



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

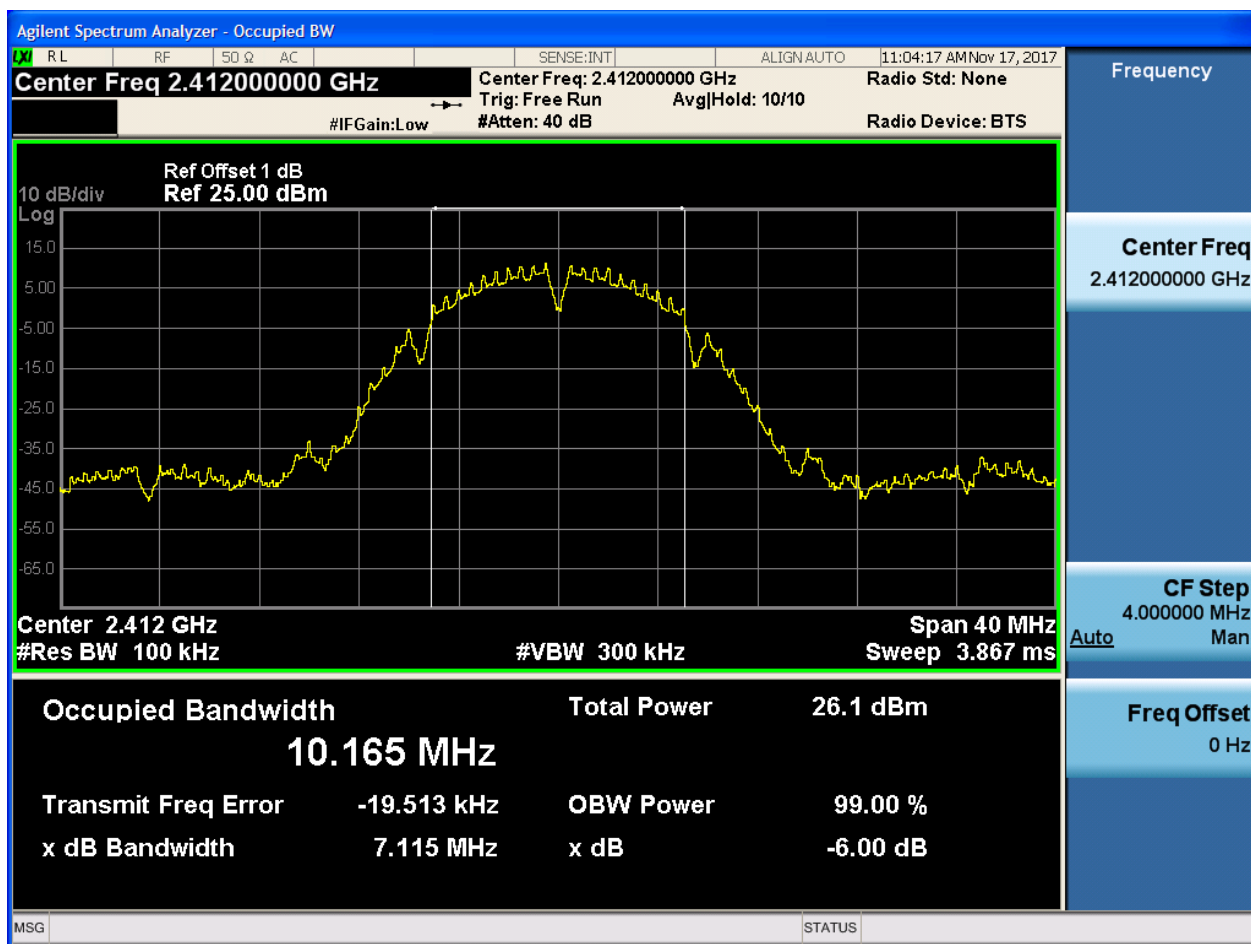
Test Mode	Test Channel	Frequency[MHz]	Ant	DTS6dBBW[MHz]	Verdict
11B	L	2412	Ant 1	7.12	pass
11B	L	2412	Ant 2	7.11	pass
11B	M	2437	Ant 1	7.11	pass
11B	M	2437	Ant 2	7.09	pass
11B	H	2462	Ant 1	7.11	pass
11B	H	2462	Ant 2	7.11	pass
11G	L	2412	Ant 1	16.38	pass
11G	L	2412	Ant 2	16.37	pass
11G	M	2437	Ant 1	16.37	pass
11G	M	2437	Ant 2	16.42	pass
11G	H	2462	Ant 1	16.41	pass
11G	H	2462	Ant 2	16.41	pass
11N20	L	2412	Ant 1	17.62	pass
11N20	L	2412	Ant 2	17.35	pass
11N20	M	2437	Ant 1	17.69	pass
11N20	M	2437	Ant 2	17.64	pass
11N20	H	2462	Ant 1	17.64	pass
11N20	H	2462	Ant 2	17.63	pass
11N20m	L	2412	Ant 1	17.60	pass
11N20m	L	2412	Ant 2	17.63	pass
11N20m	M	2437	Ant 1	17.59	pass
11N20m	M	2437	Ant 2	17.65	pass
11N20m	H	2462	Ant 1	17.65	pass
11N20m	H	2462	Ant 2	17.66	pass
11G CDD	L	2412	Ant 1	16.38	pass
11G CDD	L	2412	Ant 2	16.37	pass
11G CDD	M	2437	Ant 1	16.38	pass
11G CDD	M	2437	Ant 2	16.39	pass



Test Mode	Test Channel	Frequency[MHz]	Ant	DTS6dBBW[MHz]	Verdict
11G CDD	H	2462	Ant 1	16.41	pass
11G CDD	H	2462	Ant 2	16.39	pass

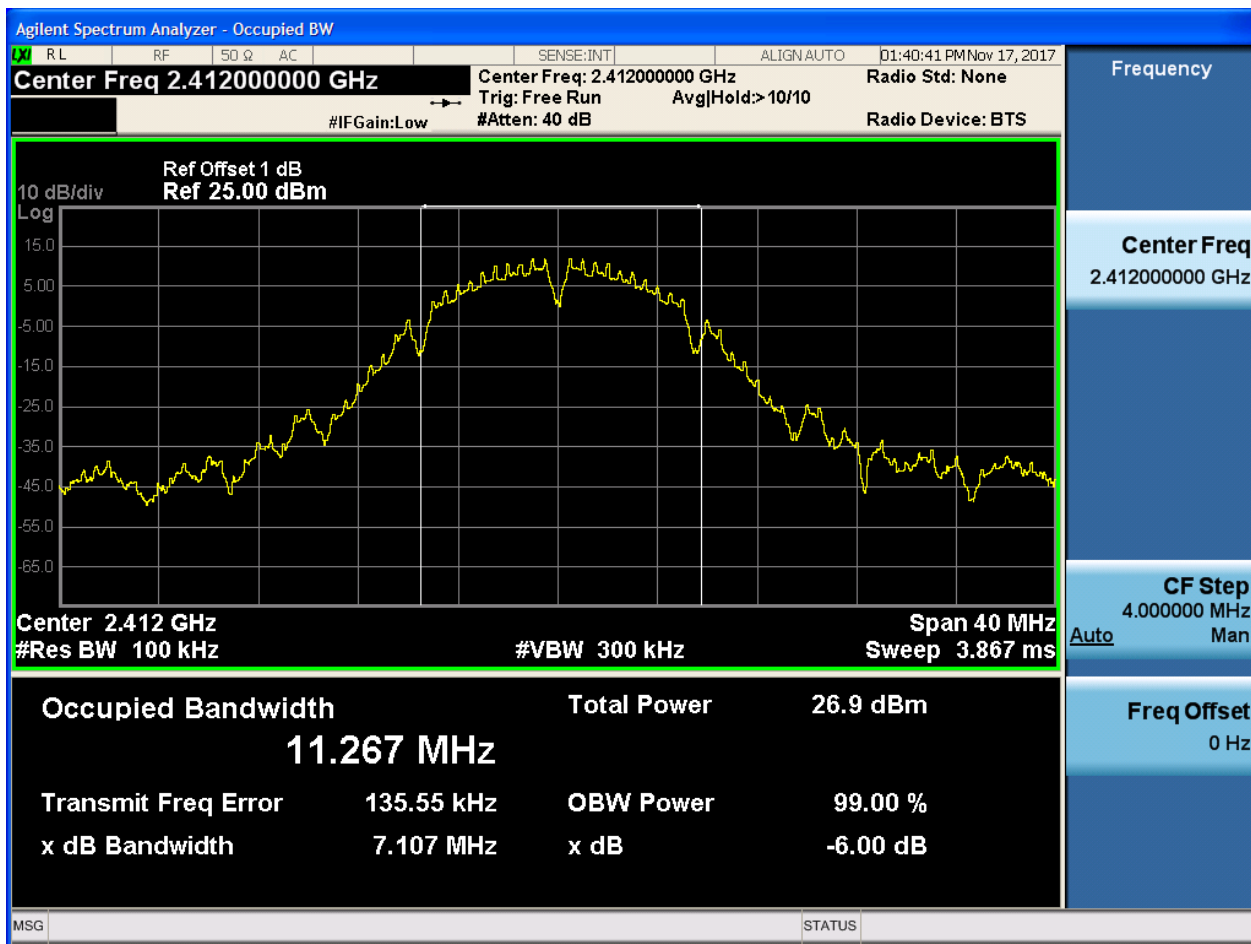
Part II - Test Plots

2.1 11B_L@Ant 1



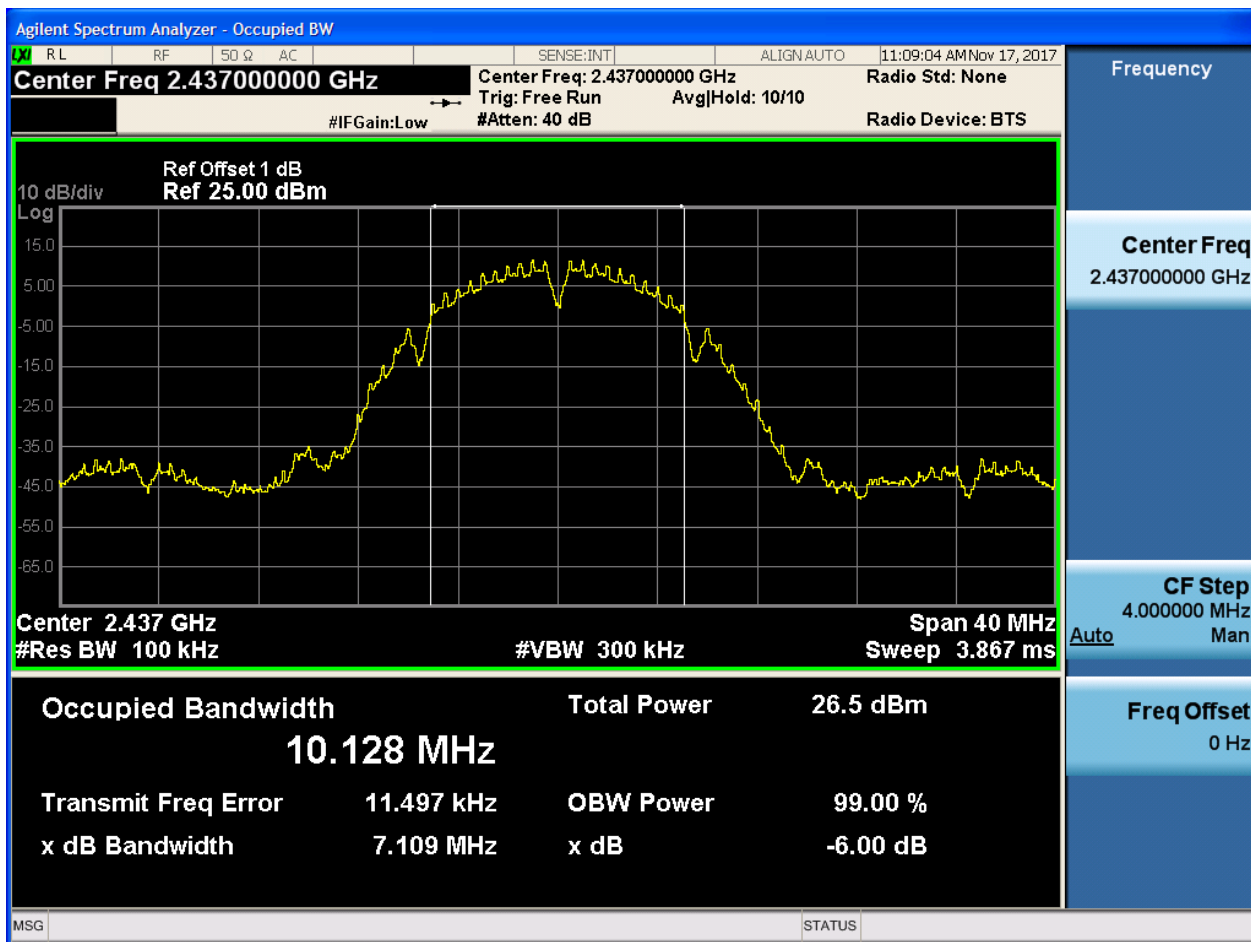


2.2 11B_L@Ant 2

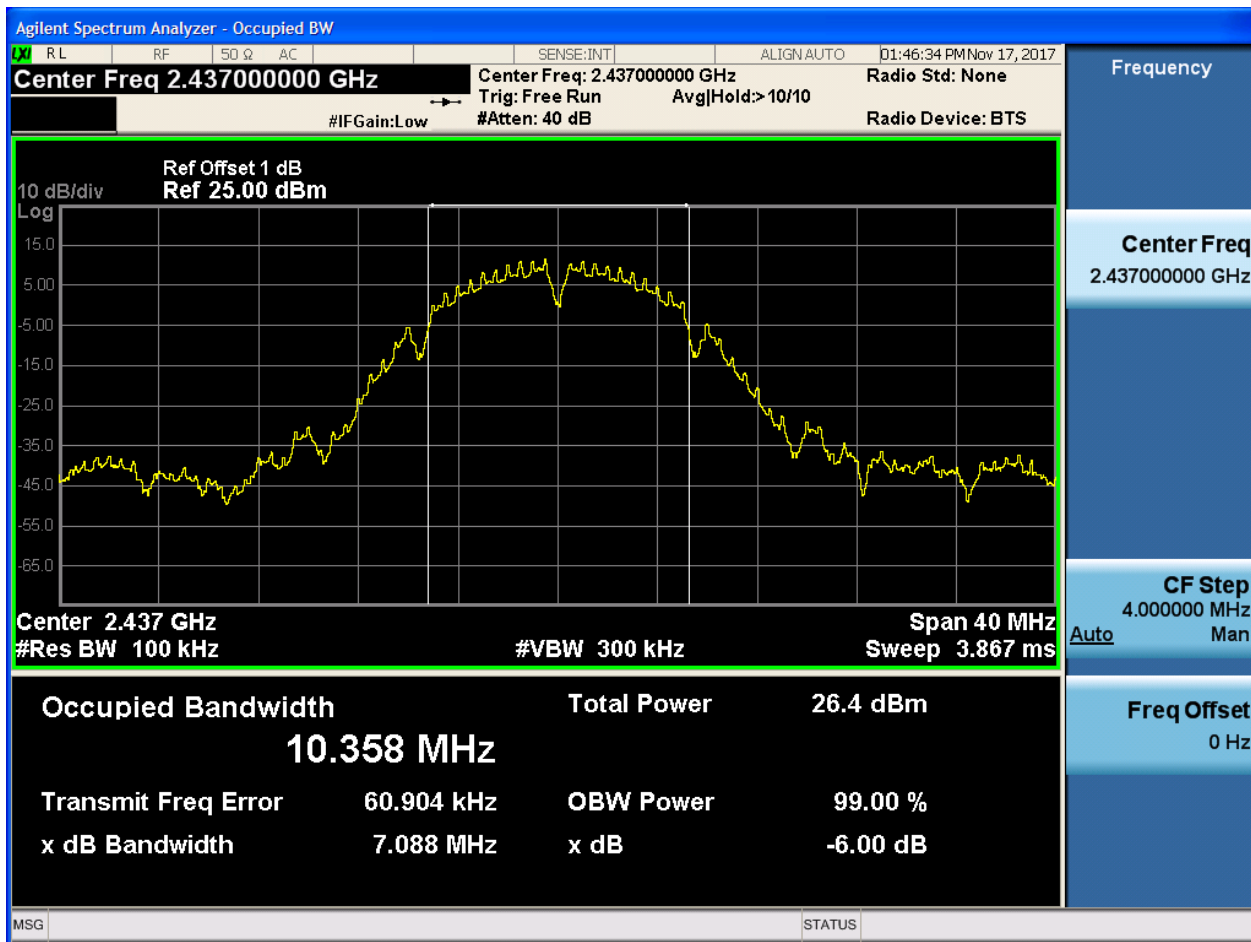




2.3 11B_M@Ant 1

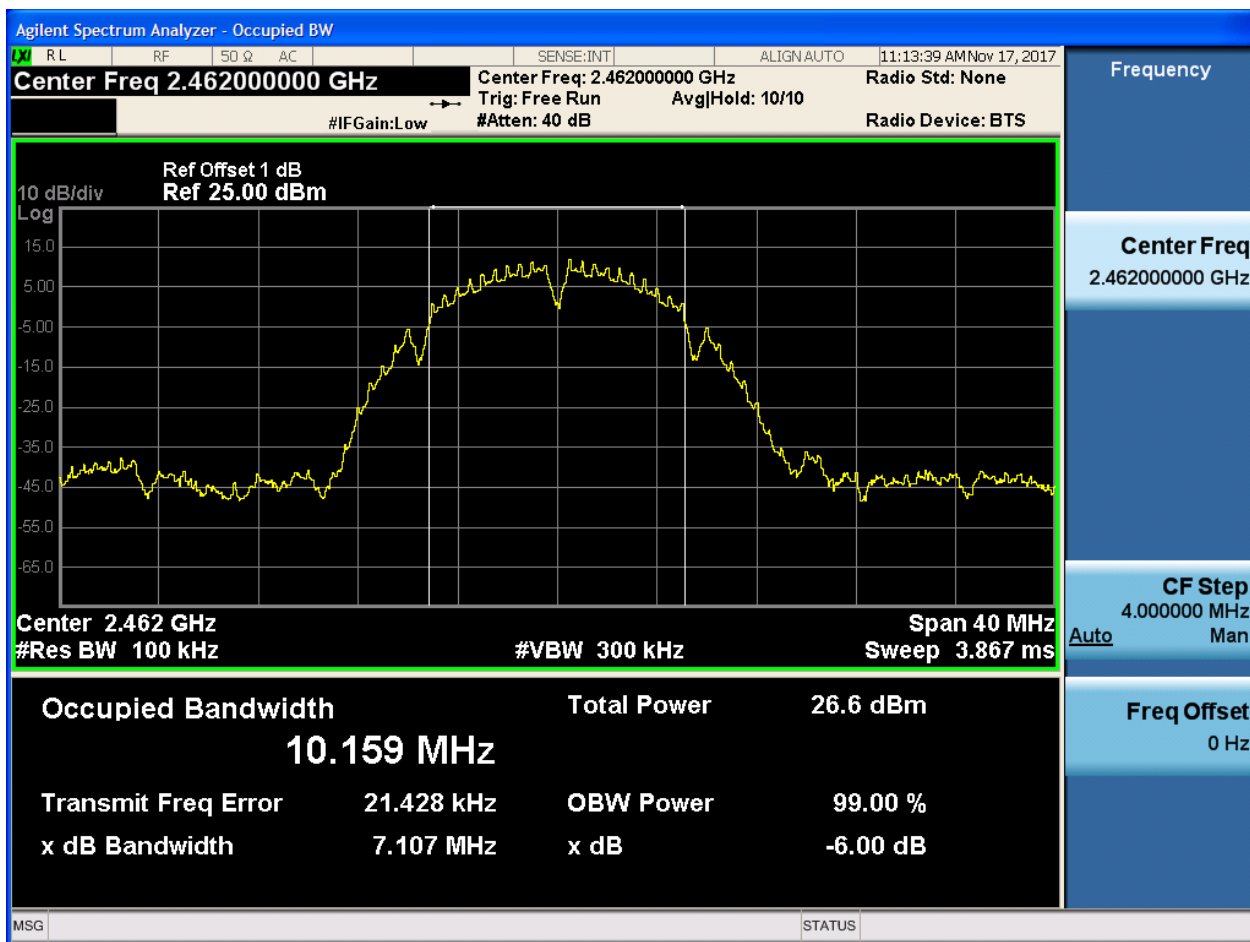


2.4 11B_M@Ant 2



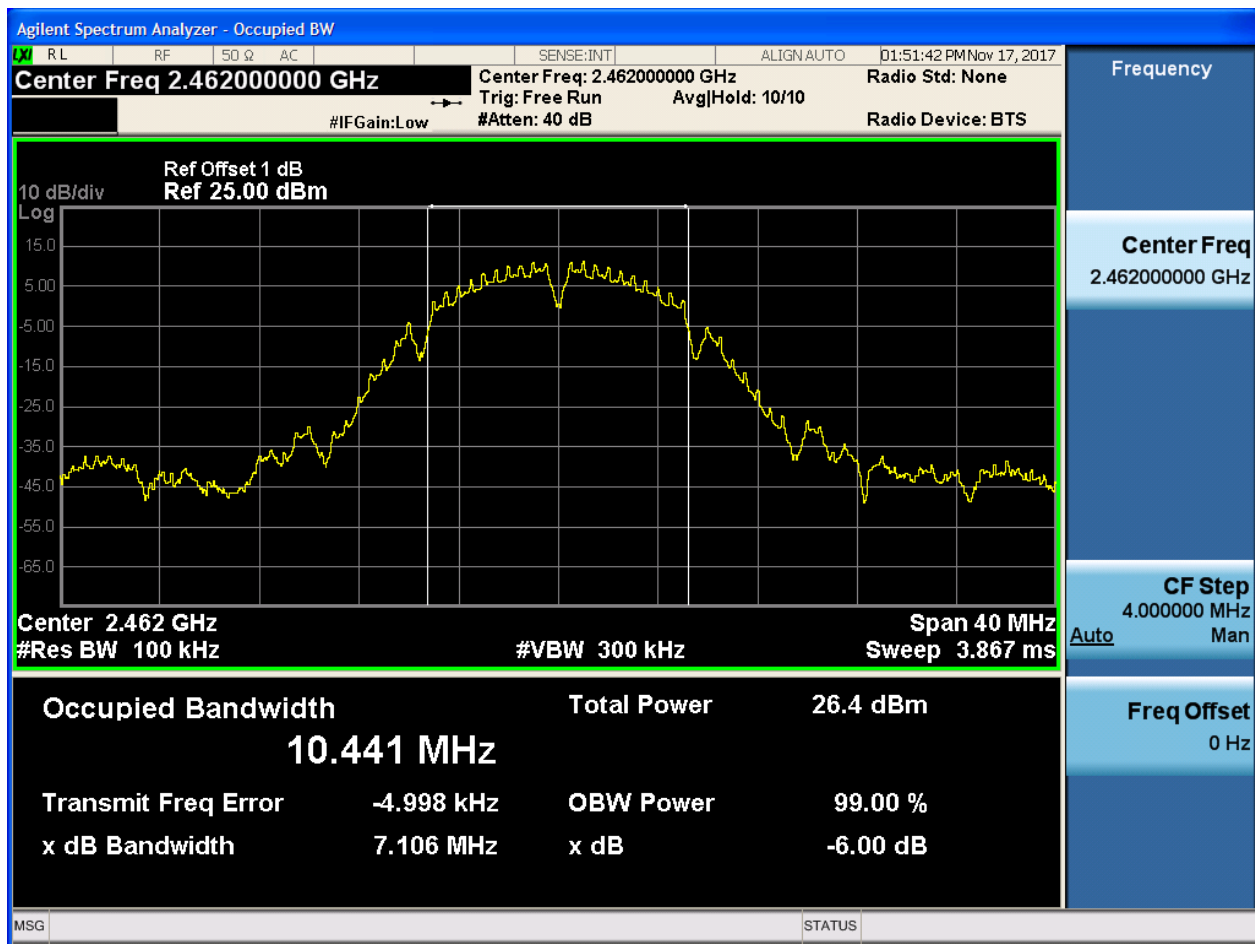


2.5 11B_H@Ant 1



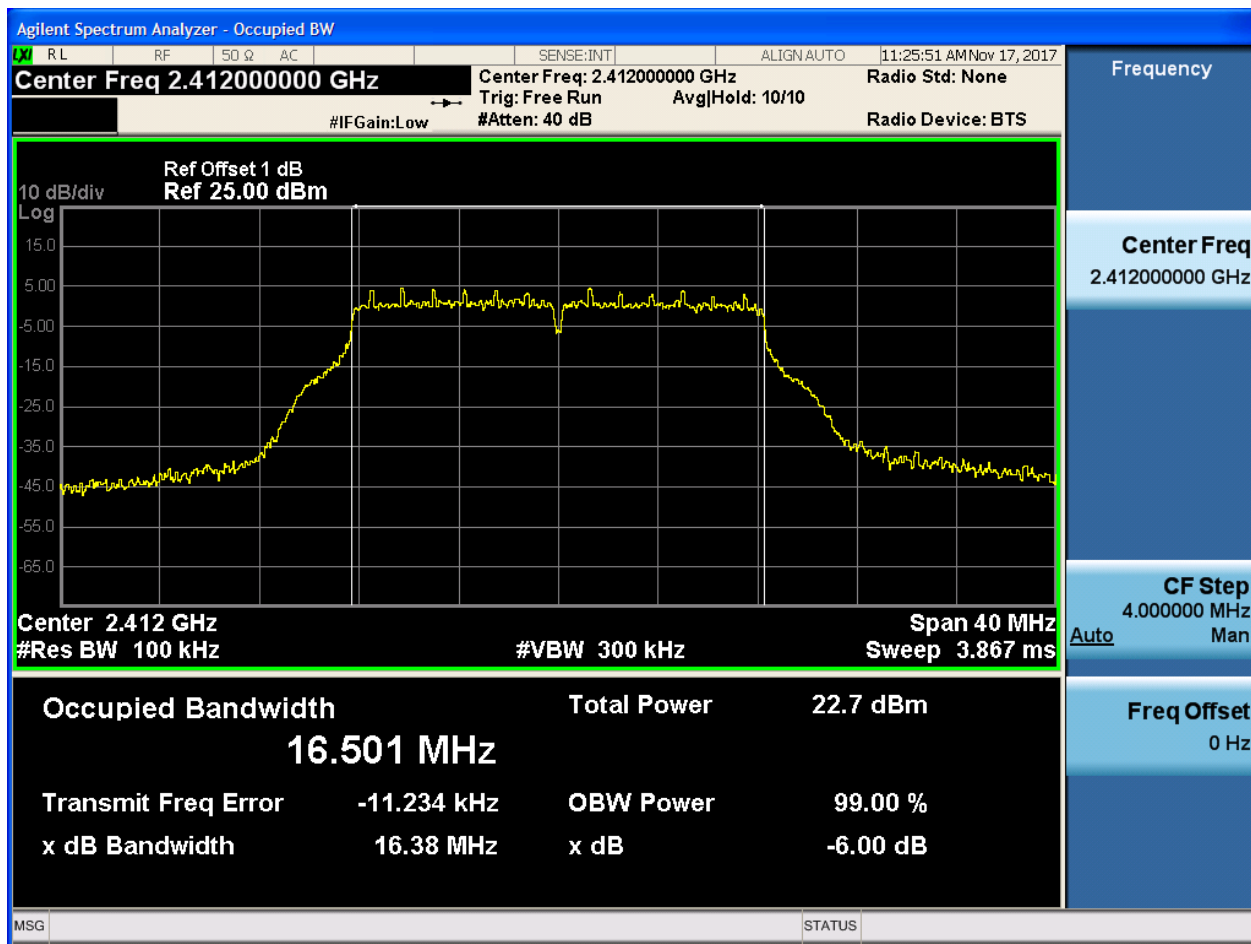


2.6 11B_H@Ant 2



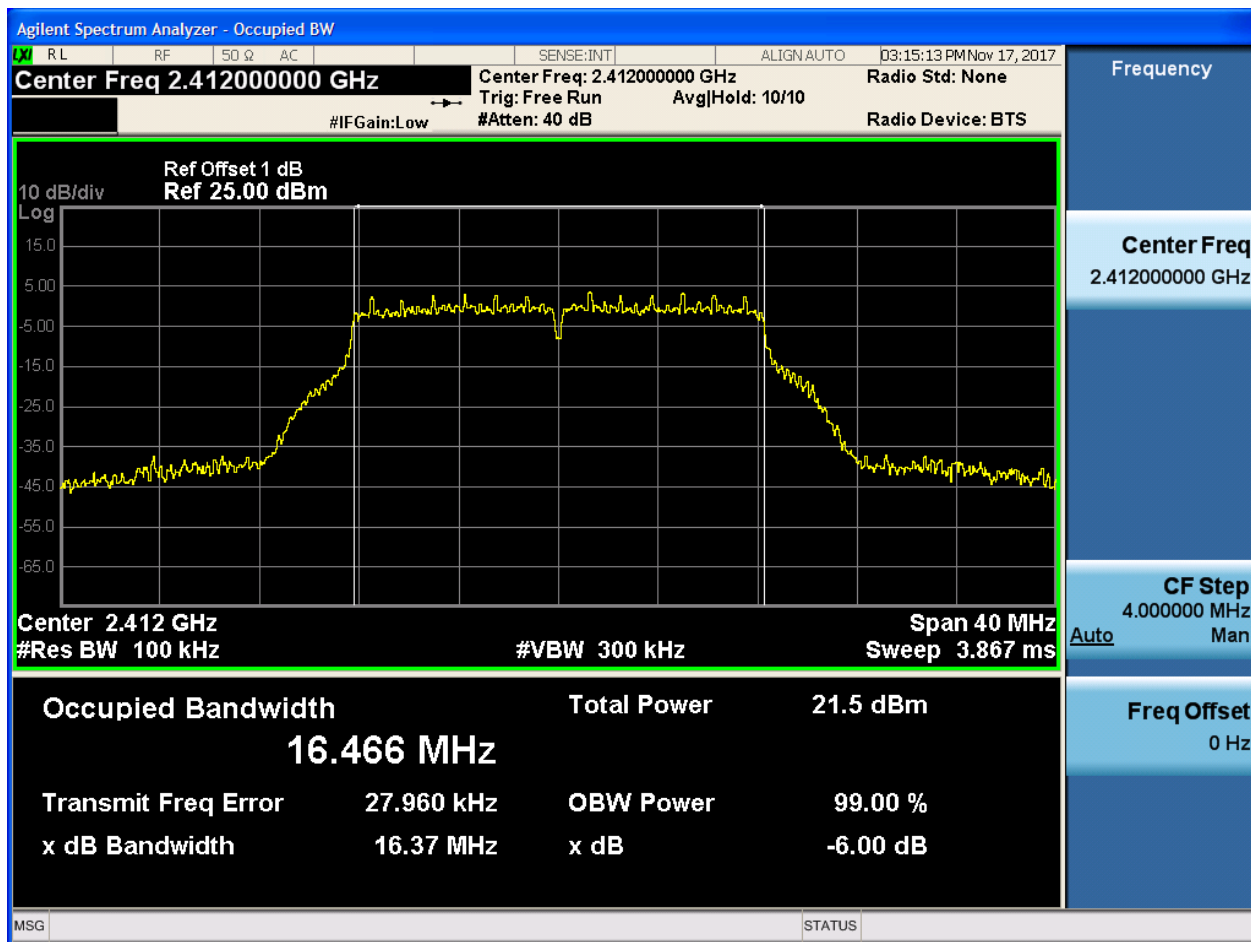


2.7 11G_L@Ant 1



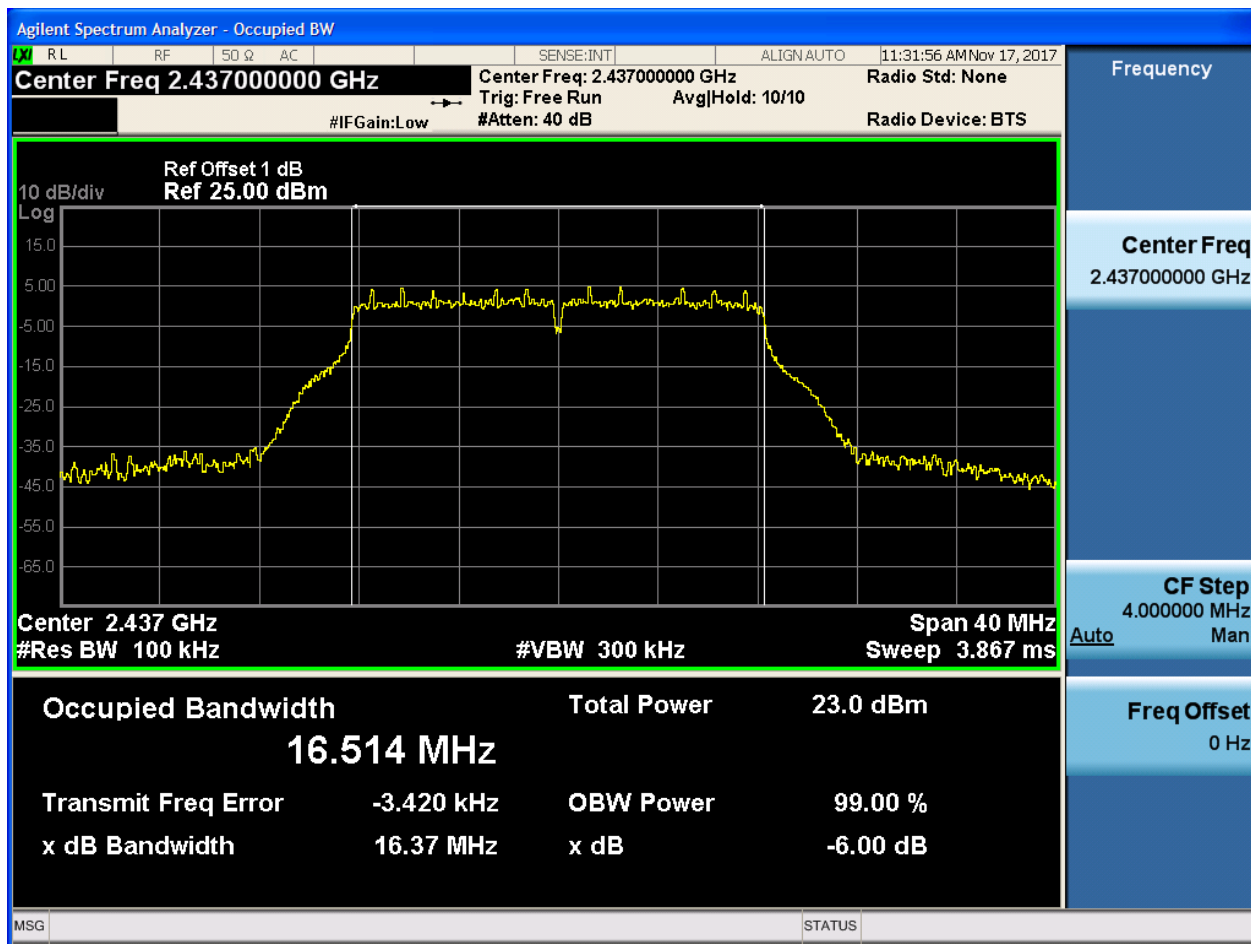


2.8 11G_L@Ant 2



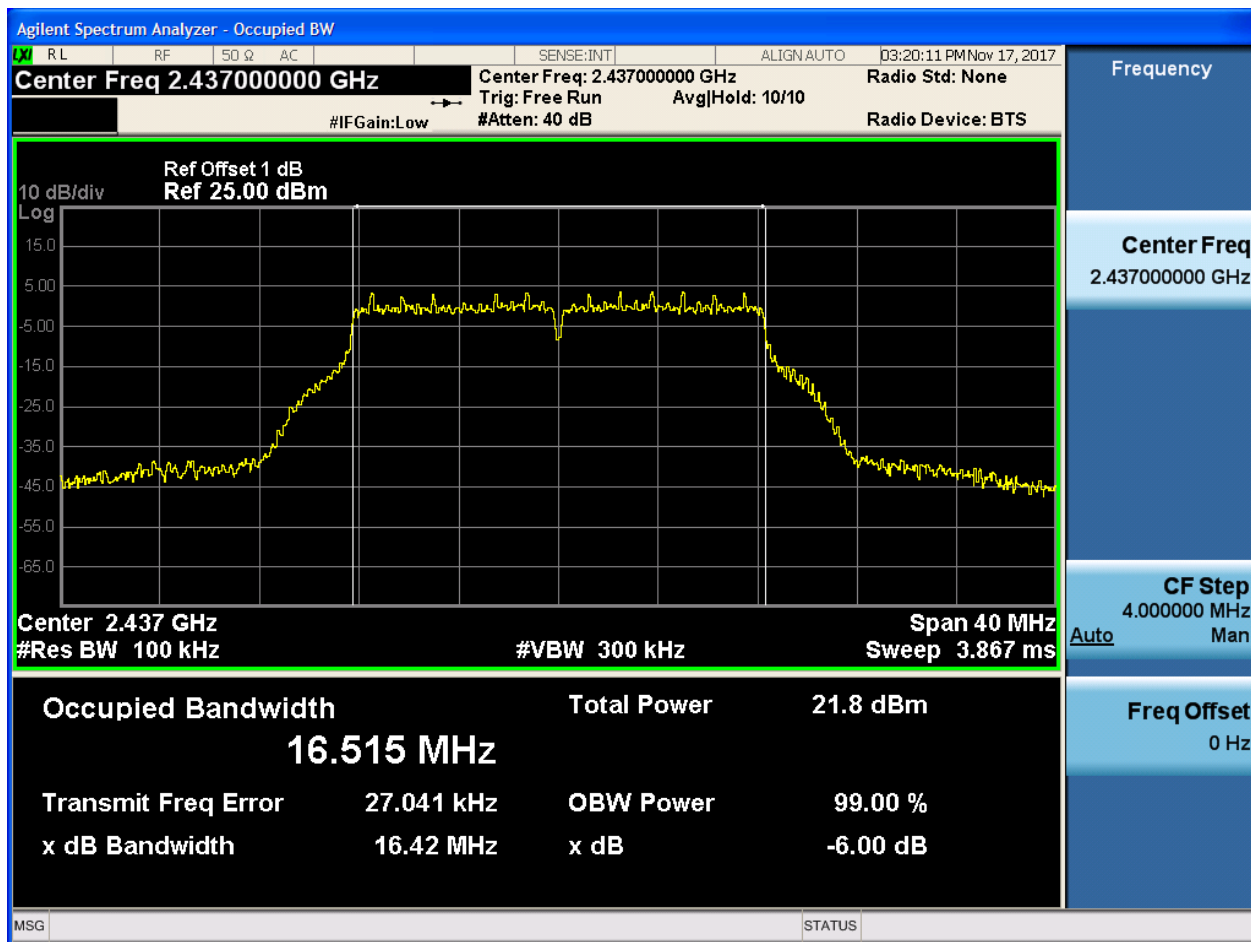


2.9 11G_M@Ant 1



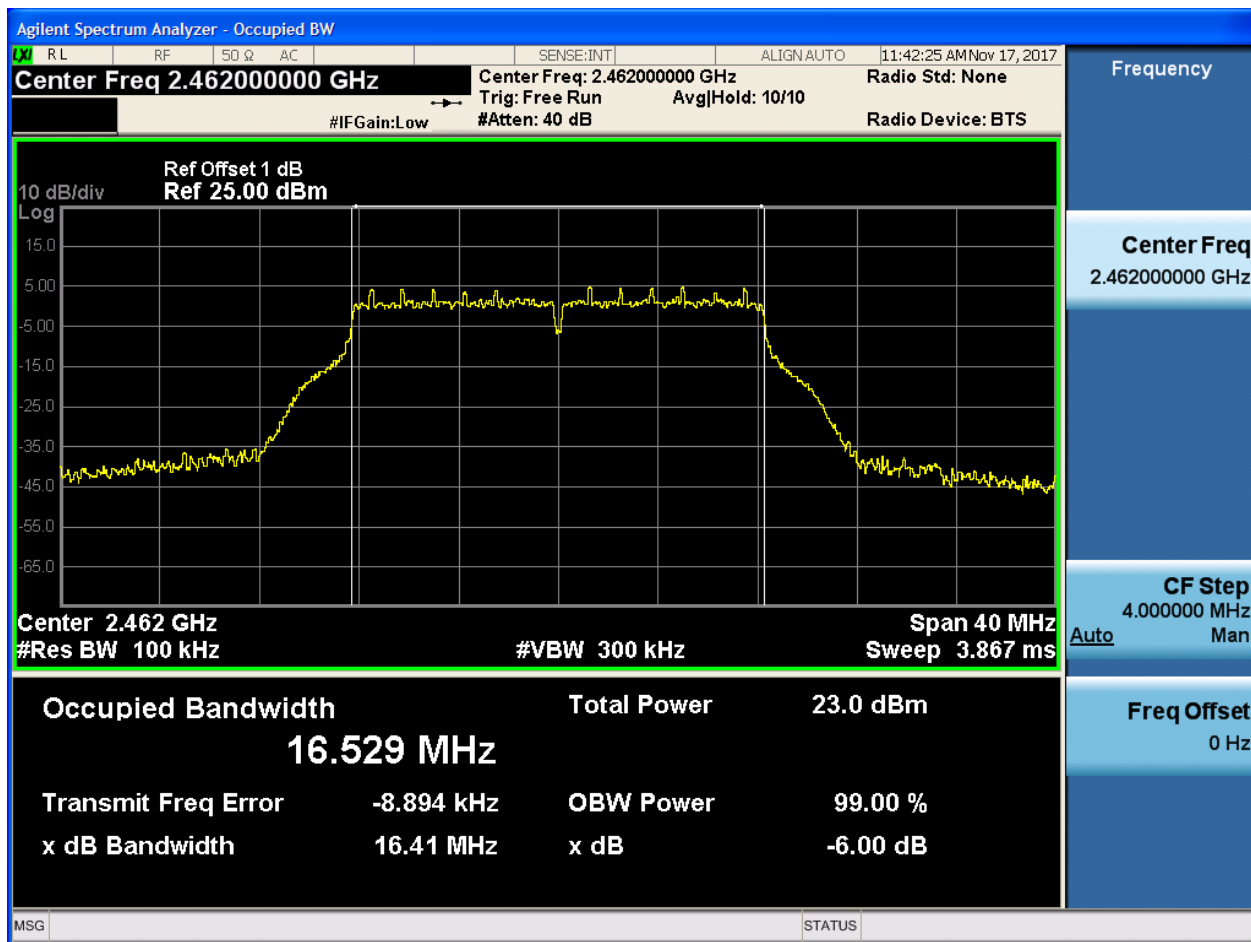


2.10 11G_M@Ant 2



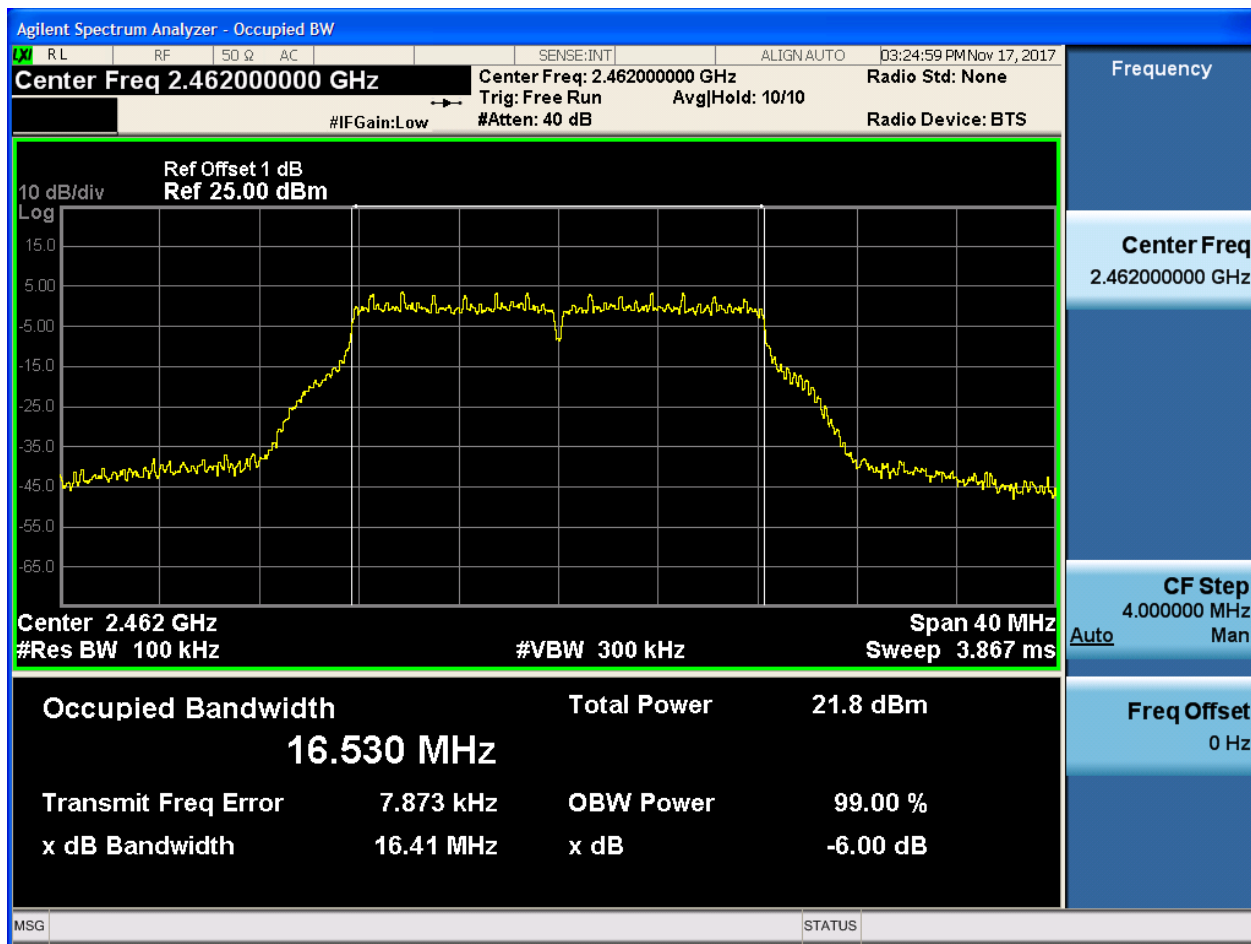


2.11 11G_H@Ant 1



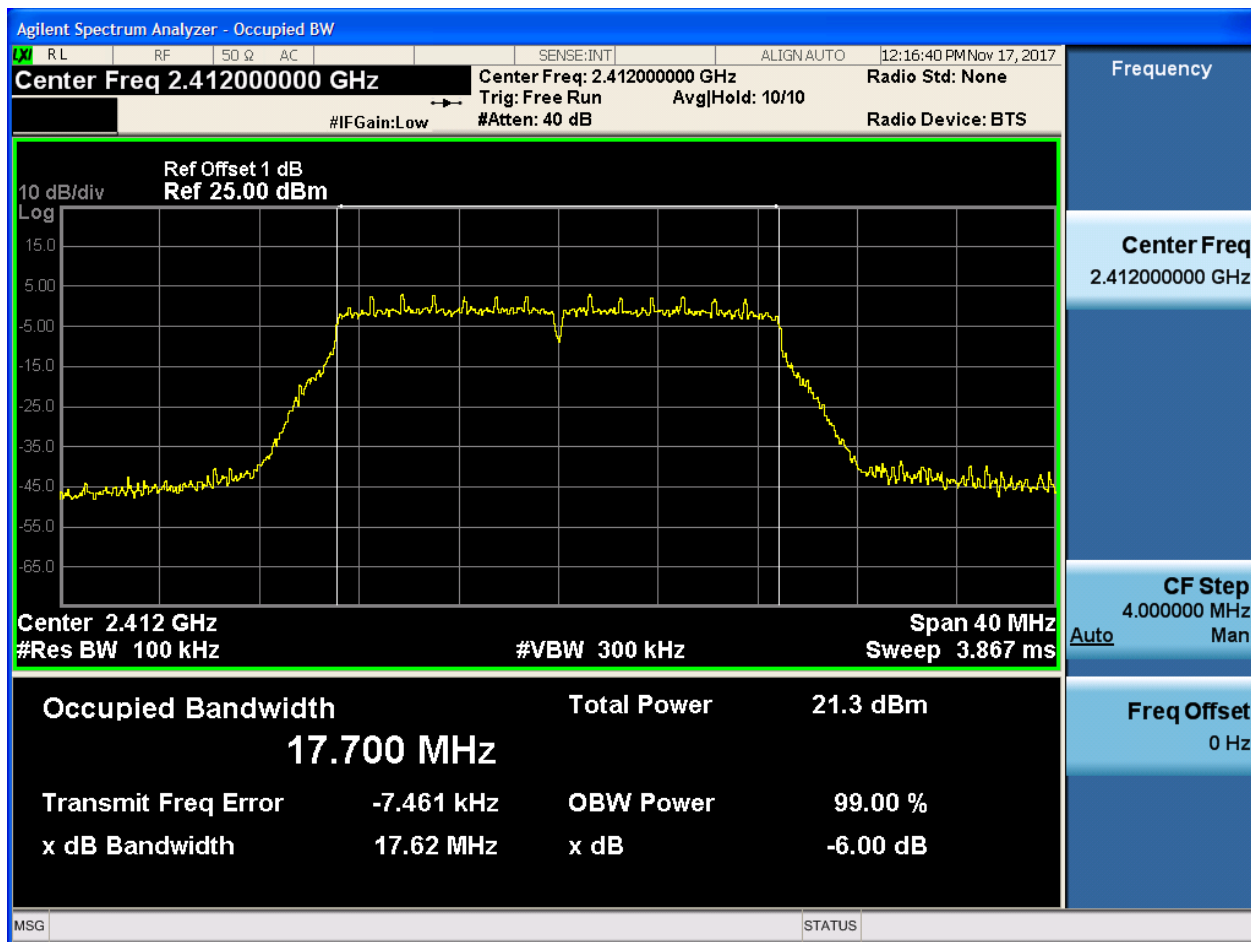


2.12 11G_H@Ant 2



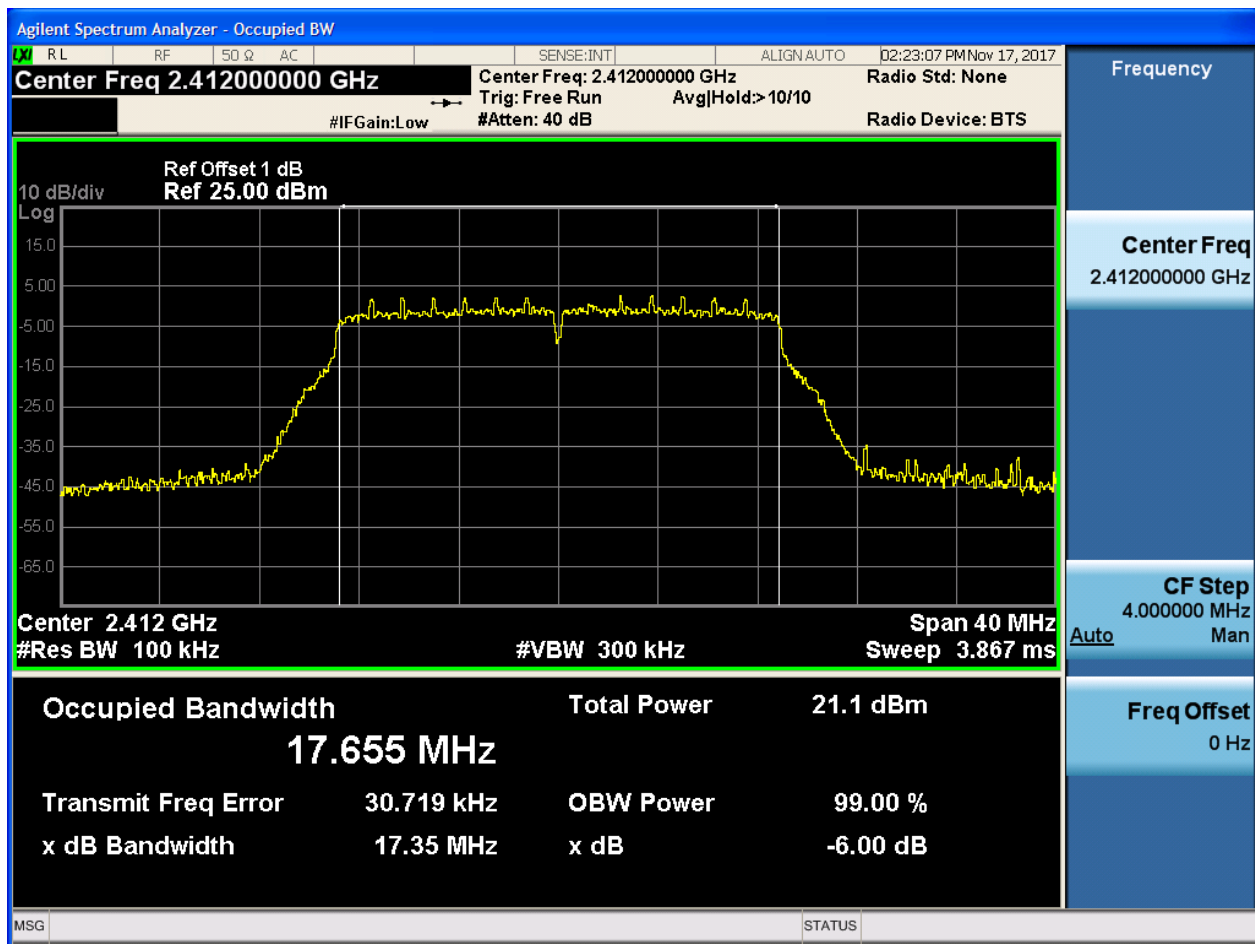


2.13 11N20_L@Ant 1



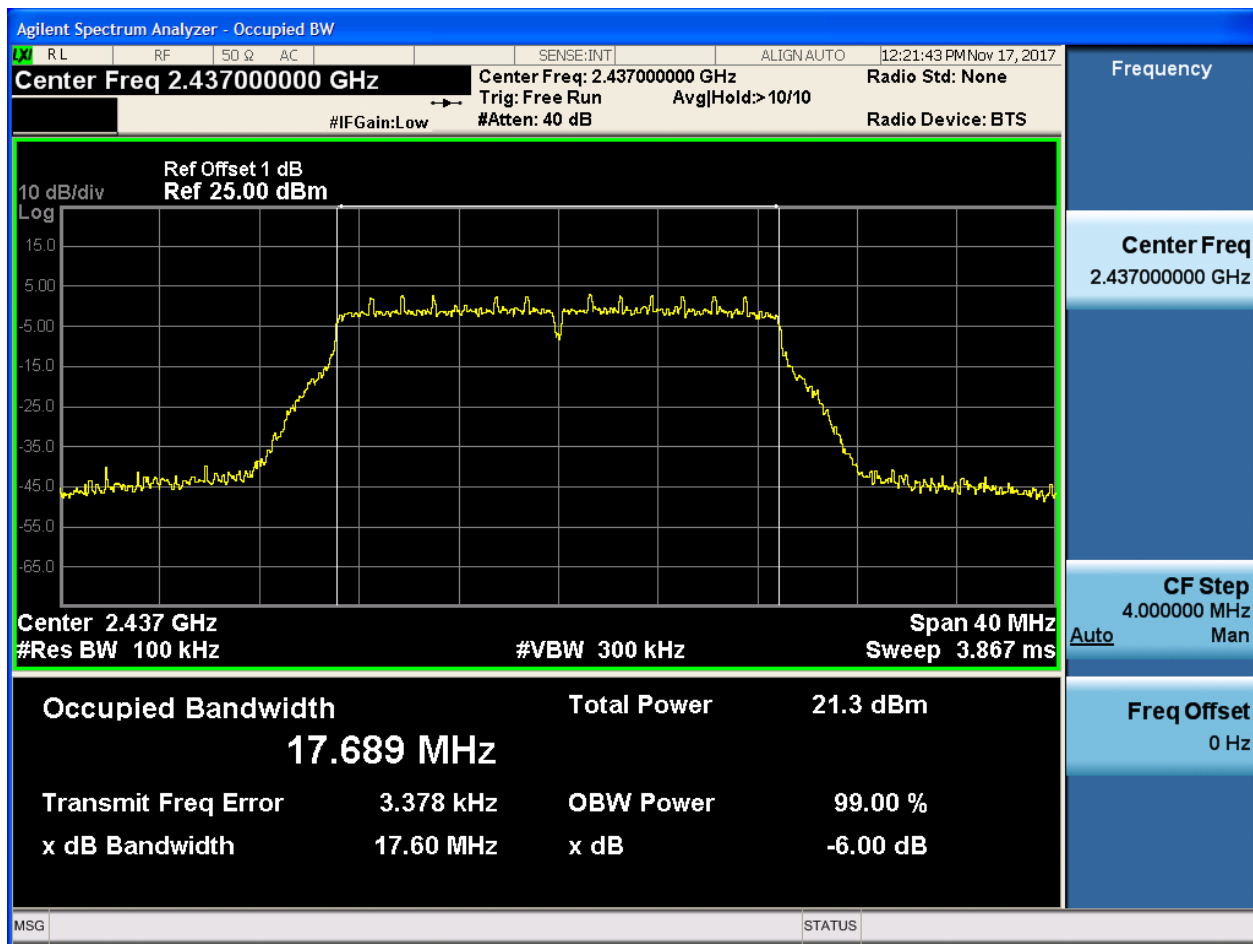


2.14 11N20_L@Ant 2



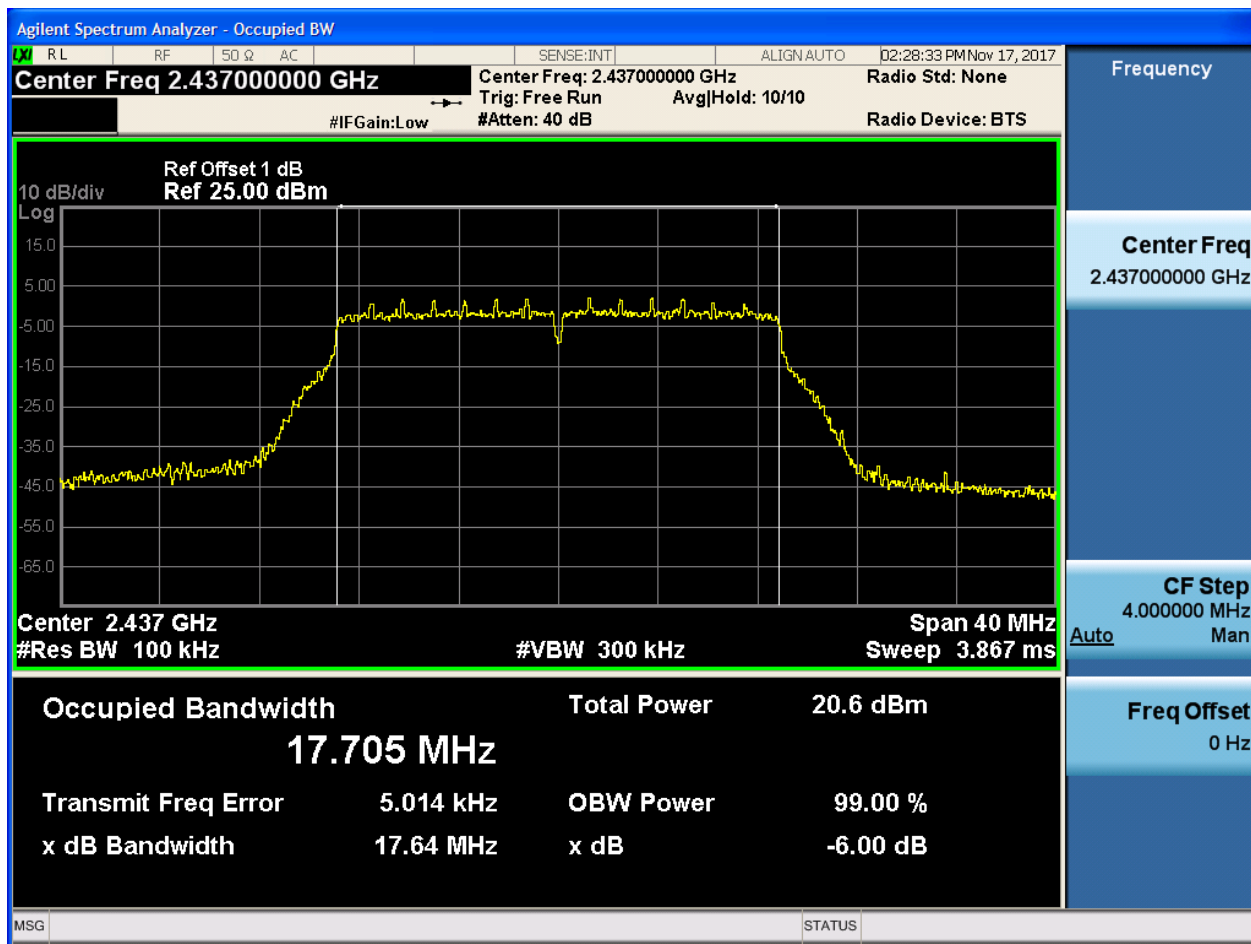


2.15 11N20_M@Ant 1



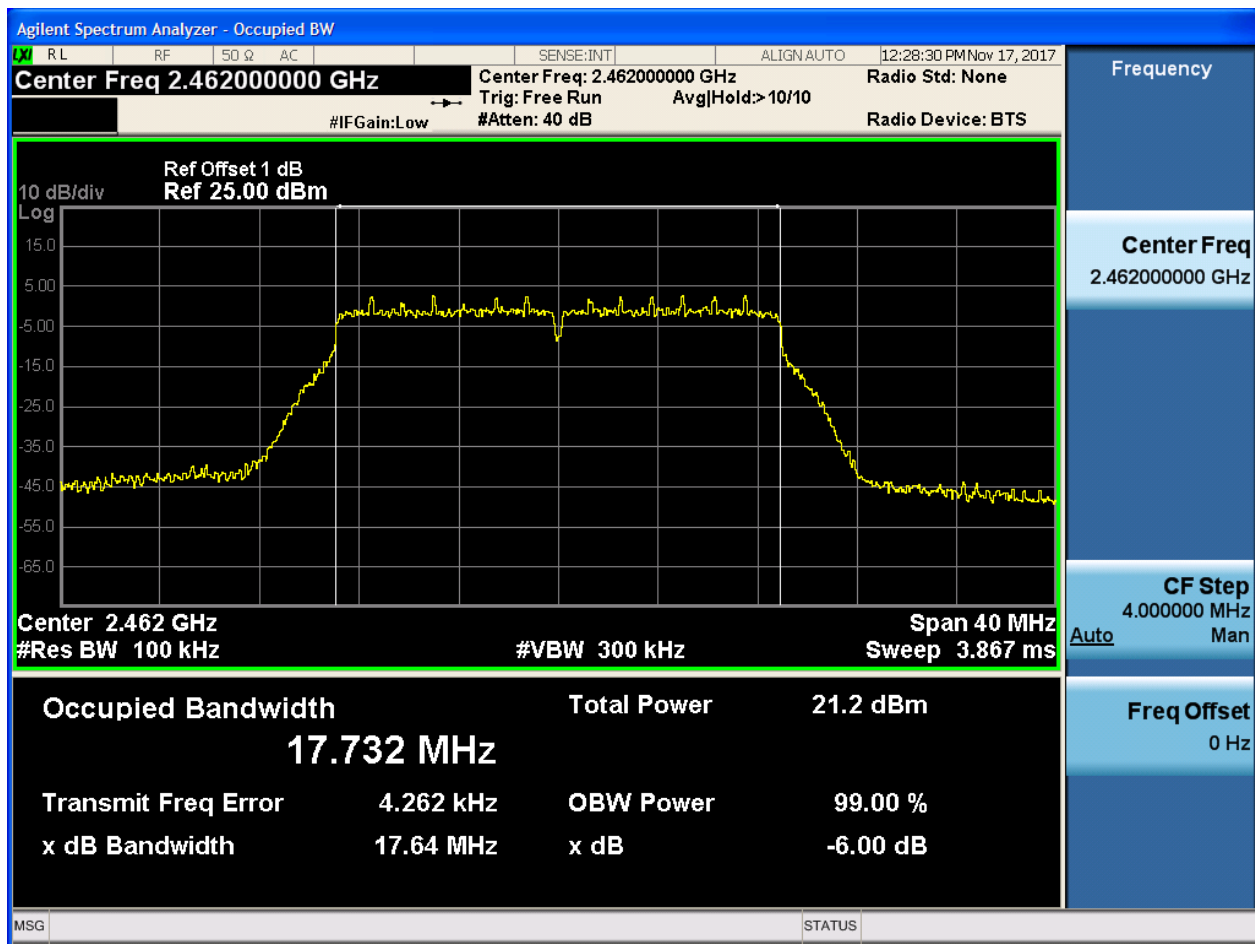


2.16 11N20_M@Ant 2



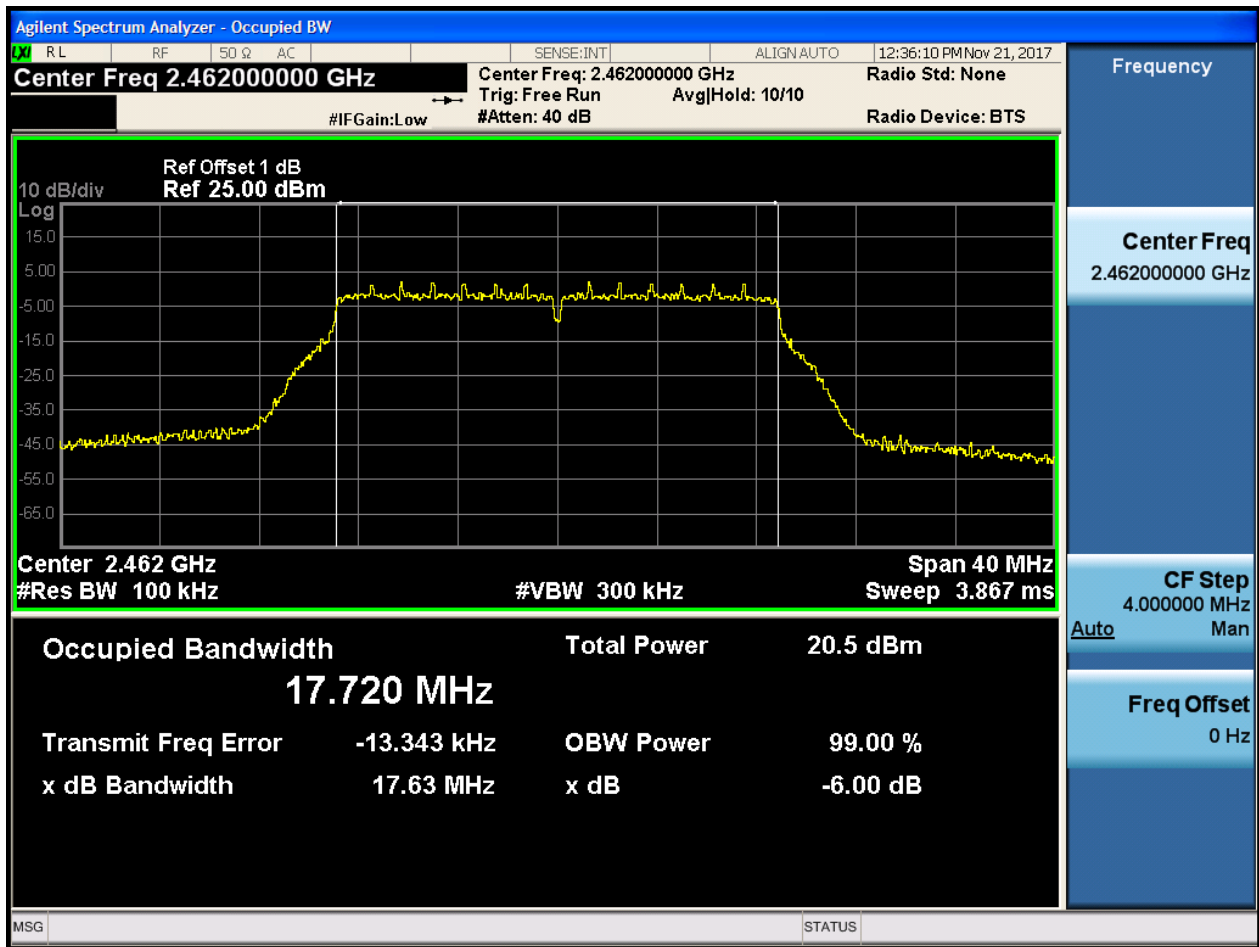


2.17 11N20_H@Ant 1



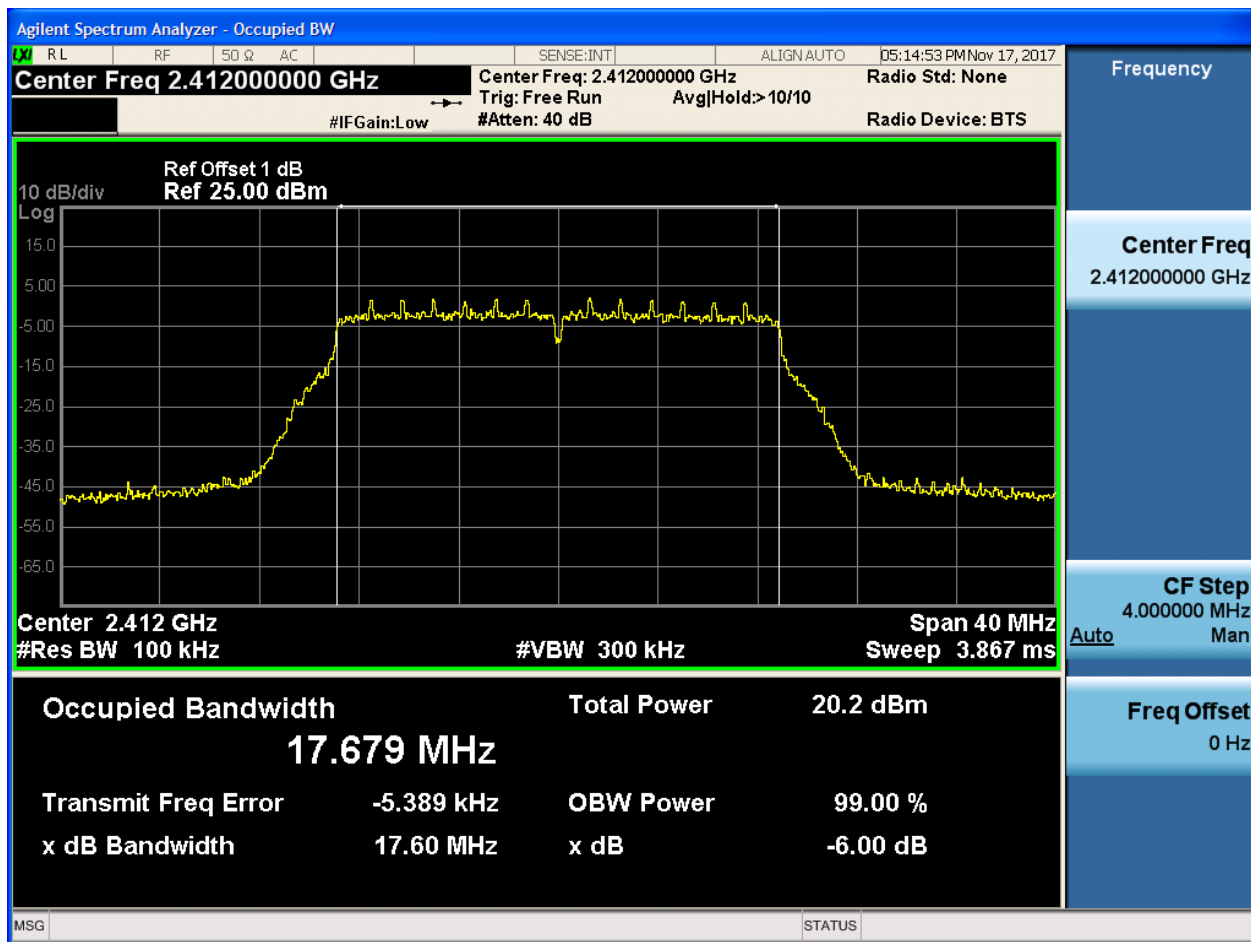


2.18 11N20_H@Ant 2



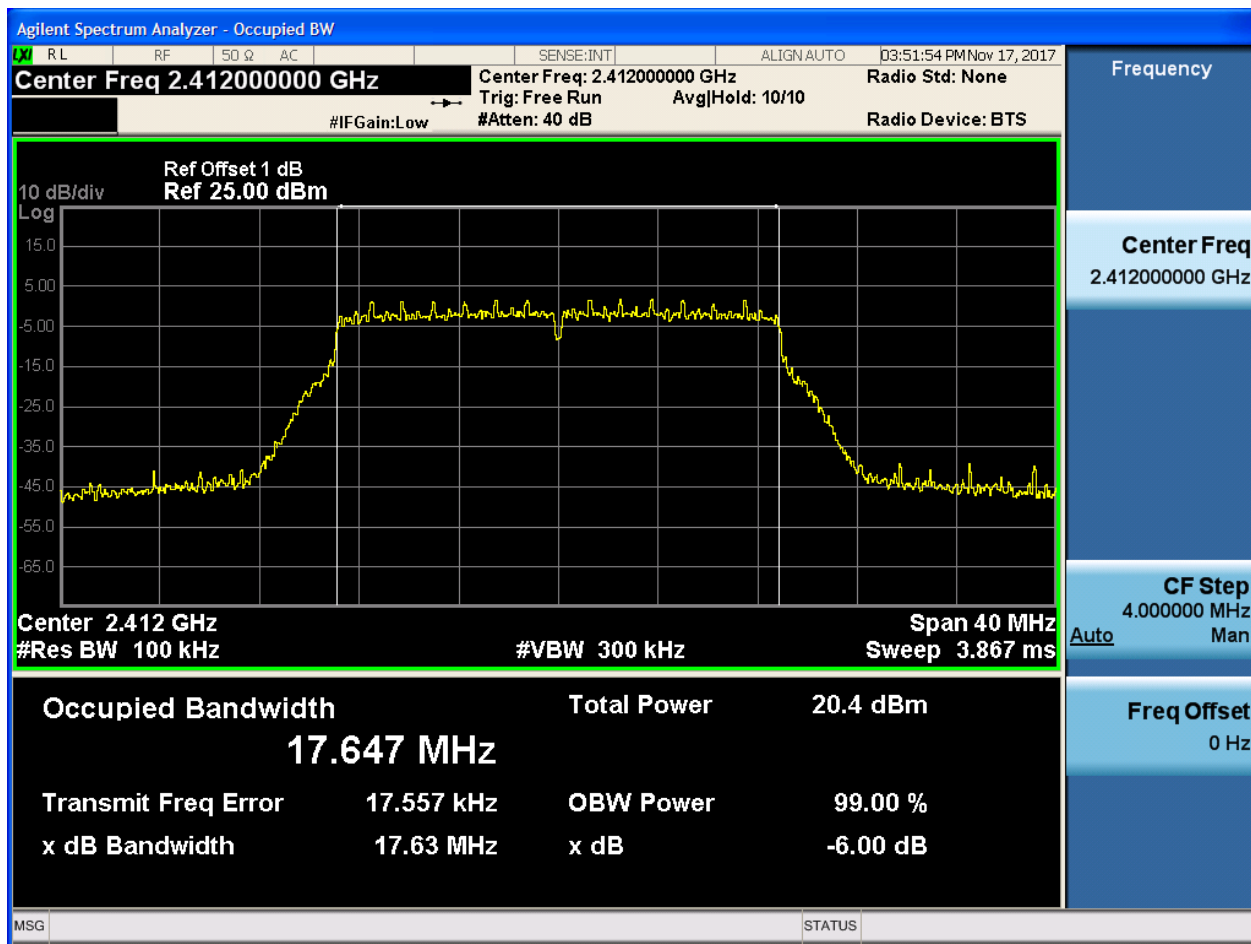


2.19 11N20m_L@Ant 1



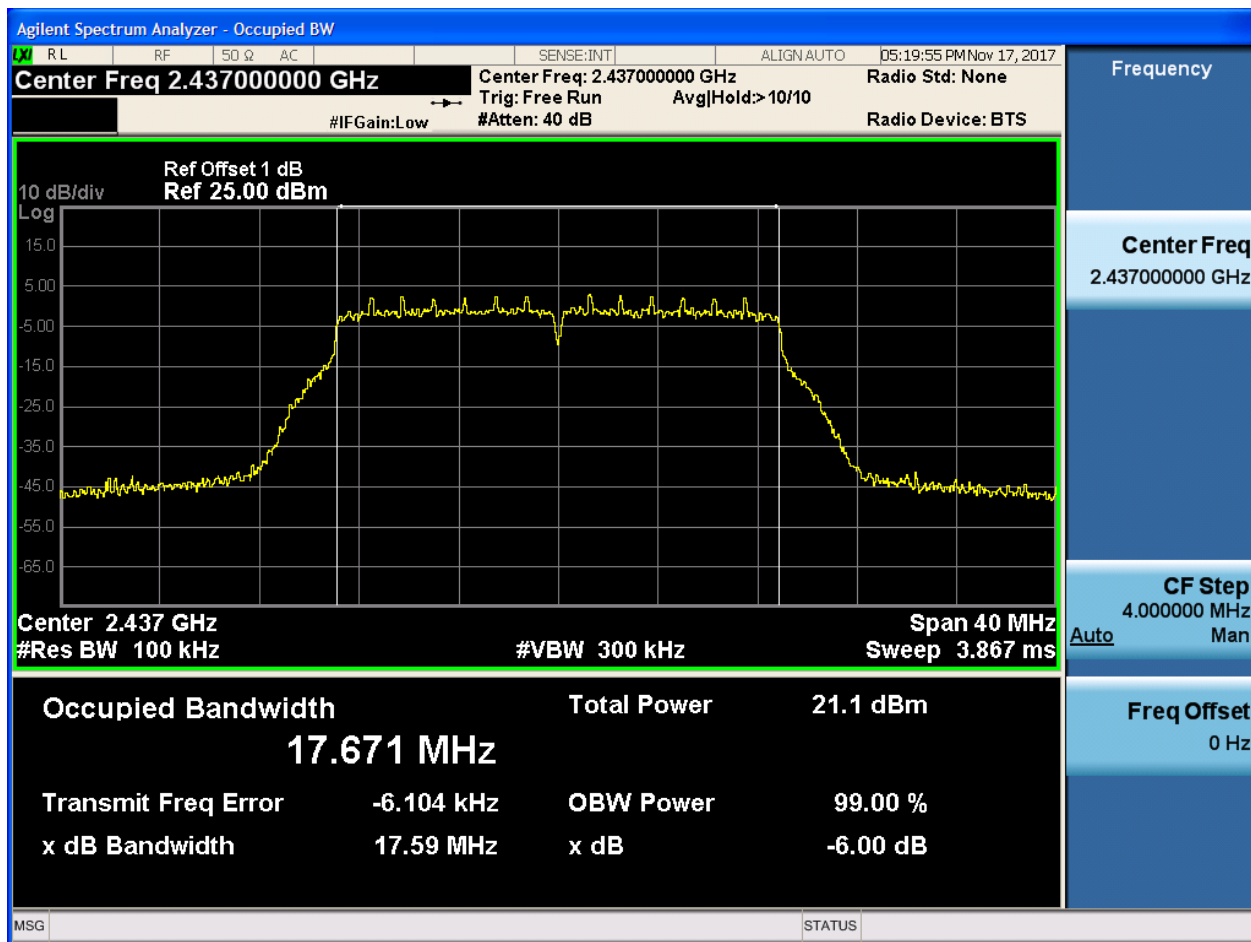


2.20 11N20m_L@Ant 2



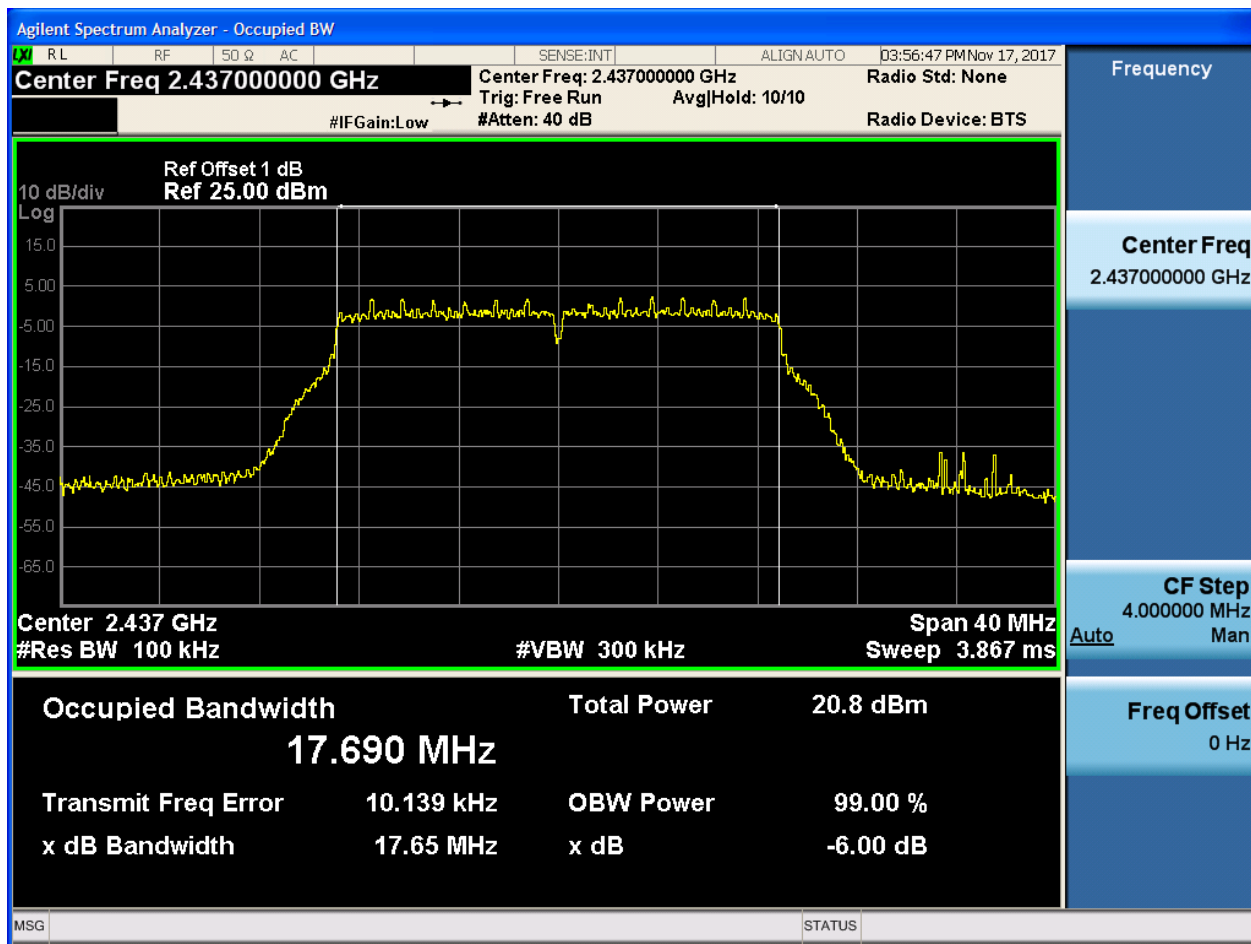


2.21 11N20m_M@Ant 1



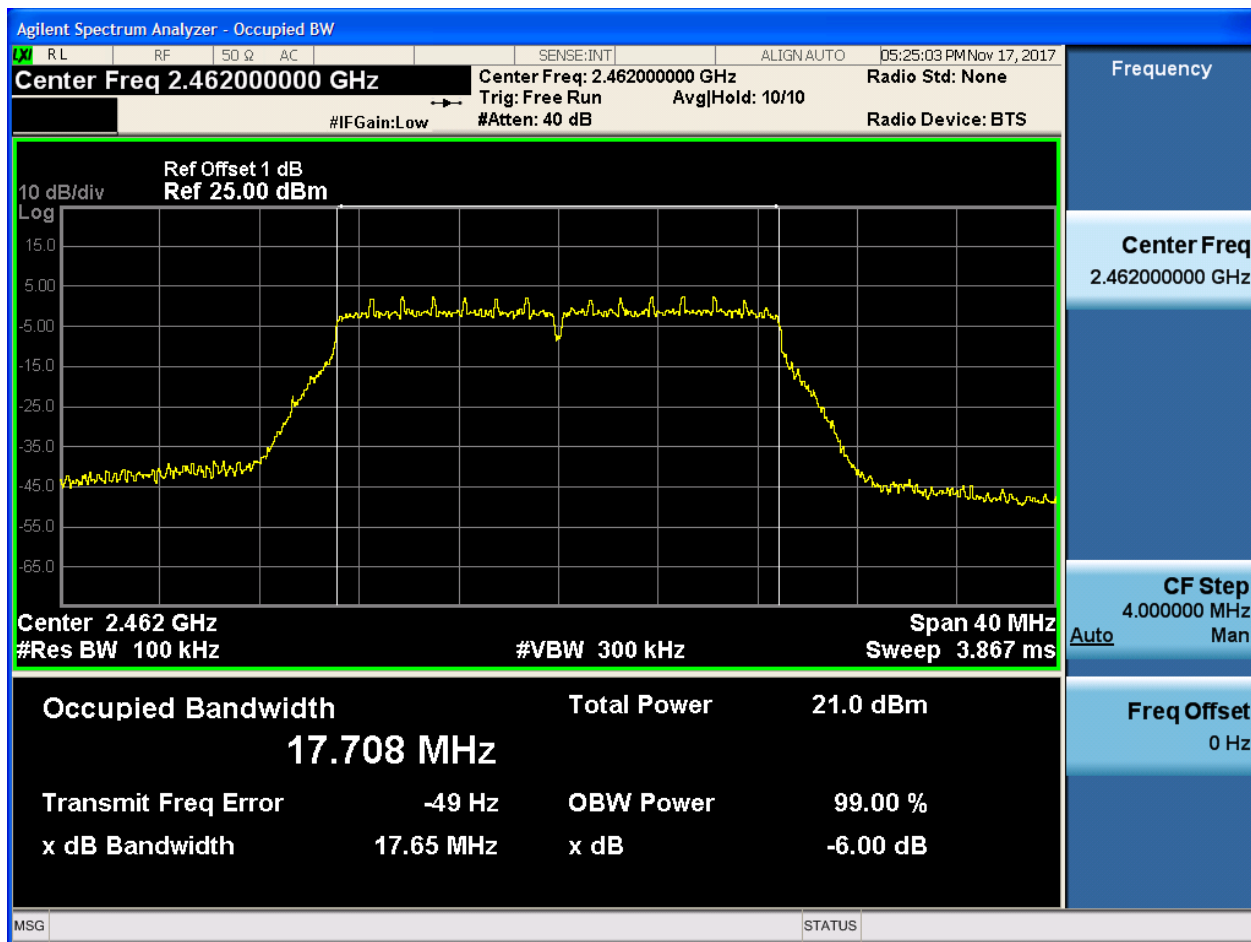


2.22 11N20m_M@Ant 2



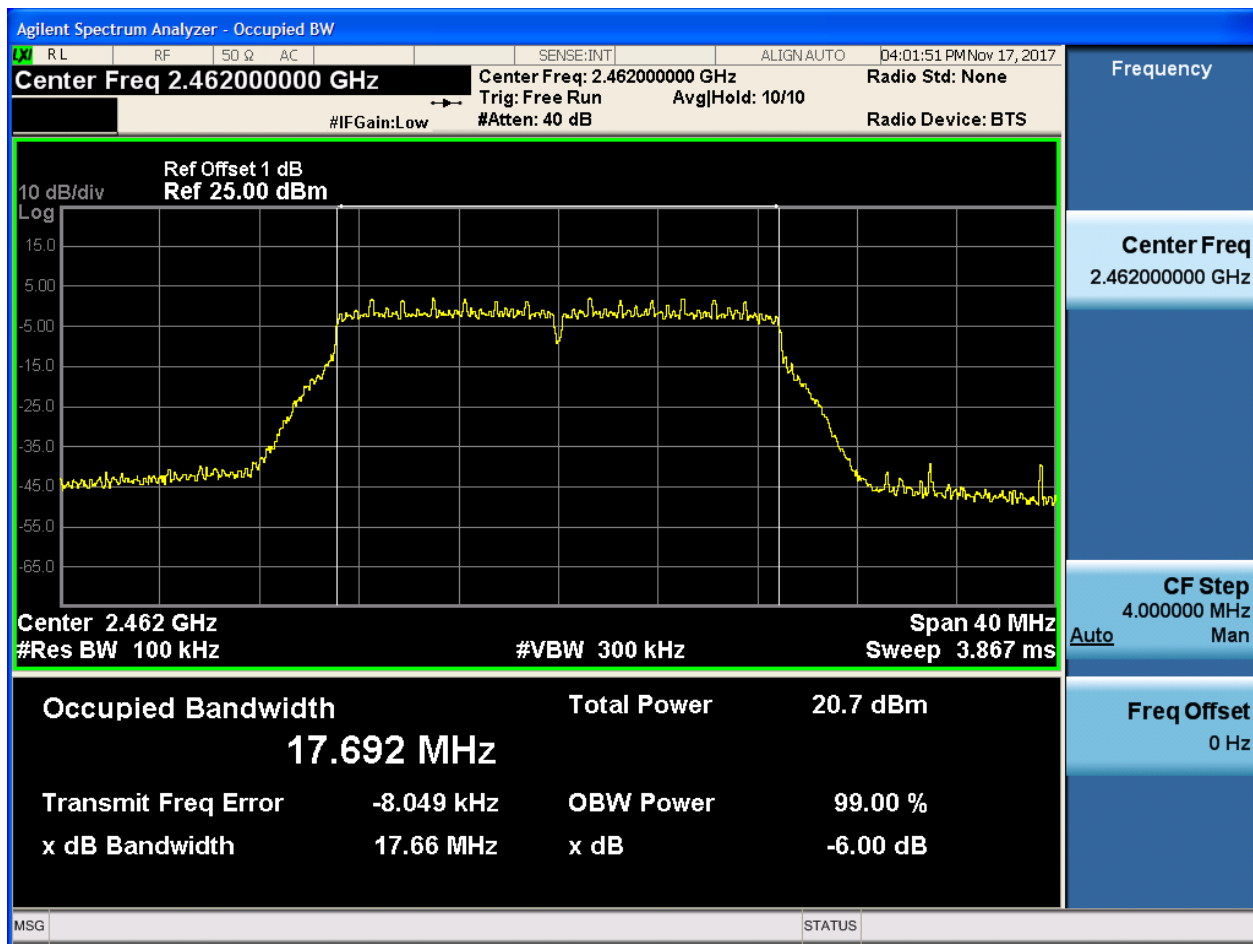


2.23 11N20m_H@Ant 1



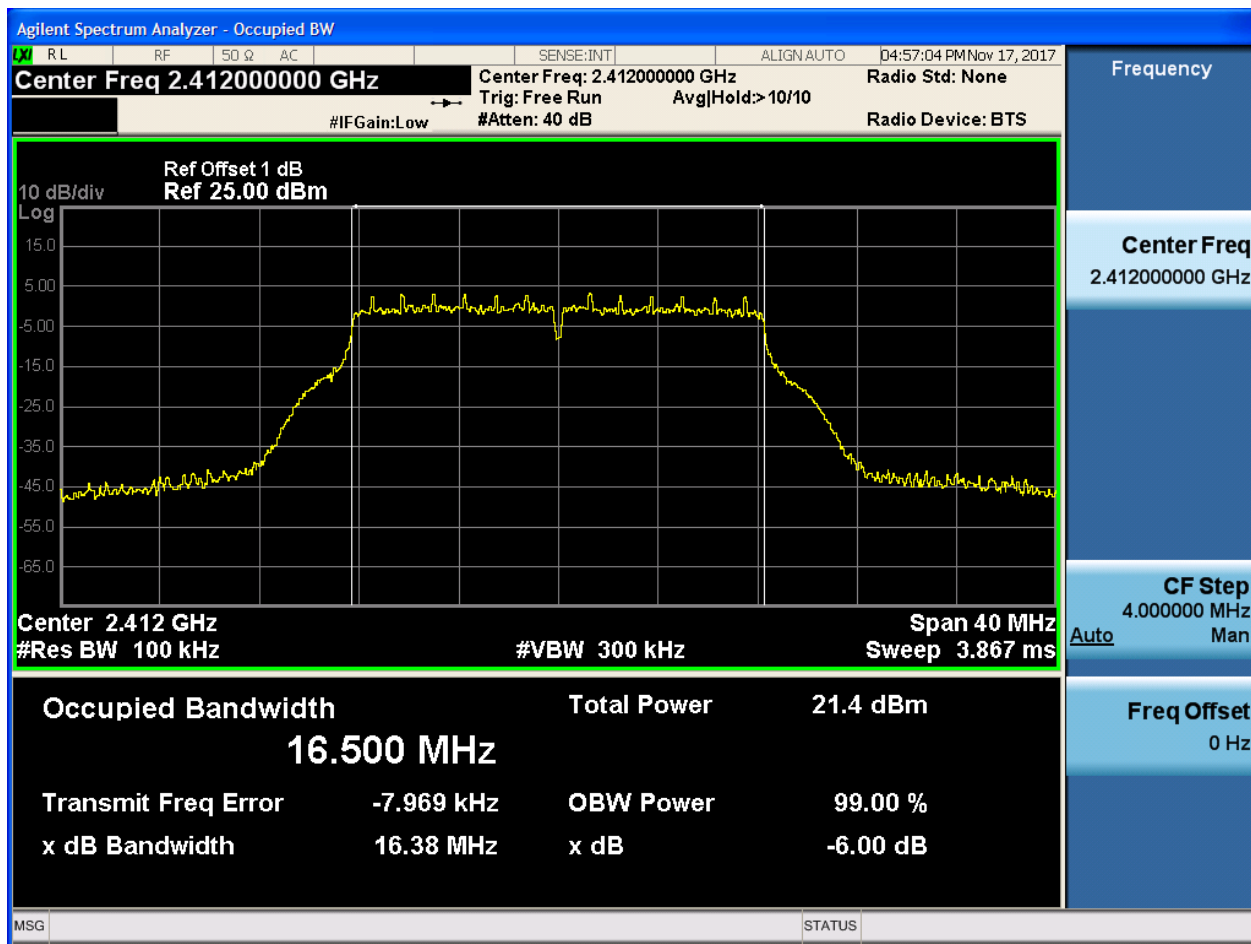


2.24 11N20m_H@Ant 2



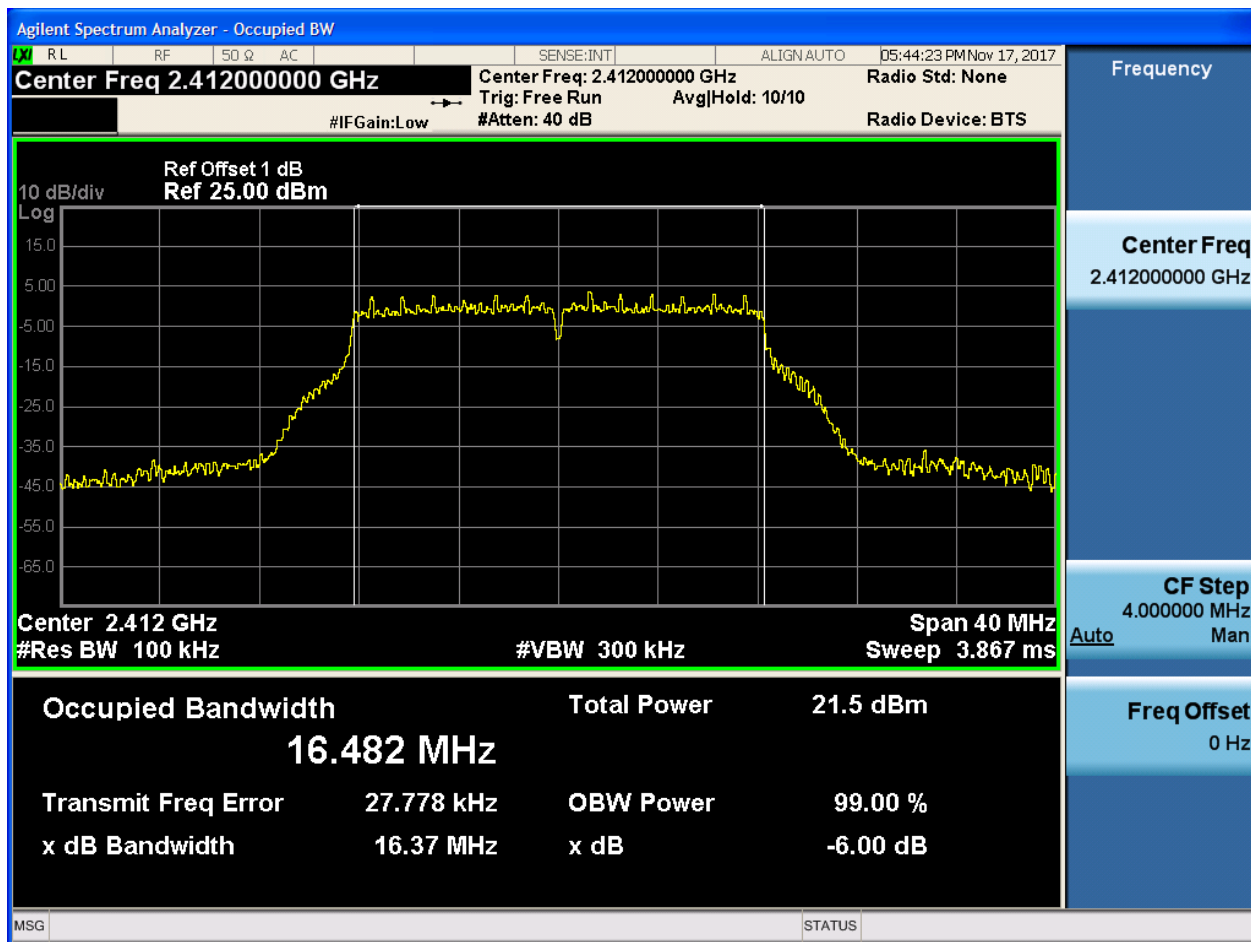


2.25 11G_CDD L@Ant 1



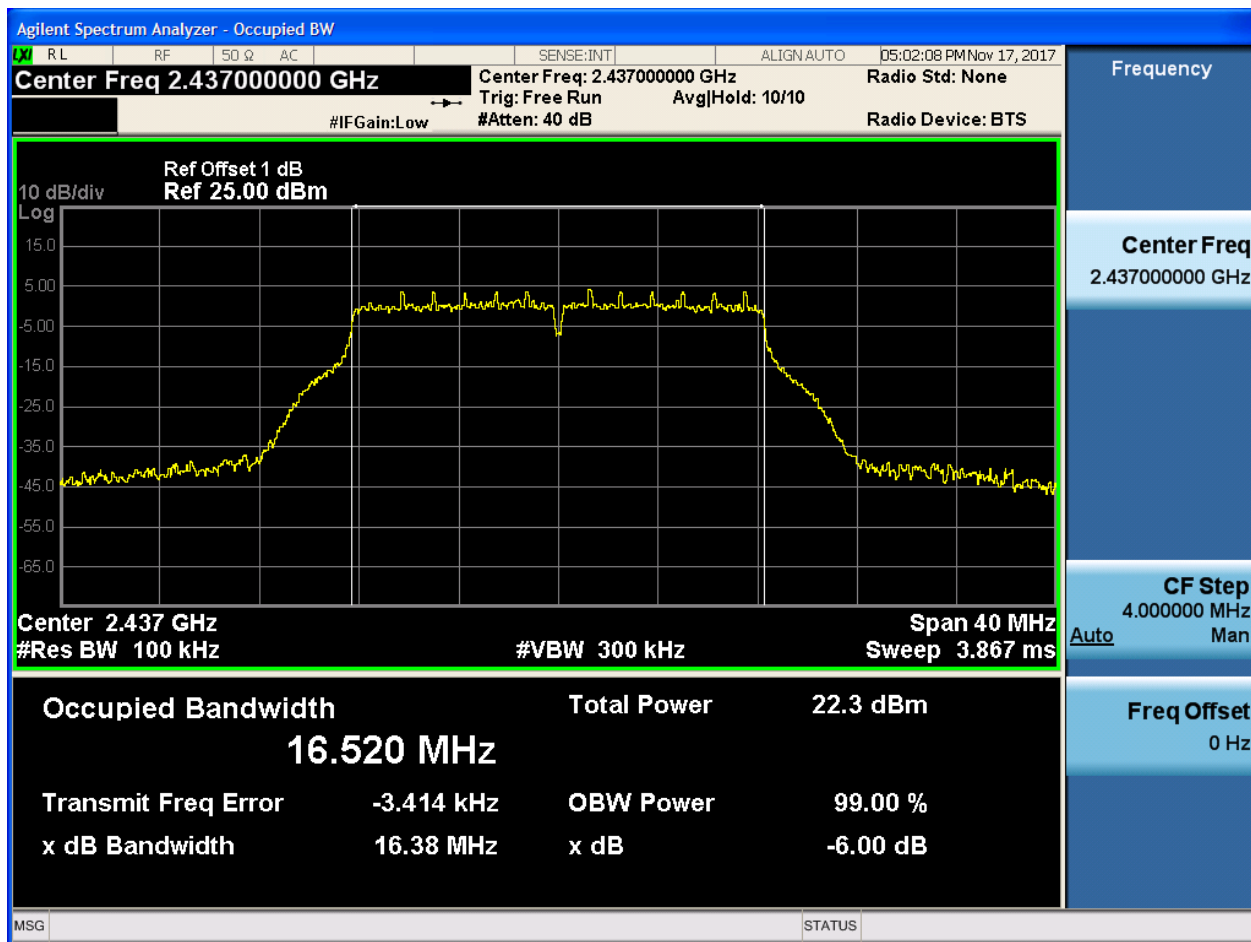


2.26 11G_CDD L@Ant 2



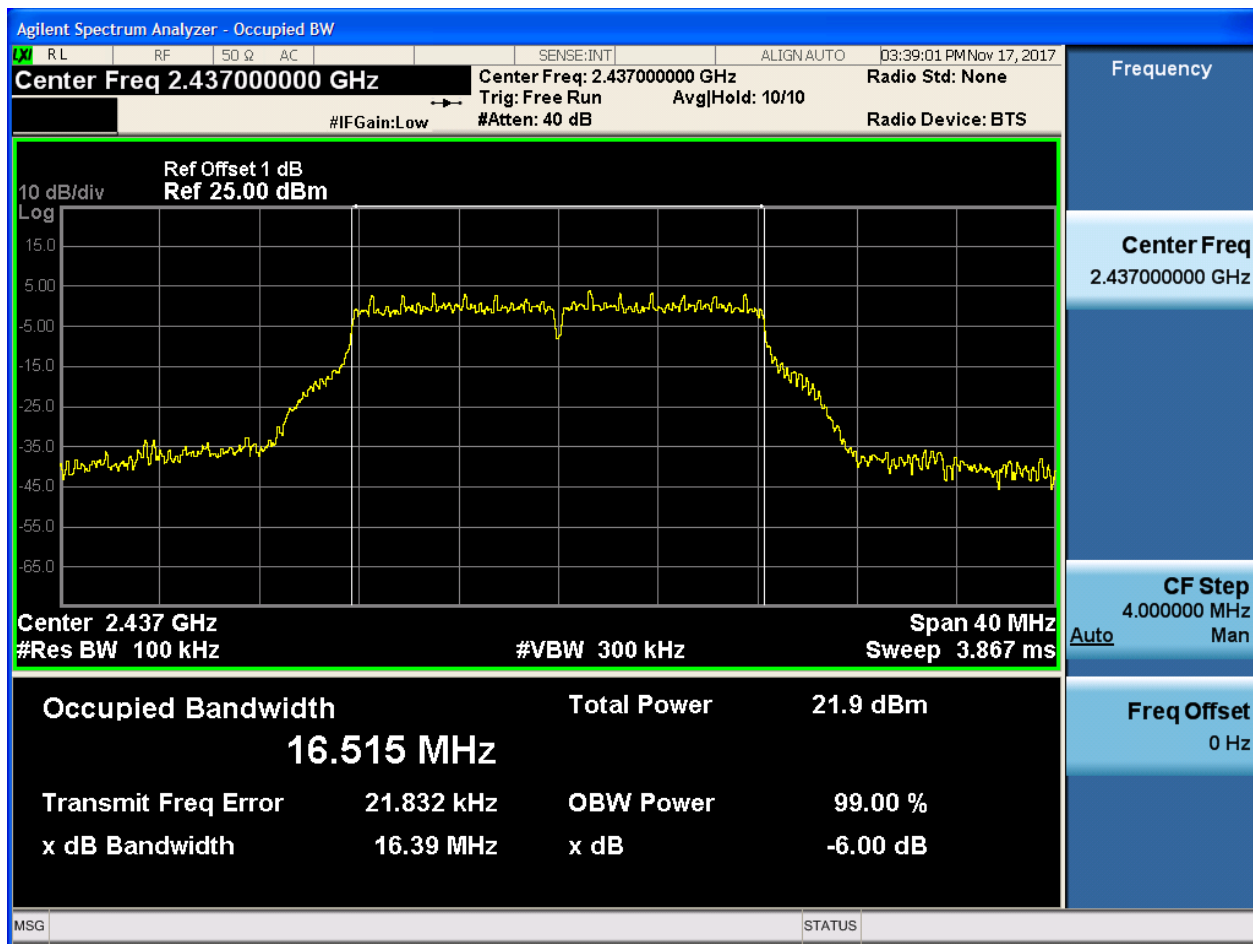


2.27 11G_CDD M@Ant 1



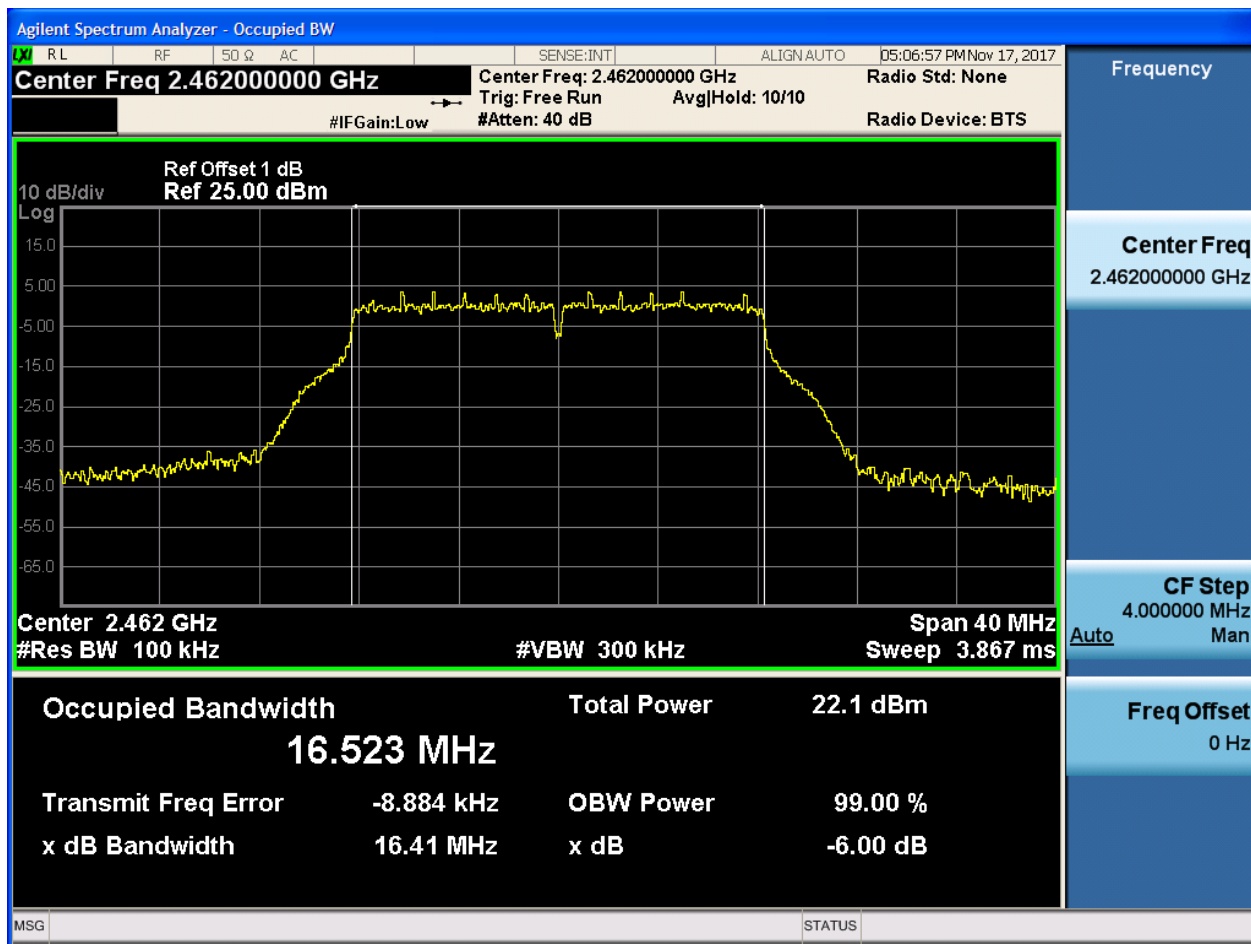


2.28 11G_CDD M@Ant 2



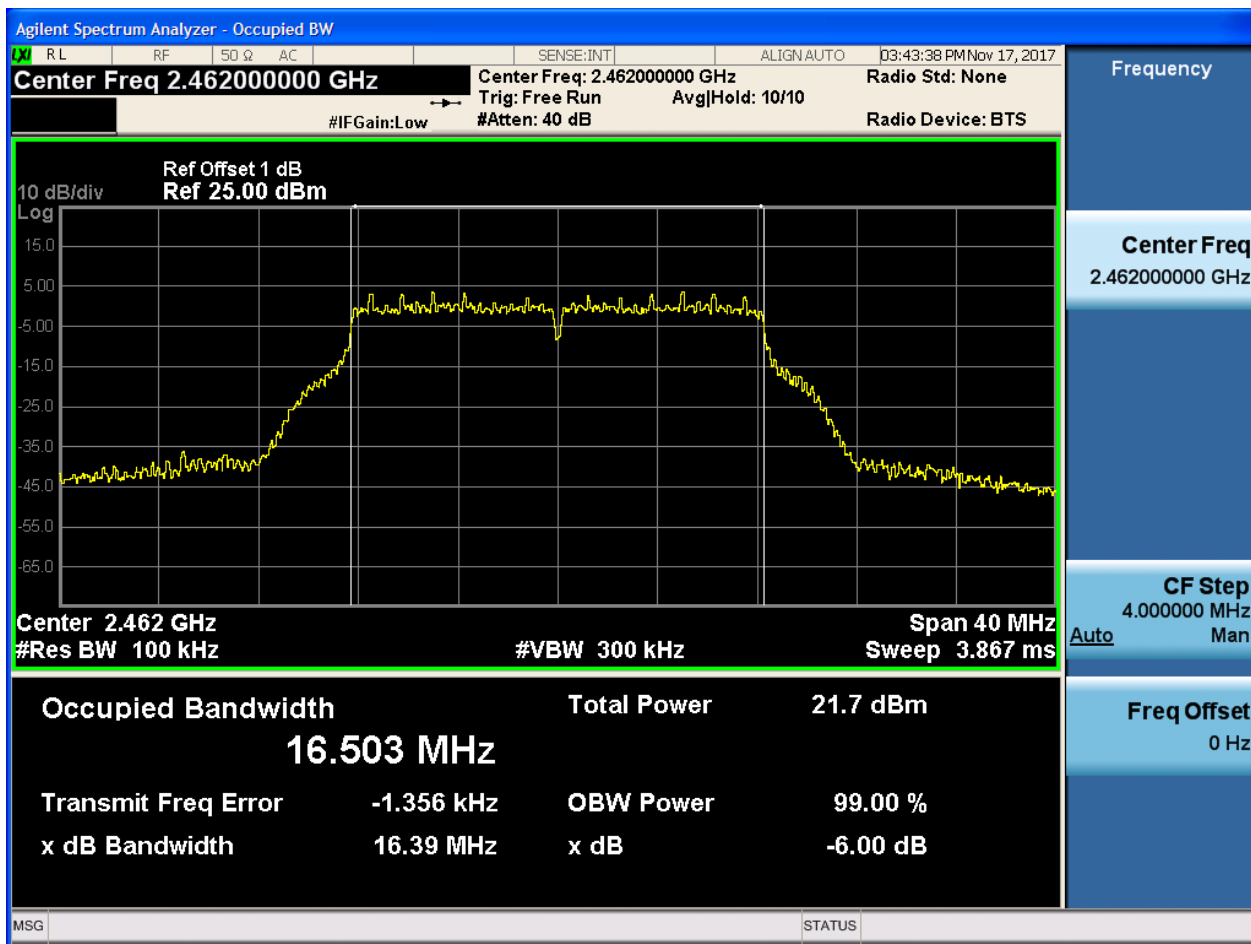


2.29 11G_CDD H@Ant 1





2.30 11G_CDD 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.

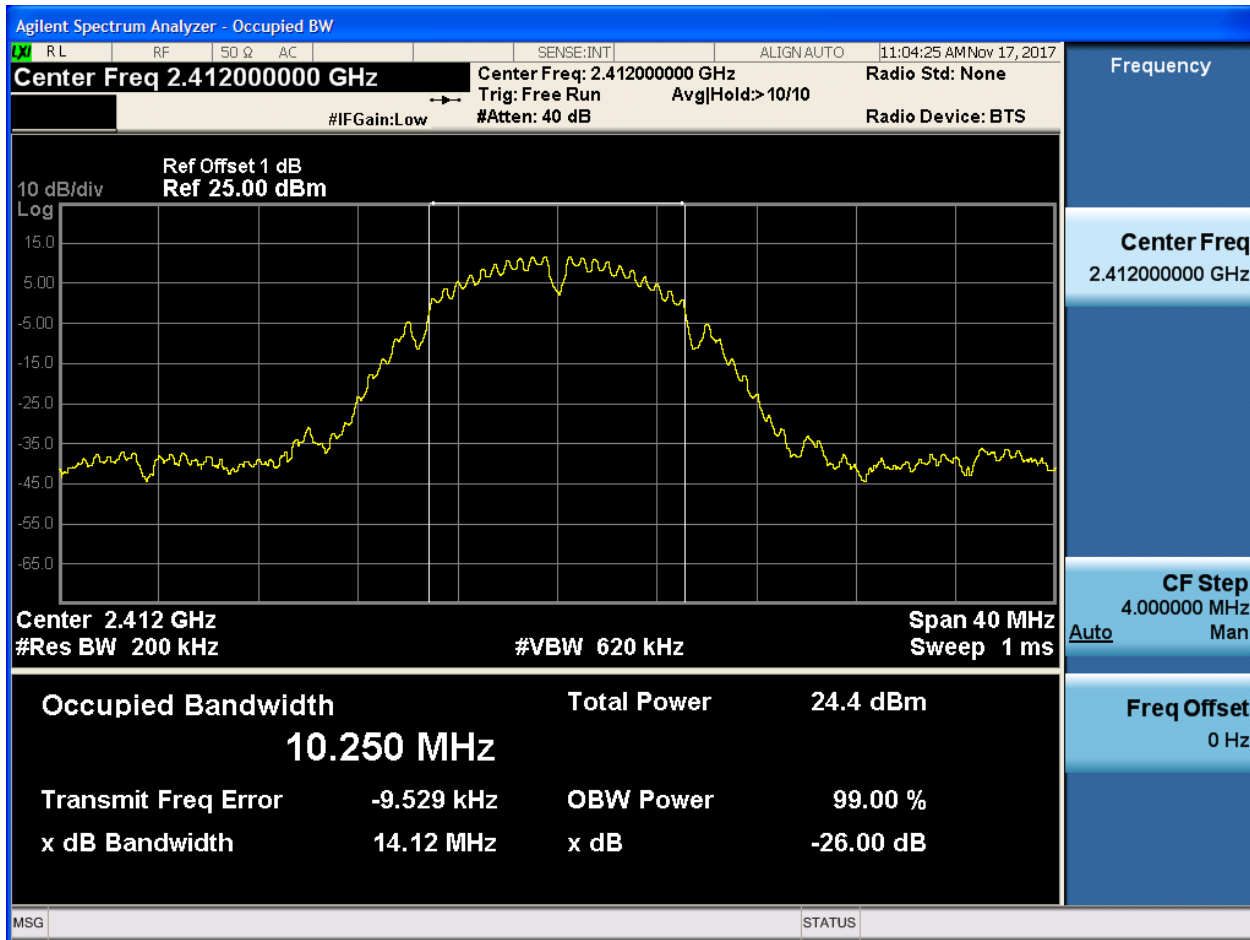
Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	Occupied Bandwidth [MHz]	Verdict
11B	L	2412	Ant 1	10.25	pass
11B	L	2412	Ant 2	11.31	pass
11B	M	2437	Ant 1	10.18	pass
11B	M	2437	Ant 2	10.44	pass
11B	H	2462	Ant 1	10.23	pass
11B	H	2462	Ant 2	10.50	pass
11G	L	2412	Ant 1	16.72	pass
11G	L	2412	Ant 2	16.71	pass
11G	M	2437	Ant 1	16.72	pass
11G	M	2437	Ant 2	16.78	pass
11G	H	2462	Ant 1	16.76	pass
11G	H	2462	Ant 2	16.78	pass
11N20	L	2412	Ant 1	17.86	pass
11N20	L	2412	Ant 2	17.79	pass
11N20	M	2437	Ant 1	17.86	pass
11N20	M	2437	Ant 2	17.92	pass
11N20	H	2462	Ant 1	17.86	pass
11N20	H	2462	Ant 2	17.92	pass
11N20m	L	2412	Ant 1	17.82	pass
11N20m	L	2412	Ant 2	17.76	pass
11N20m	M	2437	Ant 1	17.84	pass
11N20m	M	2437	Ant 2	17.81	pass
11N20m	H	2462	Ant 1	17.90	pass
11N20m	H	2462	Ant 2	17.85	pass
11G CDD	L	2412	Ant 1	16.71	pass
11G CDD	L	2412	Ant 2	16.70	pass
11G CDD	M	2437	Ant 1	16.73	pass
11G CDD	M	2437	Ant 2	16.76	pass
11G CDD	H	2462	Ant 1	16.75	pass
11G CDD	H	2462	Ant 2	16.76	pass



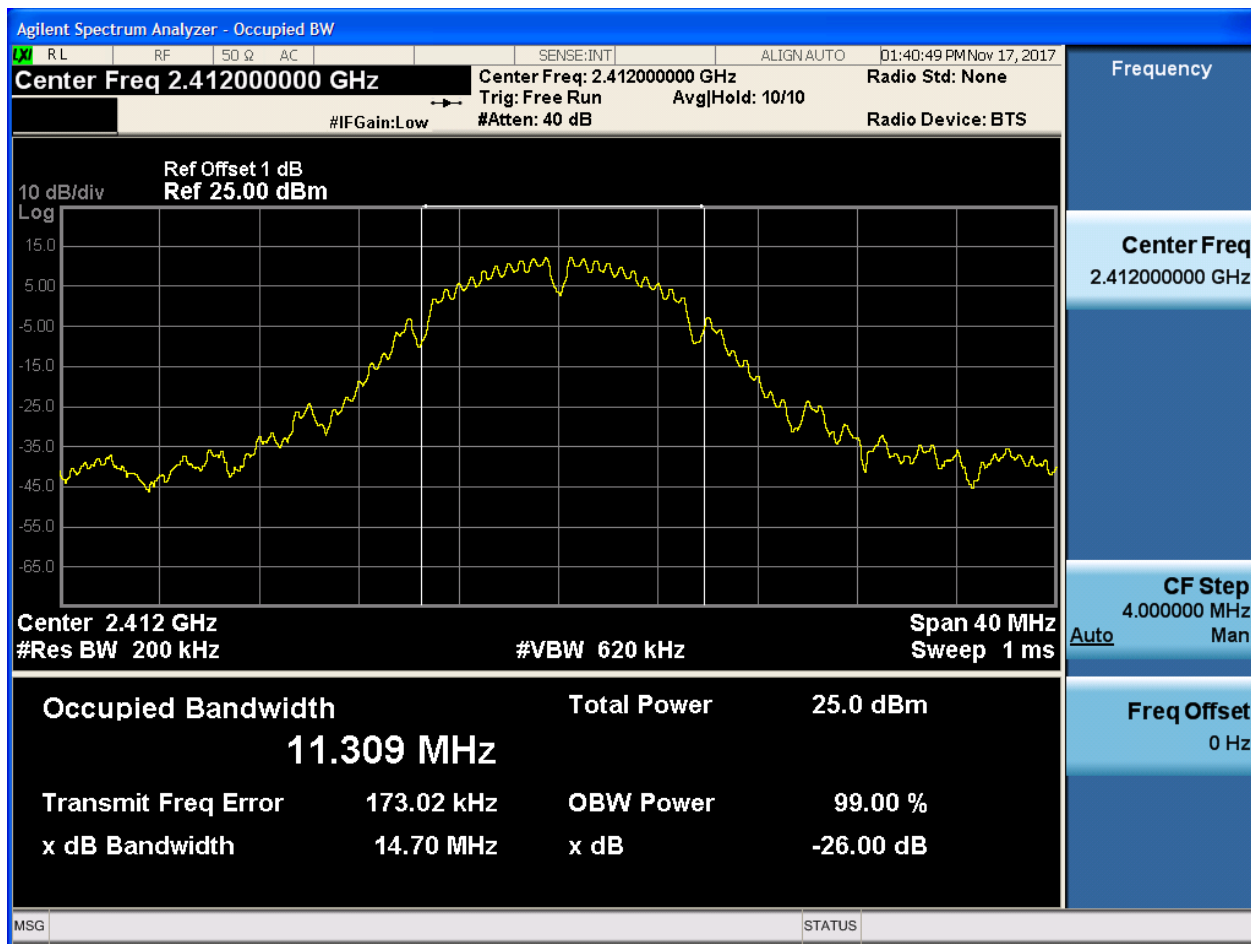
Part II - Test Plots

2.1 11B_L@Ant 1



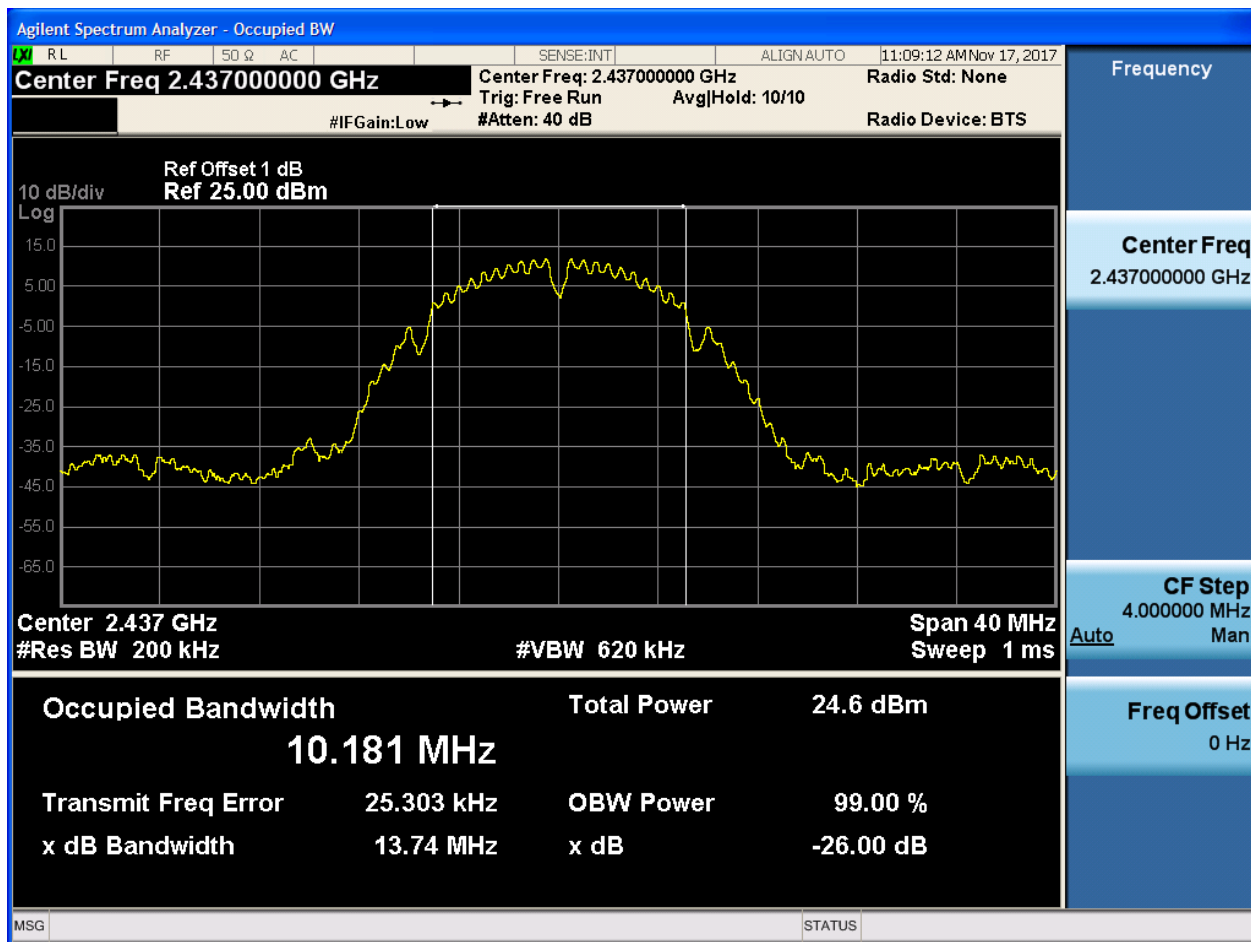


2.2 11B_L@Ant 2



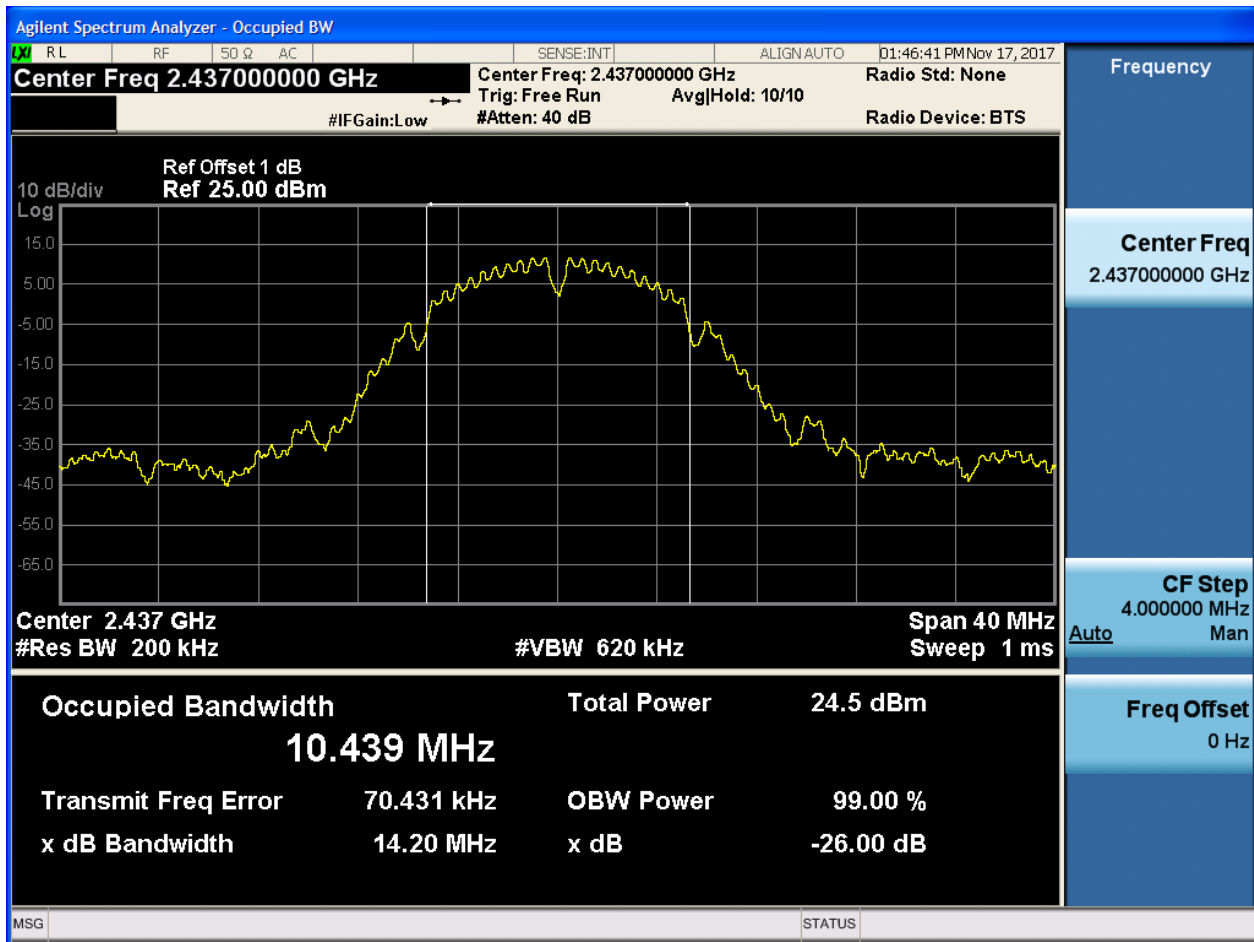


2.3 11B_M@Ant 1



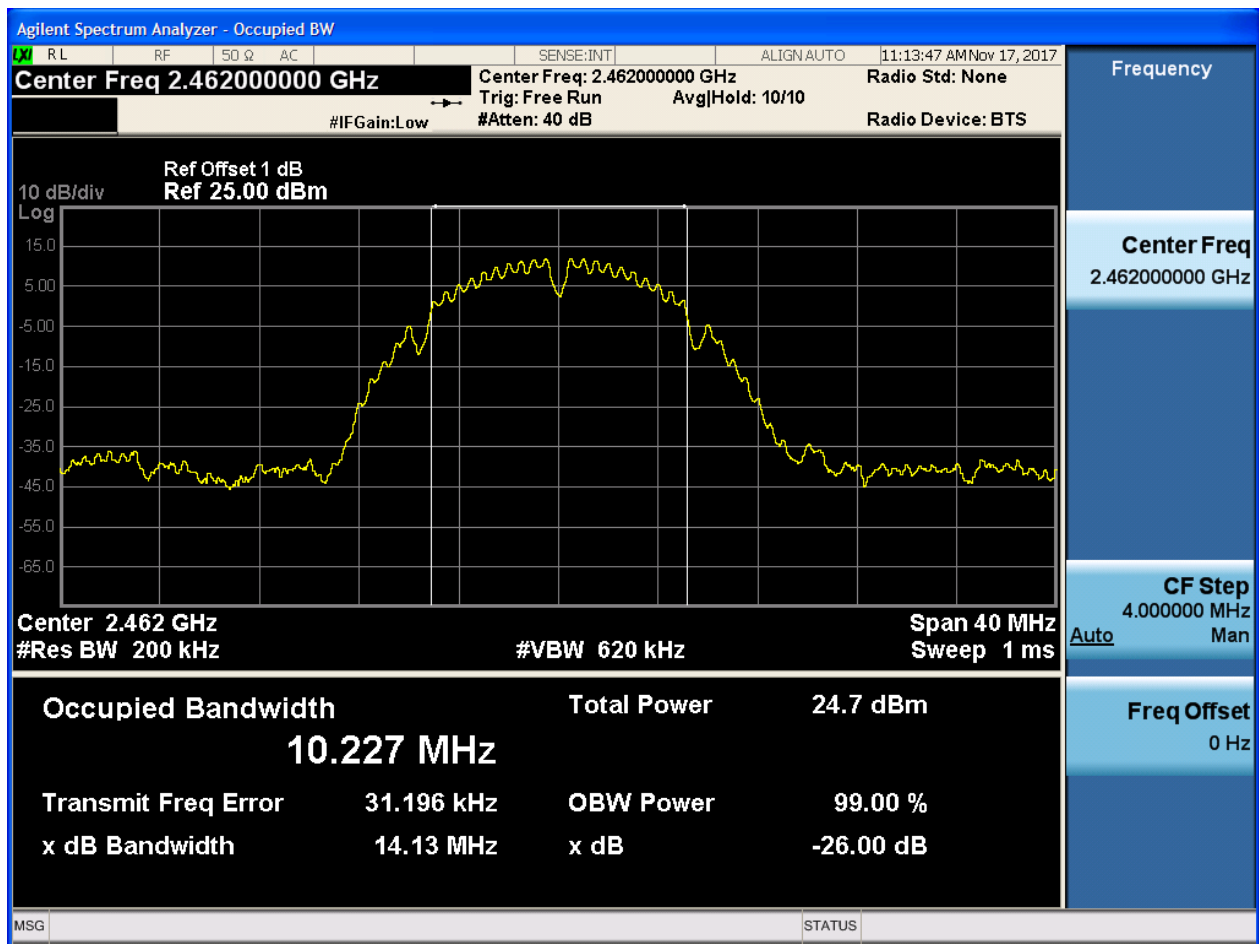


2.4 11B_M@Ant 2



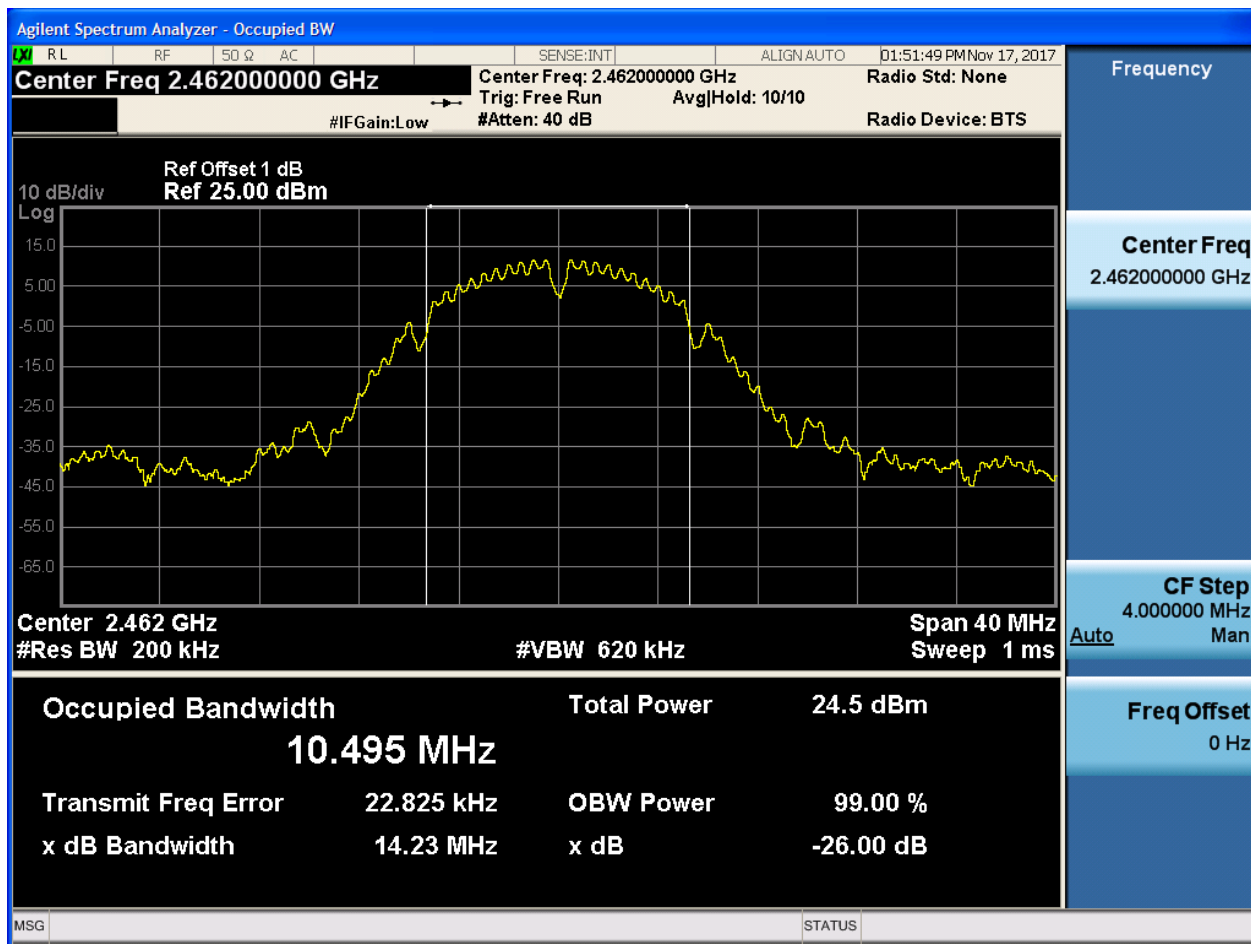


2.5 11B_H@Ant 1



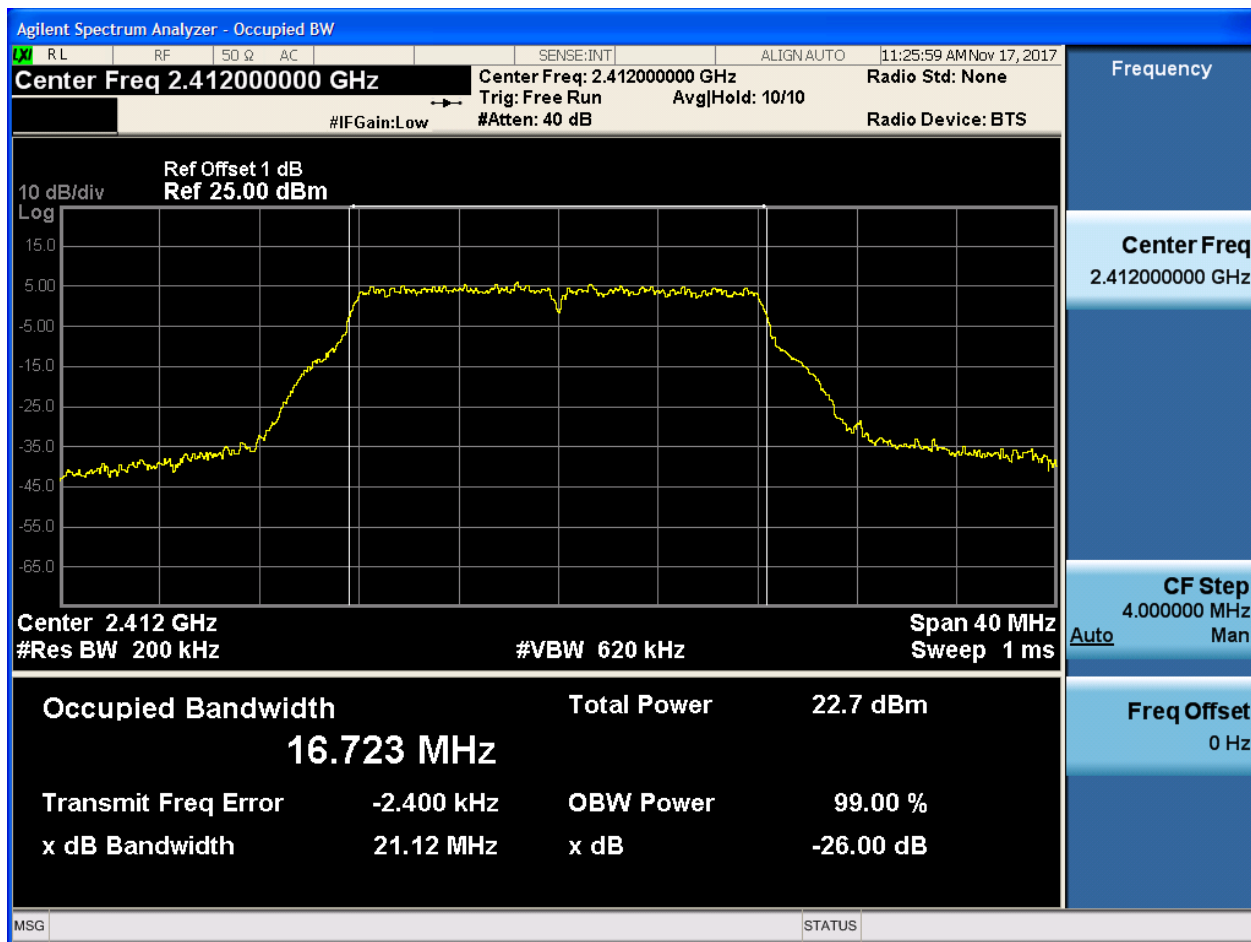


2.6 11B_H@Ant 2



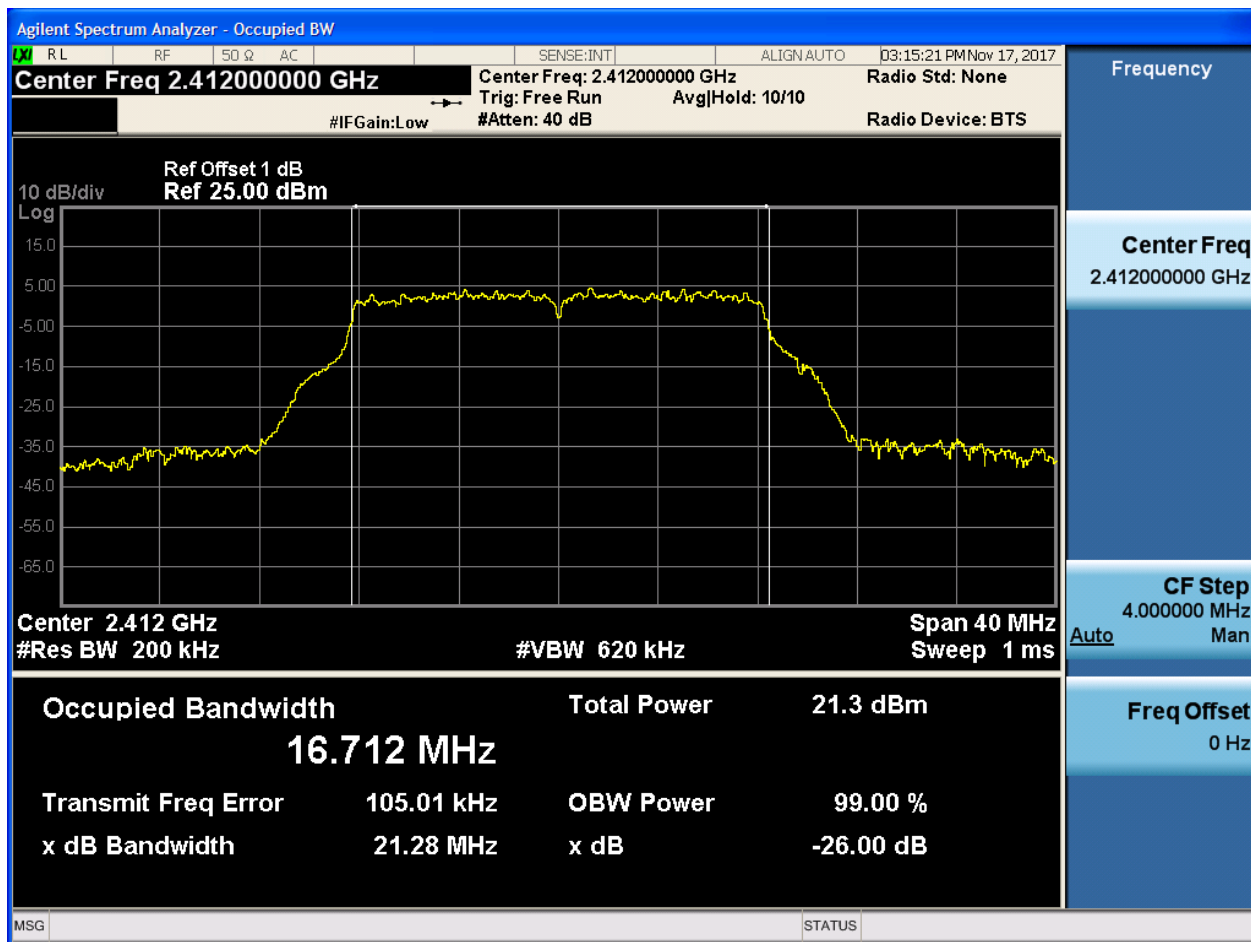


2.7 11G_L@Ant 1



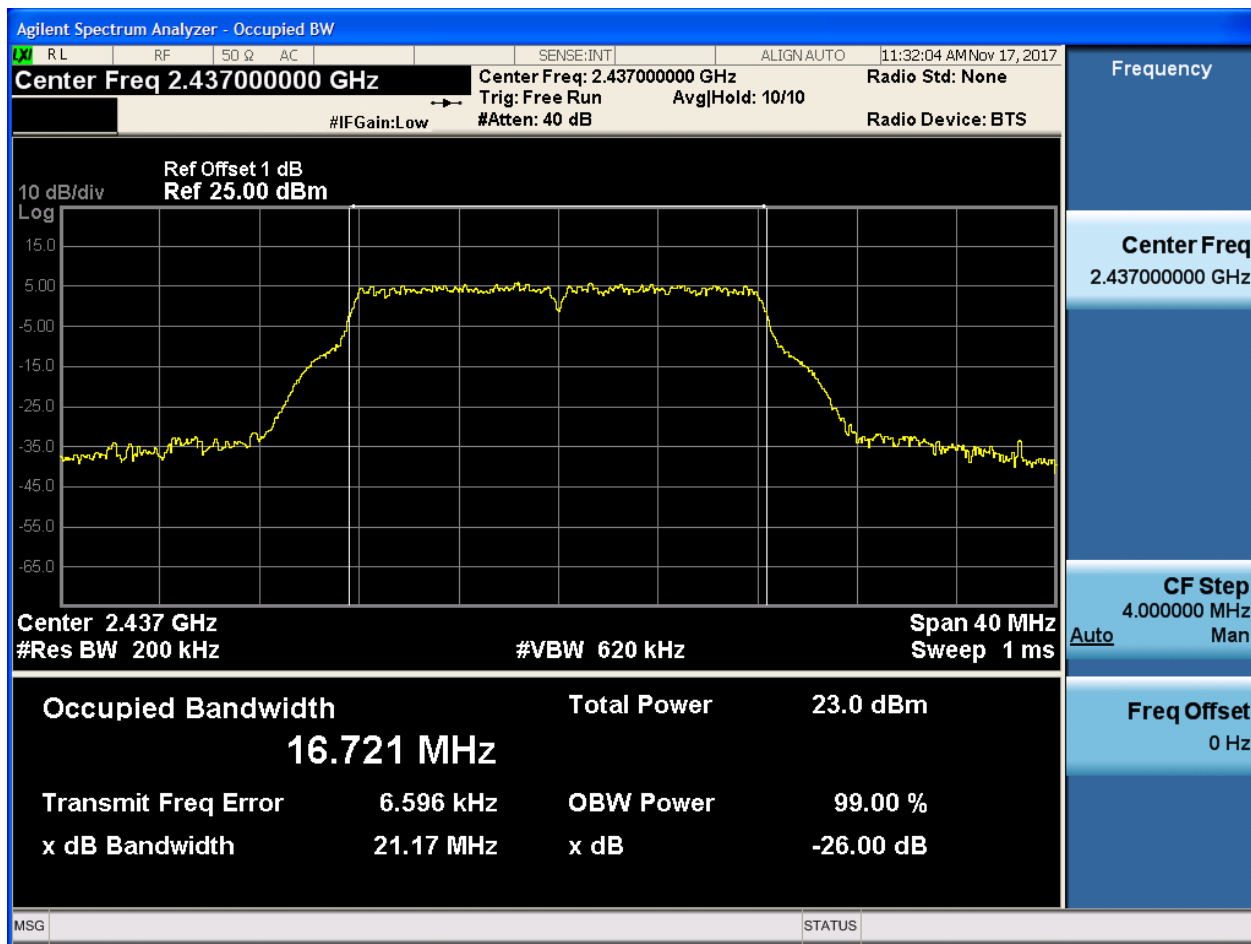


2.8 11G_L@Ant 2



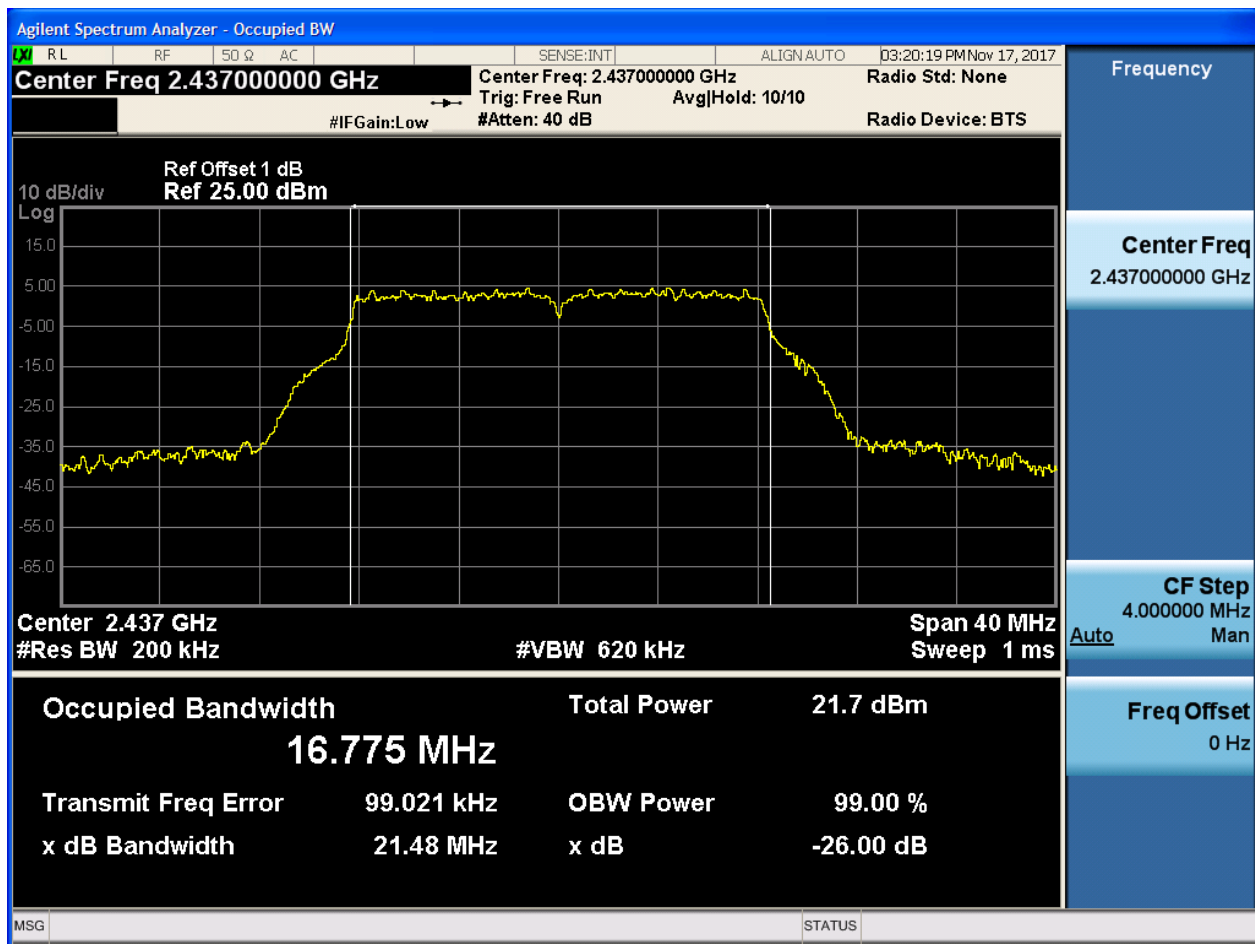


2.9 11G_M@Ant 1



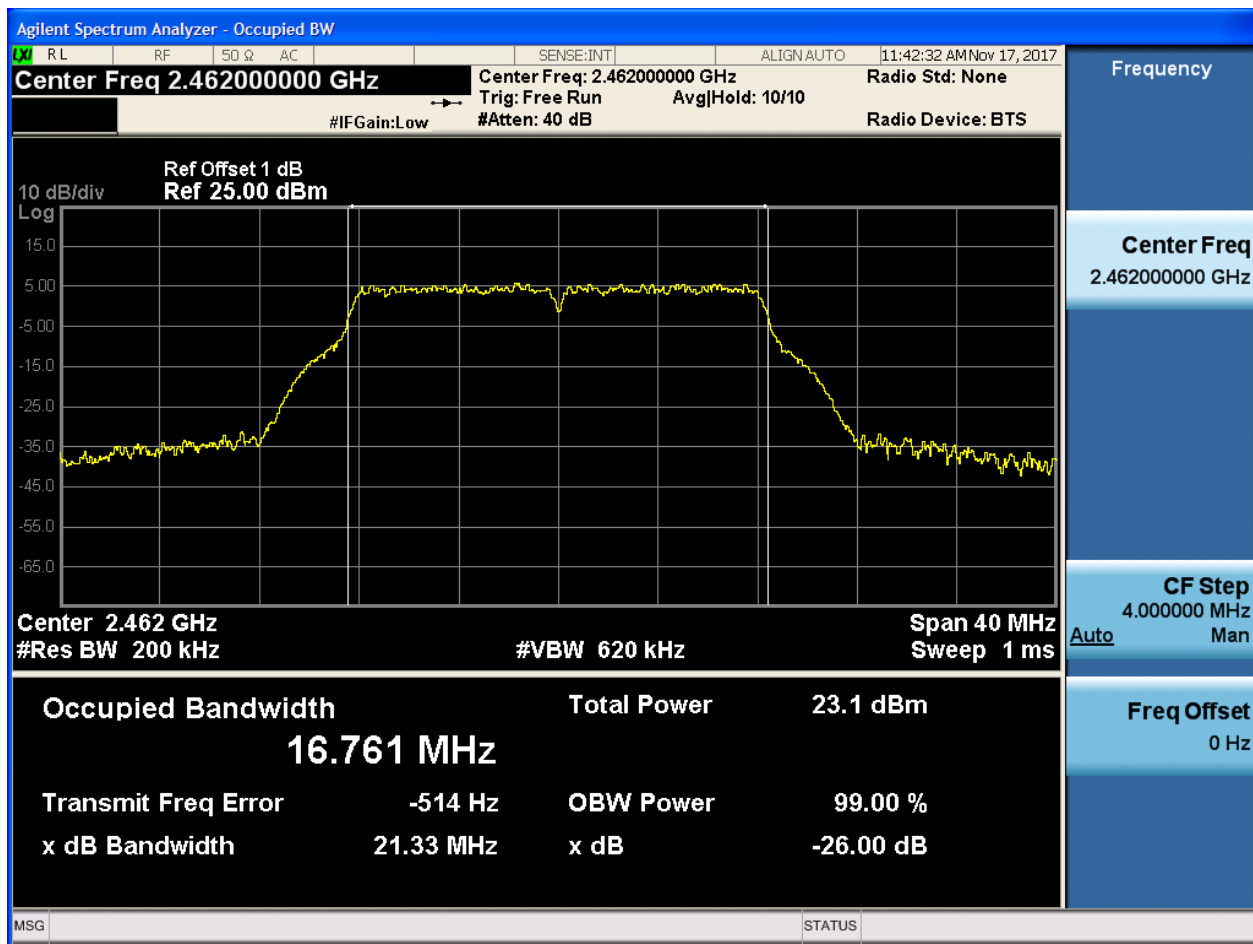


2.10 11G_M@Ant 2



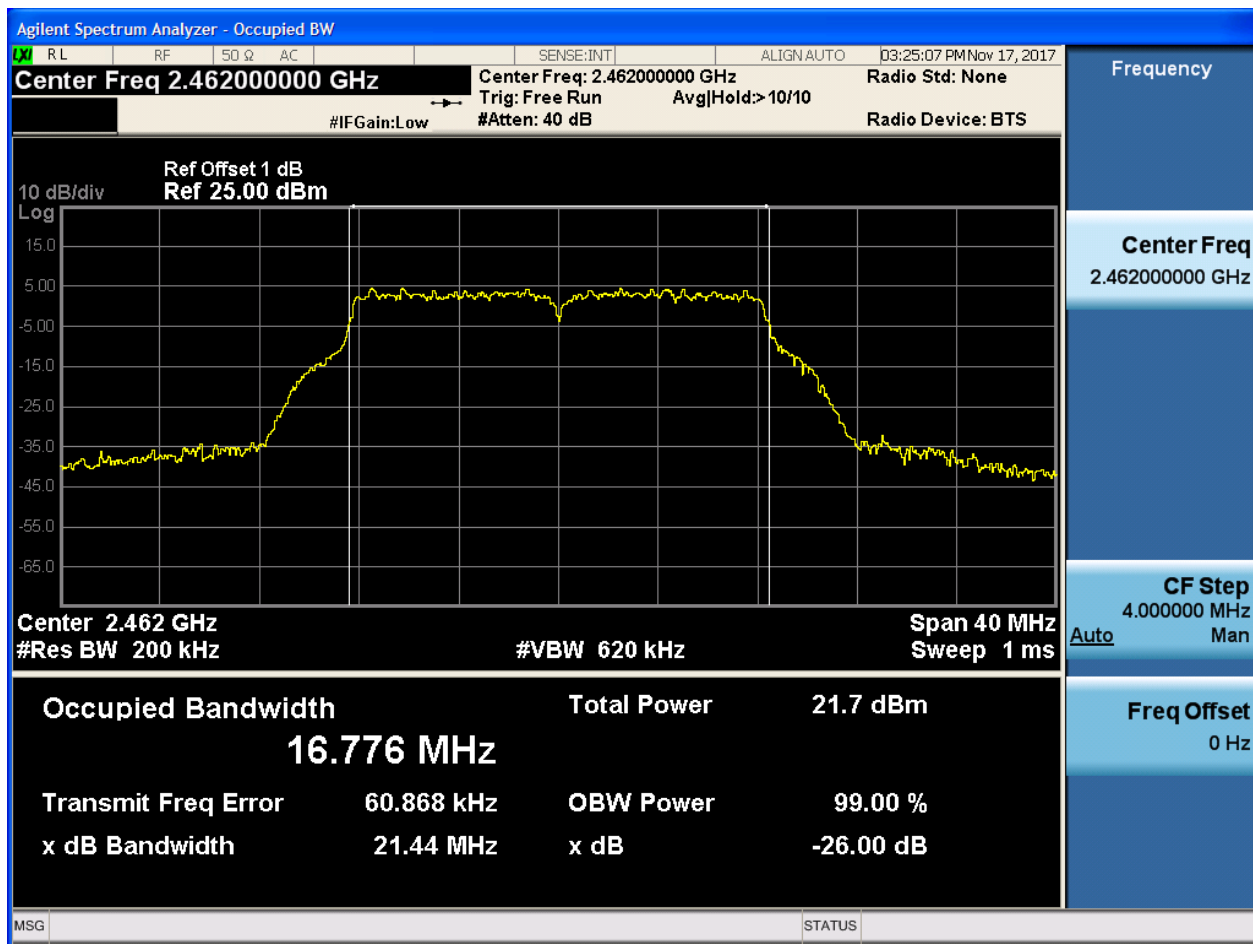


2.11 11G_H@Ant 1



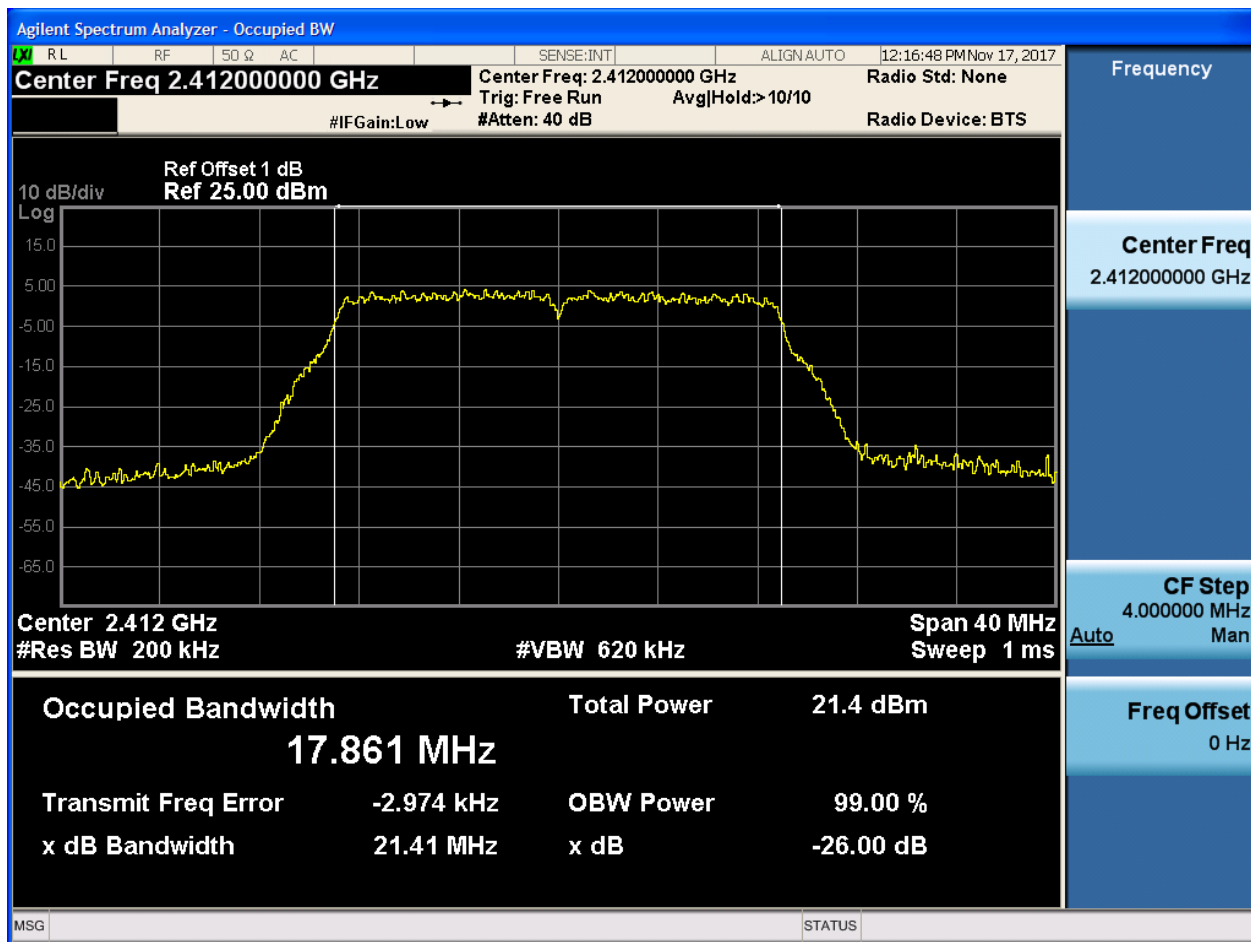


2.12 11G_H@Ant 2



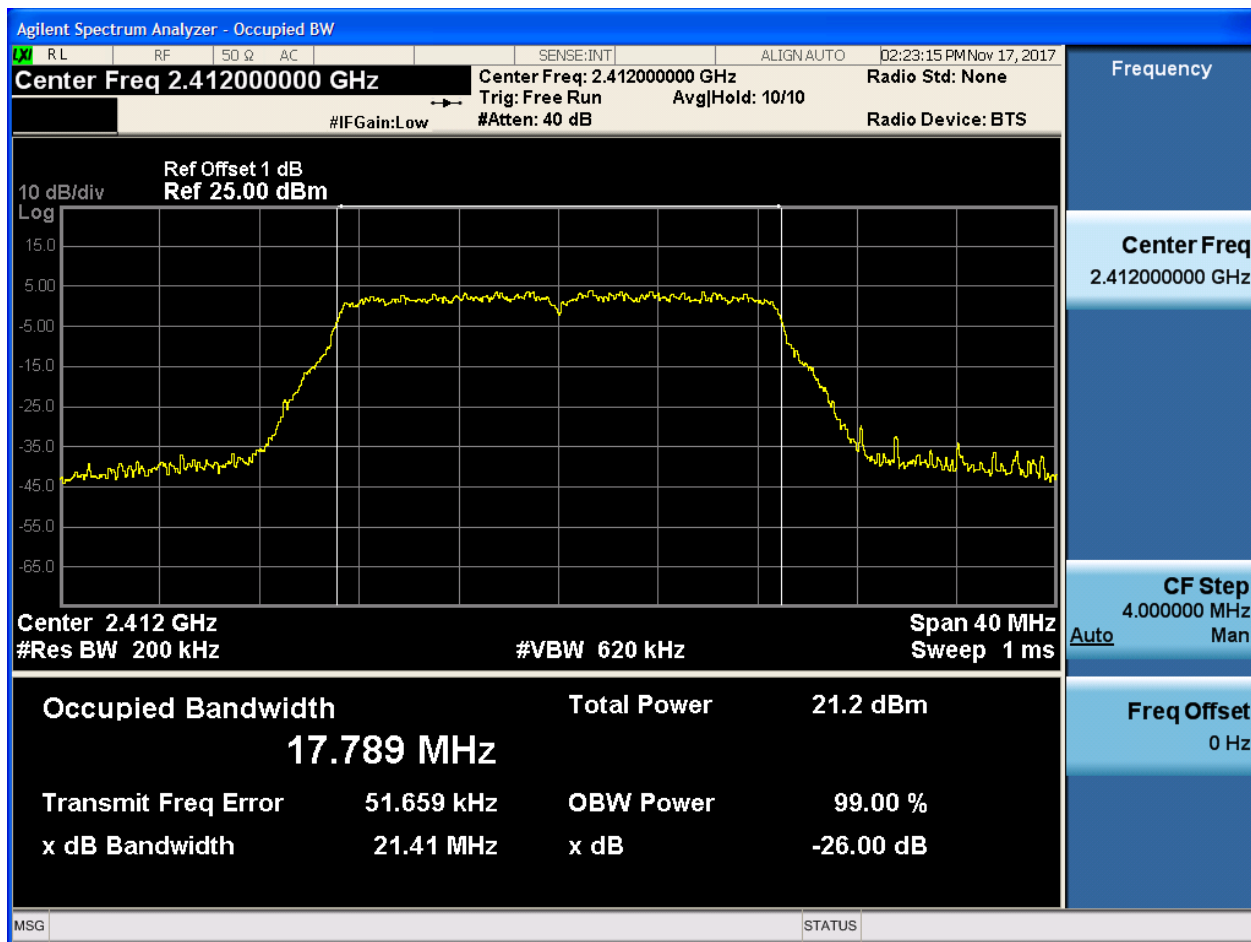


2.13 11N20_L@Ant 1



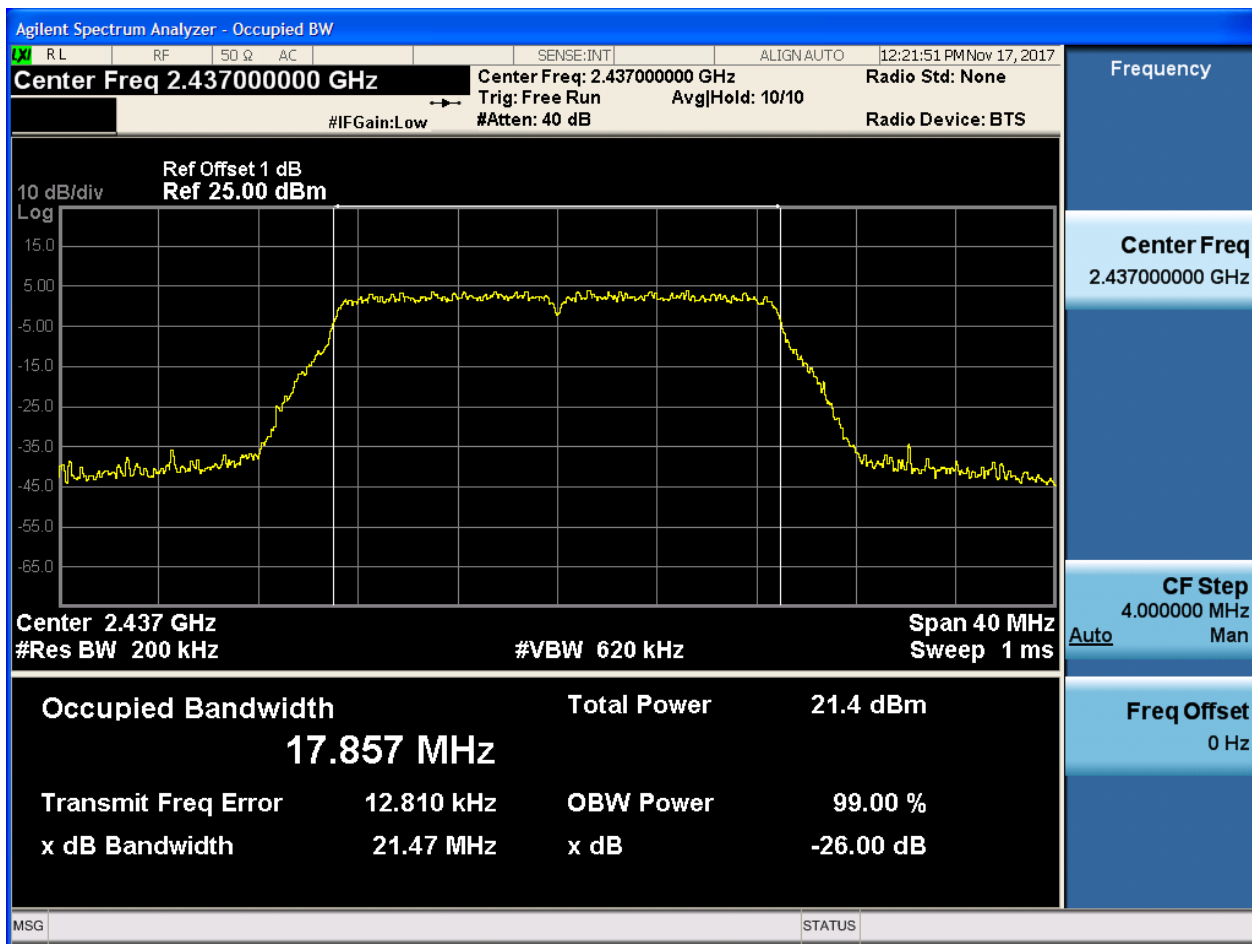


2.14 11N20_L@Ant 2



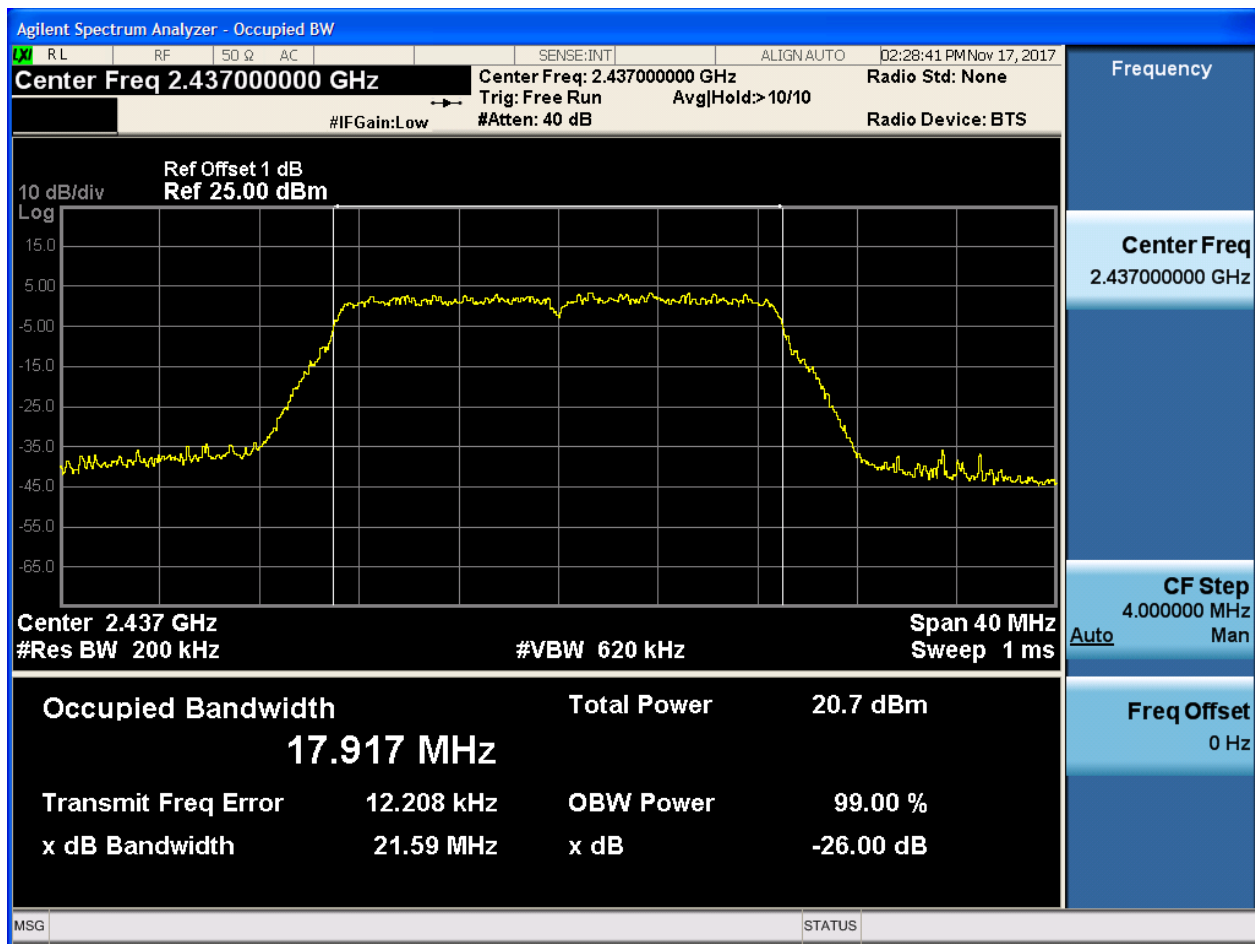


2.15 11N20_M@Ant 1



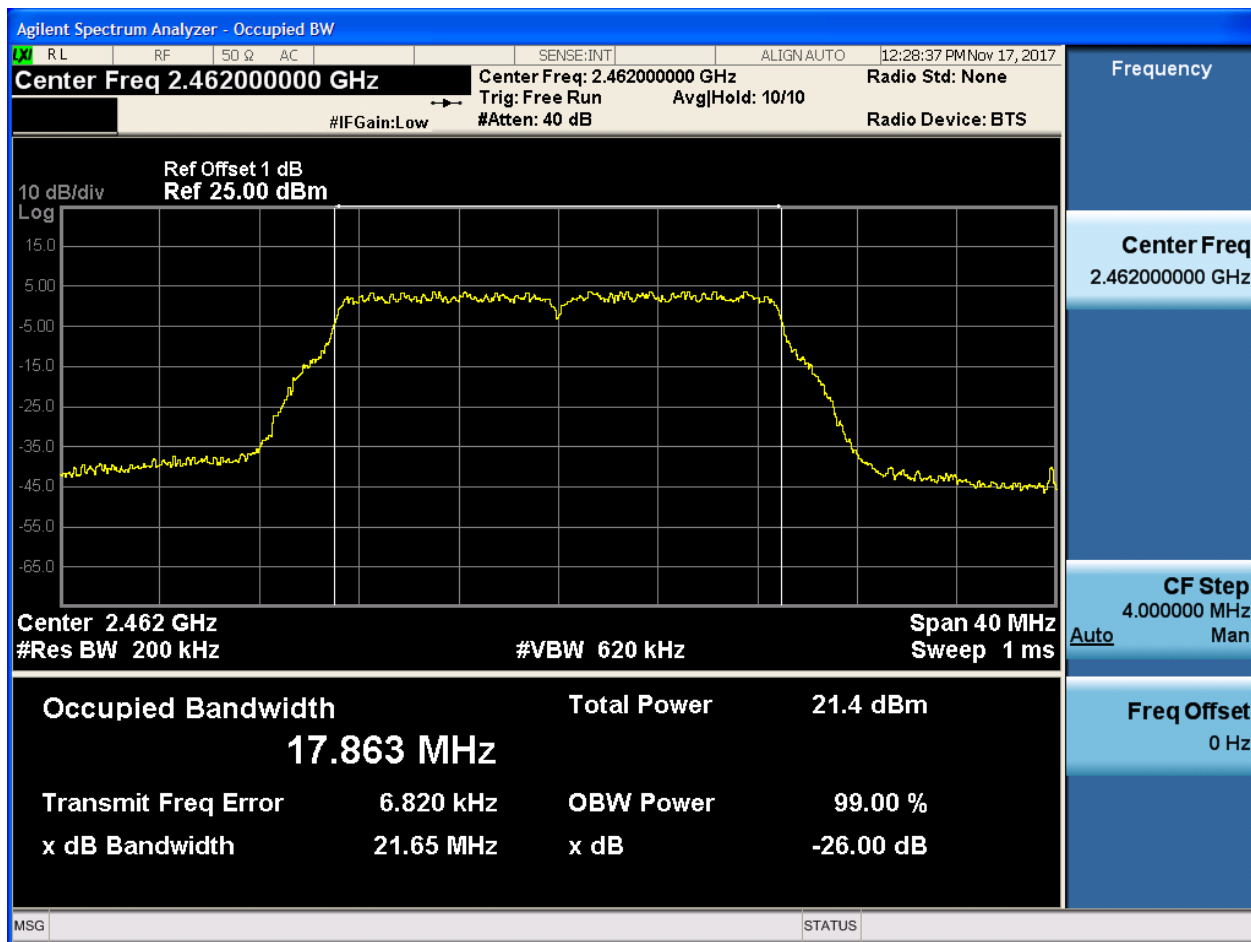


2.16 11N20_M@Ant 2



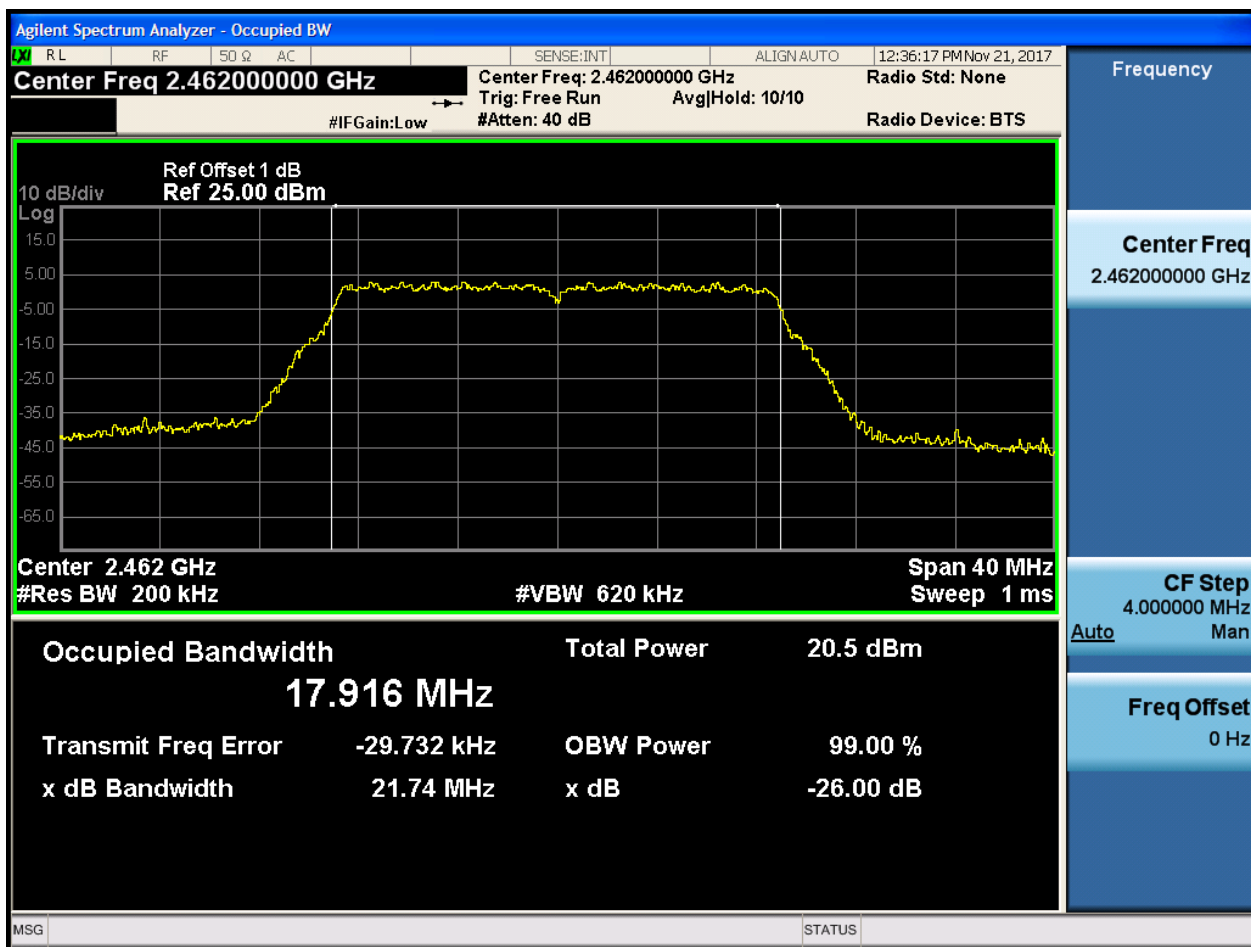


2.17 11N20_H@Ant 1



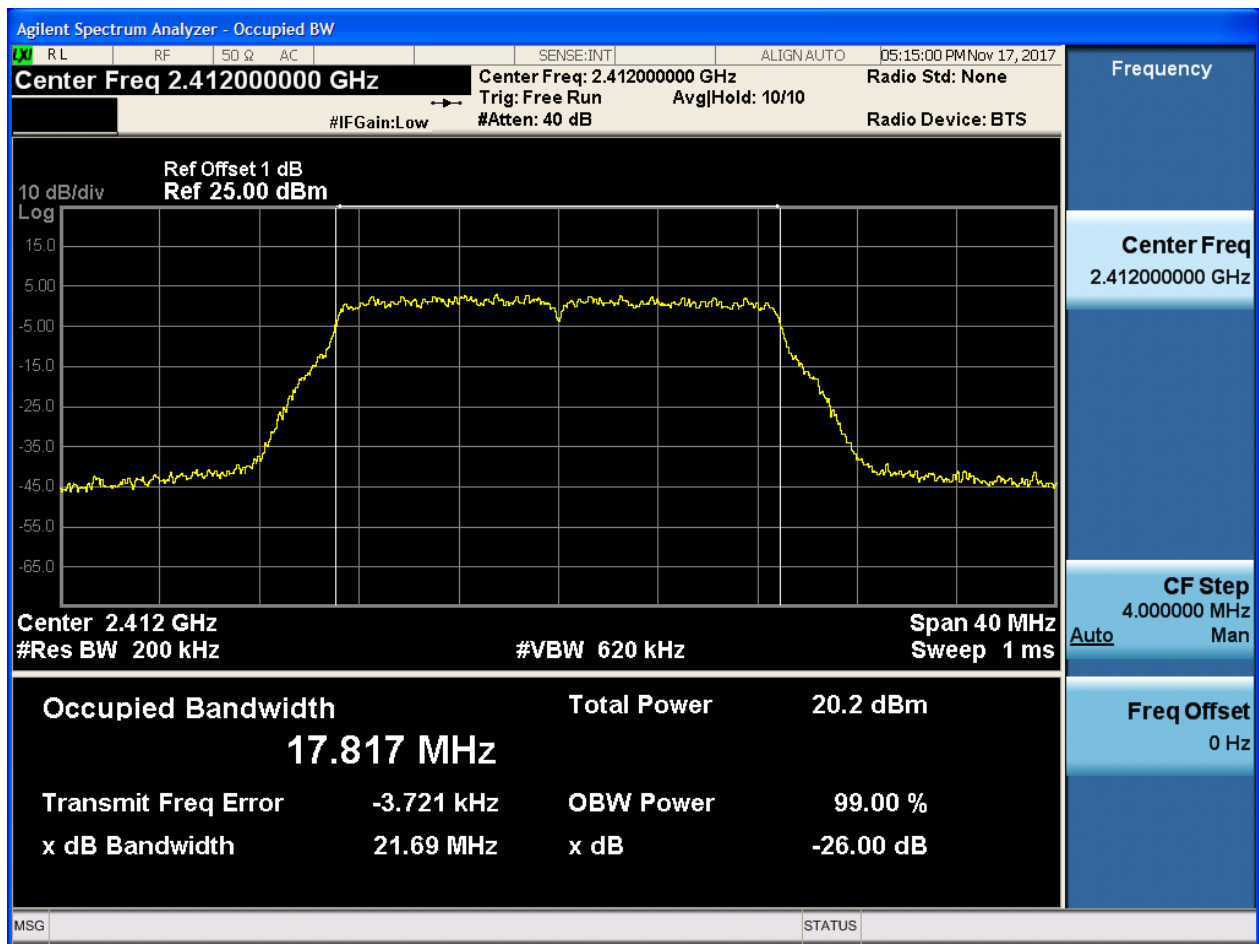


2.18 11N20_H@Ant 2



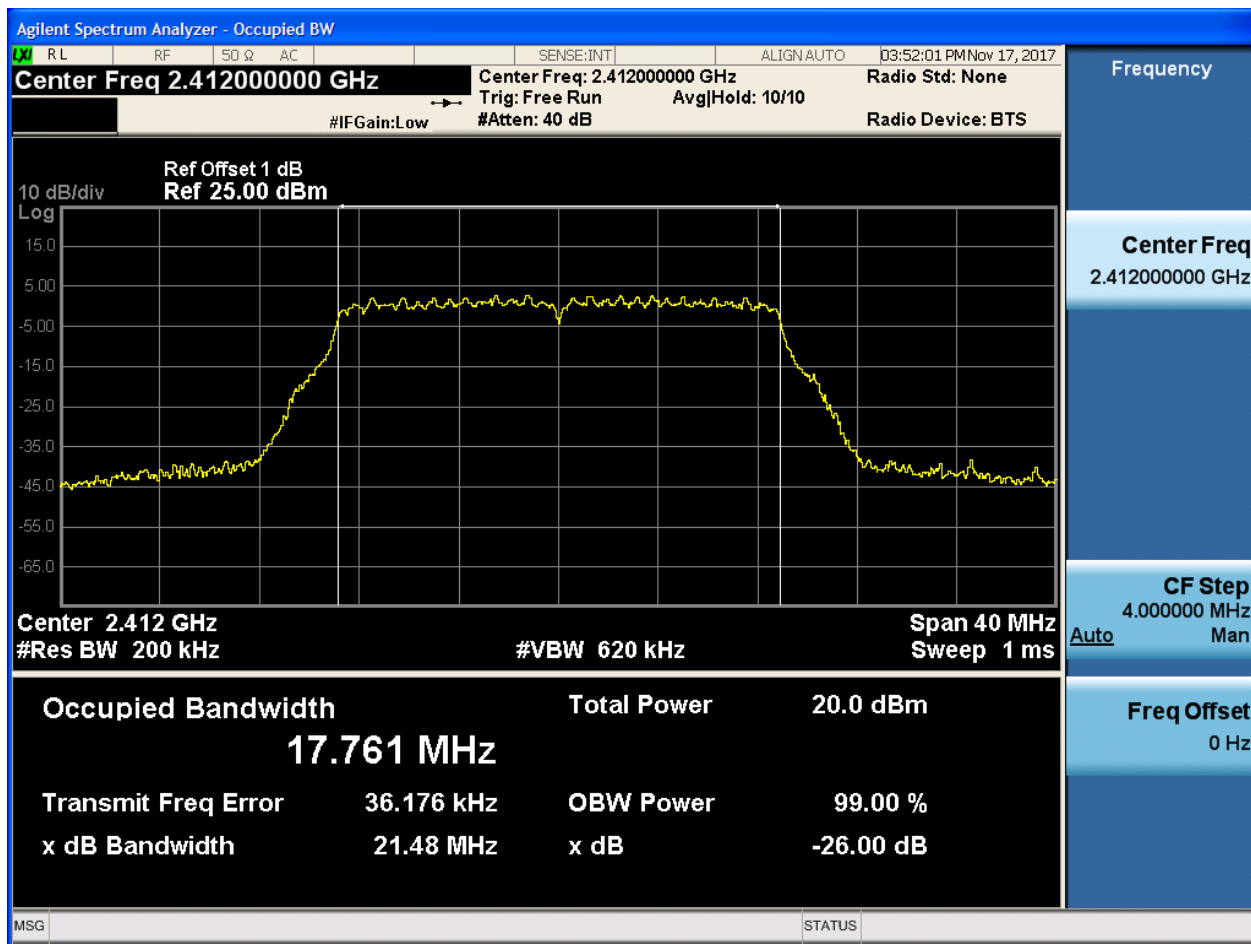


2.19 11N20m_L@Ant 1



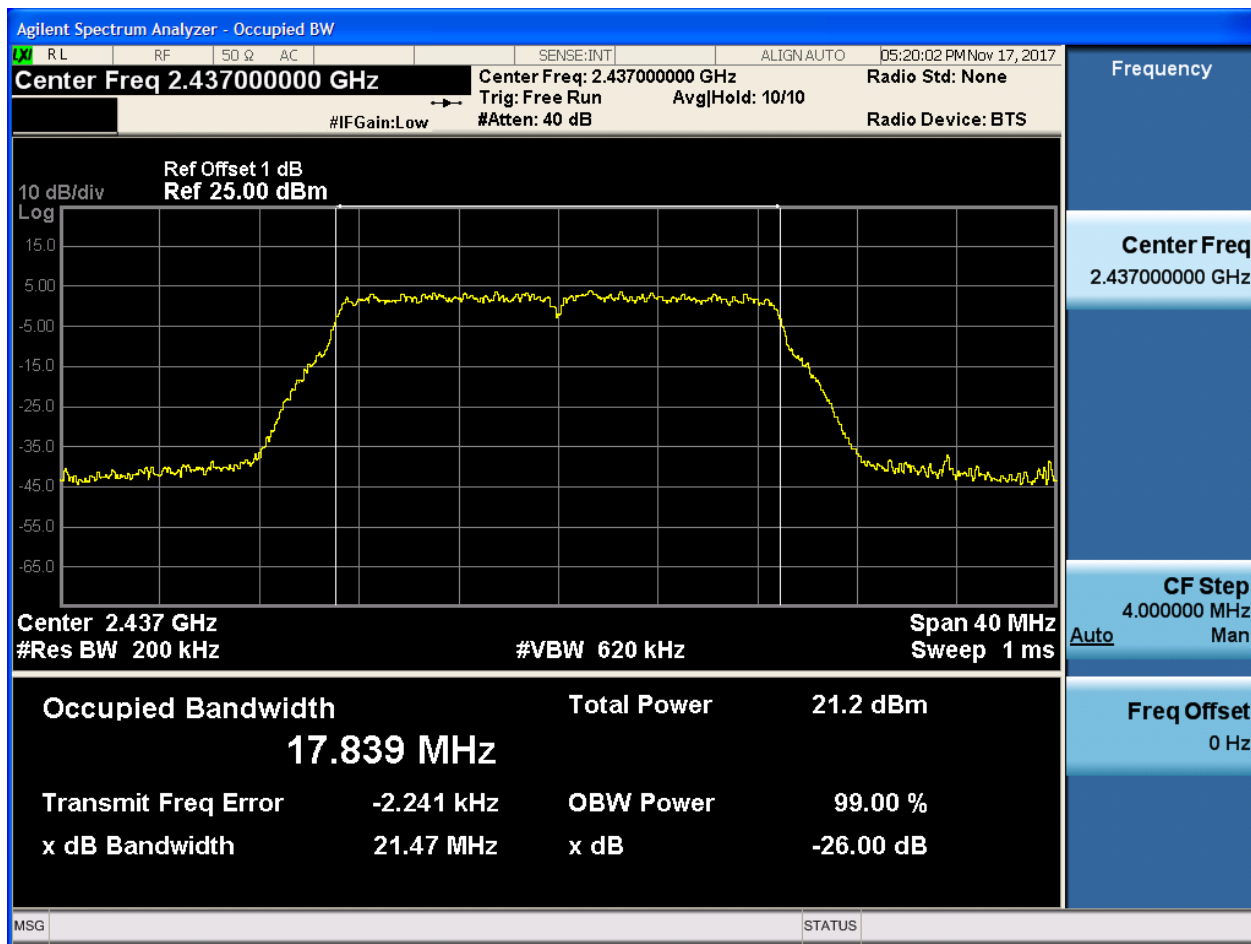


2.20 11N20m_L@Ant 2



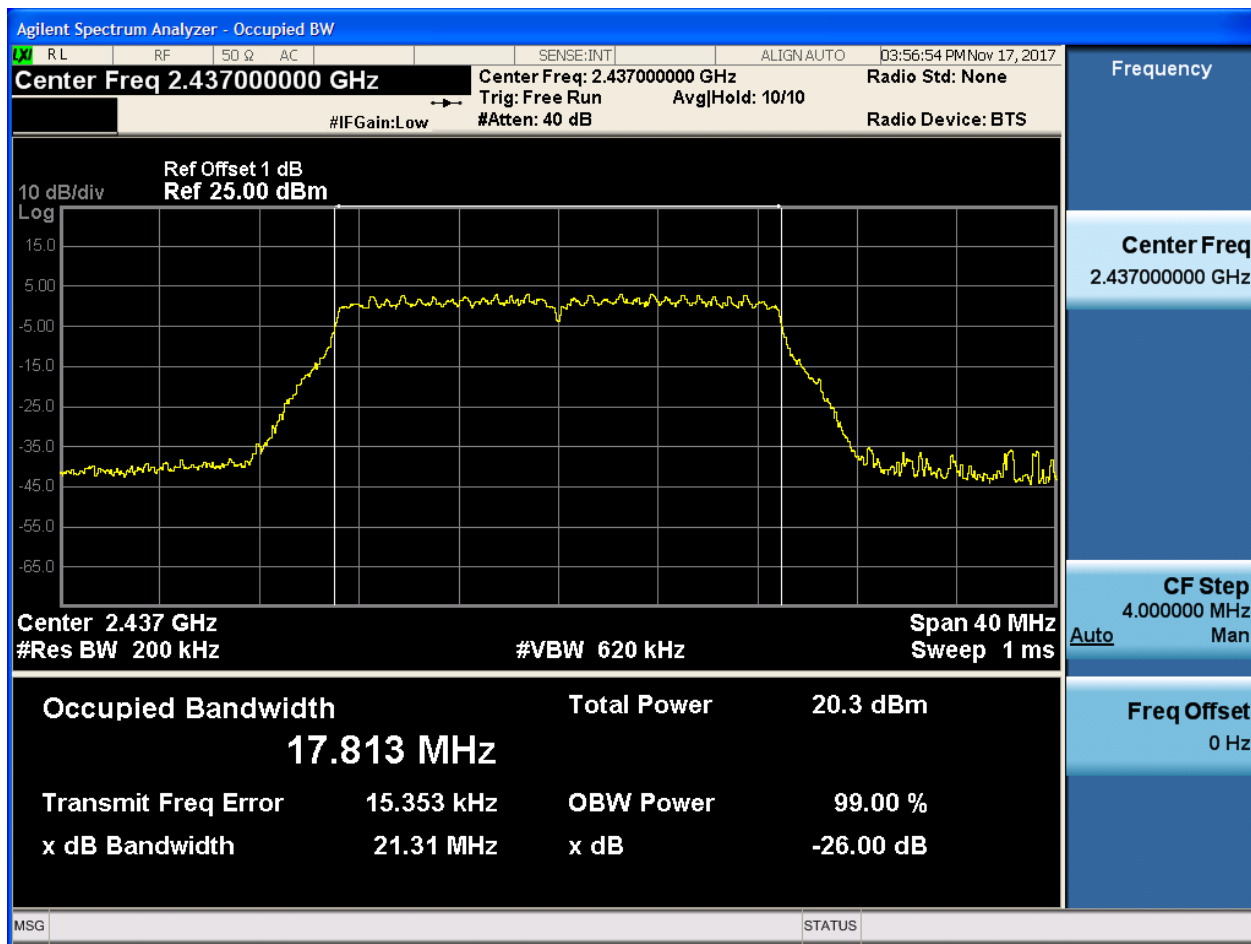


2.21 11N20m_M@Ant 1



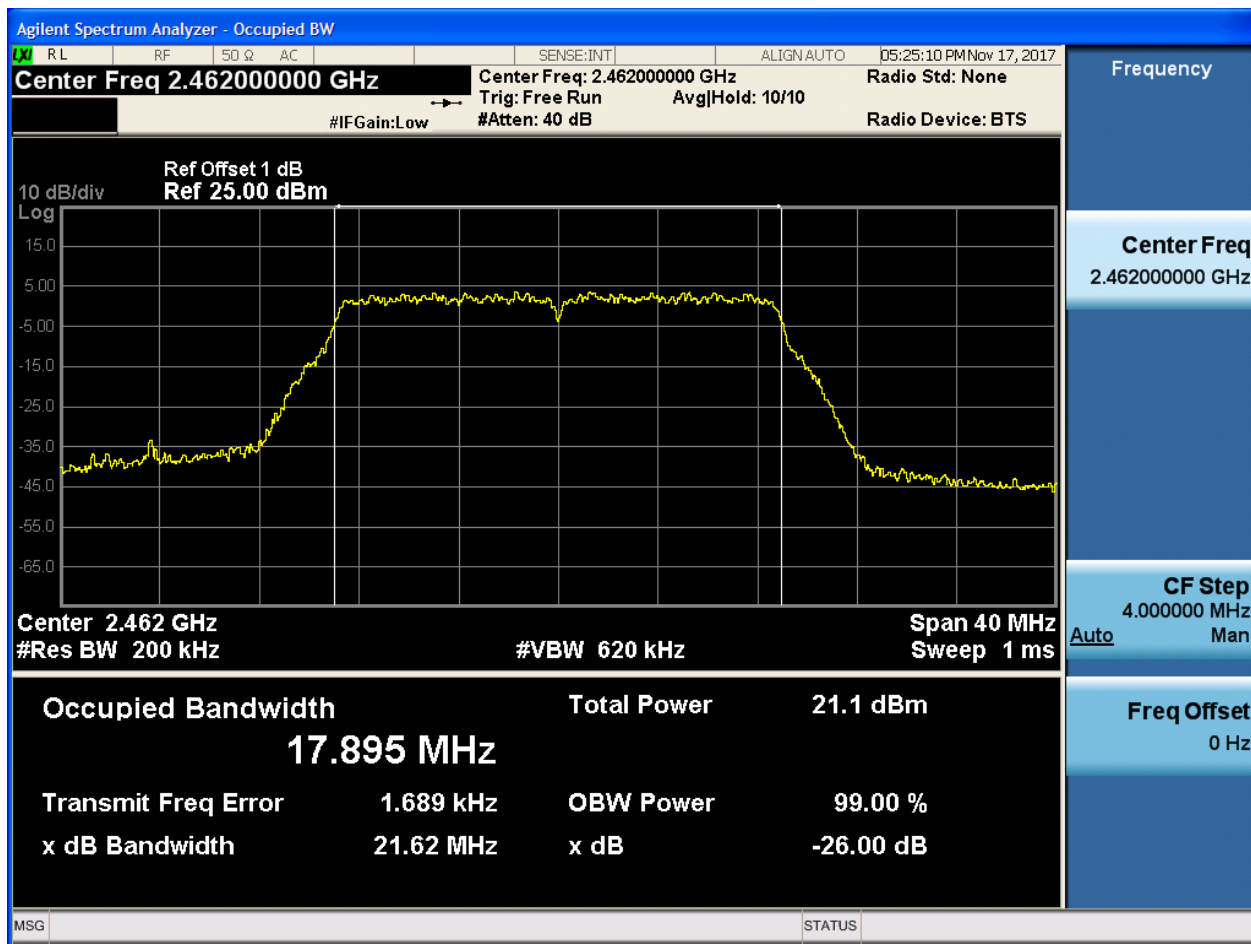


2.22 11N20m_M@Ant 2



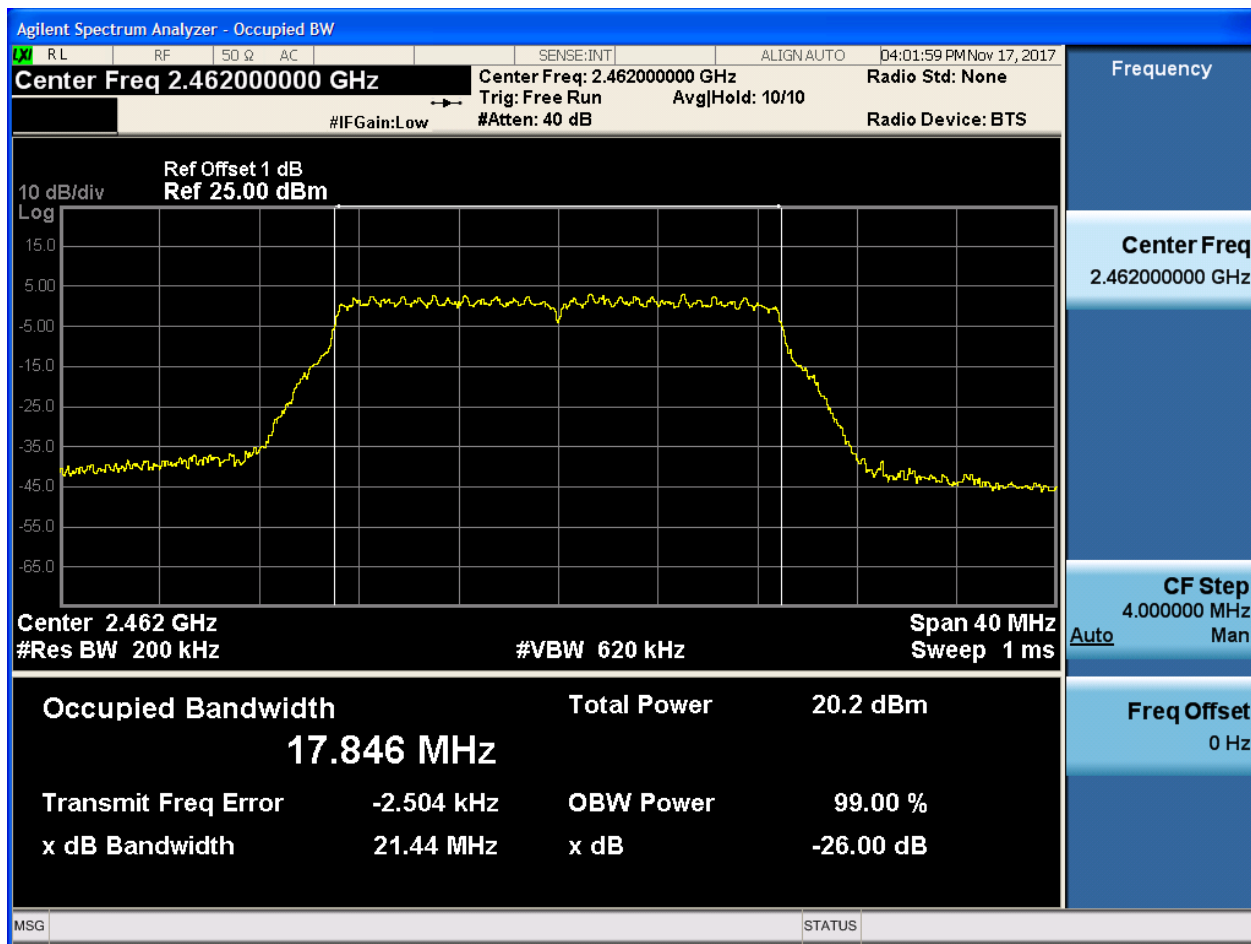


2.23 11N20m_H@Ant 1



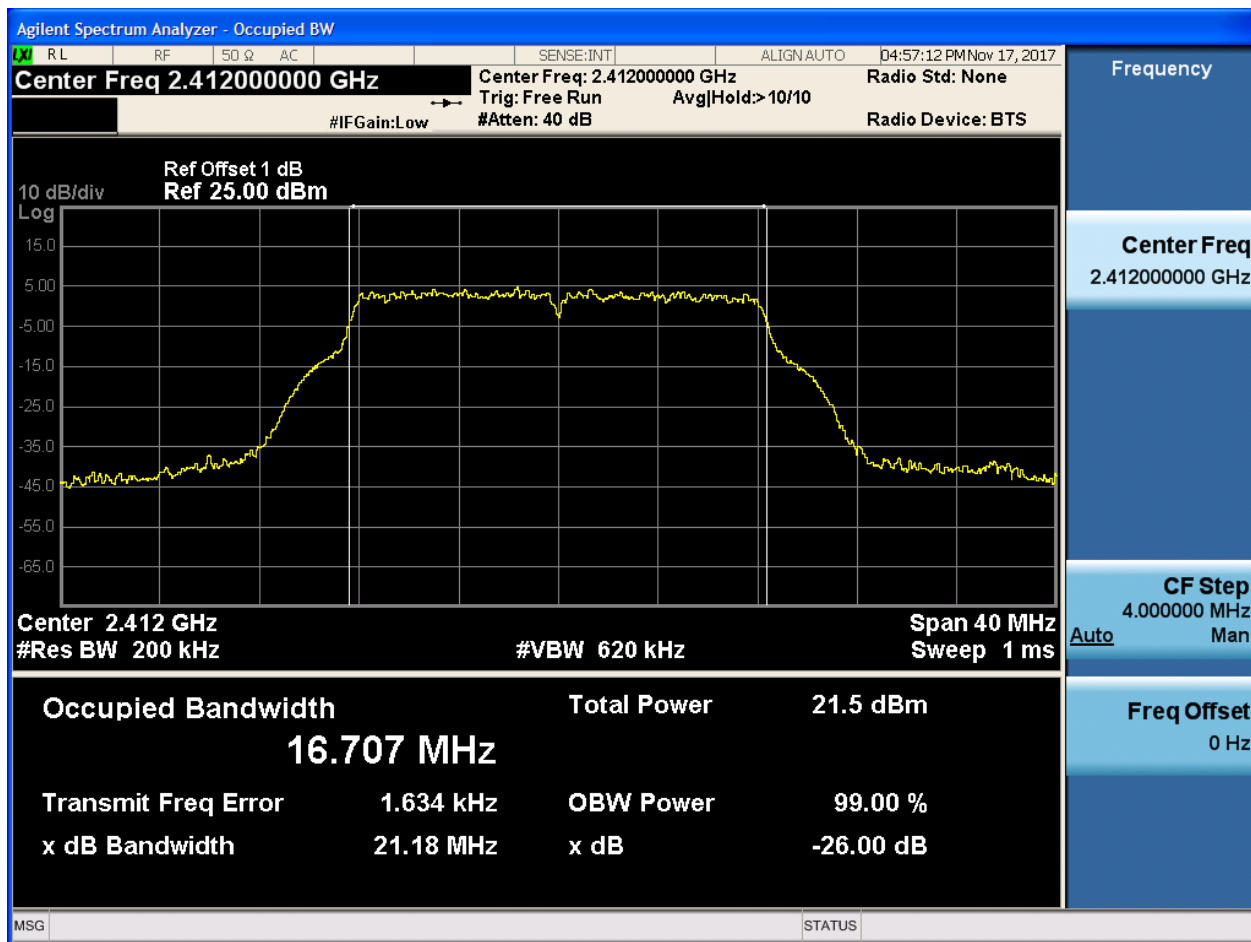


2.24 11N20m_H@Ant 2



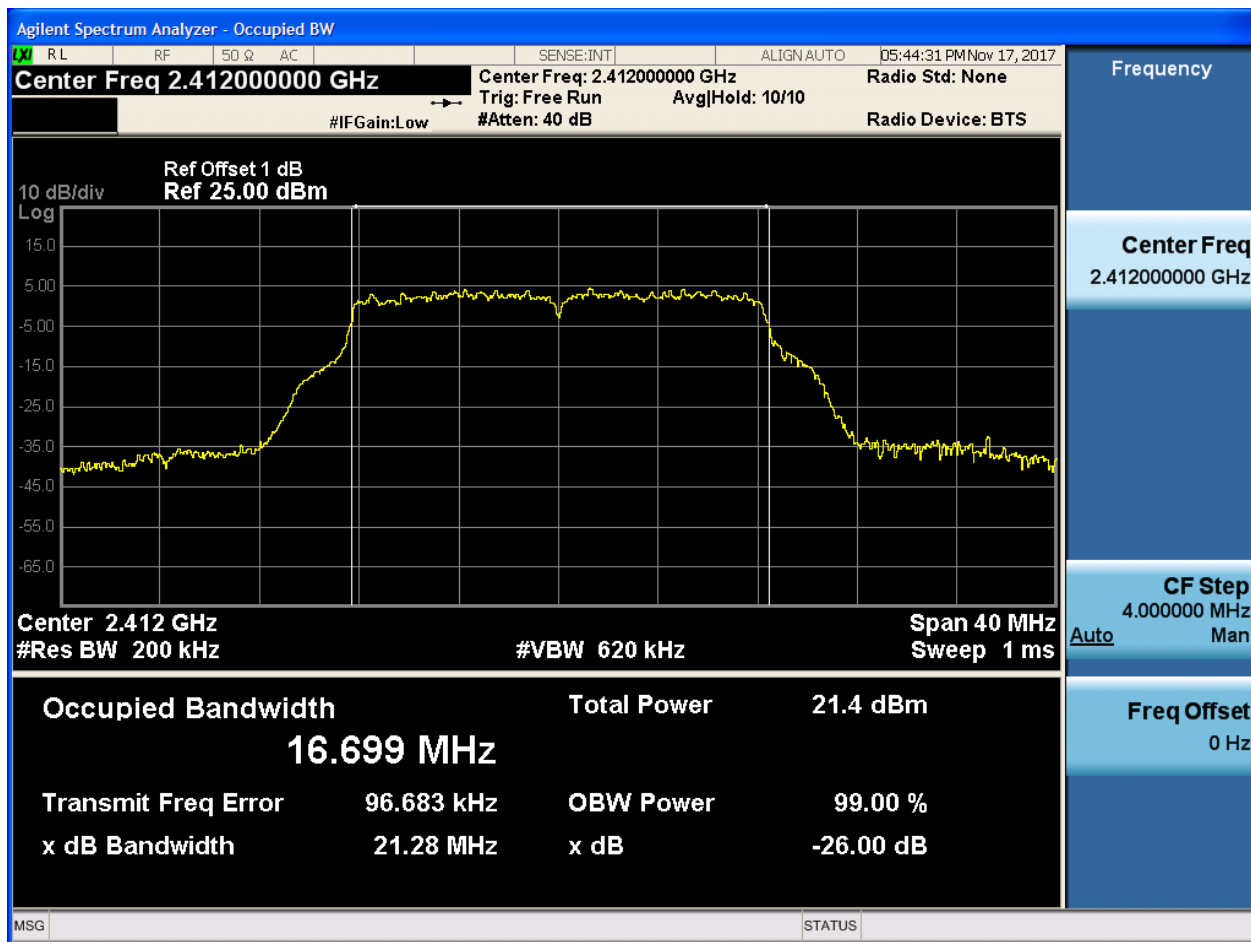


2.25 11G CDD_L@Ant 1



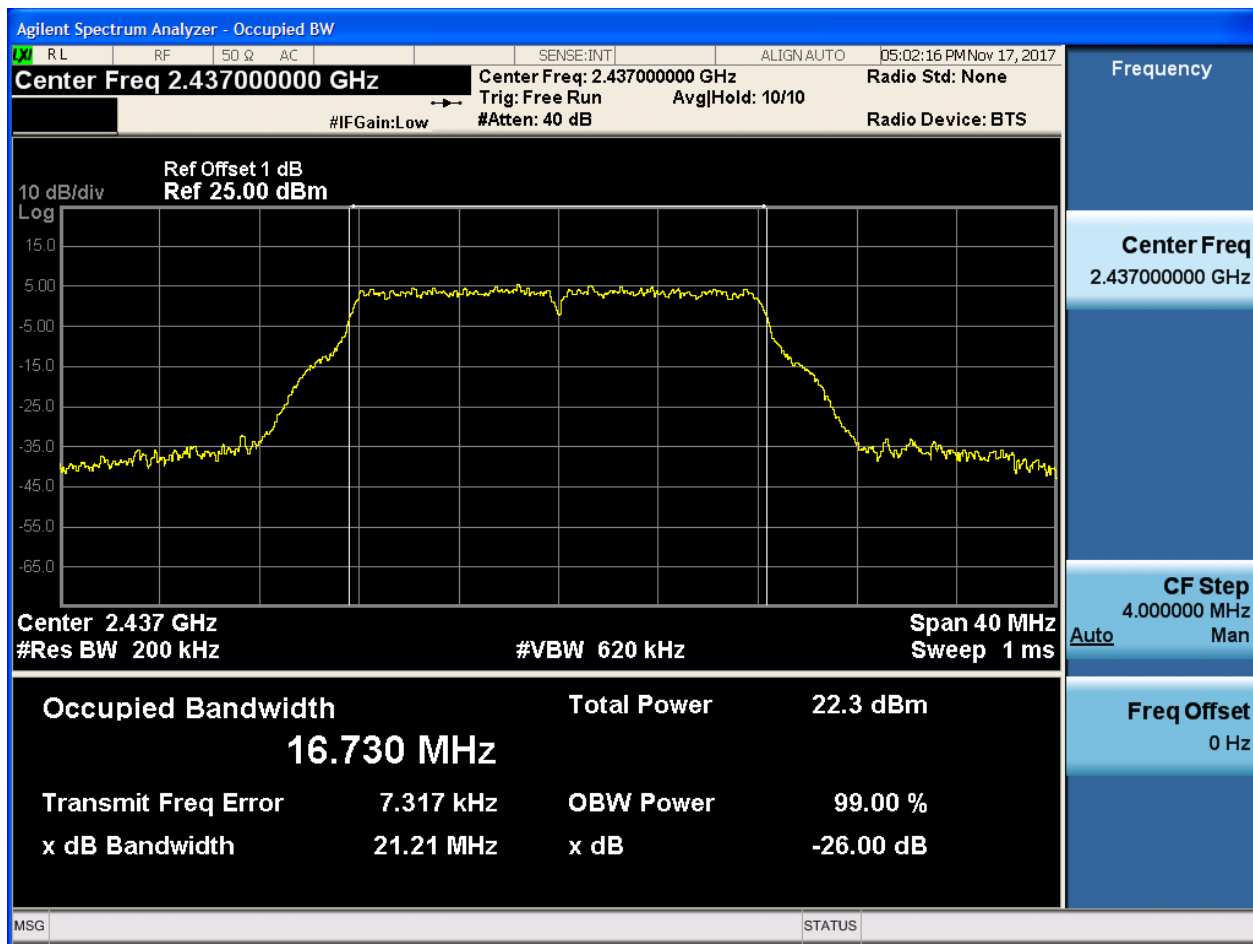


2.26 11G CDD__L@Ant 2



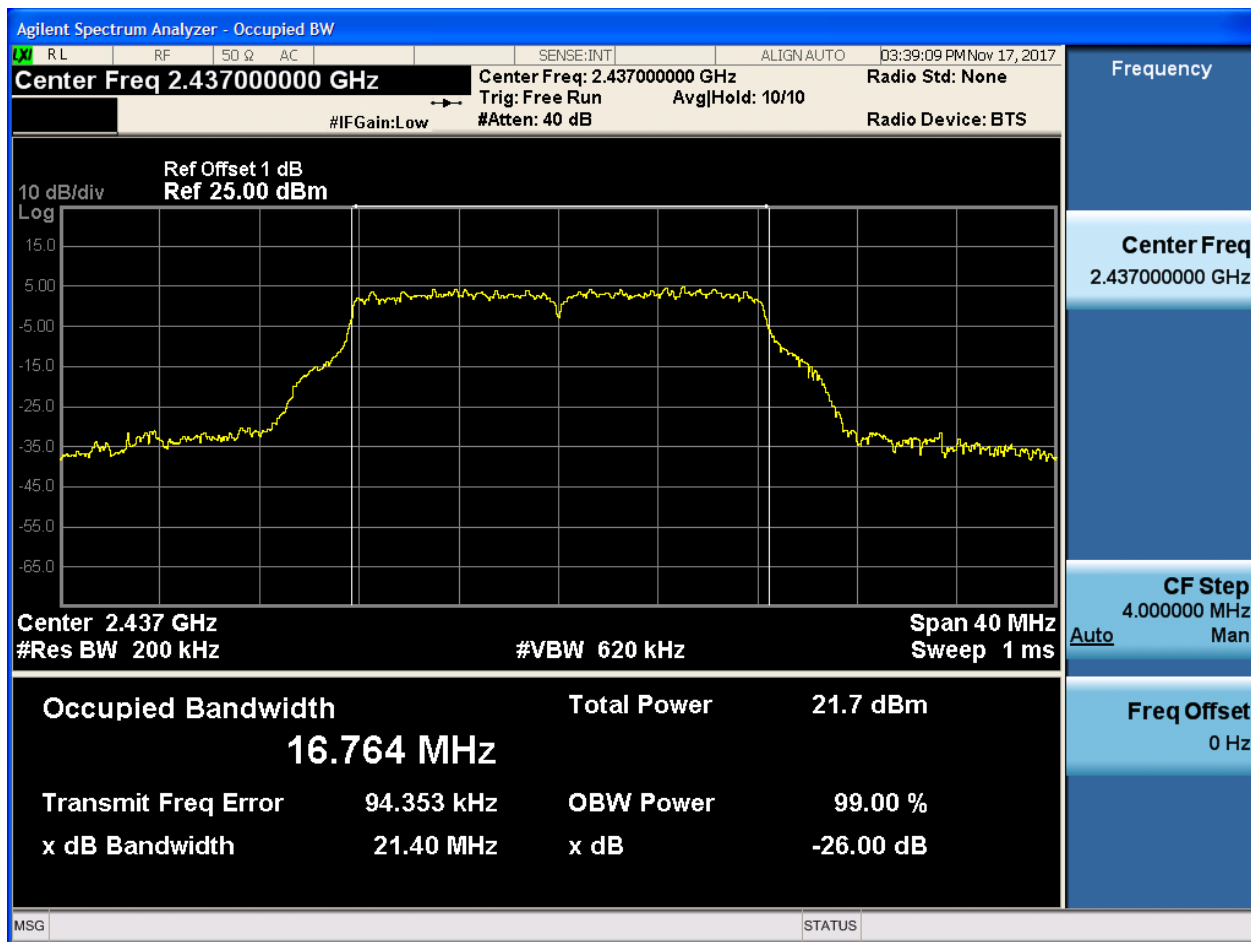


2.27 11G CDD__M@Ant 1



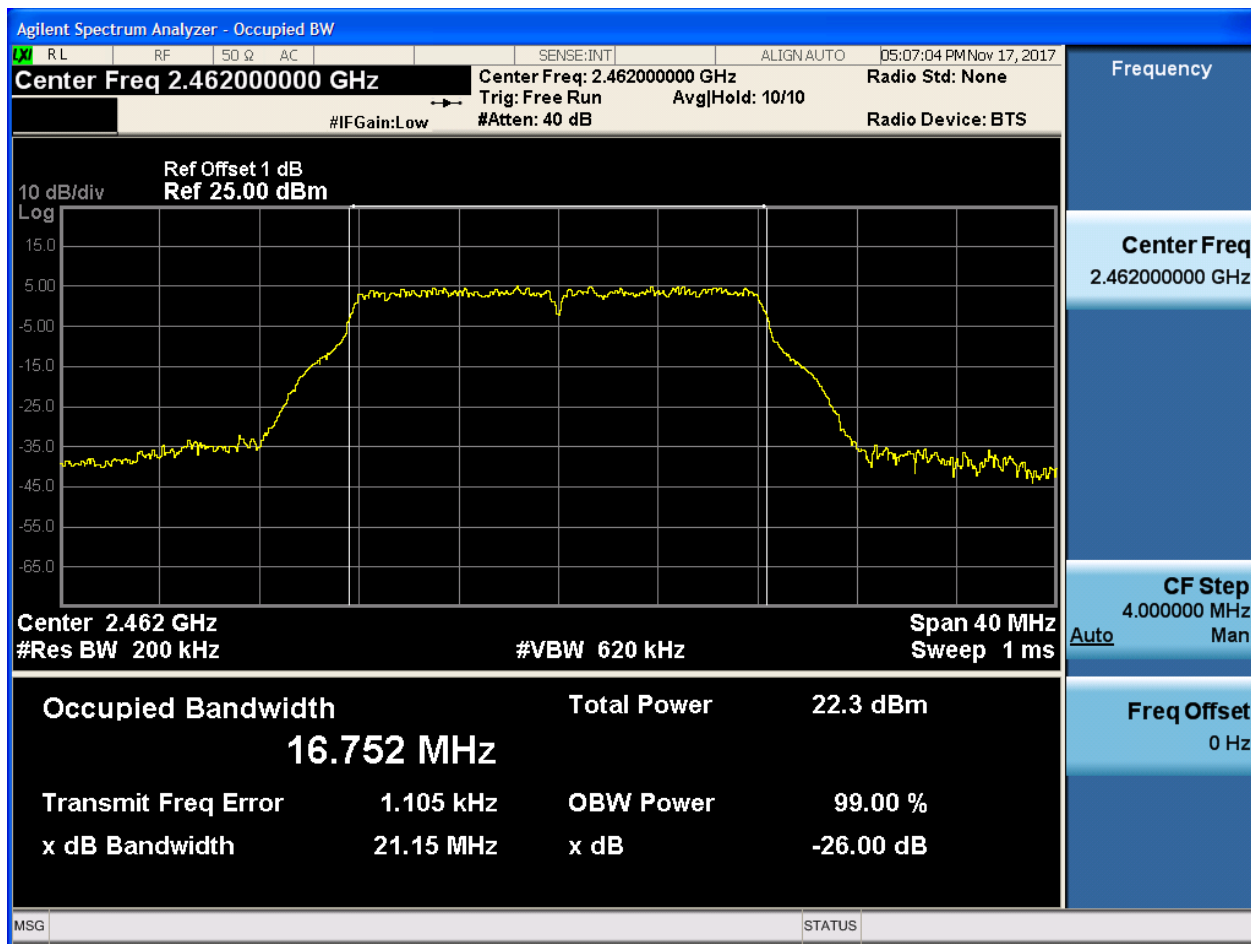


2.28 11G CDD__M@Ant 2



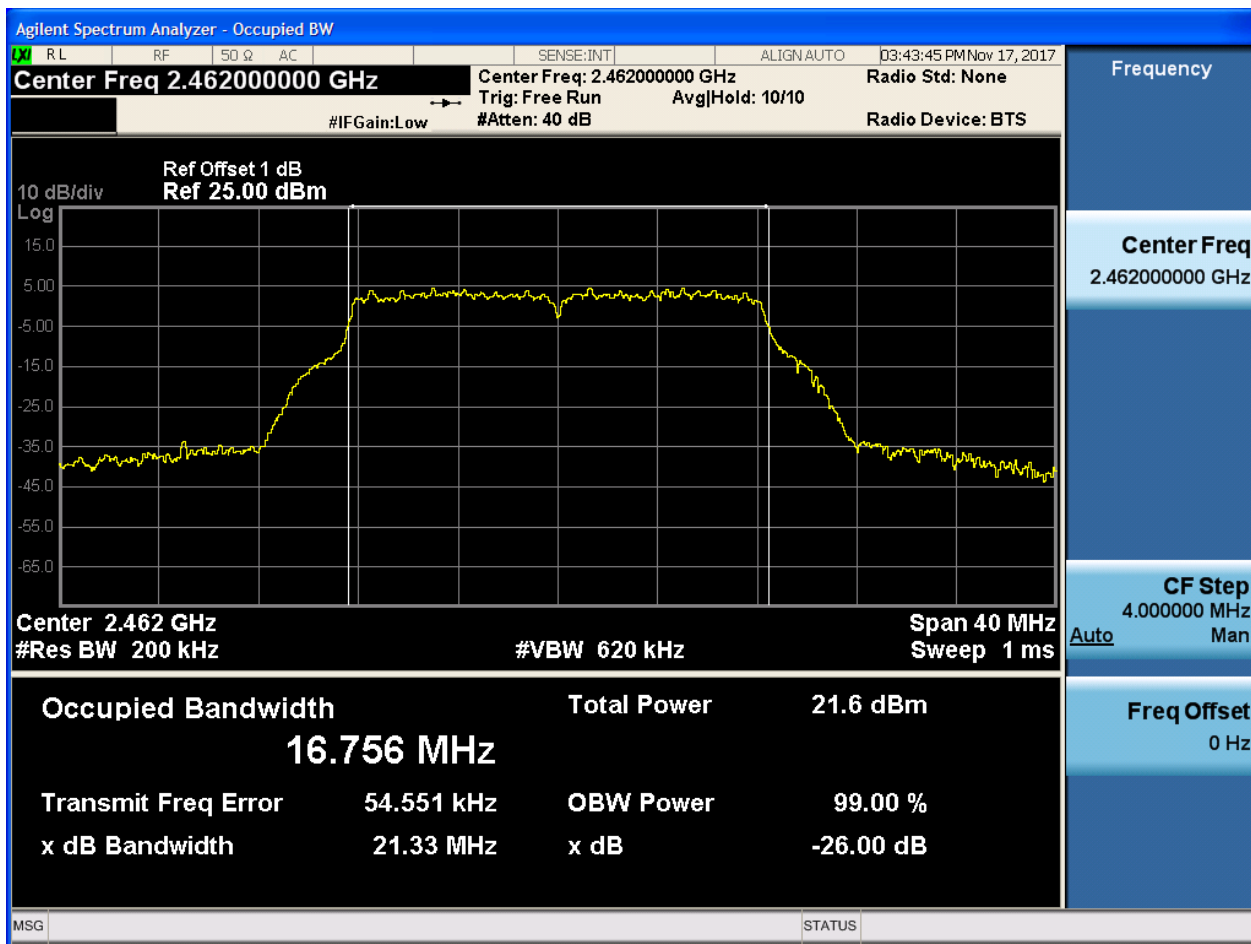


2.29 11G CDD__H@Ant 1





2.30 11G CDD__H@Ant 2



Appendix C: Duty Cycle

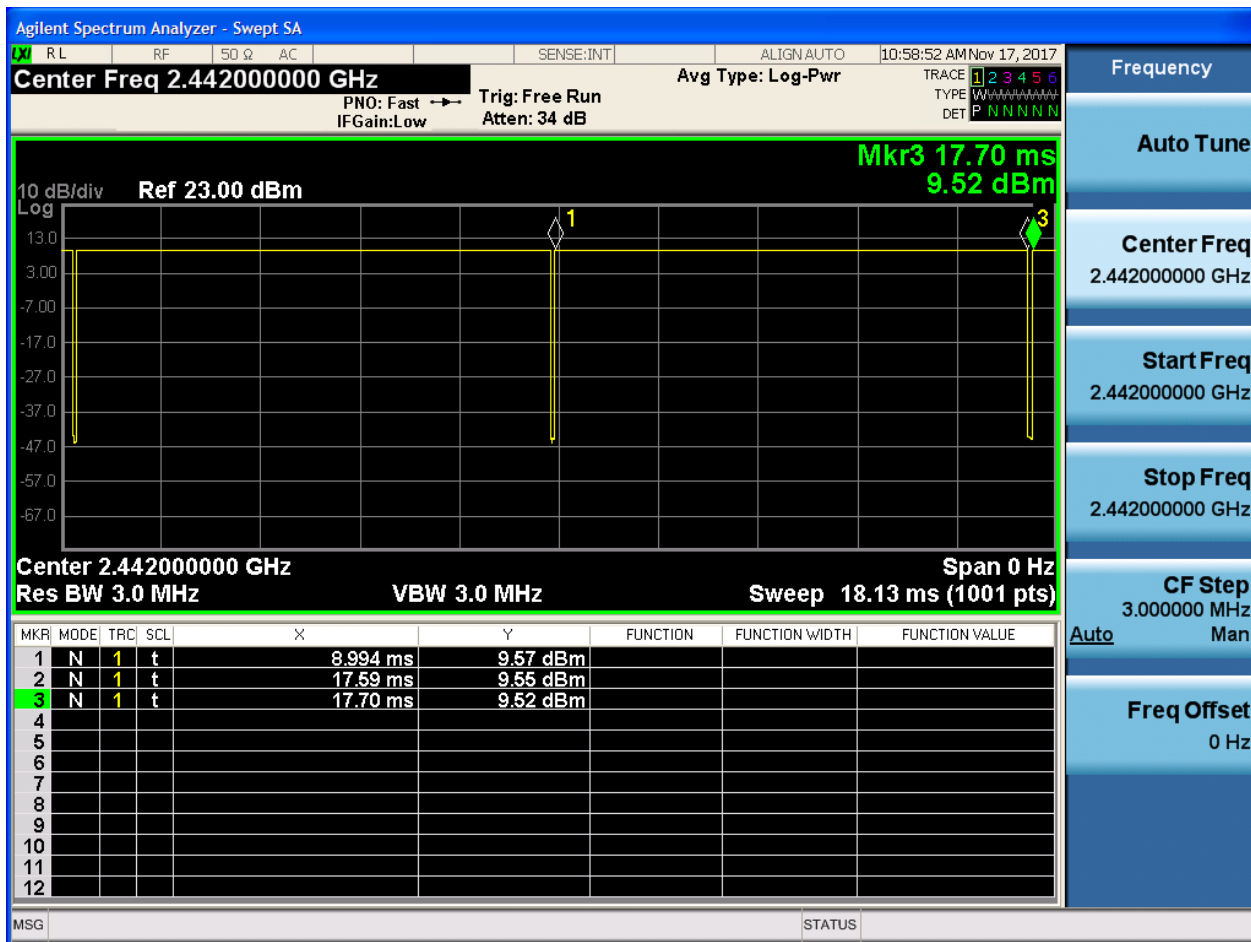
Part I - Test Results

Test Mode	TX Freq. [MHz]	Ant	Duty cycle [%]
11B	CH1,CH6,CH11	Ant 1	99.00
11B	CH1,CH6,CH11	Ant 2	99.00
11G	CH1,CH6,CH11	Ant 1	93.00
11G	CH1,CH6,CH11	Ant 2	93.00
11N20SISO	CH1,CH6,CH11	Ant 1	93.00
11N20SISO	CH1,CH6,CH11	Ant 2	93.00
11N20MIMO	CH1,CH6,CH11	Ant 1	86.18
11N20MIMO	CH1,CH6,CH11	Ant 2	87.00
11G CDD	CH1,CH6,CH11	Ant 1	93.22
11G CDD	CH1,CH6,CH11	Ant 2	90.00



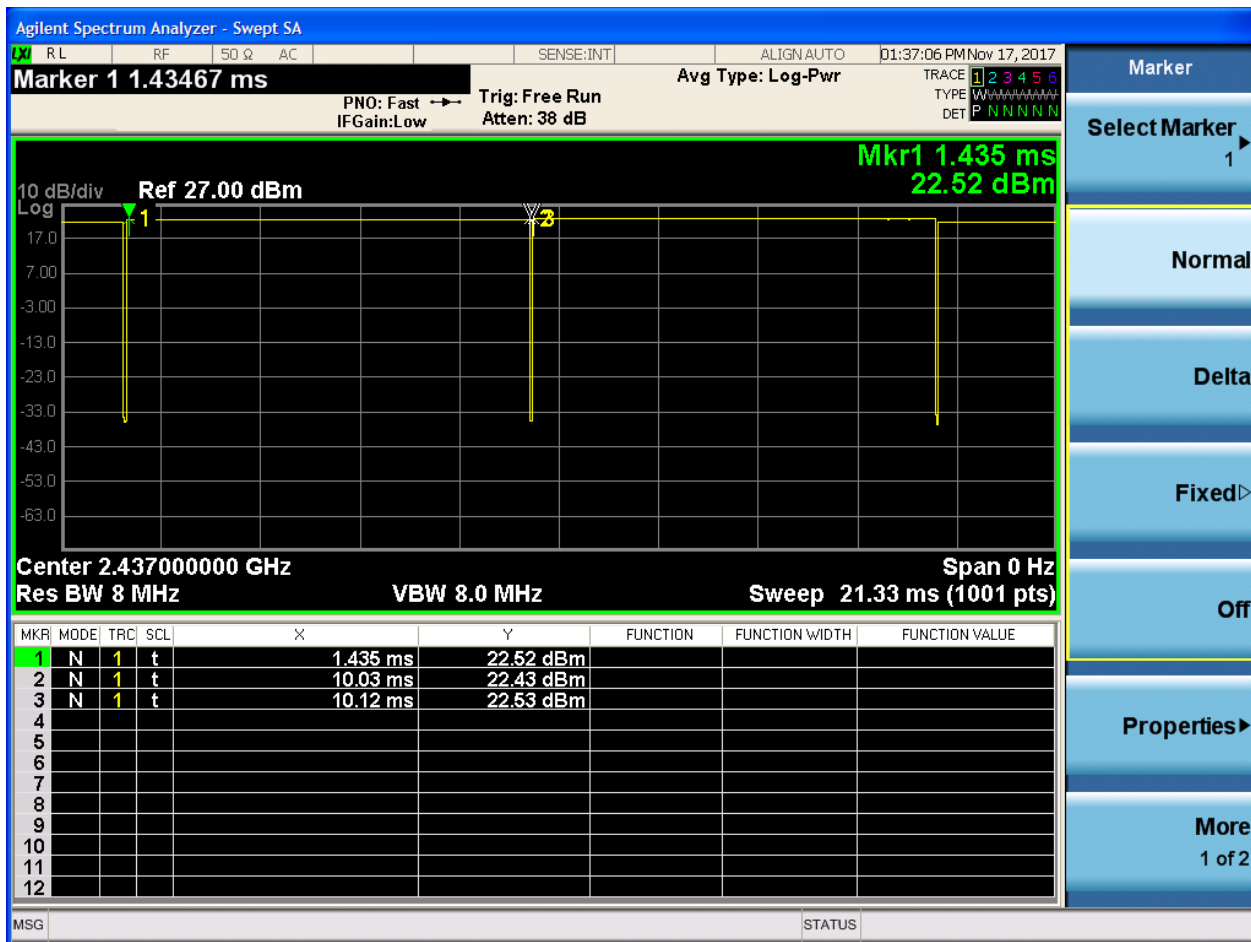
Part II - Test Plots

11B_ANT1



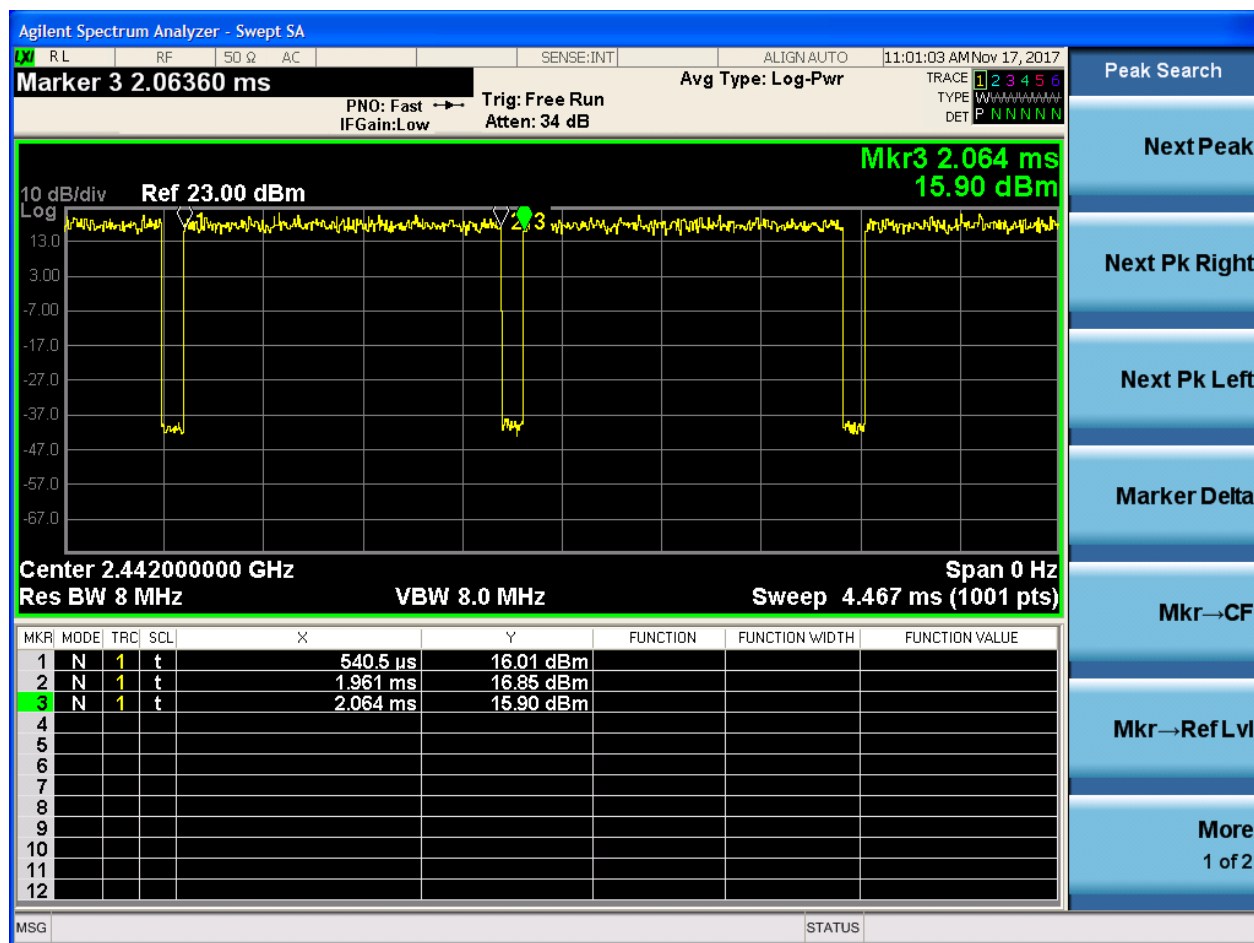


11B_ANT2



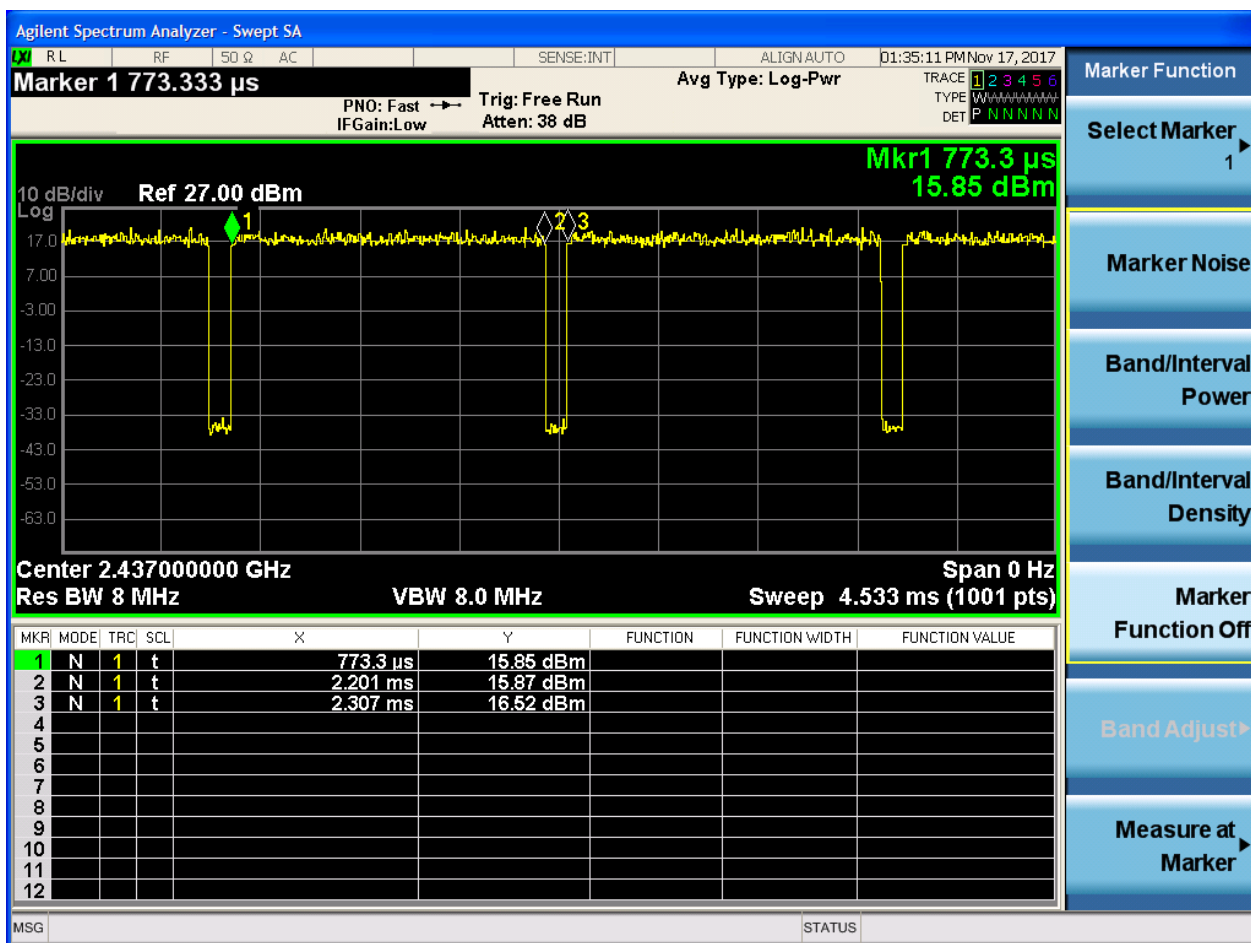


11G_ANT1



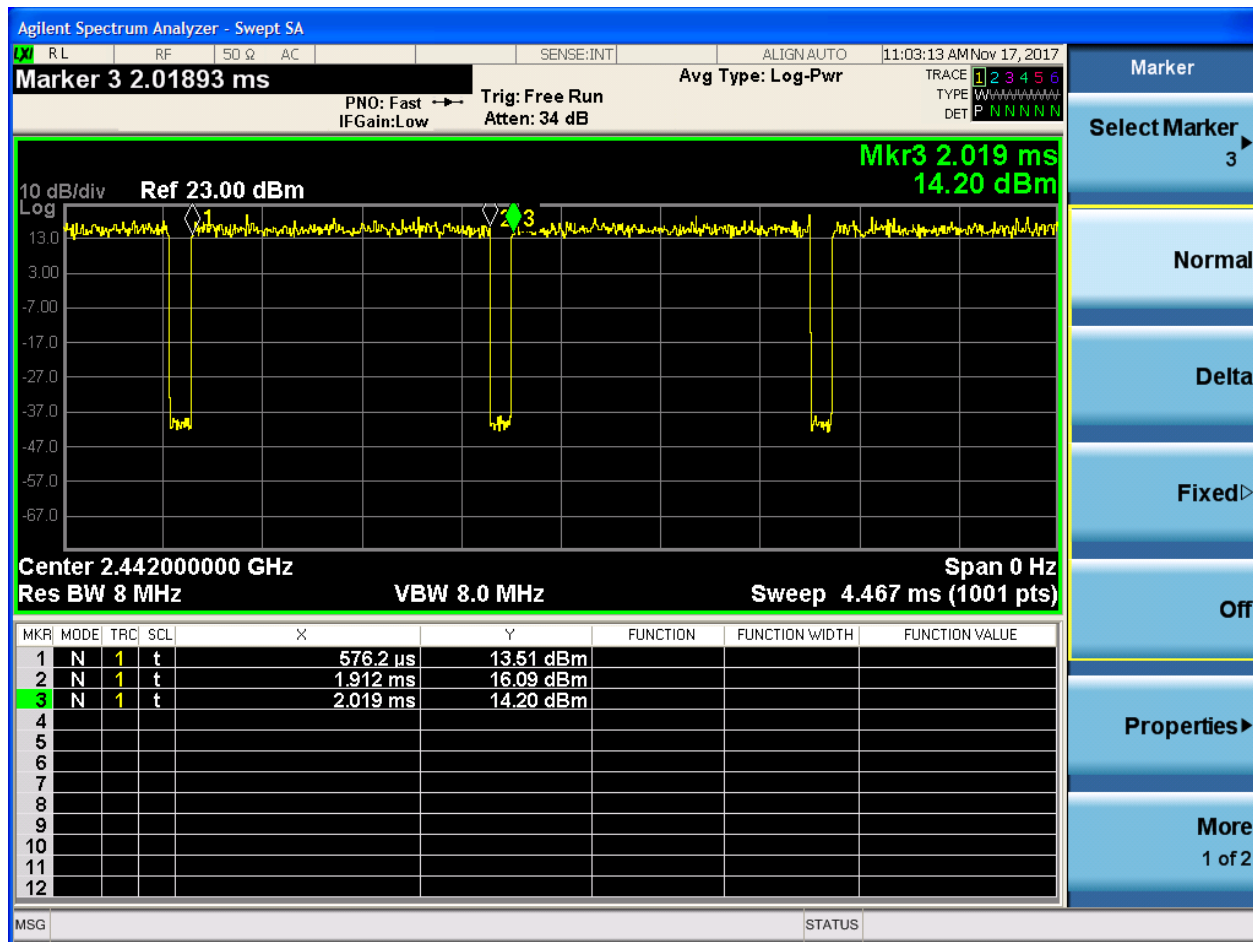


11G_ANT2



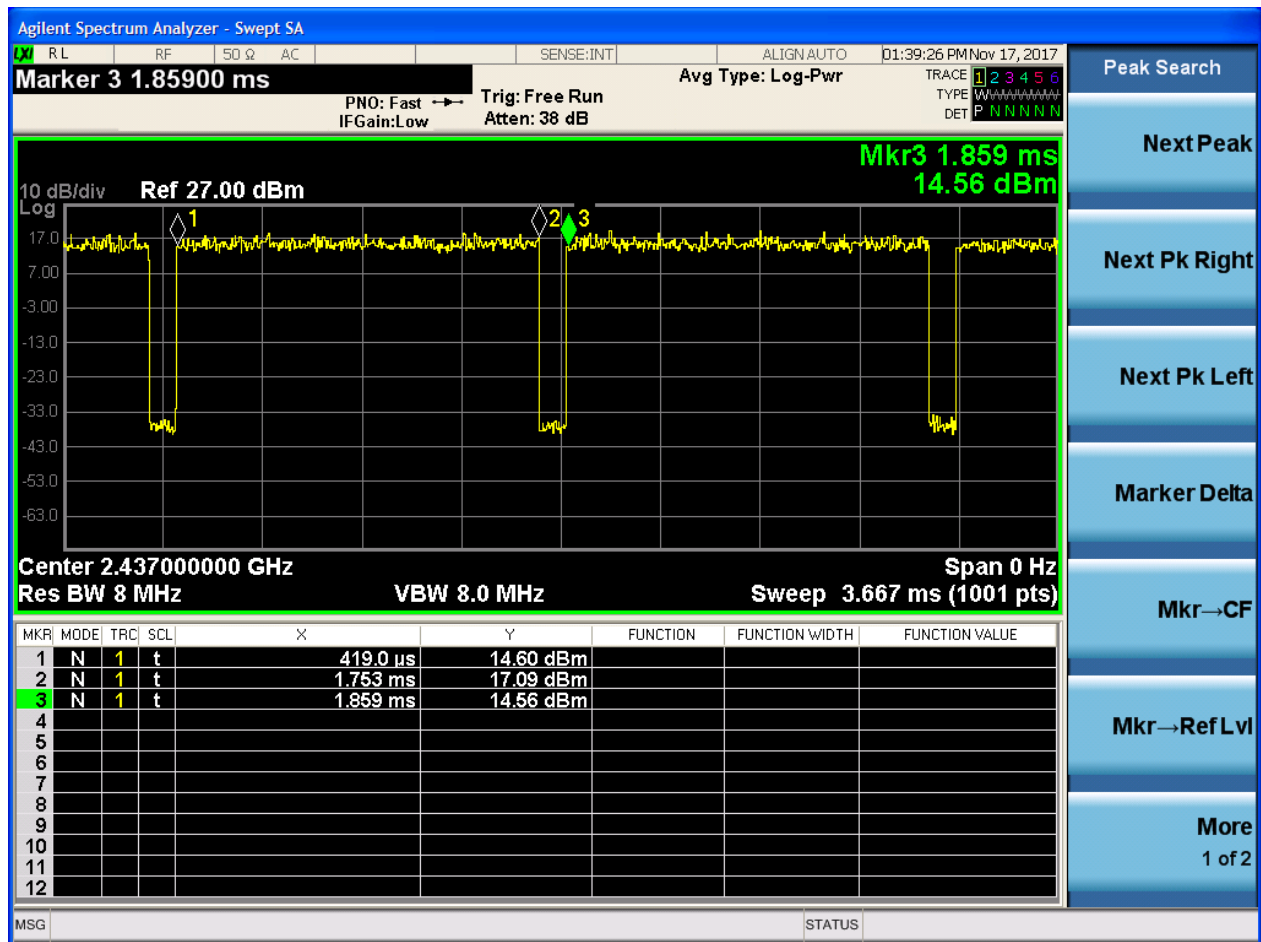


11N20SISO_ANT1



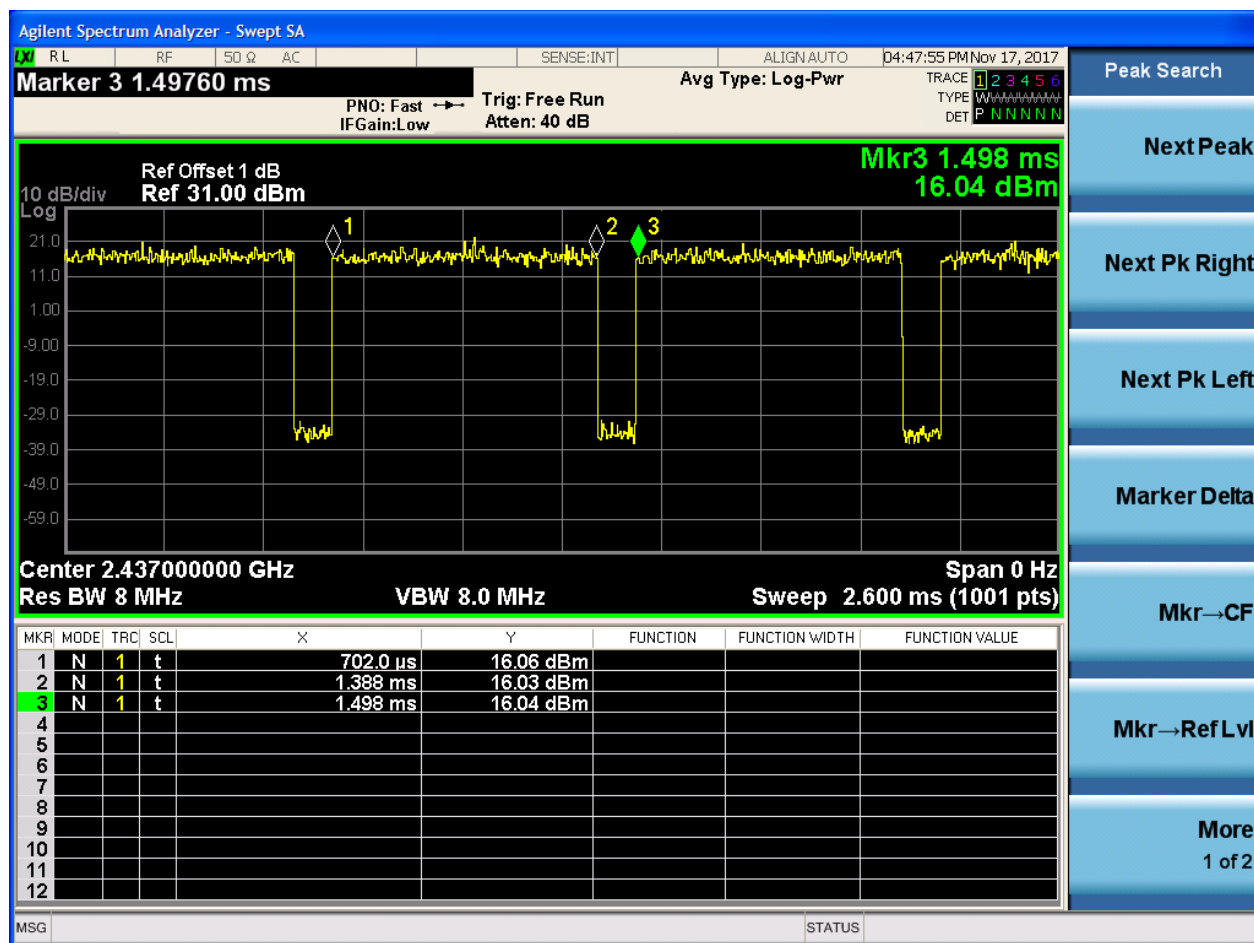


11N20SISO_ANT2



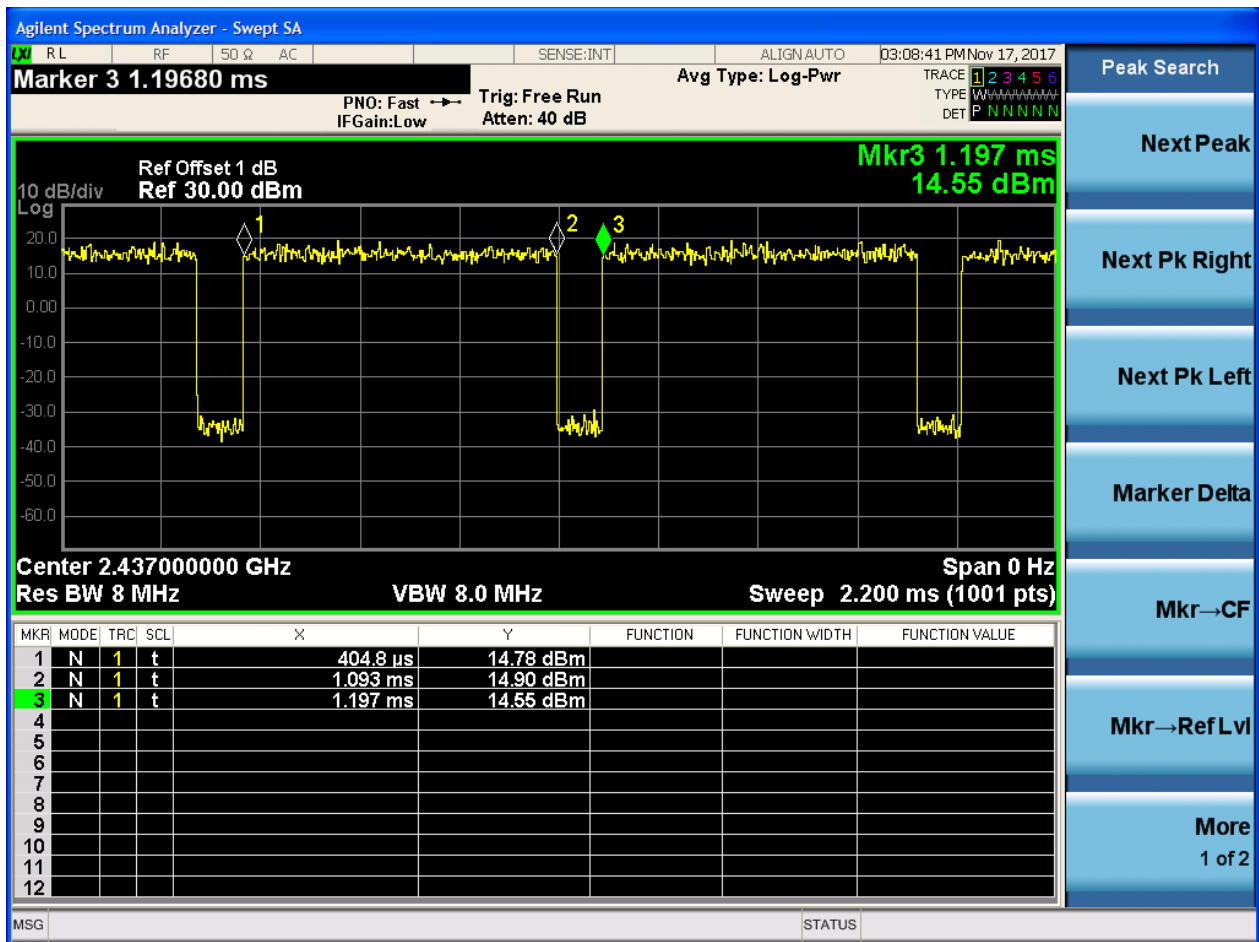


11N20MIMO_ANT1



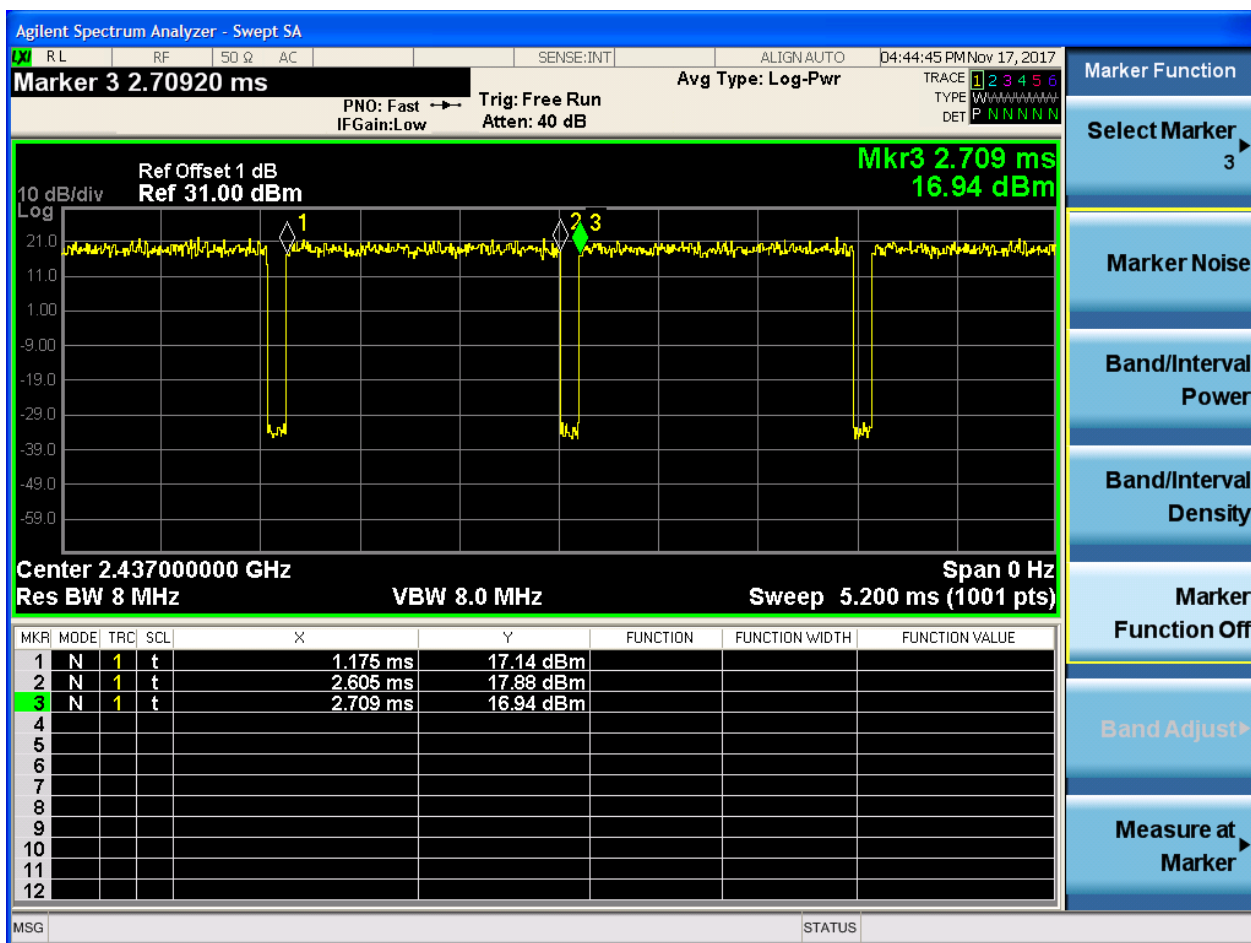


11N20MIMO_ANT2



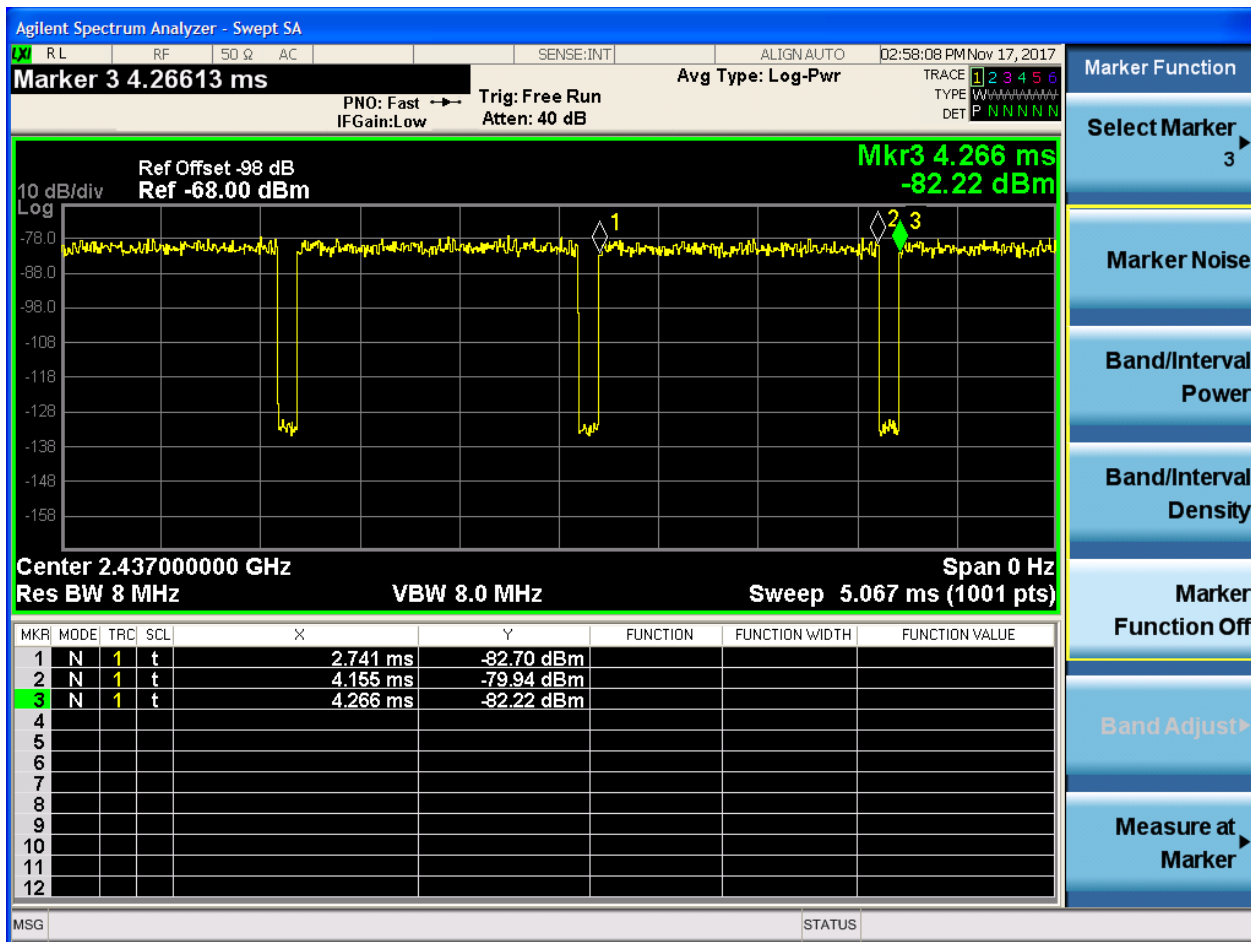


11G CDD_ANT1





11G CDD_ANT2



Appendix D: Maximum Conducted Average Output Power

Part I - Test Results

Test Mode	Test Channel	Frequency [MHz]	Ant	Duty Cycle [%]	Power [dBm]	Verdict
11B	L	2412	Ant 1	99.00	18.81	pass
11B	L	2412	Ant 2	99.00	19.39	pass
11B	M	2437	Ant 1	99.00	19.01	pass
11B	M	2437	Ant 2	99.00	18.92	pass
11B	H	2462	Ant 1	99.00	19.18	pass
11B	H	2462	Ant 2	99.00	18.96	pass
11G	L	2412	Ant 1	93.00	15.66	pass
11G	L	2412	Ant 2	93.00	14.57	pass
11G	M	2437	Ant 1	93.00	16.02	pass
11G	M	2437	Ant 2	93.00	15.03	pass
11G	H	2462	Ant 1	93.00	16.07	pass
11G	H	2462	Ant 2	93.00	14.97	pass
11N20	L	2412	Ant 1	93.00	14.12	pass
11N20	L	2412	Ant 2	93.00	13.92	pass

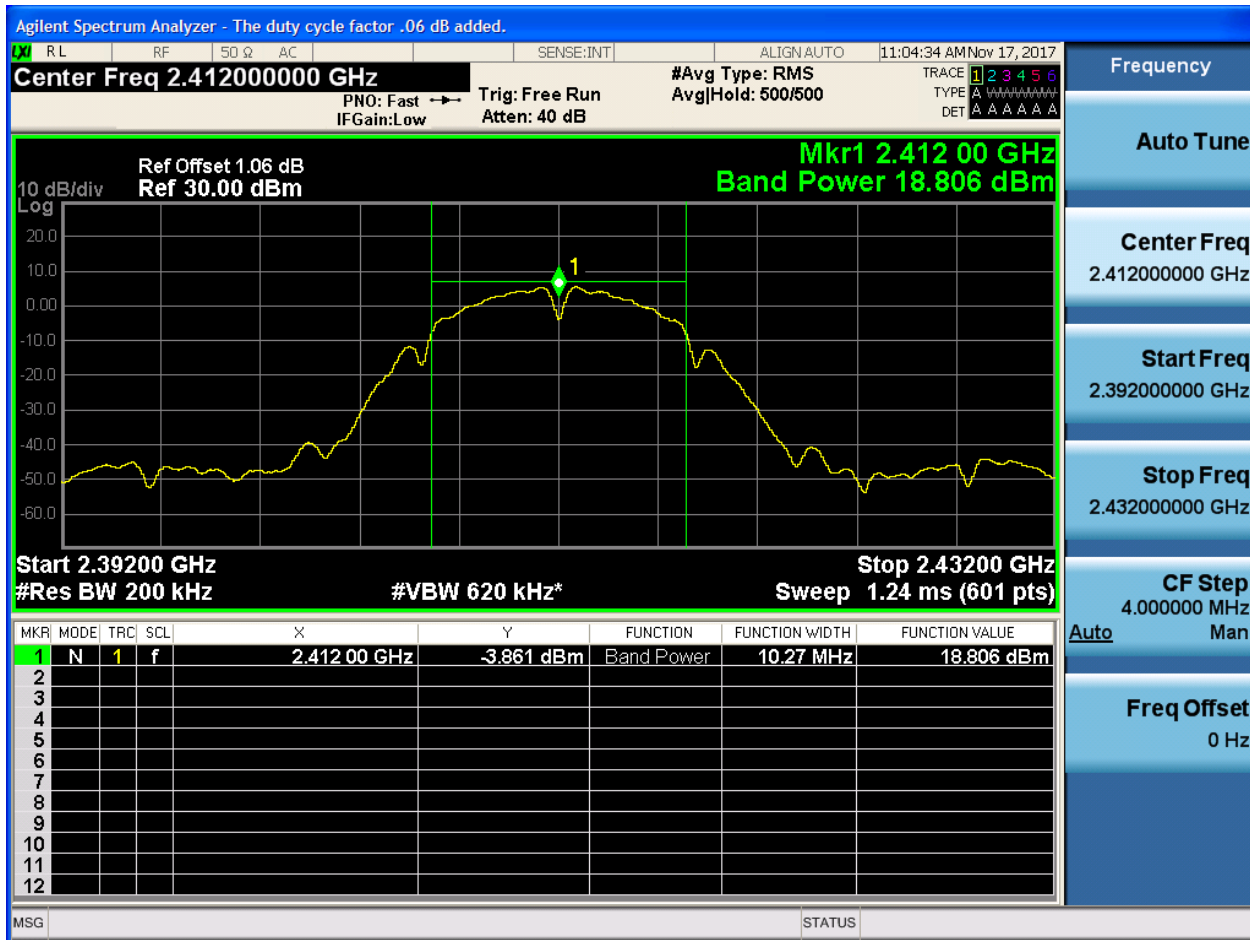
Test Mode	Test Channel	Frequency [MHz]	Ant	Duty Cycle [%]	Power [dBm]	Verdict
11N20	M	2437	Ant 1	93.00	14.18	pass
11N20	M	2437	Ant 2	93.00	13.47	pass
11N20	H	2462	Ant 1	93.00	14.08	pass
11N20	H	2462	Ant 2	93.00	13.4	pass
11N20m	L	2412	Ant 1	86.18	13.01	pass
11N20m	L	2412	Ant 2	87.00	13.04	pass
11N20m	L	2412	SUM	---	16.03	pass
11N20m	M	2437	Ant 1	86.18	14.02	pass
11N20m	M	2437	Ant 2	87.00	13.4	pass
11N20m	M	2437	SUM	---	16.73	pass
11N20m	H	2462	Ant 1	86.18	13.9	pass
11N20m	H	2462	Ant 2	87.00	13.24	pass
11N20m	H	2462	SUM	---	16.59	pass
11G CDD	L	2412	Ant 1	93.22	14.45	pass
11G CDD	L	2412	Ant 2	90.00	14.57	pass
11G CDD	L	2412	SUM	---	17.52	pass
11G CDD	M	2437	Ant 1	93.22	15.3	pass

Test Mode	Test Channel	Frequency [MHz]	Ant	Duty Cycle [%]	Power [dBm]	Verdict
11G CDD	M	2437	Ant 2	90.00	15	pass
11G CDD	M	2437	SUM	---	18.16	pass
11G CDD	H	2462	Ant 1	93.22	15.23	pass
11G CDD	H	2462	Ant 2	90.00	14.91	pass
11G CDD	H	2462	SUM	---	18.08	pass



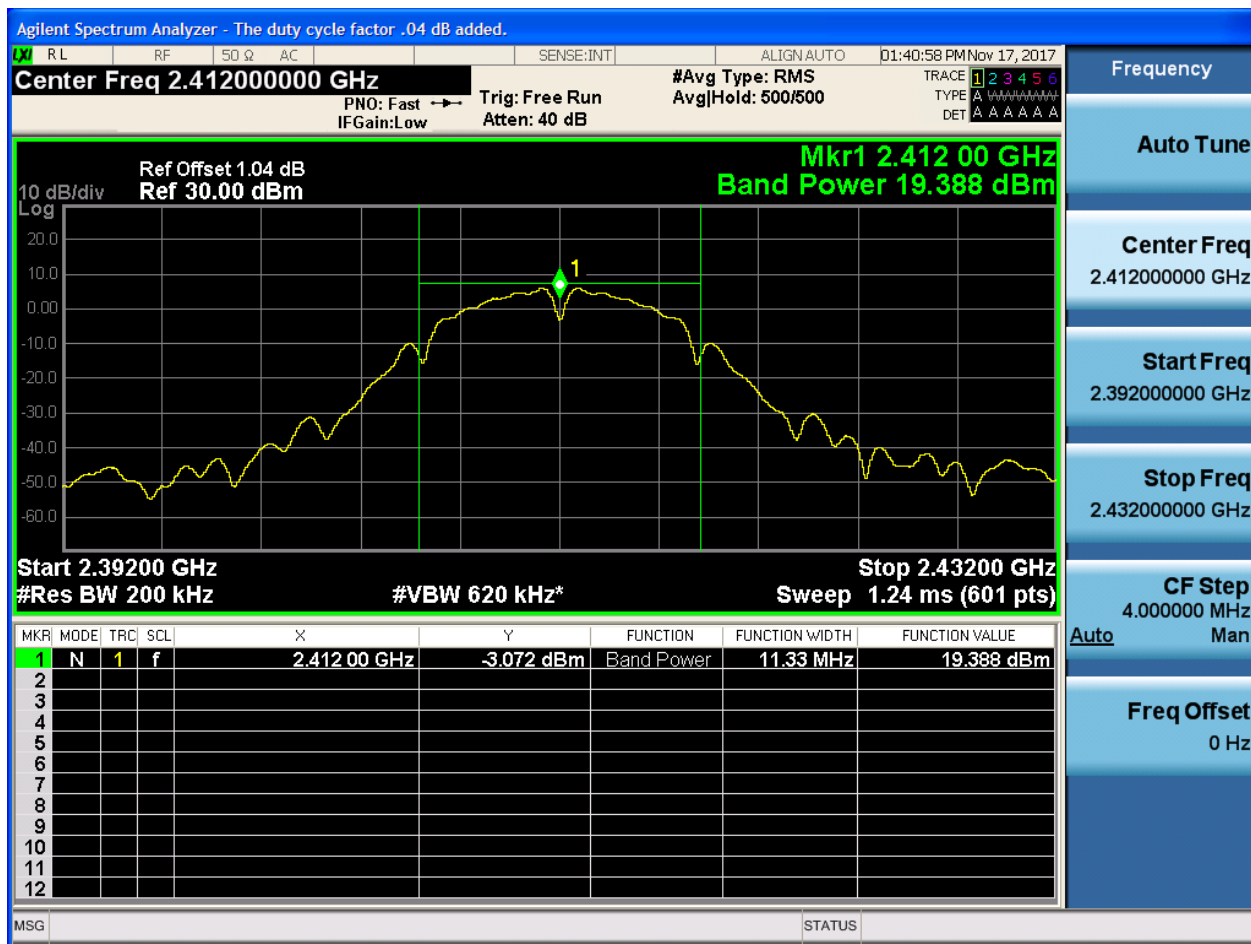
Part II - Test Plots

2.1 11B_L@Ant 1



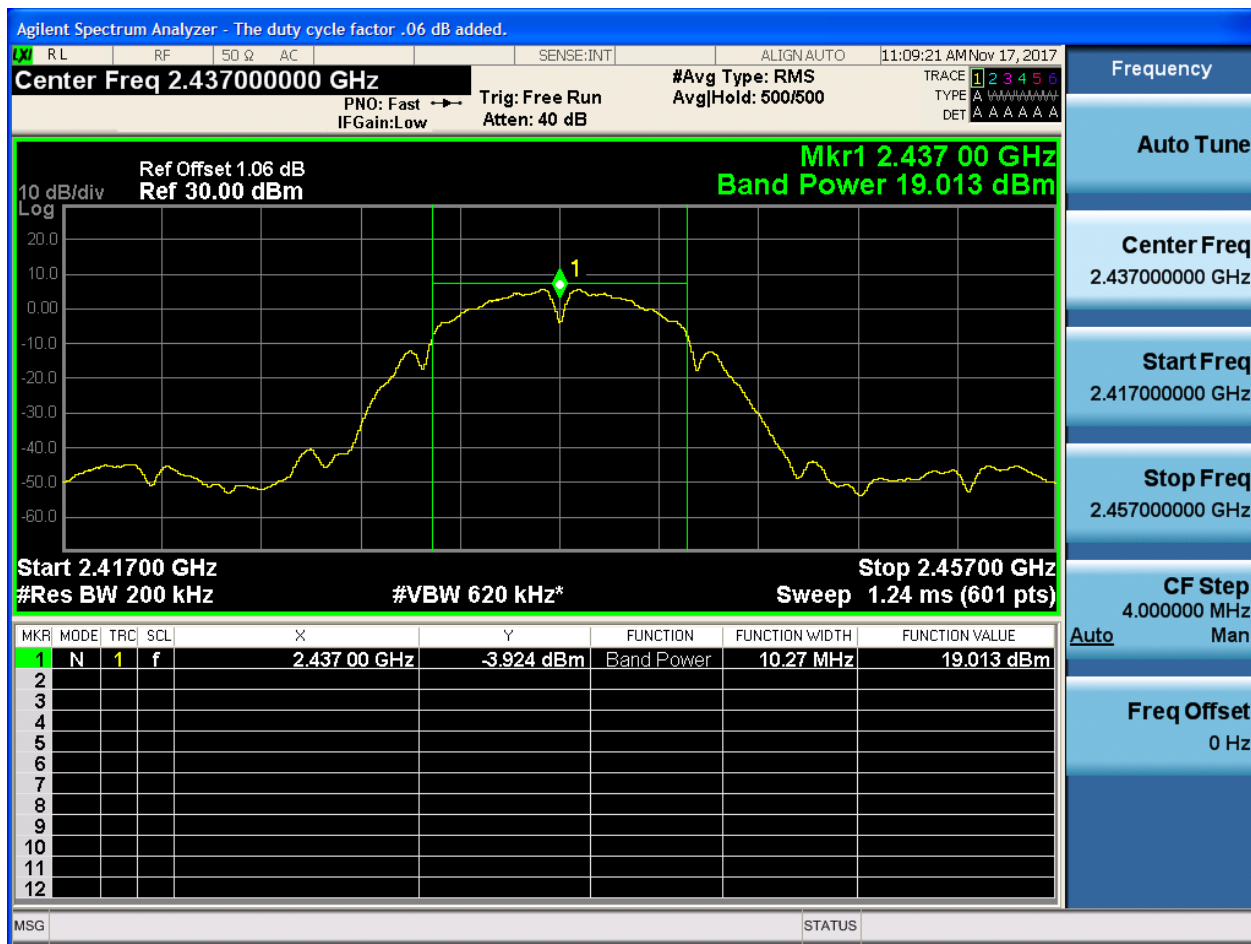


2.2 11B_L@Ant 2



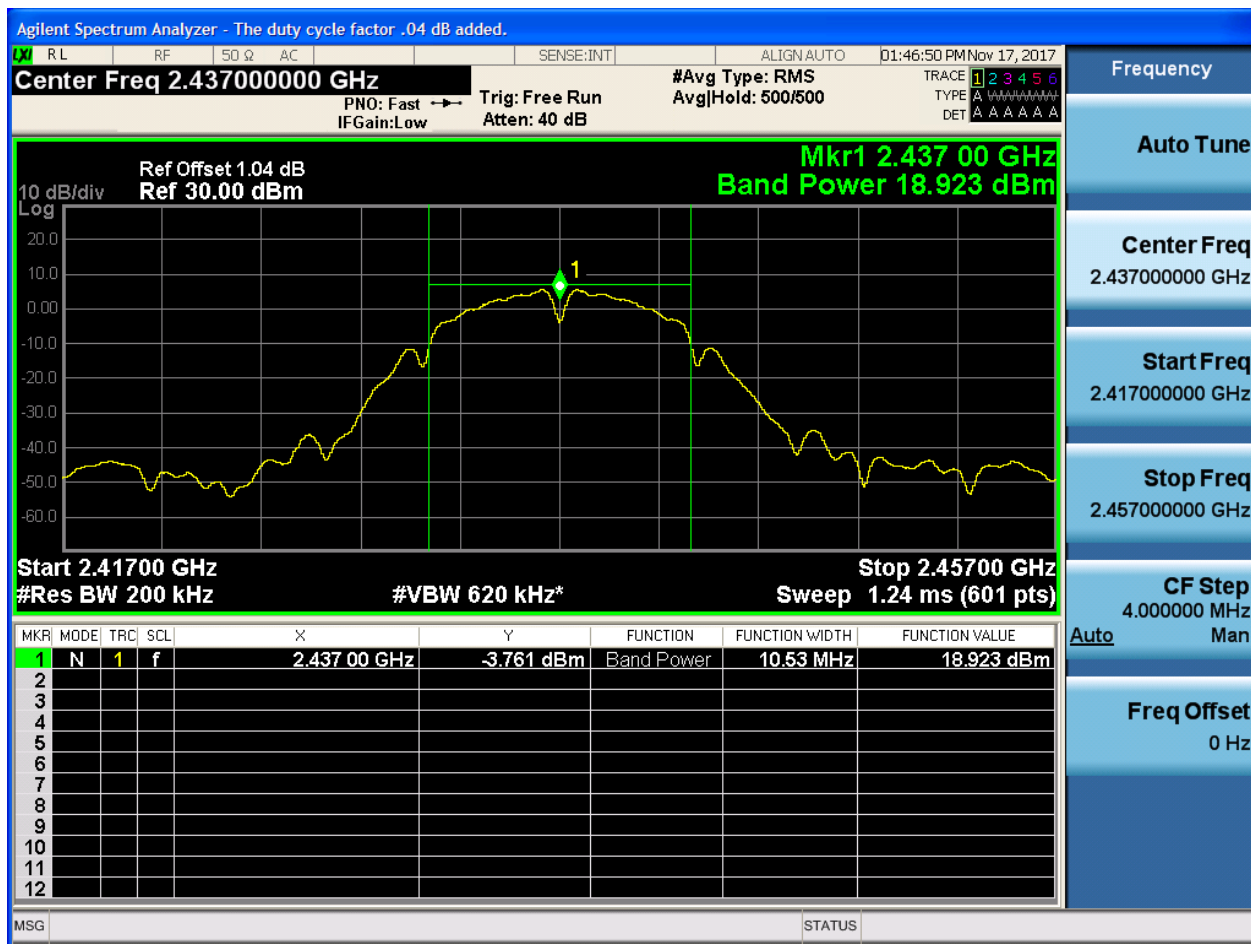


2.3 11B_M@Ant 1



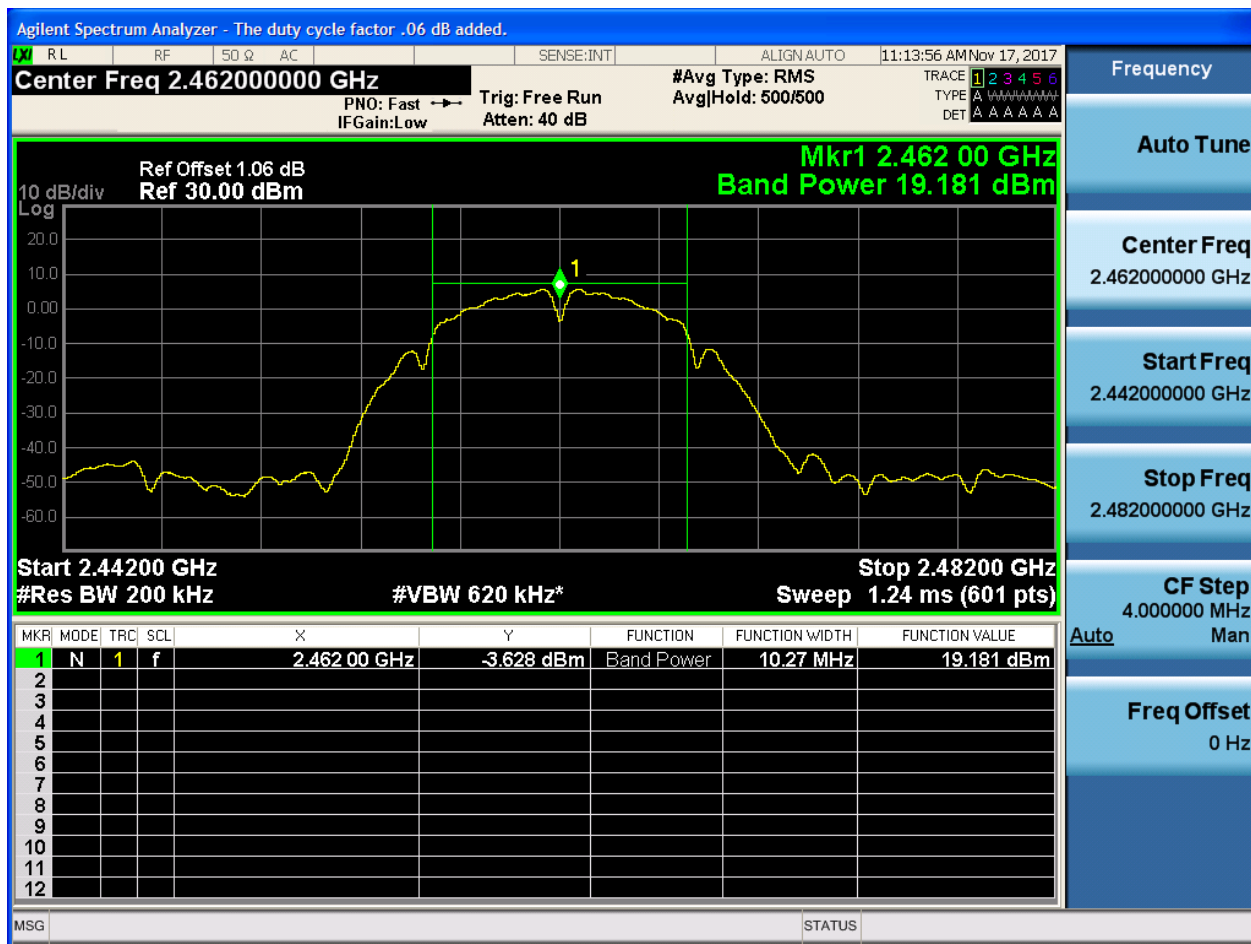


2.4 11B_M@Ant 2



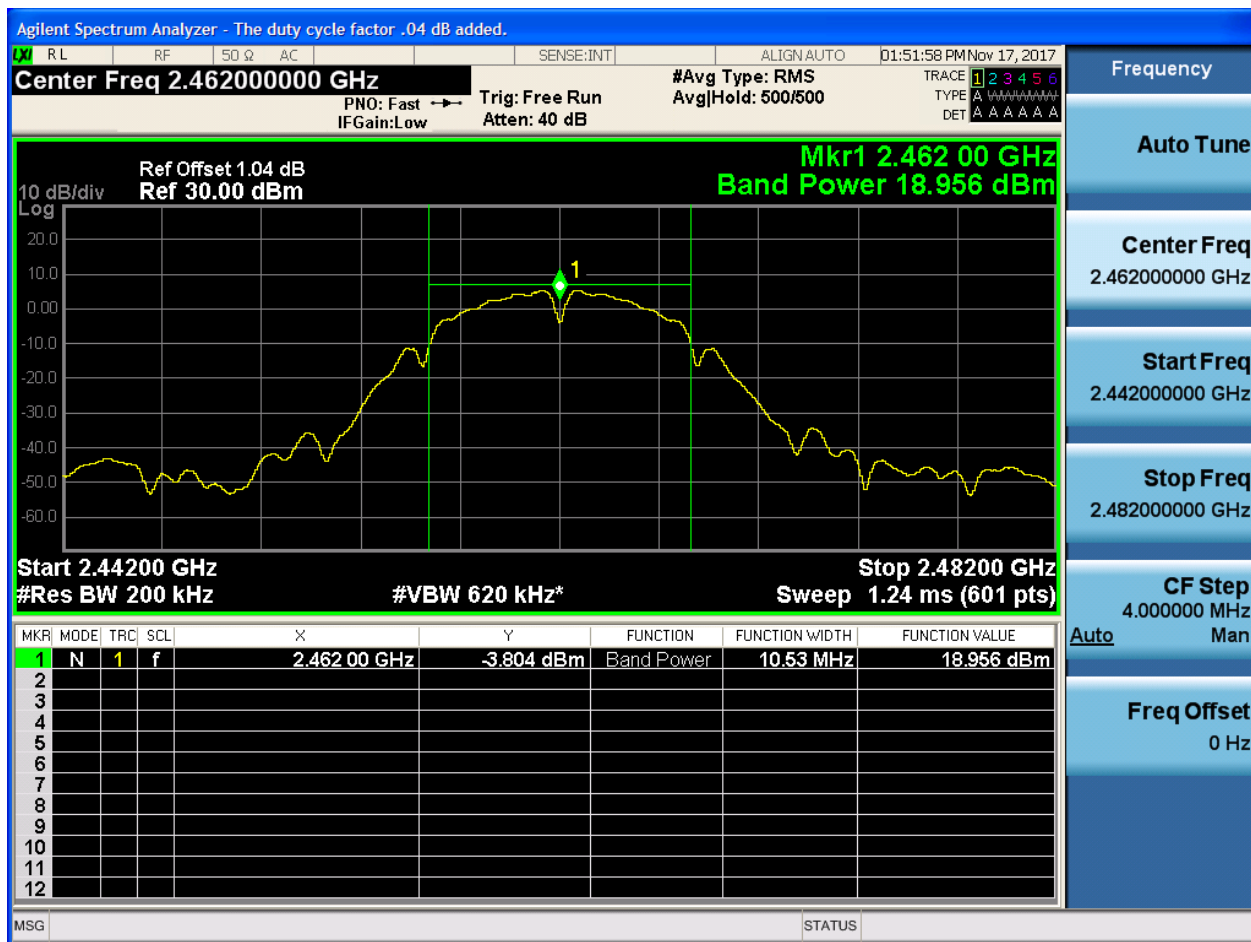


2.5 11B_H@Ant 1



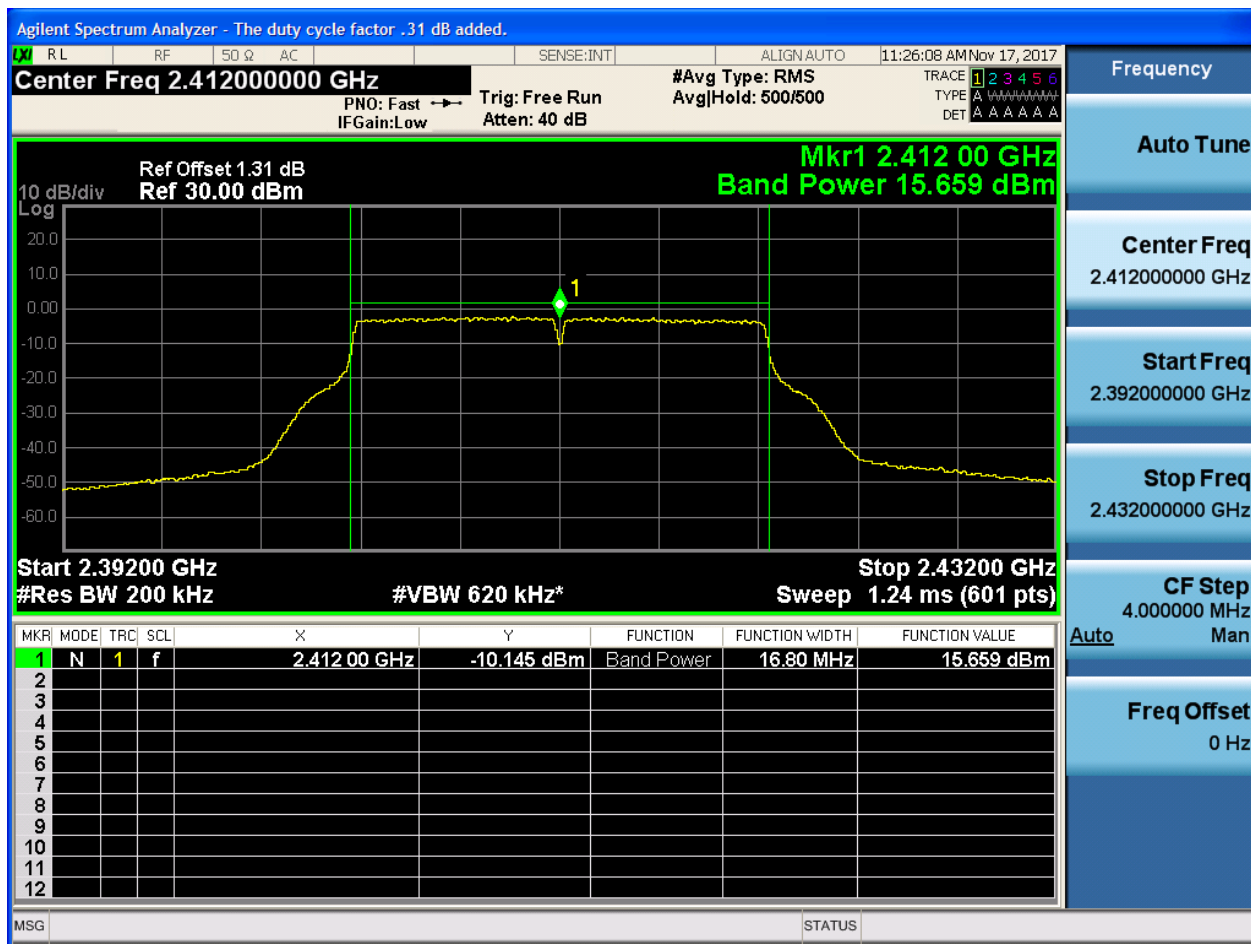


2.6 11B_H@Ant 2



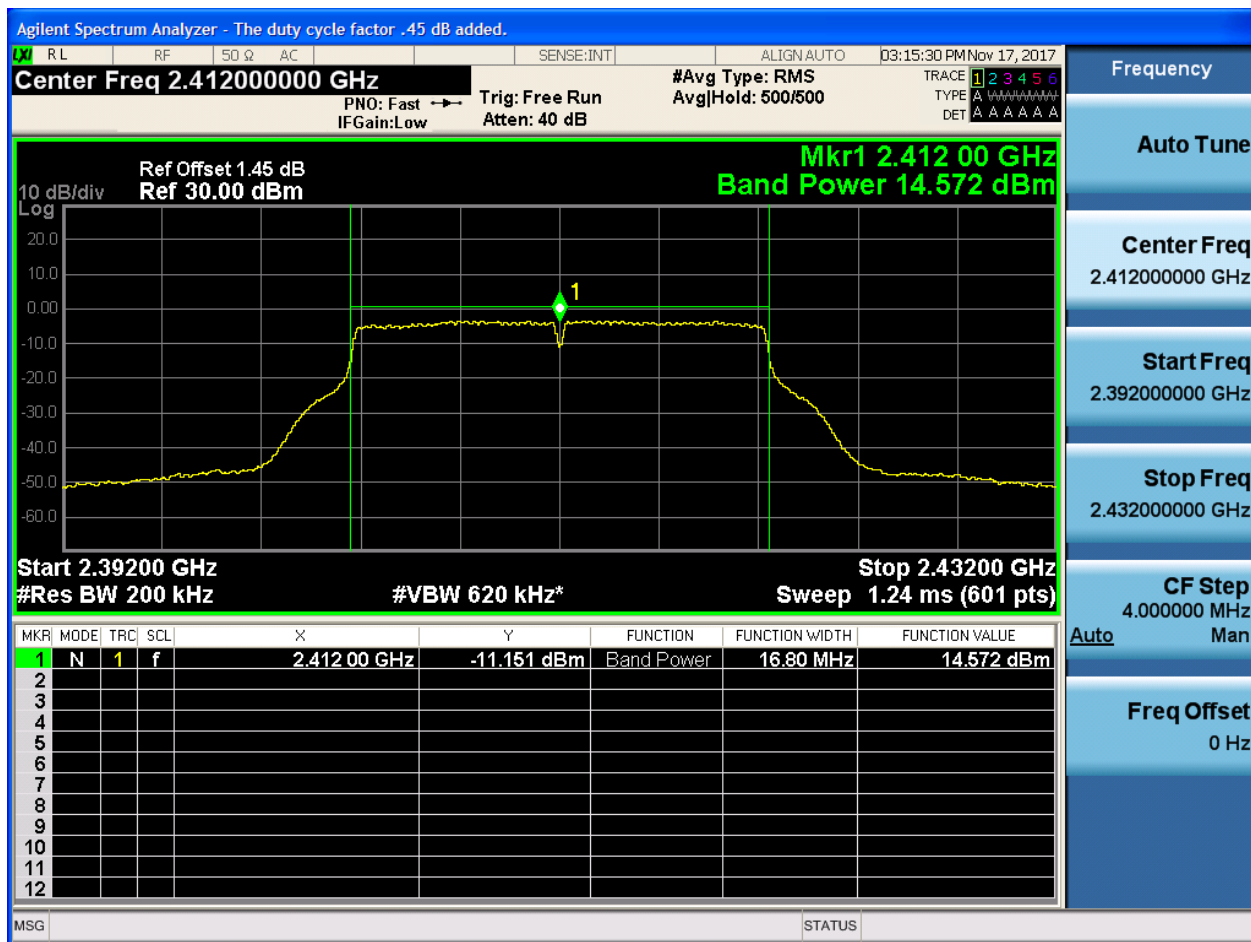


2.7 11G_L@Ant 1



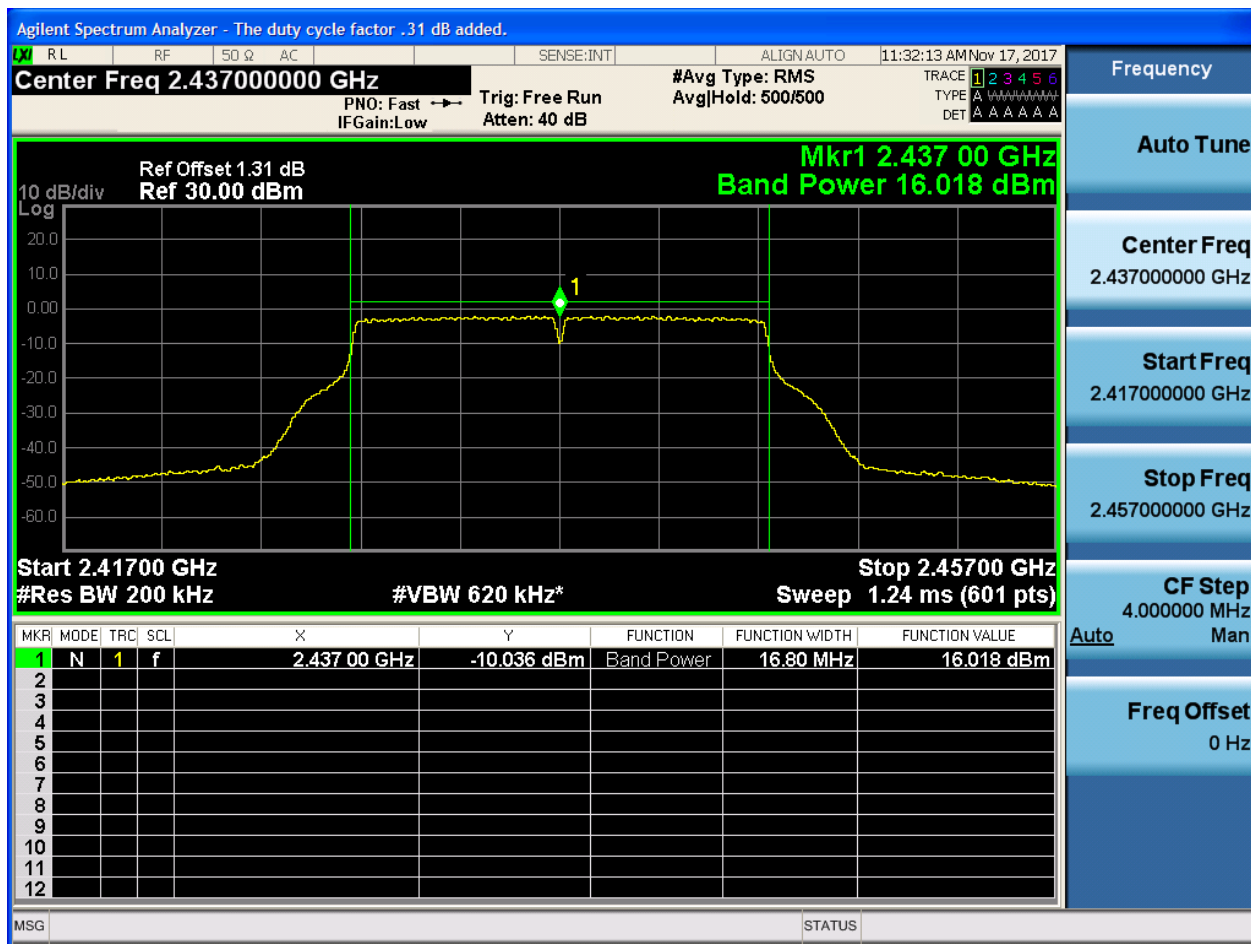


2.8 11G_L@Ant 2



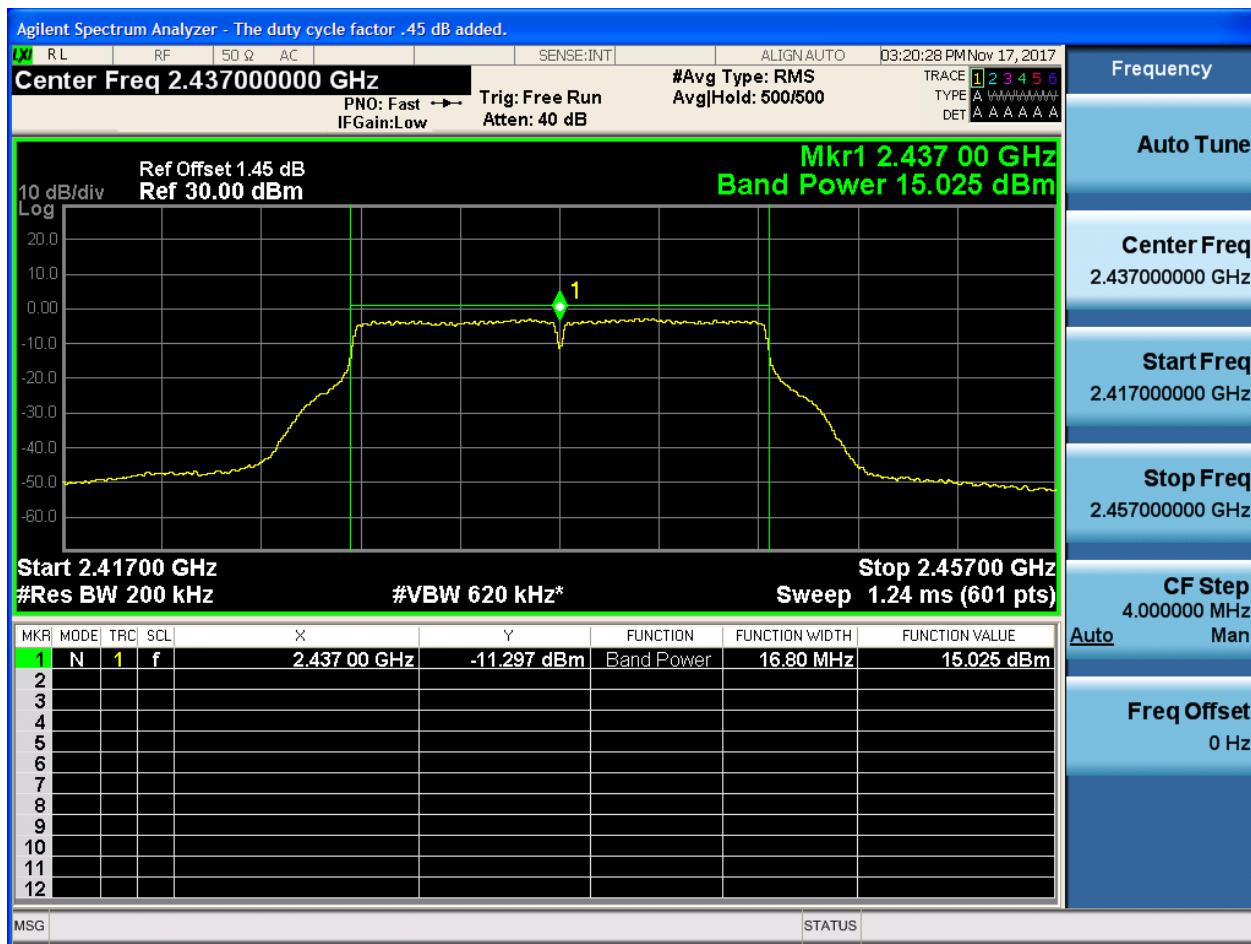


2.9 11G_M@Ant 1



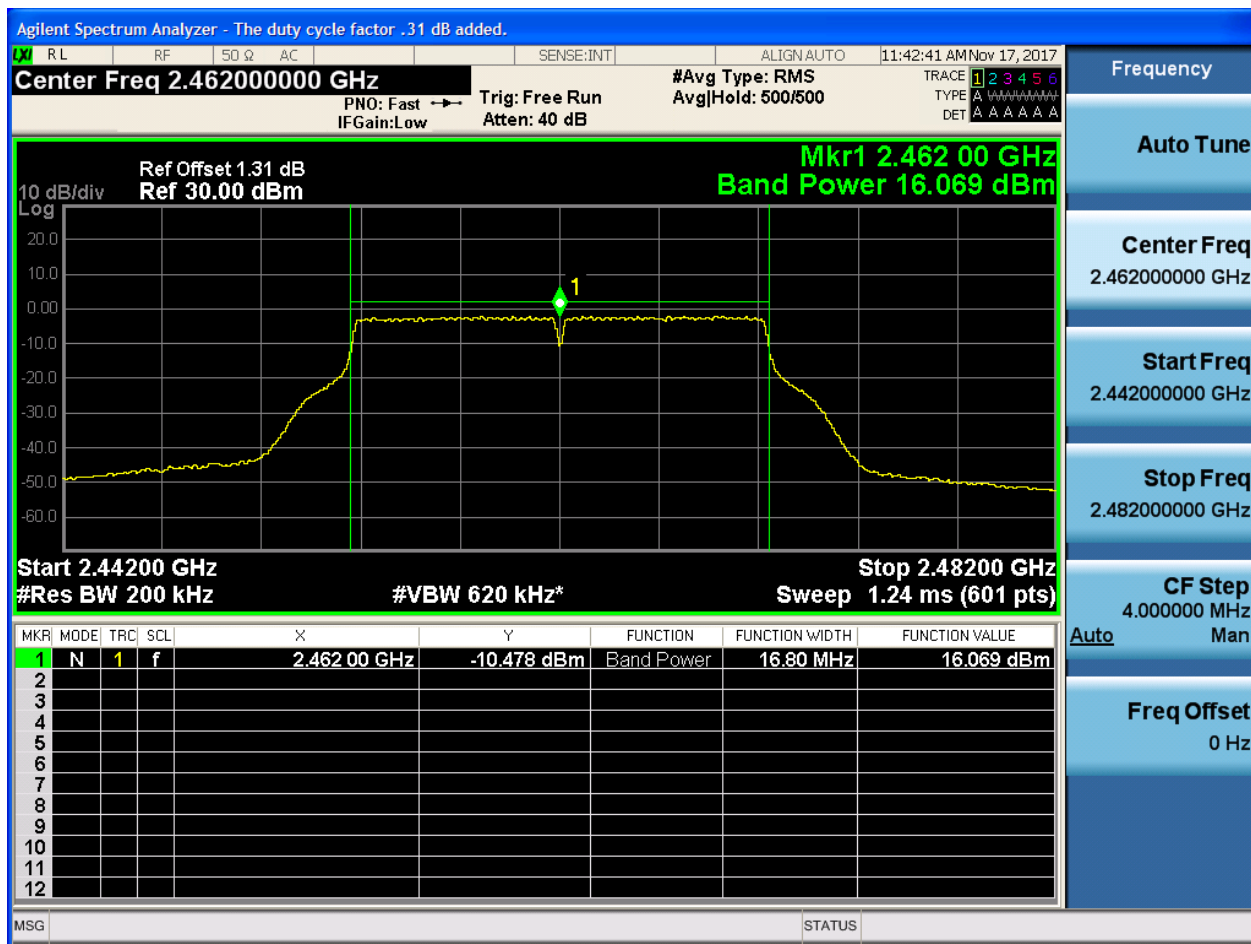


2.10 11G_M@Ant 2



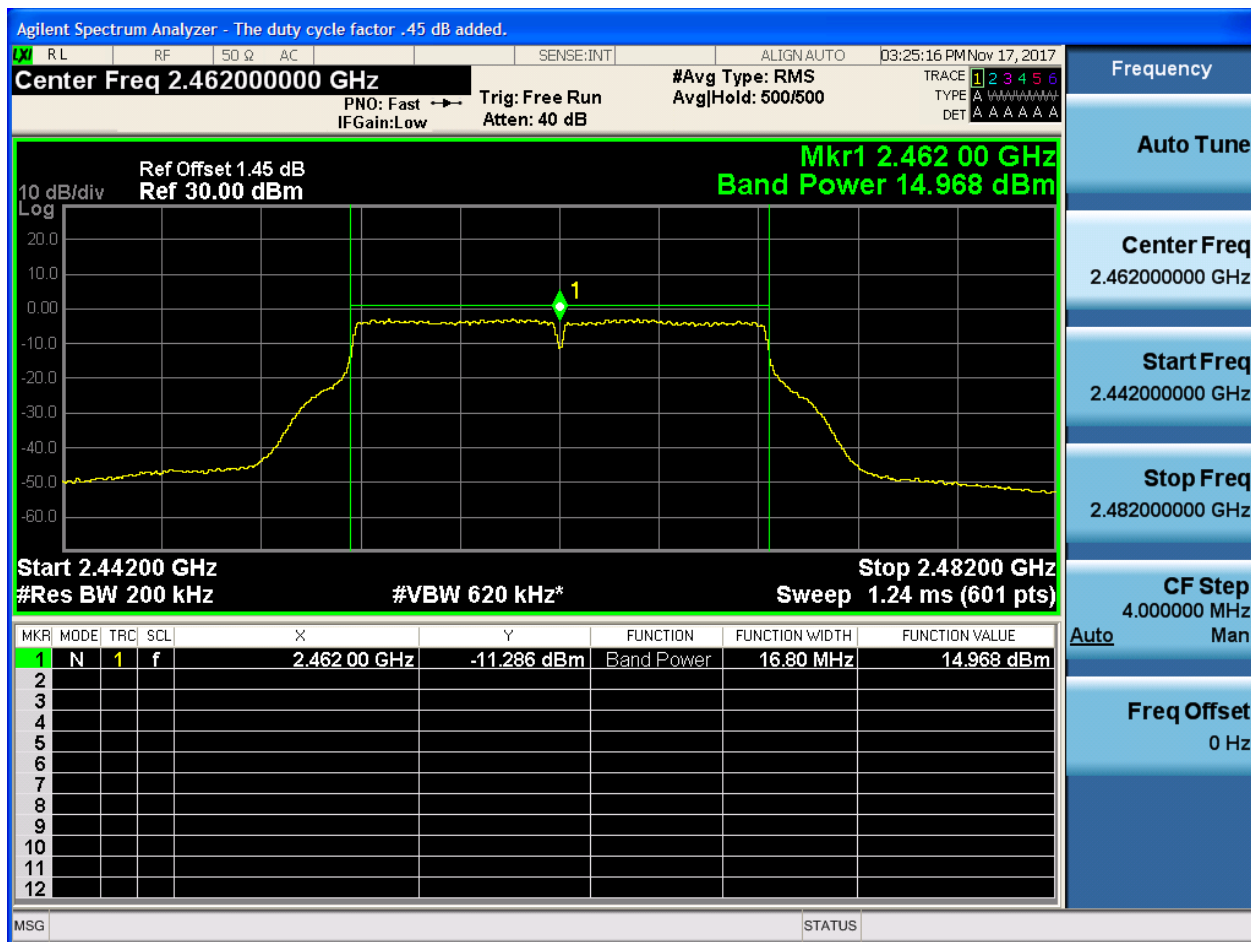


2.11 11G_H@Ant 1



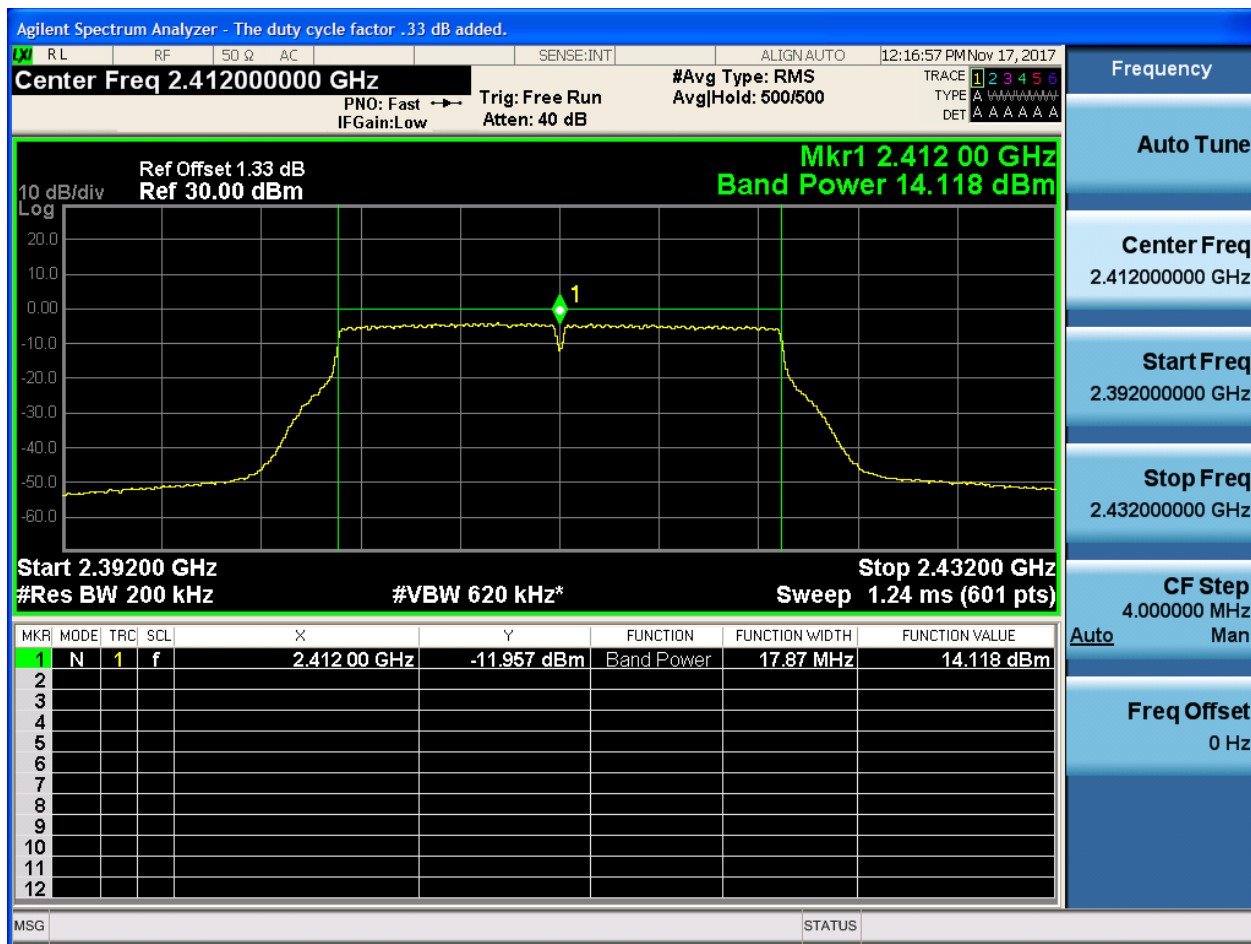


2.12 11G_H@Ant 2



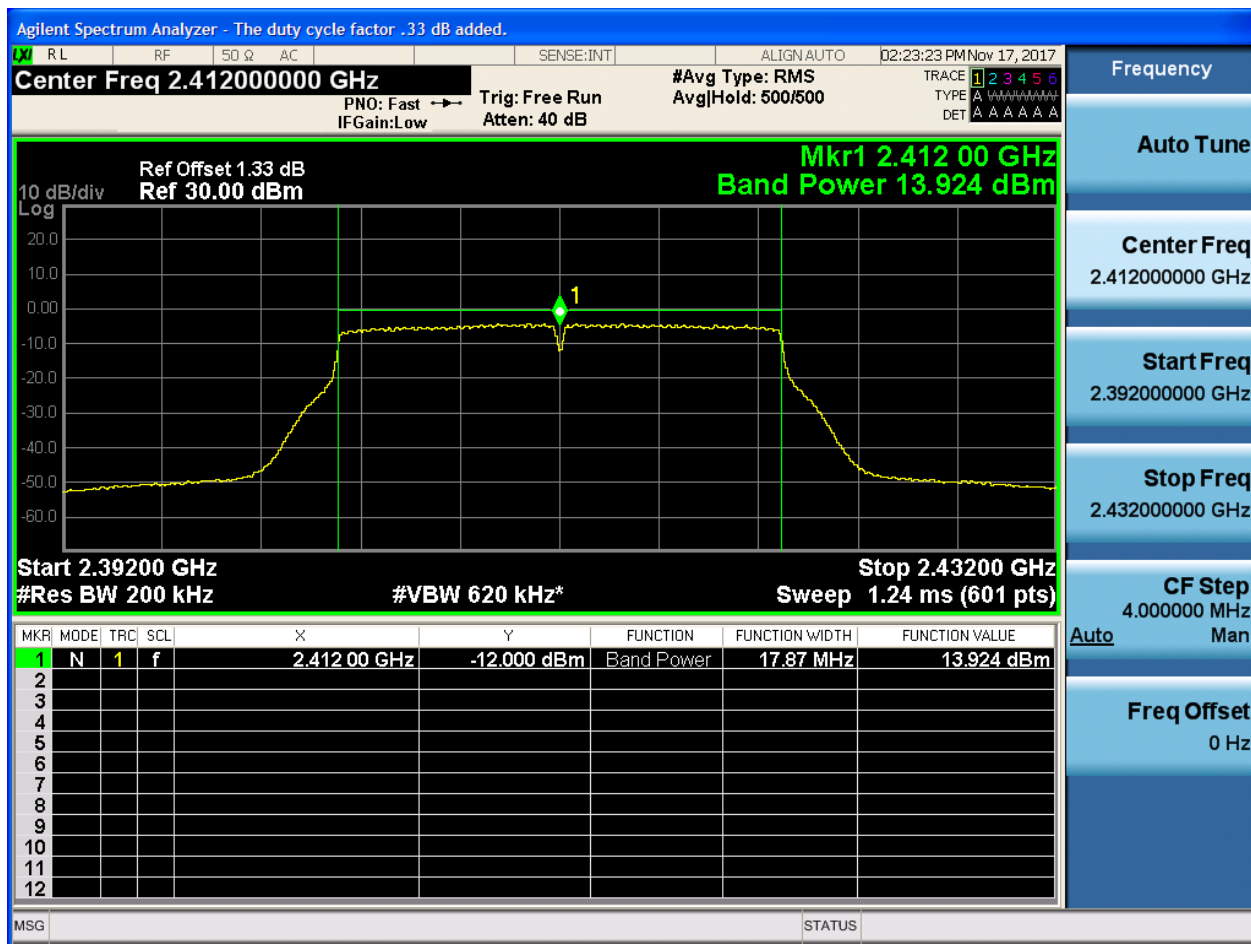


2.13 11N20_L@Ant 1



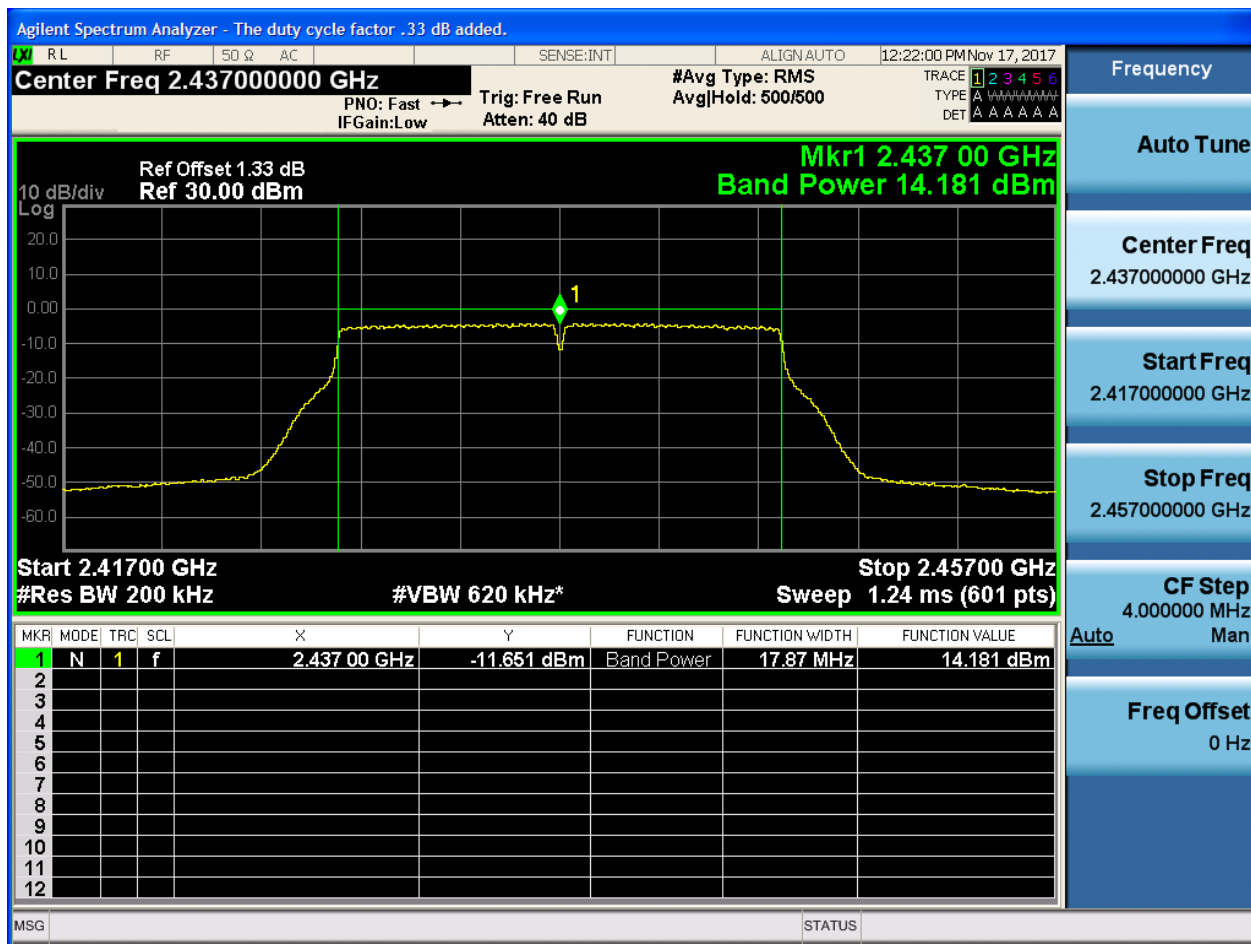


2.14 11N20_L@Ant 2



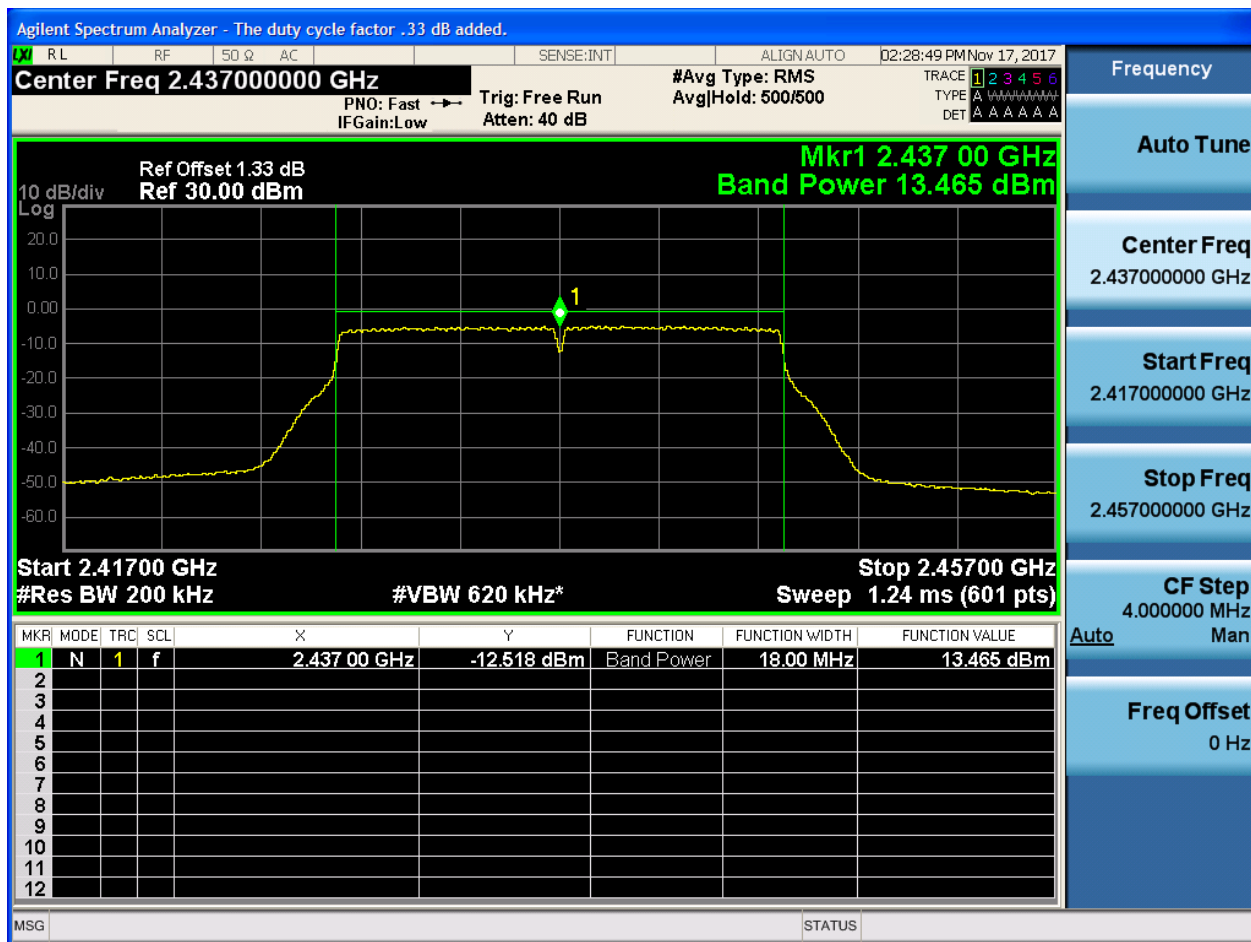


2.15 11N20_M@Ant 1



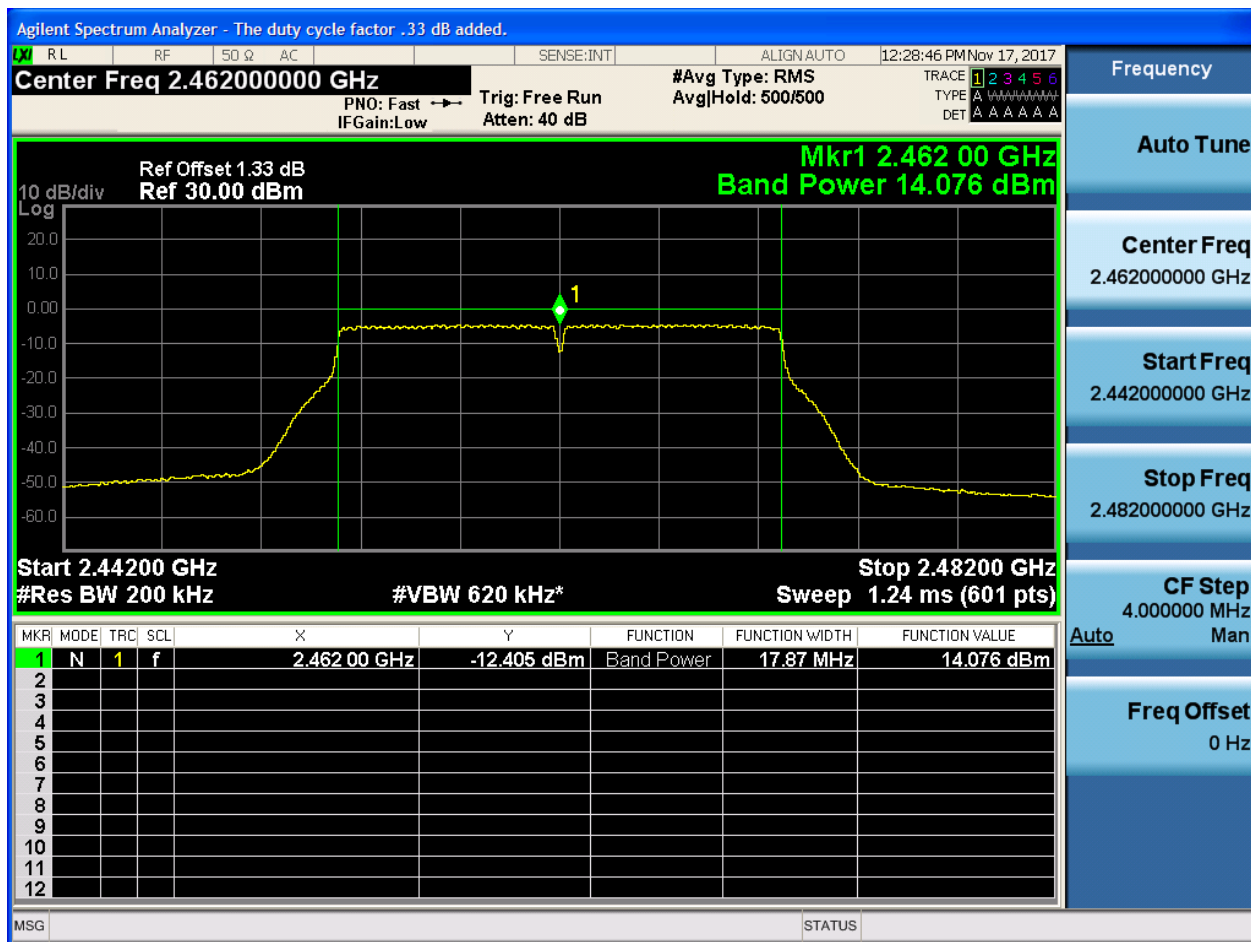


2.16 11N20_M@Ant 2



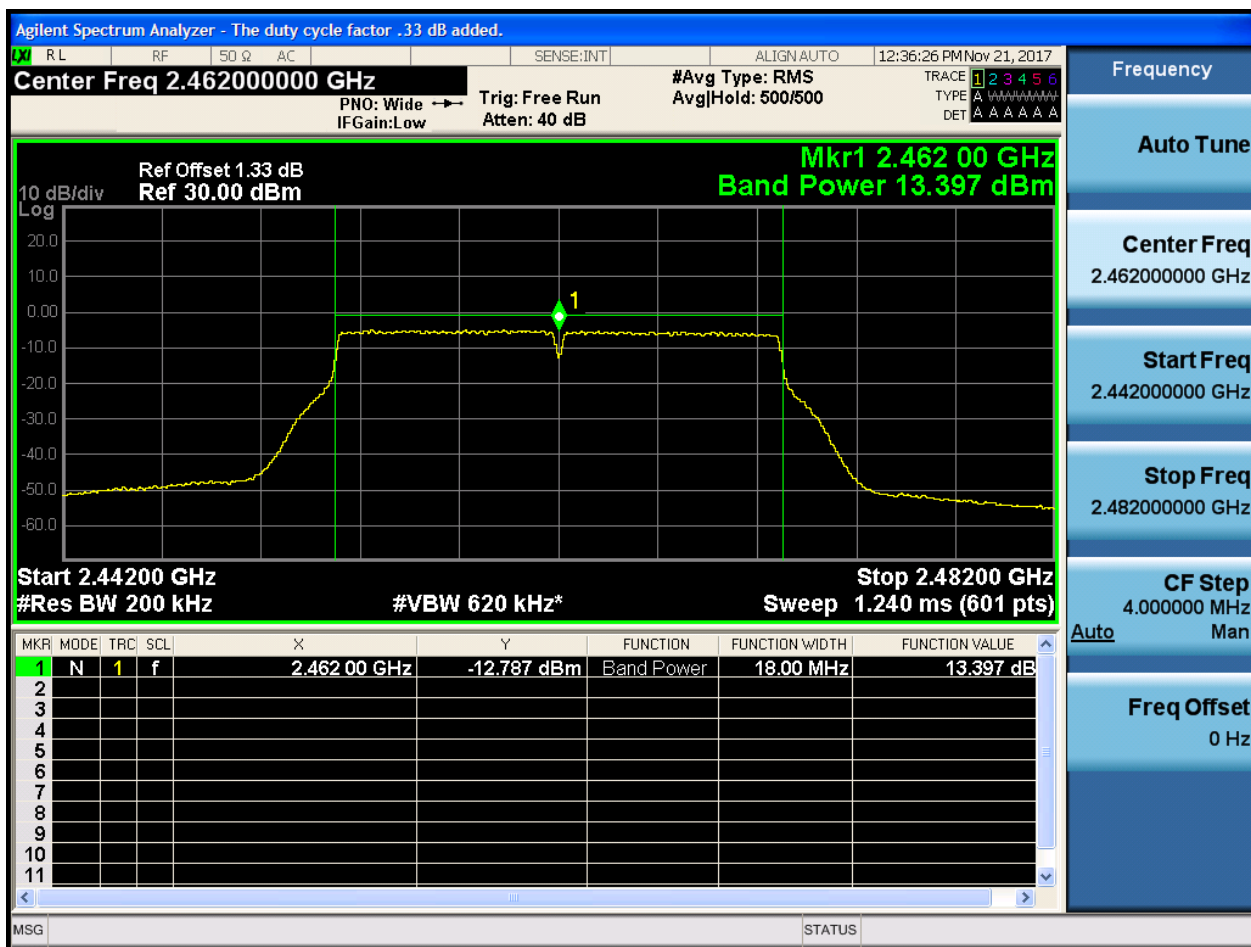


2.17 11N20_H@Ant 1



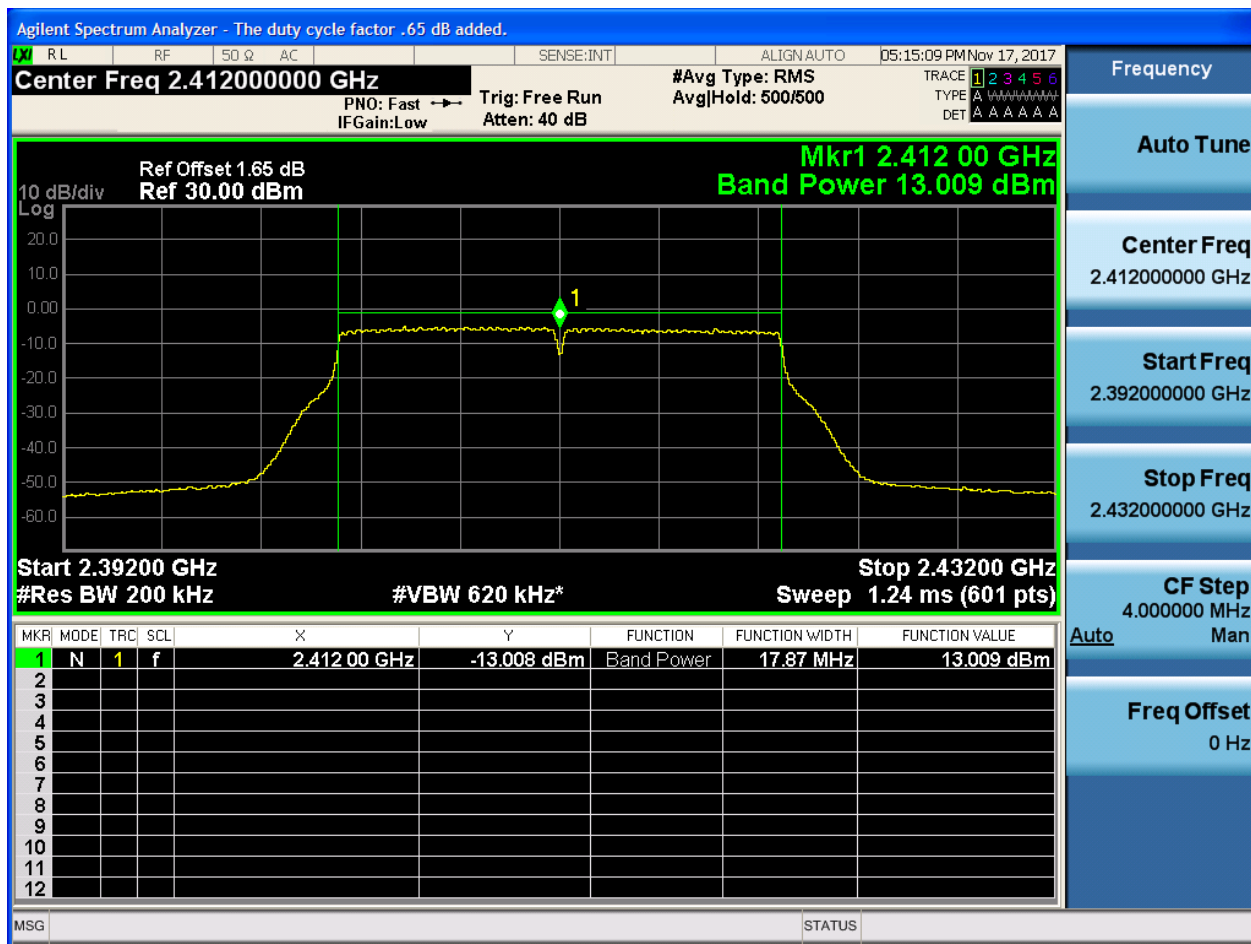


2.18 11N20_H@Ant 2



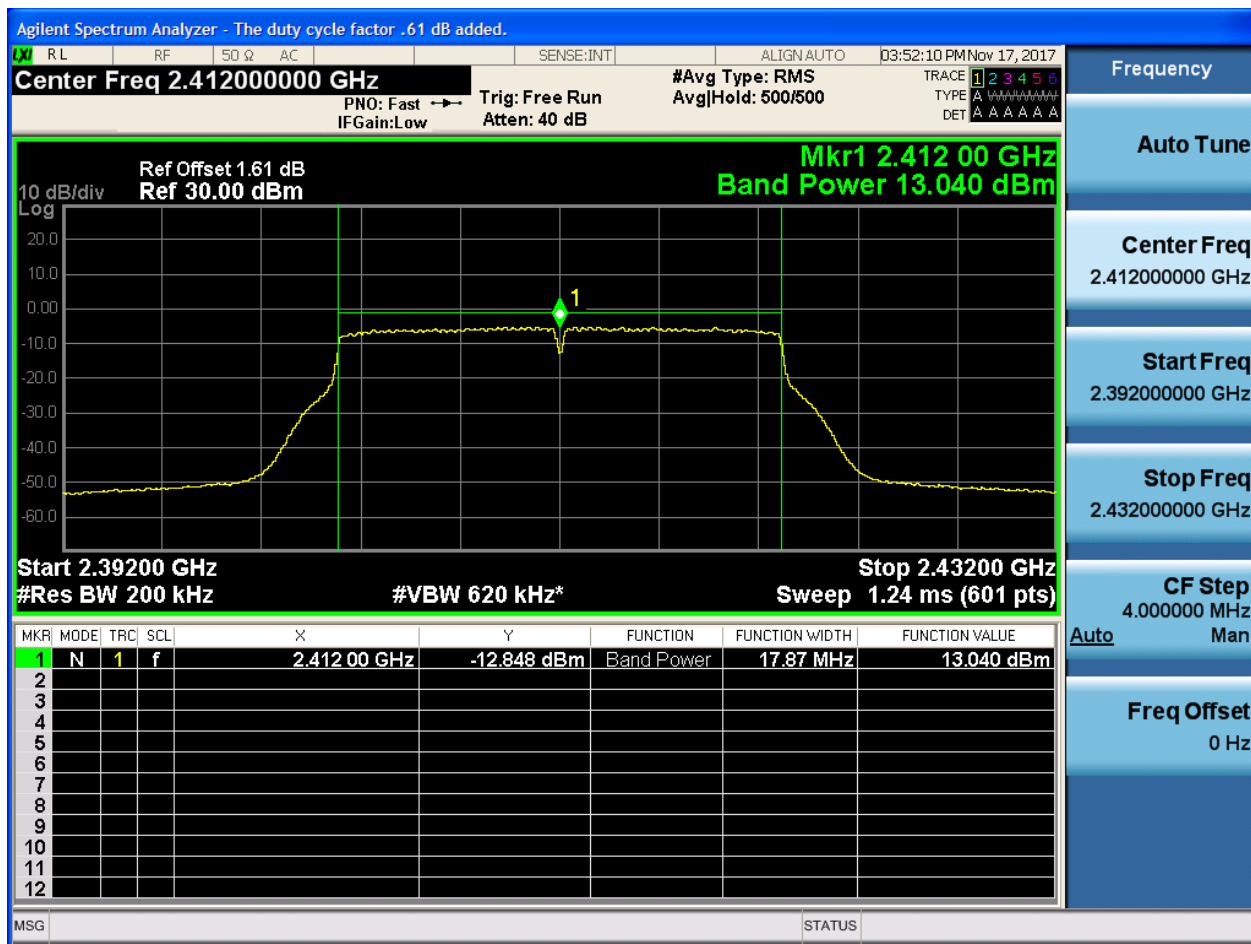


2.19 11N20m_L@Ant 1



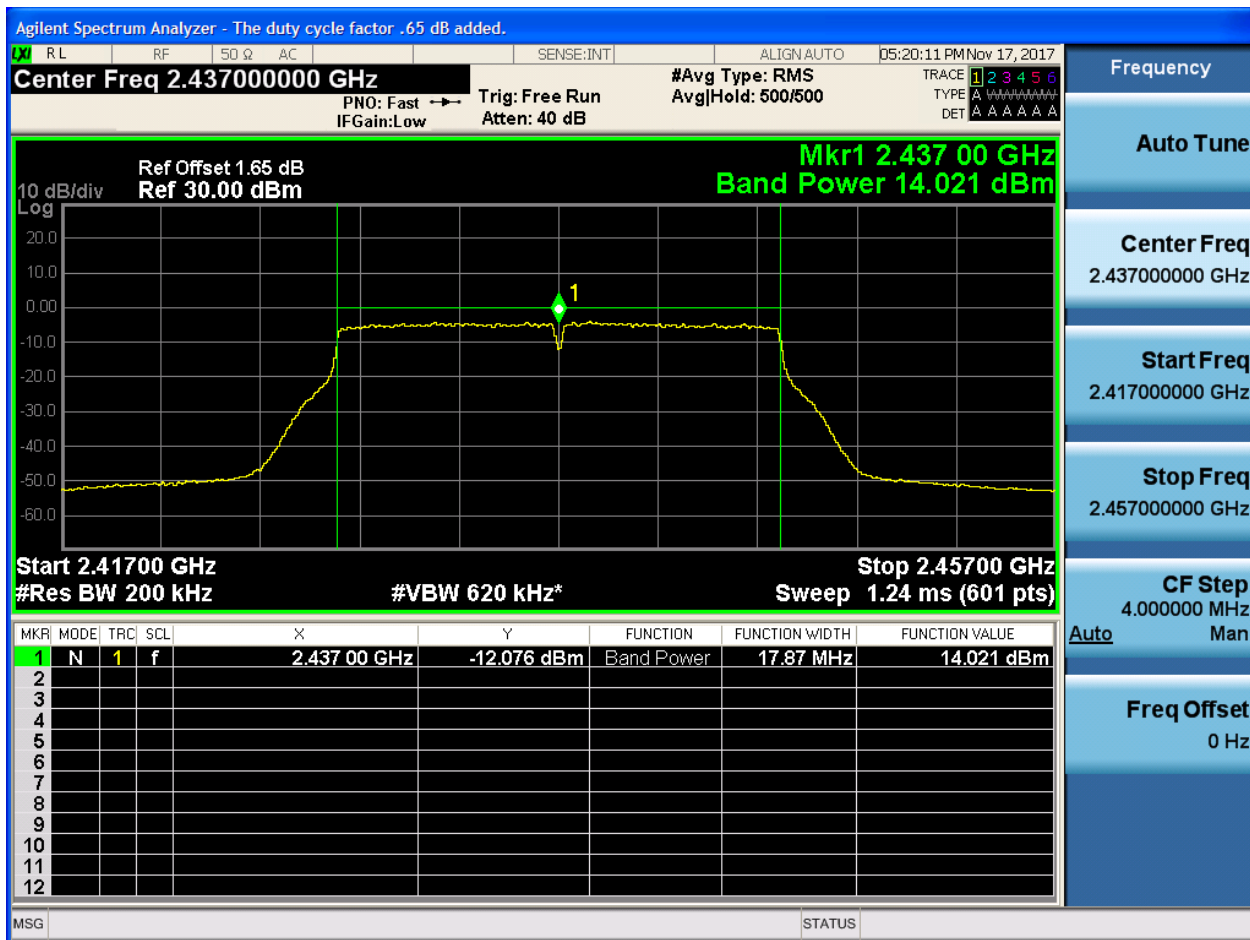


2.20 11N20m_L@Ant 2



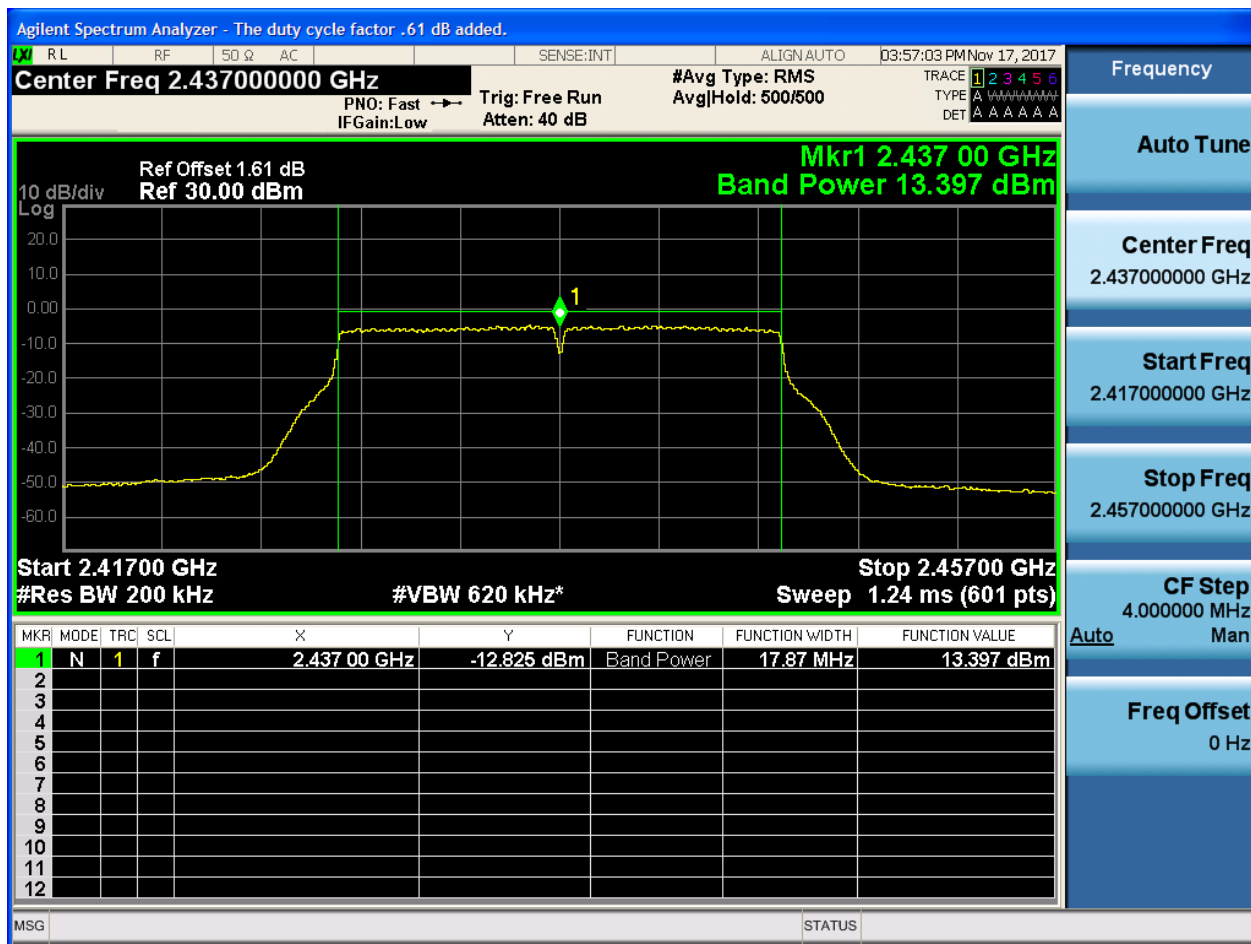


2.21 11N20m_M@Ant 1



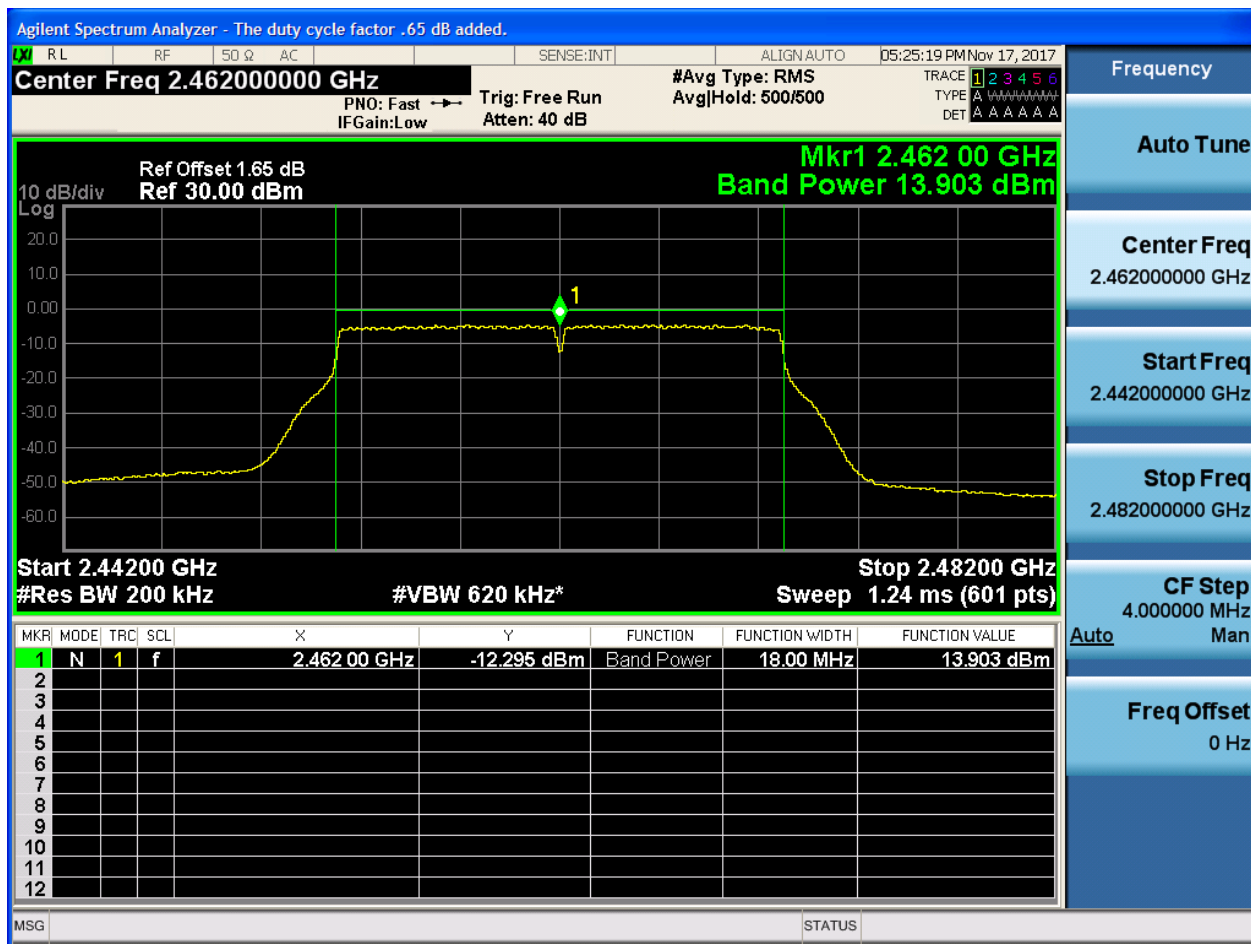


2.22 11N20m_M@Ant 2



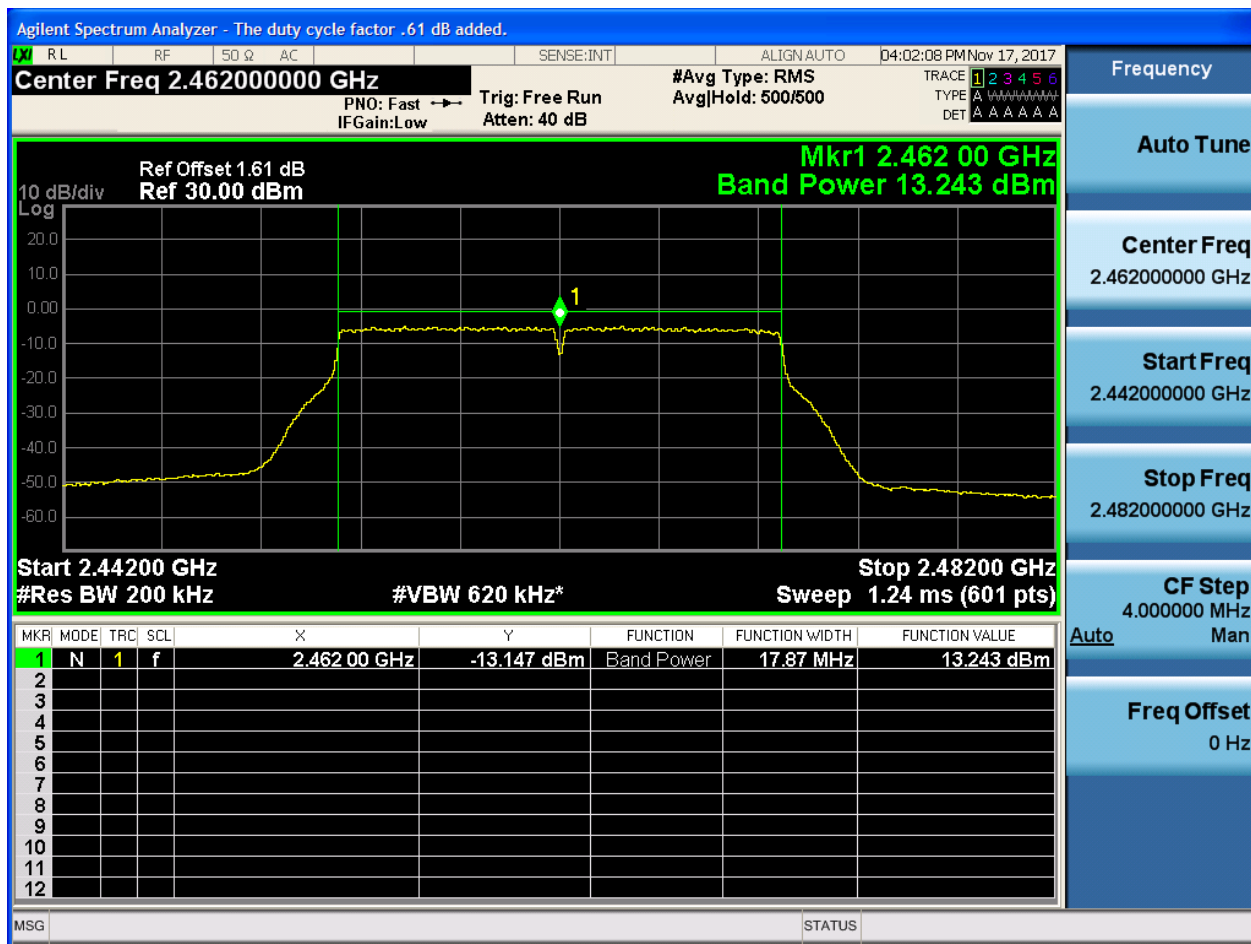


2.23 11N20m_H@Ant 1



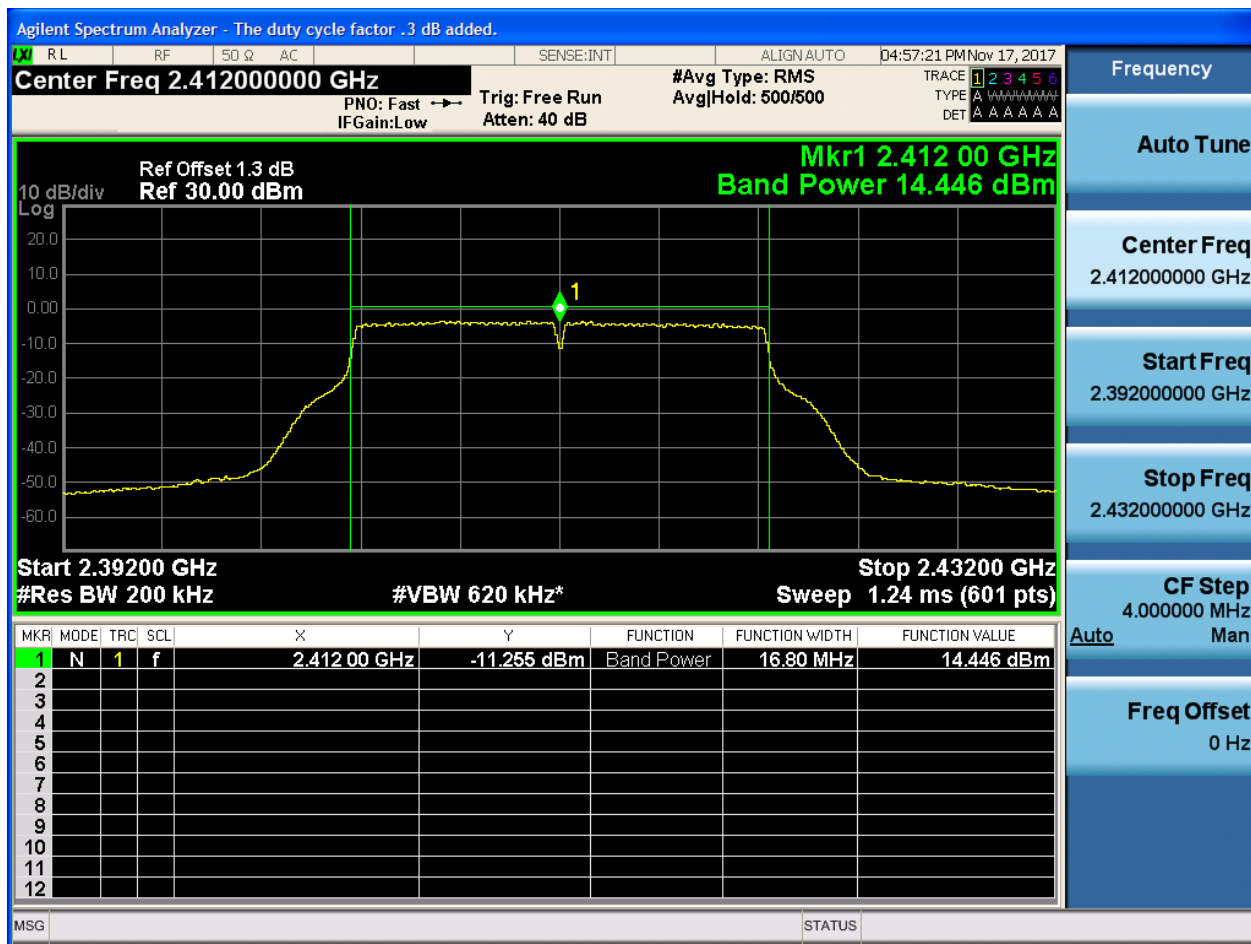


2.24 11N20m_H@Ant 2



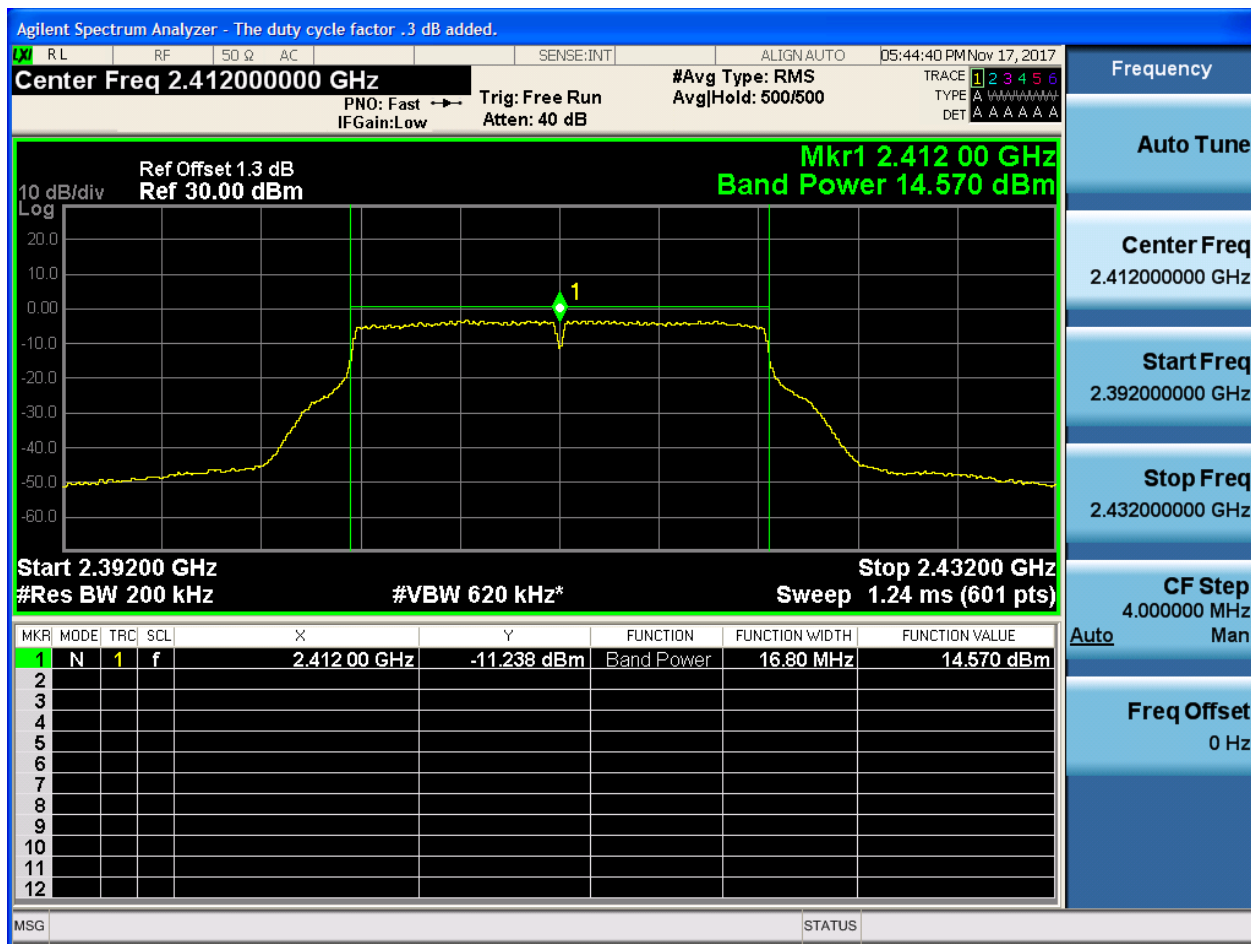


2.25 11G CDD__L@Ant 1



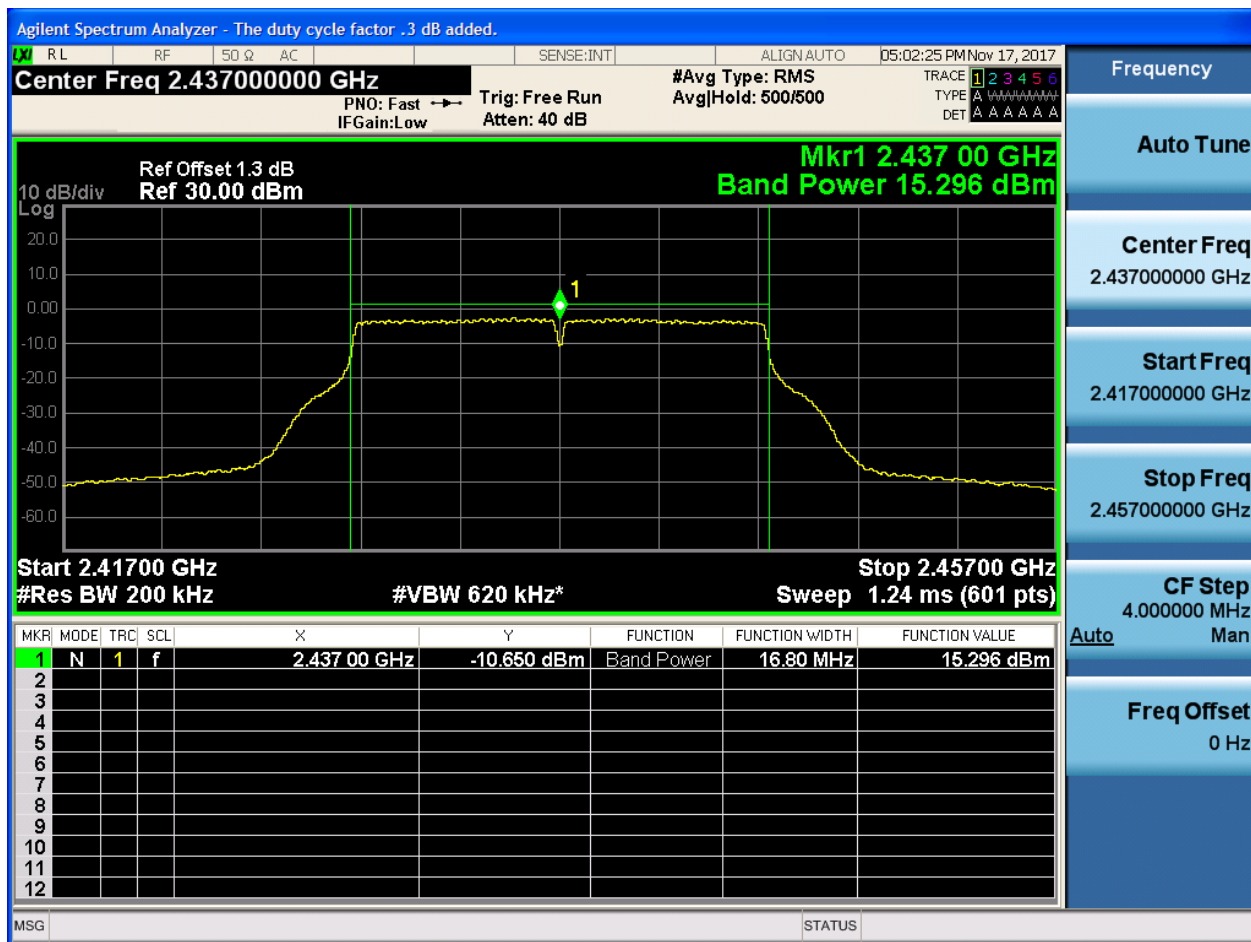


2.26 11G CDD__L@Ant 2



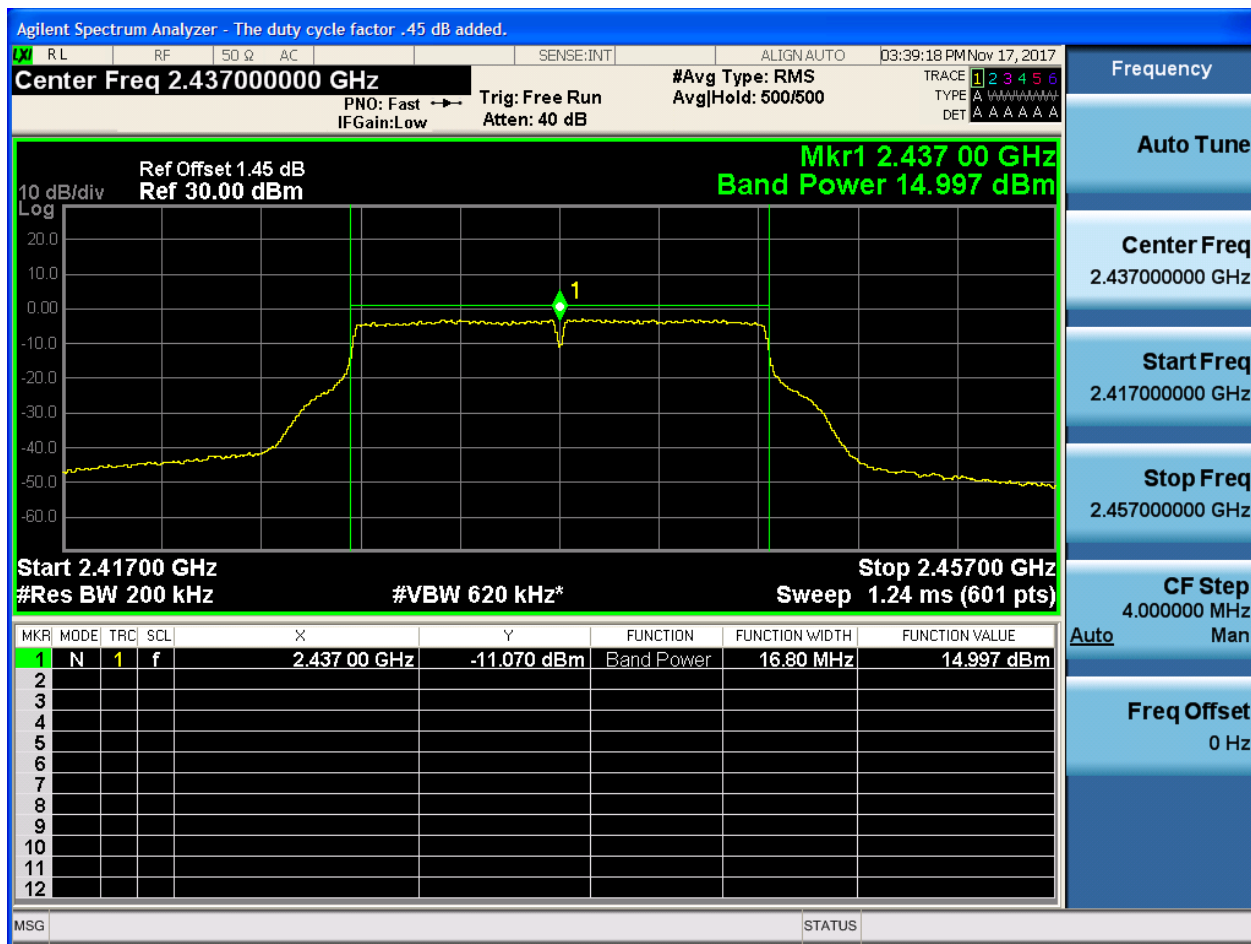


2.27 11G CDD__M@Ant 1



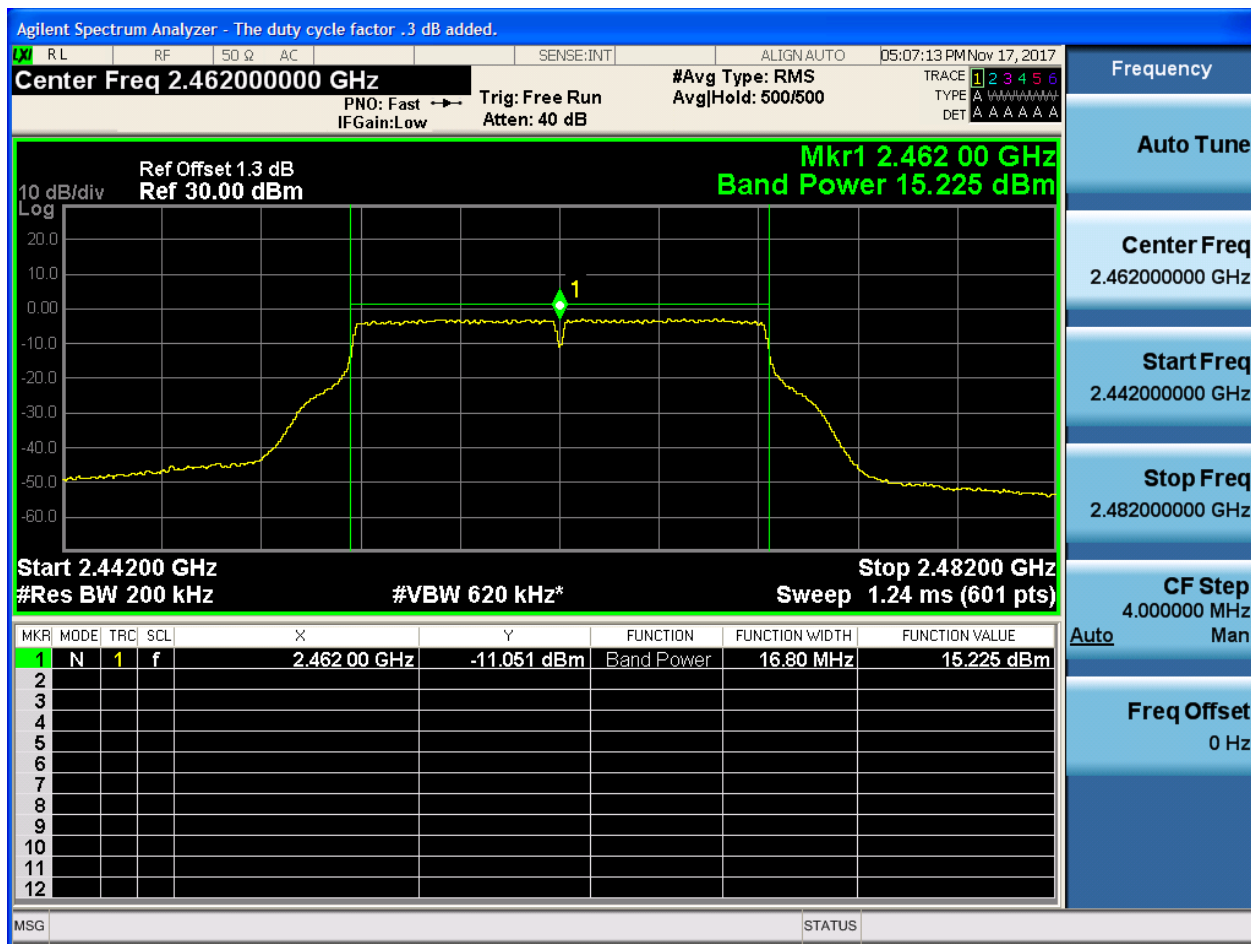


2.28 11G CDD__M@Ant 2



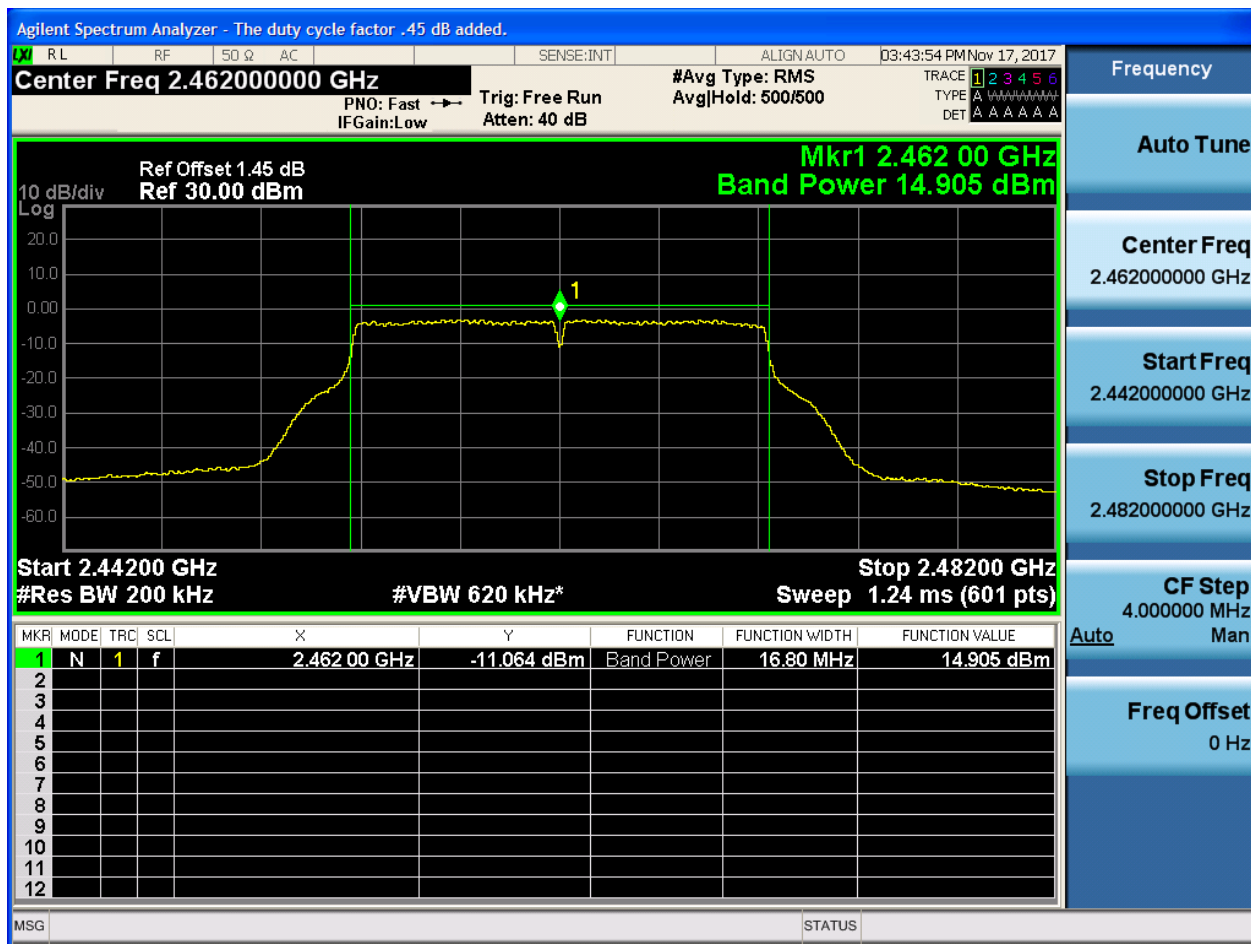


2.29 11G CDD__H@Ant 1





2.30 11G CDD__H@Ant 2



Appendix E: Maximum Power Spectral Density Level

Part I - Test Results

Test Mode	Test Channel	Frequency [MHz]	Ant	Duty Cycle [%]	PSD [dBm/10kHz]	Verdict
11B	L	2412	Ant 1	99.00	-7.11	pass
11B	L	2412	Ant 2	99.00	-6.57	pass
11B	M	2437	Ant 1	99.00	-6.79	pass
11B	M	2437	Ant 2	99.00	-7.03	pass
11B	H	2462	Ant 1	99.00	-6.39	pass
11B	H	2462	Ant 2	99.00	-6.82	pass
11G	L	2412	Ant 1	93.00	-11.91	pass
11G	L	2412	Ant 2	93.00	-12.96	pass
11G	M	2437	Ant 1	93.00	-11.57	pass
11G	M	2437	Ant 2	93.00	-12.87	pass
11G	H	2462	Ant 1	93.00	-11.69	pass
11G	H	2462	Ant 2	93.00	-12.12	pass
11N20	L	2412	Ant 1	93.00	-15.18	pass
11N20	L	2412	Ant 2	93.00	-16.6	pass
11N20	M	2437	Ant 1	93.00	-14.67	pass

Test Mode	Test Channel	Frequency [MHz]	Ant	Duty Cycle [%]	PSD [dBm/10kHz]	Verdict
11N20	M	2437	Ant 2	93.00	-15.78	pass
11N20	H	2462	Ant 1	93.00	-15.41	pass
11N20	H	2462	Ant 2	93.00	-16.04	pass
11N20m	L	2412	Ant 1	86.18	-16.26	pass
11N20m	L	2412	Ant 2	87.00	-14.64	pass
11N20m	L	2412	SUM	---	-12.36	pass
11N20m	M	2437	Ant 1	86.18	-15.19	pass
11N20m	M	2437	Ant 2	87.00	-14.32	pass
11N20m	M	2437	SUM	---	-11.72	pass
11N20m	H	2462	Ant 1	86.18	-15.35	pass
11N20m	H	2462	Ant 2	87.00	-15.58	pass
11N20m	H	2462	SUM	---	-12.45	pass
11G CDD	L	2412	Ant 1	93.22	-13.16	pass
11G CDD	L	2412	Ant 2	90.00	-13.12	pass
11G CDD	L	2412	SUM	---	-10.13	pass
11G CDD	M	2437	Ant 1	93.22	-11.92	pass
11G CDD	M	2437	Ant 2	90.00	-12.72	pass

Test Mode	Test Channel	Frequency [MHz]	Ant	Duty Cycle [%]	PSD [dBm/10kHz]	Verdict
11G CDD	M	2437	SUM	---	-9.29	pass
11G CDD	H	2462	Ant 1	93.22	-12.74	pass
11G CDD	H	2462	Ant 2	90.00	-12.24	pass
11G CDD	H	2462	SUM	---	-9.47	pass