



Appendix for Testreport

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

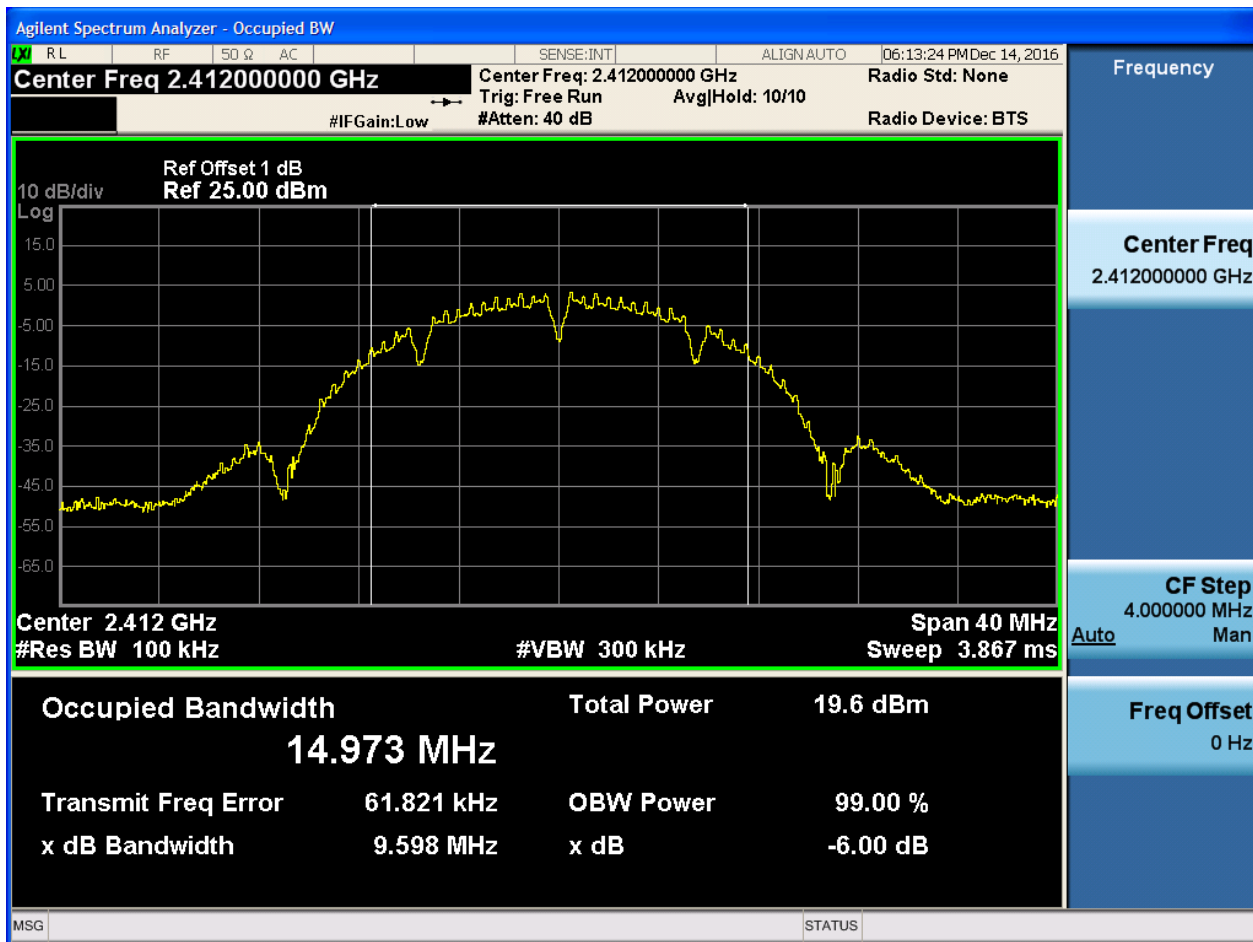
Test Mode	Test Channel	Frequency[MHz]	Ant	DTS6dBBW[MHz]	Verdict
11B	L	2412	Ant 1	9.59	pass
11B	L	2412	Ant 2	9.57	pass
11B	M	2427	Ant 1	10.03	pass
11B	M	2427	Ant 2	9.62	pass
11B	H	2442	Ant 1	9.60	pass
11B	H	2442	Ant 2	9.60	pass
11G	L	2412	Ant 1	16.38	pass
11G	L	2412	Ant 2	16.35	pass
11G	M	2427	Ant 1	16.38	pass
11G	M	2427	Ant 2	16.39	pass
11G	H	2442	Ant 1	16.37	pass
11G	H	2442	Ant 2	15.96	pass
11N20	L	2412	Ant 1	17.42	pass
11N20	L	2412	Ant 2	17.37	pass
11N20	M	2427	Ant 1	17.62	pass
11N20	M	2427	Ant 2	17.65	pass
11N20	H	2442	Ant 1	17.60	pass
11N20	H	2442	Ant 2	16.97	pass
11N20m	L	2412	Ant 1	16.49	pass
11N20m	L	2412	Ant 2	17.61	pass
11N20m	M	2427	Ant 1	17.60	pass
11N20m	M	2427	Ant 2	17.66	pass
11N20m	H	2442	Ant 1	17.62	pass
11N20m	H	2442	Ant 2	17.59	pass
11N40	L	2422	Ant 1	35.56	pass
11N40	L	2422	Ant 2	35.37	pass
11N40	M	2427	Ant 1	35.86	pass
11N40	M	2427	Ant 2	36.16	pass



Test Mode	Test Channel	Frequency[MHz]	Ant	DTS6dBBW[MHz]	Verdict
11N40	H	2432	Ant 1	35.76	pass
11N40	H	2432	Ant 2	36.16	pass
11N40m	L	2422	Ant 1	35.46	pass
11N40m	L	2422	Ant 2	35.30	pass
11N40m	M	2427	Ant 1	35.54	pass
11N40m	M	2427	Ant 2	35.74	pass
11N40m	H	2432	Ant 1	35.59	pass
11N40m	H	2432	Ant 2	36.39	pass

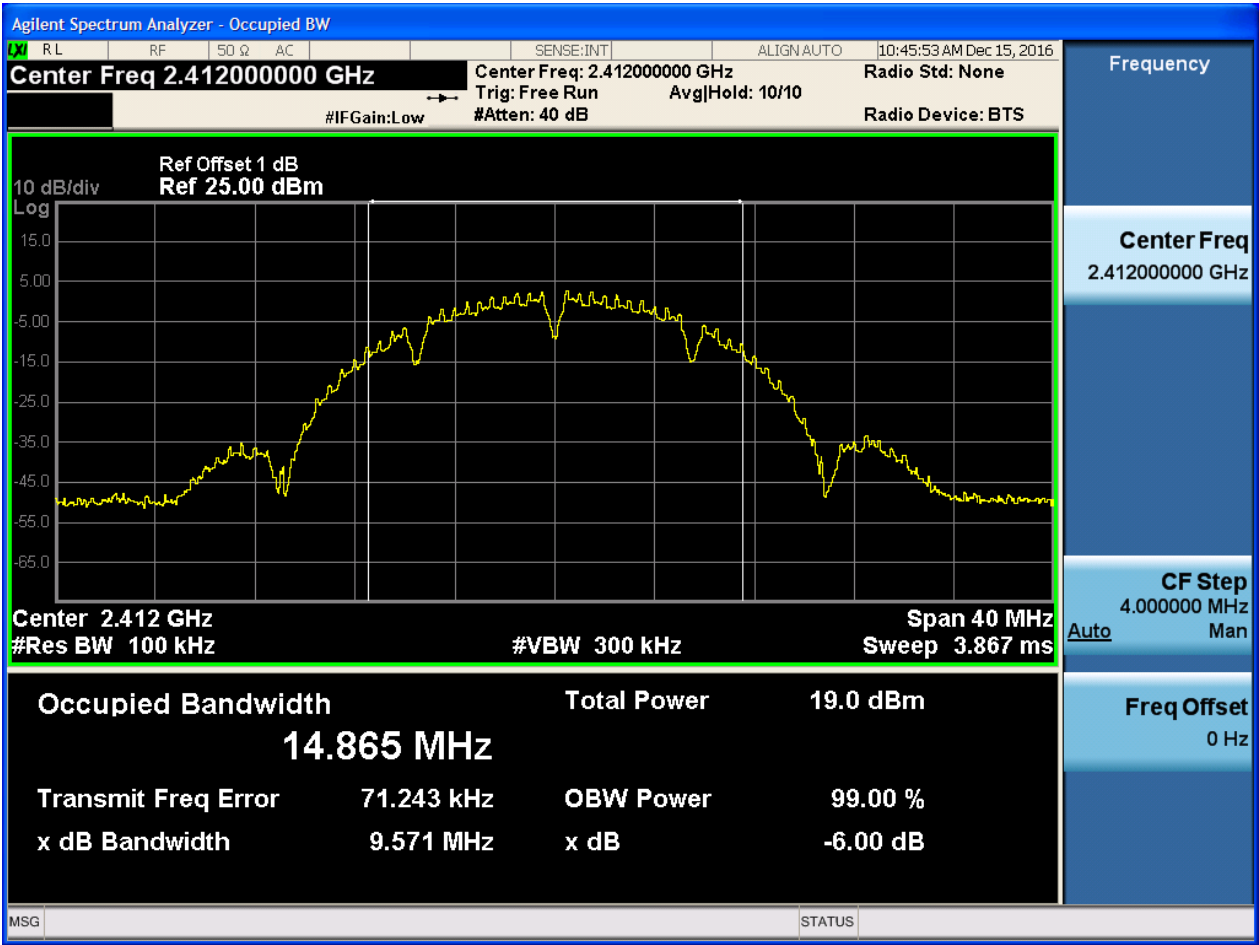
Part II - Test Plots

2.1 11B_L@Ant 1



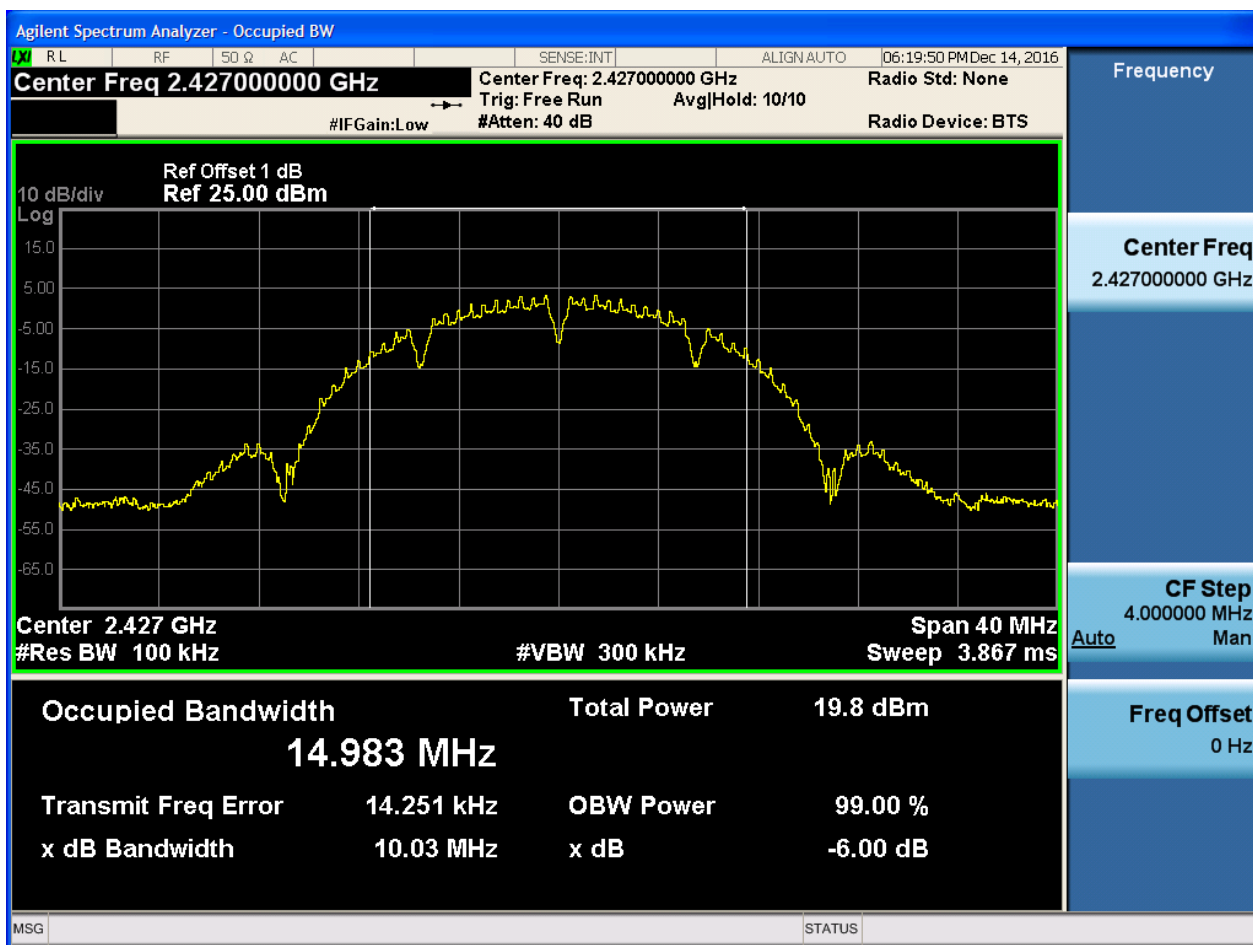


2.2 11B_L@Ant 2



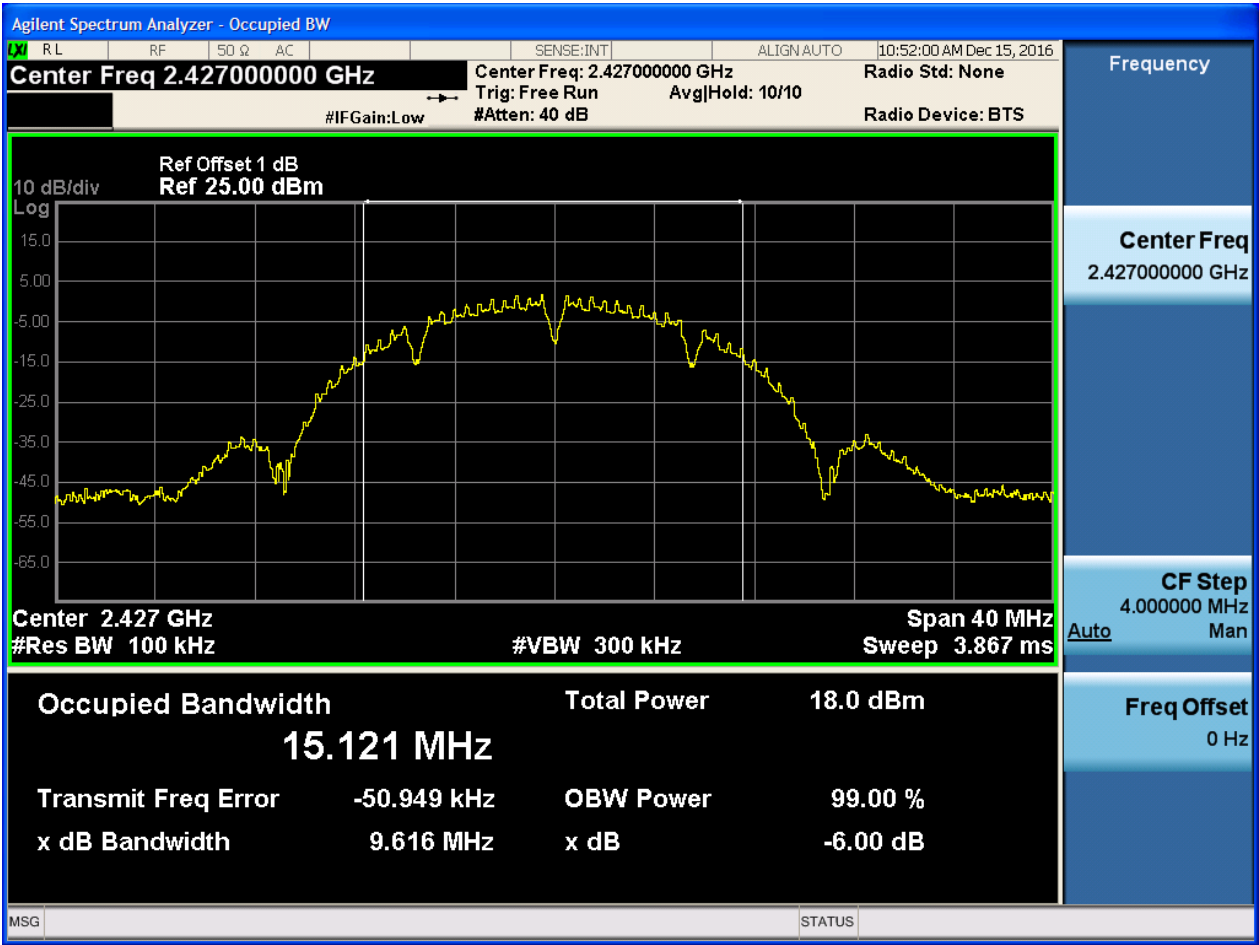


2.3 11B_M@Ant 1



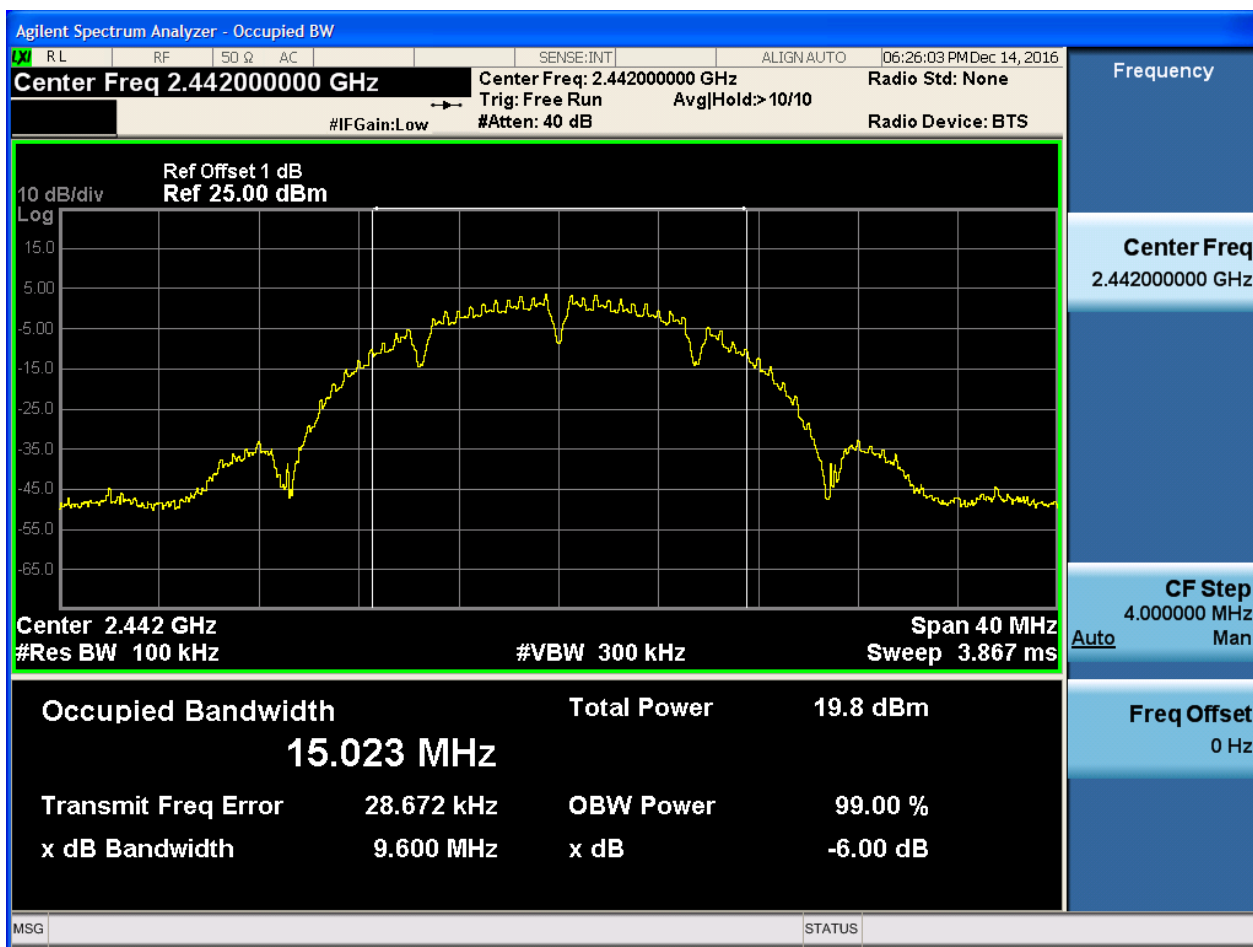


2.4 11B_M@Ant 2



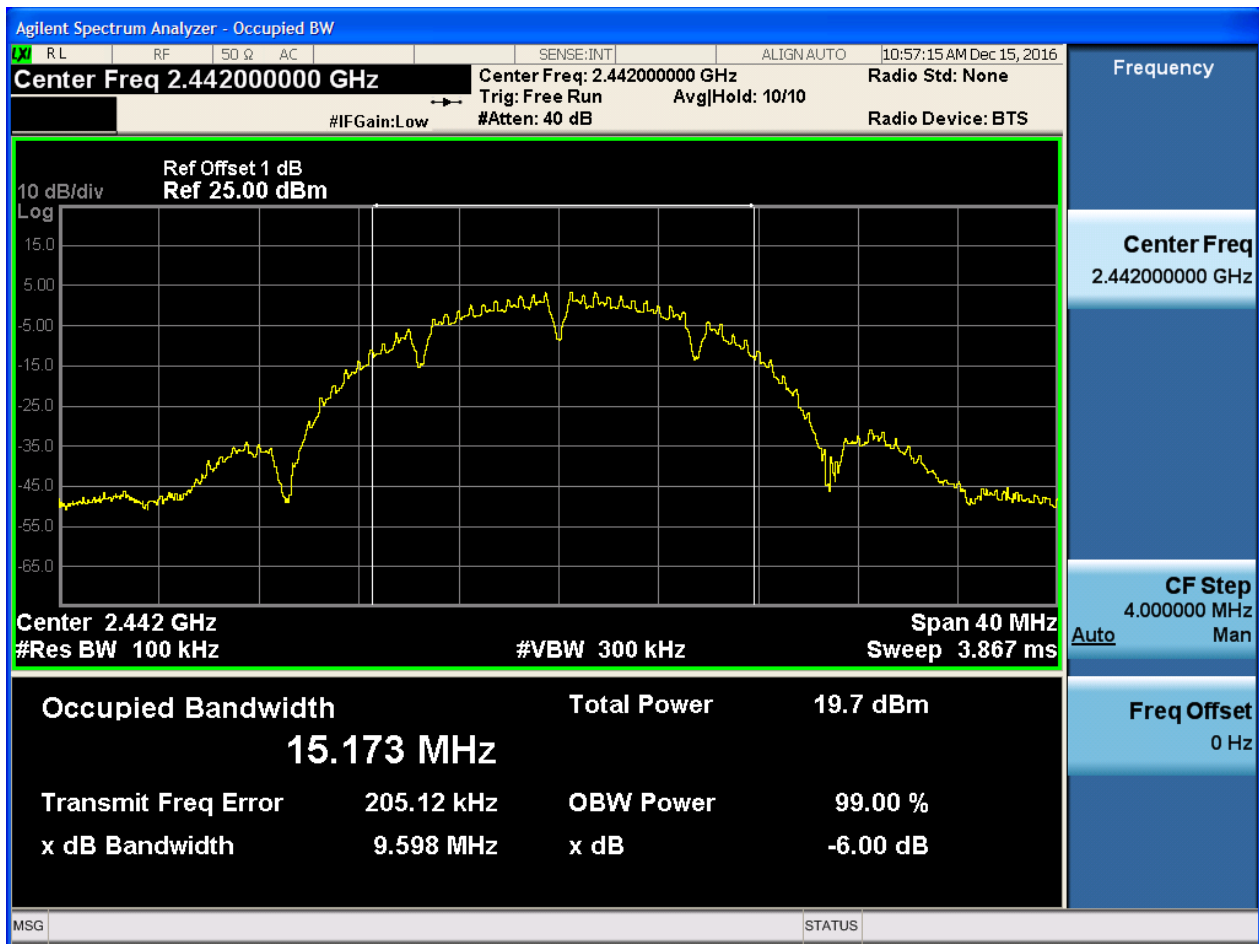


2.5 11B_H@Ant 1



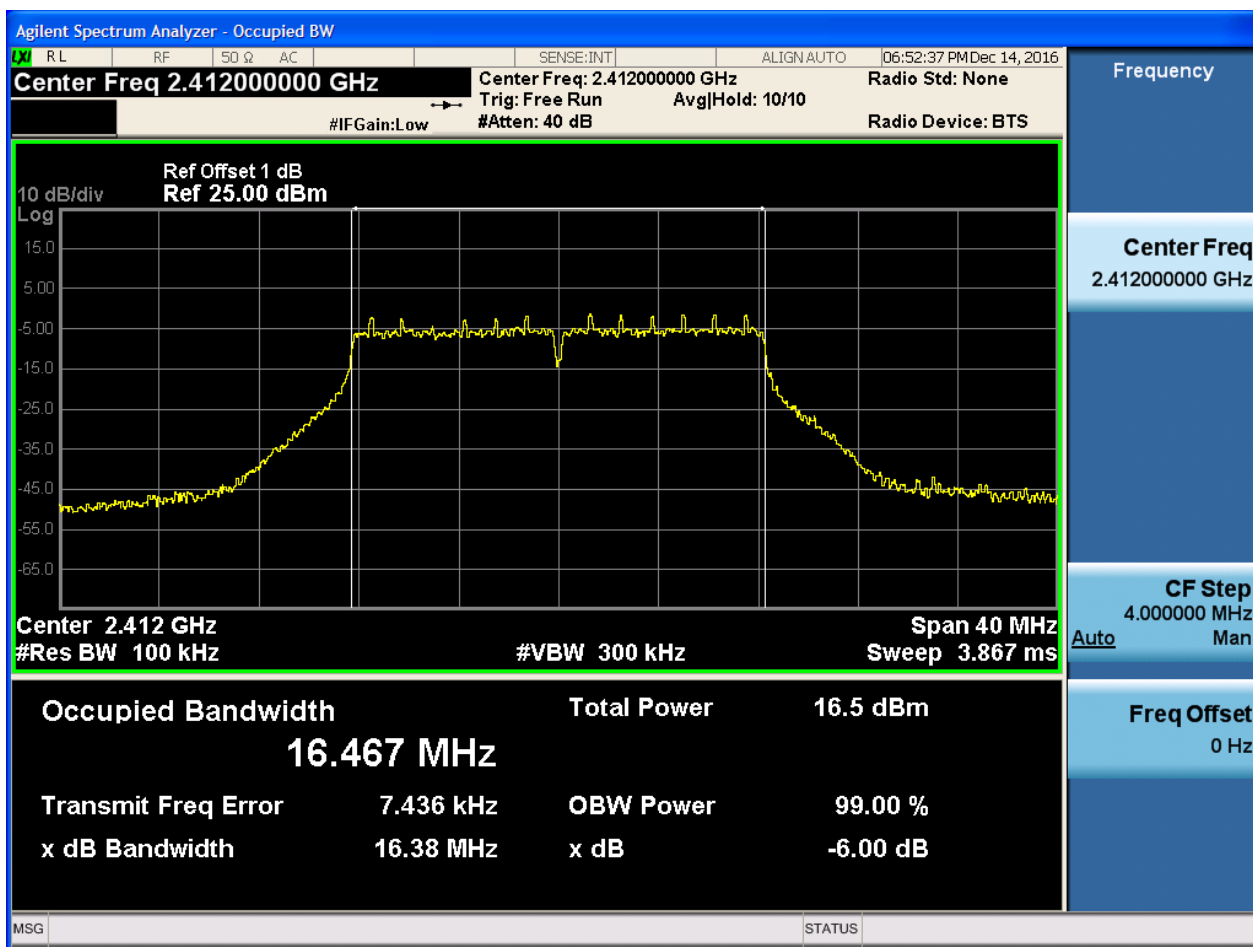


2.6 11B_H@Ant 2



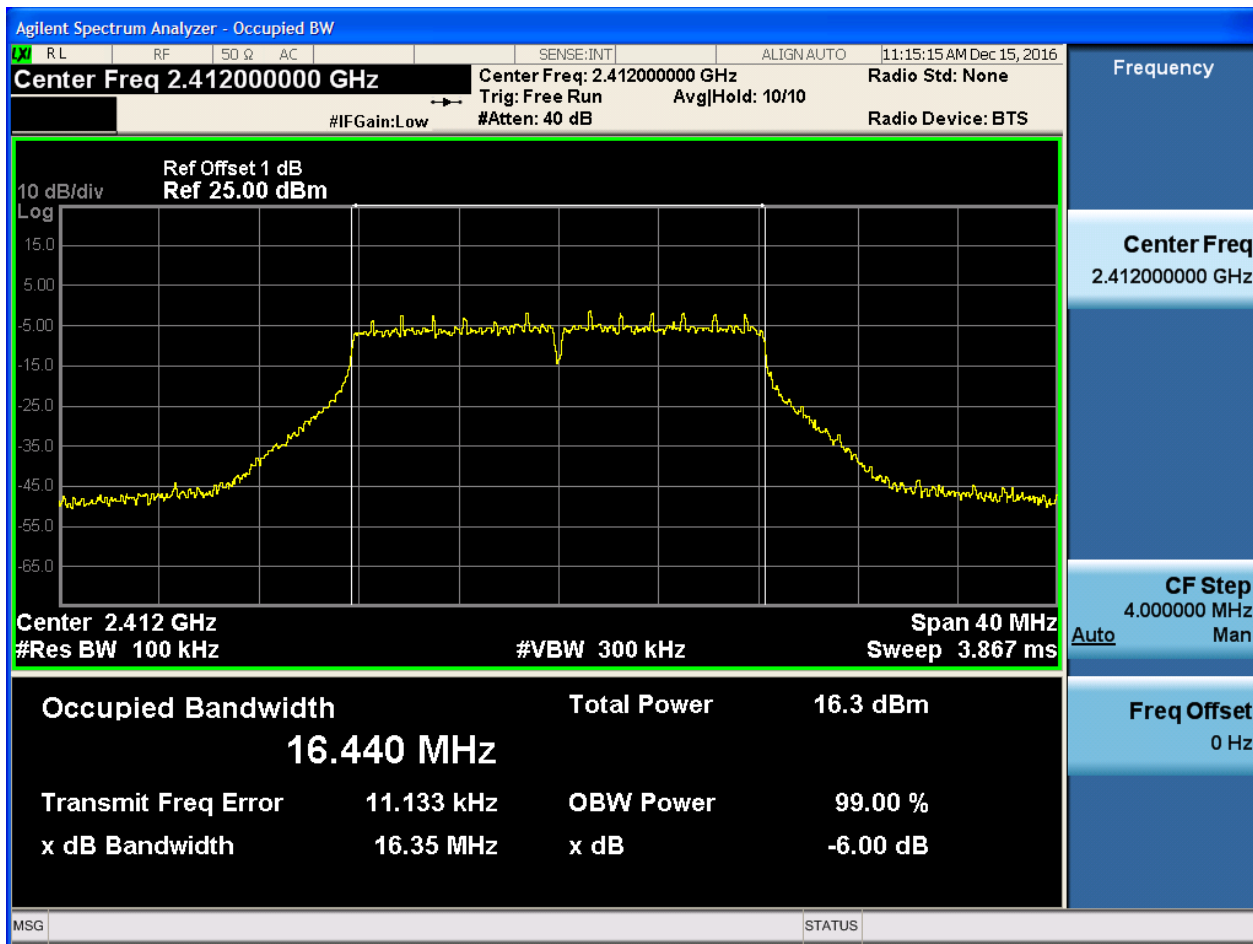


2.7 11G_L@Ant 1



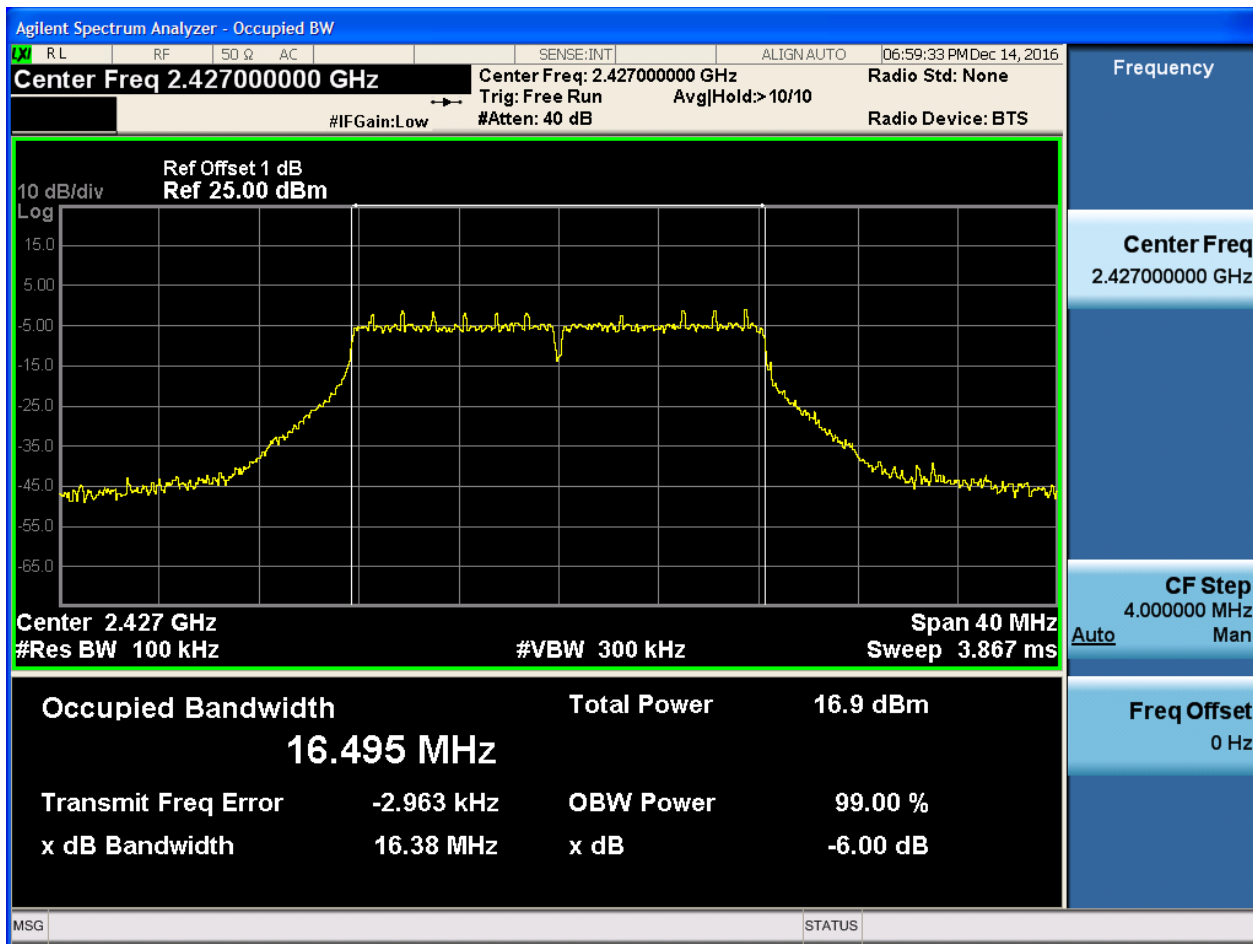


2.8 11G_L@Ant 2



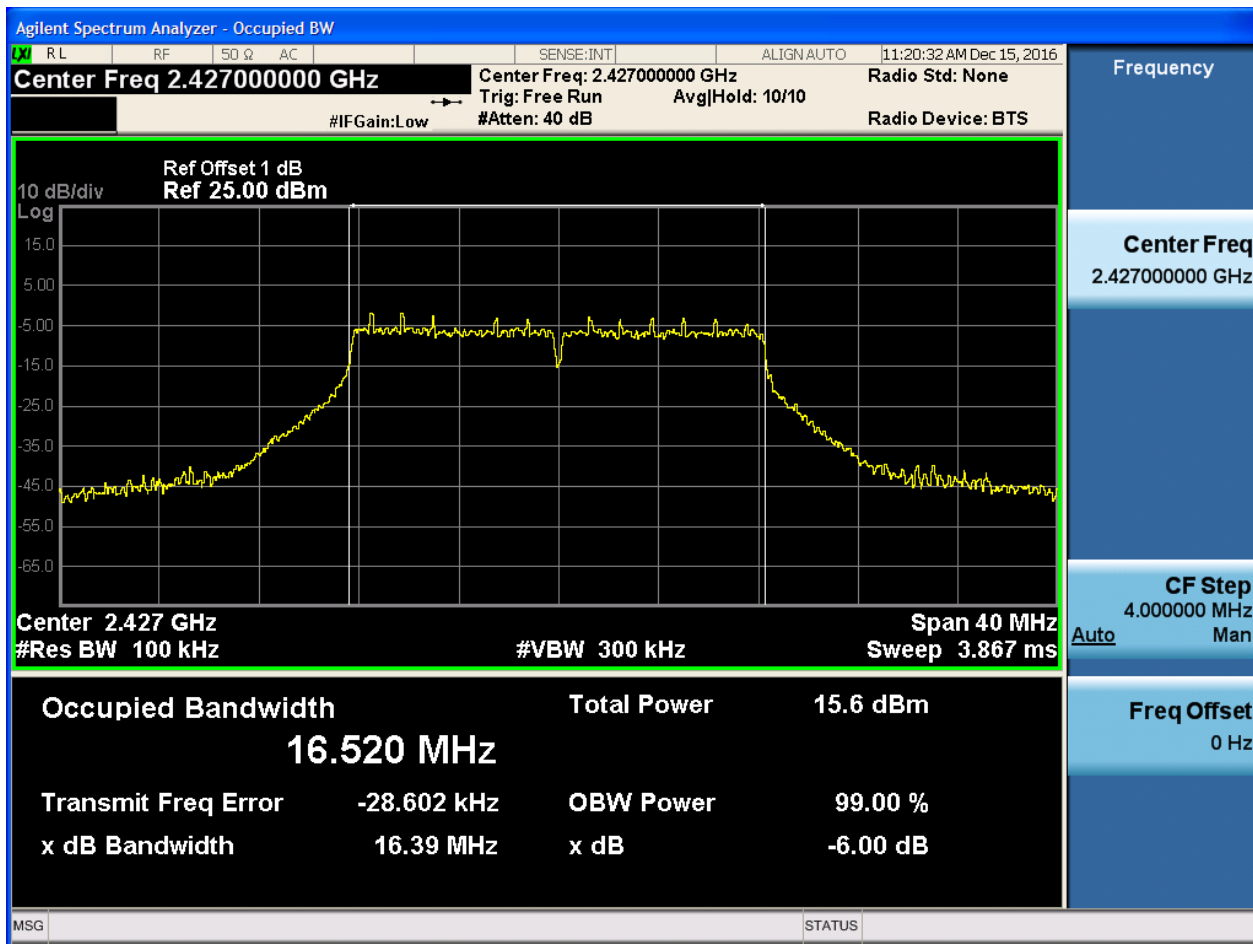


2.9 11G_M@Ant 1



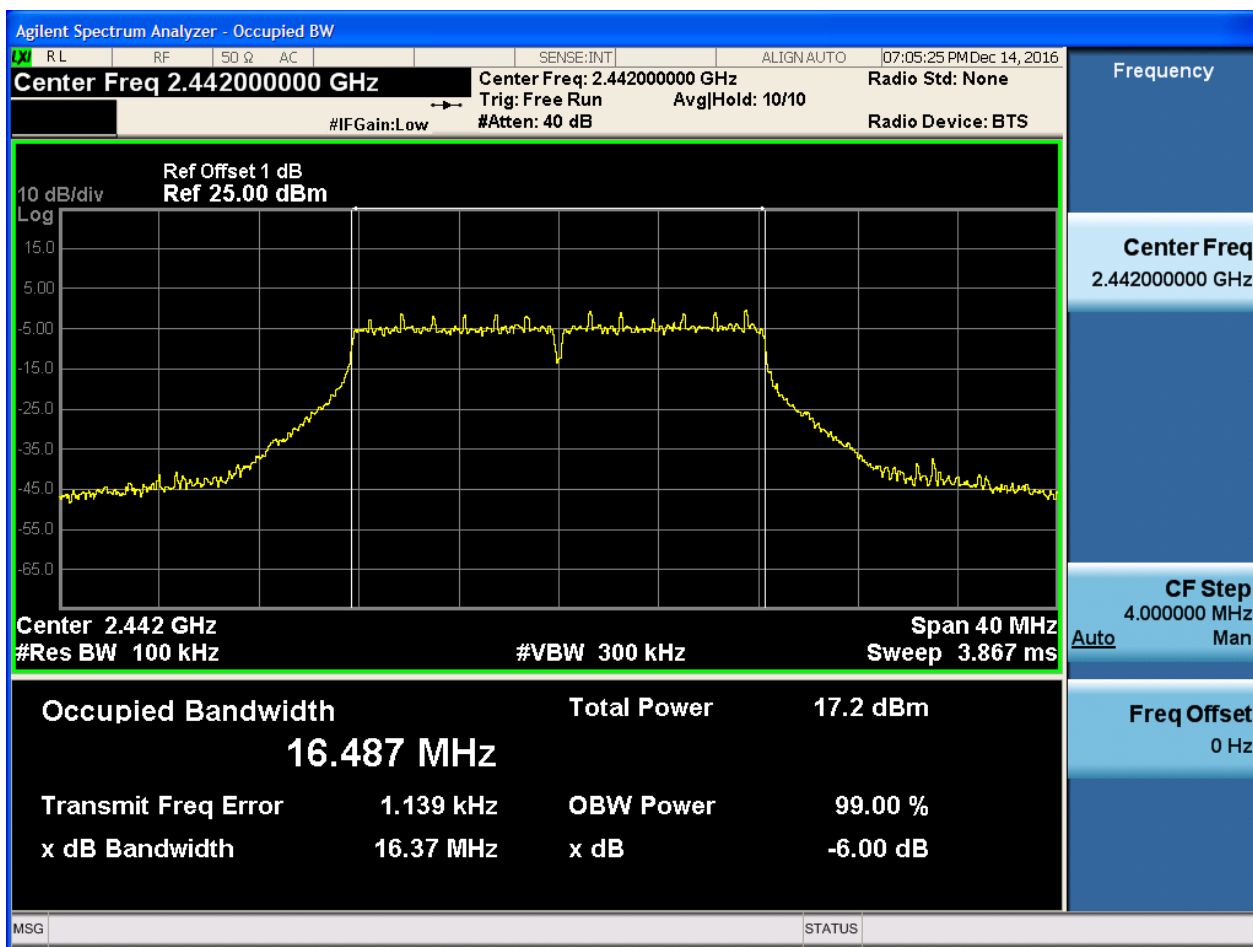


2.10 11G_M@Ant 2



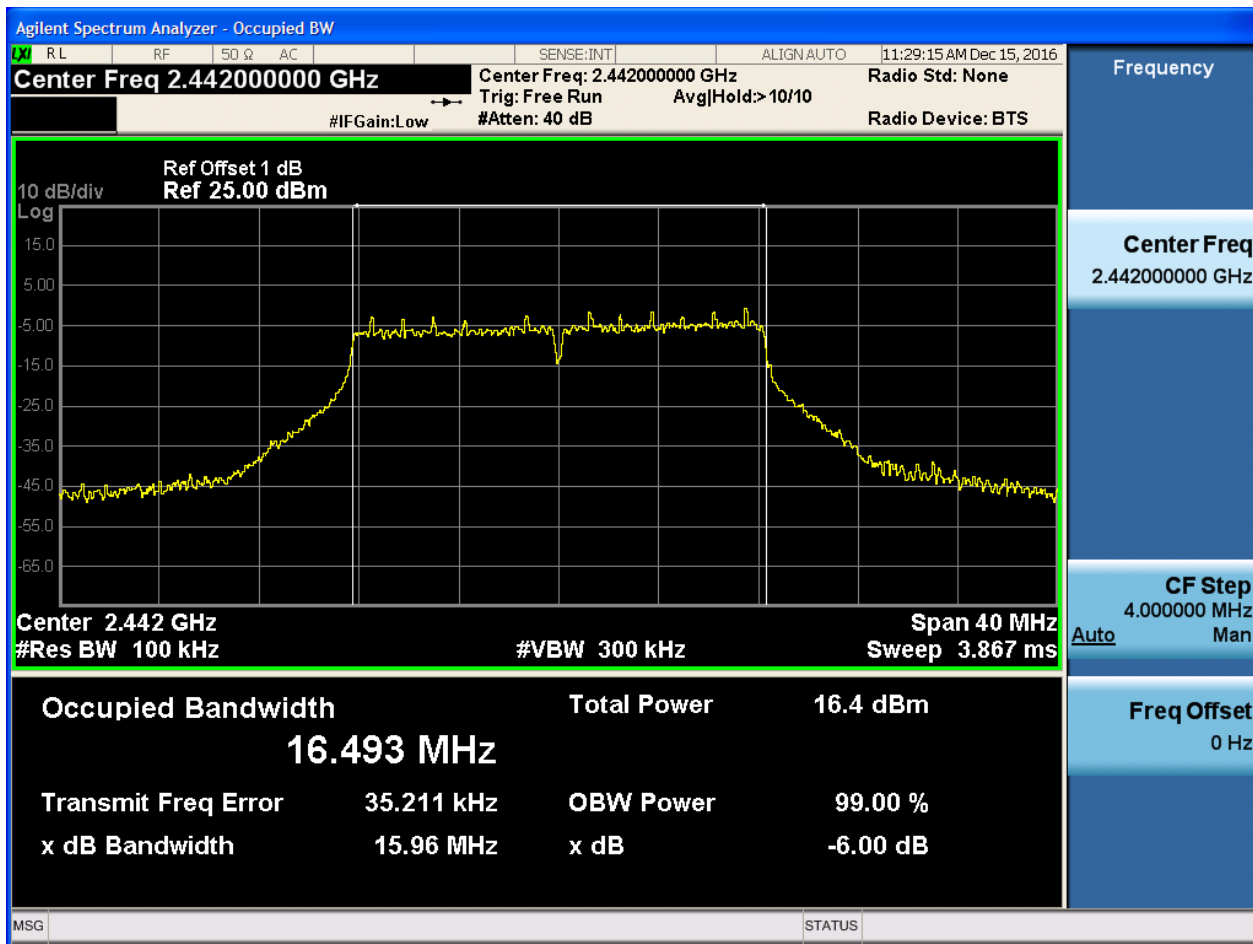


2.11 11G_H@Ant 1



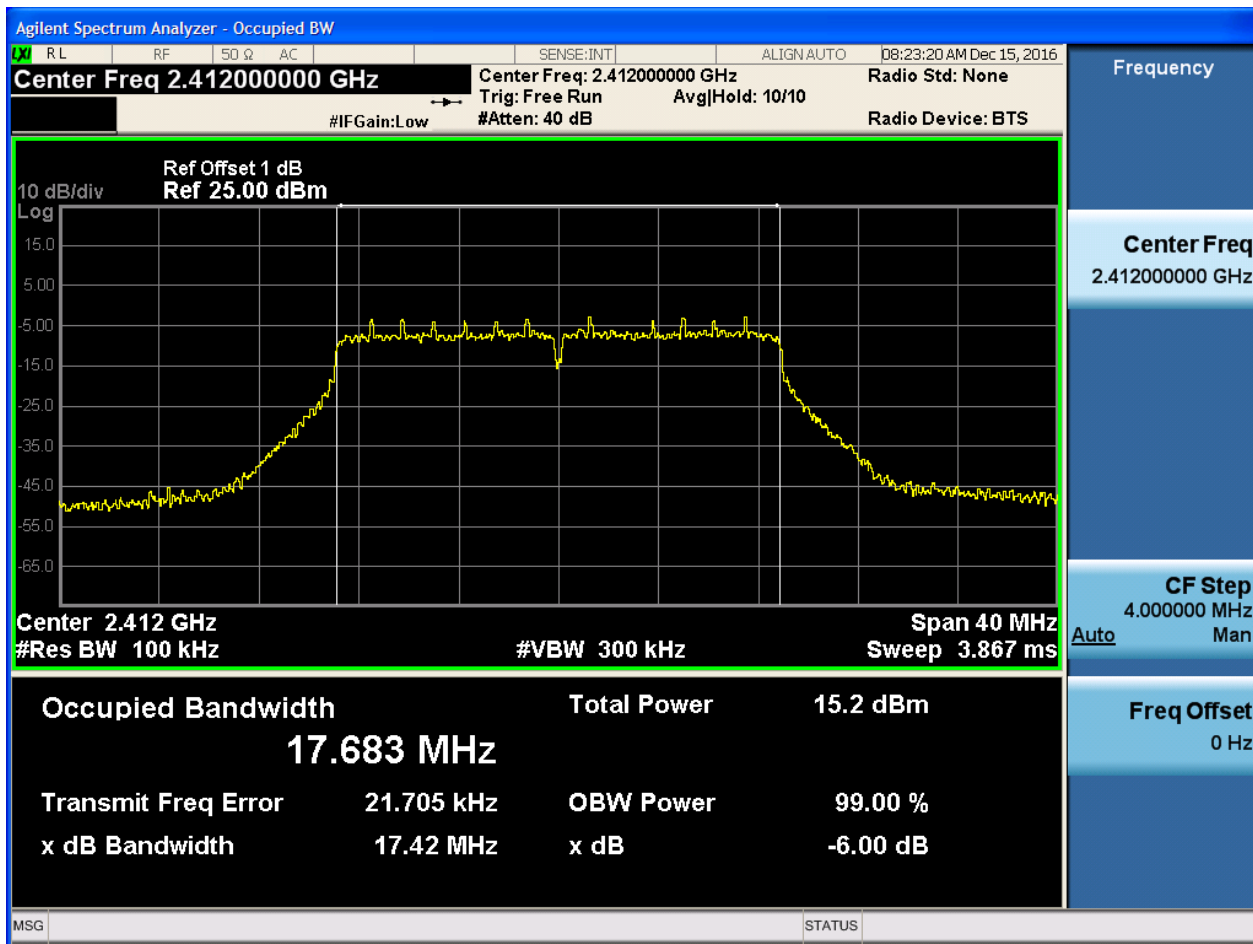


2.12 11G_H@Ant 2



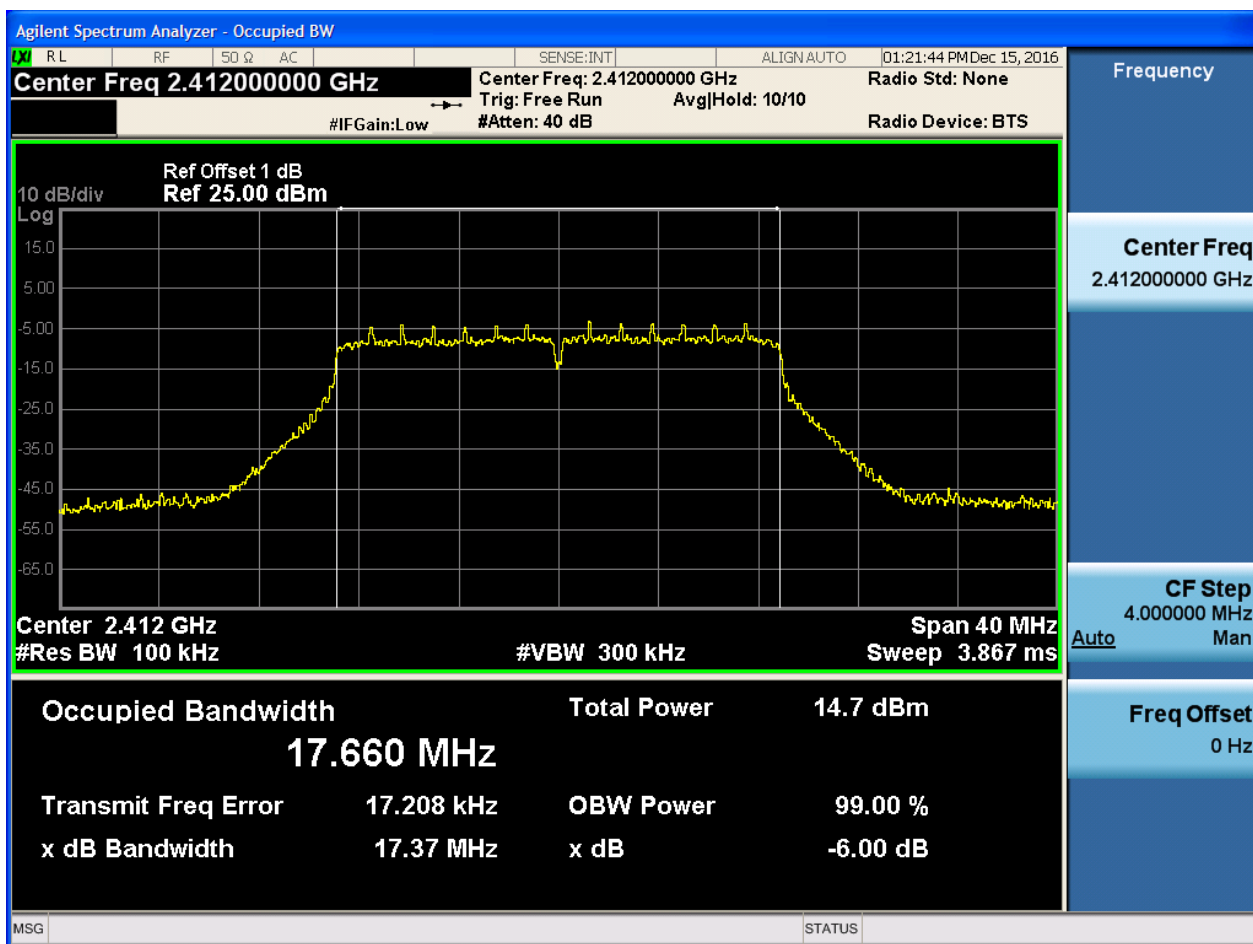


2.13 11N20_L@Ant 1



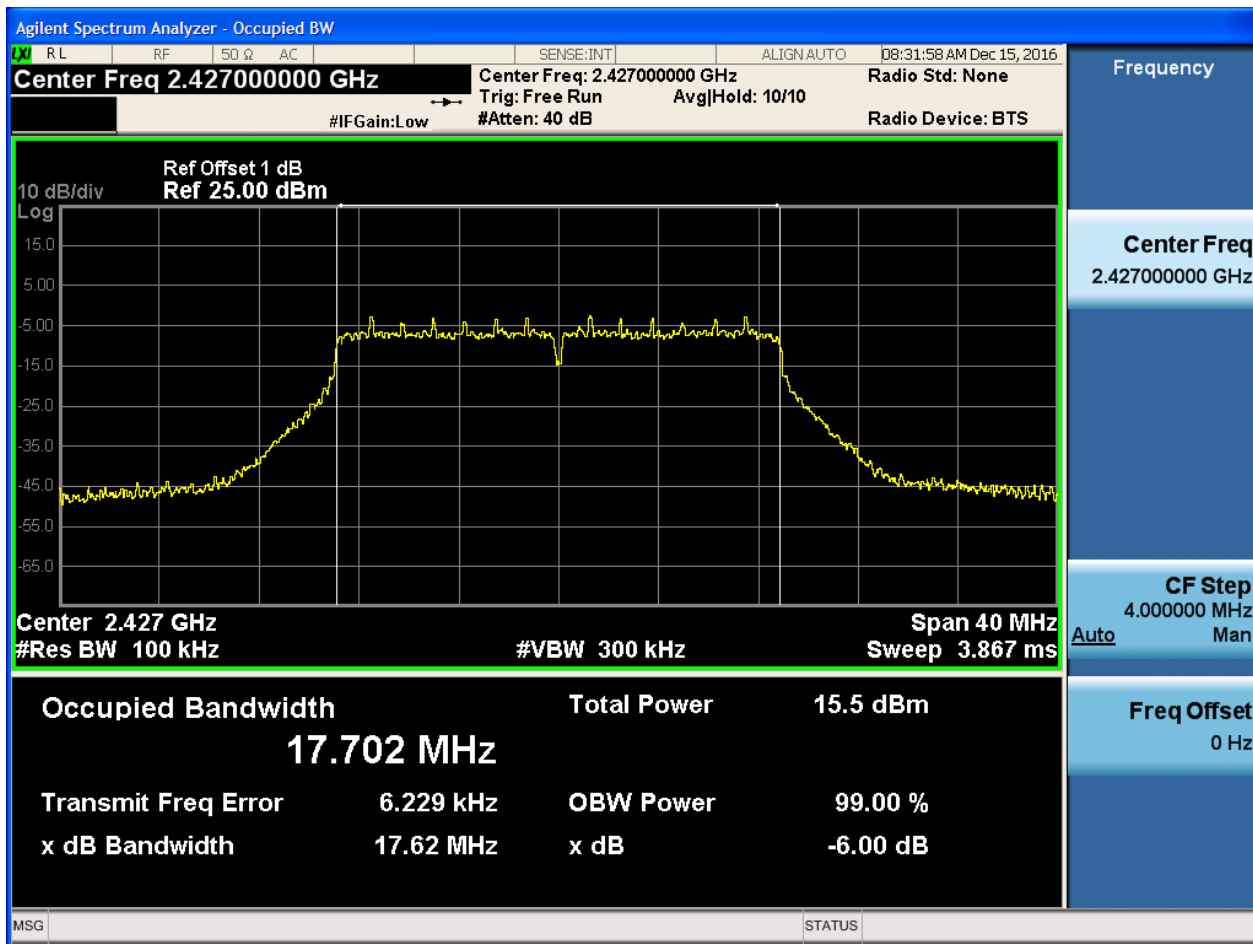


2.14 11N20_L@Ant 2

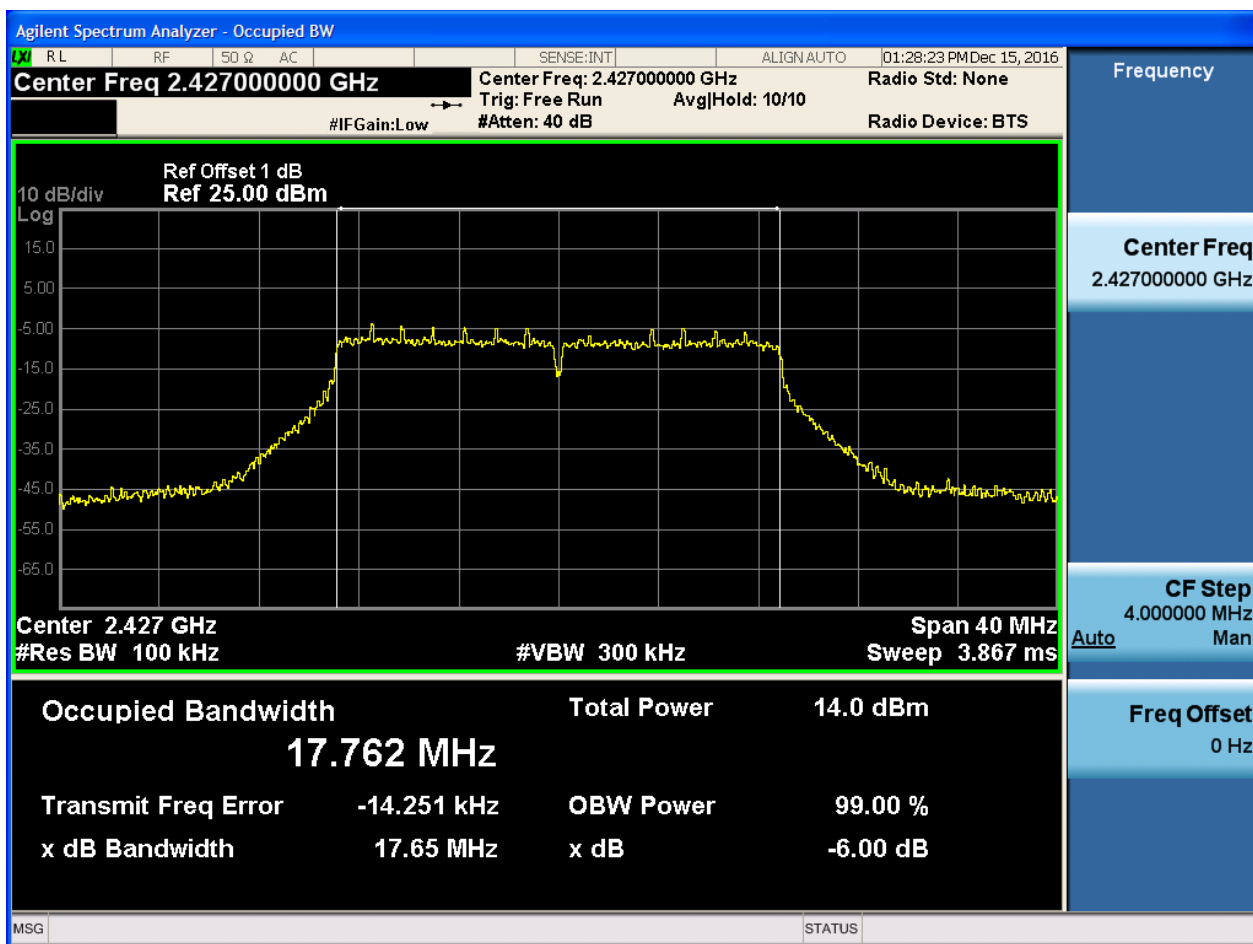




2.15 11N20_M@Ant 1

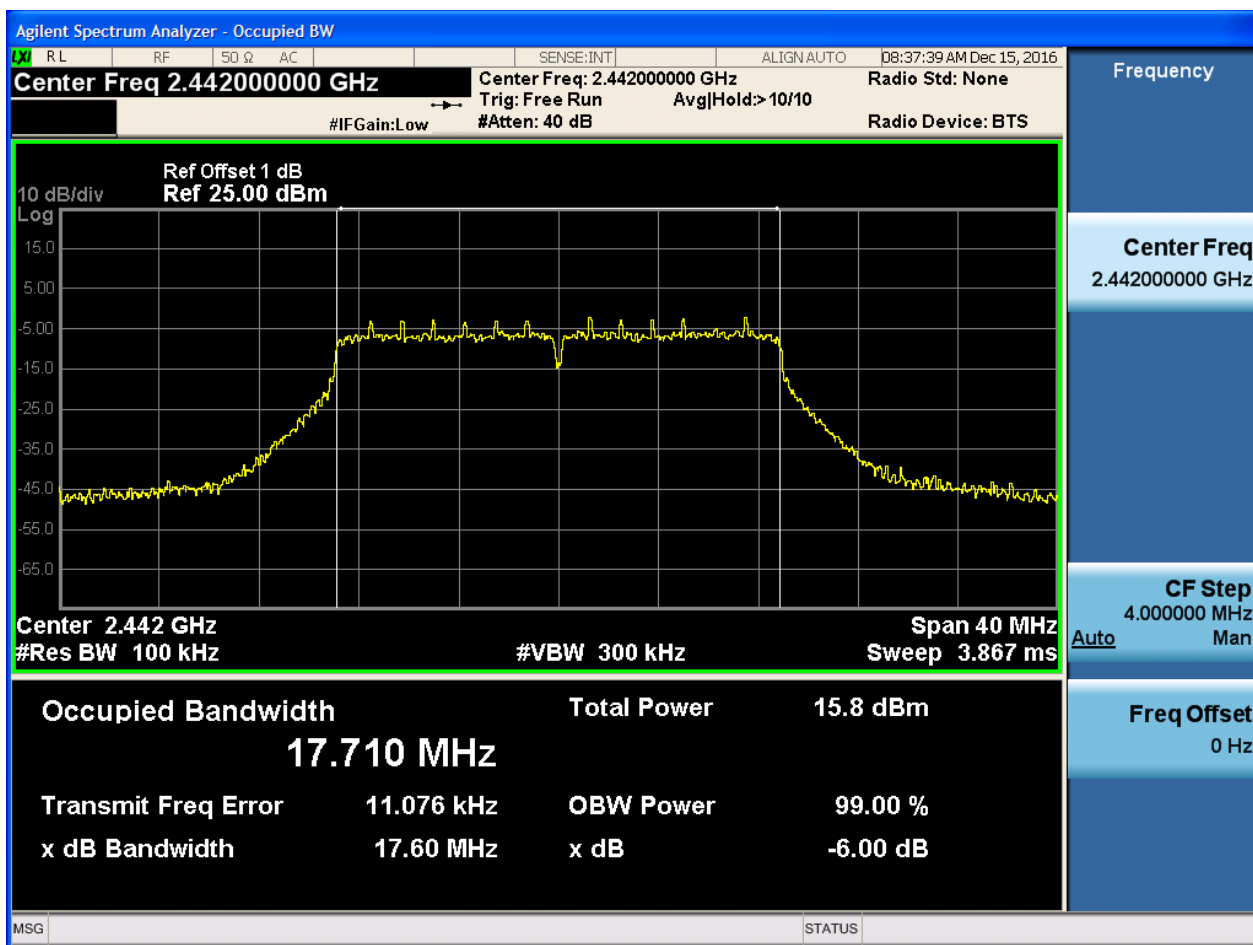


2.16 11N20_M@Ant 2



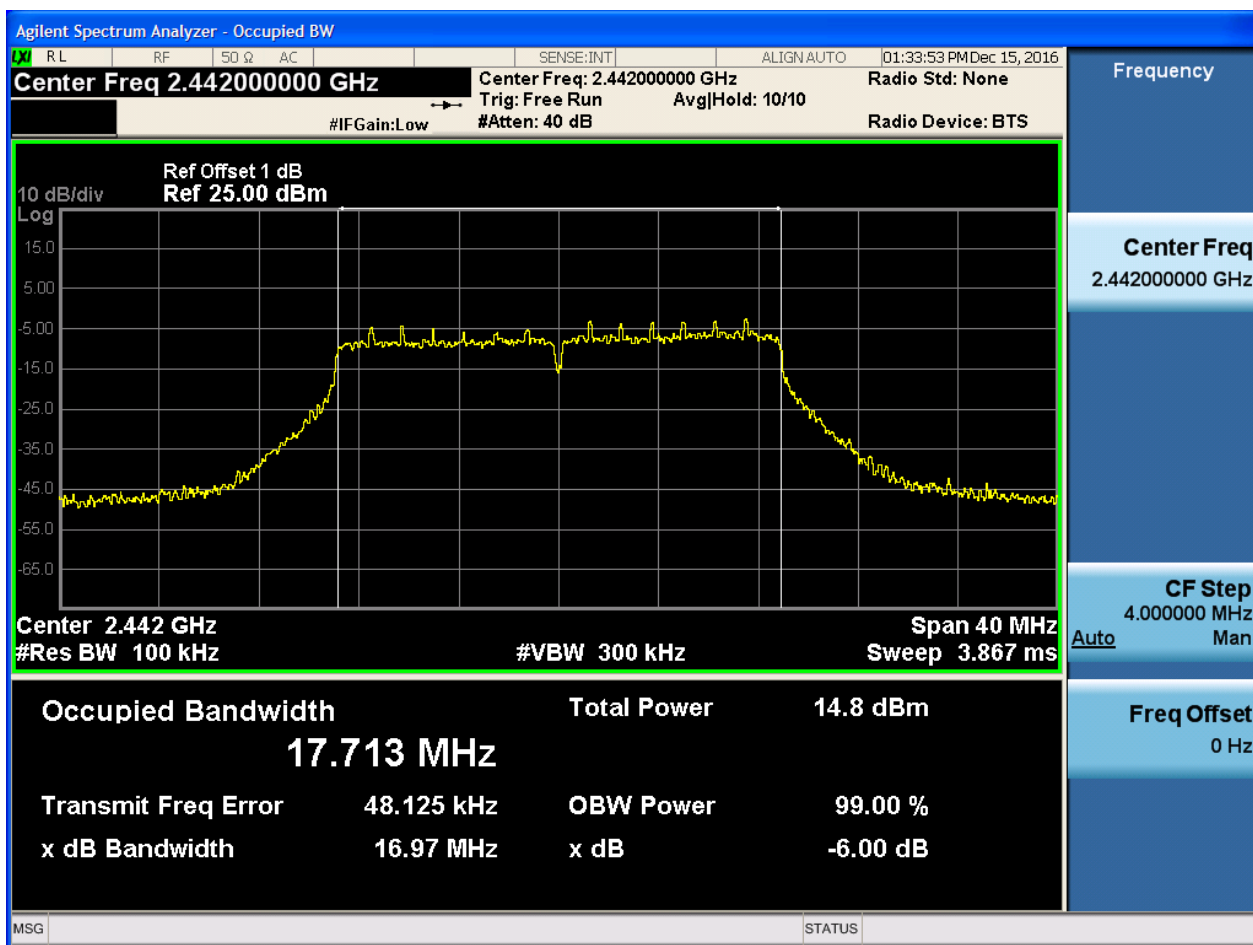


2.17 11N20_H@Ant 1



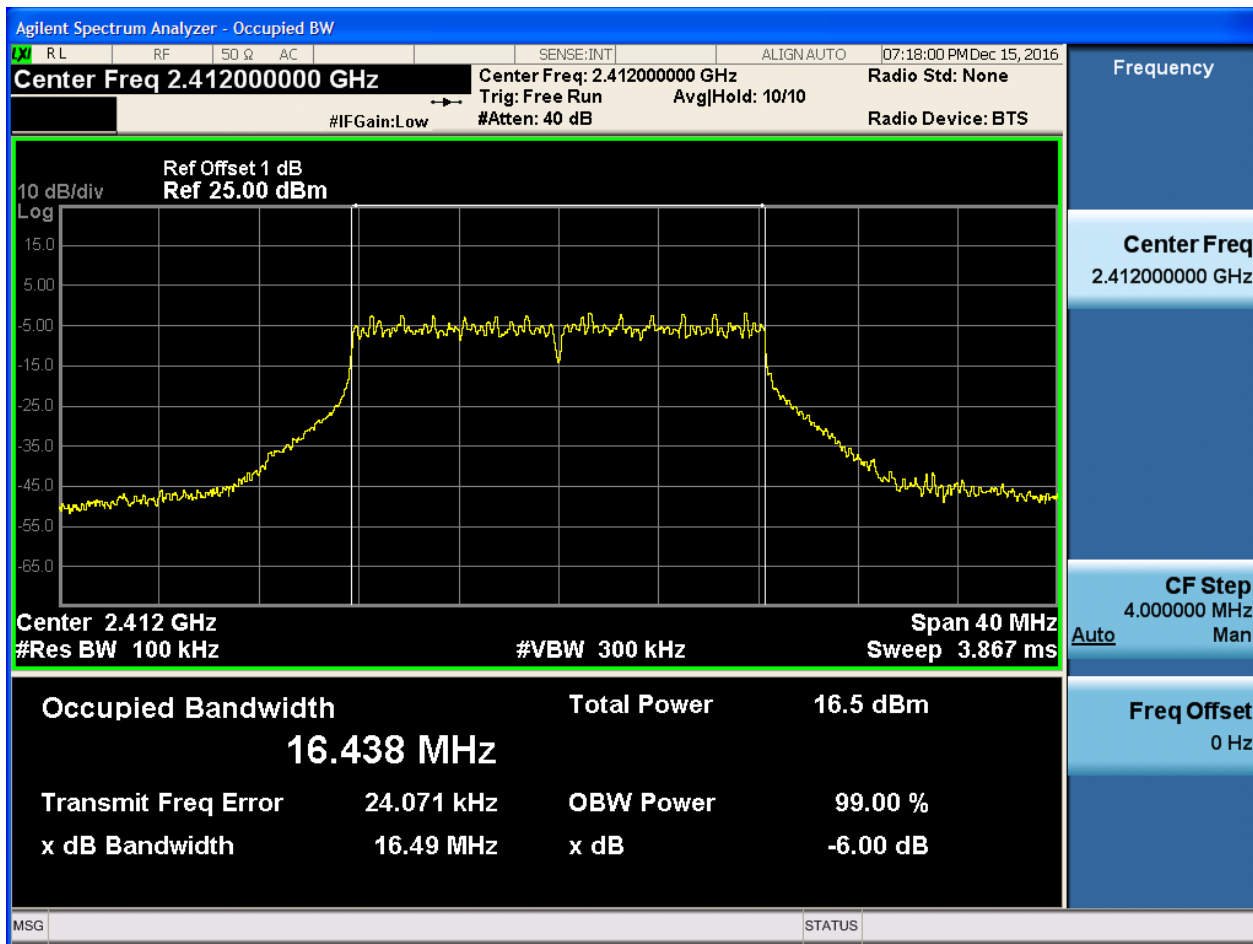


2.18 11N20_H@Ant 2



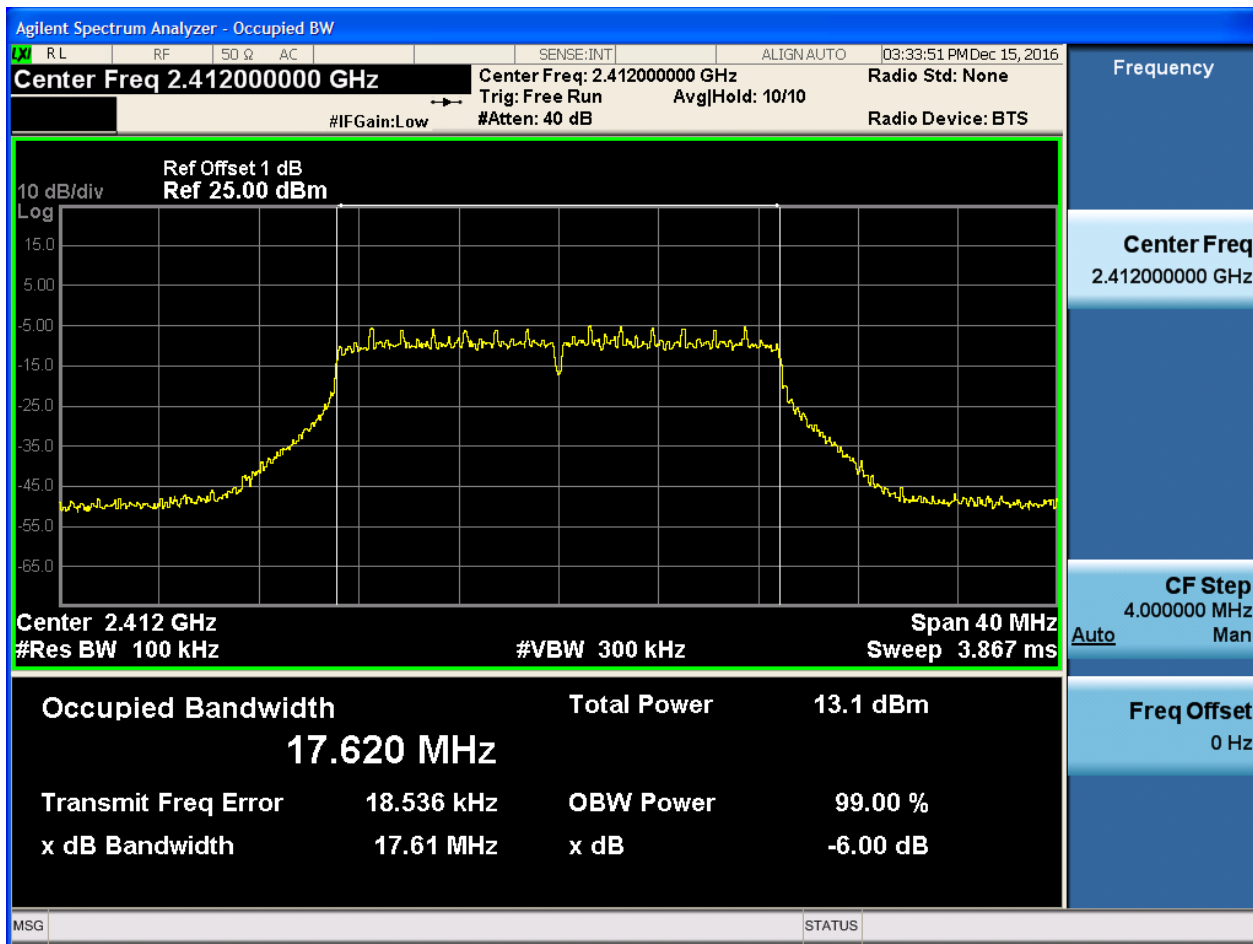


2.13 11N20m_L@Ant 1

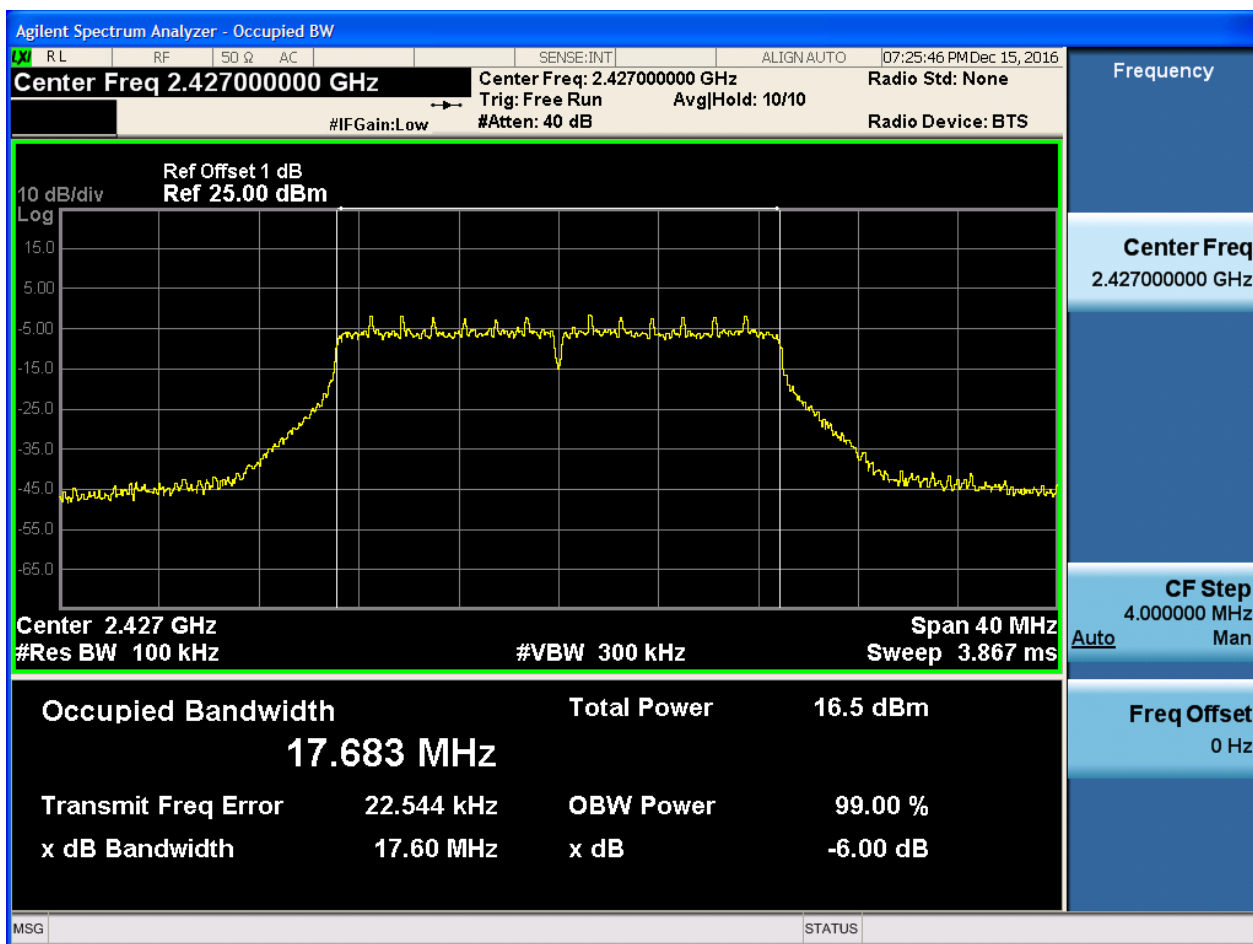




2.14 11N20m_L@Ant 2

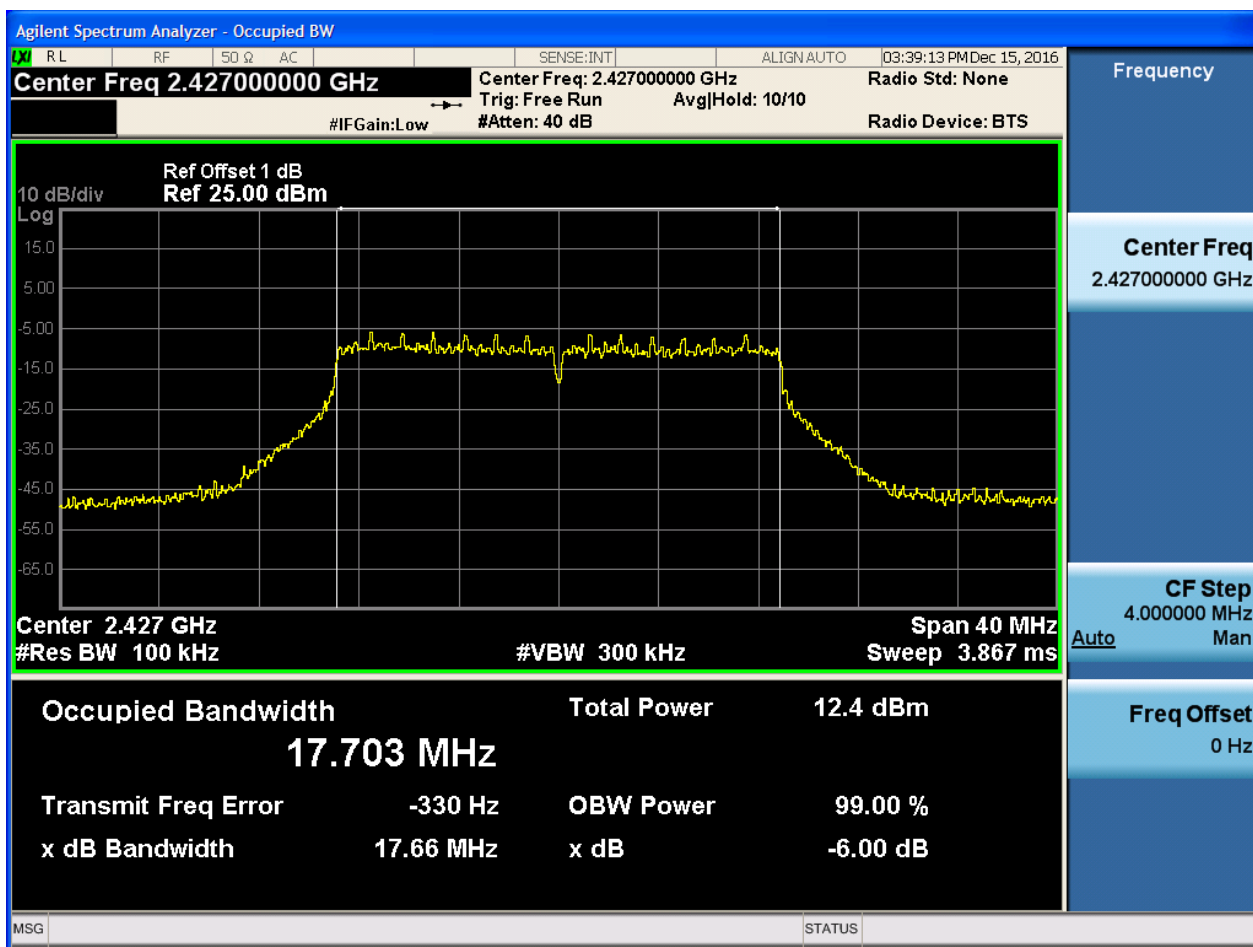


2.15 11N20m_M@Ant 1

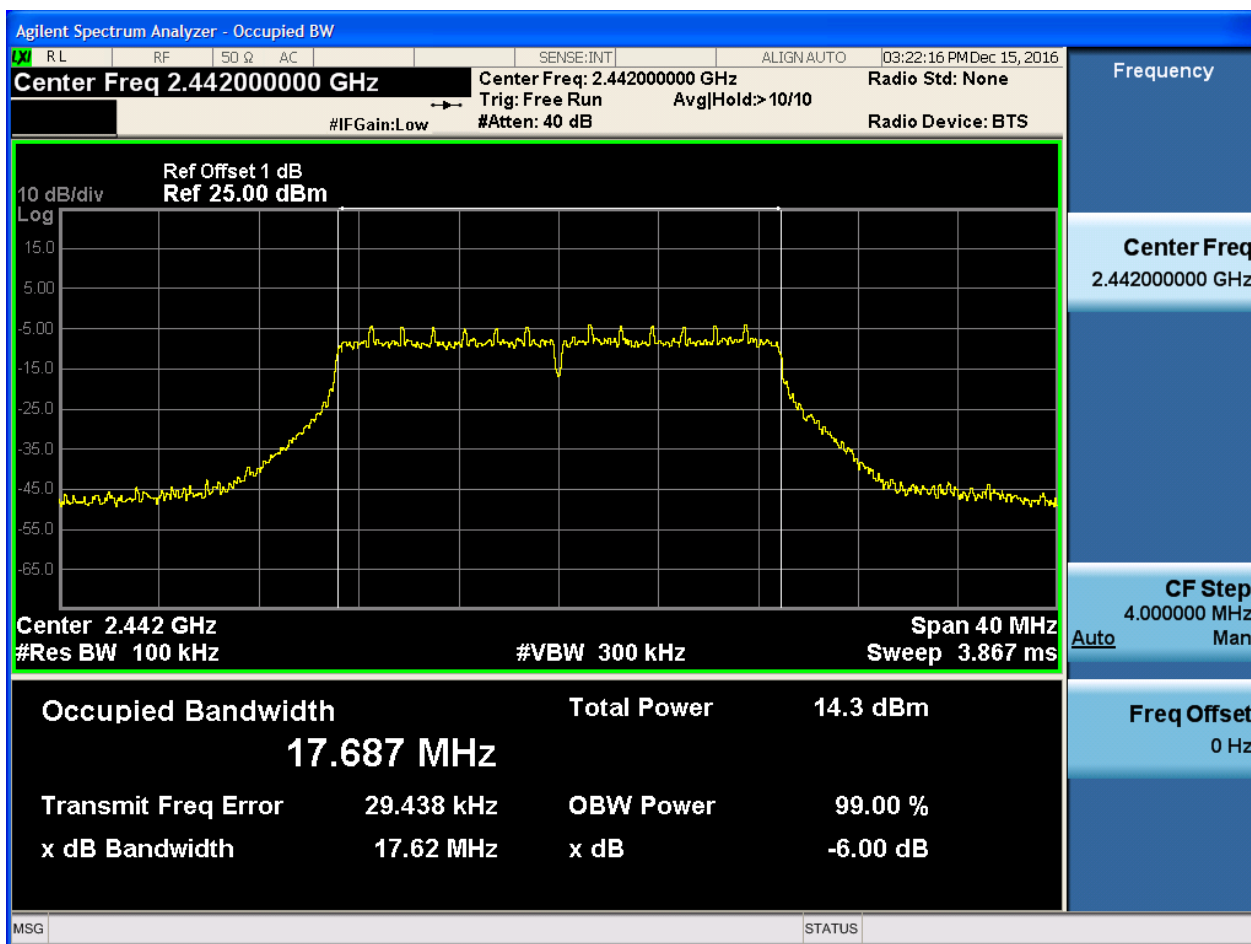




2.16 11N20m_M@Ant 2

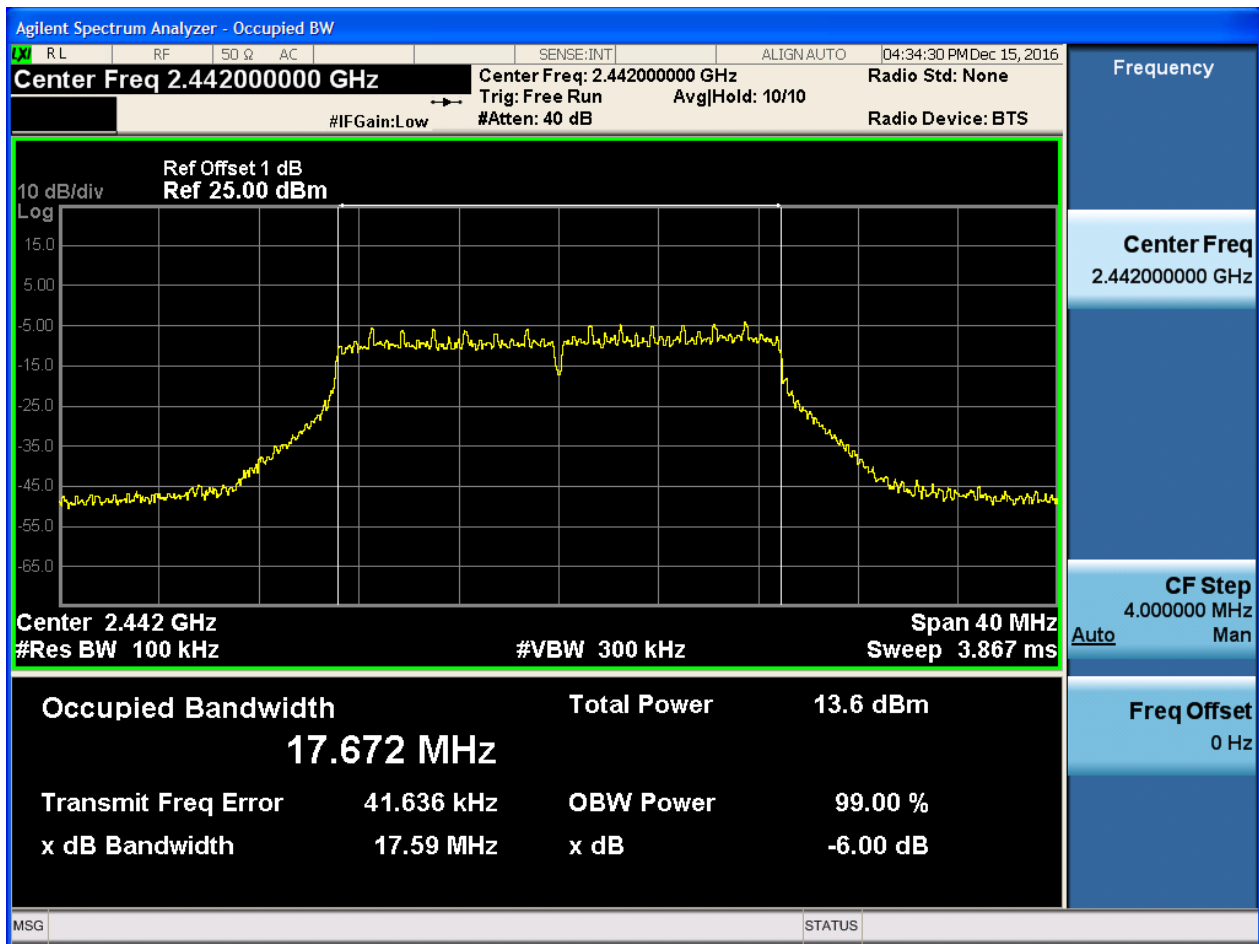


2.17 11N20m_H@Ant 1



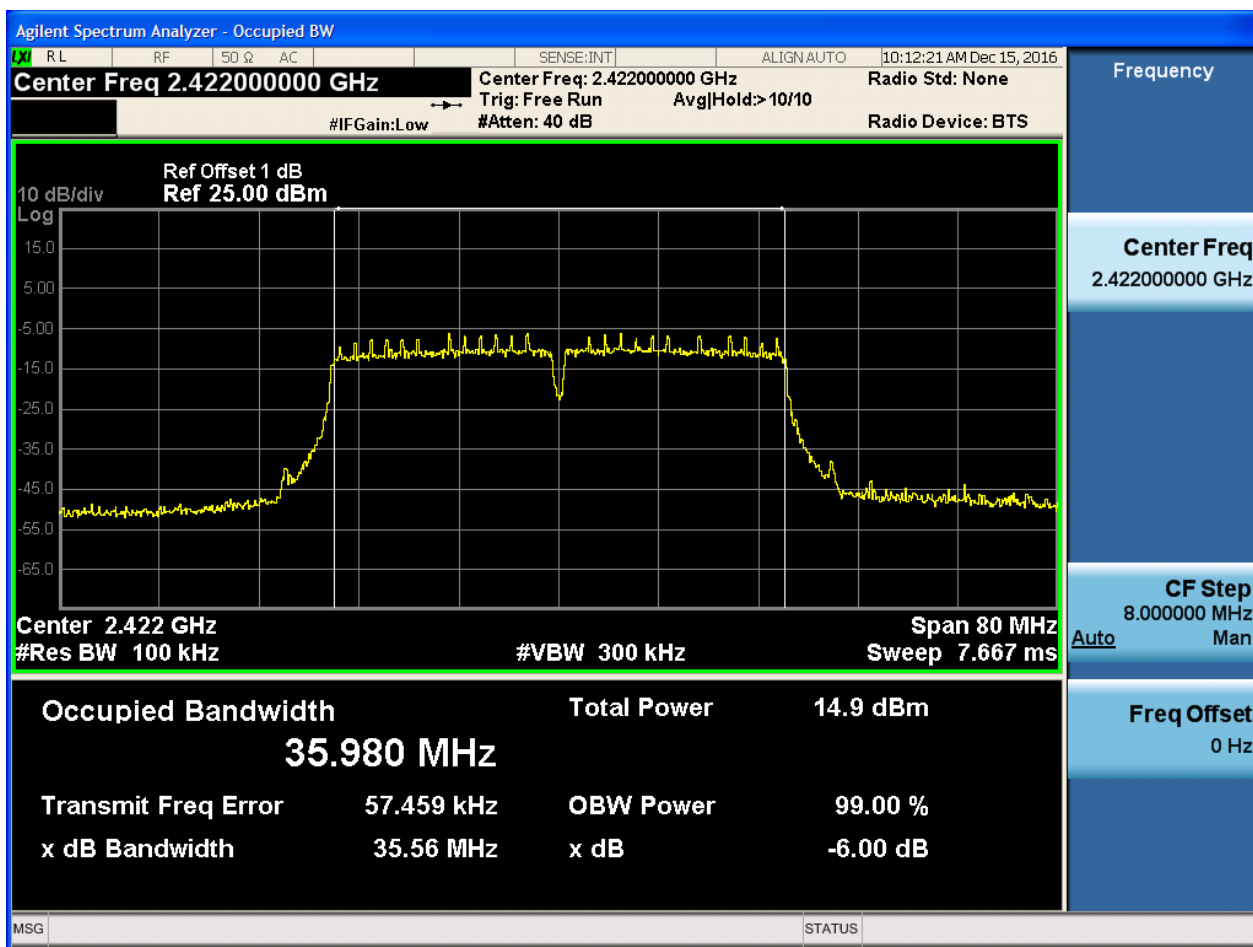


2.18 11N20m_H@Ant 2



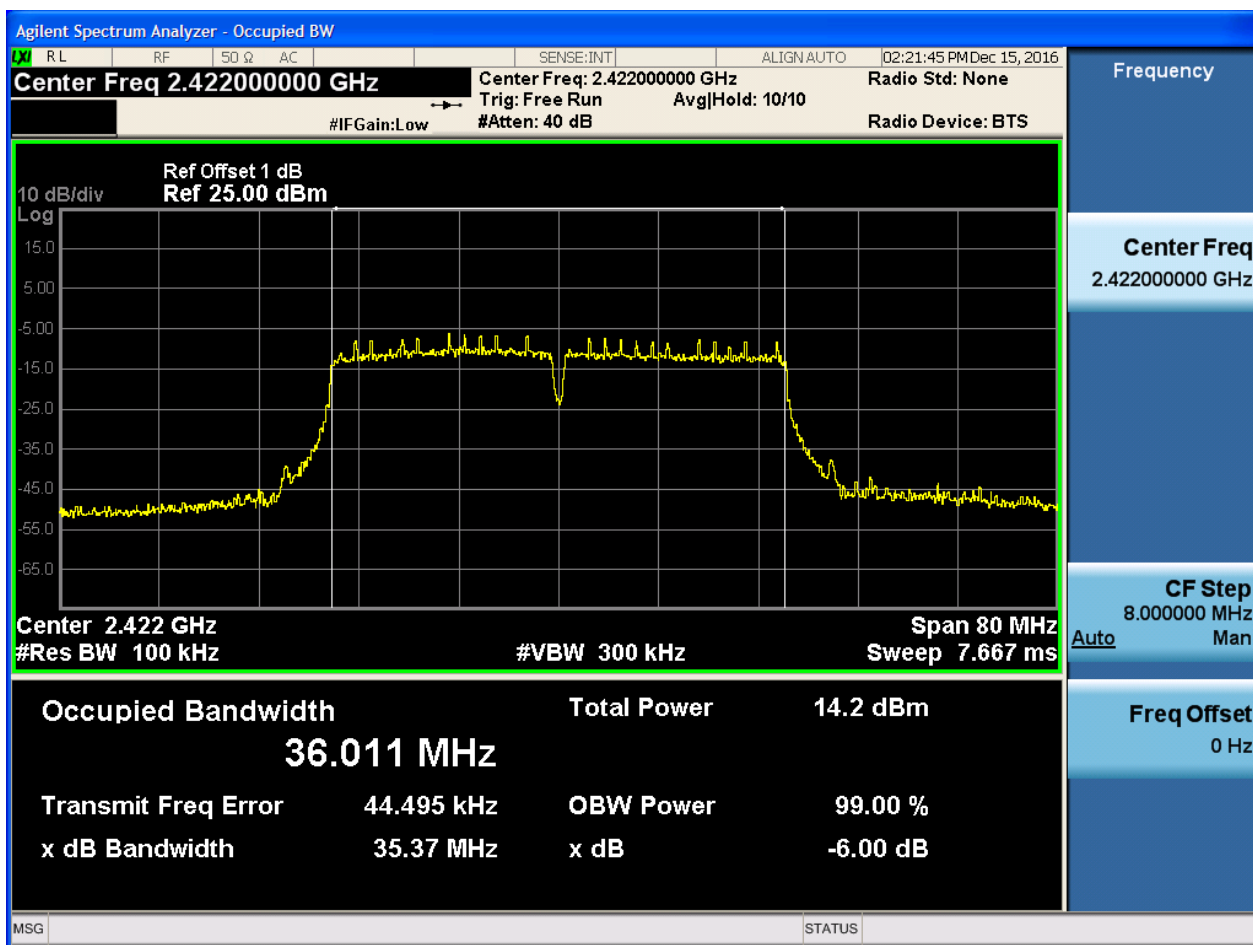


2.19 11N40_L@Ant 1



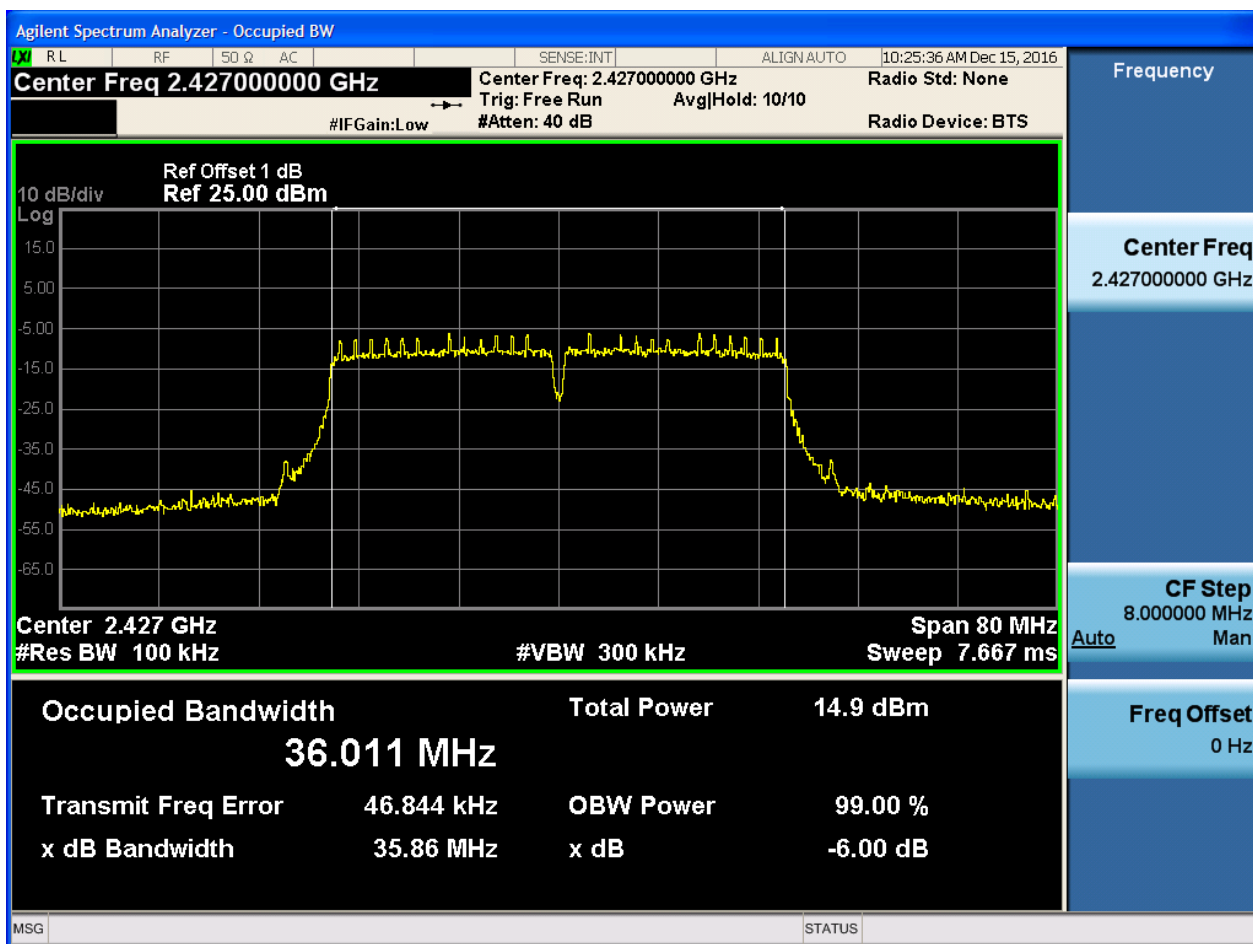


2.20 11N40_L@Ant 2



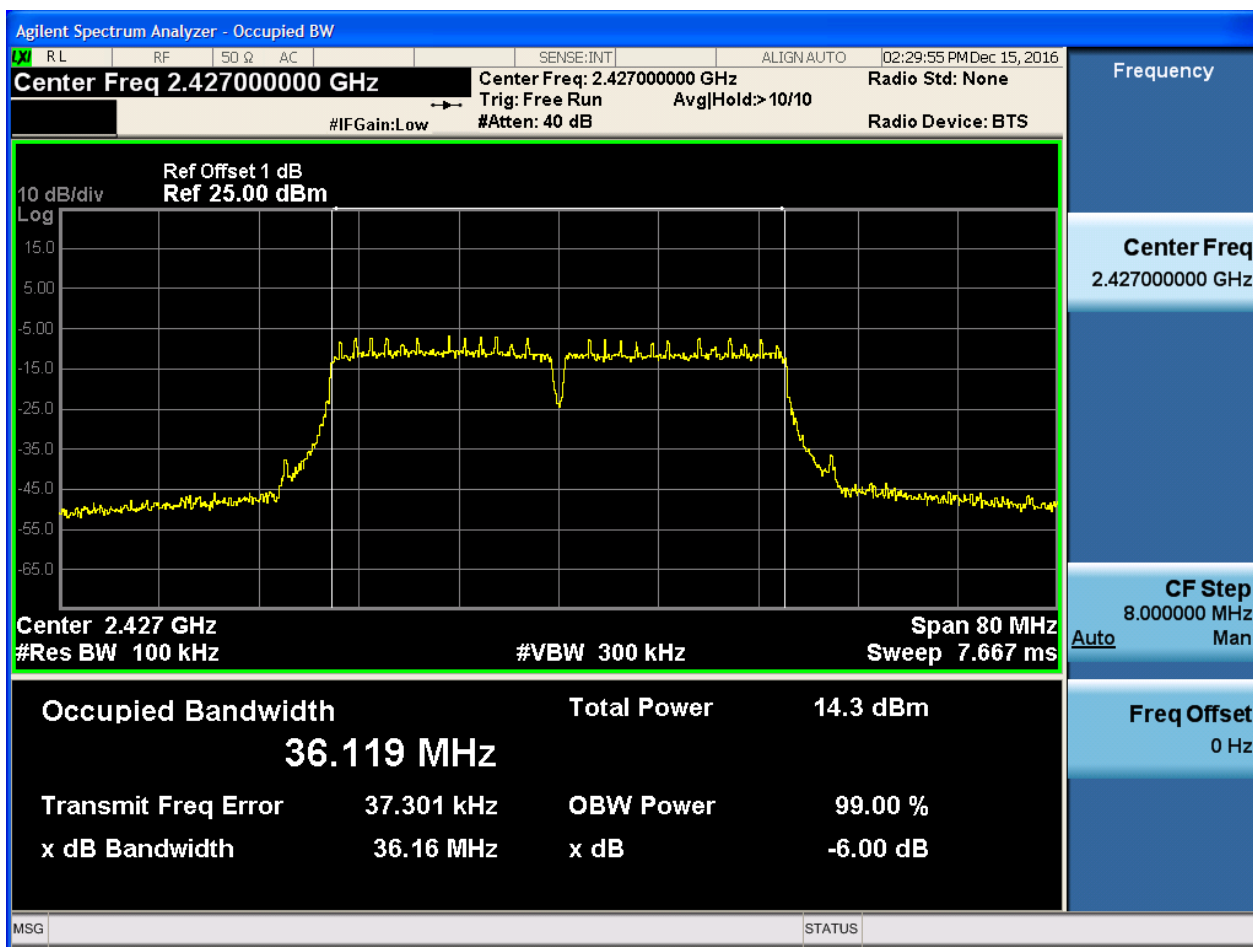


2.21 11N40_M@Ant 1



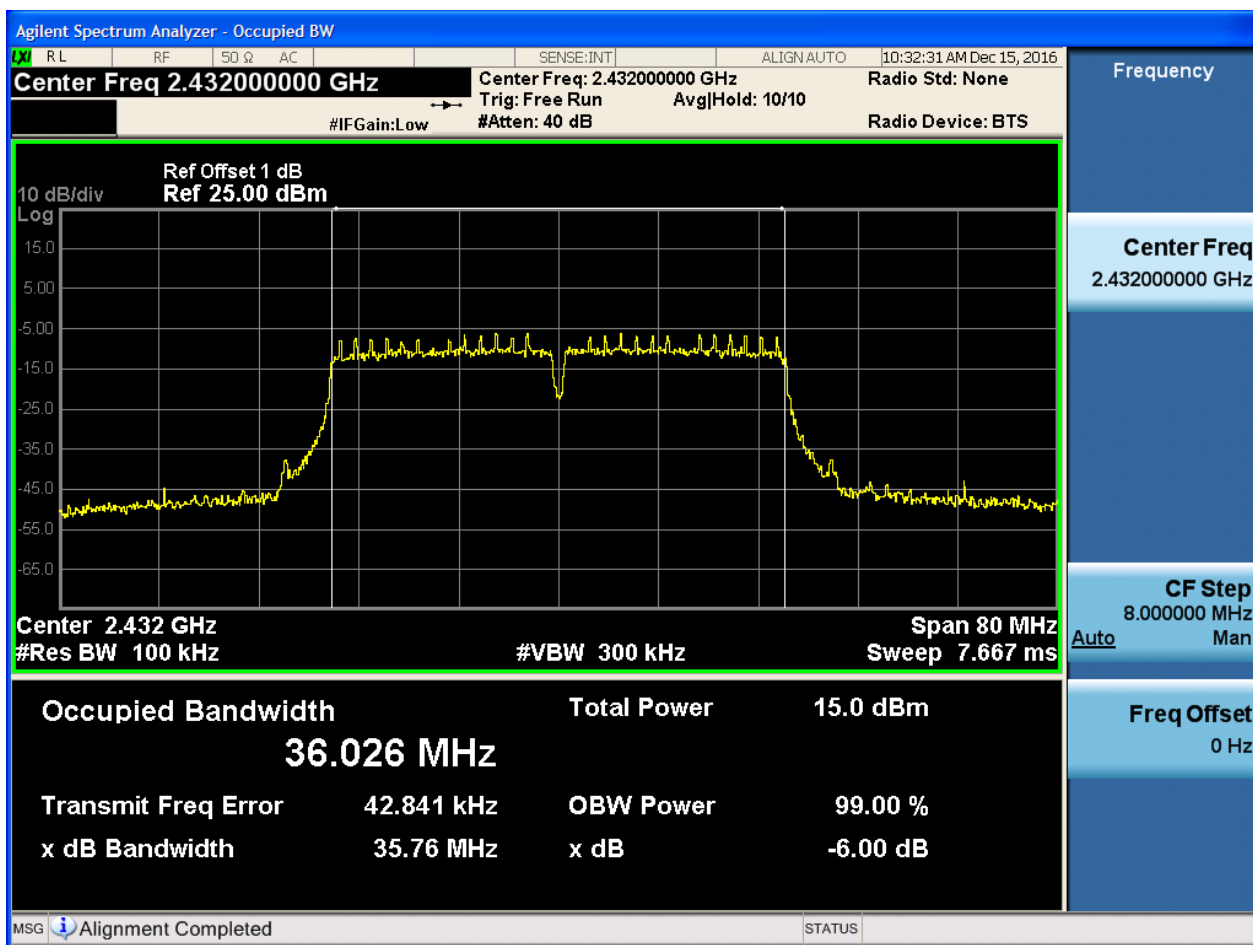


2.22 11N40_M@Ant 2



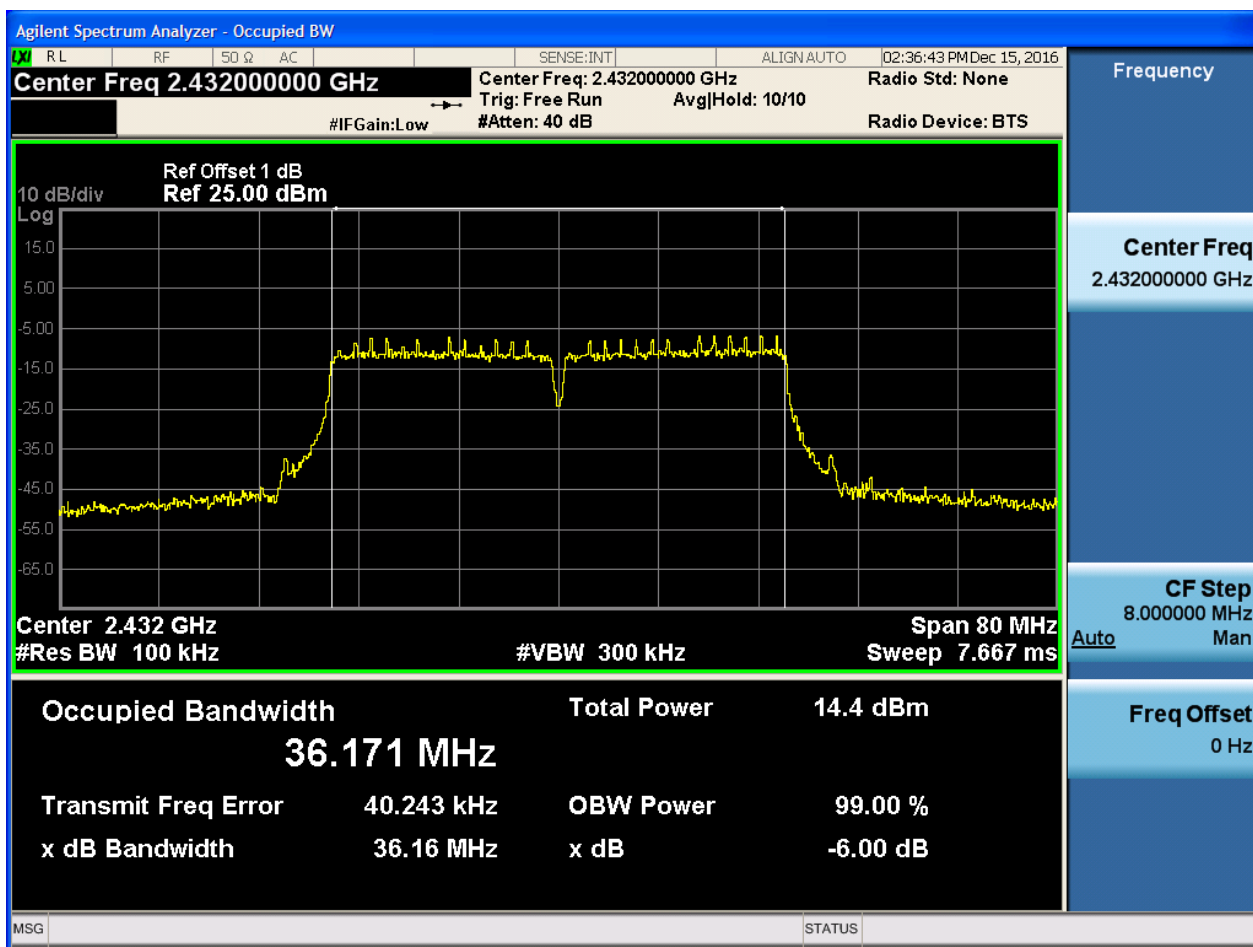


2.23 11N40_H@Ant 1

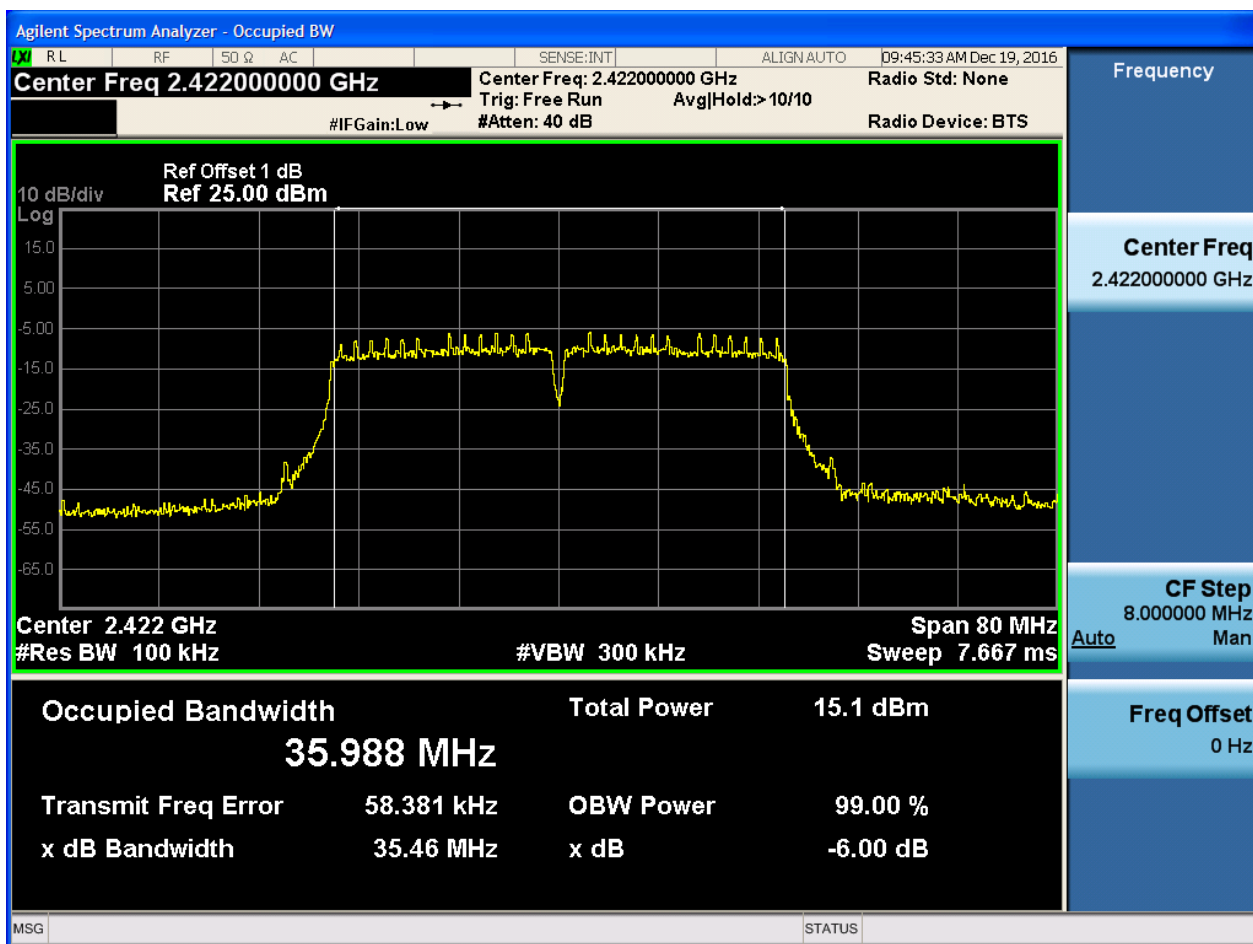




2.24 11N40_H@Ant 2

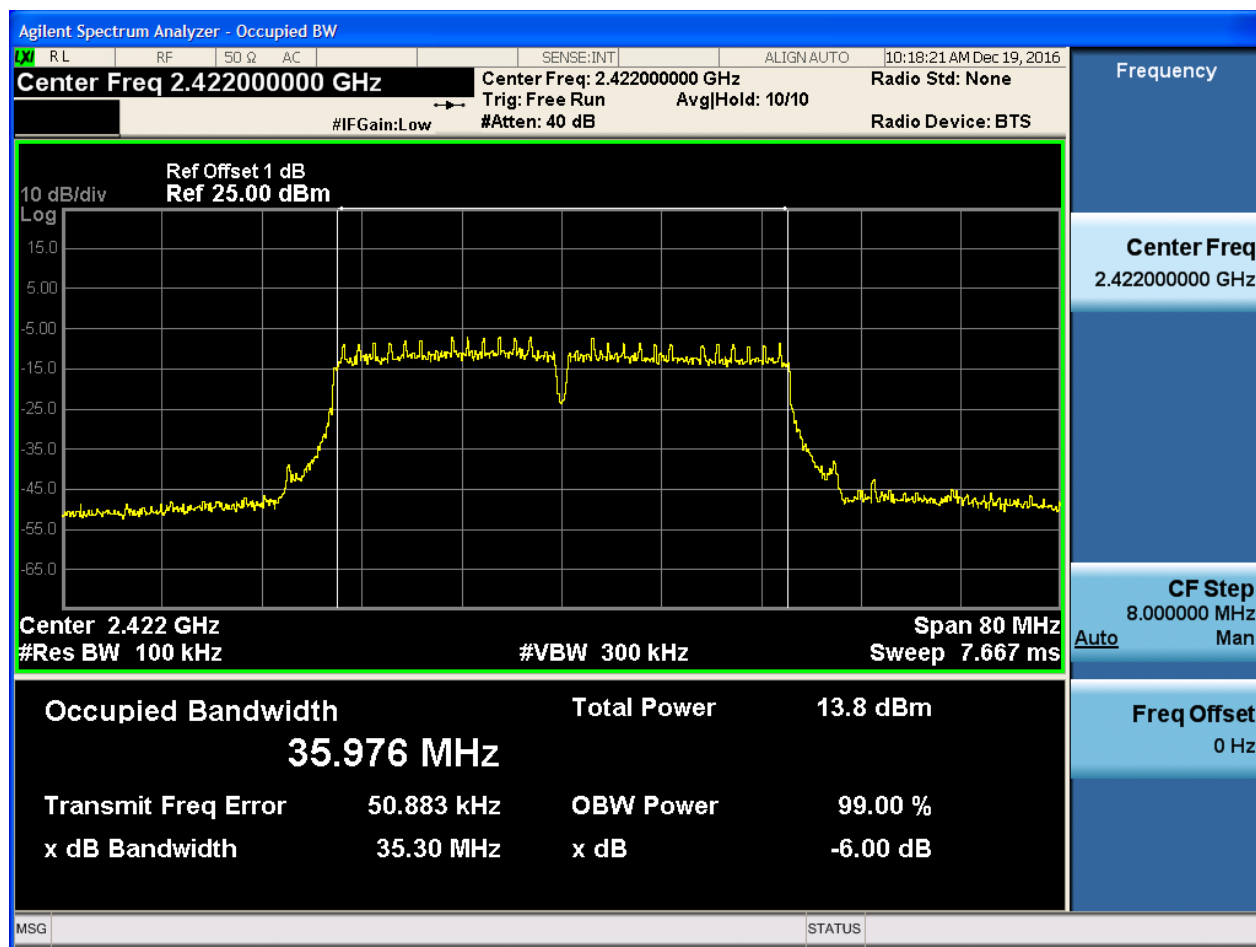


2.31 11N40m_L@Ant 1



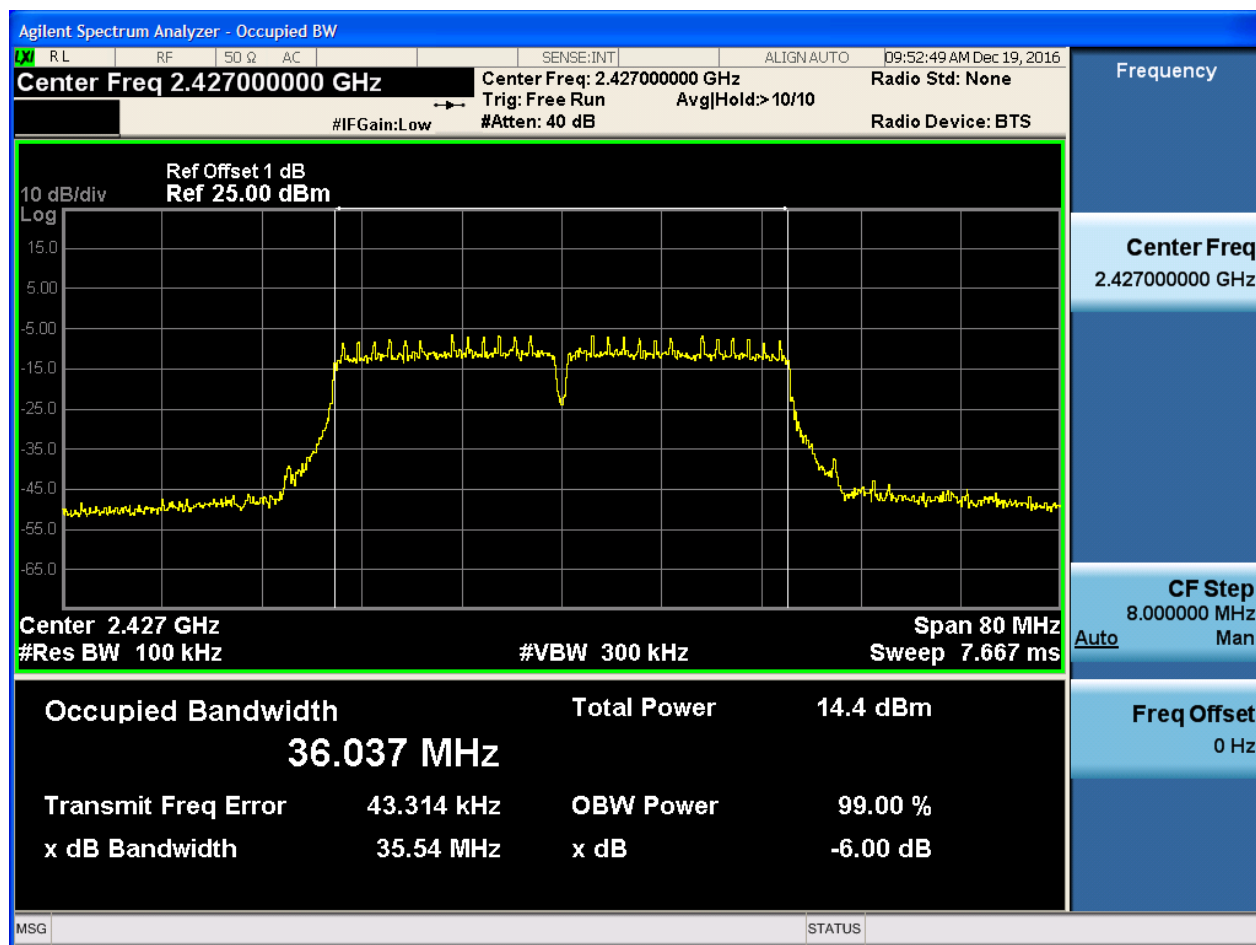


2.32 11N40m_L@Ant 2

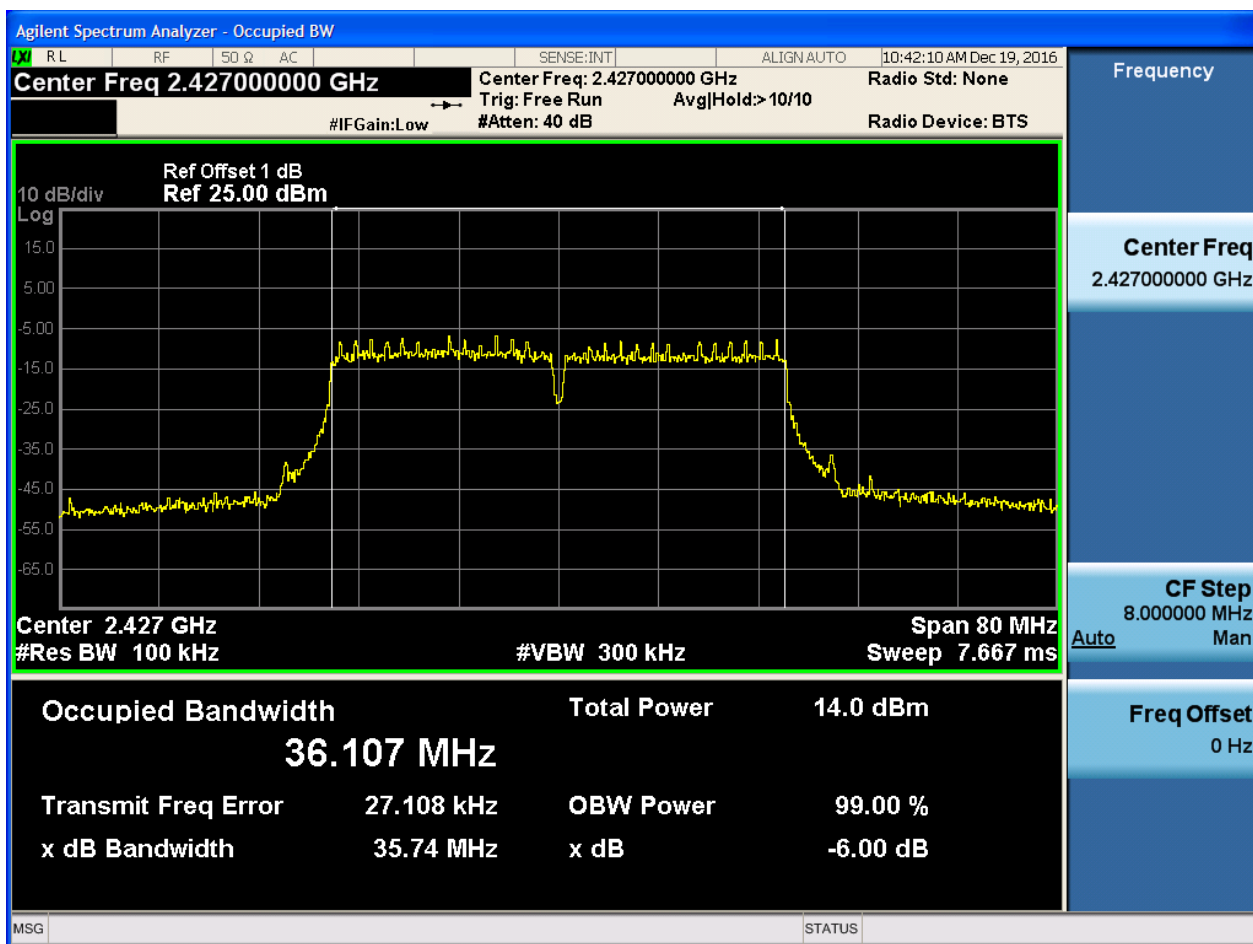




2.33 11N40m_M@Ant 1

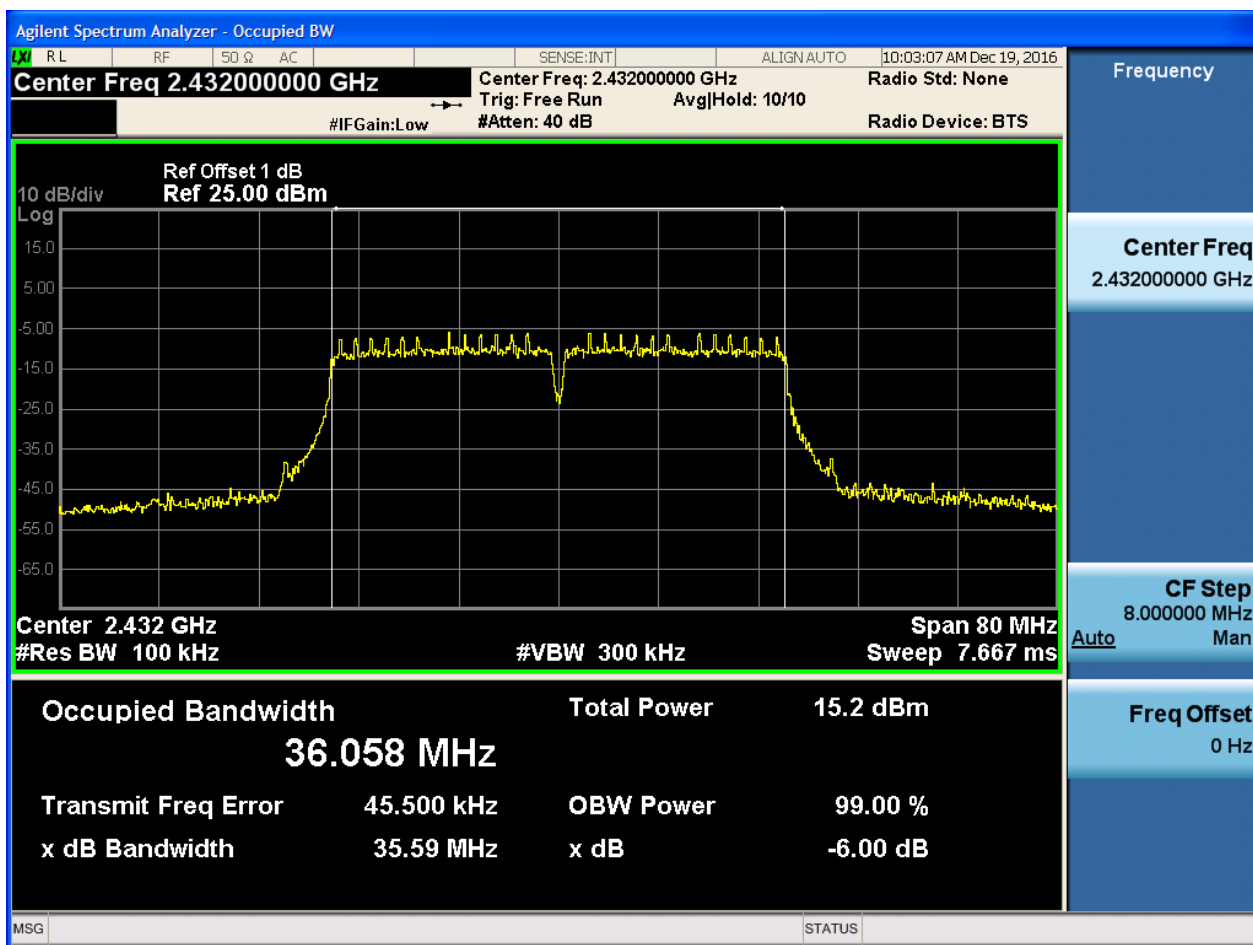


2.34 11N40m_M@Ant 2



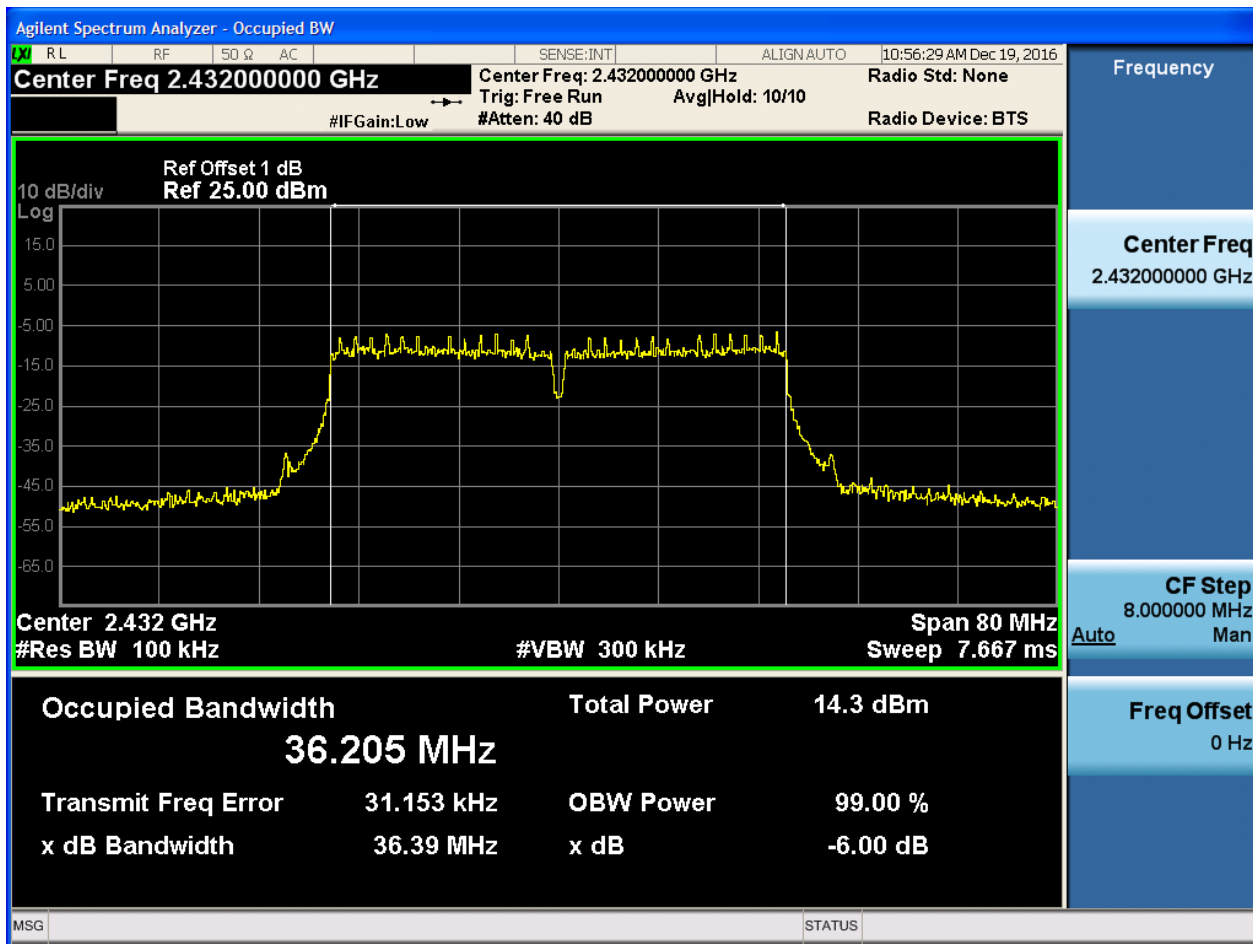


2.35 11N40m_H@Ant 1





2.36 11N40m_H@Ant 2



Appendix 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	15.02	pass
11B	L	2412	Ant 2	14.90	pass
11B	M	2427	Ant 1	15.02	pass
11B	M	2427	Ant 2	15.17	pass
11B	H	2442	Ant 1	15.06	pass
11B	H	2442	Ant 2	15.22	pass
11G	L	2412	Ant 1	16.66	pass
11G	L	2412	Ant 2	16.62	pass
11G	M	2427	Ant 1	16.70	pass
11G	M	2427	Ant 2	16.77	pass
11G	H	2442	Ant 1	16.70	pass
11G	H	2442	Ant 2	16.69	pass
11N20	L	2412	Ant 1	17.85	pass
11N20	L	2412	Ant 2	17.80	pass
11N20	M	2427	Ant 1	17.88	pass
11N20	M	2427	Ant 2	17.97	pass
11N20	H	2442	Ant 1	17.88	pass
11N20	H	2442	Ant 2	17.91	pass
11N20m	L	2412	Ant 1	16.58	pass
11N20m	L	2412	Ant 2	17.73	pass
11N20m	M	2427	Ant 1	17.82	pass
11N20m	M	2427	Ant 2	17.84	pass
11N20m	H	2442	Ant 1	17.83	pass
11N20m	H	2442	Ant 2	17.80	pass
11N40	L	2422	Ant 1	36.14	pass
11N40	L	2422	Ant 2	36.16	pass
11N40	M	2427	Ant 1	36.16	pass
11N40	M	2427	Ant 2	36.28	pass
11N40	H	2432	Ant 1	36.16	pass
11N40	H	2432	Ant 2	36.33	pass
11N40m	L	2422	Ant 1	36.19	pass
11N40m	L	2422	Ant 2	36.14	pass

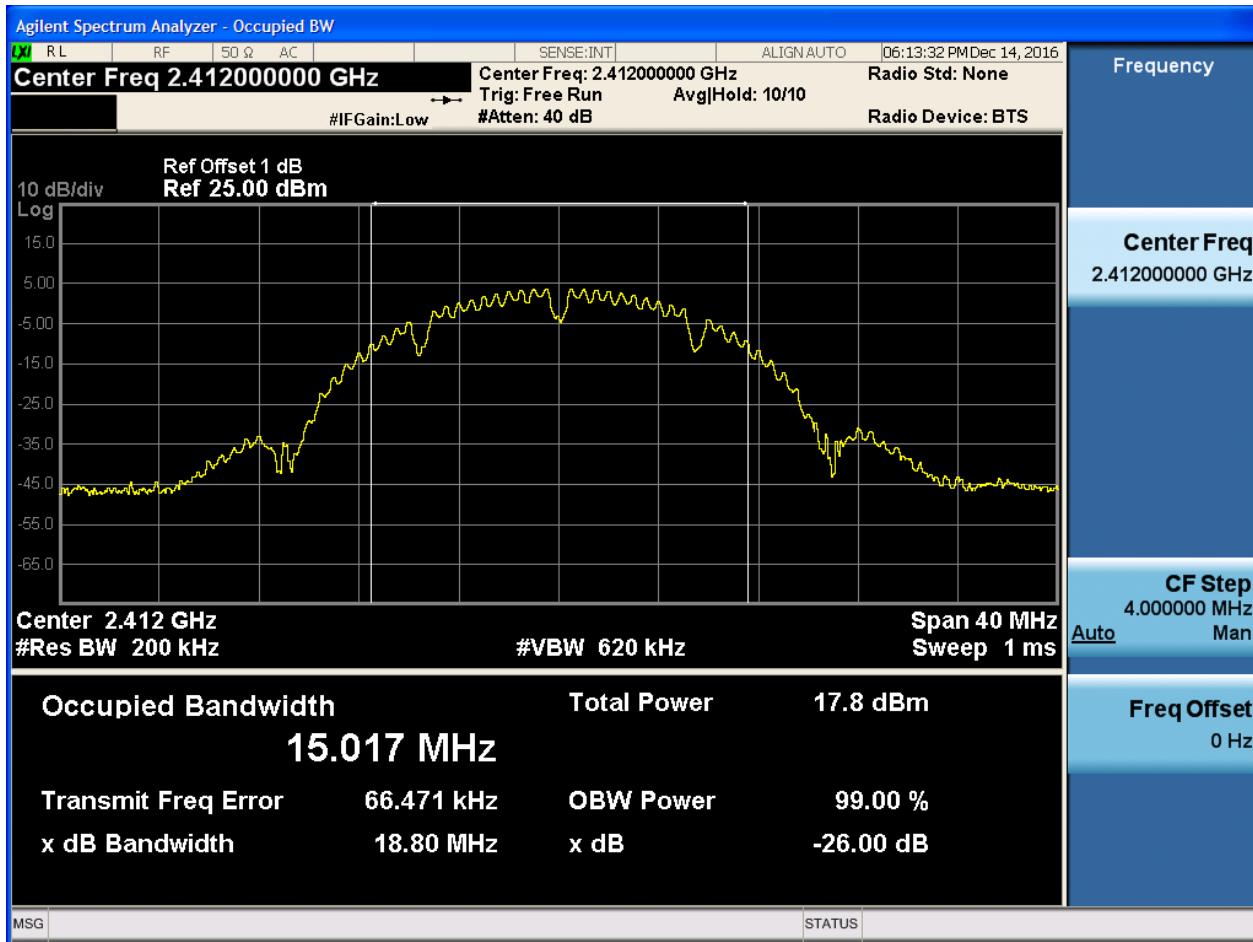


Test Mode	Test Channel	Frequency[MHz]	Ant	Occupied Bandwidth [MHz]	Verdict
11N40m	M	2427	Ant 1	36.24	pass
11N40m	M	2427	Ant 2	36.26	pass
11N40m	H	2432	Ant 1	36.26	pass
11N40m	H	2432	Ant 2	36.34	pass



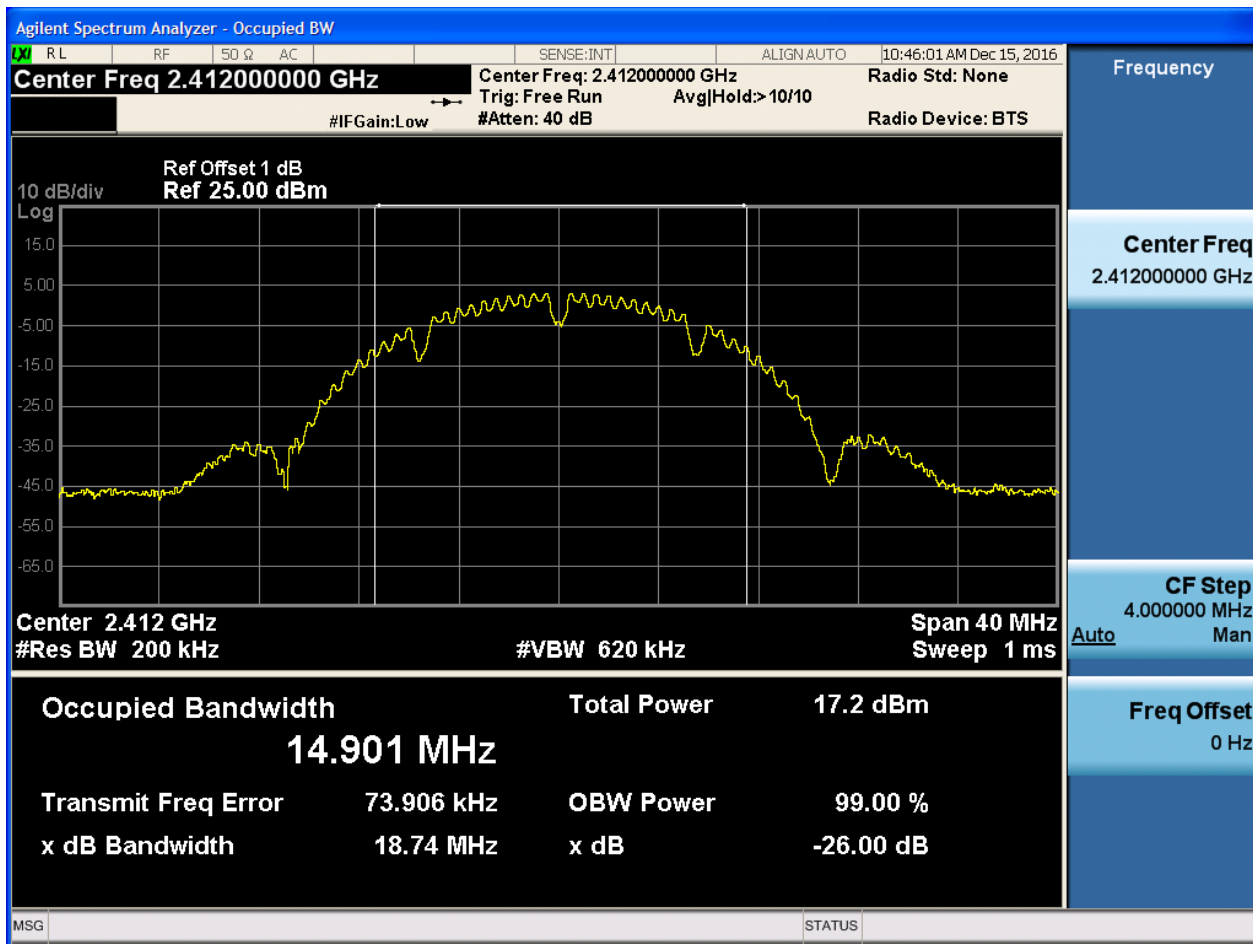
Part II - Test Plots

2.1 11B_L@Ant 1



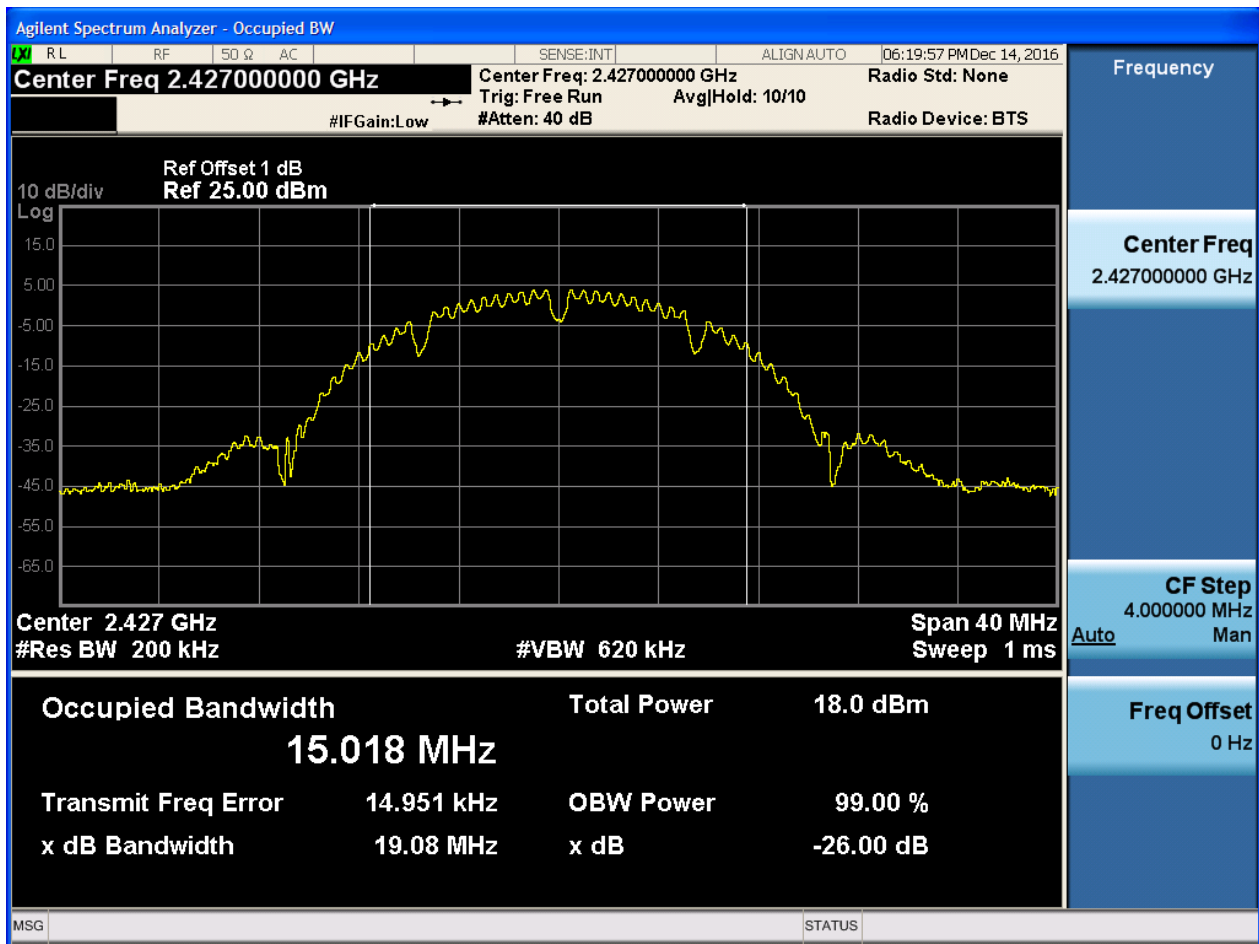


2.2 11B_L@Ant 2



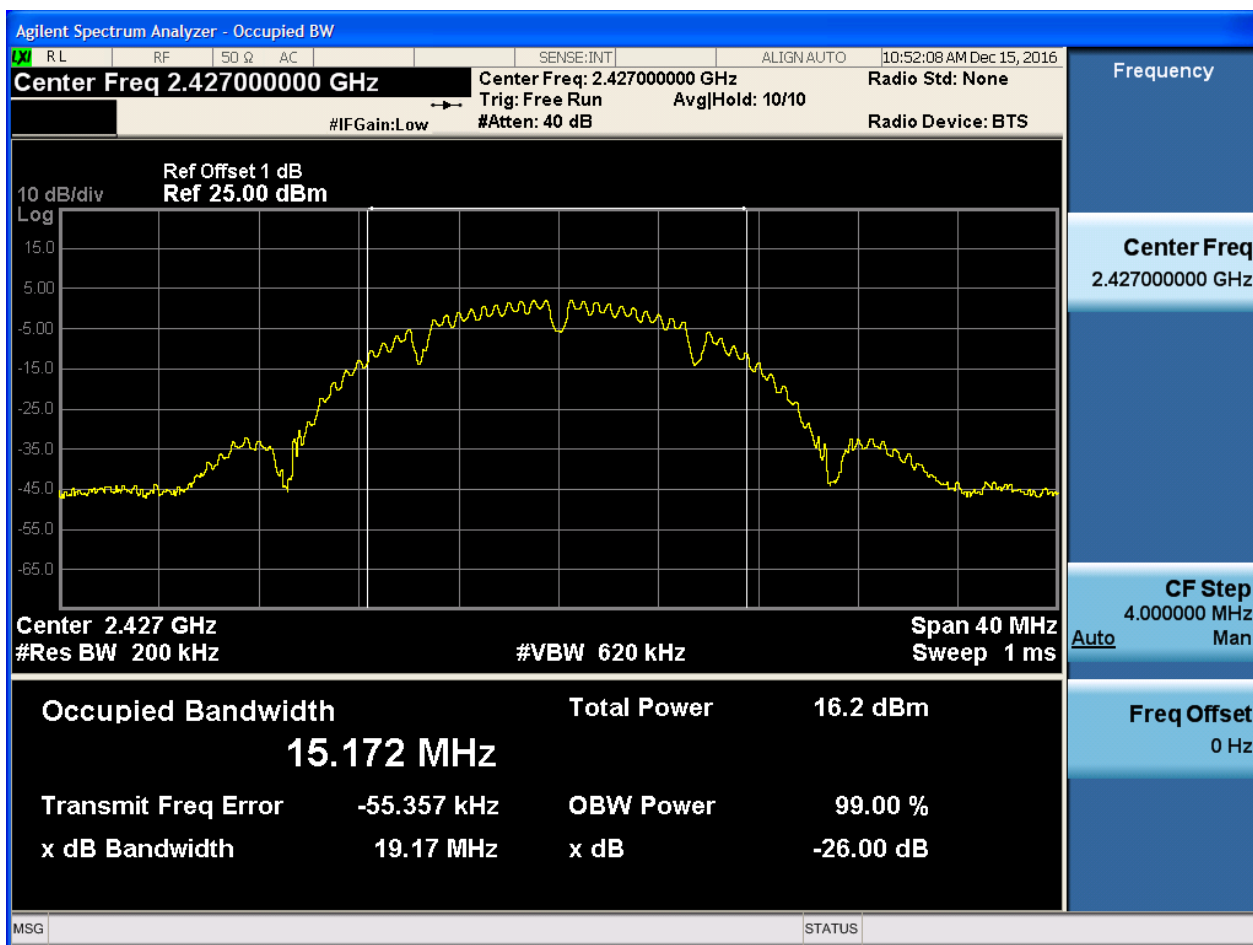


2.3 11B_M@Ant 1



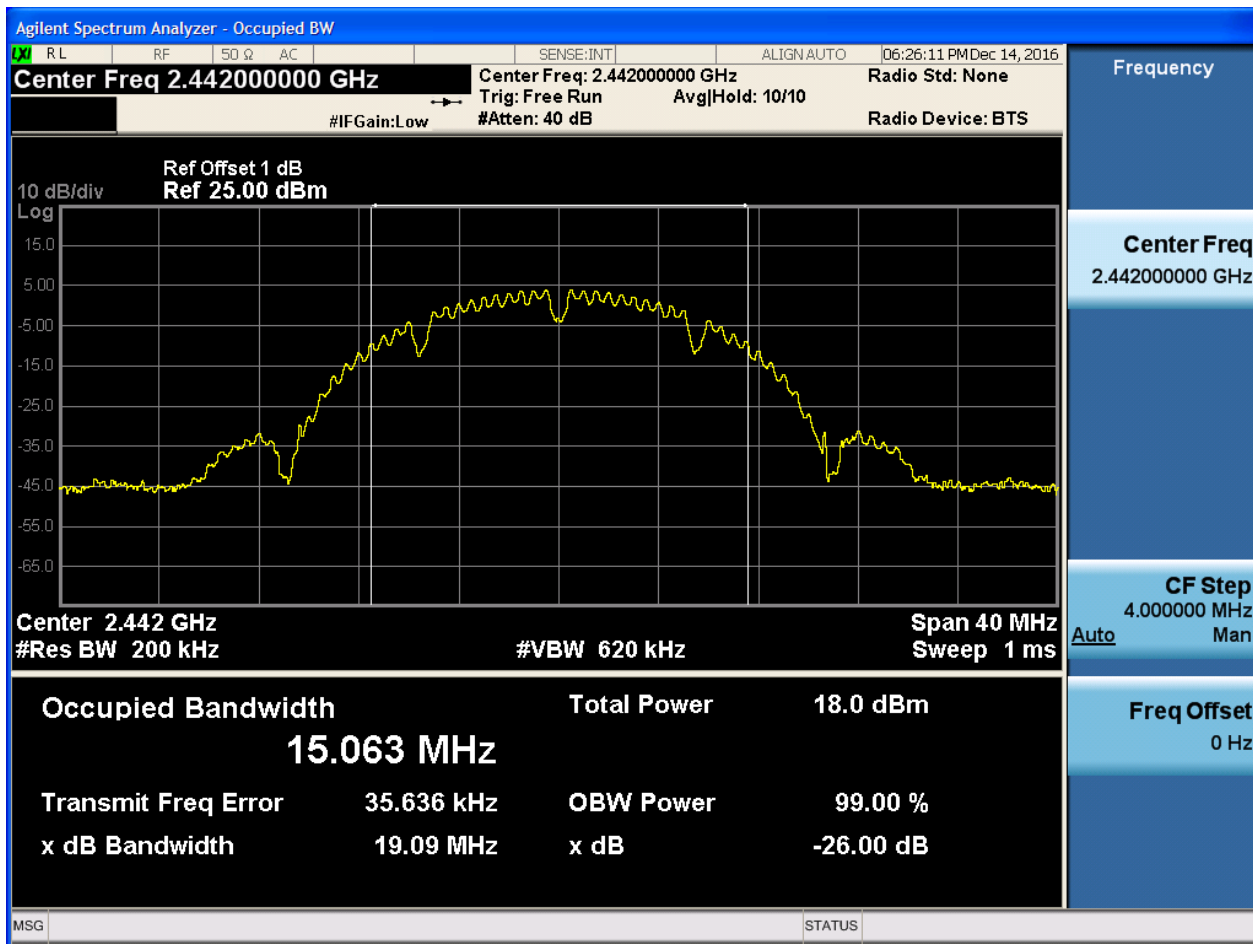


2.4 11B_M@Ant 2



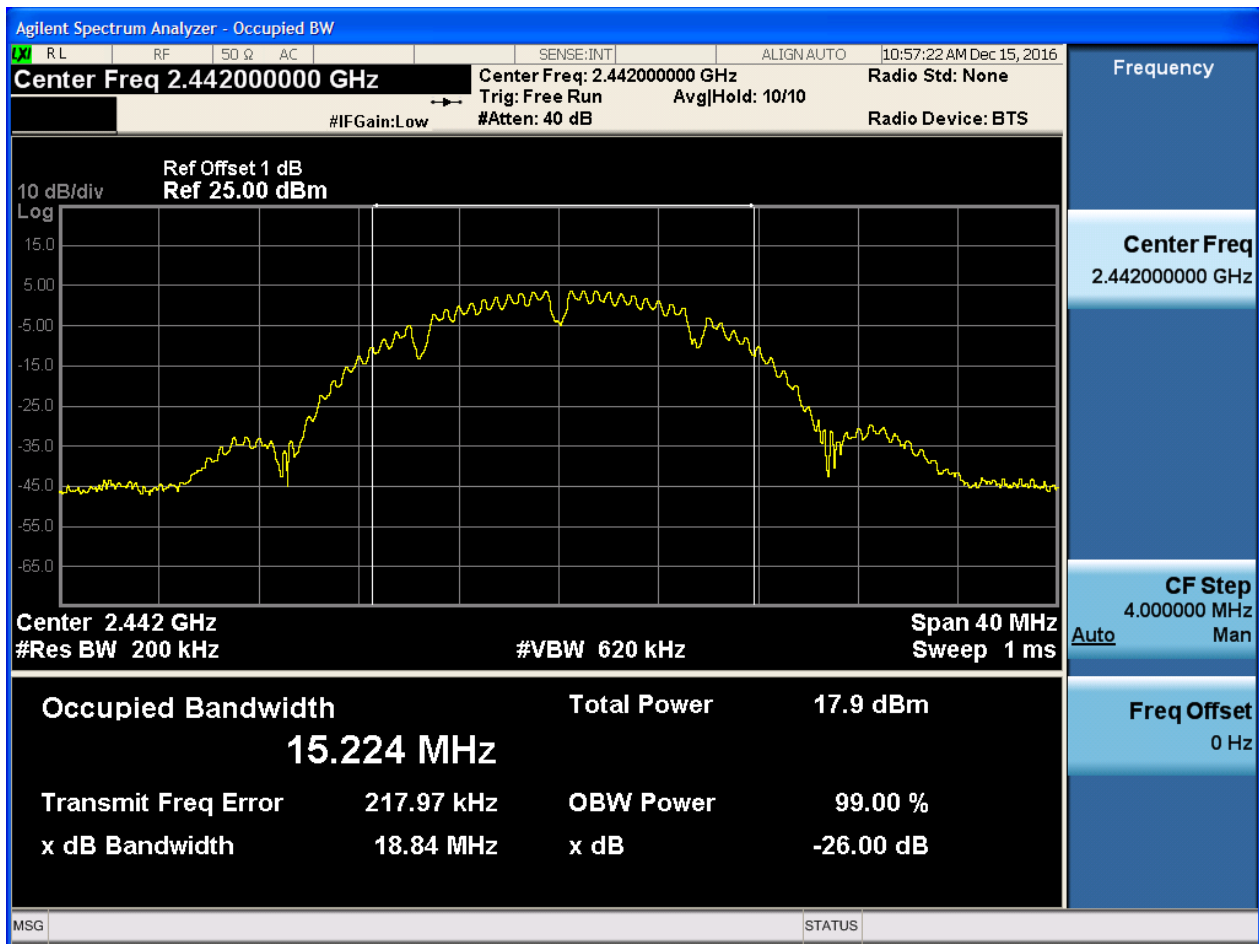


2.5 11B_H@Ant 1



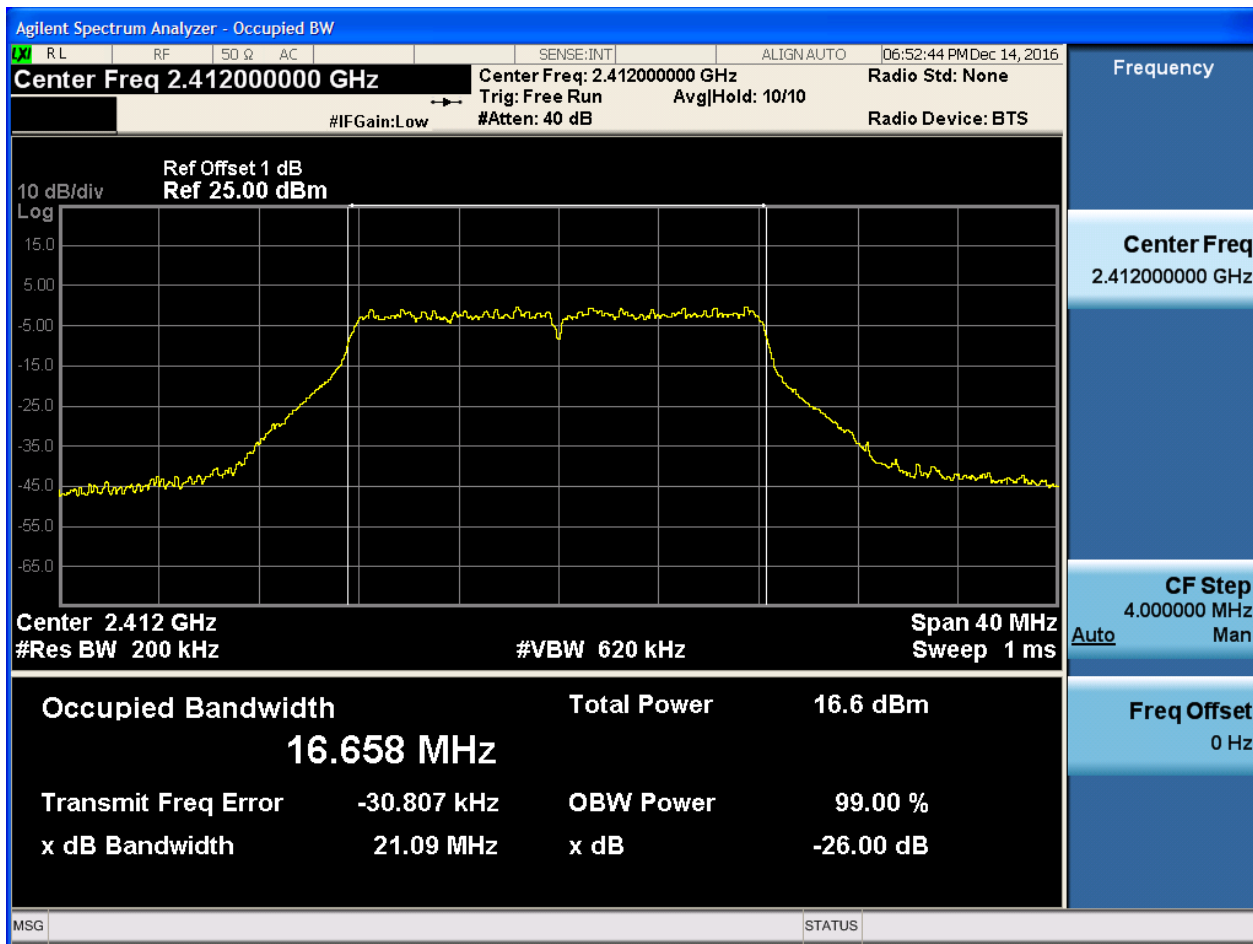


2.6 11B_H@Ant 2



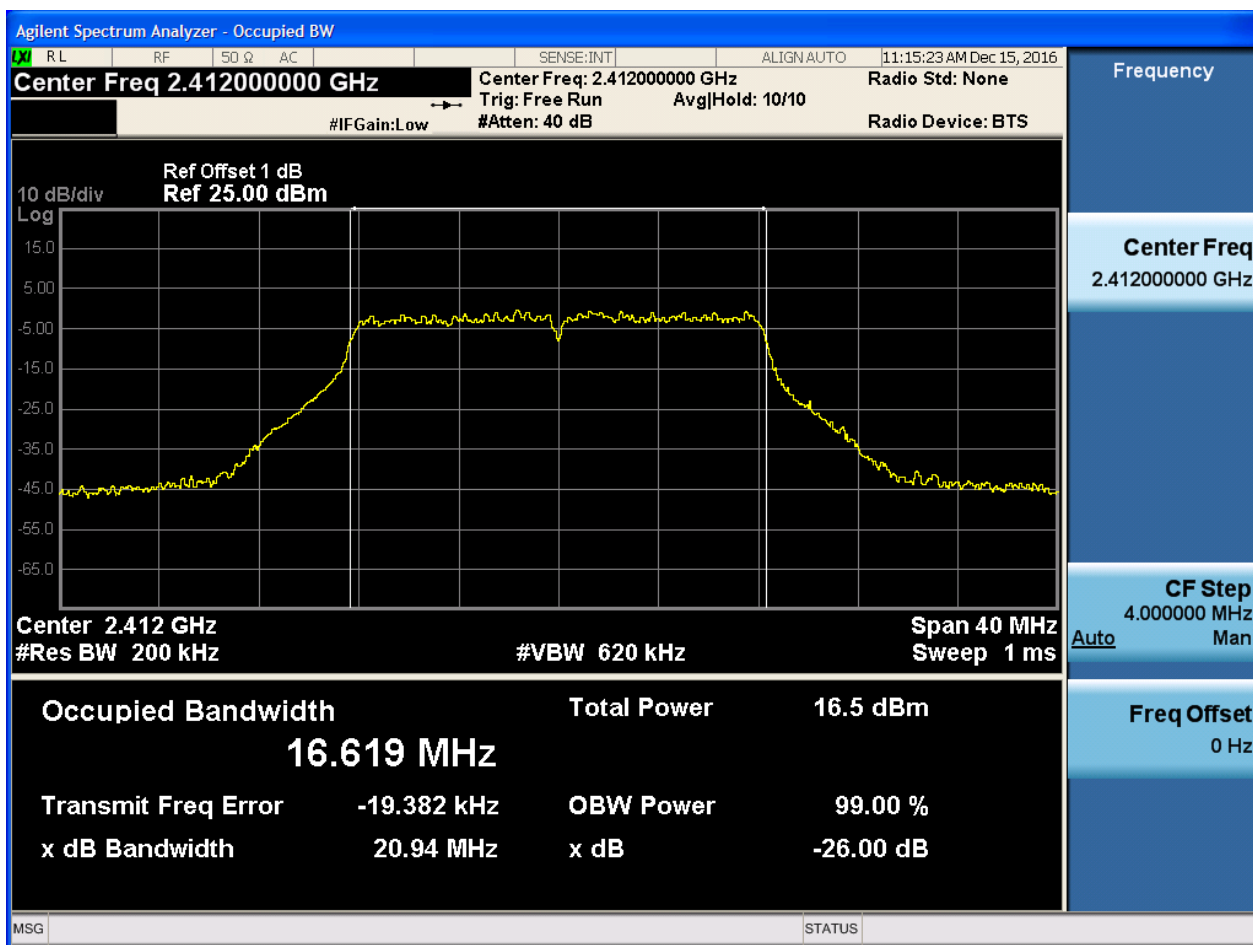


2.7 11G_L@Ant 1



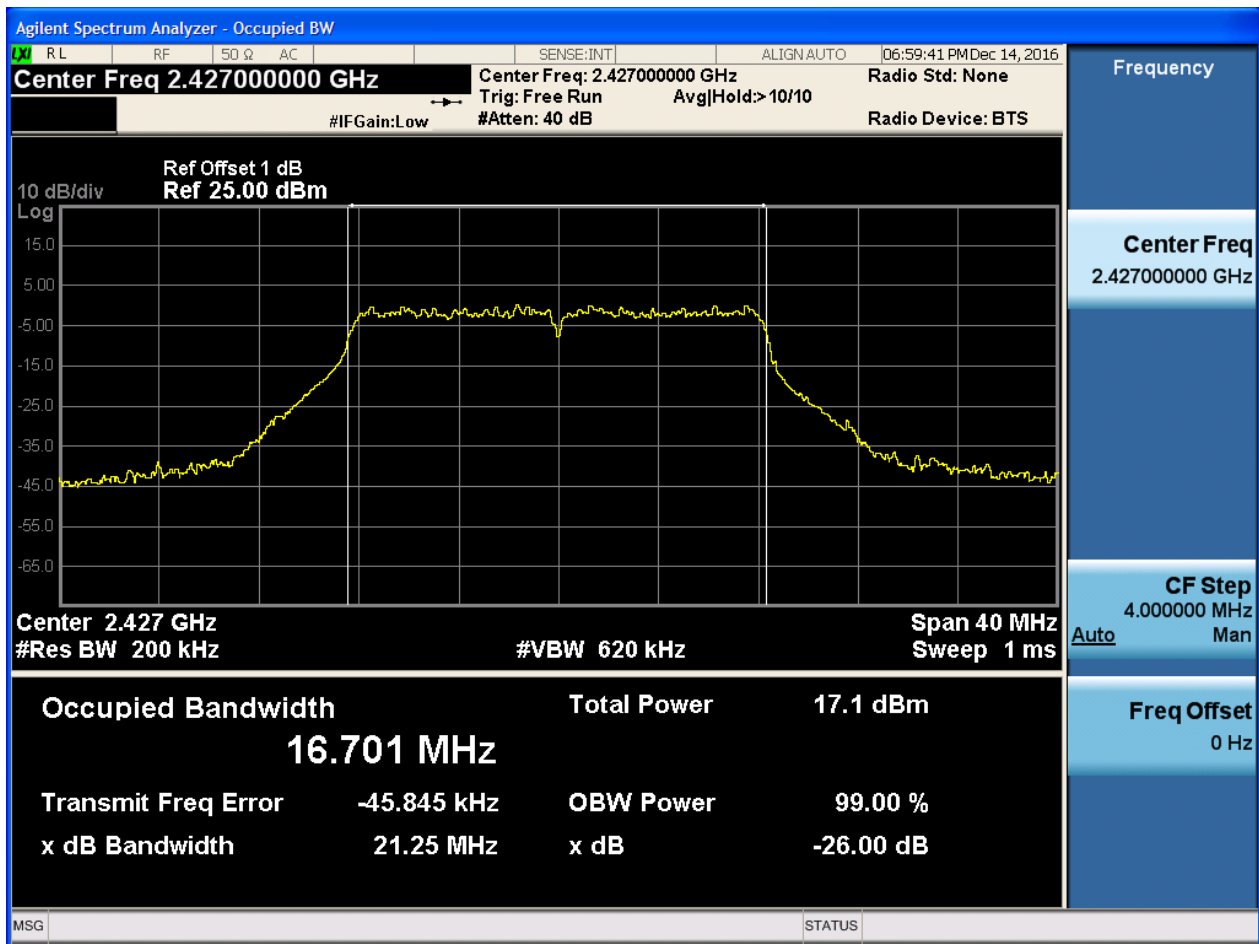


2.8 11G_L@Ant 2



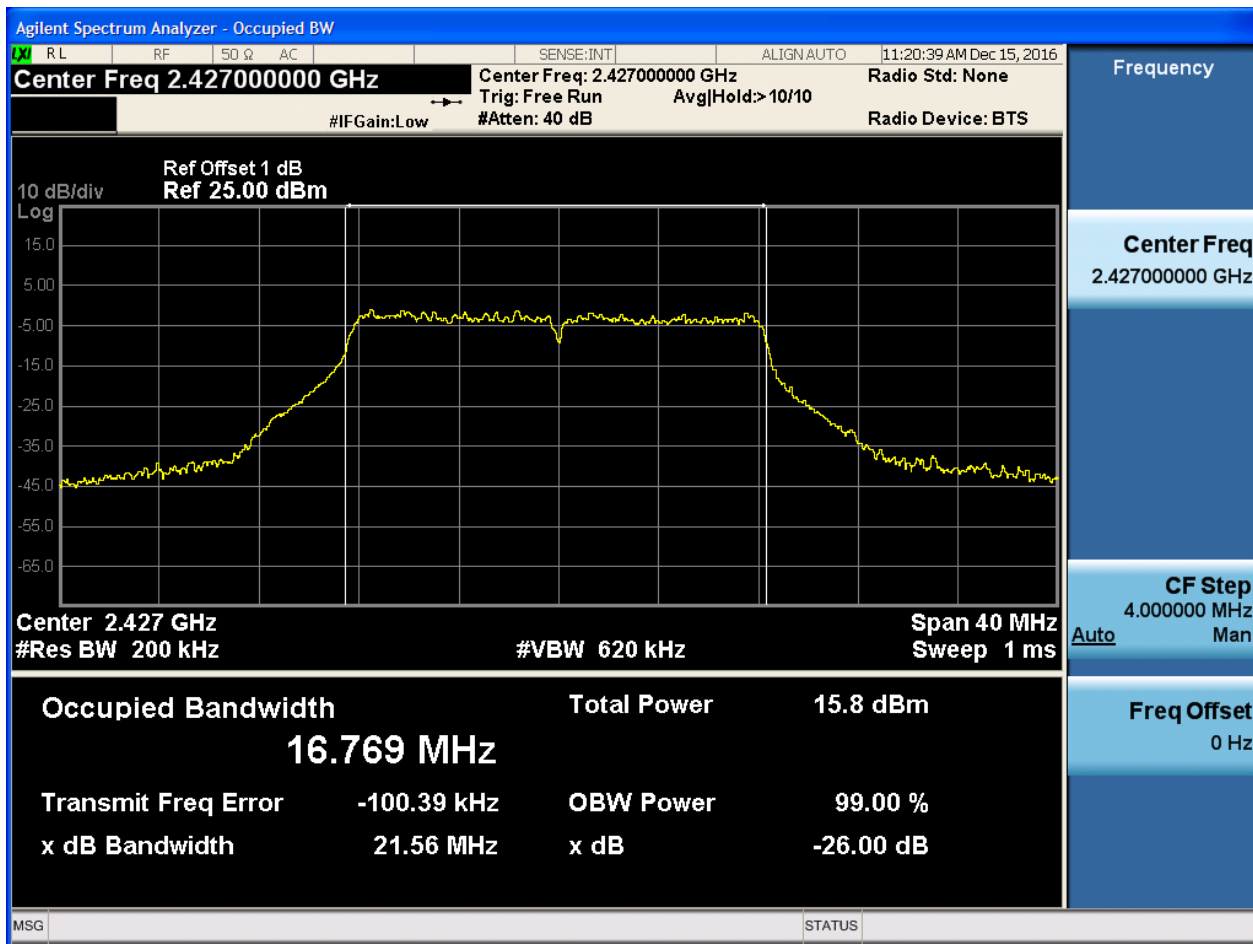


2.9 11G_M@Ant 1



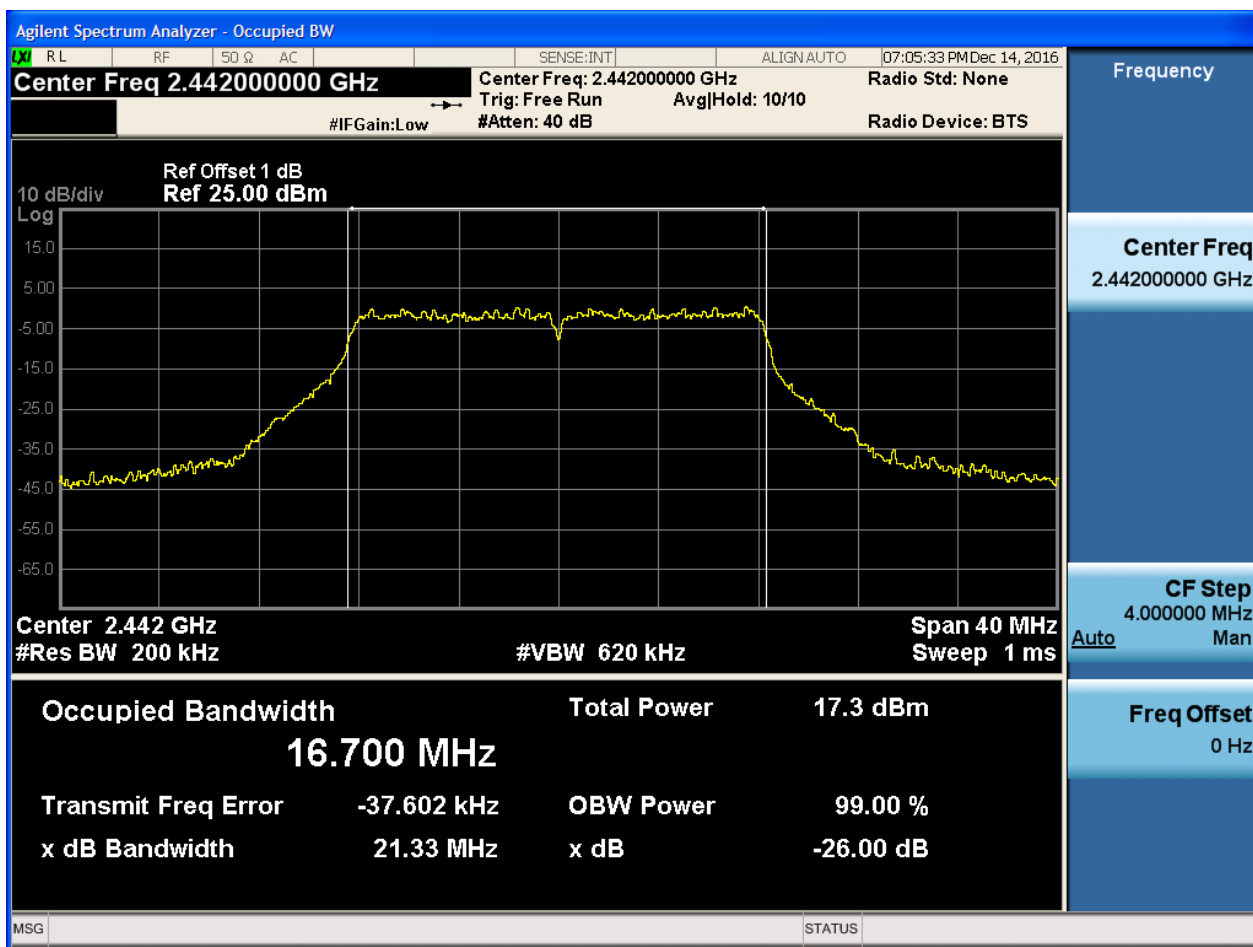


2.10 11G_M@Ant 2



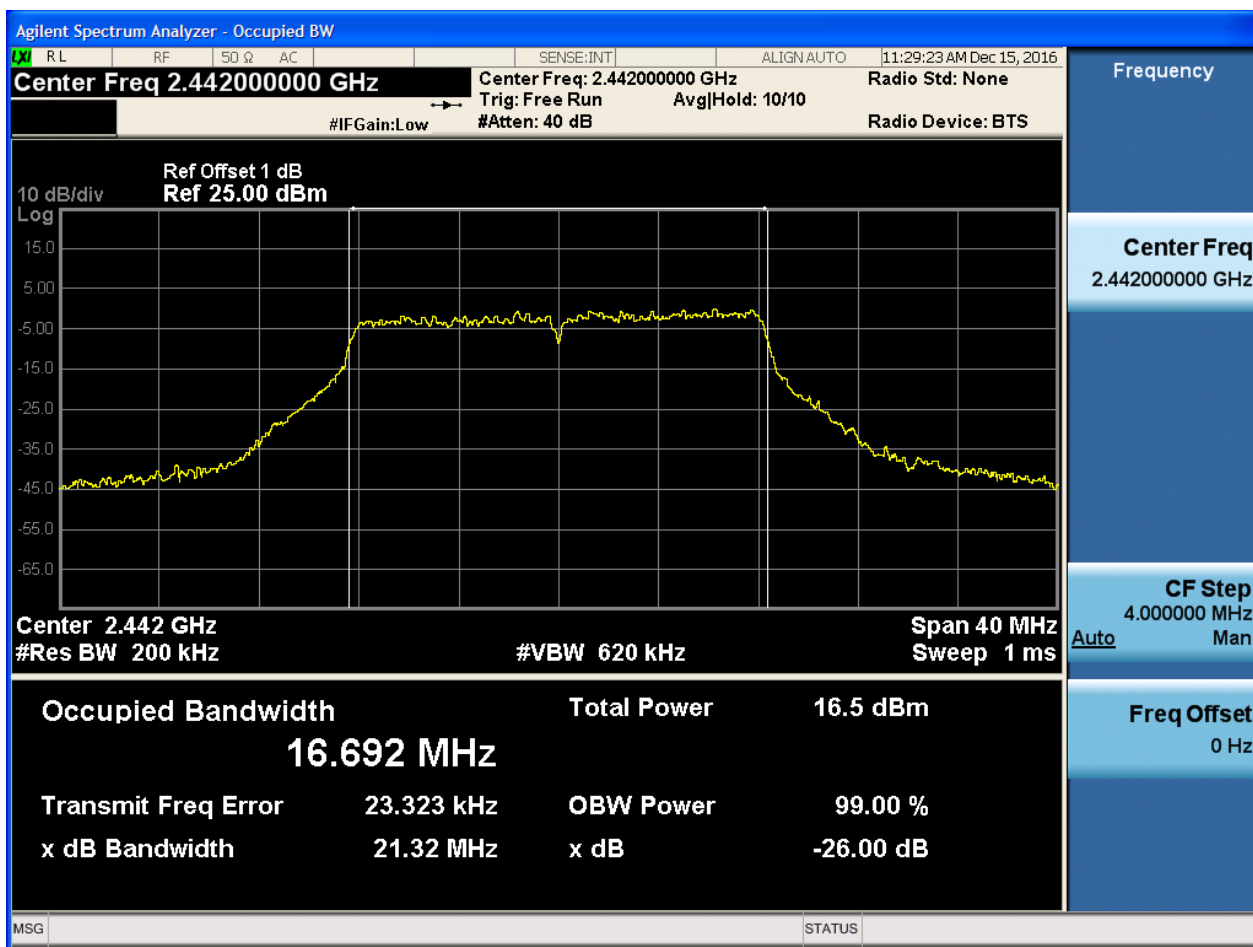


2.11 11G_H@Ant 1



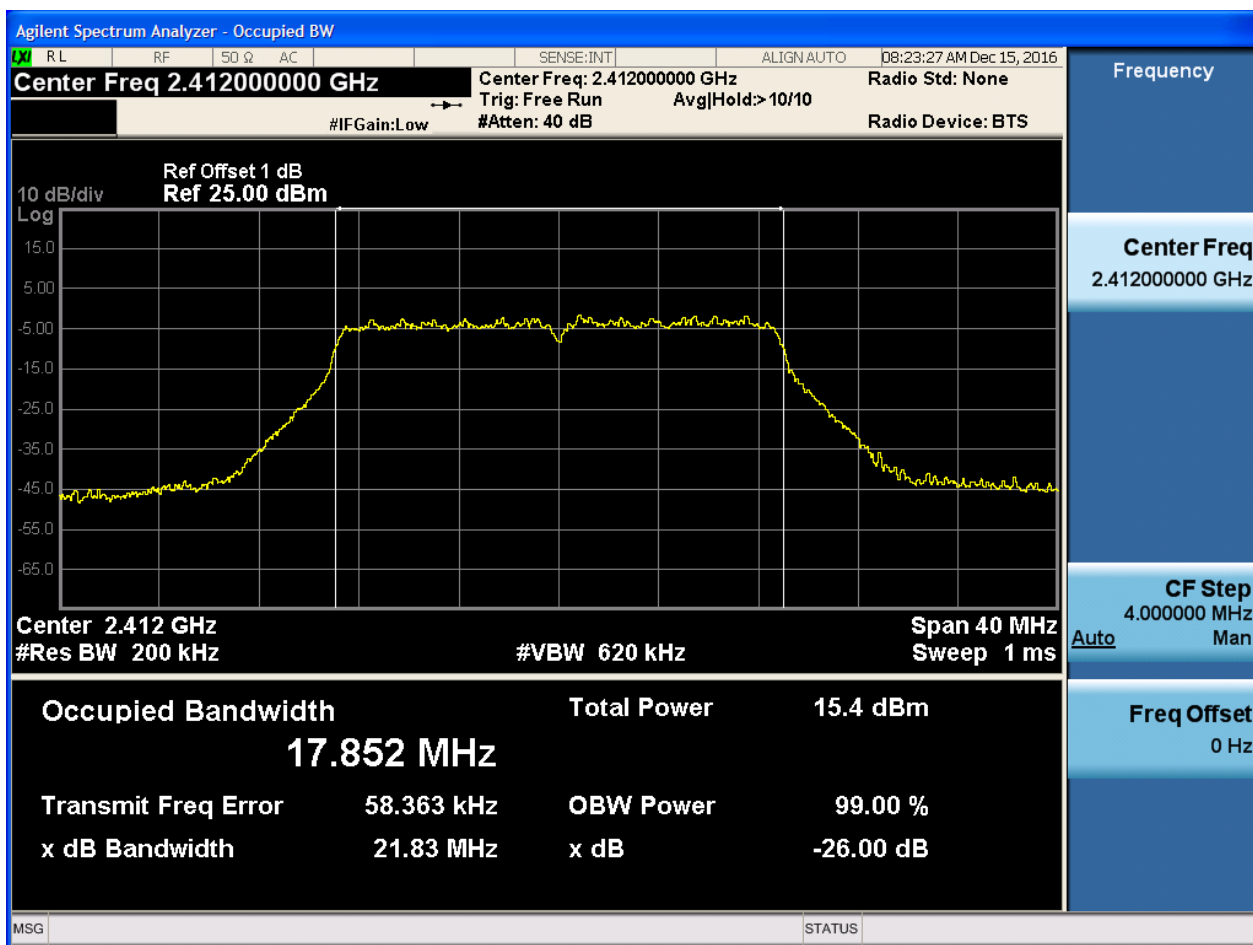


2.12 11G_H@Ant 2



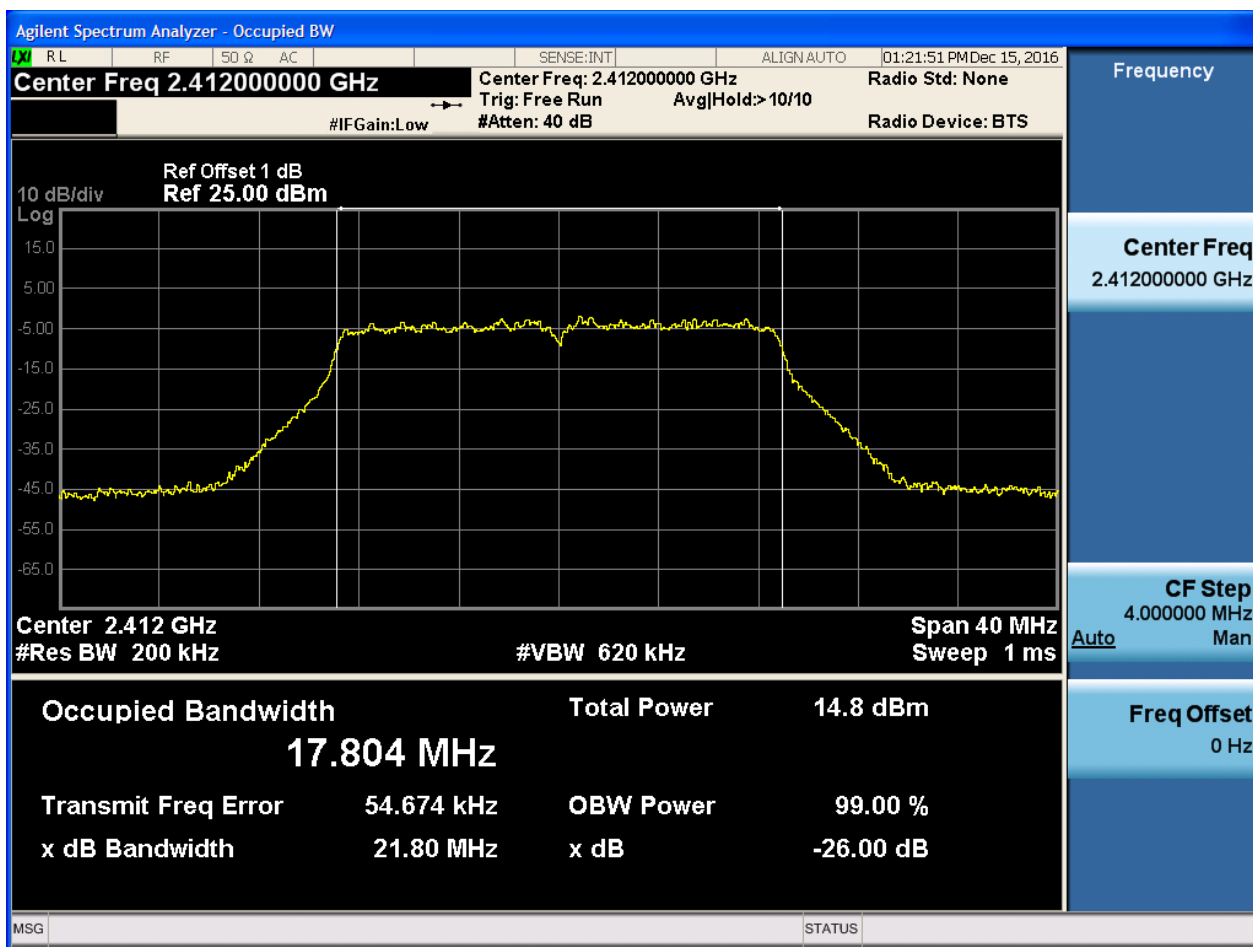


2.13 11N20_L@Ant 1

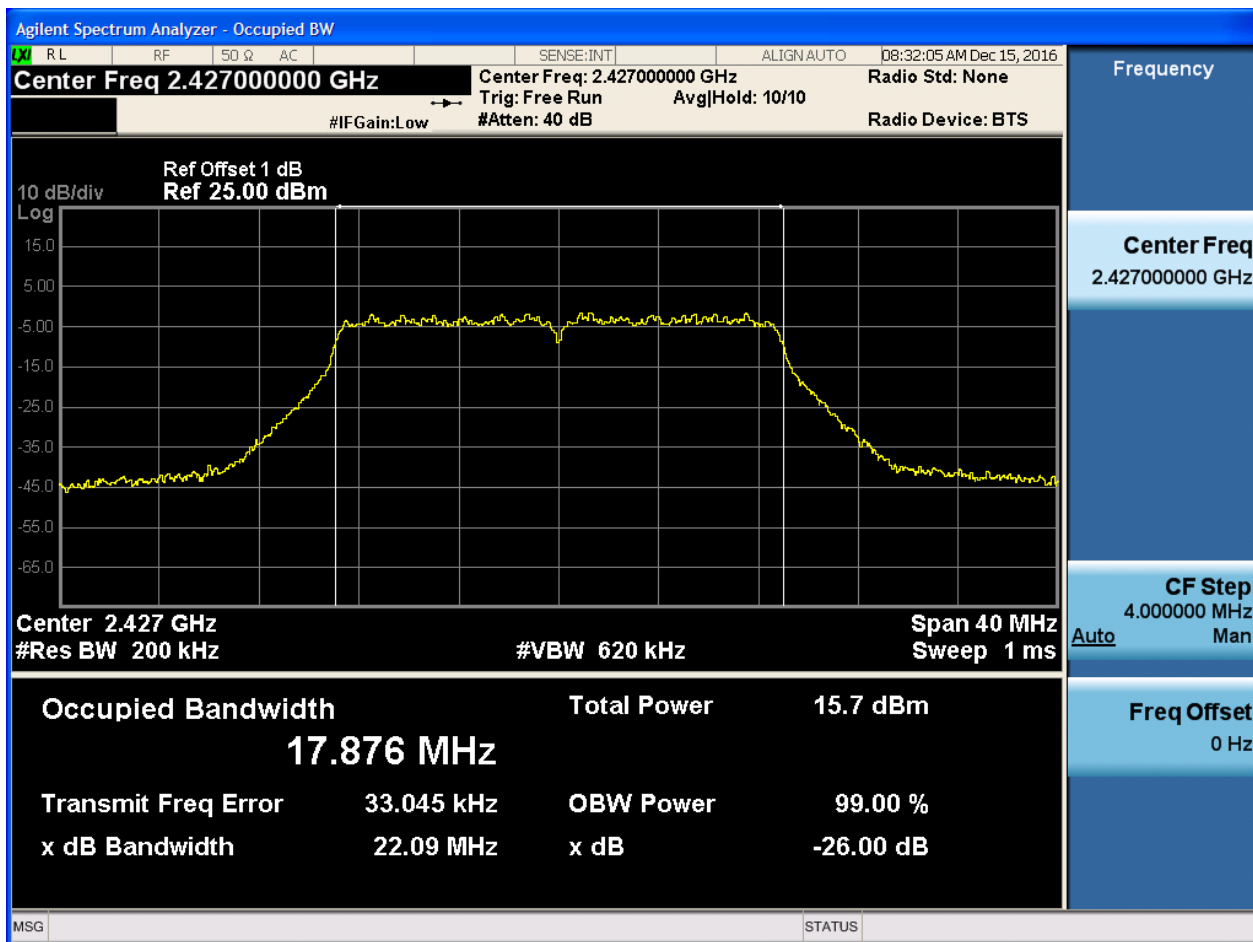




2.14 11N20_L@Ant 2

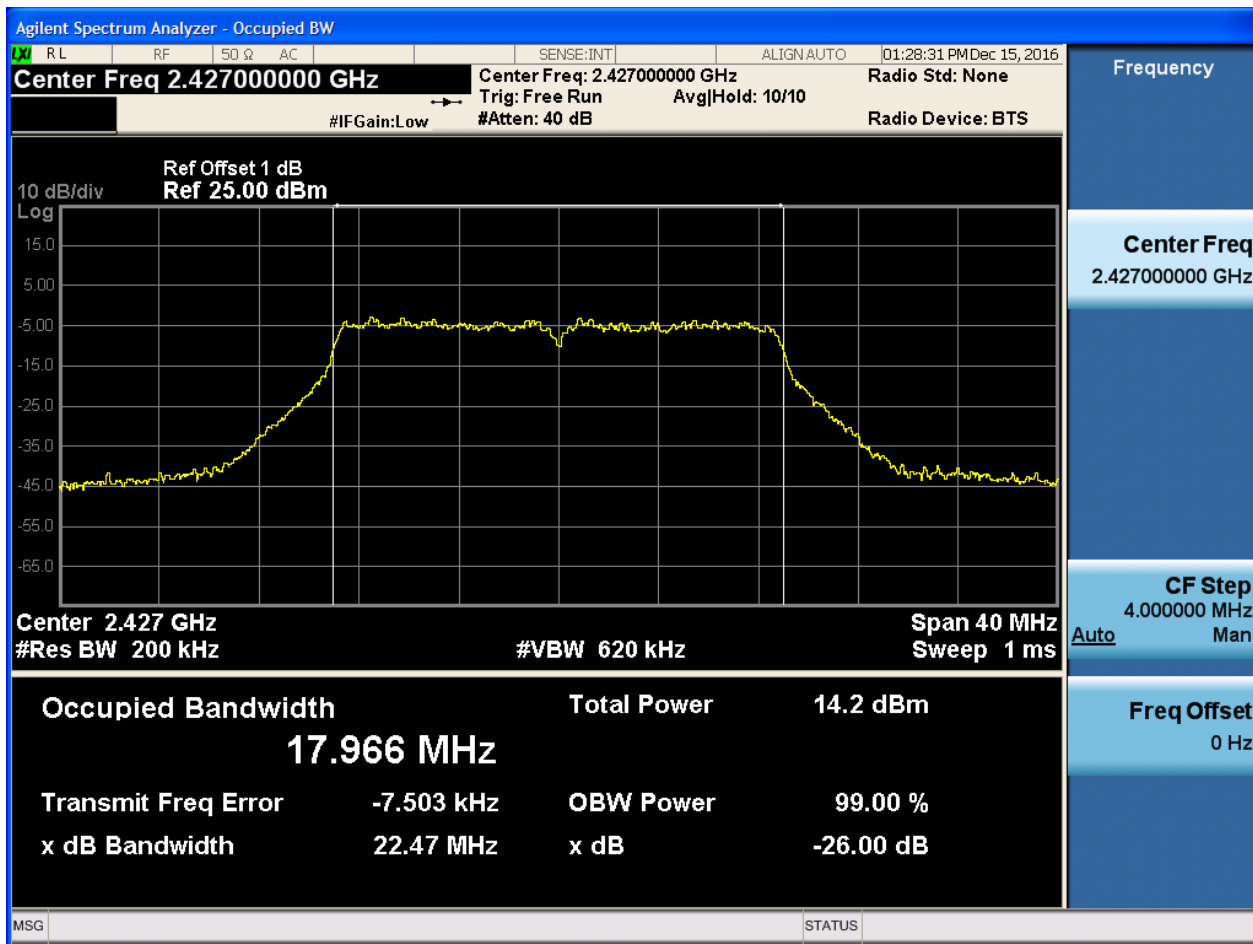


2.15 11N20_M@Ant 1

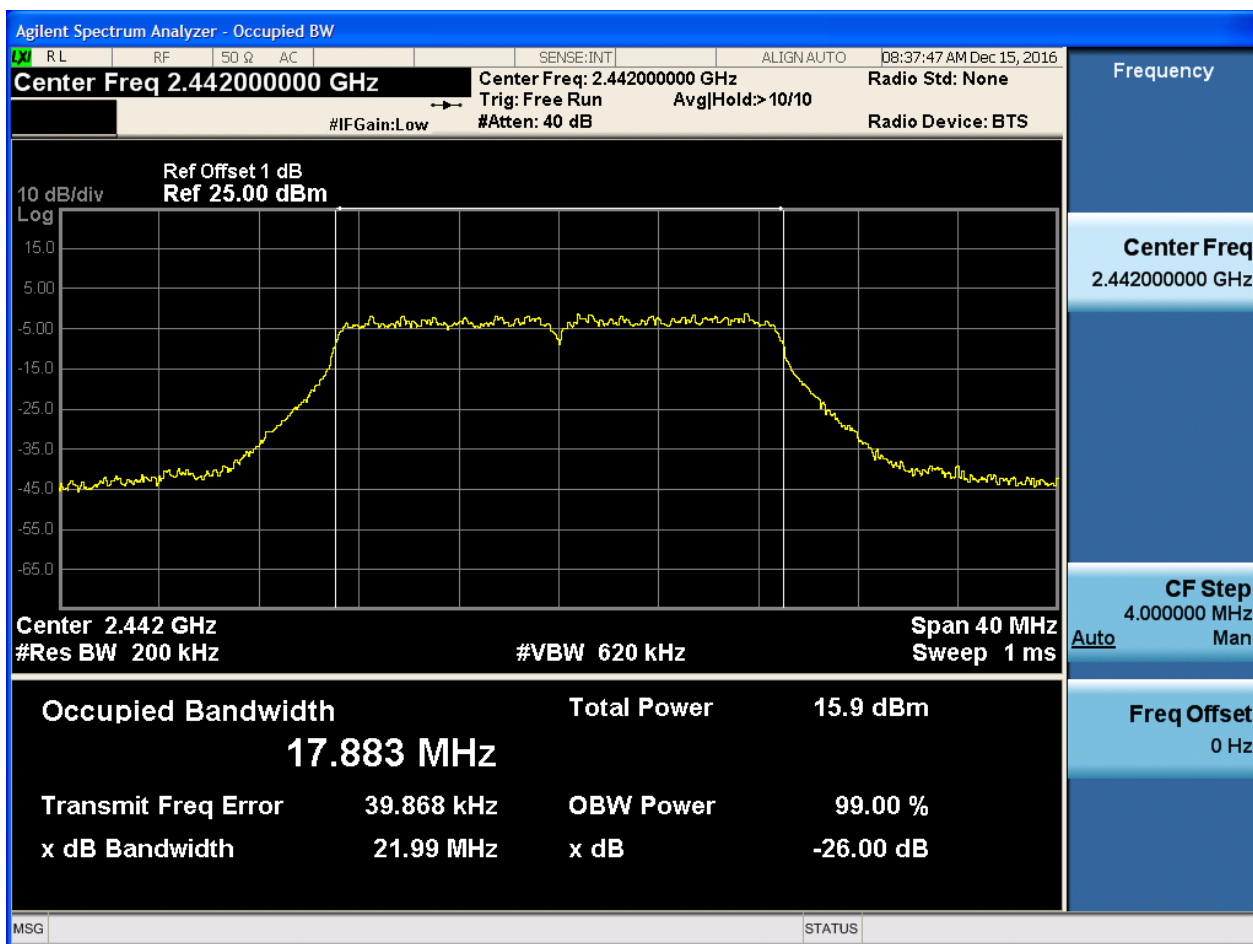




2.16 11N20_M@Ant 2

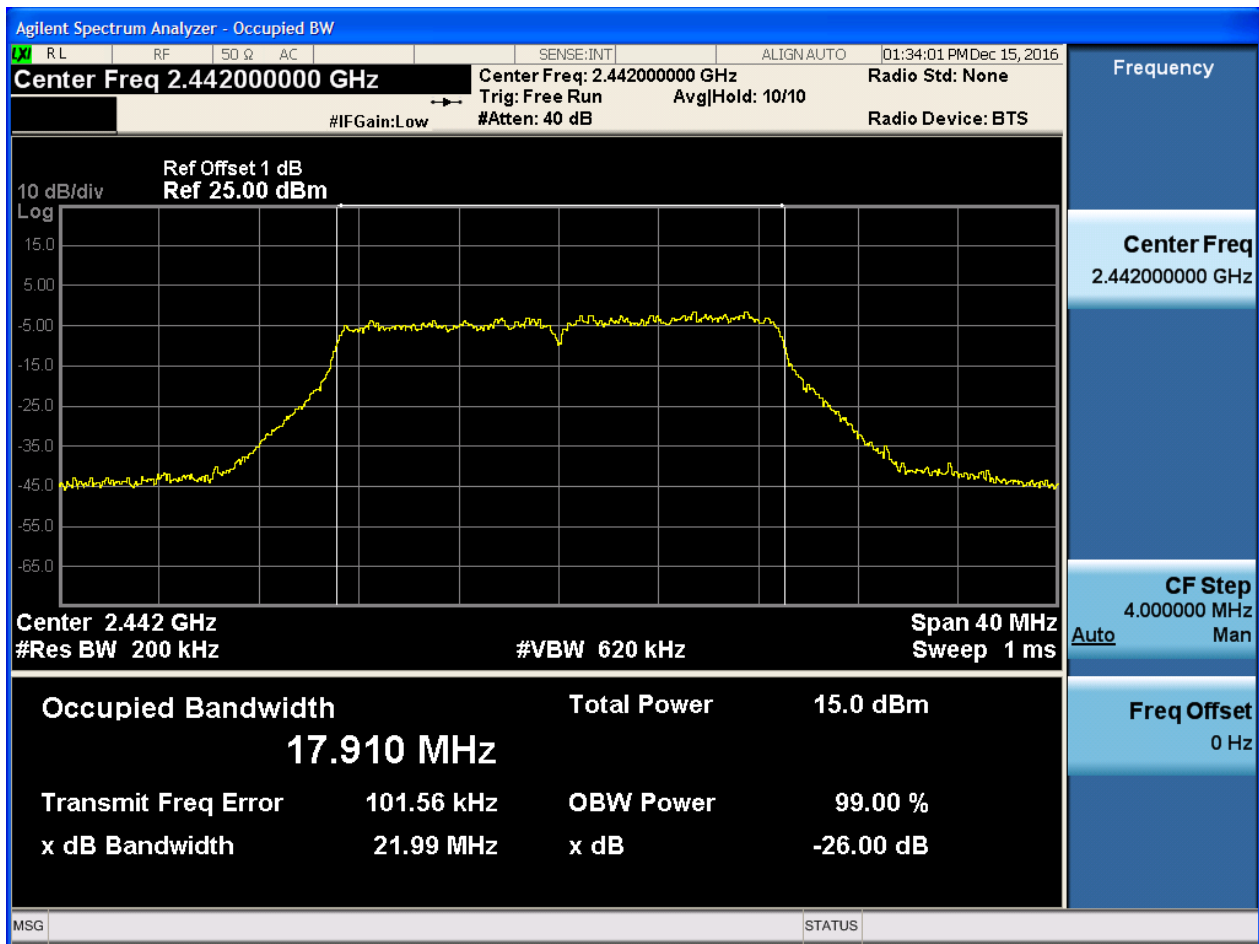


2.17 11N20_H@Ant 1



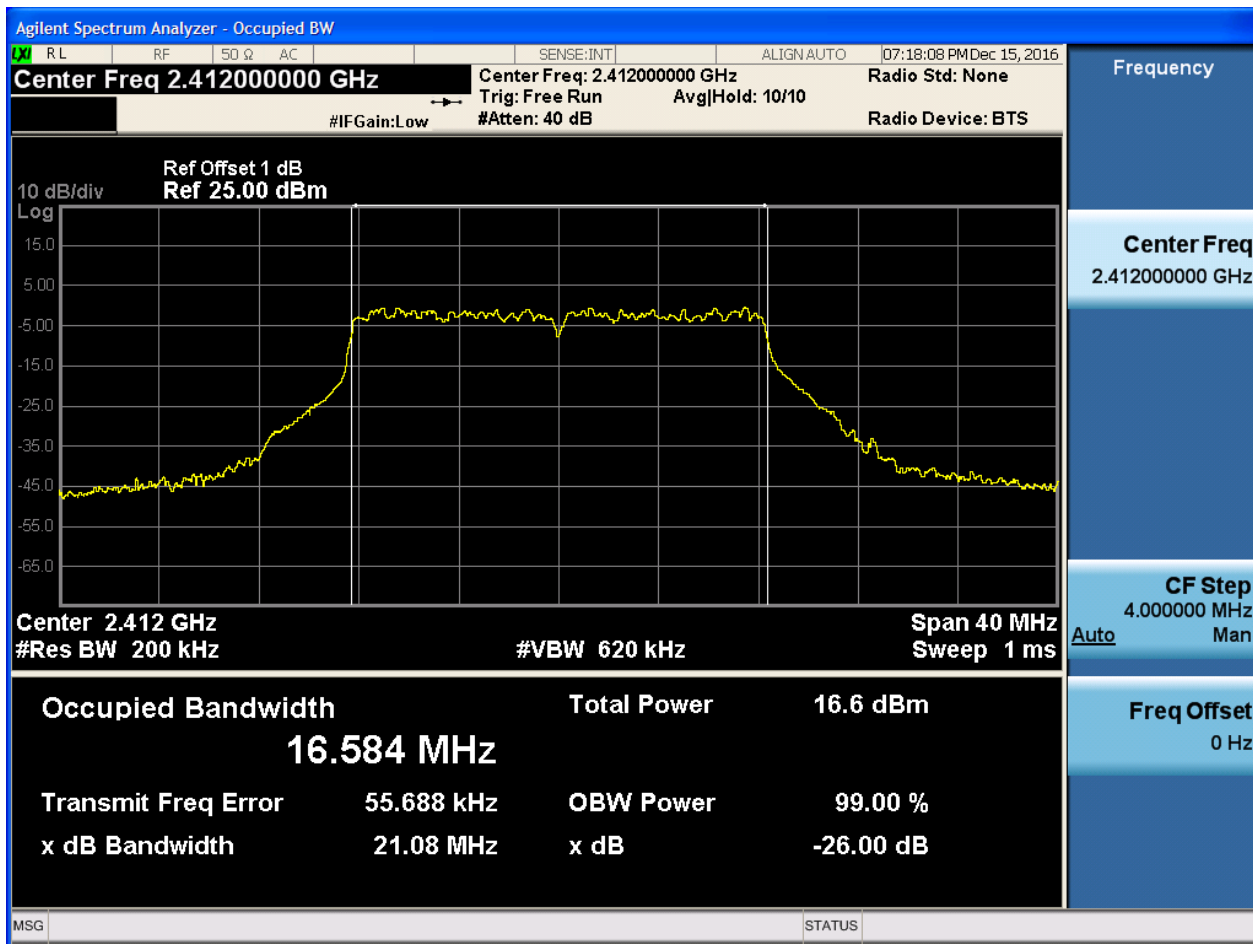


2.18 11N20_H@Ant 2



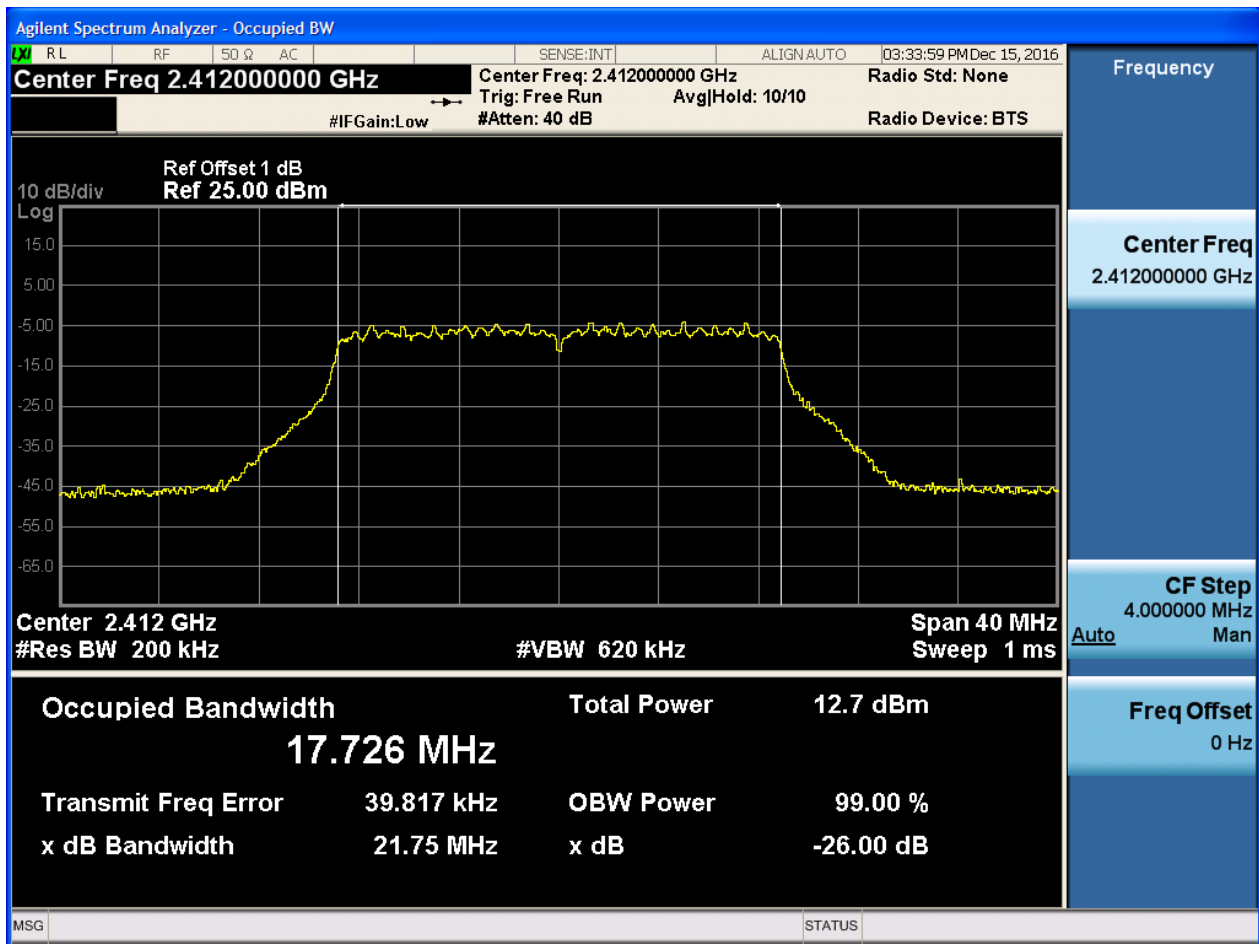


2.13 11N20m_L@Ant 1

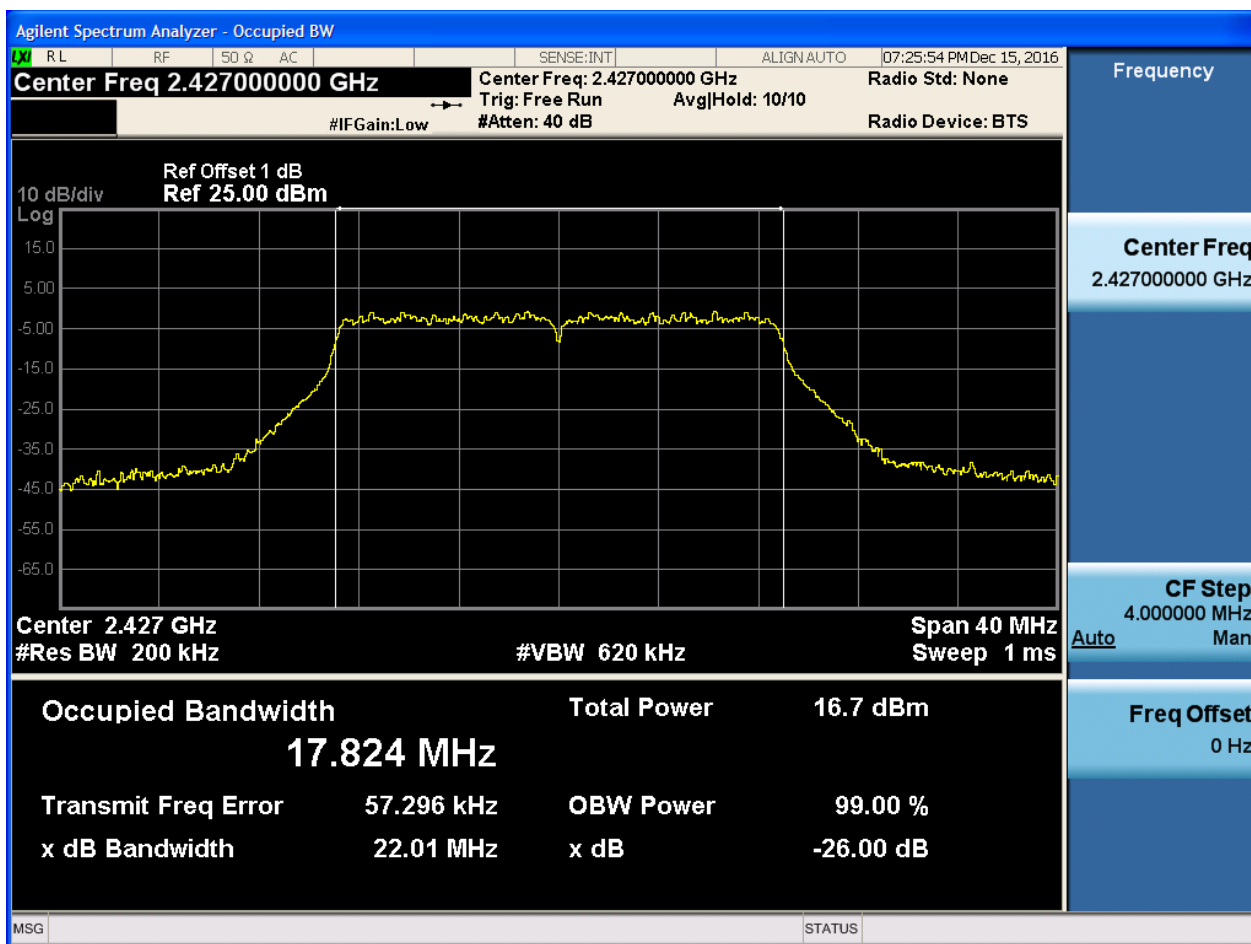




2.14 11N20m_L@Ant 2

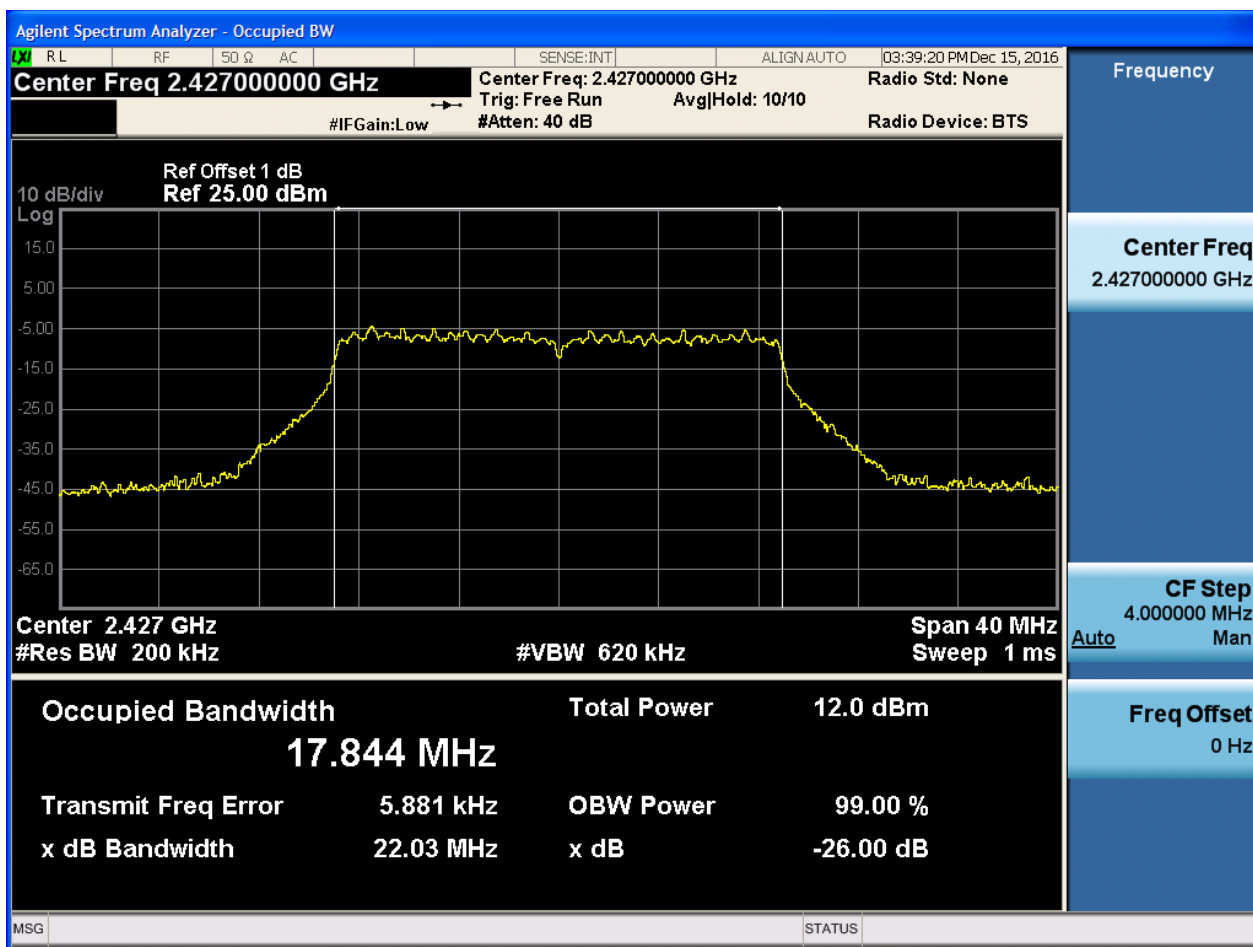


2.15 11N20m_M@Ant 1



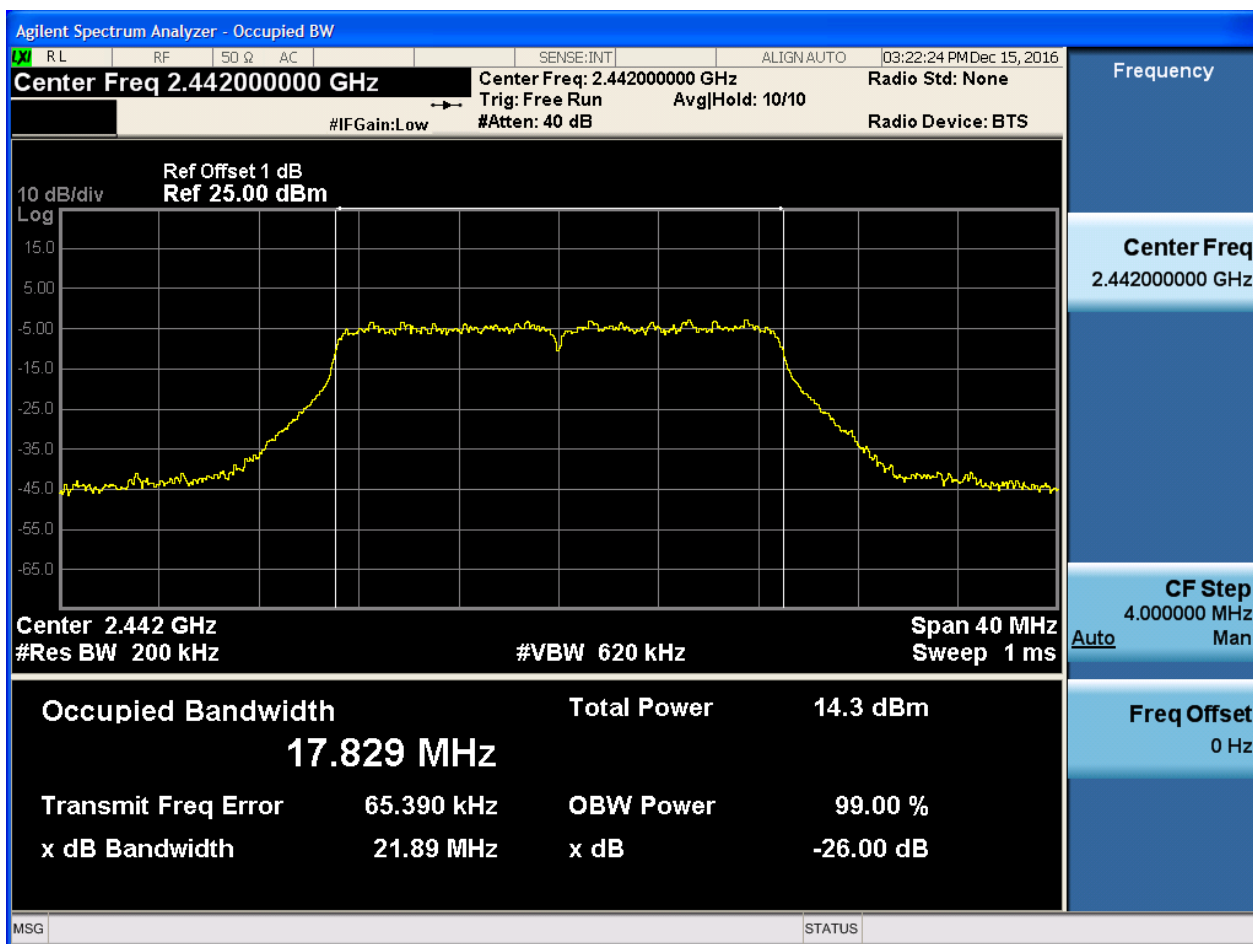


2.16 11N20m_M@Ant 2



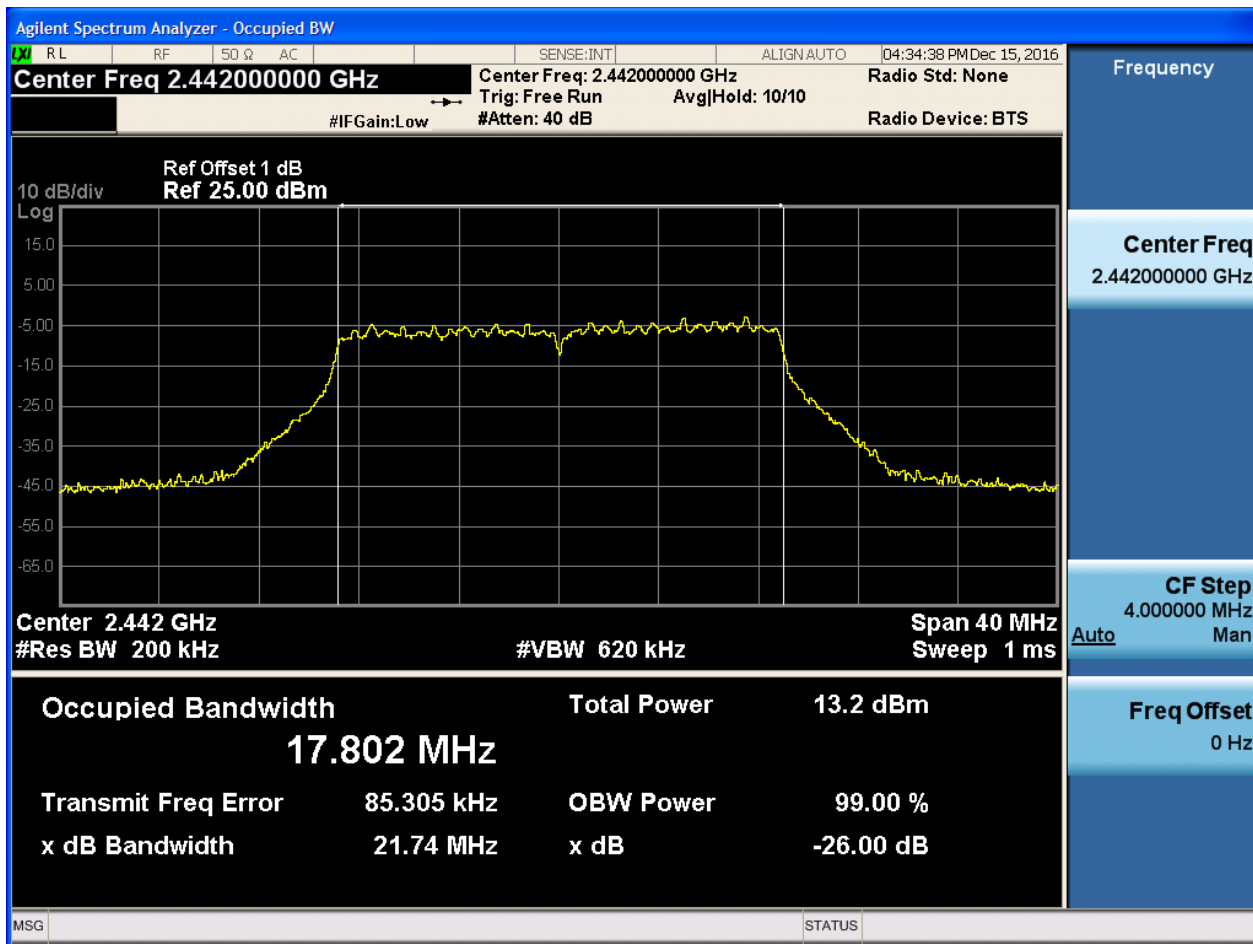


2.17 11N20m_H@Ant 1



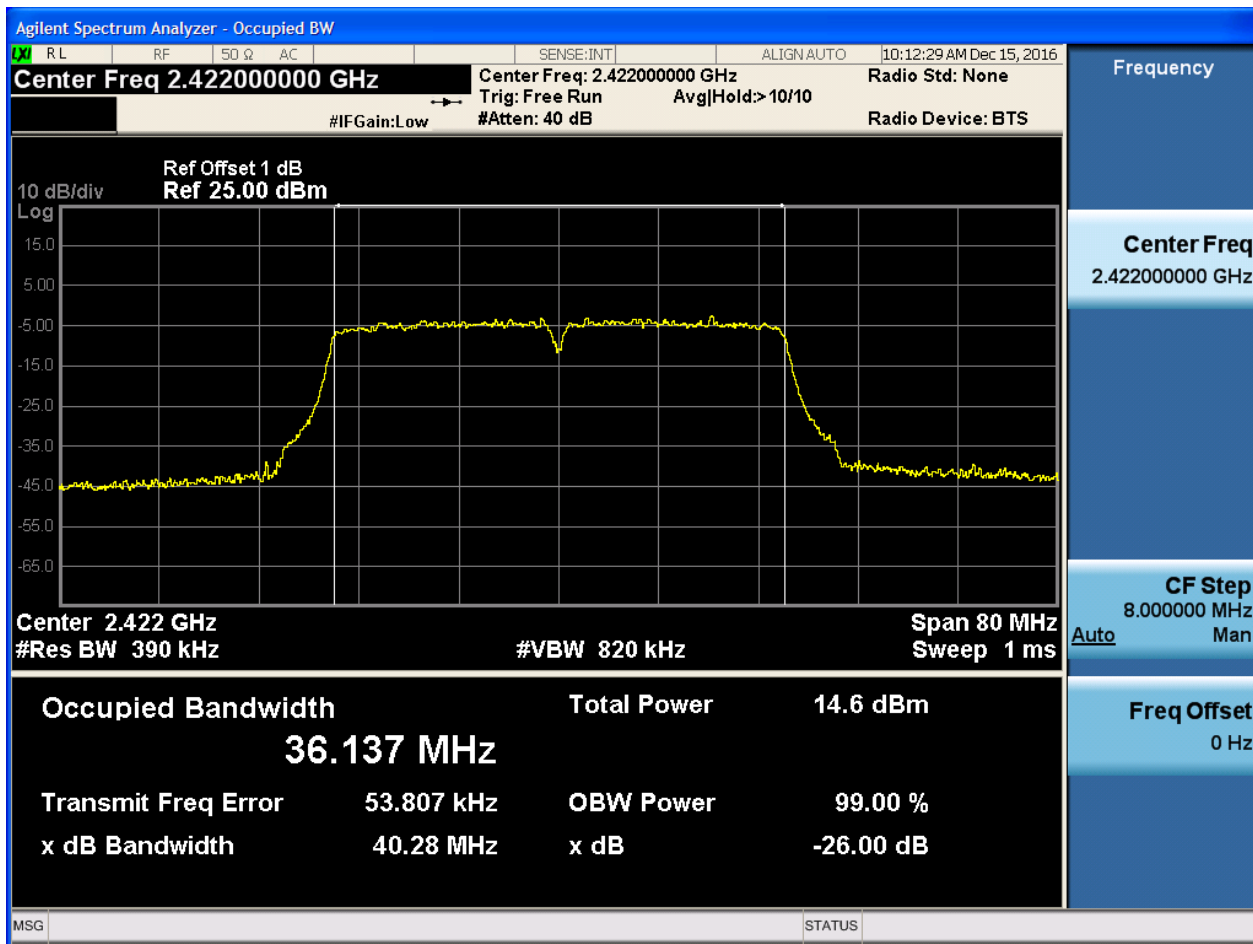


2.18 11N20m_H@Ant 2



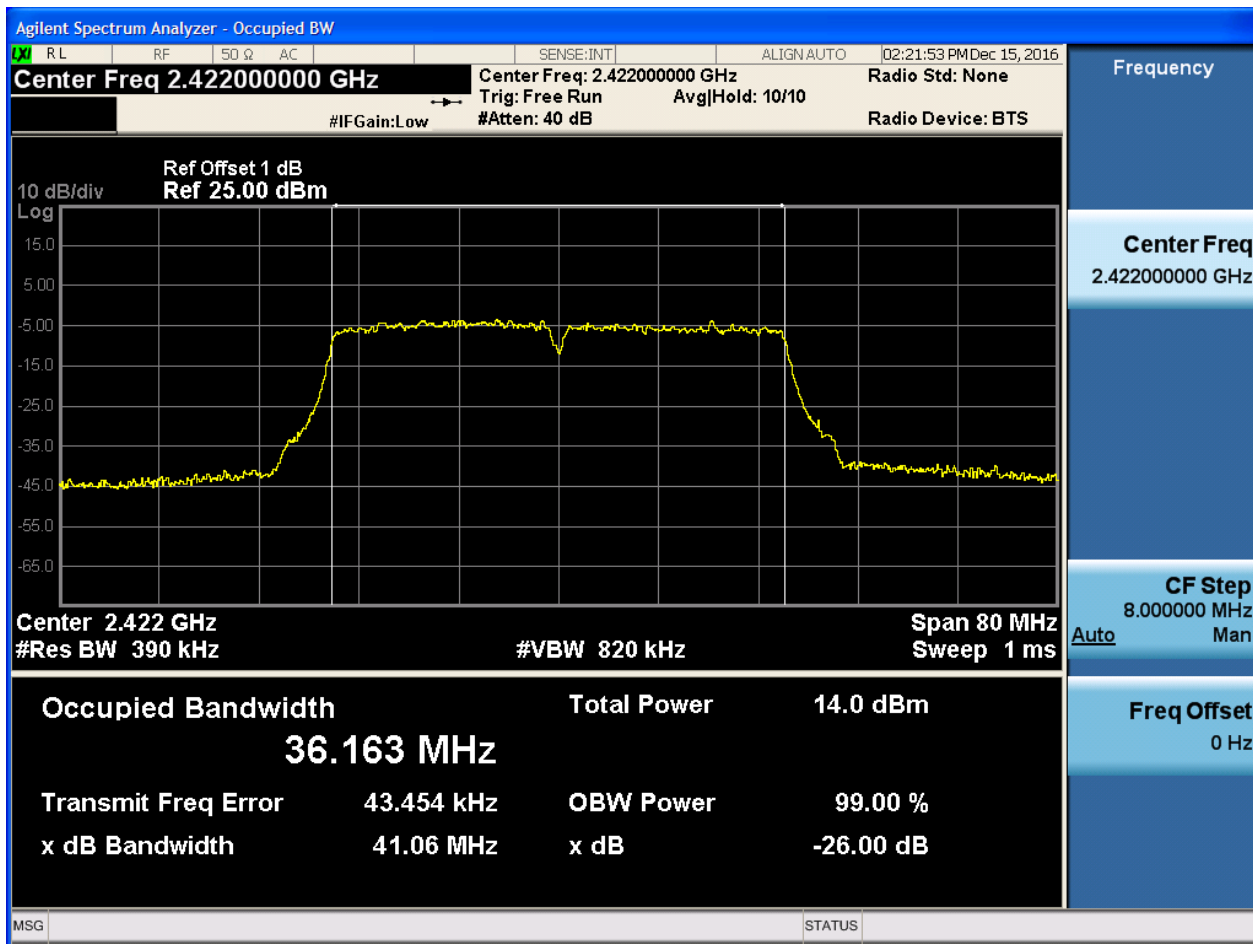


2.19 11N40_L@Ant 1

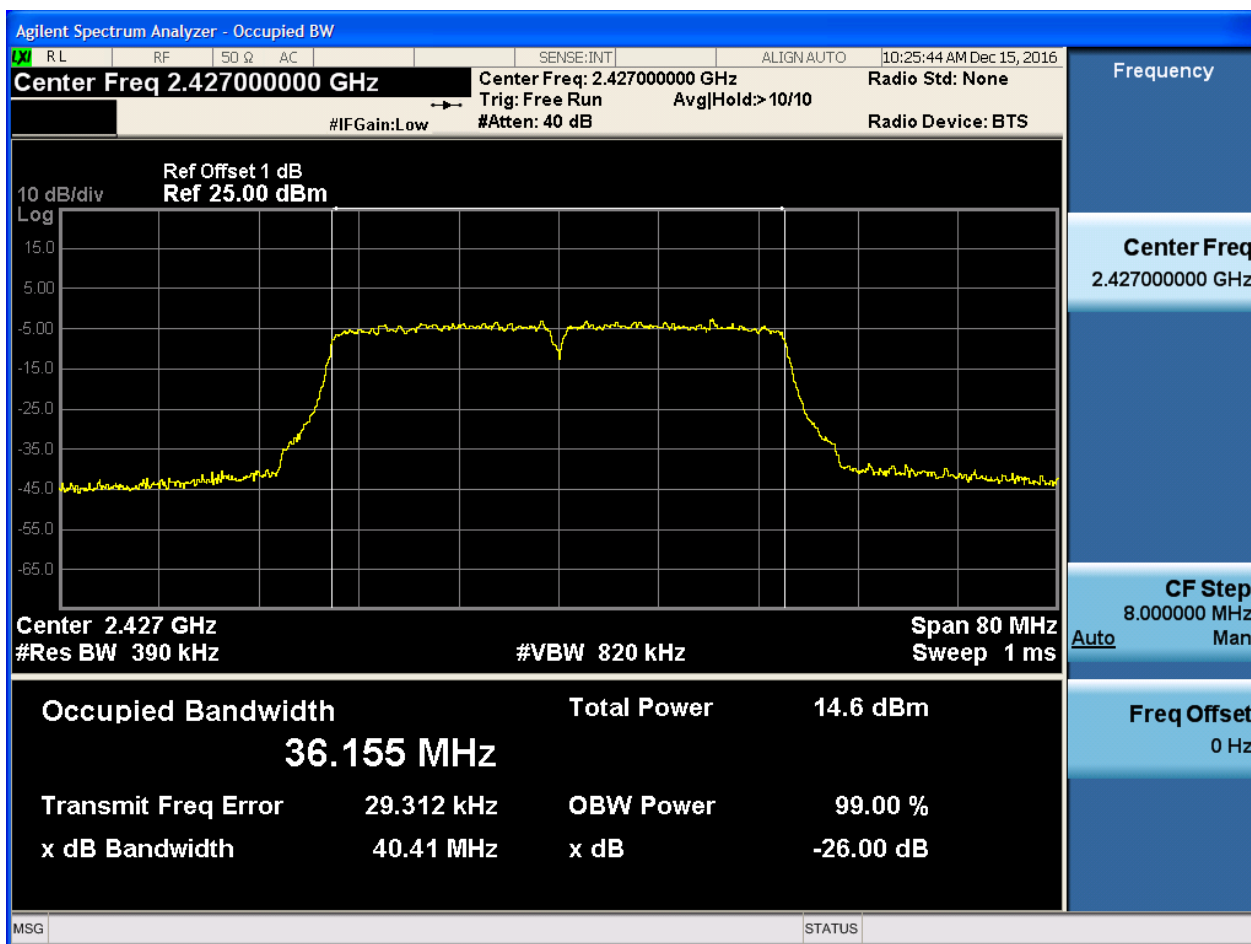




2.20 11N40_L@Ant 2

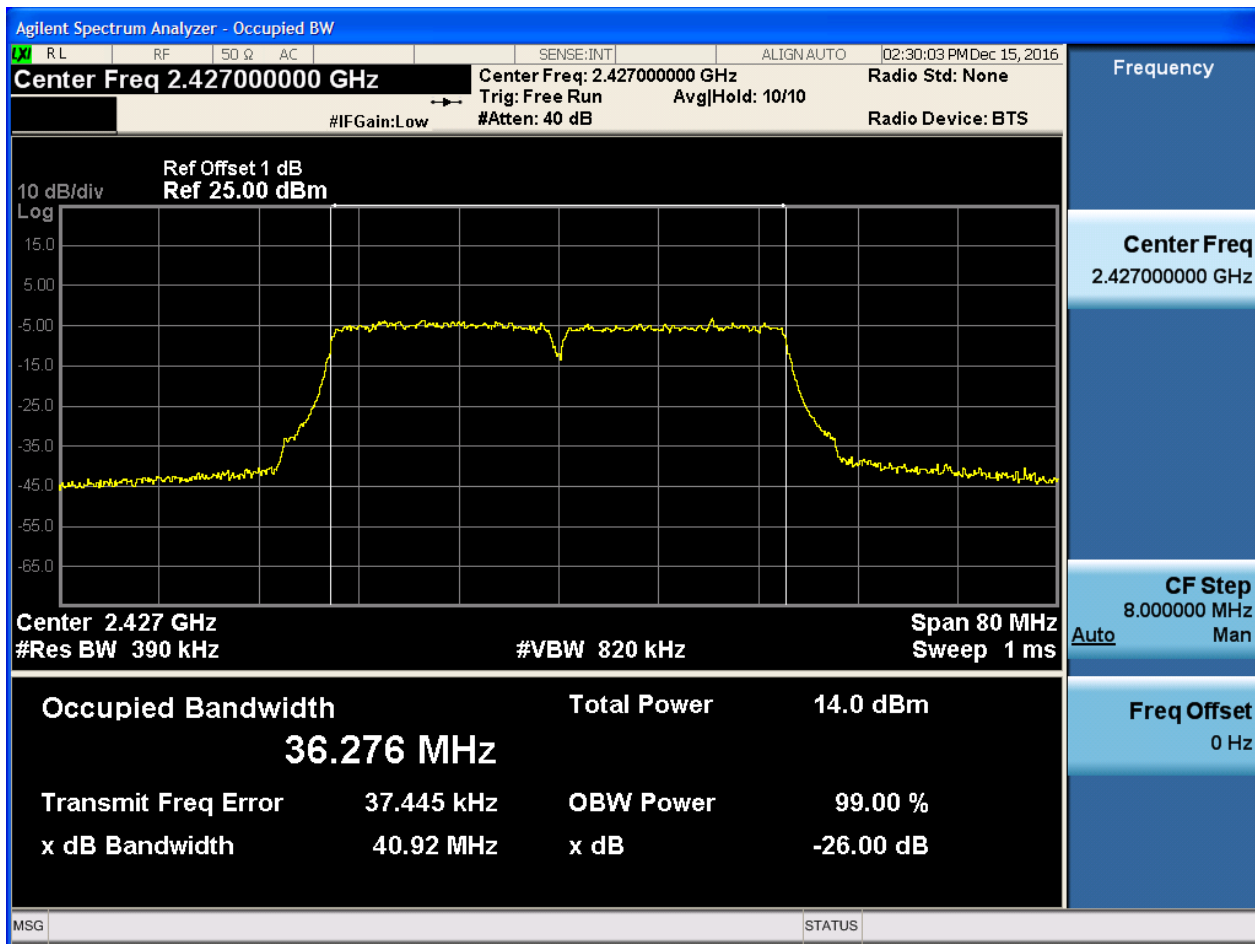


2.21 11N40_M@Ant 1



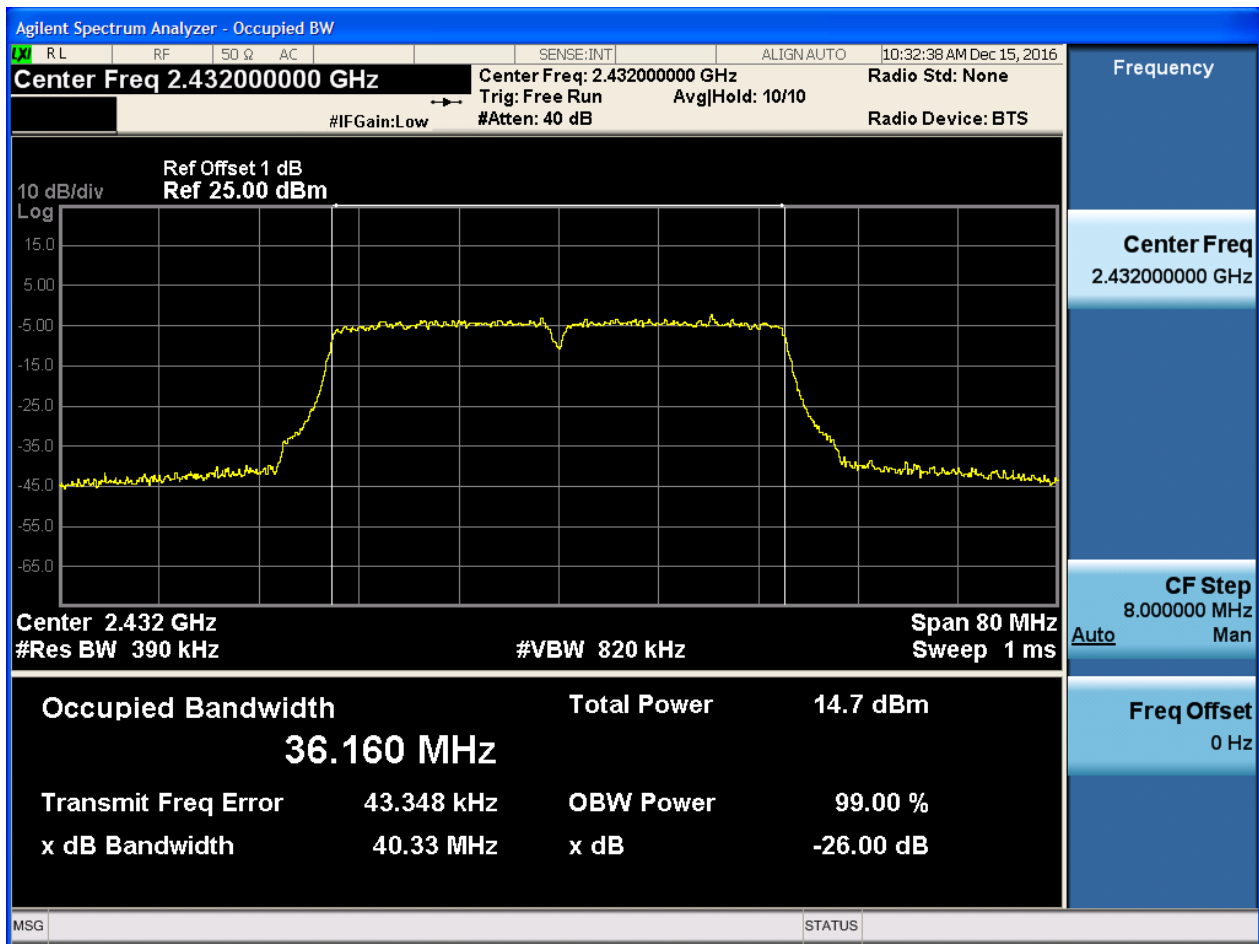


2.22 11N40_M@Ant 2



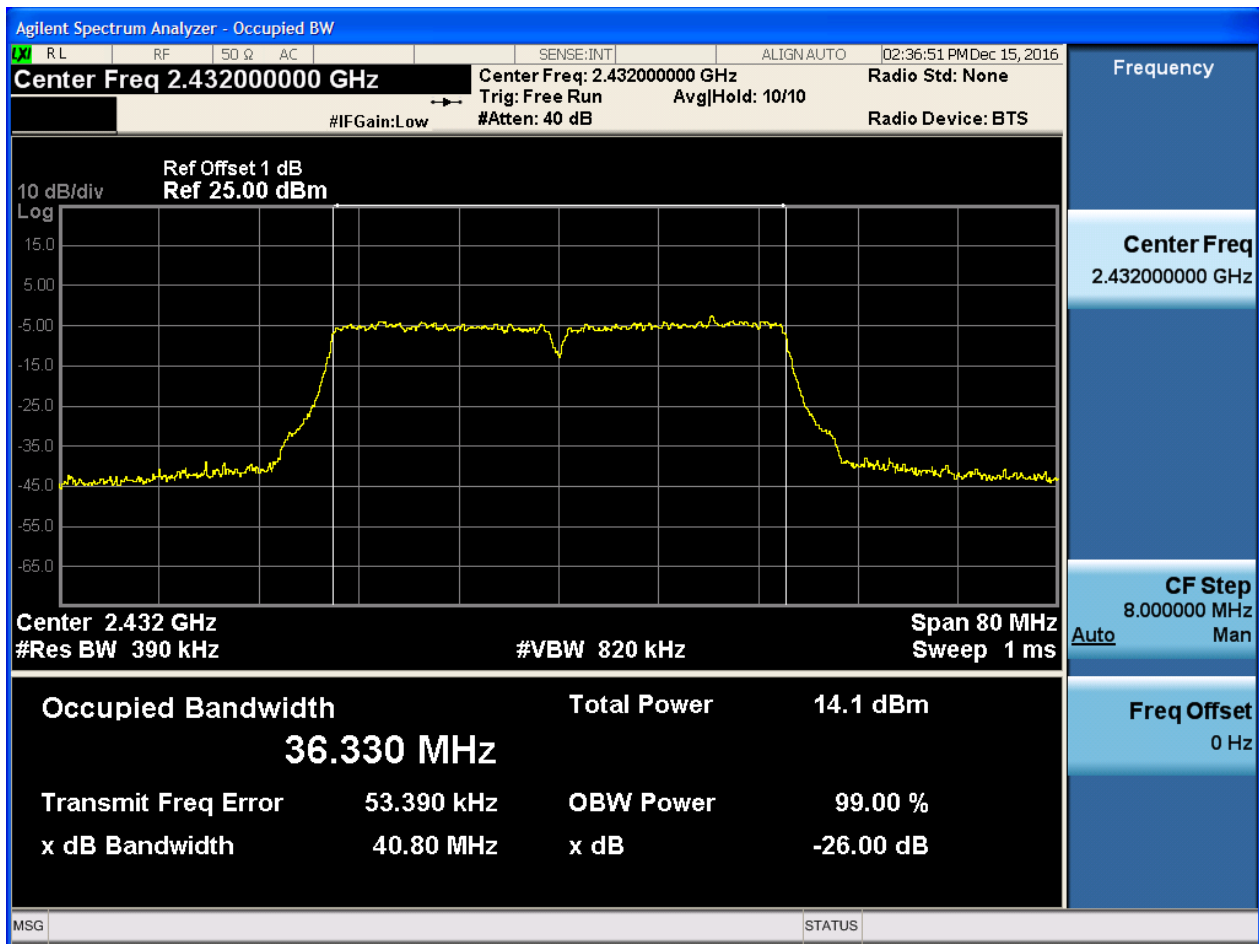


2.23 11N40_H@Ant 1



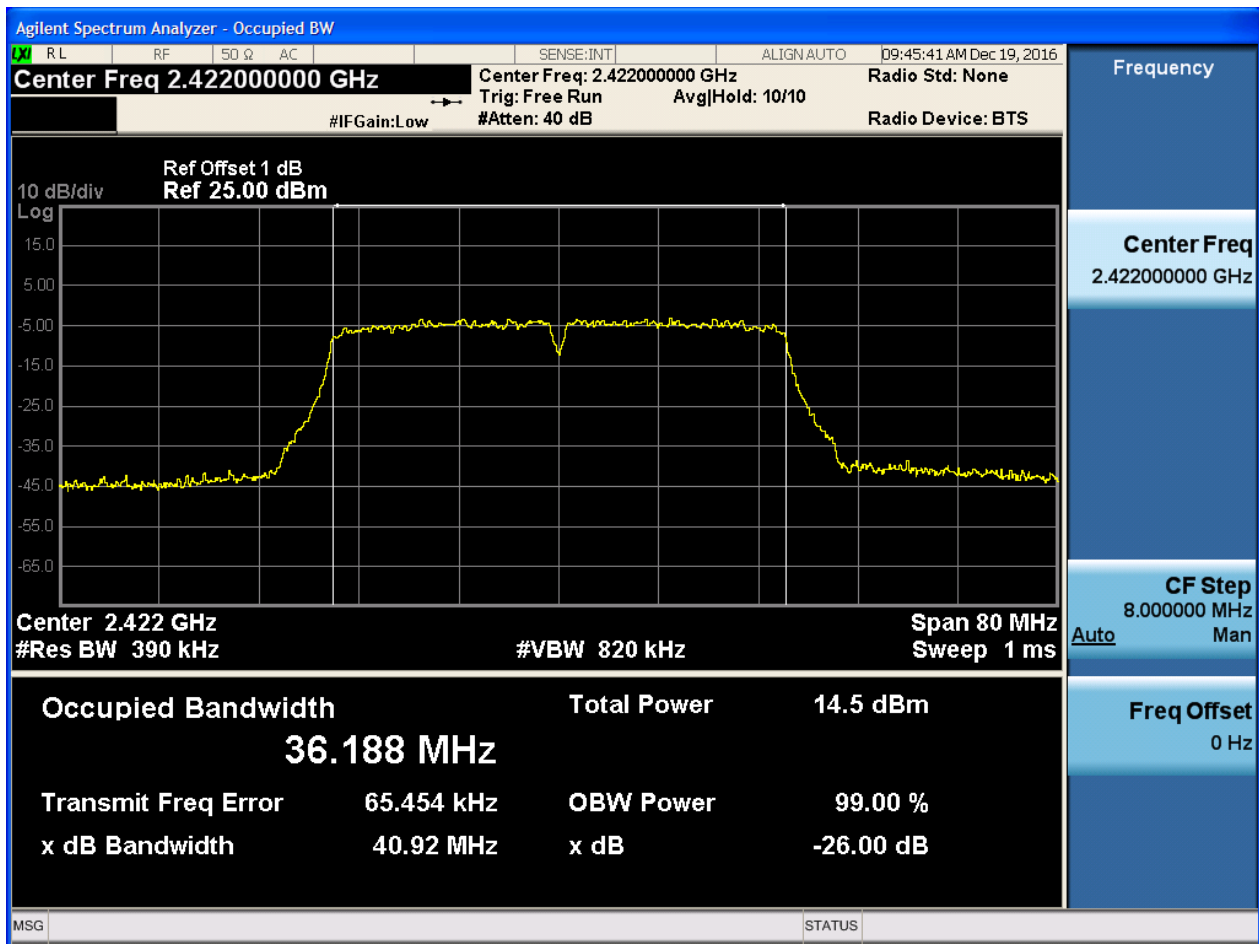


2.24 11N40_H@Ant 2



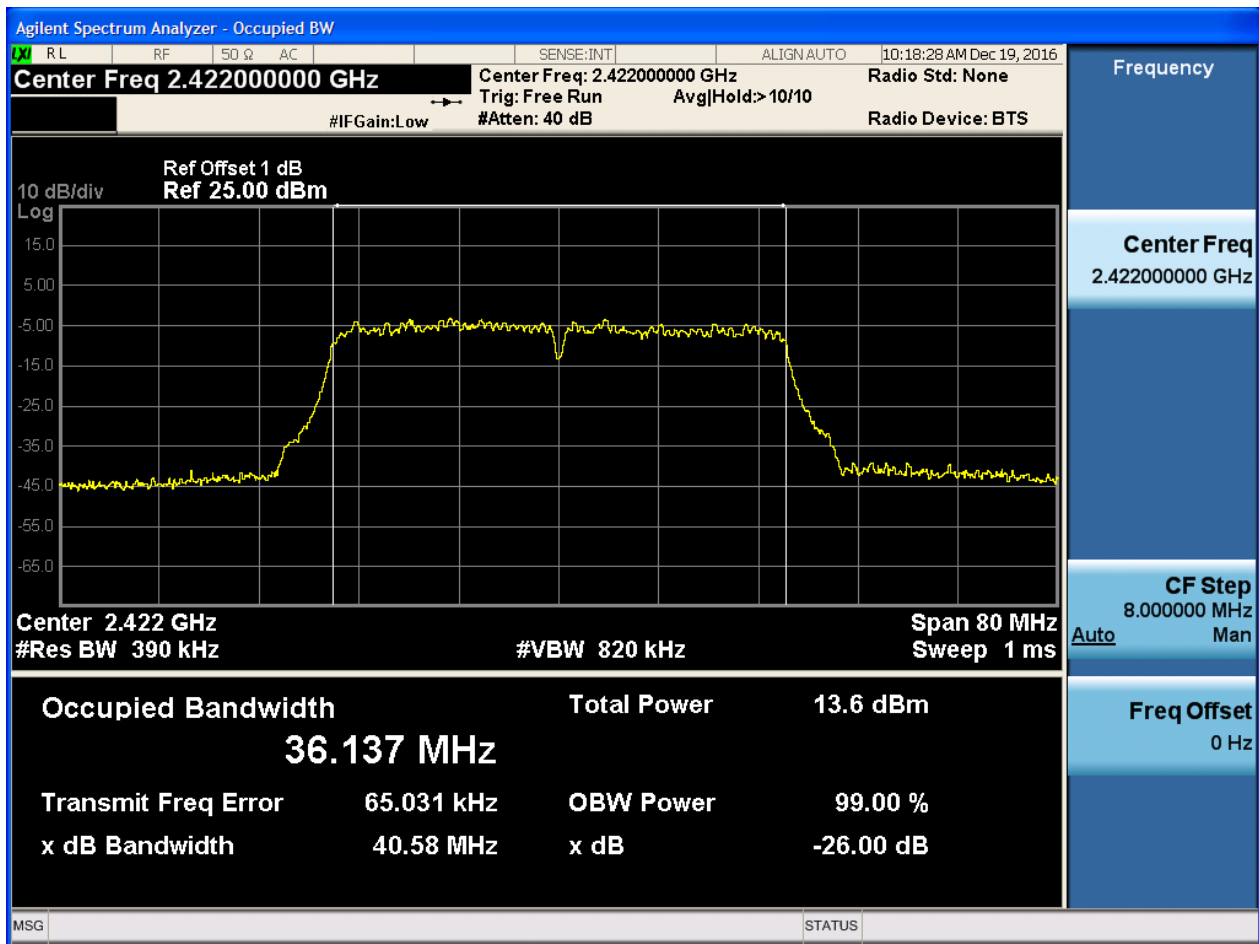


2.31 11N40m_L@Ant 1



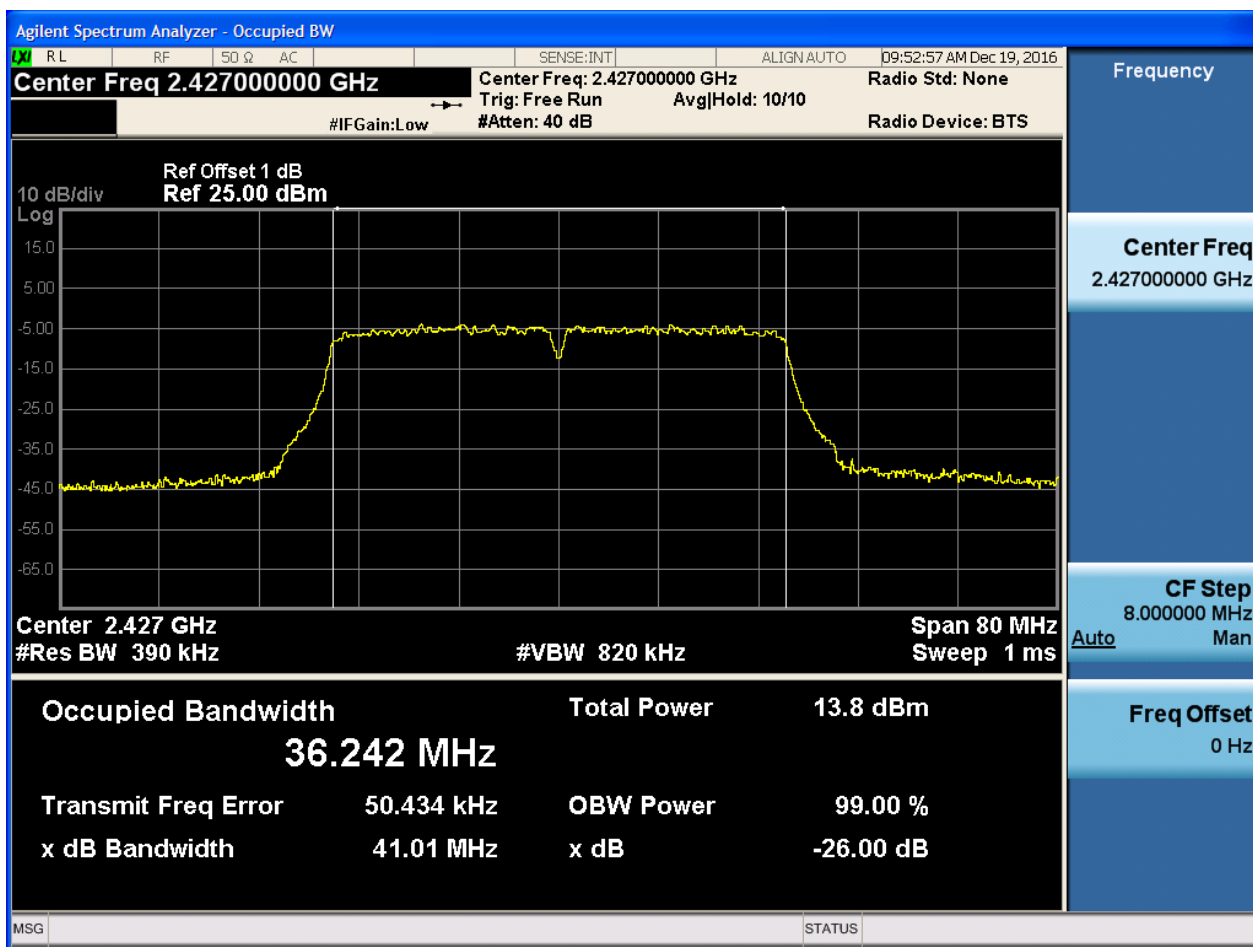


2.32 11N40m_L@Ant 2

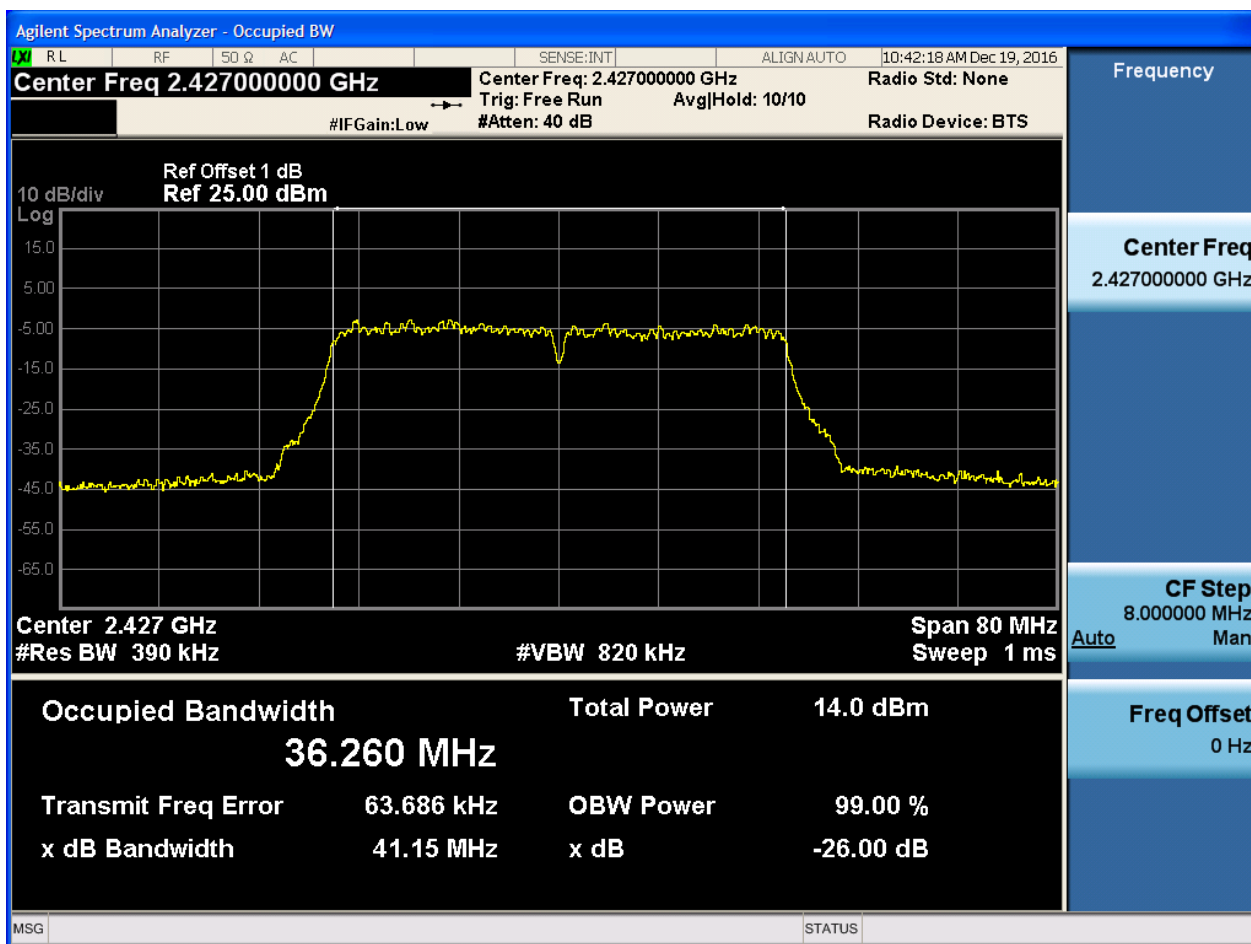




2.33 11N40m_M@Ant 1

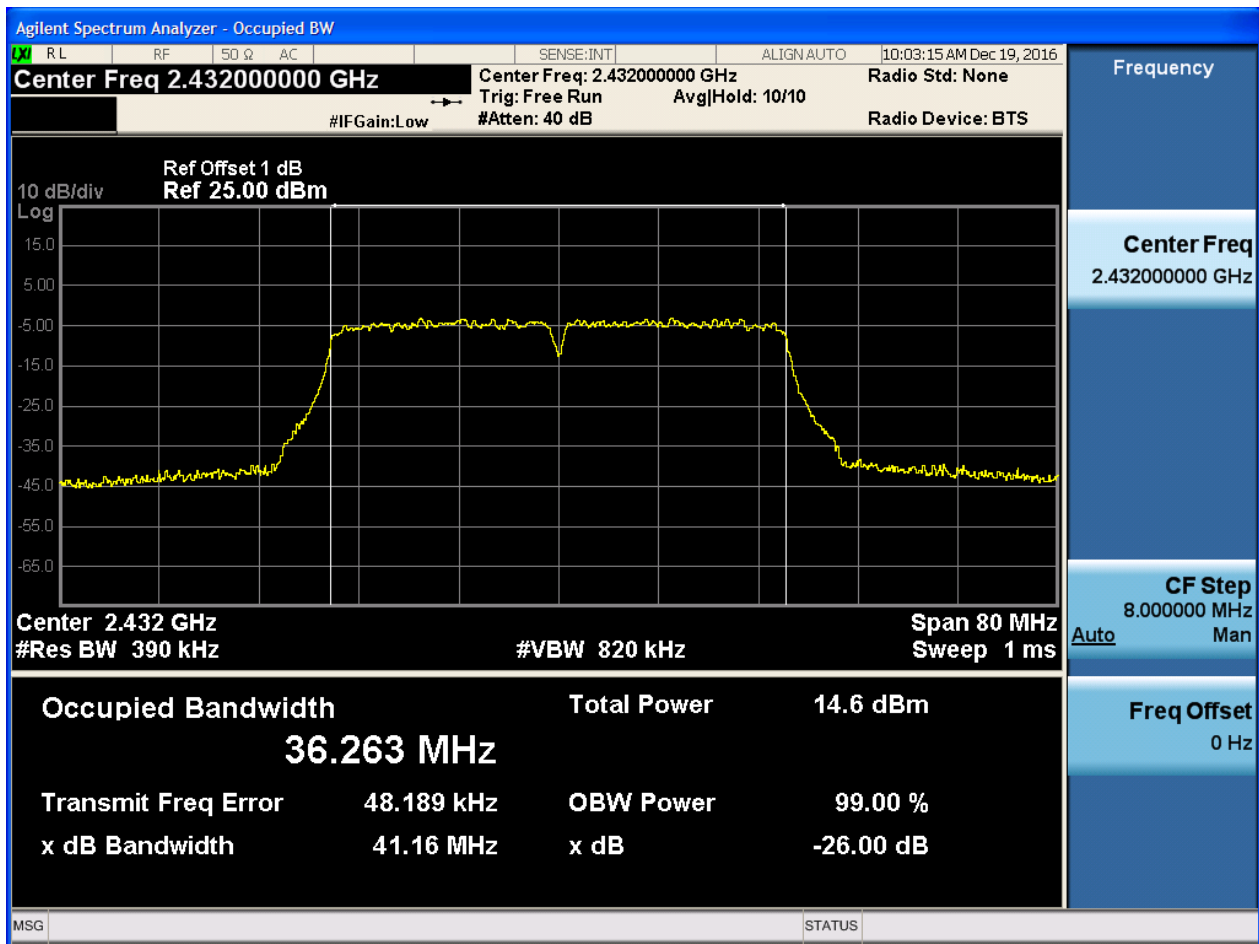


2.34 11N40m_M@Ant 2



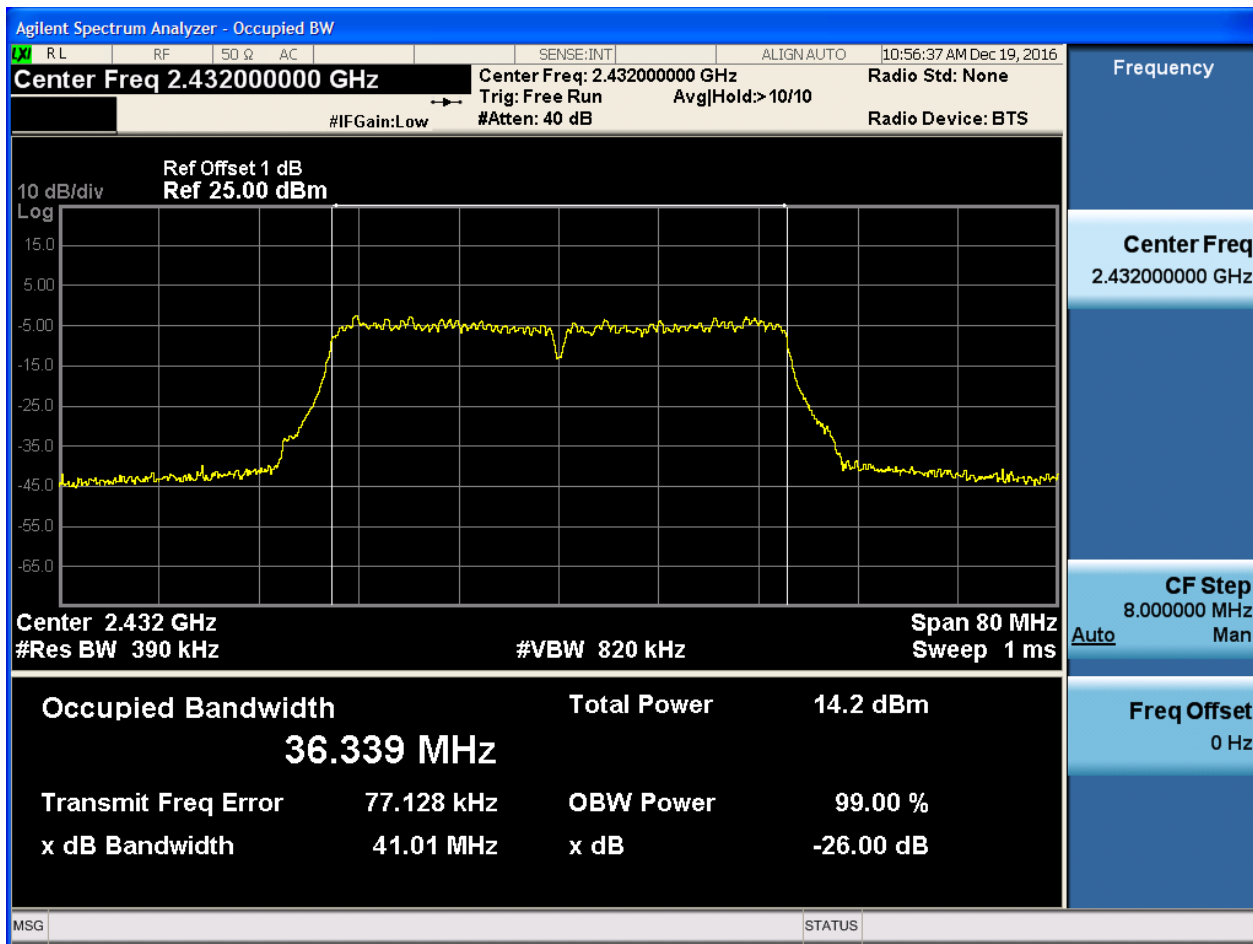


2.35 11N40m_H@Ant 1





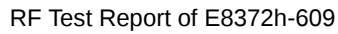
2.36 11N40m_H@Ant 2



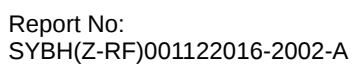
Appendix C: Duty Cycle

Part I - Test Results

Test Mode	TX Freq. [MHz]	Duty cycle [%]
11B	Ant 1: CH1,CH4,CH7	98
11B	Ant 2: CH1,CH4,CH7	98
11G	Ant 1: CH1,CH4,CH7	96
11G	Ant 2: CH1,CH4,CH7	93
11N_20	Ant 1: CH1,CH4,CH7	93
11N_20	Ant 2: CH1,CH4,CH7	93
11N_20m	Ant 1: CH1,CH4,CH7	93
11N_20m	Ant 2: CH1,CH4,CH7	94
11N_40	Ant 1: CH3,CH4,CH5	93
11N_40	Ant 1: CH3,CH4,CH5	93
11N_40m	Ant 1: CH3,CH4,CH5	91
11N_40m	Ant 1: CH3,CH4,CH5	89

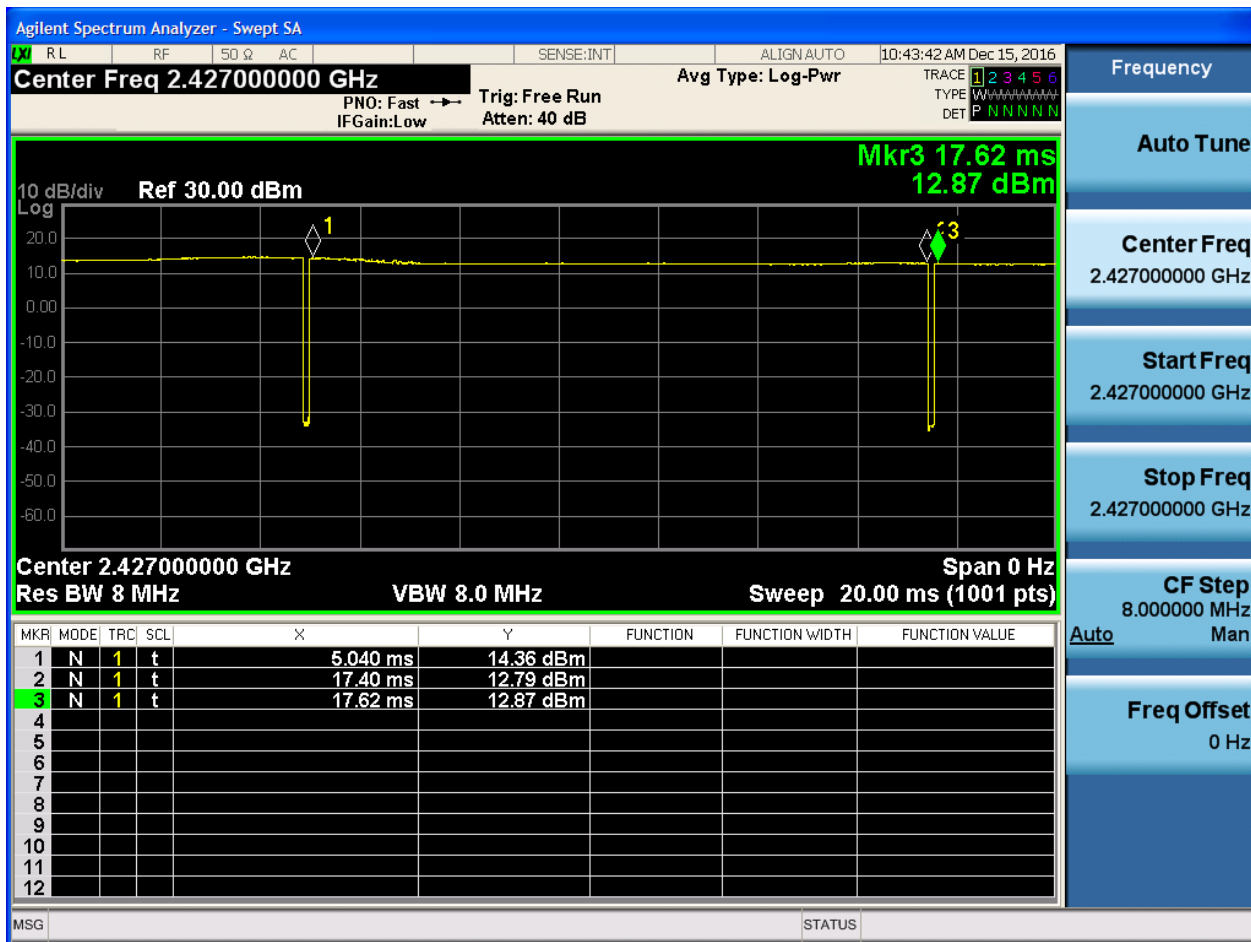


2.1 11B @Ant 1



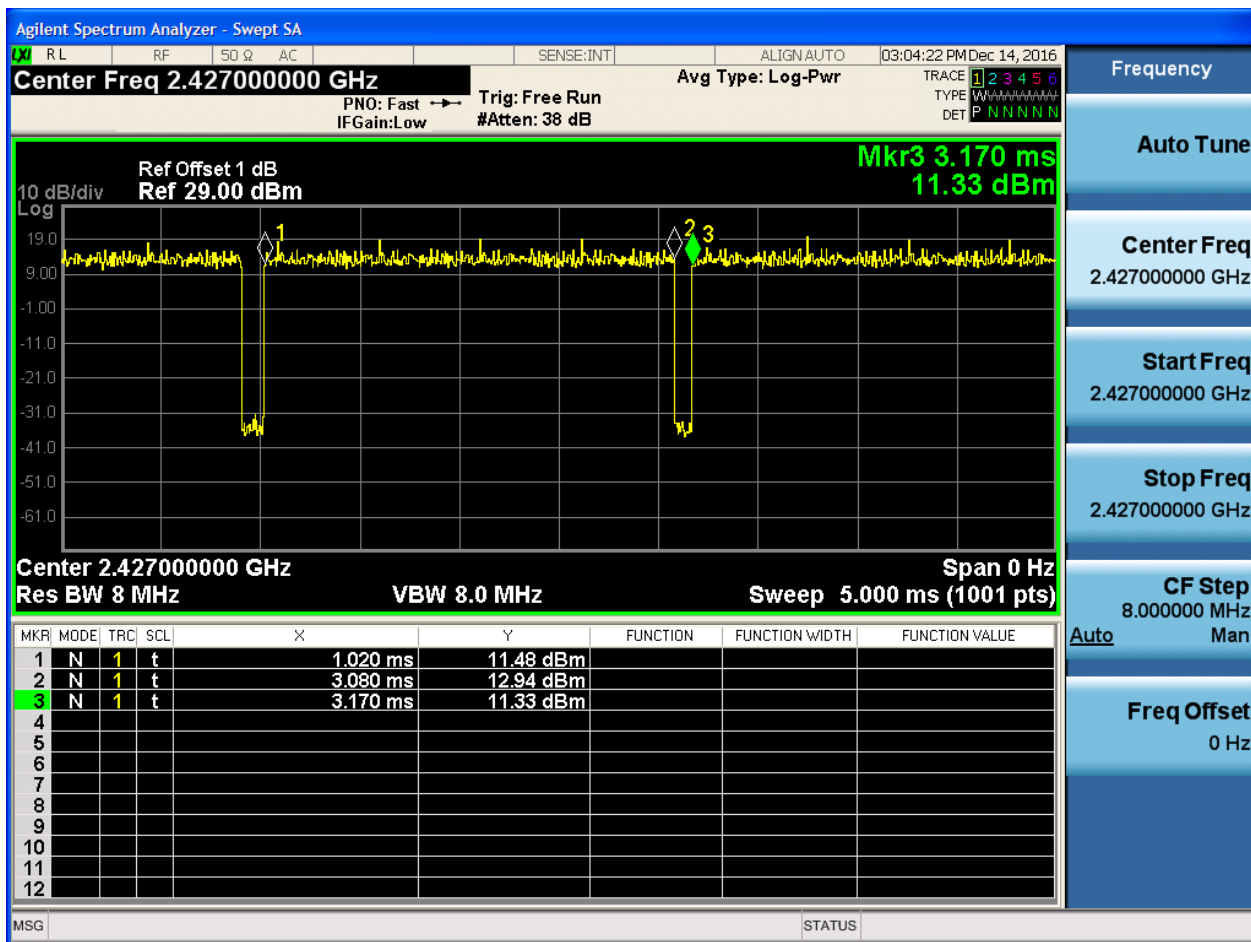


2.2 11B @Ant 2



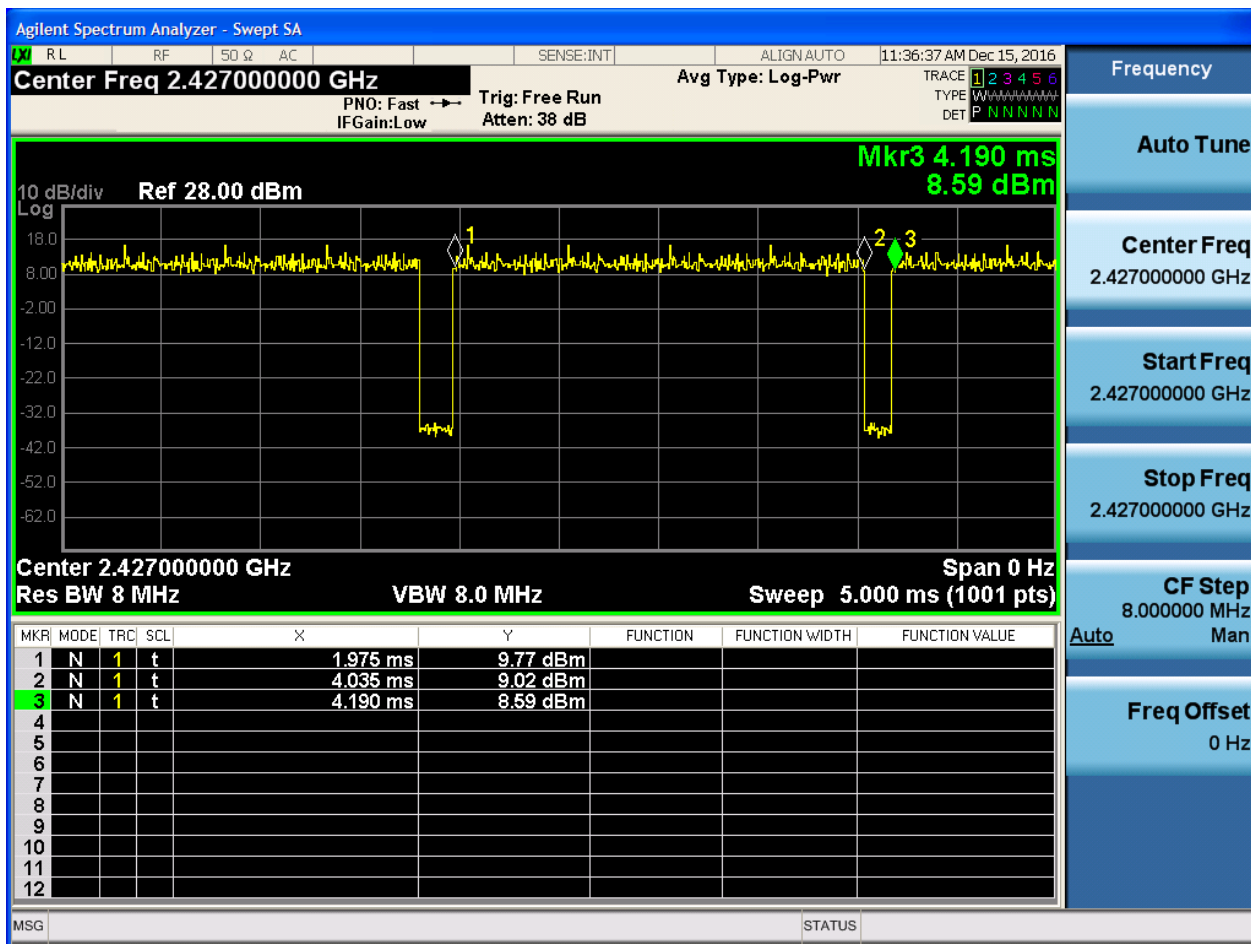


2.3 11G@Ant 1



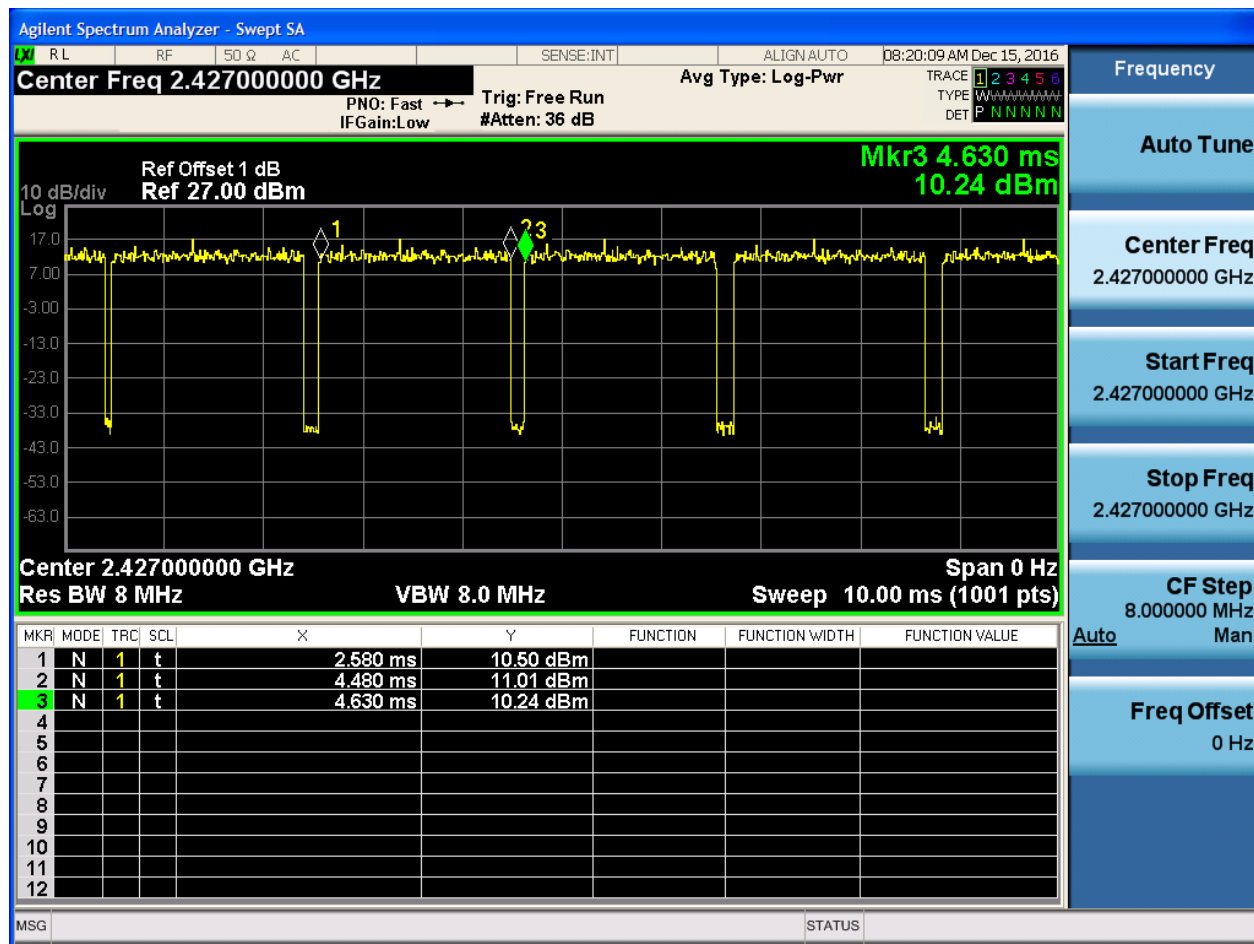


2.4 11G@Ant 2



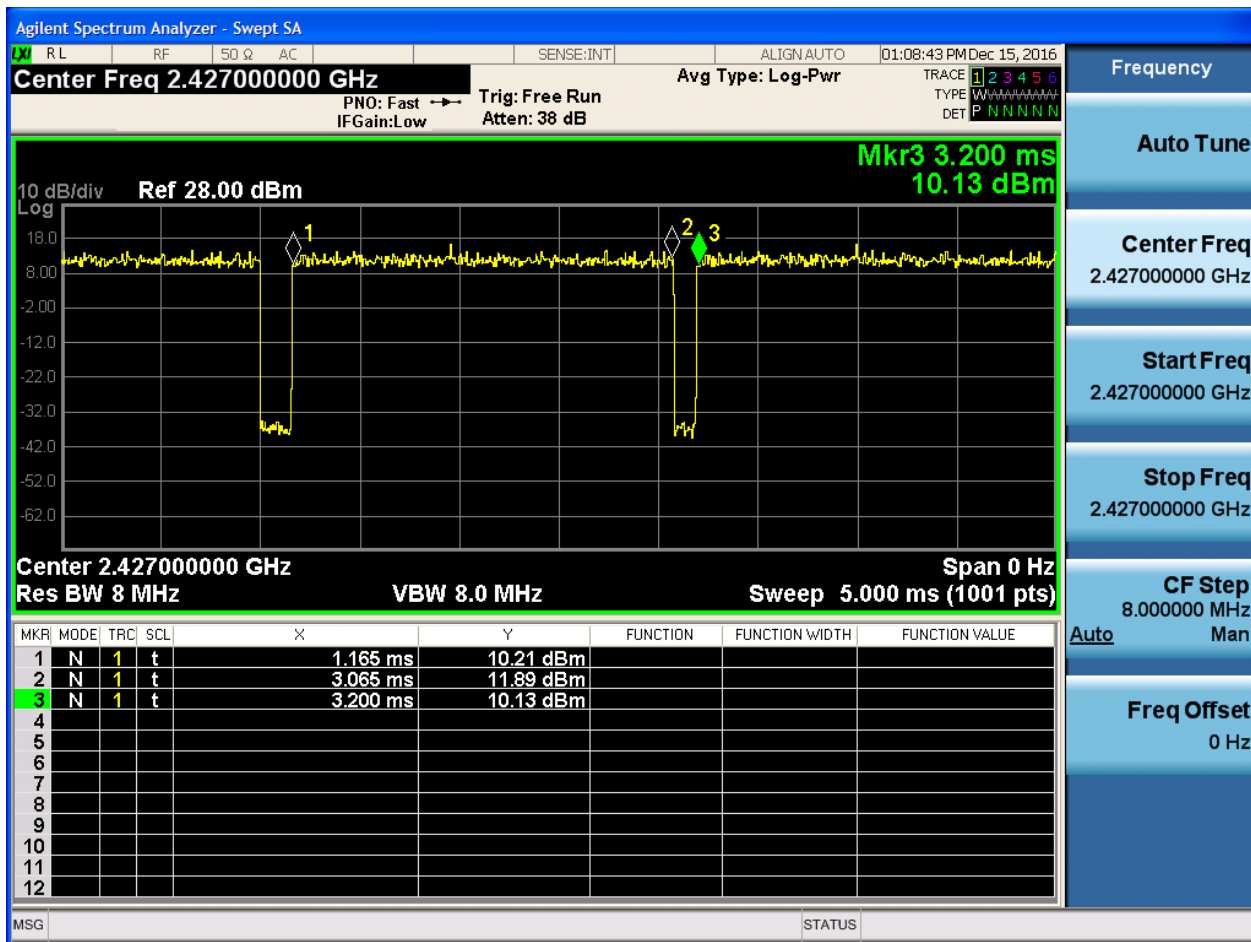


2.5 11N20@Ant 1



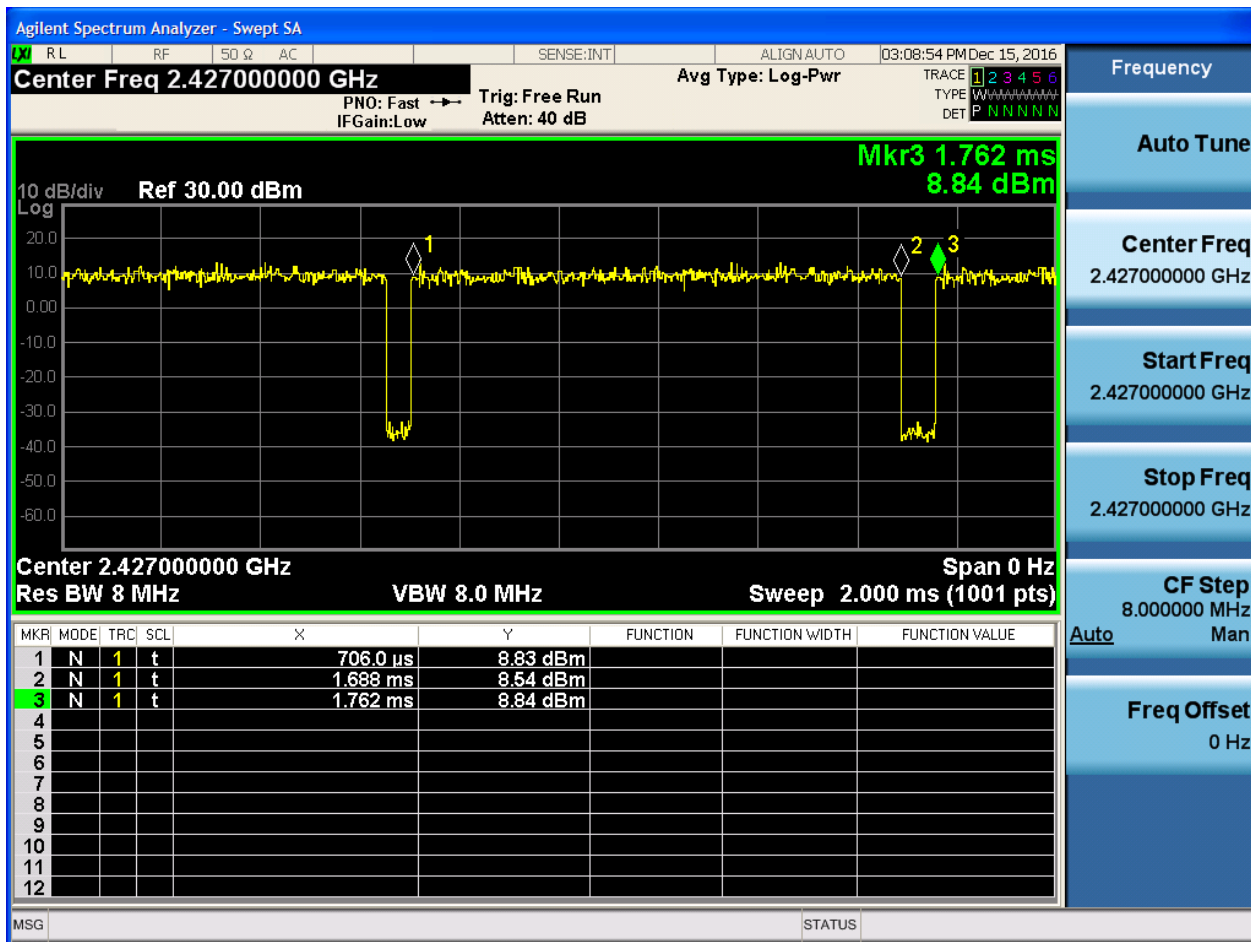


2.6 11N20@Ant 2



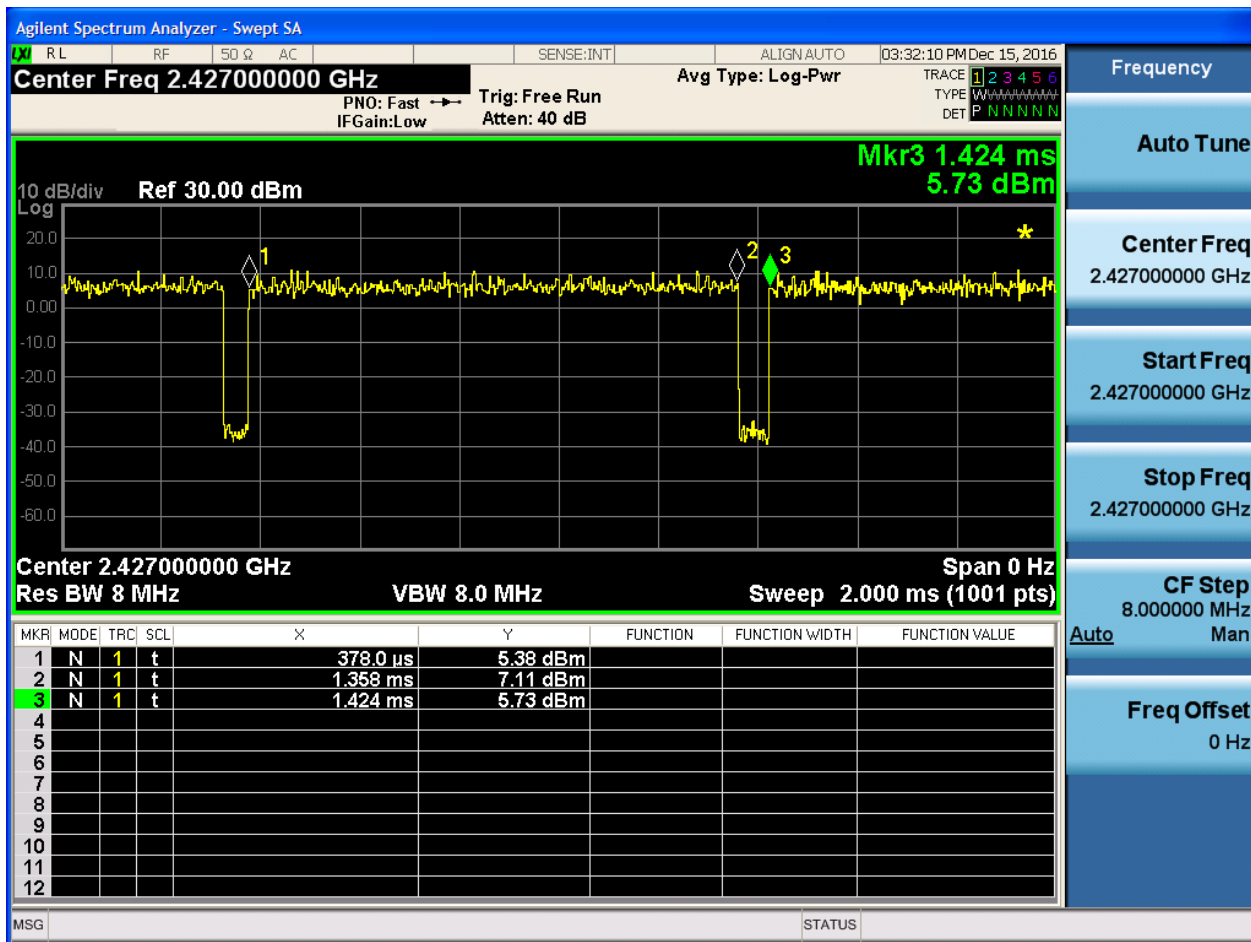


2.7 11N20m@Ant 1



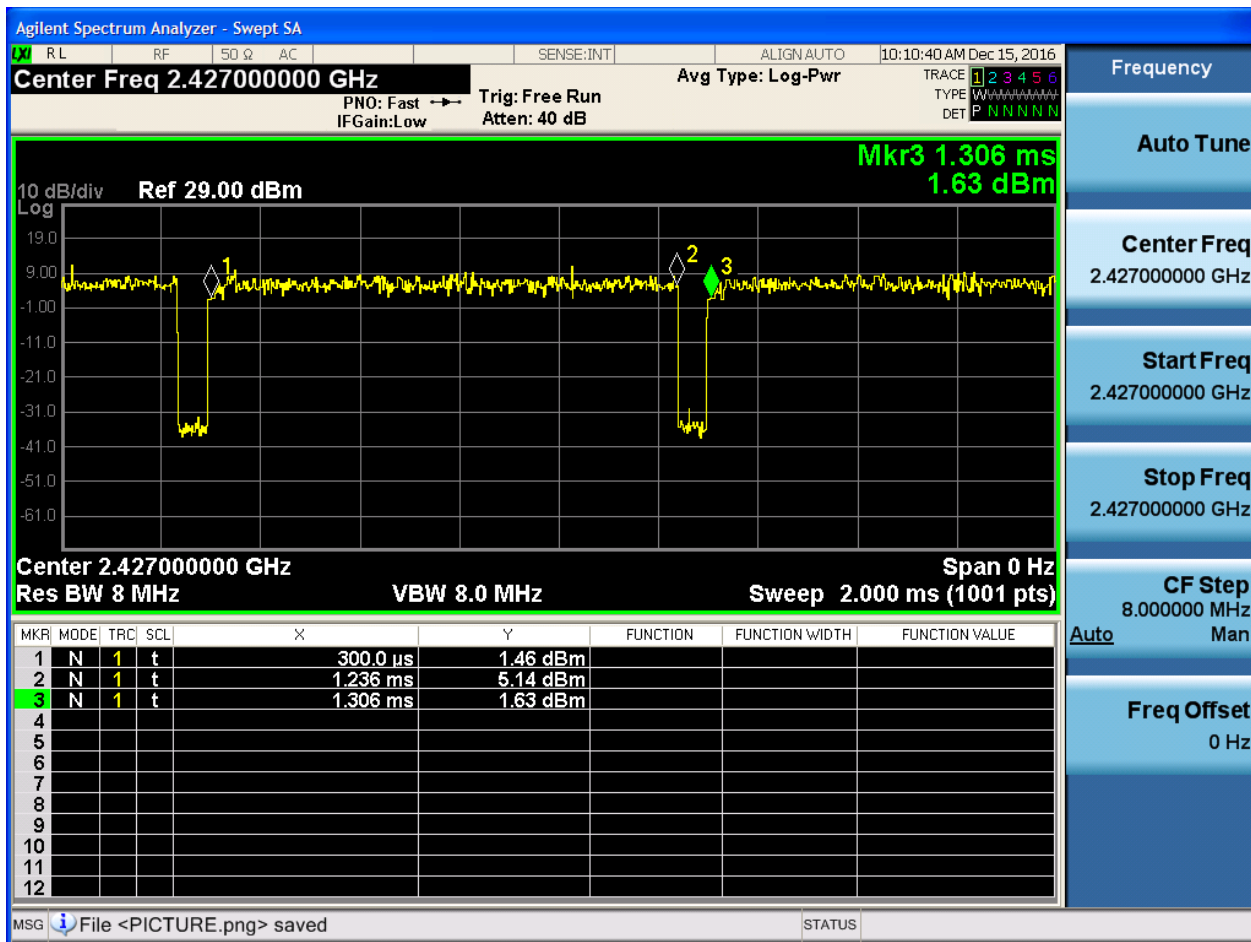


2.8 11N20m@Ant 2



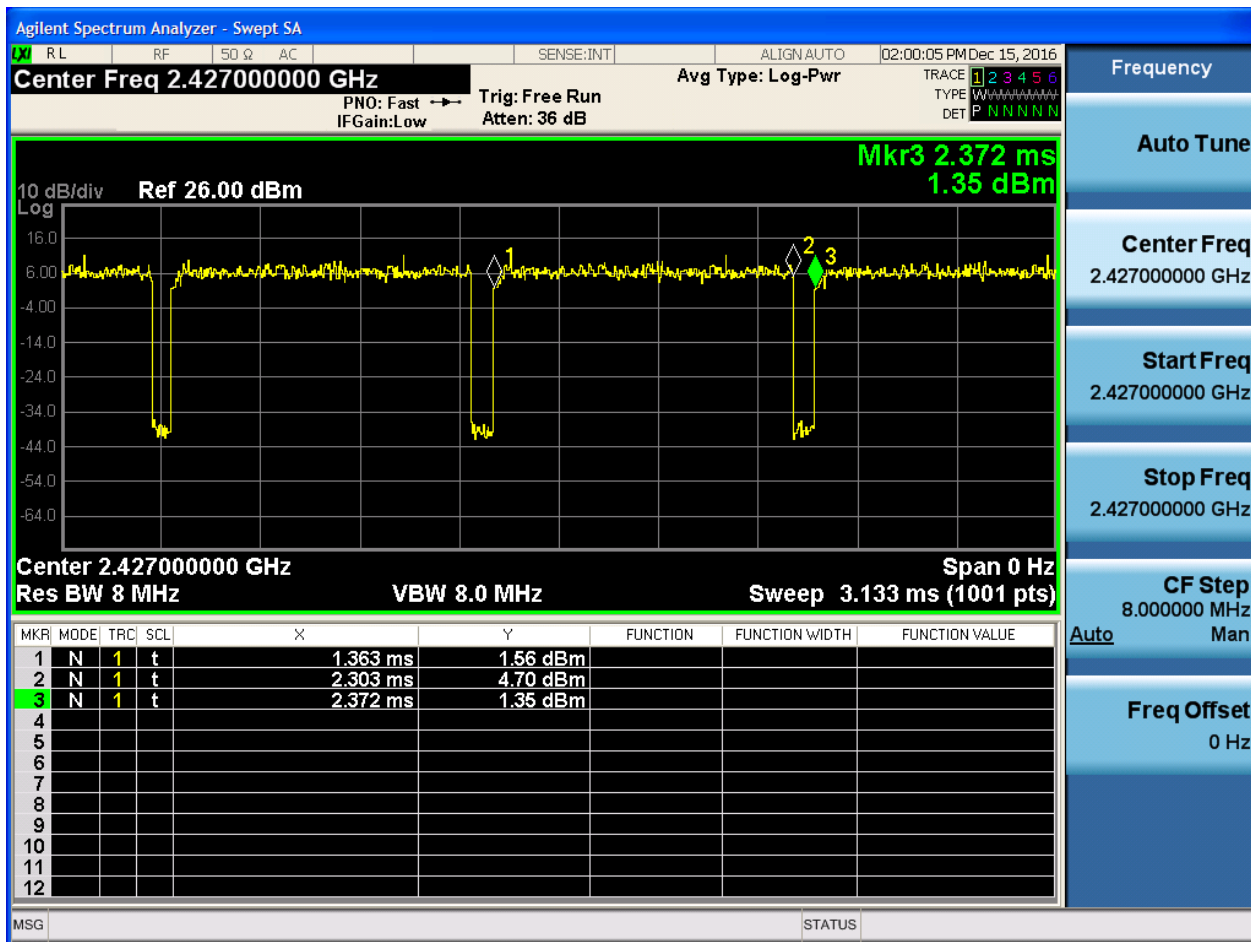


2.9 11N40@Ant 1



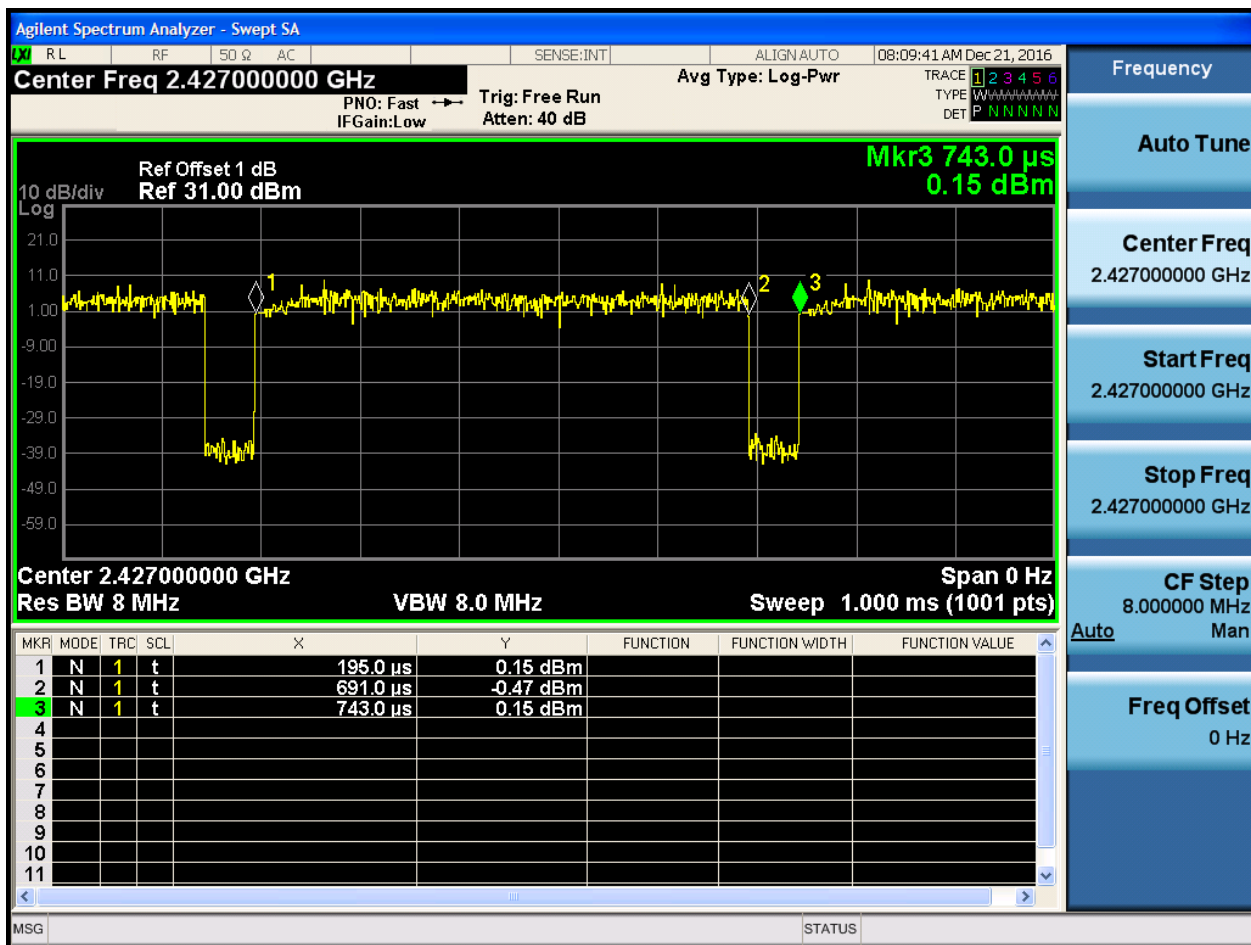


2.10 11N40@Ant 2



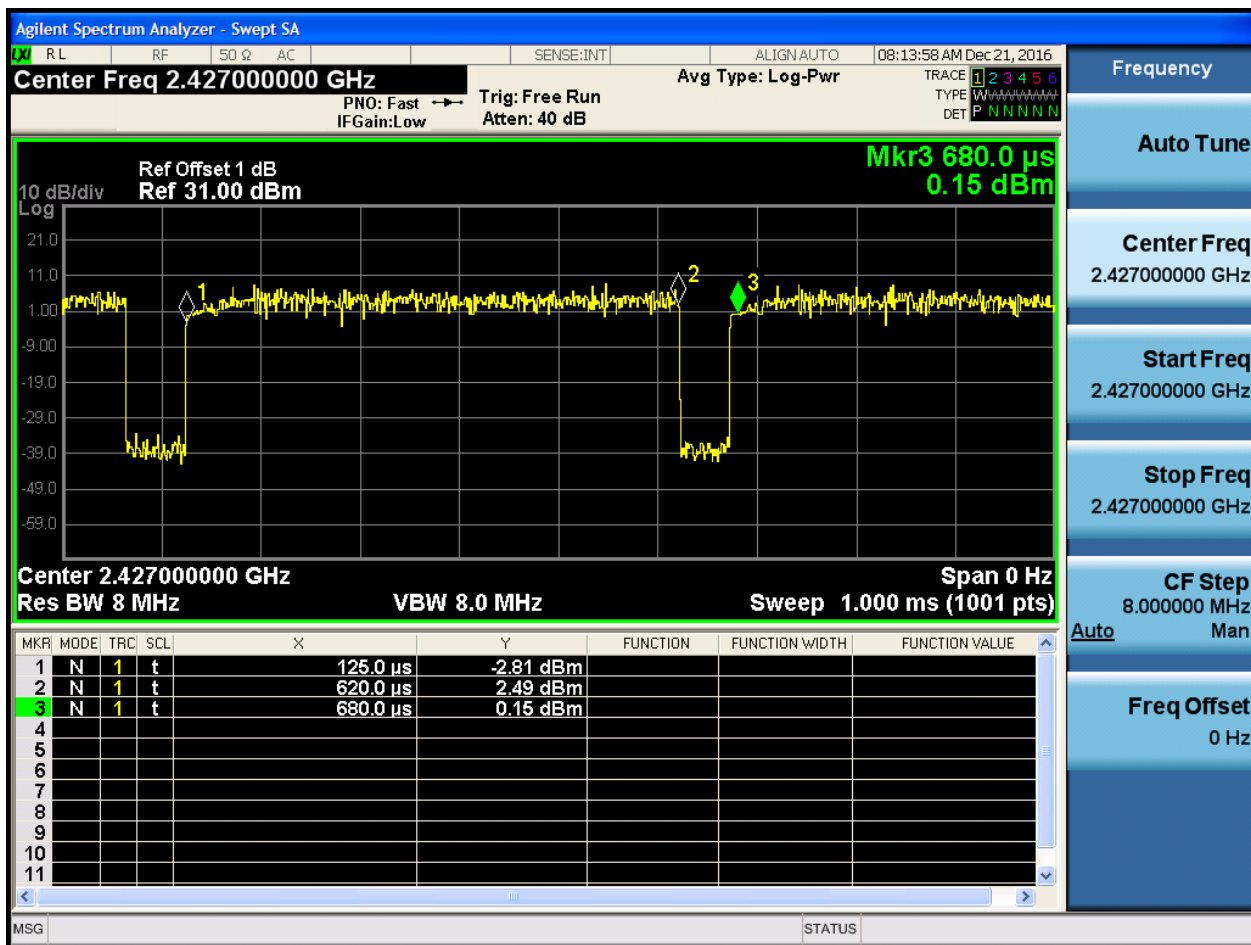


2.11 11N40m@Ant 1





2.12 11N40m@Ant 2



Appendix D: Maximum Conducted Average Output Power

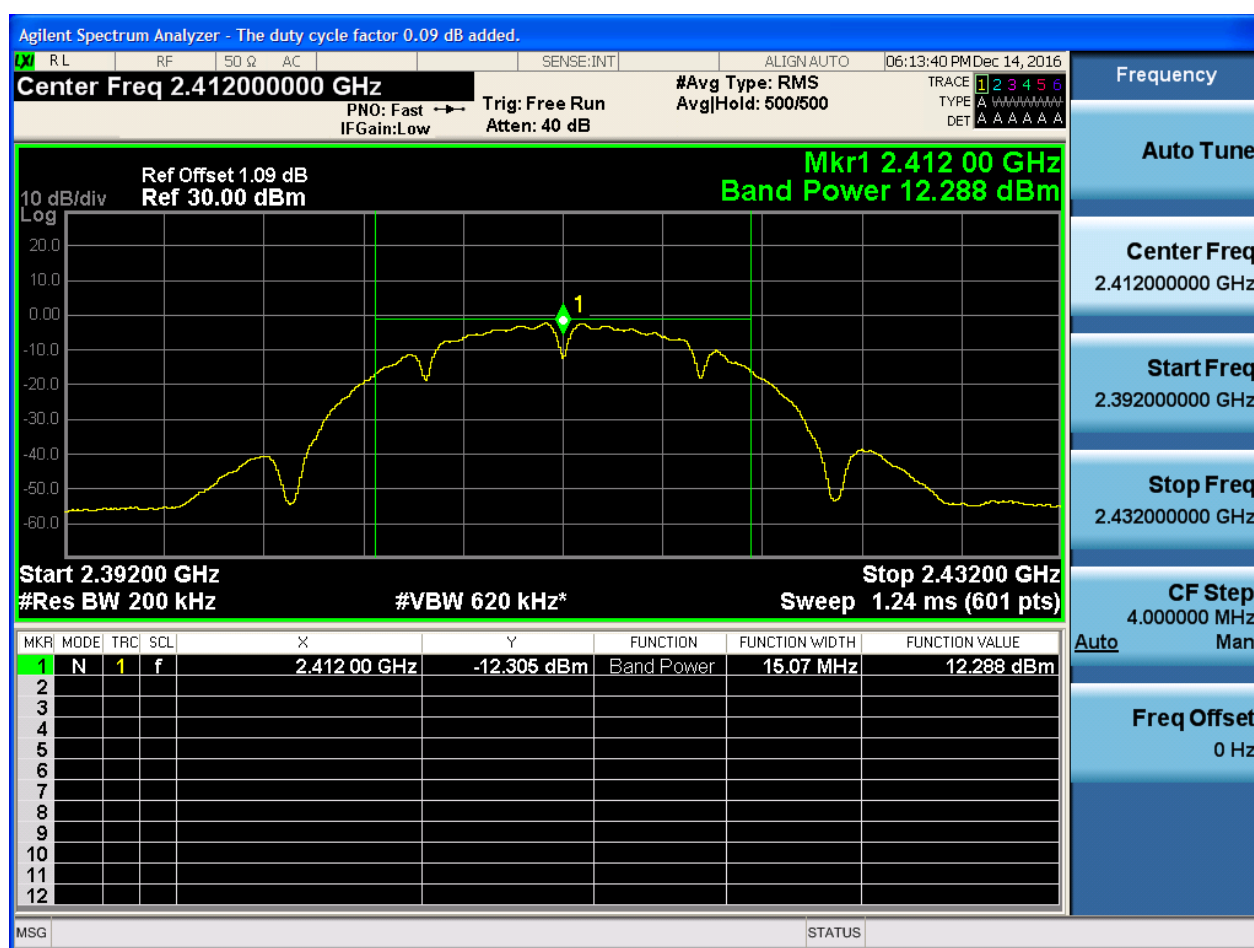
Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	Power[dBm]	Verdict
11B	L	2412	Ant 1	12.29	pass
11B	L	2412	Ant 2	11.65	pass
11B	M	2427	Ant 1	12.51	pass
11B	M	2427	Ant 2	10.71	pass
11B	H	2442	Ant 1	12.49	pass
11B	H	2442	Ant 2	12.35	pass
11G	L	2412	Ant 1	9.69	pass
11G	L	2412	Ant 2	9.66	pass
11G	M	2427	Ant 1	10.17	pass
11G	M	2427	Ant 2	9.02	pass
11G	H	2442	Ant 1	10.40	pass
11G	H	2442	Ant 2	9.78	pass
11N20	L	2412	Ant 1	8.26	pass
11N20	L	2412	Ant 2	7.75	pass
11N20	M	2427	Ant 1	8.55	pass
11N20	M	2427	Ant 2	7.15	pass
11N20	H	2442	Ant 1	8.78	pass
11N20	H	2442	Ant 2	7.87	pass
11N20m	L	2412	Ant 1	8.13	---
11N20m	L	2412	Ant 2	6.86	---
11N20m	L	2412	Ant sum	10.55	pass
11N20m	M	2427	Ant 1	7.83	---
11N20m	M	2427	Ant 2	5.86	---
11N20m	M	2427	Ant sum	9.97	pass
11N20m	H	2442	Ant 1	7.32	---
11N20m	H	2442	Ant 2	6.14	---
11N20m	H	2442	Ant sum	9.78	pass
11N40	L	2422	Ant 1	7.43	pass
11N40	L	2422	Ant 2	6.83	pass
11N40	M	2427	Ant 1	7.40	pass
11N40	M	2427	Ant 2	6.89	pass
11N40	H	2432	Ant 1	7.56	pass
11N40	H	2432	Ant 2	6.95	pass
11N40m	L	2422	Ant 1	7.03	---

Test Mode	Test Channel	Frequency[MHz]	Ant	Power[dBm]	Verdict
11N40m	L	2422	Ant 2	5.55	---
11N40m	L	2422	Ant sum	9.36	pass
11N40m	M	2427	Ant 1	6.40	---
11N40m	M	2427	Ant 2	5.86	---
11N40m	M	2427	Ant sum	9.15	pass
11N40m	H	2432	Ant 1	7.12	---
11N40m	H	2432	Ant 2	6.08	---
11N40m	H	2432	Ant sum	9.64	pass

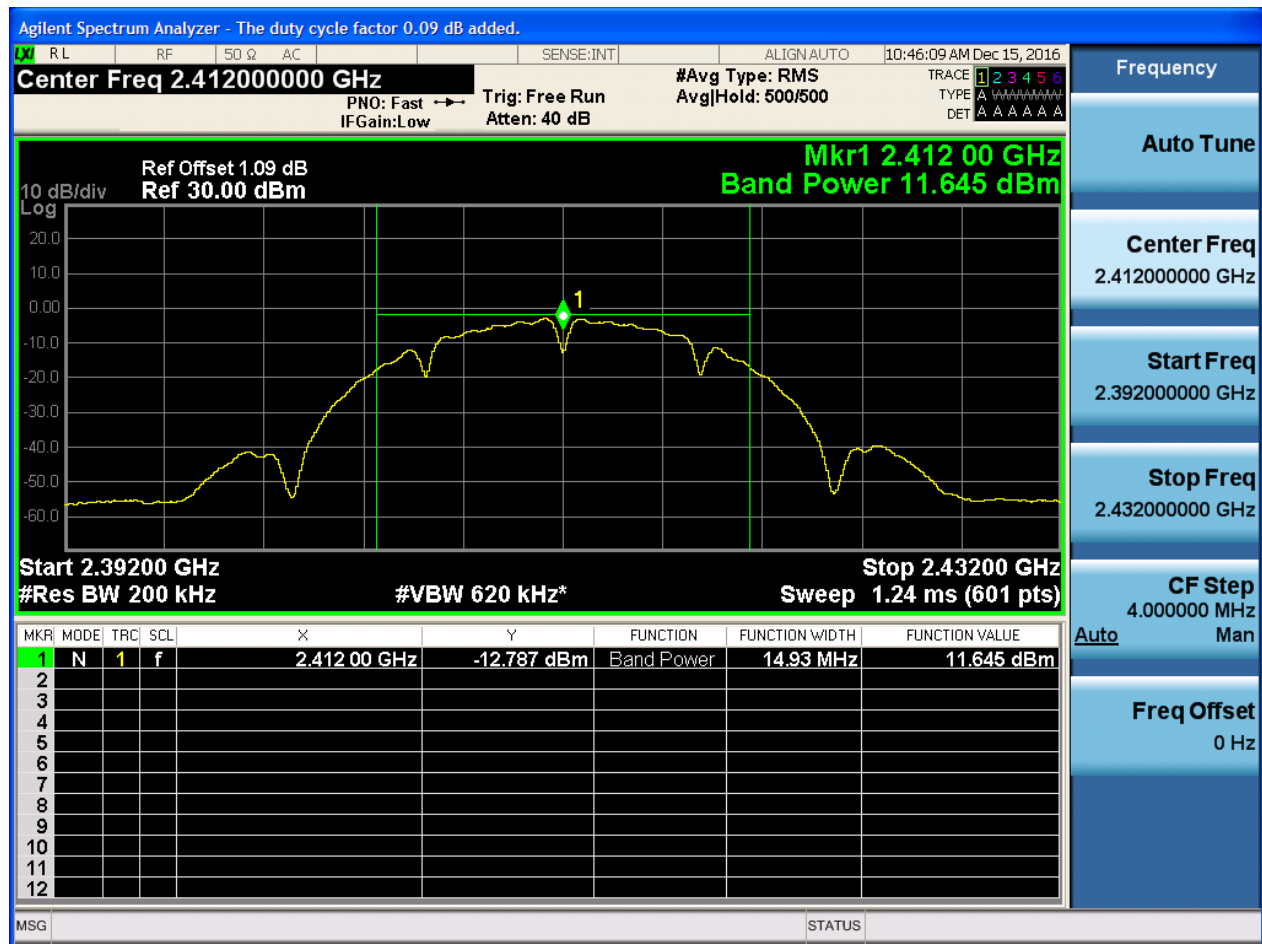
Part II - Test Plots

2.1 11B L@Ant 1



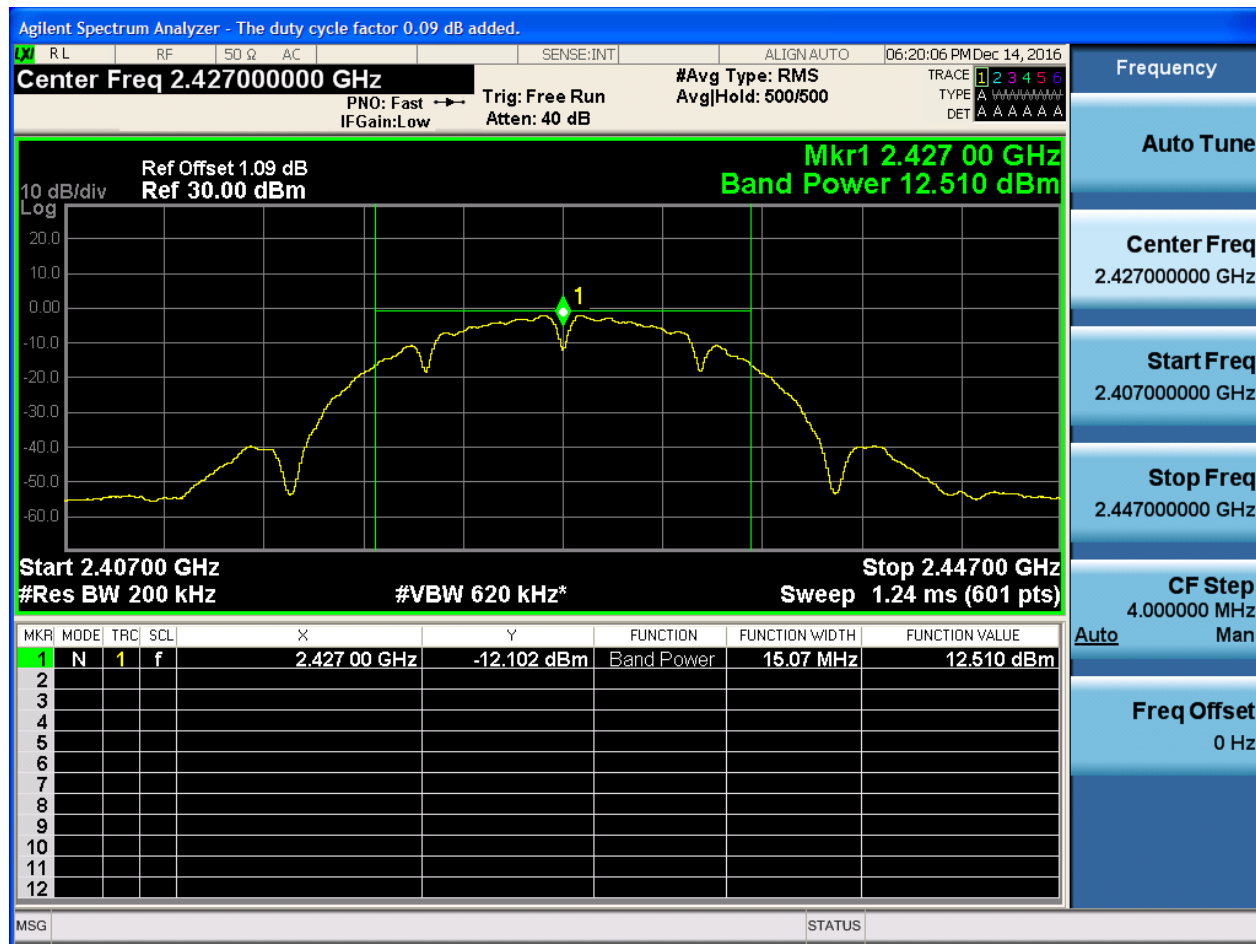


2.2 11B_L@Ant 2



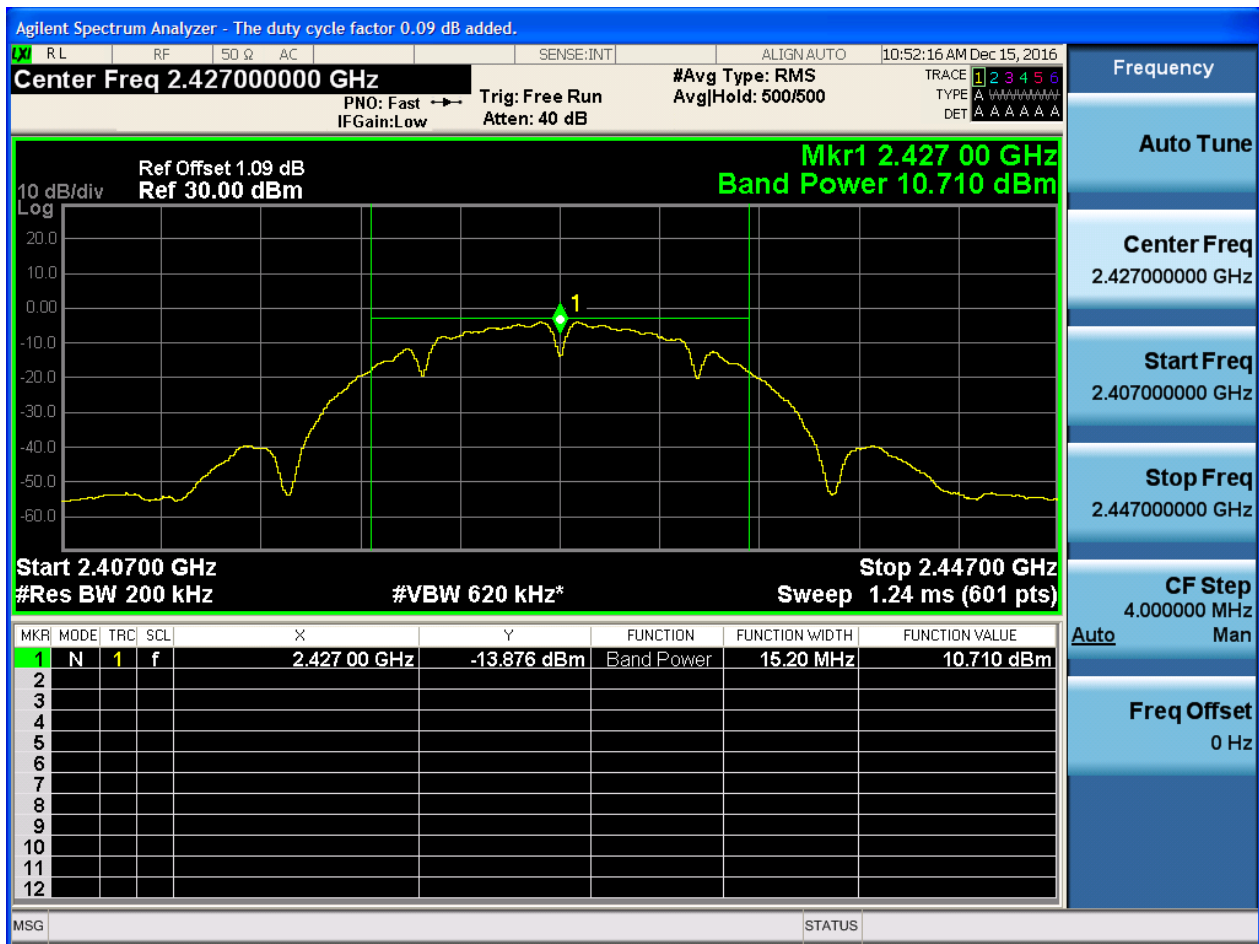


2.3 11B_M@Ant 1



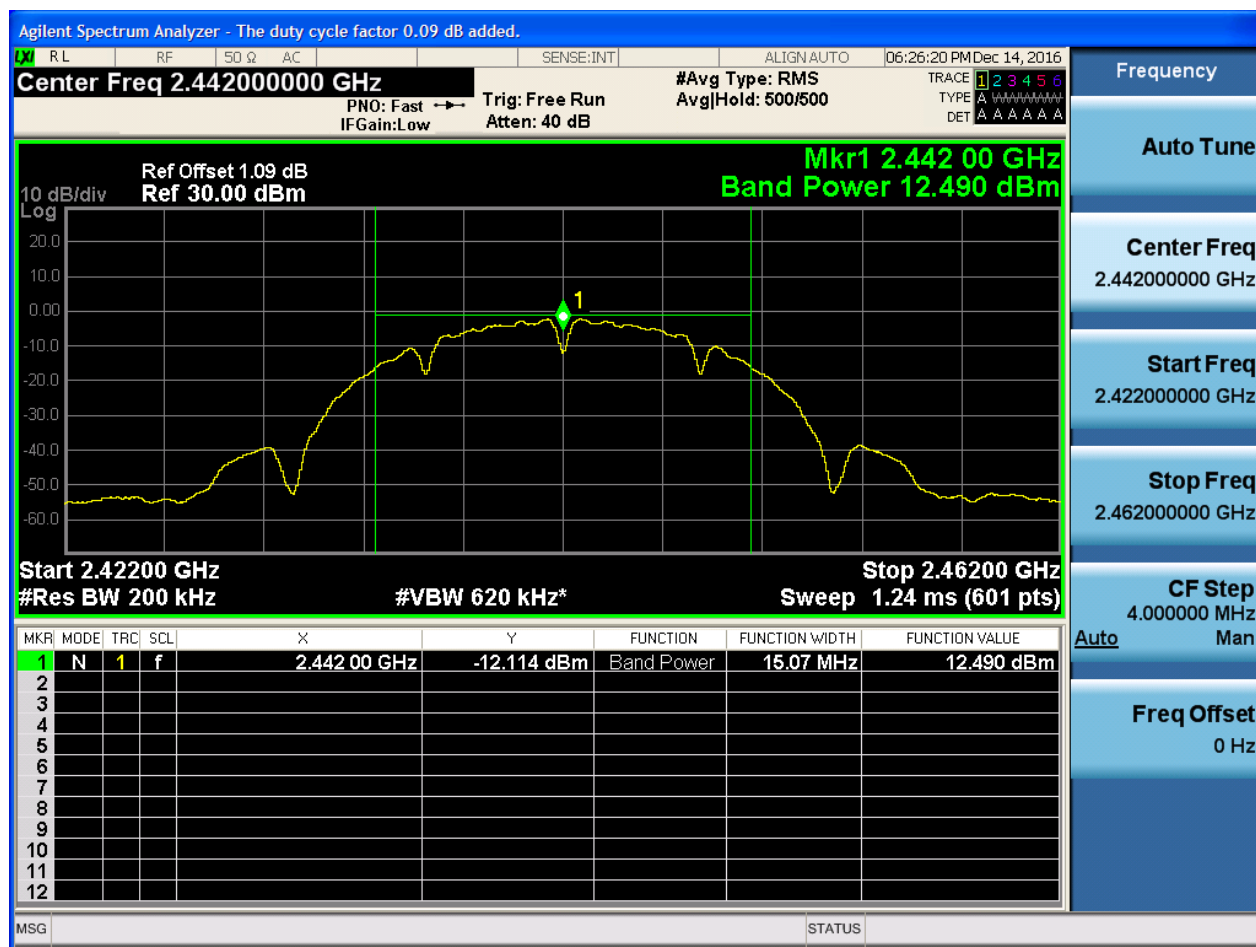


2.4 11B_M@Ant 2



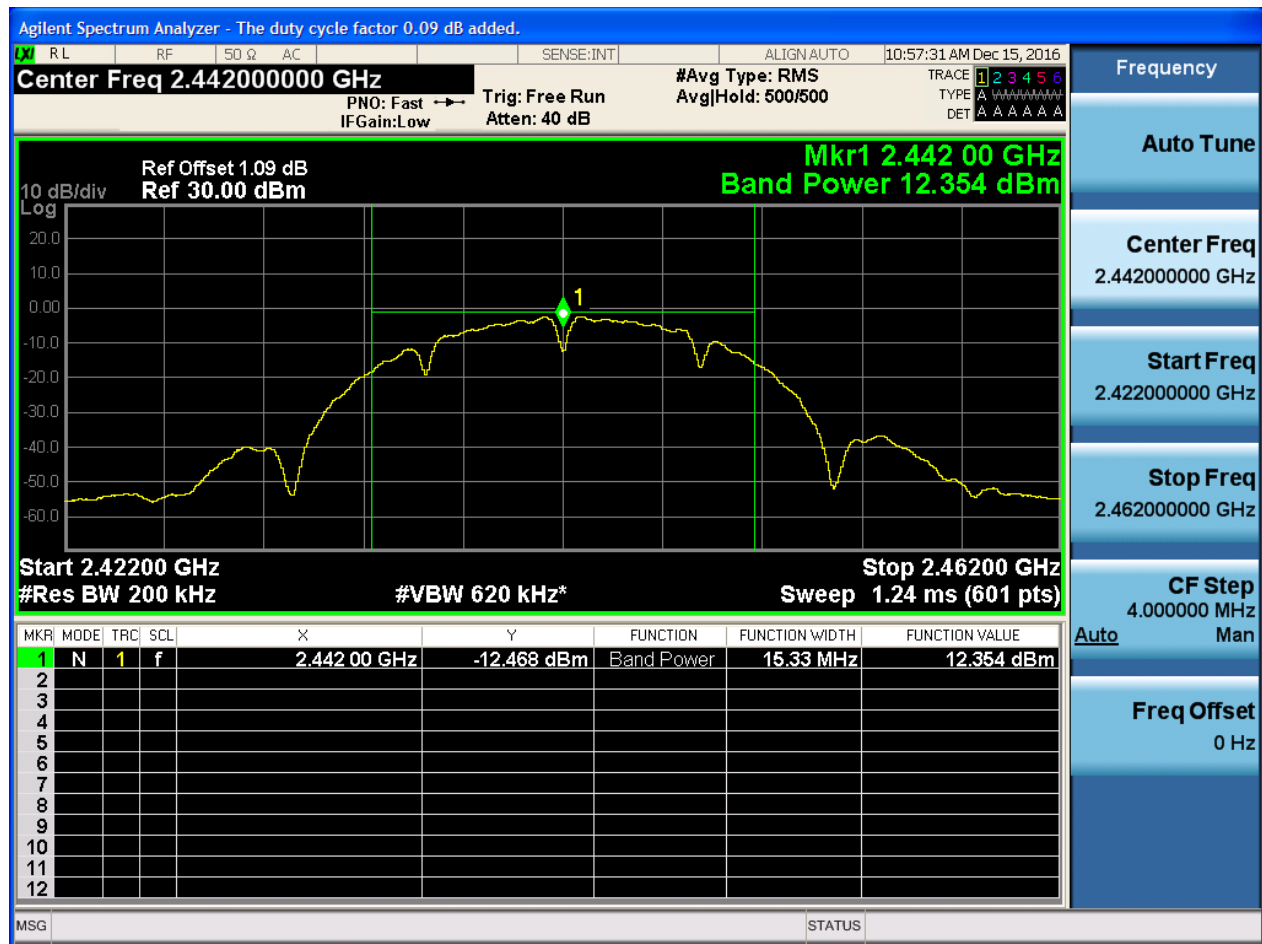


2.5 11B_H@Ant 1



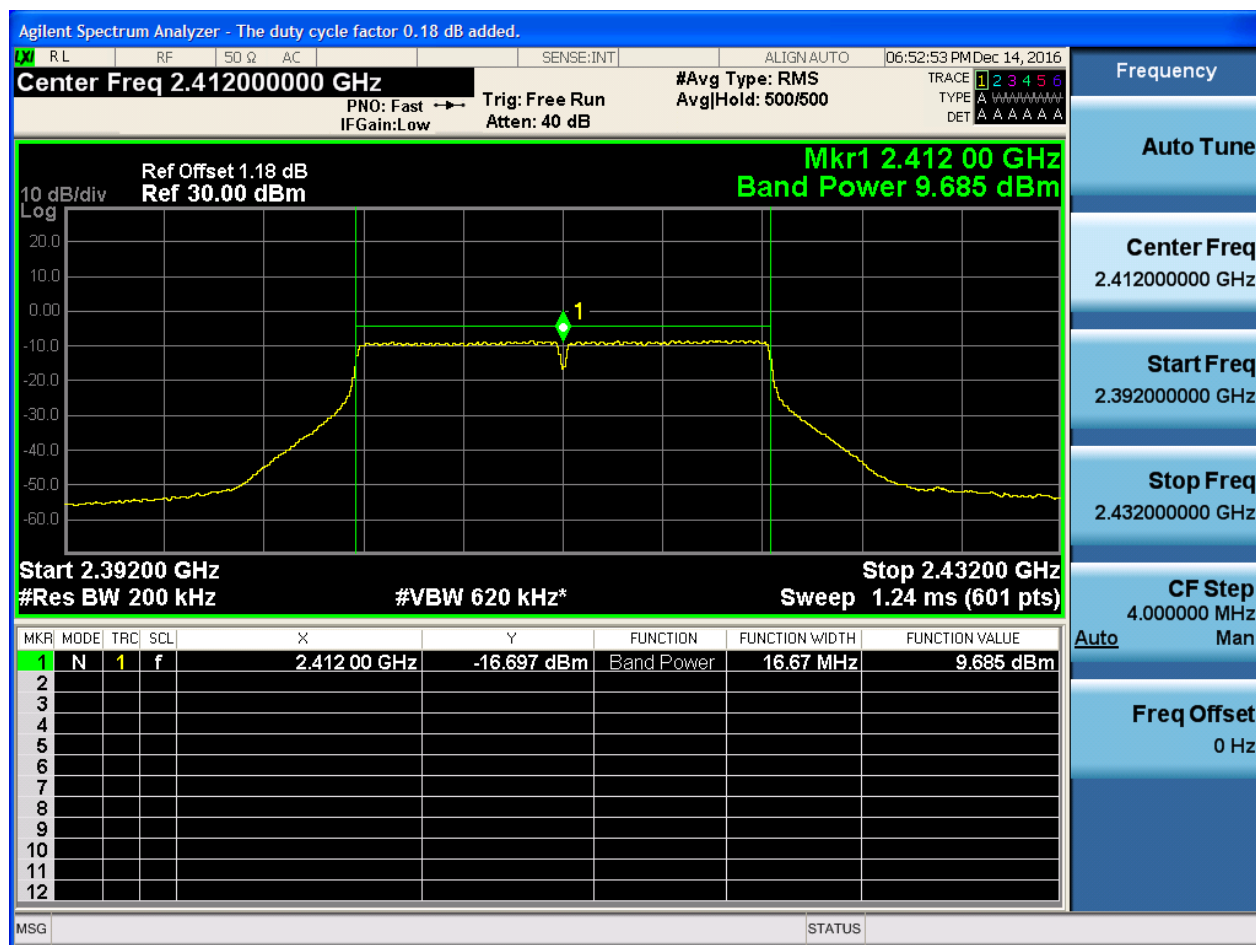


2.6 11B_H@Ant 2



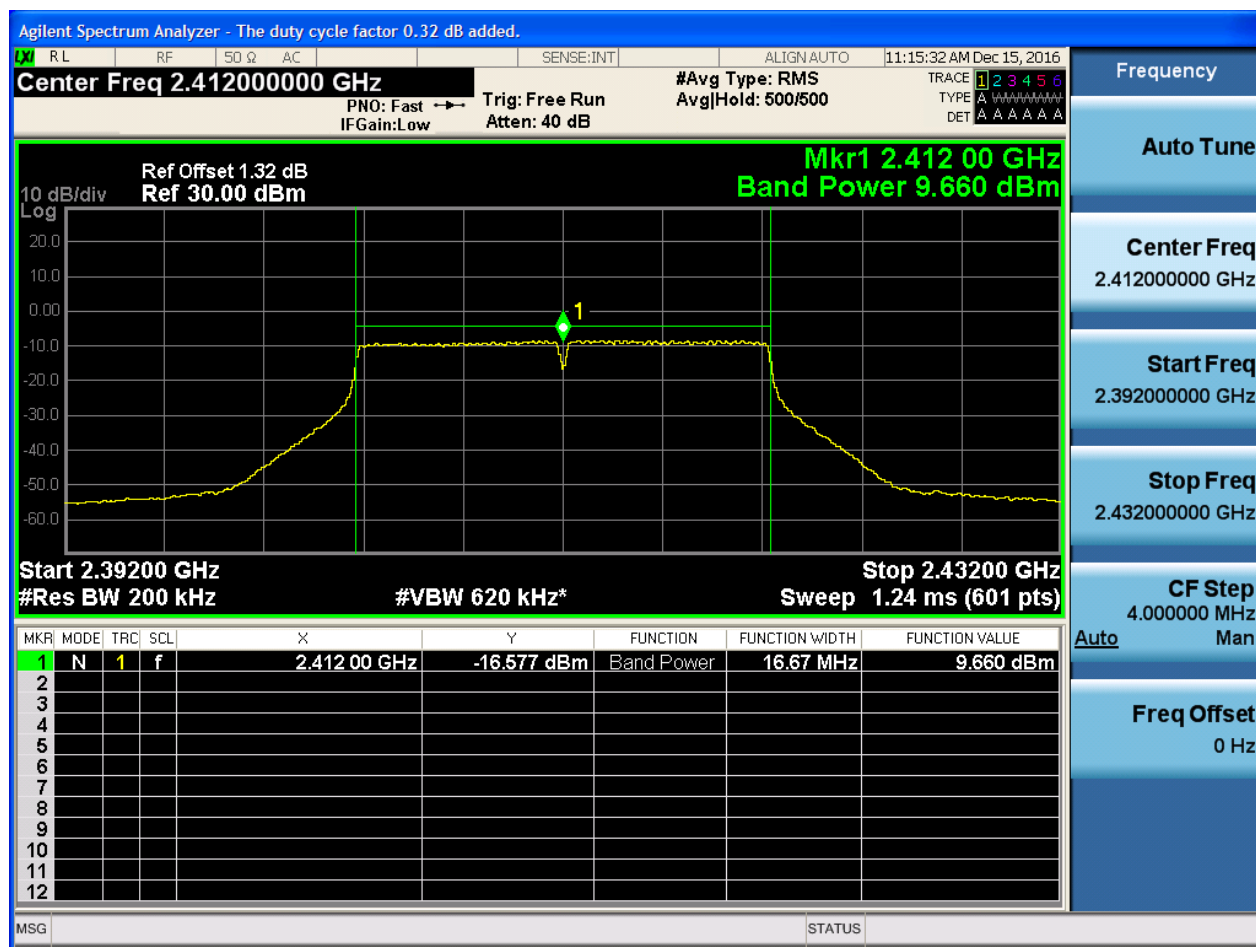


2.7 11G_L@Ant 1





2.8 11G_L@Ant 2





2.9 11G_M@Ant 1

