1	11.3	pass
11N20m	L	2412	Ant 2	11.41	pass
11N20m	L	2412	Ant sum	14.37	pass
11N20m	M	2437	Ant 1	11.48	pass
11N20m	M	2437	Ant 2	11.73	pass
11N20m	M	2437	Ant sum	14.62	pass
11N20m	H	2462	Ant 1	11.78	pass
11N20m	H	2462	Ant 2	11.52	pass
11N20m	H	2462	Ant sum	14.66	pass
11N40	L	2422	Ant 1	10.82	pass
11N40	L	2422	Ant 2	11.26	pass
11N40	M	2437	Ant 1	11.73	pass
11N40	M	2437	Ant 2	11.28	pass
11N40	H	2452	Ant 1	11.77	pass
11N40	H	2452	Ant 2	11.45	pass

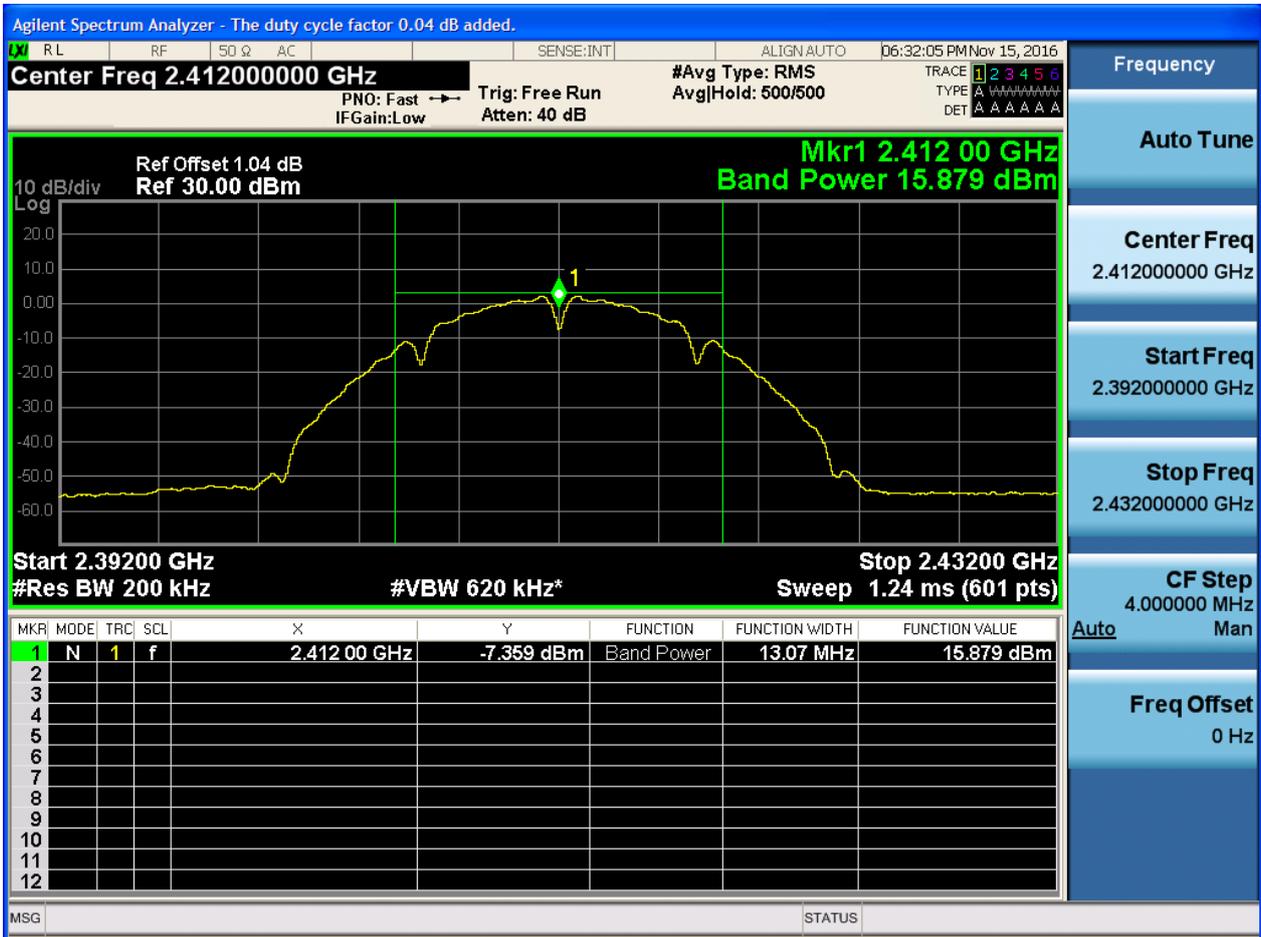


Test Mode	Test Channel	Frequency[MHz]	Ant	Power[dBm]	Verdict
11N40m	L	2422	Ant 1	10.91	pass
11N40m	L	2422	Ant 2	11.41	pass
11N40m	L	2422	Ant sum	14.18	pass
11N40m	M	2437	Ant 1	11.72	pass
11N40m	M	2437	Ant 2	11.43	pass
11N40m	M	2437	Ant sum	14.59	pass
11N40m	H	2452	Ant 1	11.5	pass
11N40m	H	2452	Ant 2	11.44	pass
11N40m	H	2452	Ant sum	14.48	pass



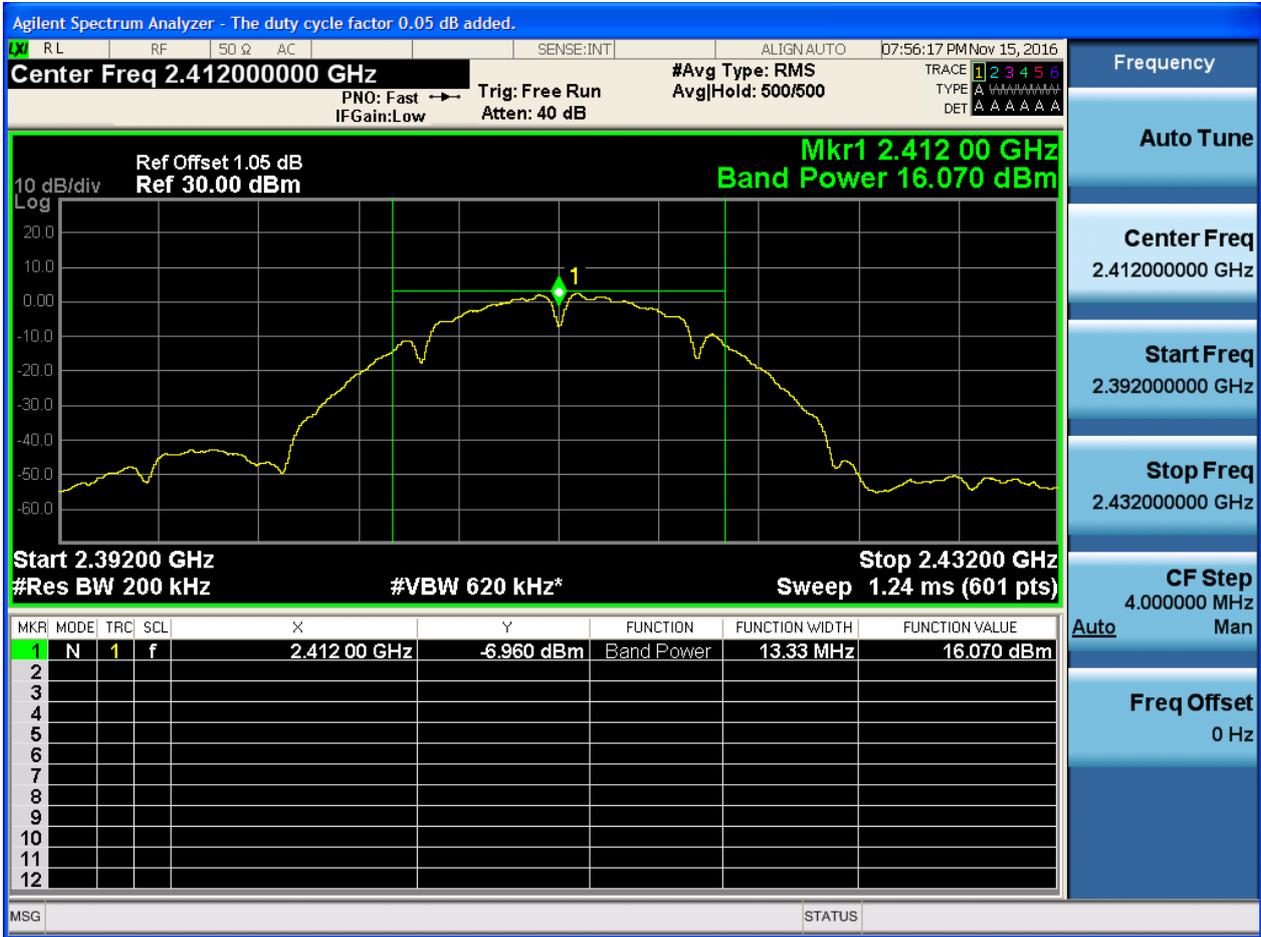
Part II - Test Plots

2.1 11B_L@Ant 1





2.2 11B_L@Ant 2



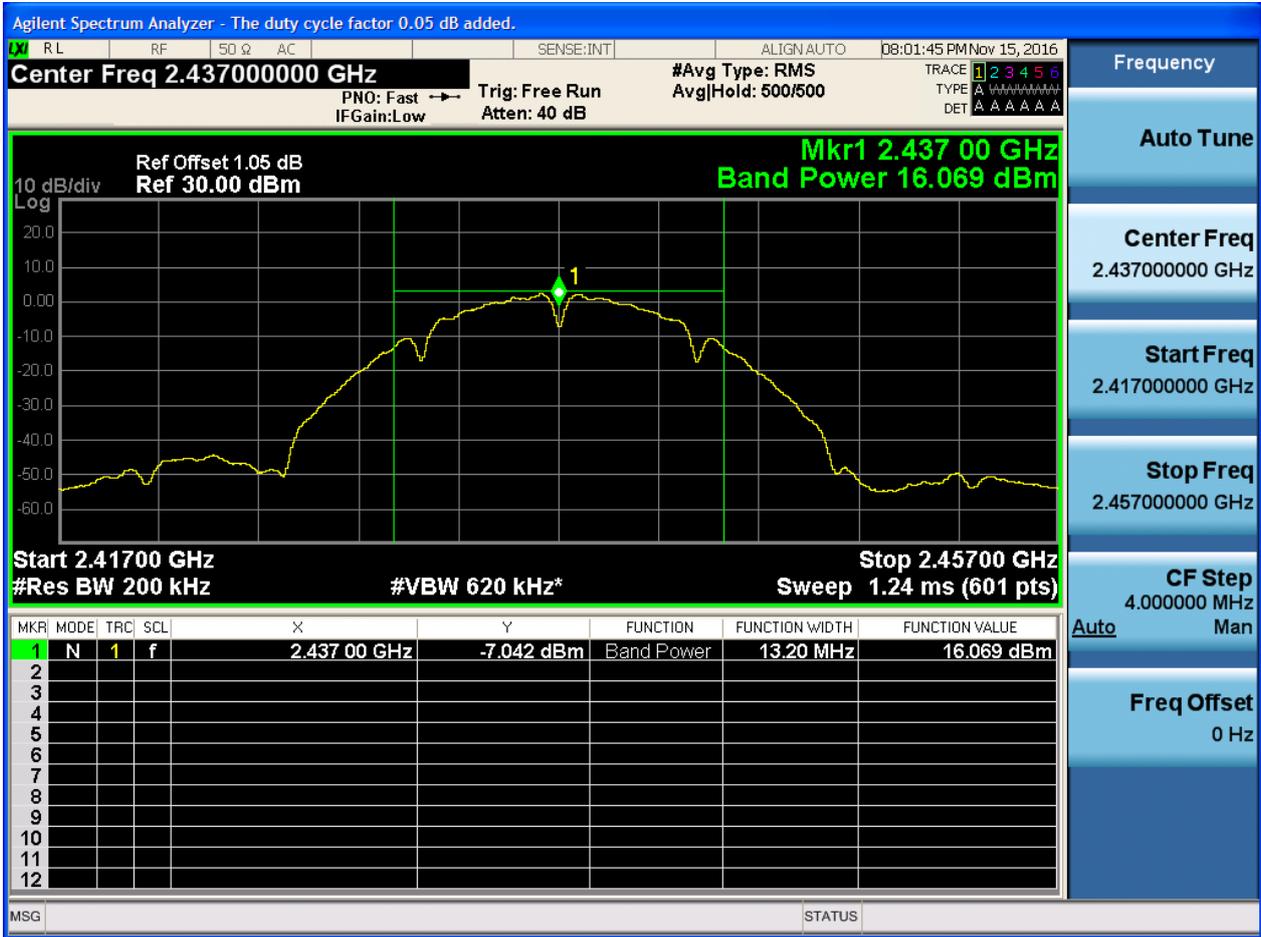


2.3 11B_M@Ant 1



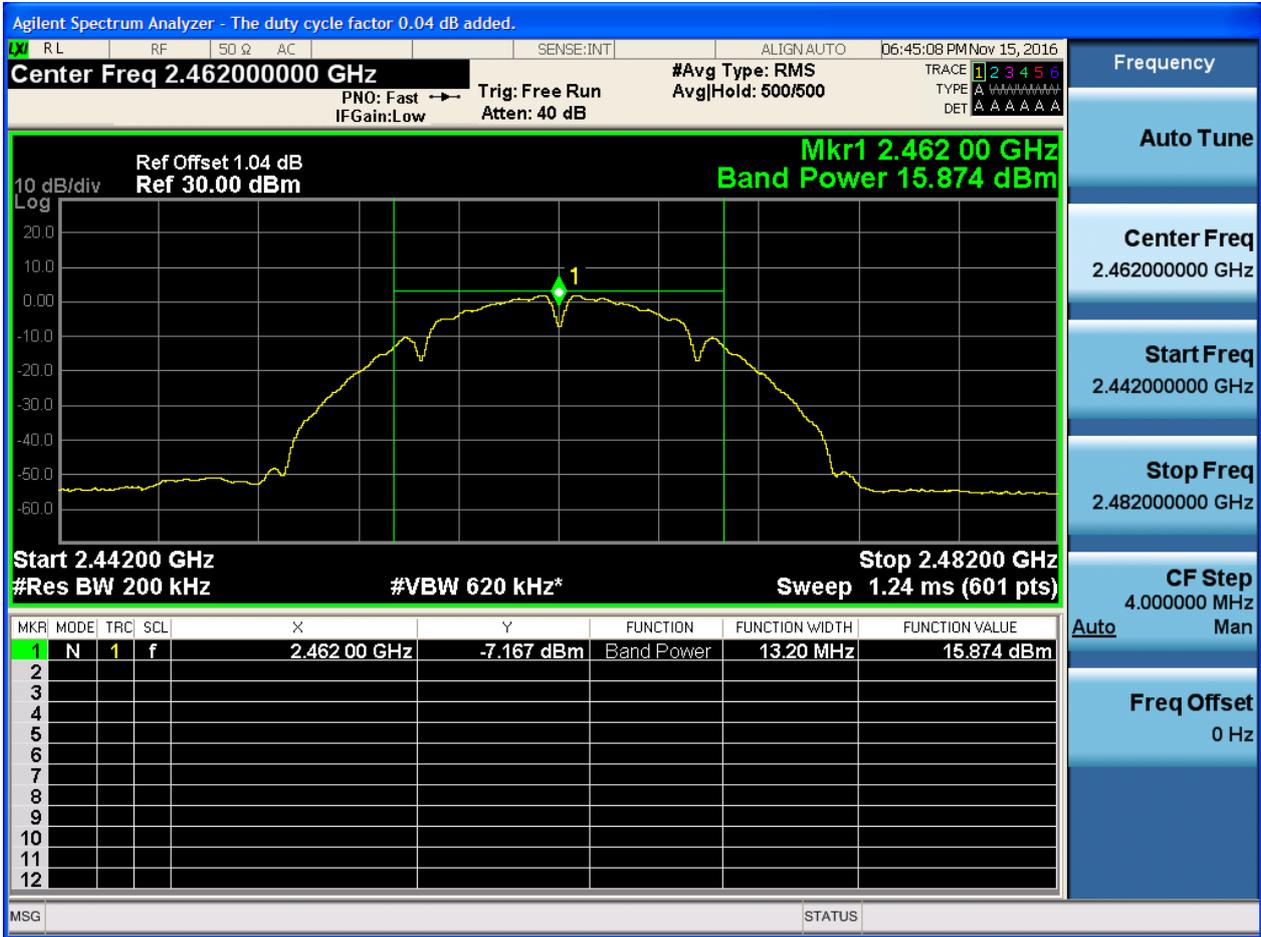


2.4 11B_M@Ant 2



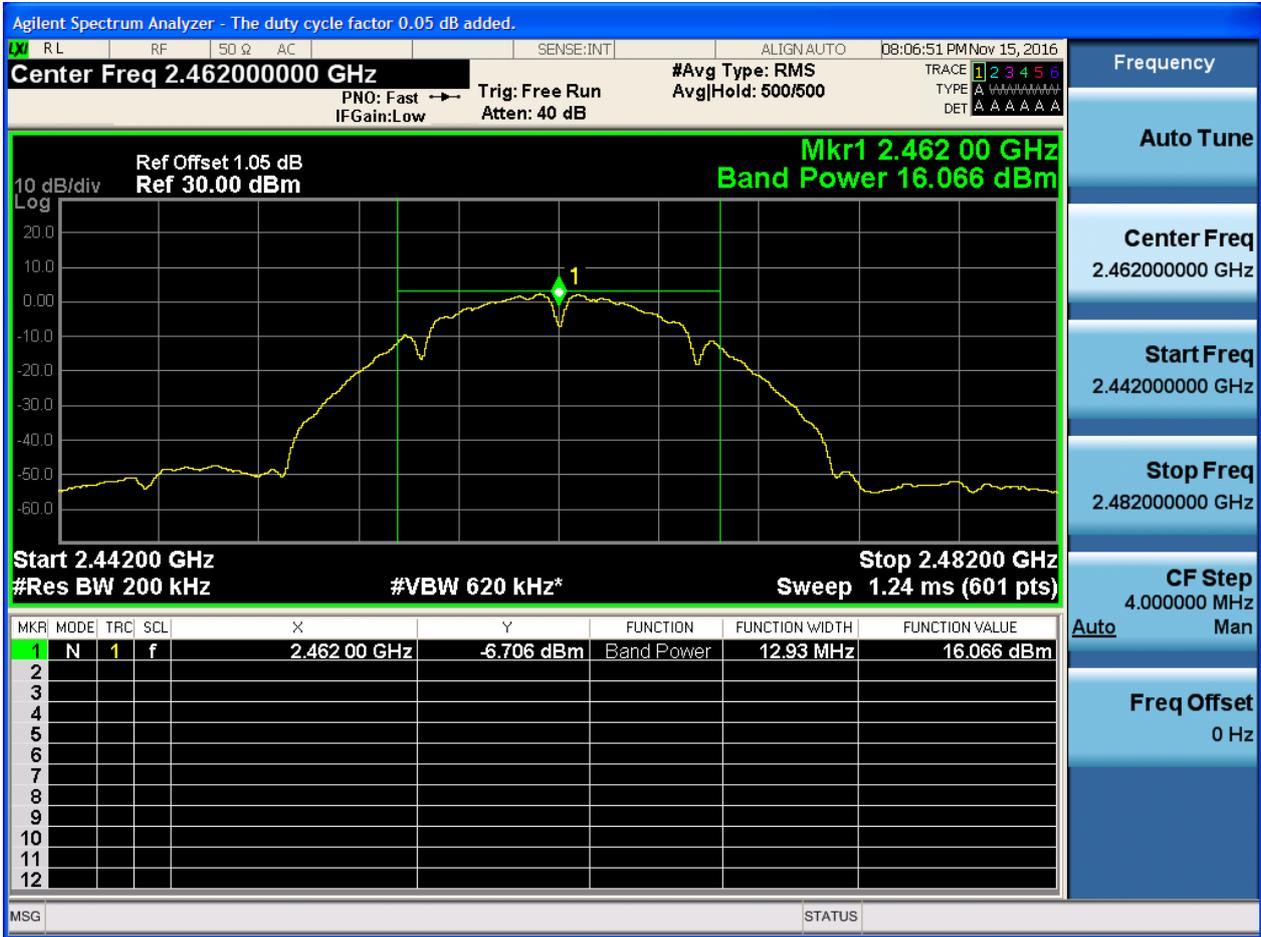


2.5 11B_H@Ant 1



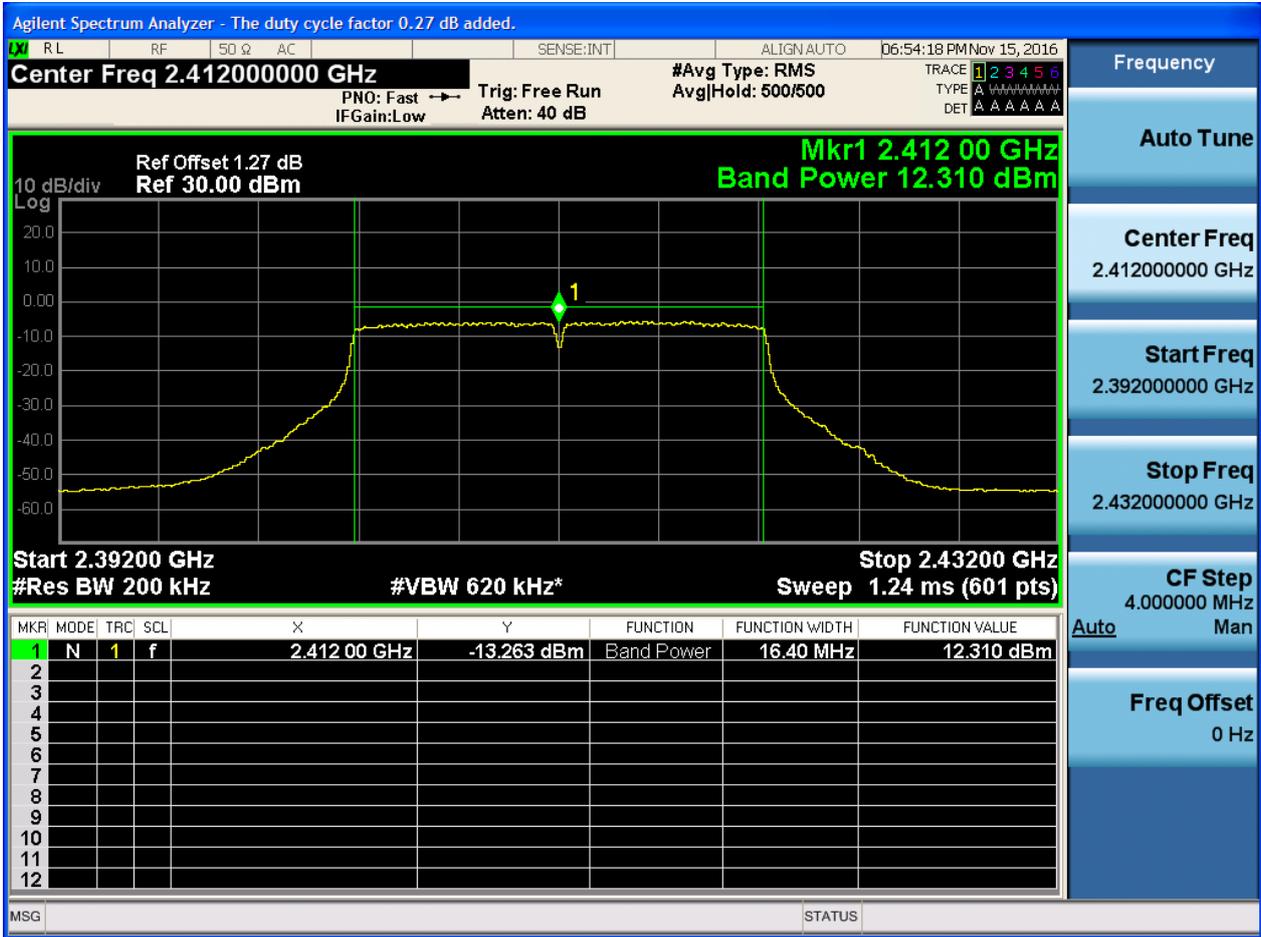


2.6 11B_H@Ant 2



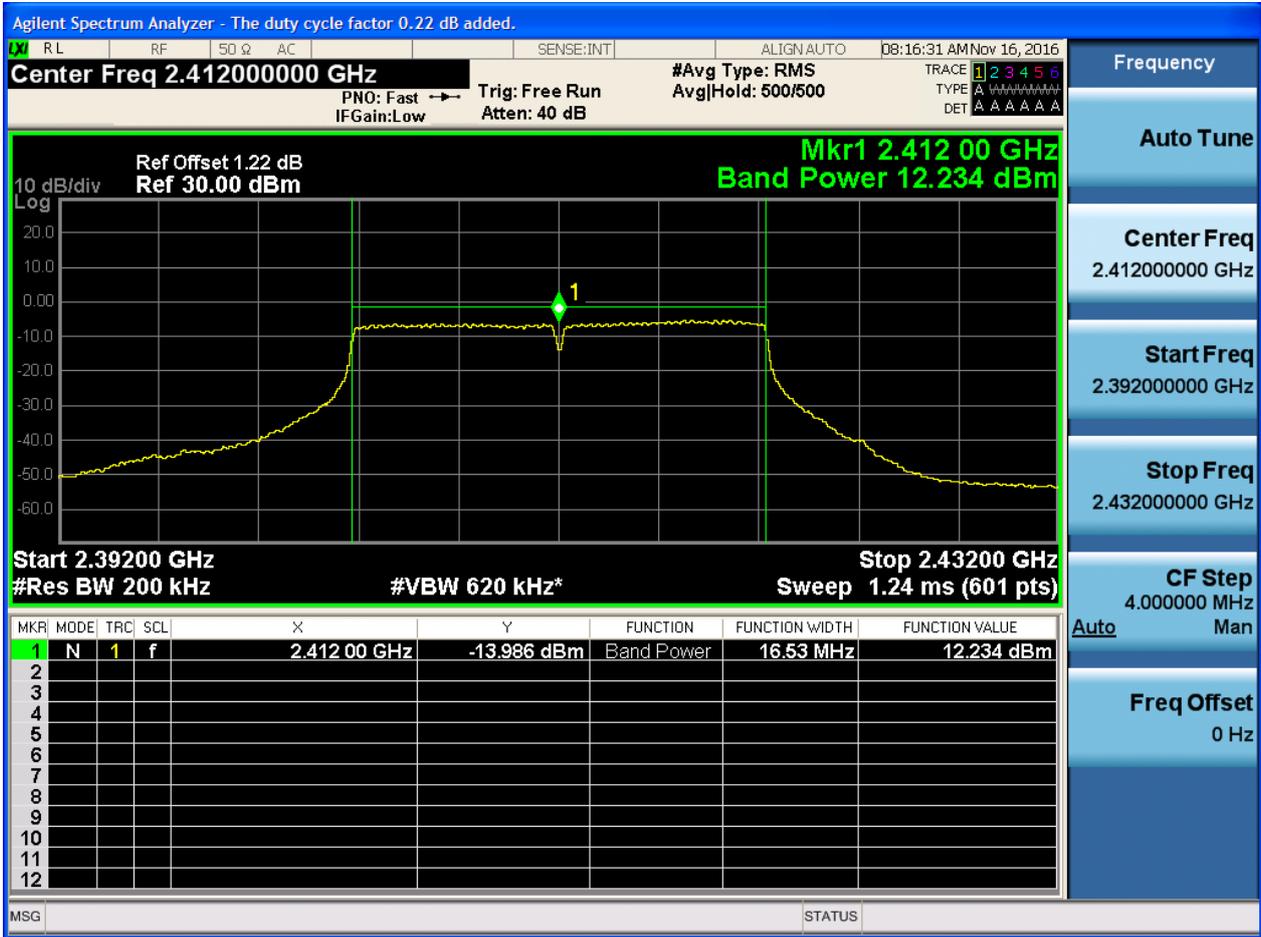


2.7 11G_L@Ant 1



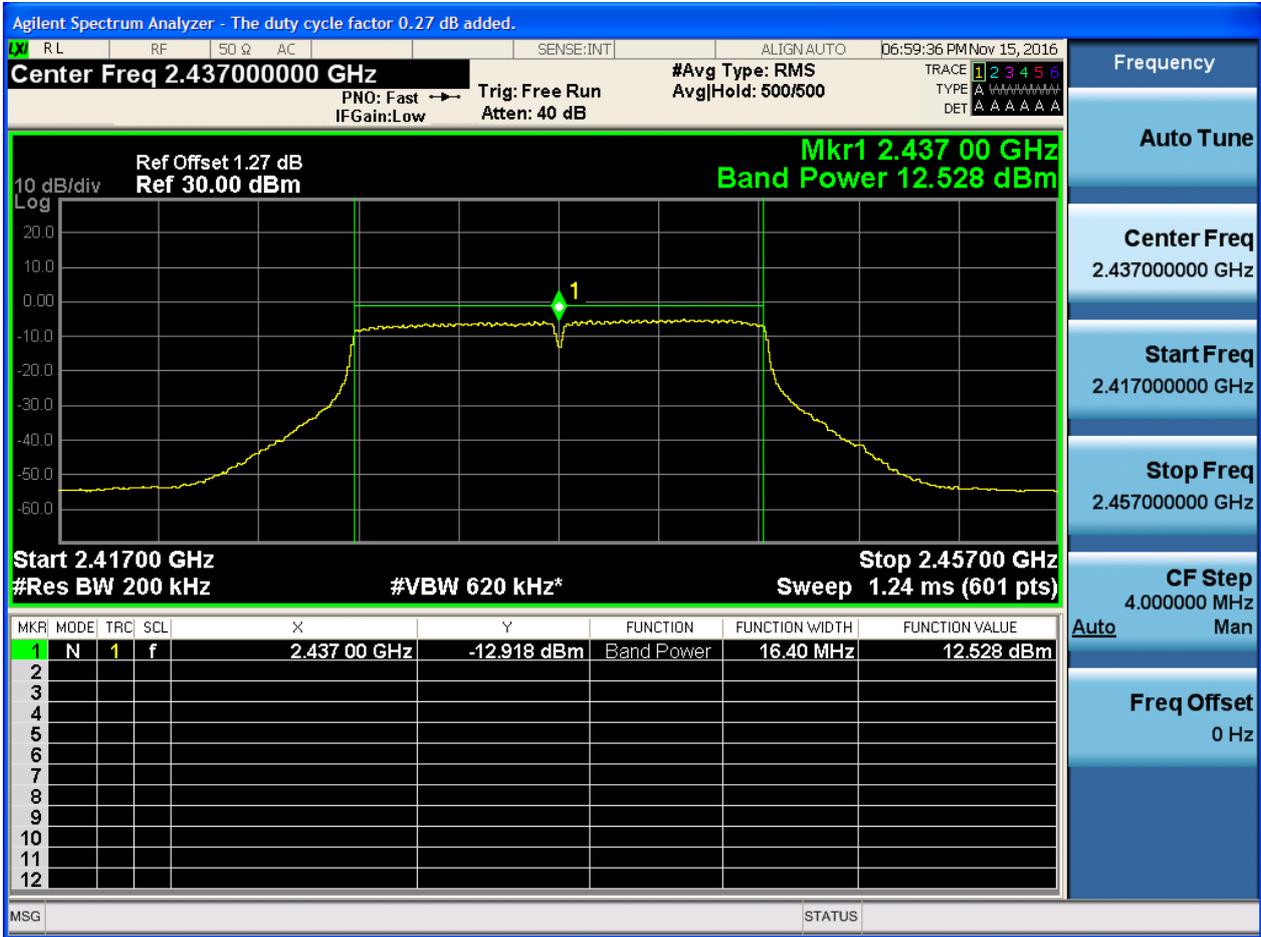


2.8 11G_L@Ant 2



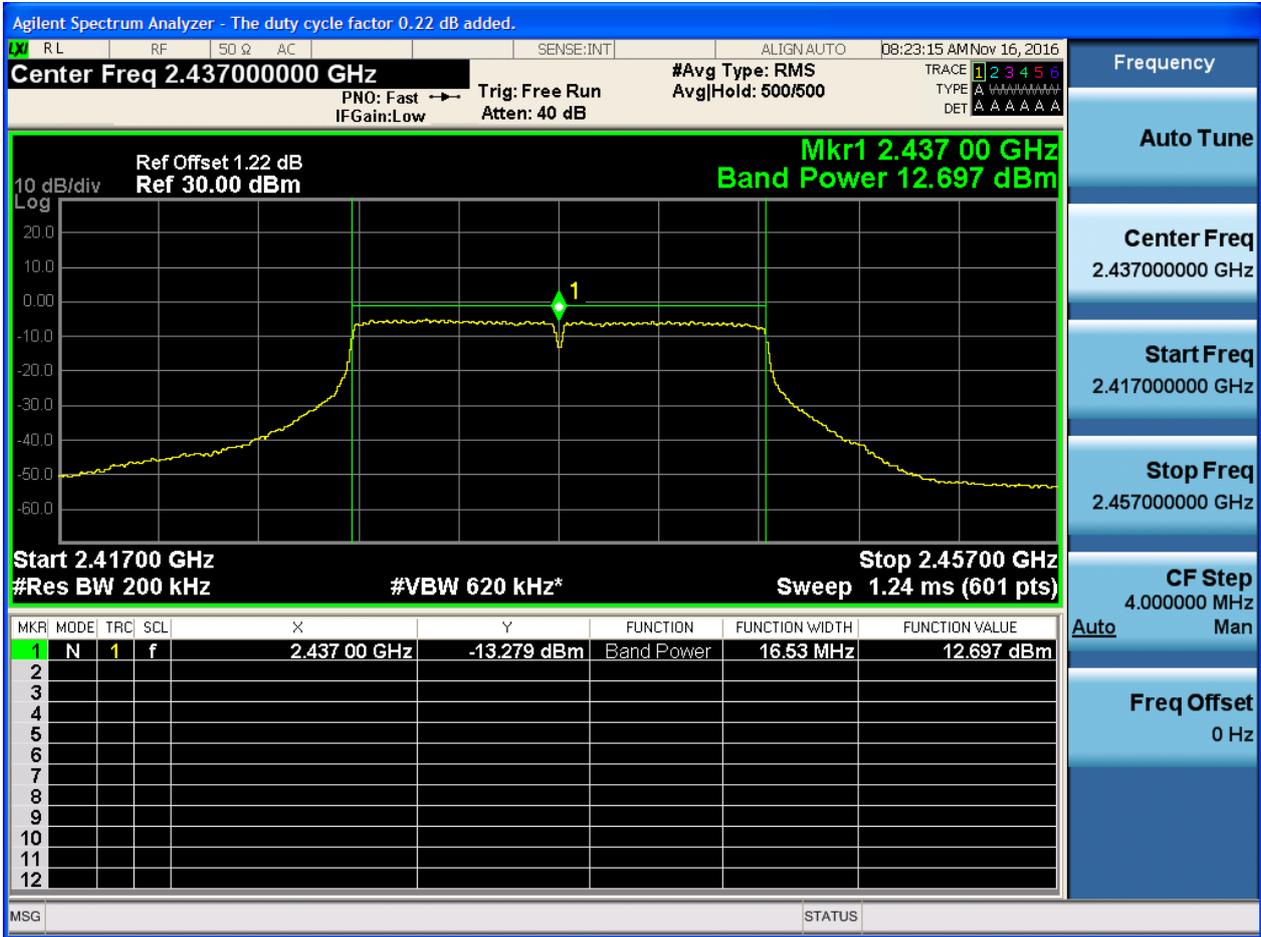


2.9 11G_M@Ant 1



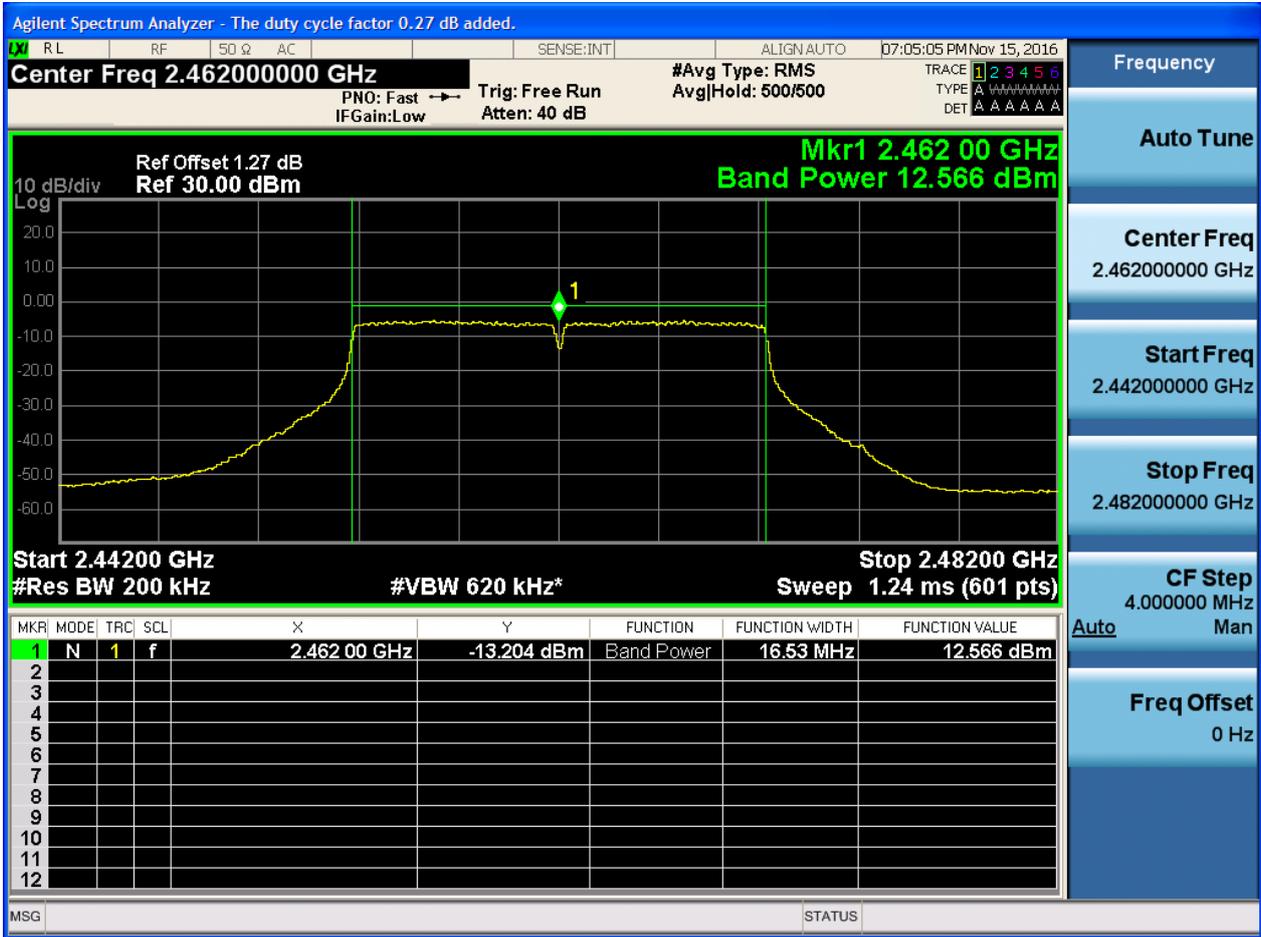


2.10 11G_M@Ant 2



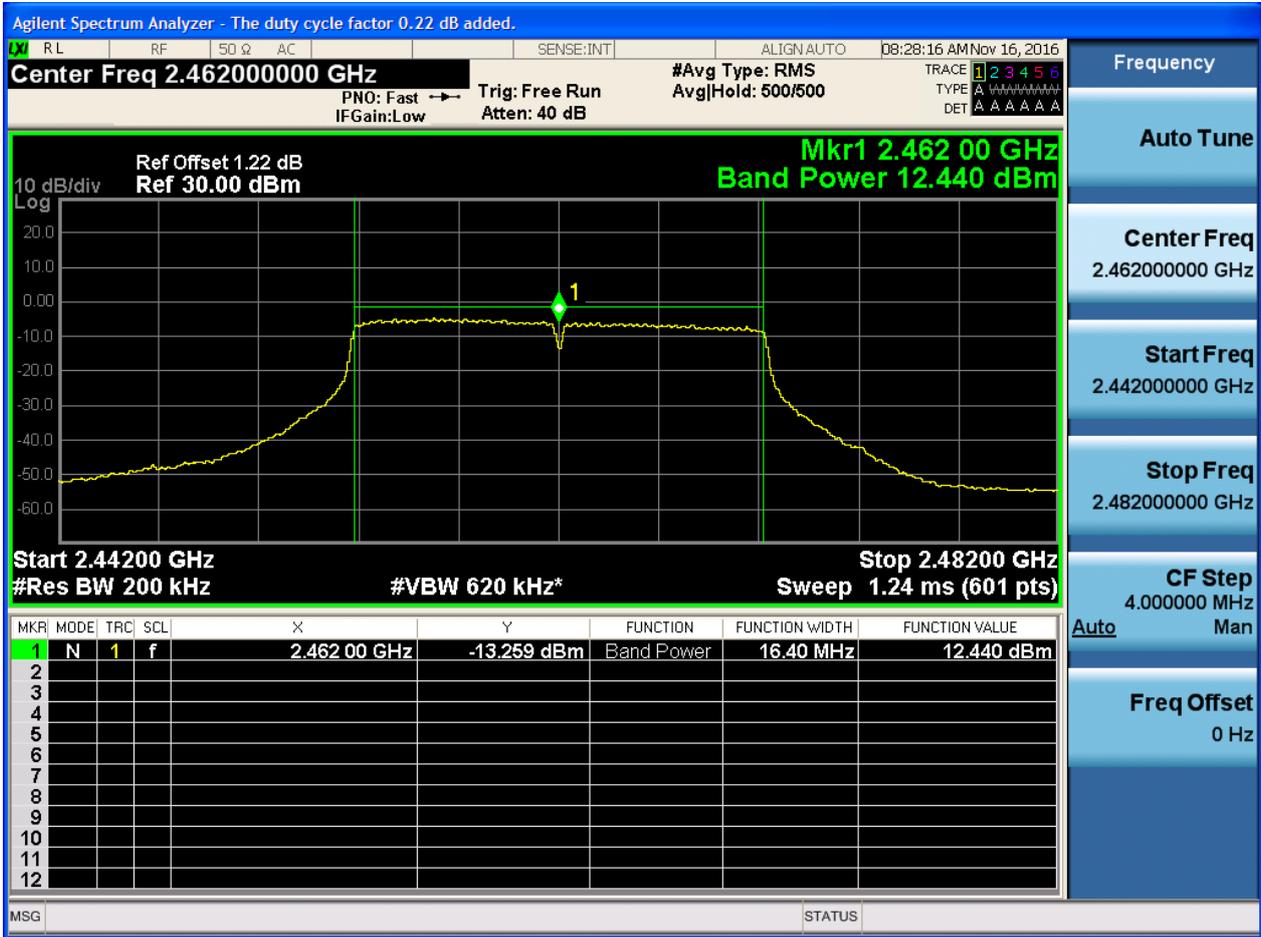


2.11 11G_H@Ant 1



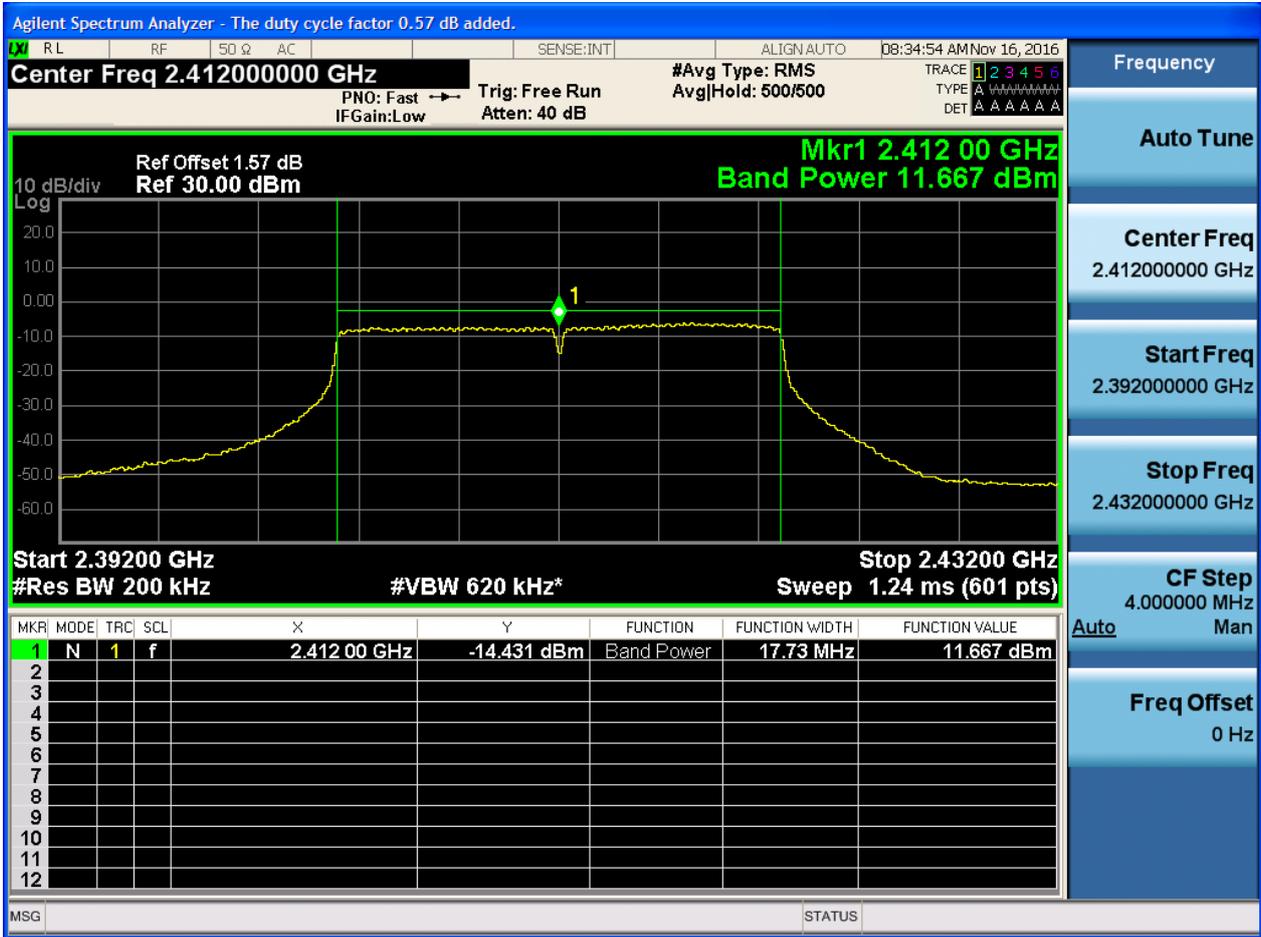


2.12 11G_H@Ant 2



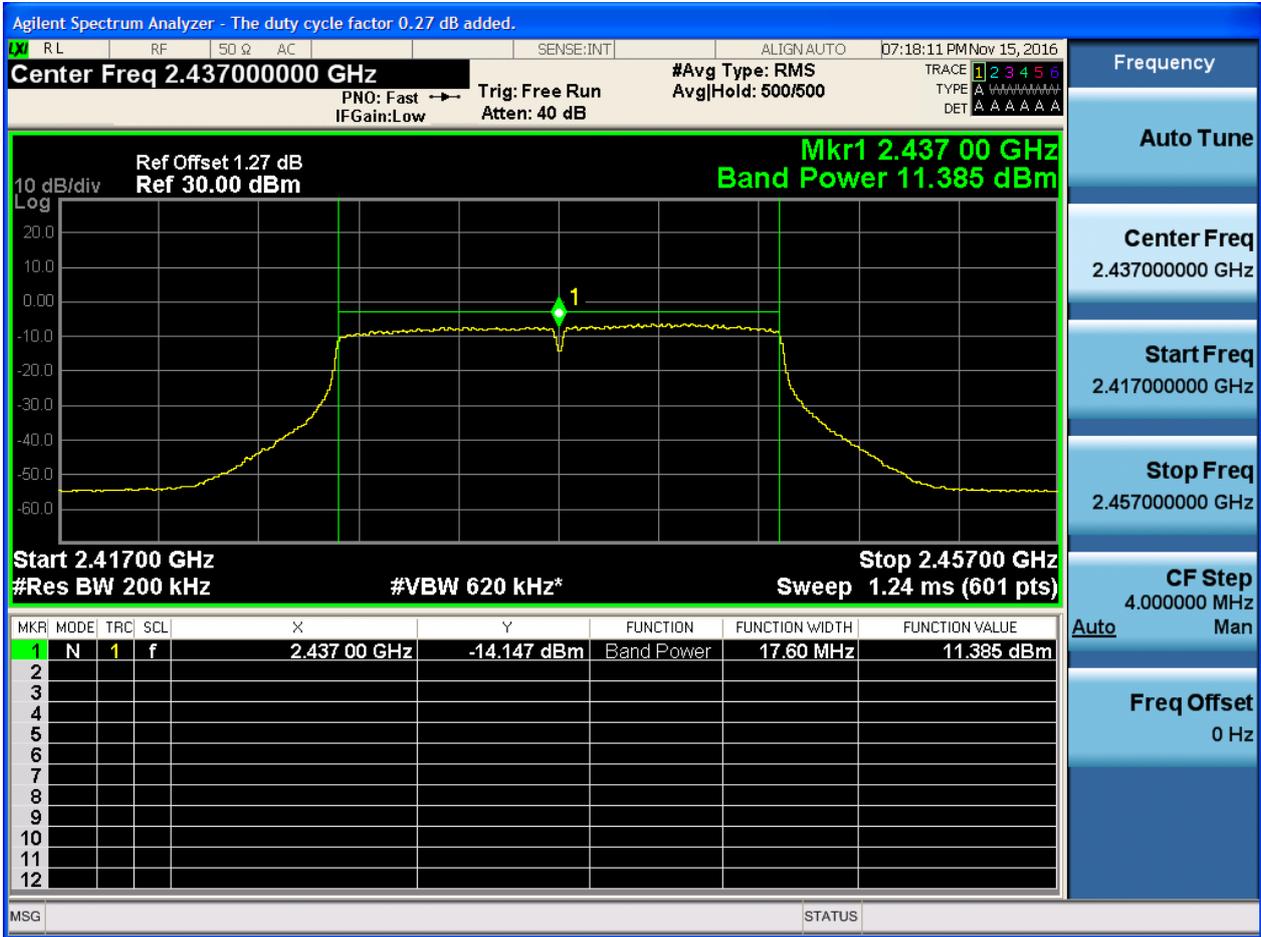


2.14 11N20_L@Ant 2



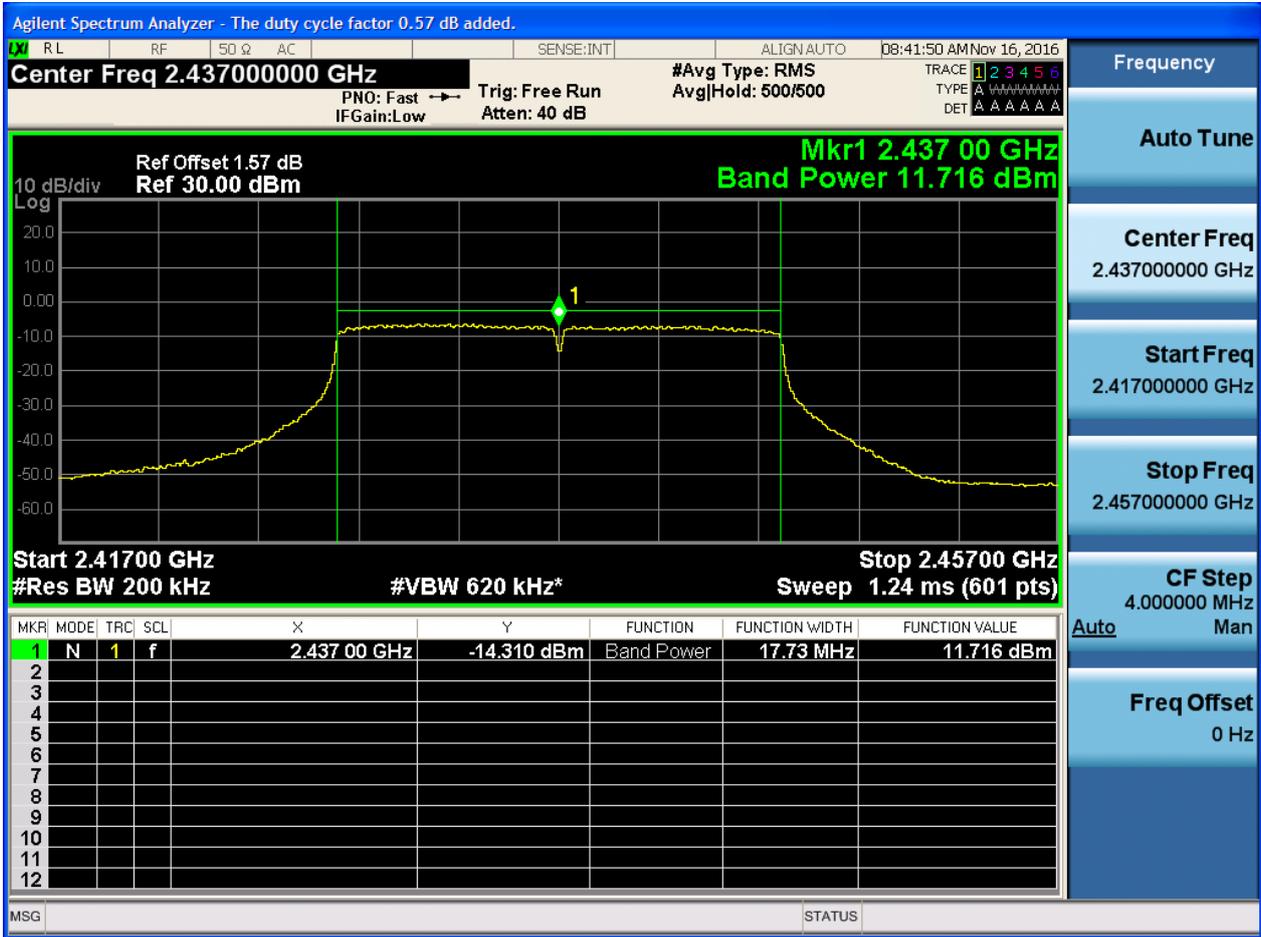


2.15 11N20_M@Ant 1



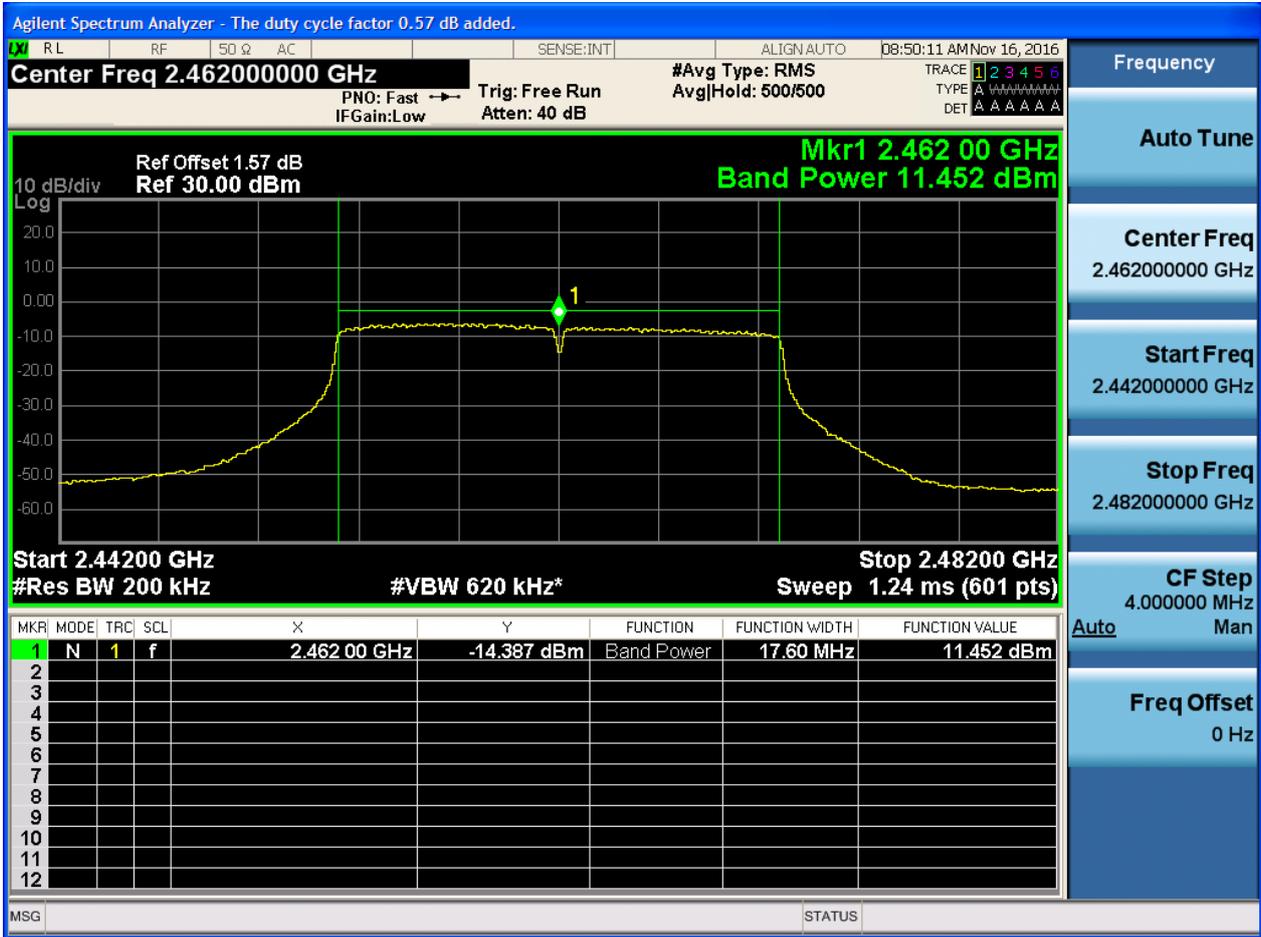


2.16 11N20_M@Ant 2



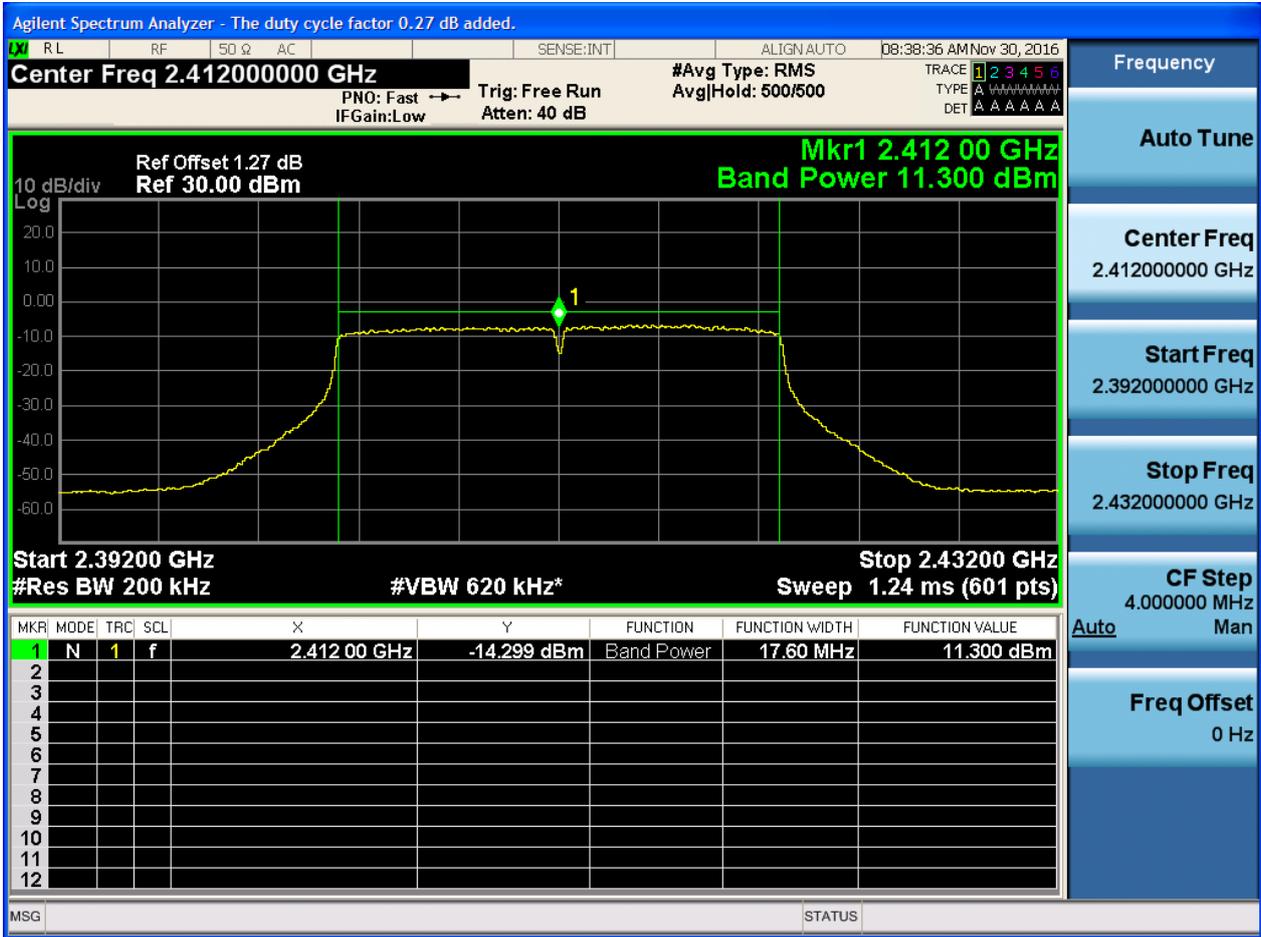


2.18 11N20_H@Ant 2



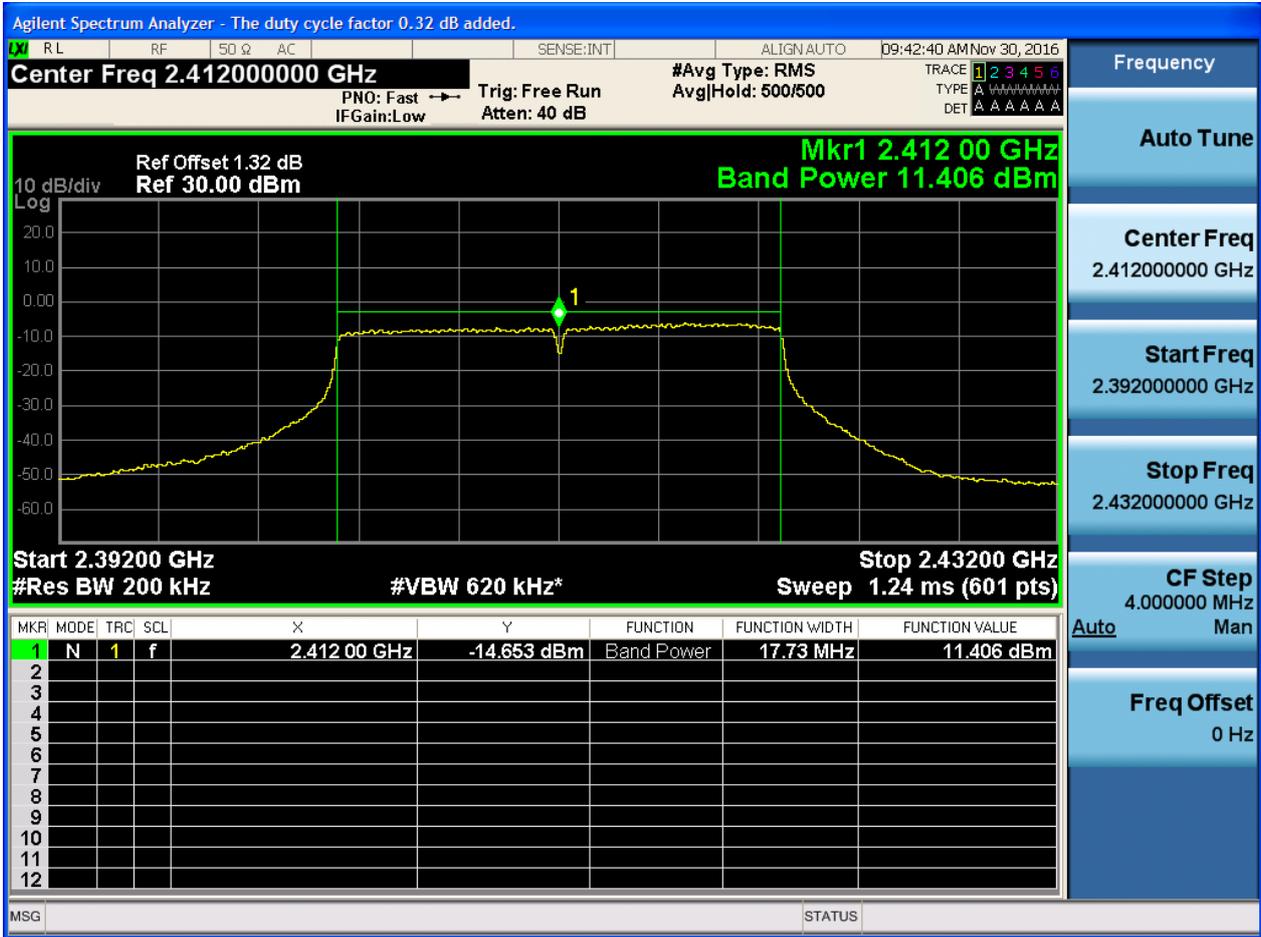


2.19 11N20m_L@Ant 1



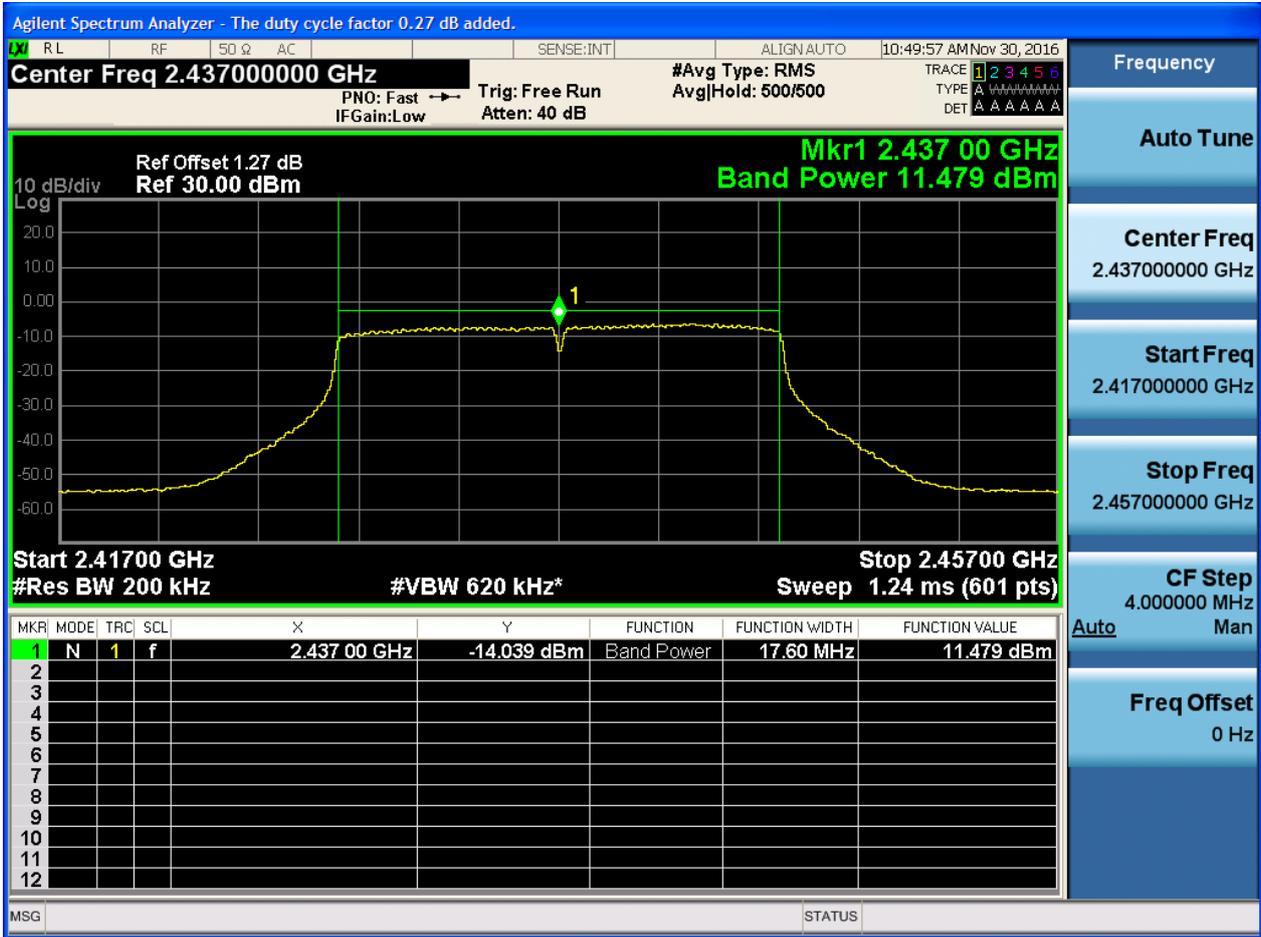


2.20 11N20m_L@Ant 2



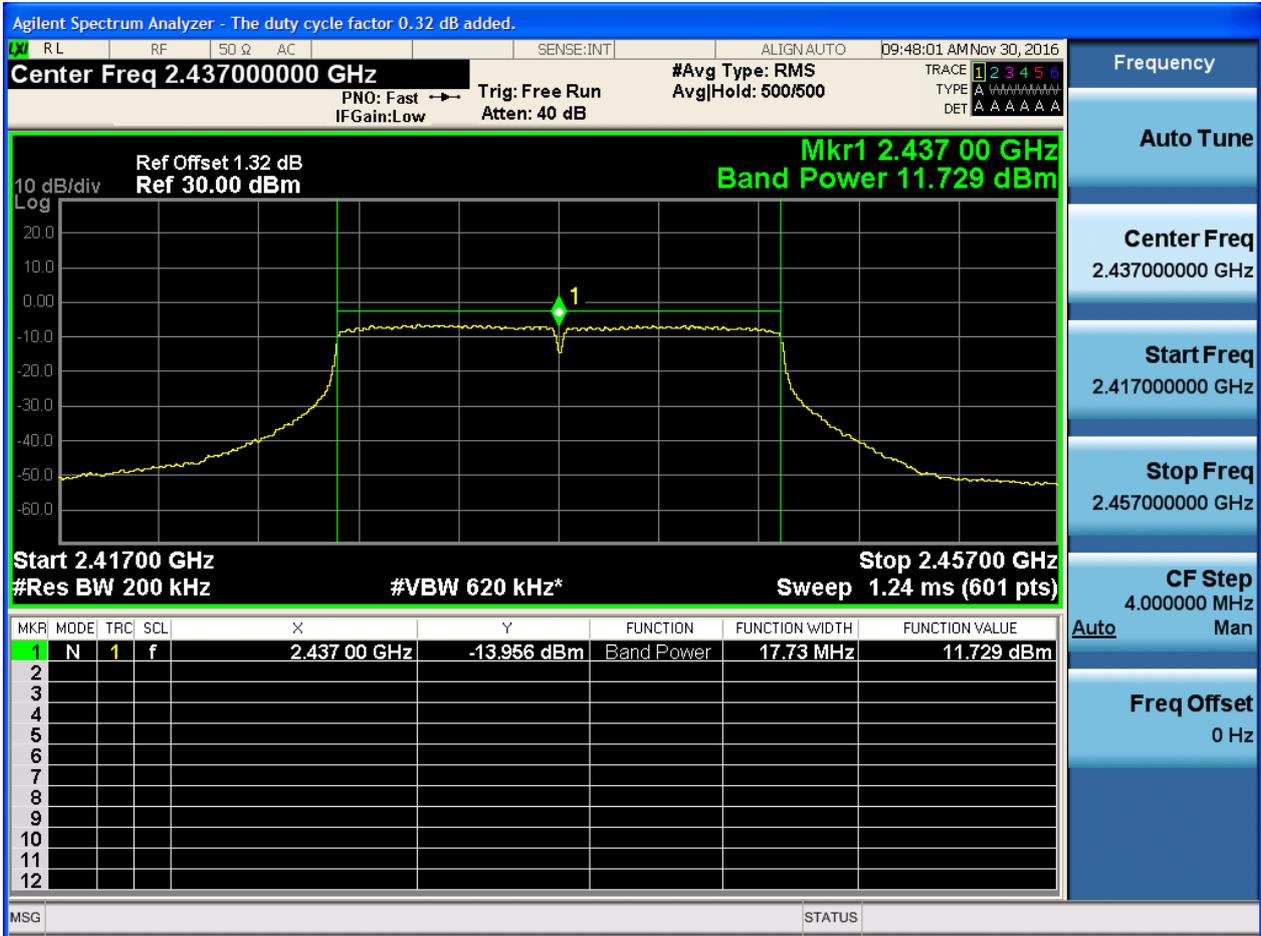


2.21 11N20m_M@Ant 1



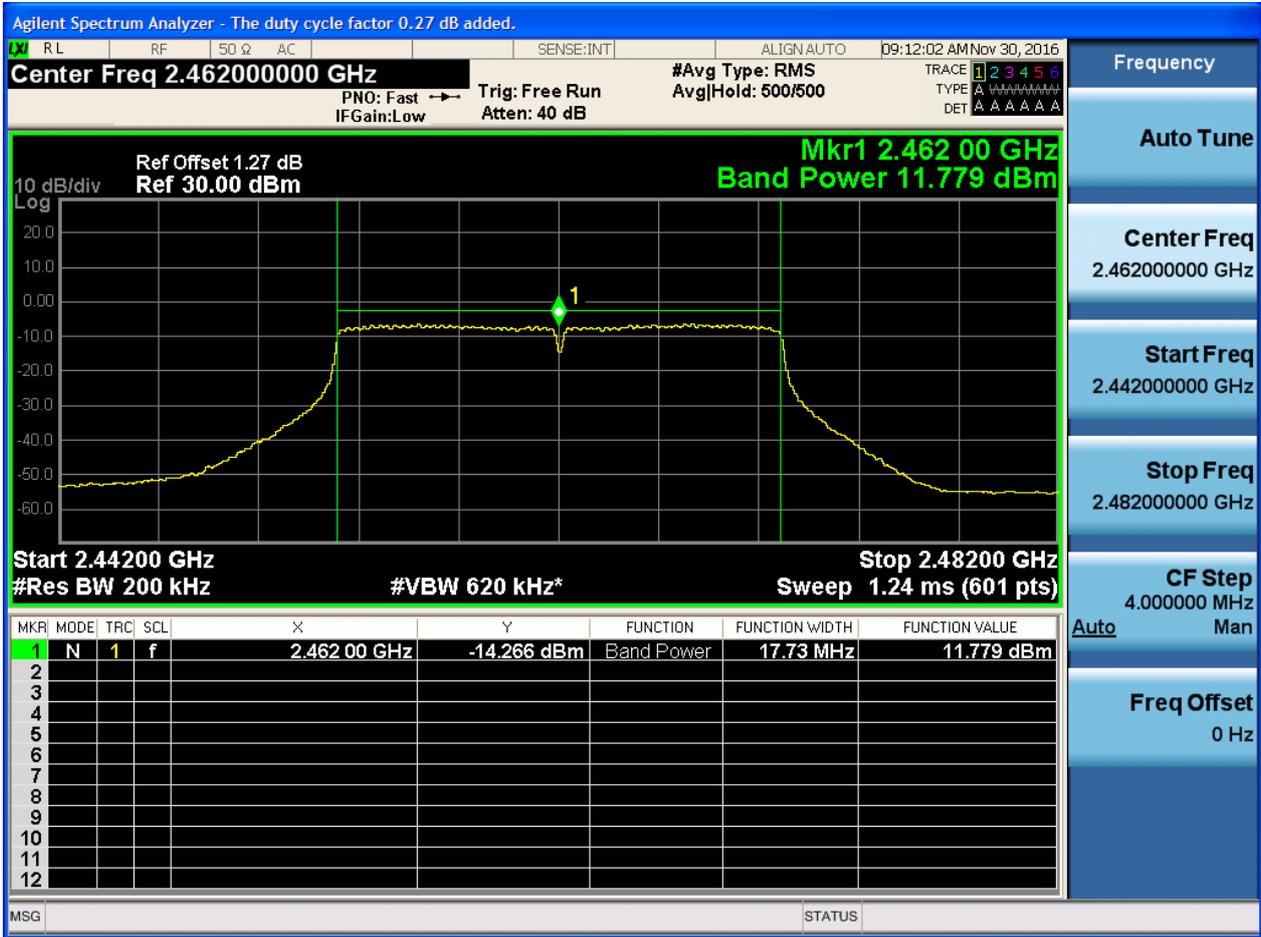


2.22 11N20m_M@Ant 2



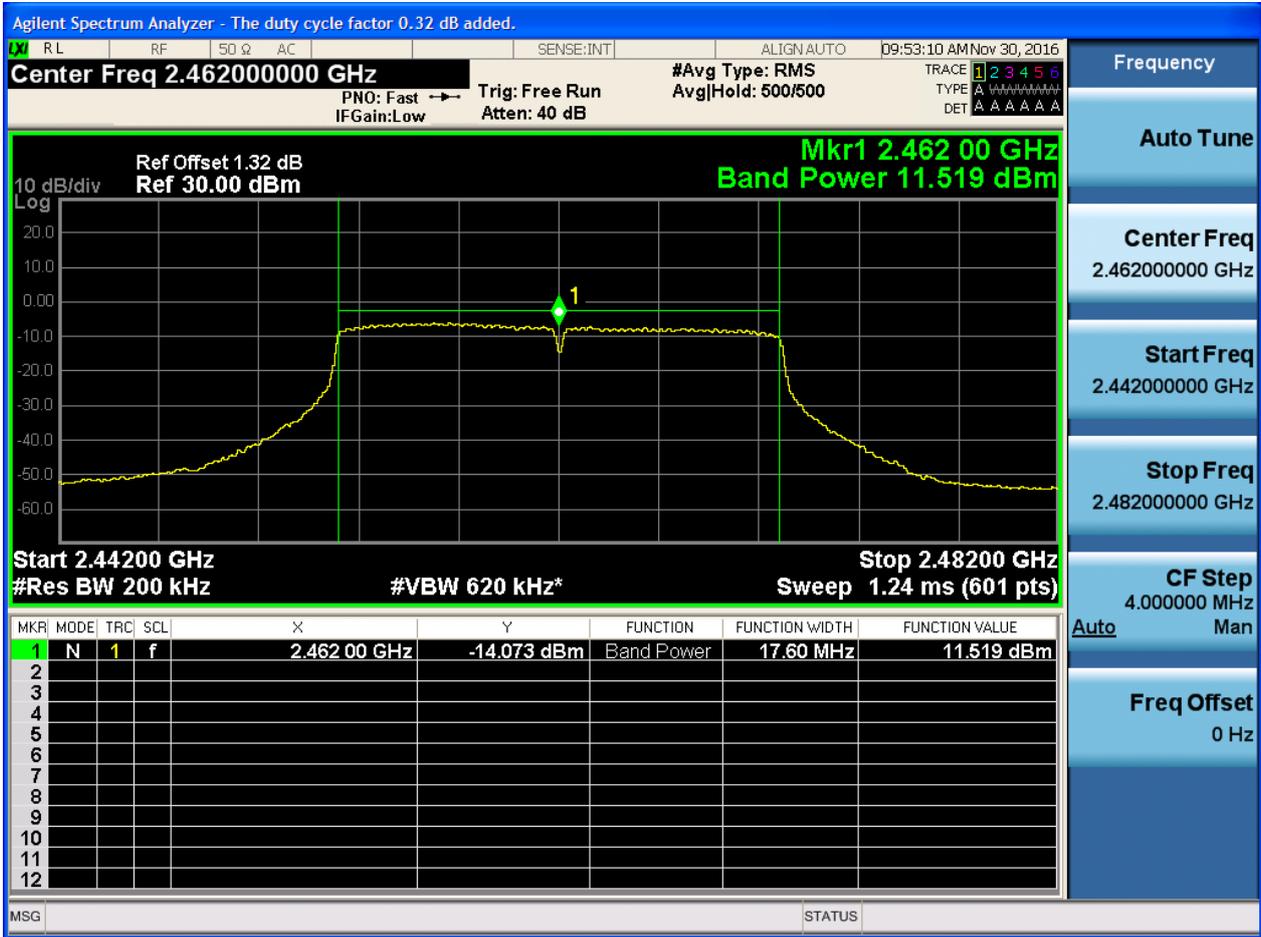


2.23 11N20m_H@Ant 1



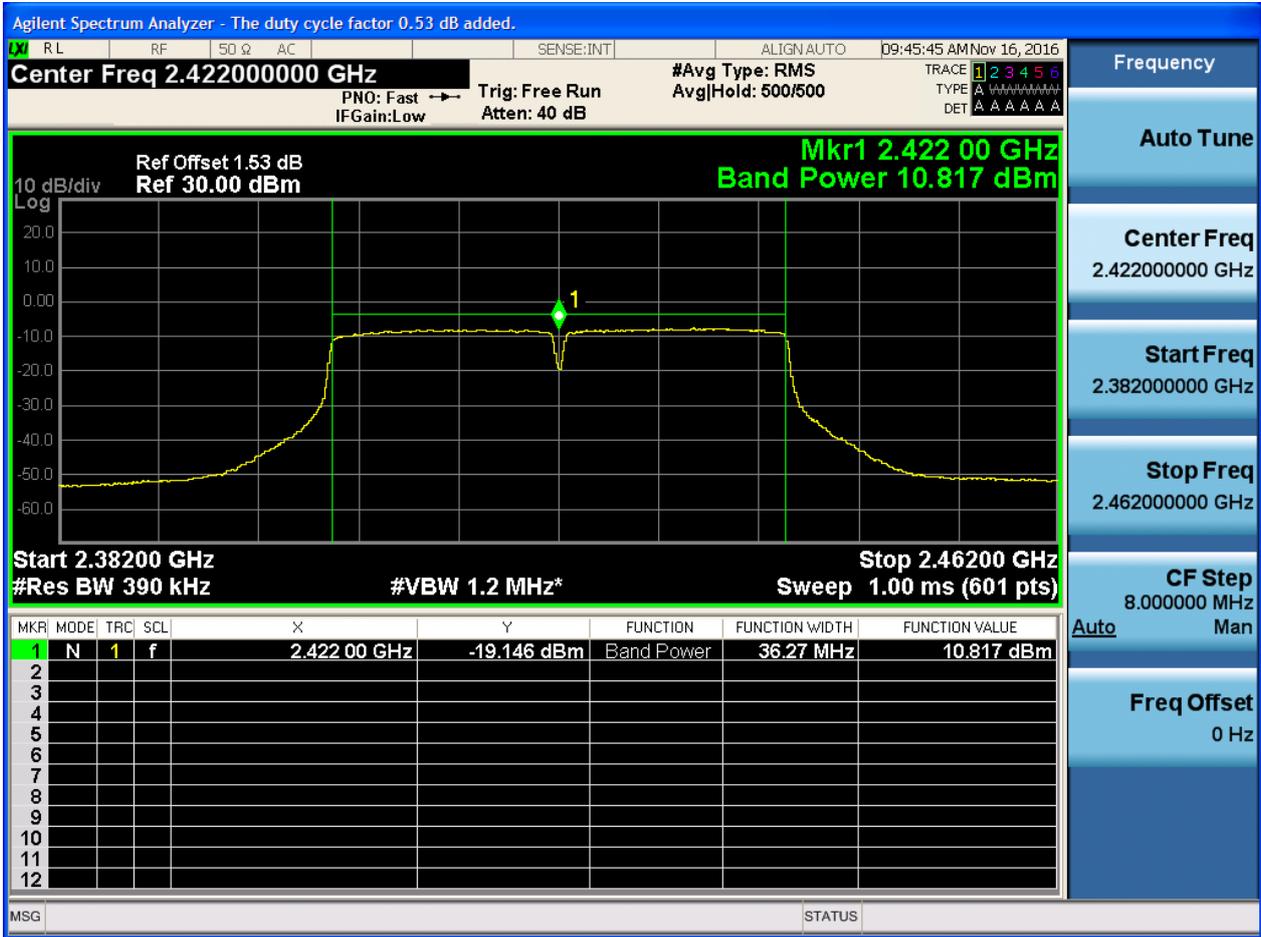


2.24 11N20m_H@Ant 2



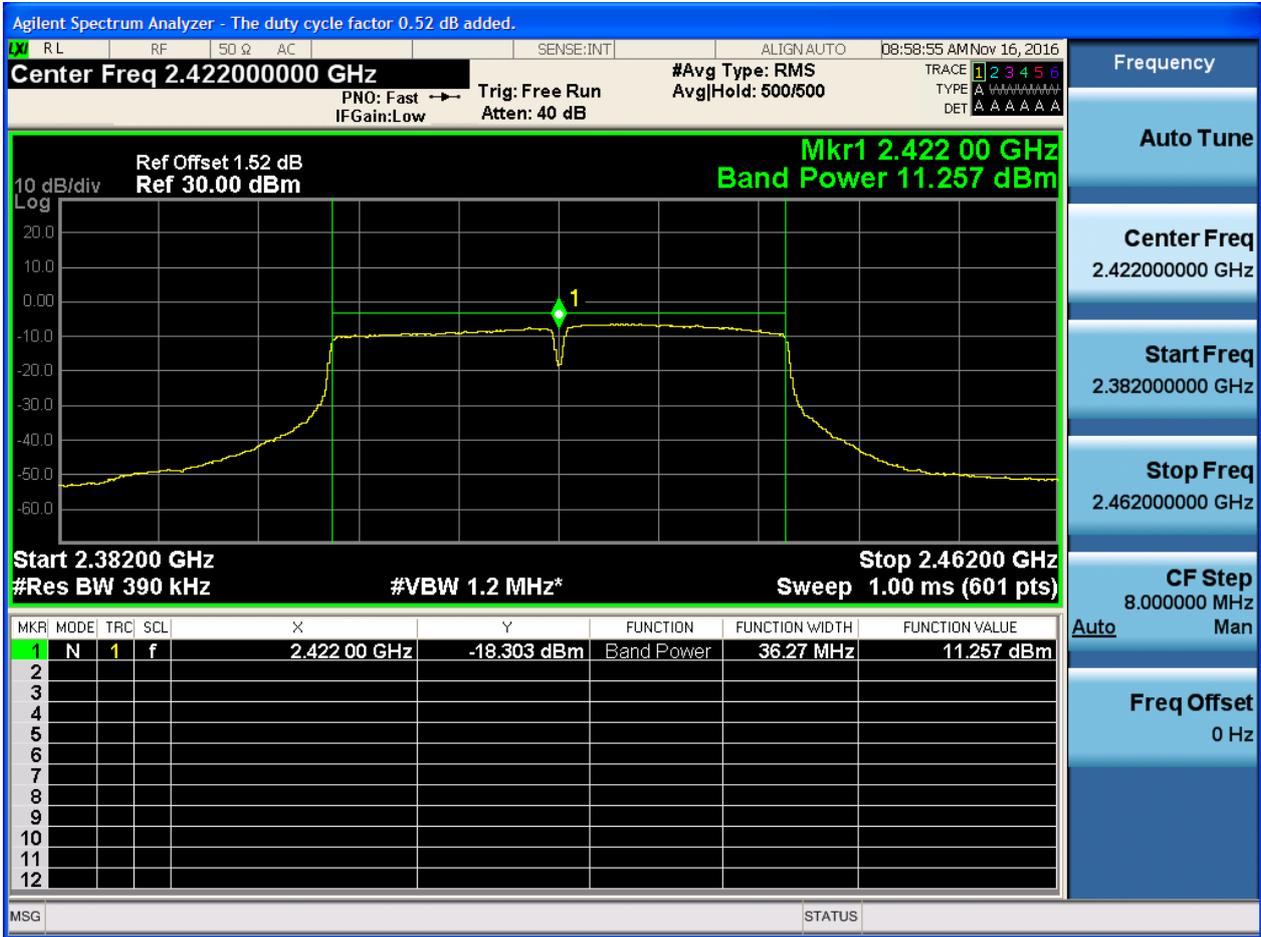


2.25 11N40_L@Ant 1



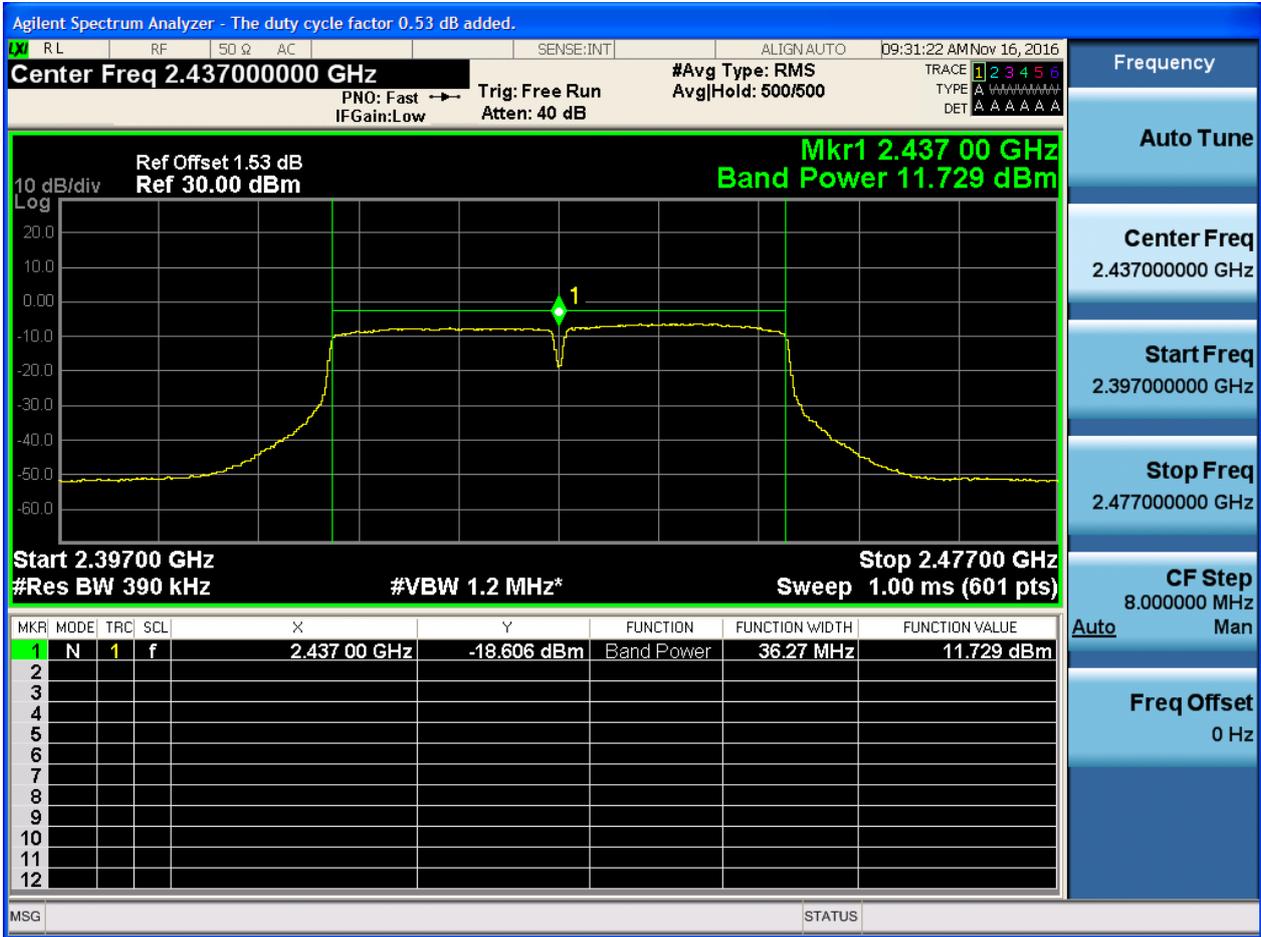


2.26 11N40_L@Ant 2



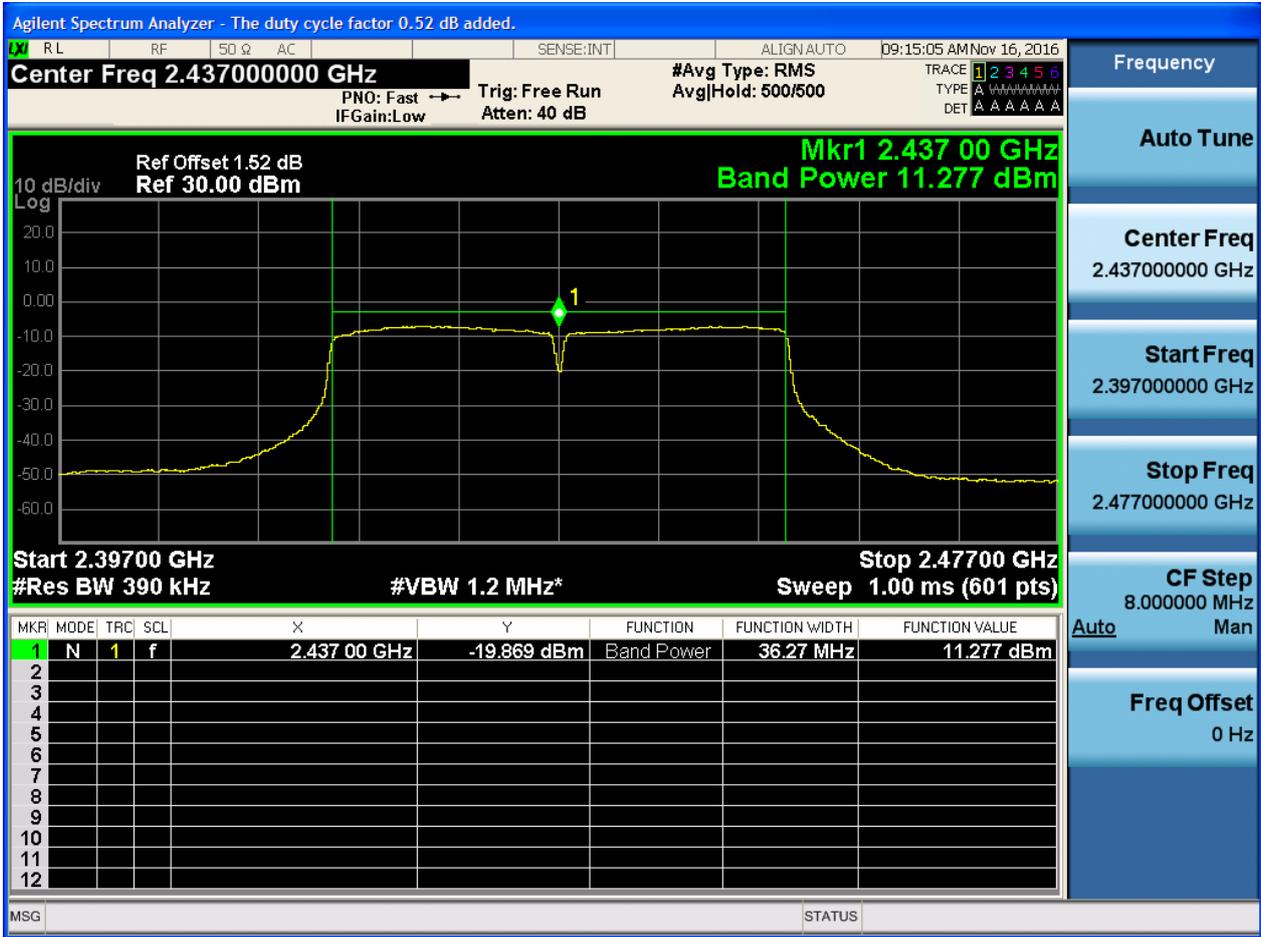


2.27 11N40_M@Ant 1



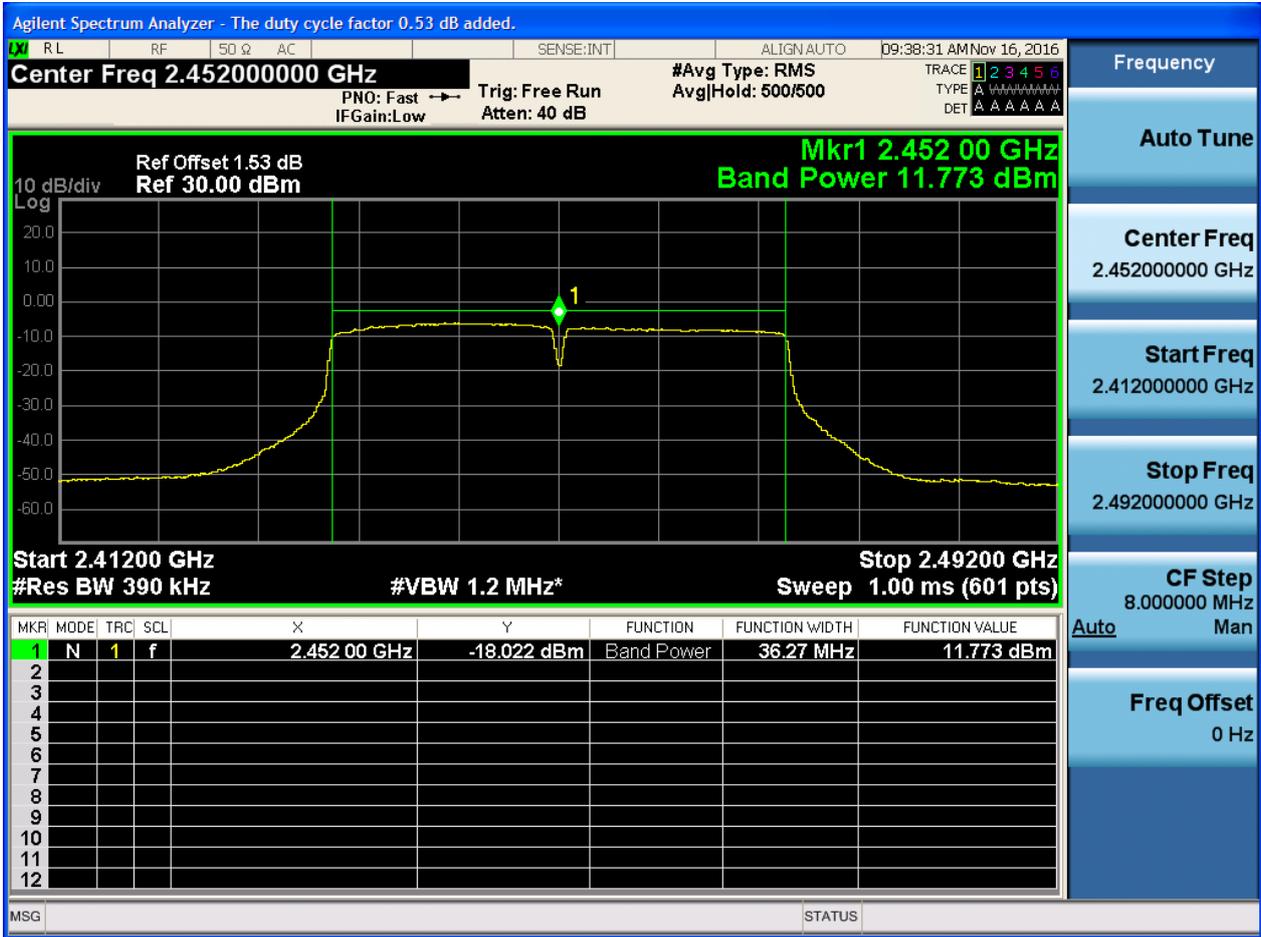


2.28 11N40_M@Ant 2



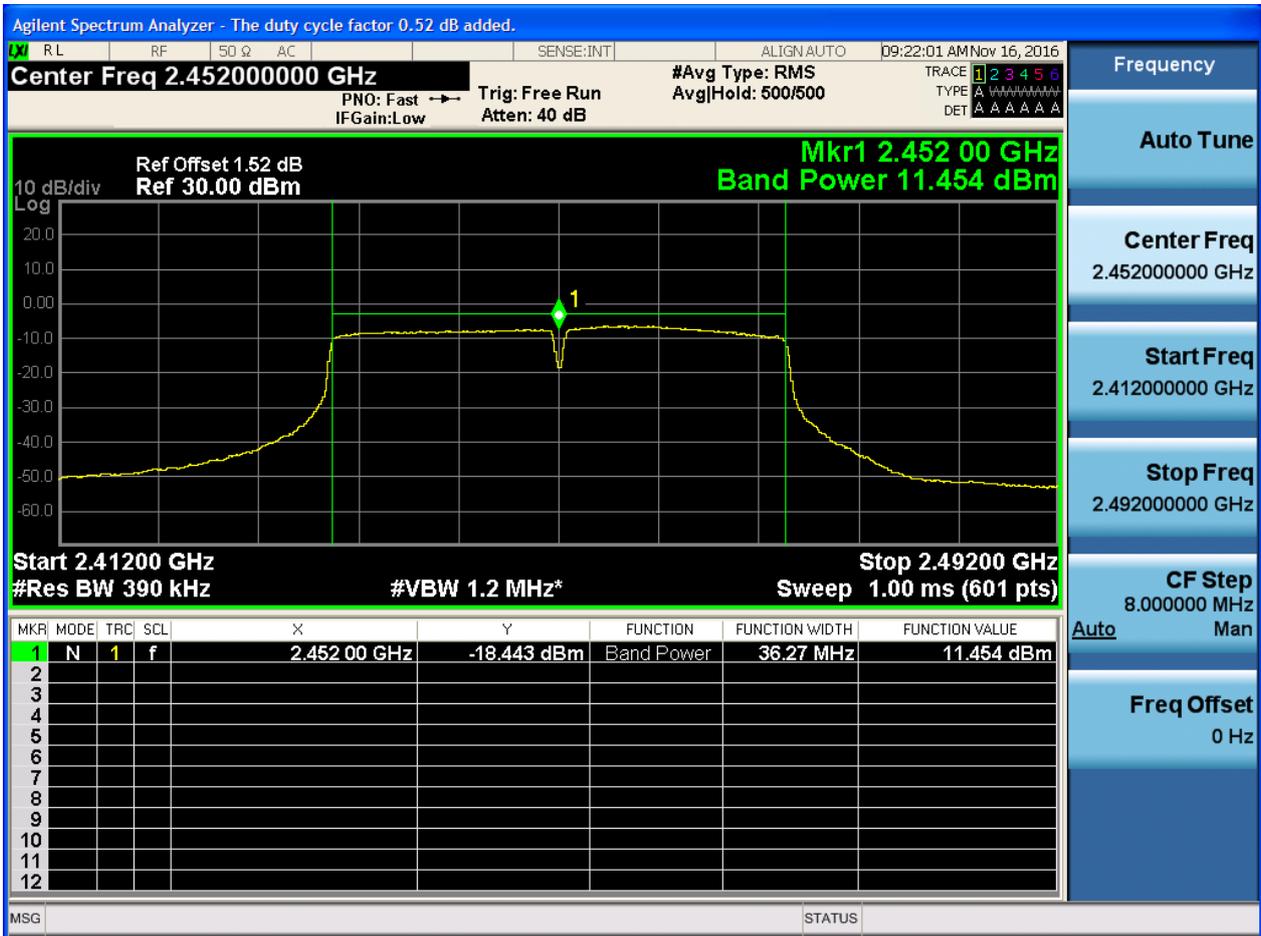


2.29 11N40_H@Ant 1



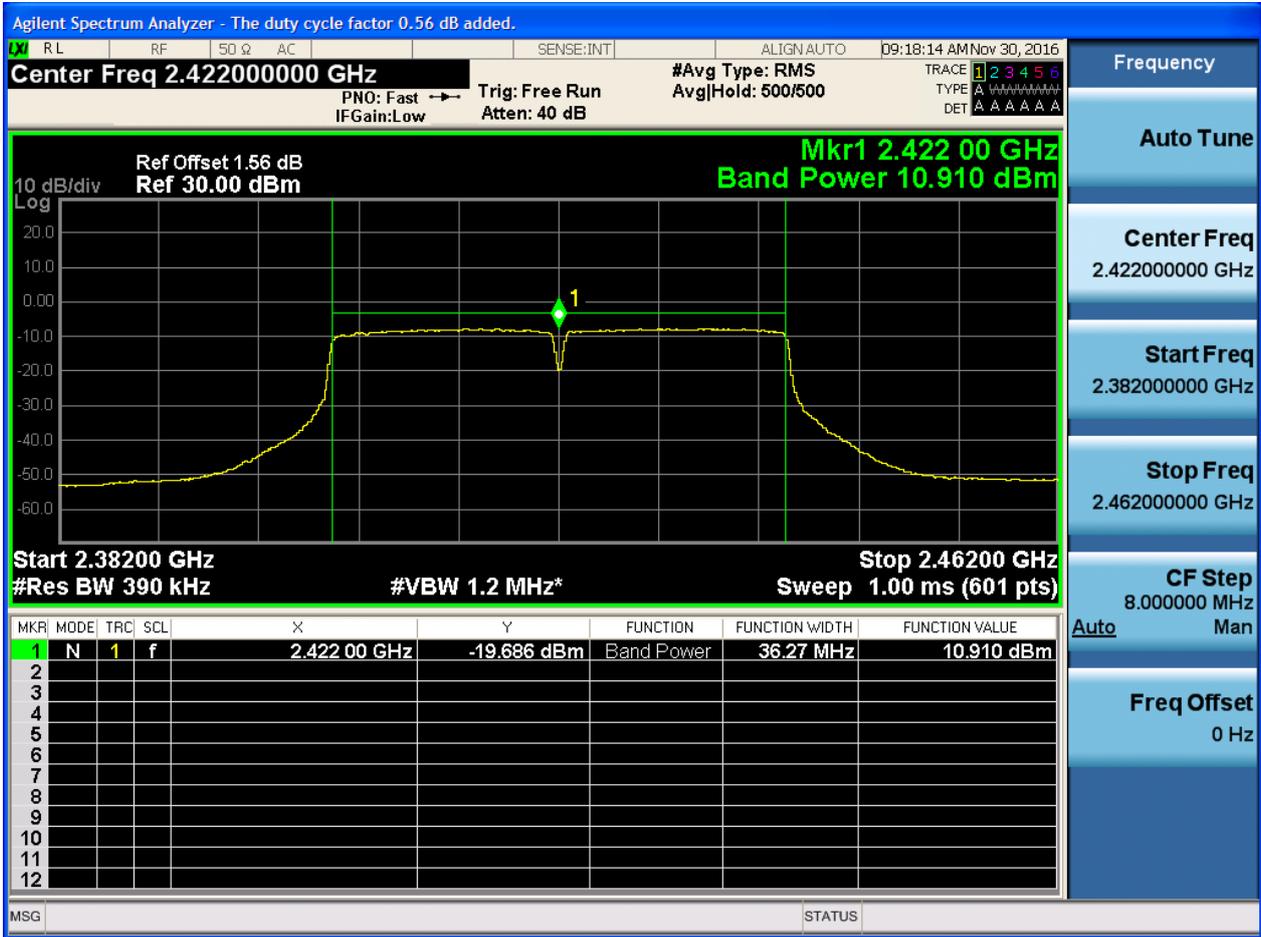


2.30 11N40_H@Ant 2



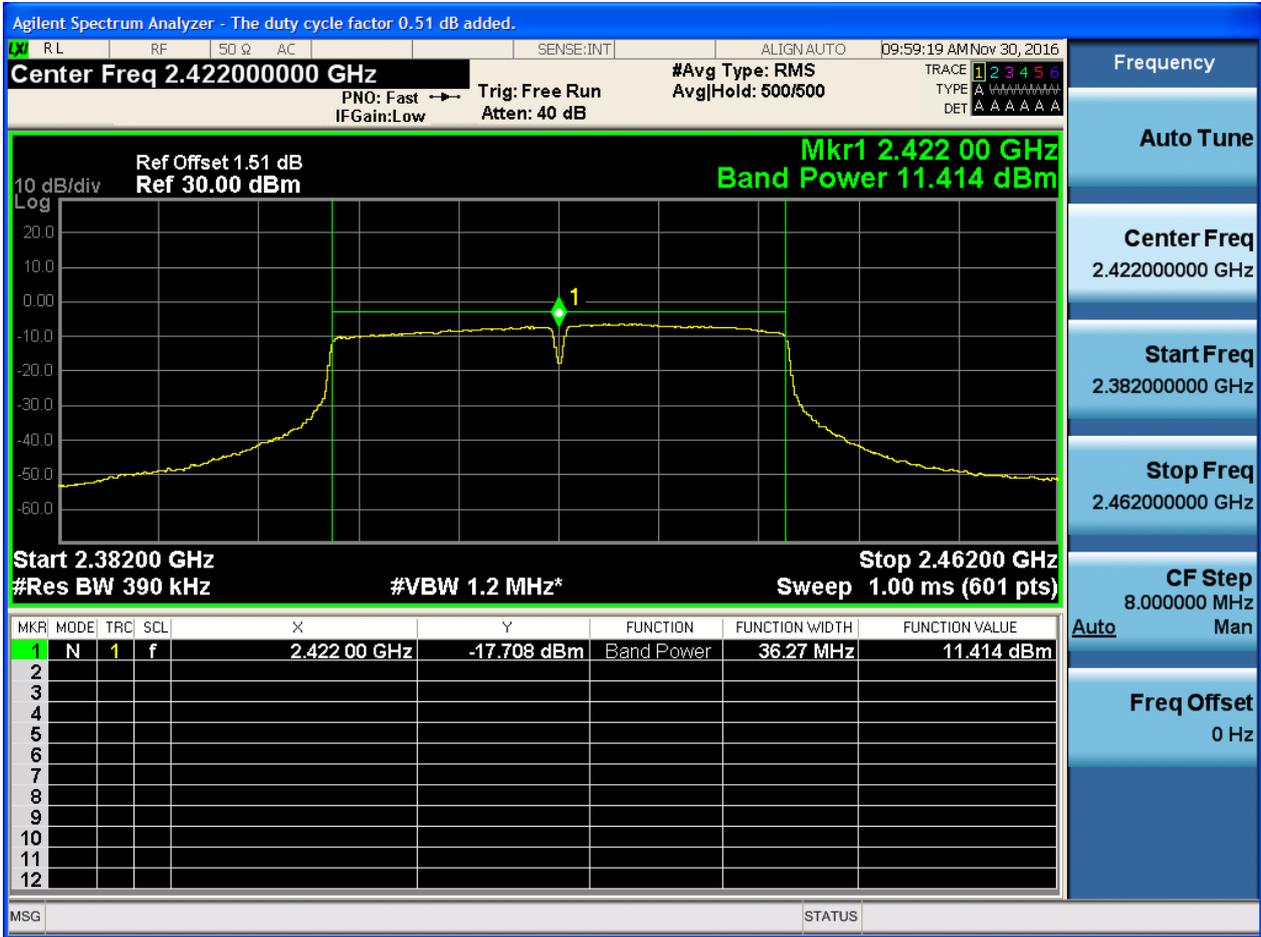


2.31 11N40m_L@Ant 1



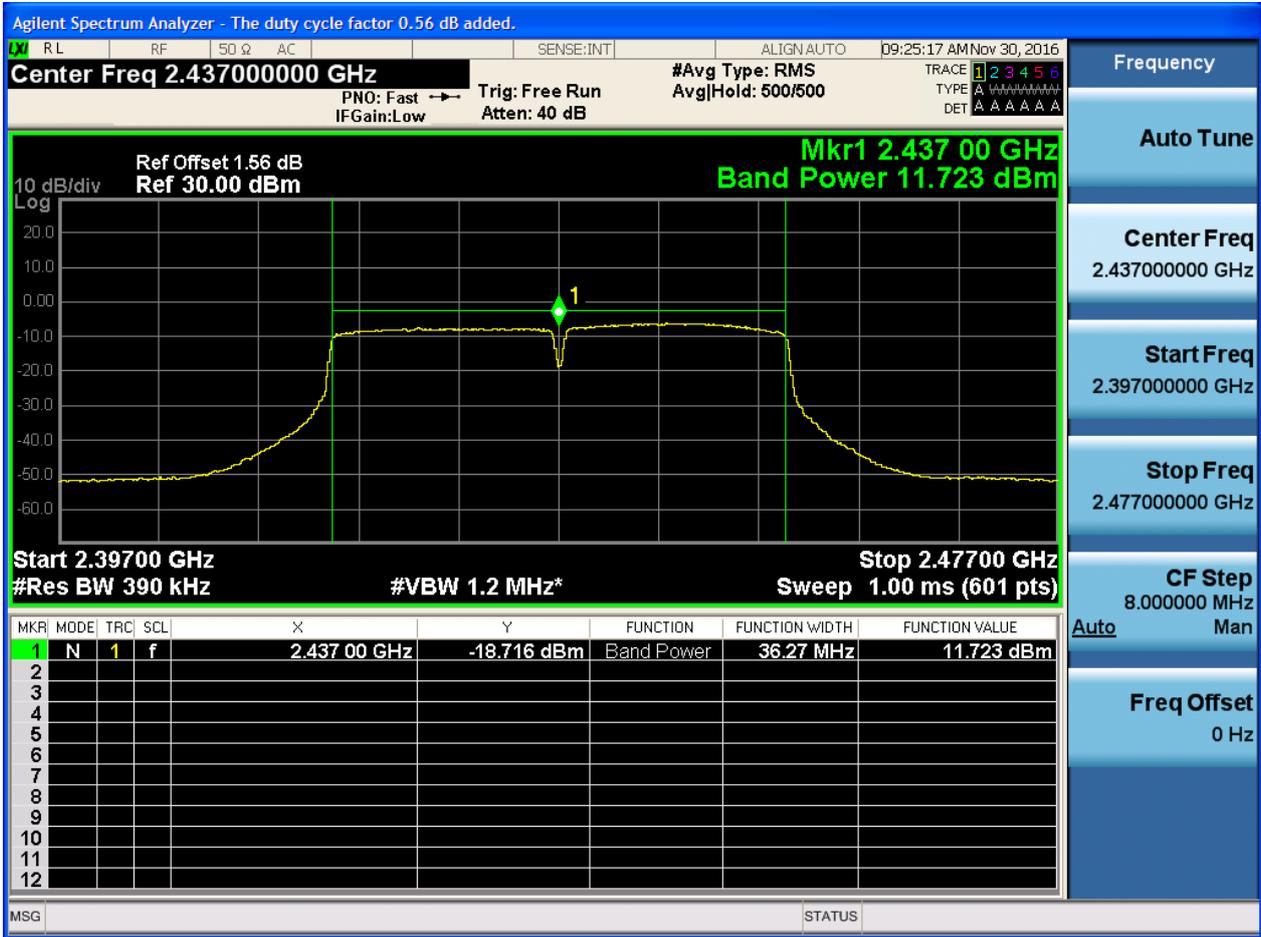


2.32 11N40m_L@Ant 2



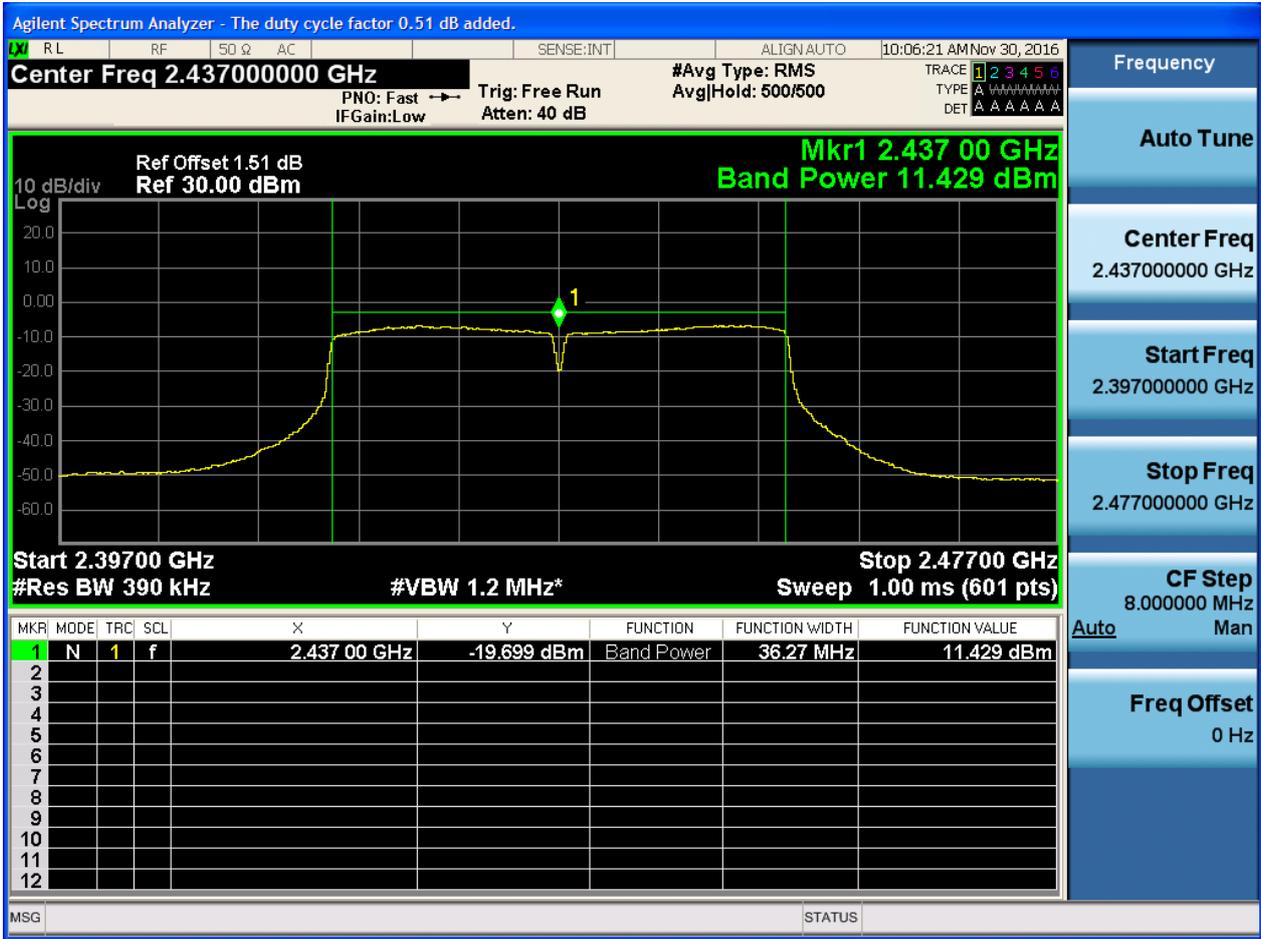


2.33 11N40m_M@Ant 1



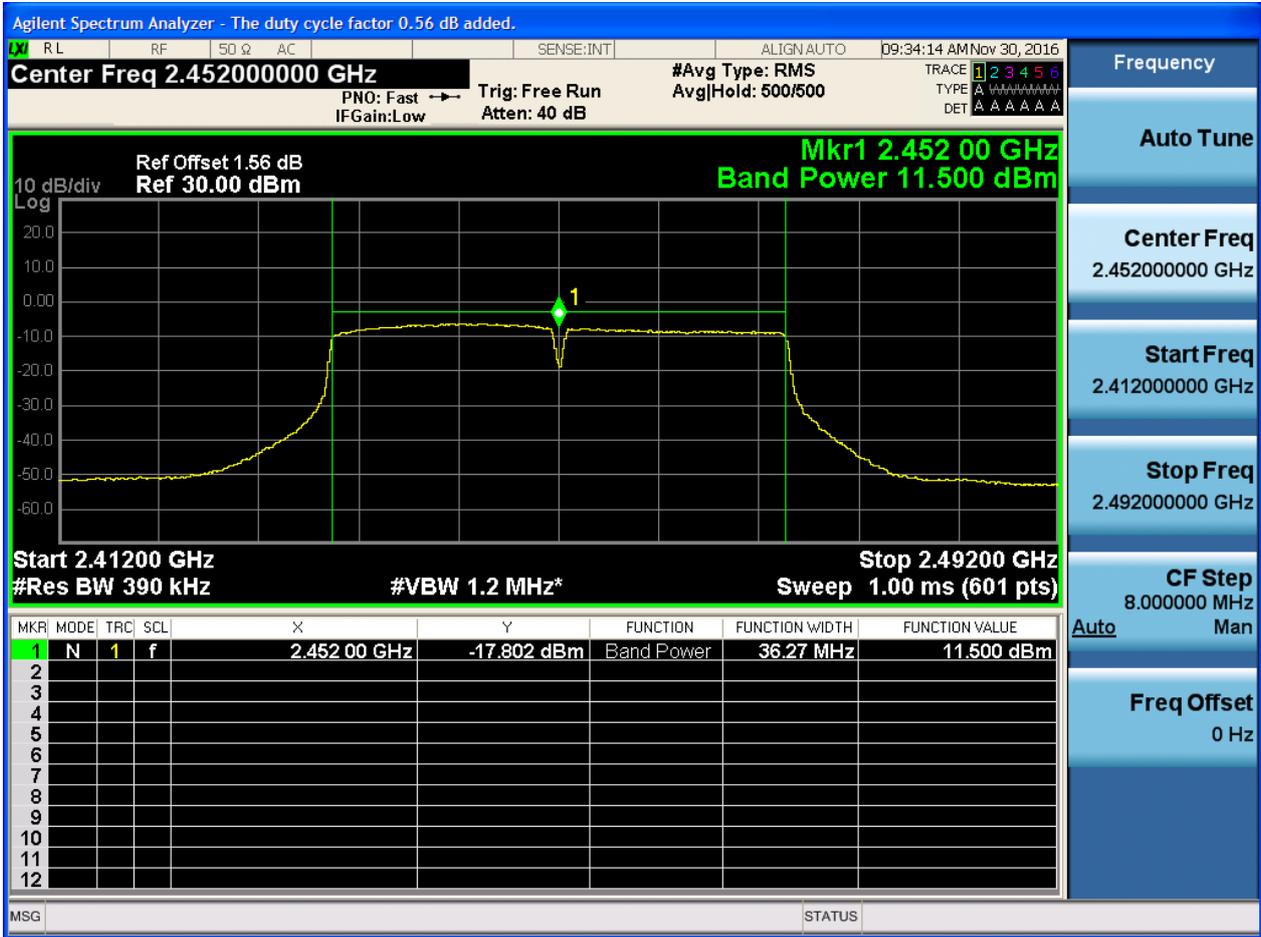


2.34 11N40m_M@Ant 2





2.35 11N40m_H@Ant 1





Appendix E: Maximum Power Spectral Density Level

Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	PD[MHz]	Verdict
11B	L	2412	Ant 1	-10.82	pass
11B	L	2412	Ant 2	-10.69	pass
11B	M	2437	Ant 1	-11.04	pass
11B	M	2437	Ant 2	-10.65	pass
11B	H	2462	Ant 1	-10.96	pass
11B	H	2462	Ant 2	-10.54	pass
11G	L	2412	Ant 1	-17.59	pass
11G	L	2412	Ant 2	-17.23	pass
11G	M	2437	Ant 1	-16.83	pass
11G	M	2437	Ant 2	-16.93	pass
11G	H	2462	Ant 1	-17.27	pass
11G	H	2462	Ant 2	-16.55	pass
11N20	L	2412	Ant 1	-18.67	pass
11N20	L	2412	Ant 2	-17.99	pass
11N20	M	2437	Ant 1	-18.12	pass
11N20	M	2437	Ant 2	-18.14	pass
11N20	H	2462	Ant 1	-18.53	pass
11N20	H	2462	Ant 2	-17.72	pass
11N20m	L	2412	Ant 1	-18.46	pass
11N20m	L	2412	Ant 2	-17.93	pass
11N20m	L	2412	Ant sum	-15.18	pass
11N20m	M	2437	Ant 1	-18.11	pass
11N20m	M	2437	Ant 2	-18.19	pass
11N20m	M	2437	Ant sum	-15.14	pass
11N20m	H	2462	Ant 1	-18.34	pass
11N20m	H	2462	Ant 2	-17.90	pass
11N20m	H	2462	Ant sum	-15.10	pass
11N40	L	2422	Ant 1	-22.63	pass
11N40	L	2422	Ant 2	-21.23	pass
11N40	M	2437	Ant 1	-21.15	pass
11N40	M	2437	Ant 2	-21.92	pass
11N40	H	2452	Ant 1	-21.02	pass
11N40	H	2452	Ant 2	-20.95	pass
11N40m	L	2422	Ant 1	-22.61	pass
11N40m	L	2422	Ant 2	-21.18	pass

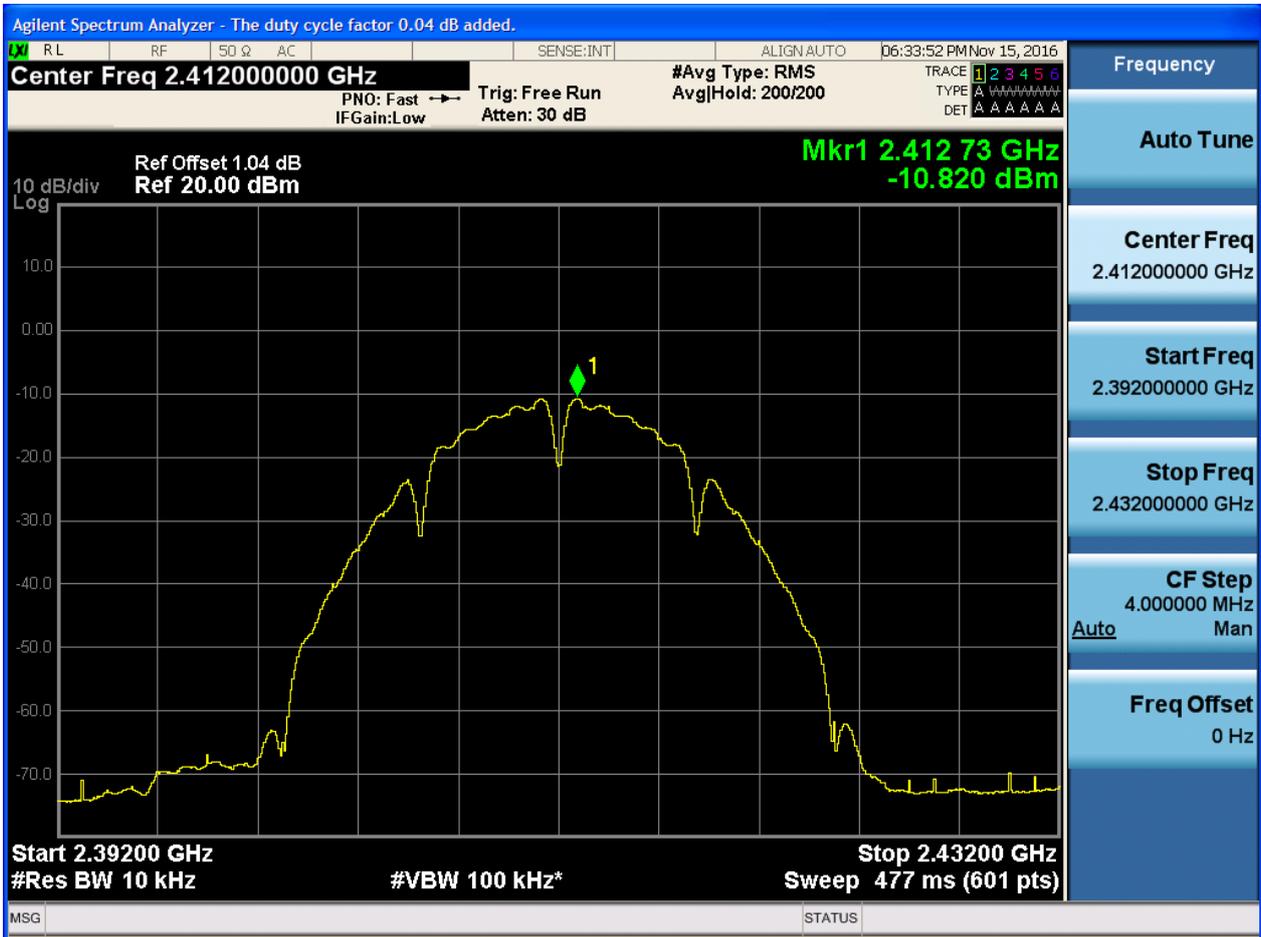


Test Mode	Test Channel	Frequency[MHz]	Ant	PD[MHz]	Verdict
11N40m	L	2422	Ant sum	-18.83	pass
11N40m	M	2437	Ant 1	-20.85	pass
11N40m	M	2437	Ant 2	-21.64	pass
11N40m	M	2437	Ant sum	-18.22	pass
11N40m	H	2452	Ant 1	-21.07	pass
11N40m	H	2452	Ant 2	-21.26	pass
11N40m	H	2452	Ant sum	-18.15	pass



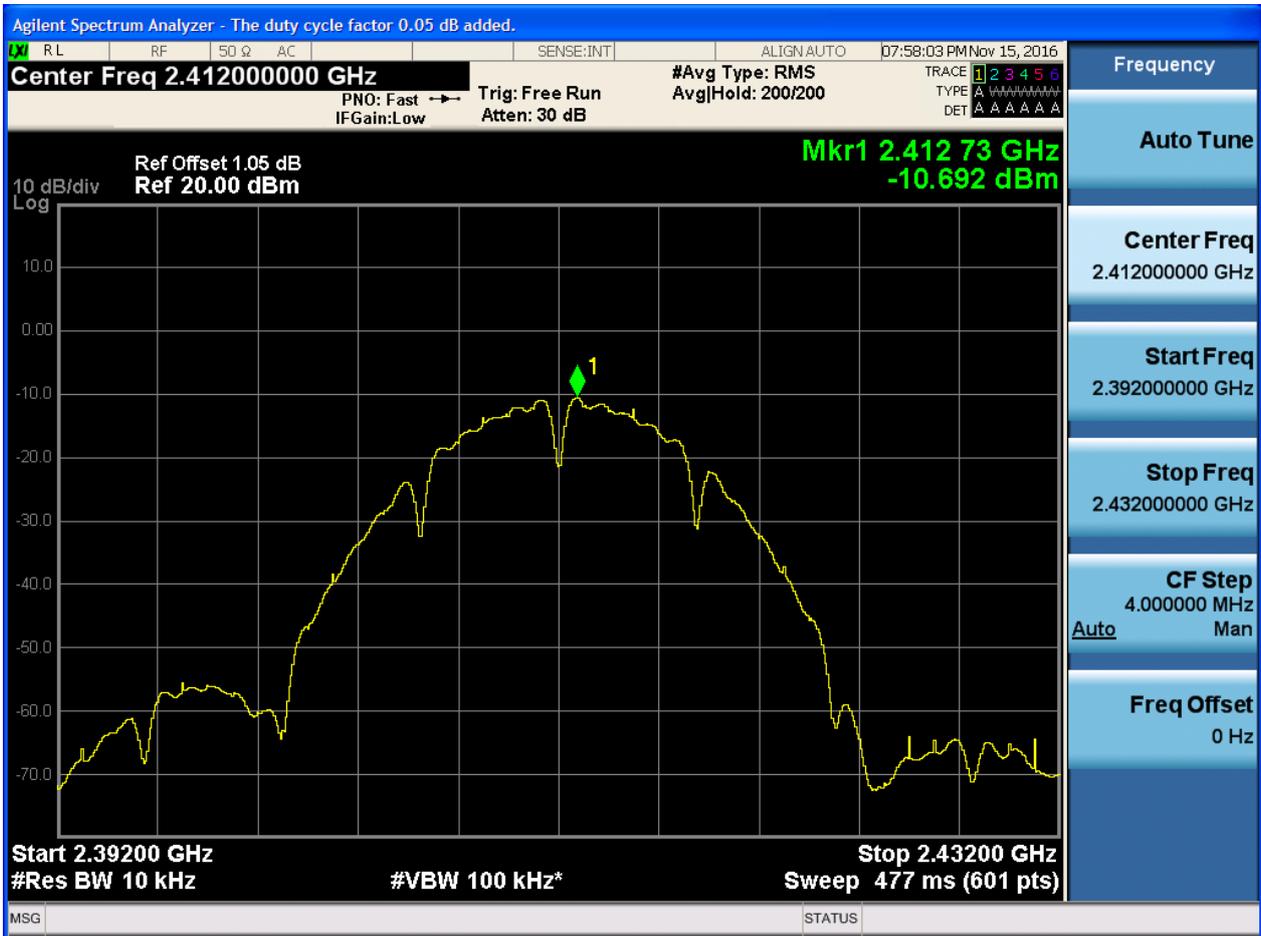
Part II - Test Plots

2.1 11B_L@Ant 1





2.2 11B_L@Ant 2





2.3 11B_M@Ant 1

