



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	7.09	pass
11B	L	2412	Ant 2	7.10	pass
11B	M	2437	Ant 1	7.13	pass
11B	M	2437	Ant 2	7.11	pass
11B	H	2462	Ant 1	7.60	pass
11B	H	2462	Ant 2	7.11	pass
11G	L	2412	Ant 1	16.37	pass
11G	L	2412	Ant 2	16.36	pass
11G	M	2437	Ant 1	16.37	pass
11G	M	2437	Ant 2	16.41	pass
11G	H	2462	Ant 1	16.42	pass
11G	H	2462	Ant 2	16.40	pass
11N20	L	2412	Ant 1	17.59	pass
11N20	L	2412	Ant 2	16.70	pass
11N20	M	2437	Ant 1	17.63	pass
11N20	M	2437	Ant 2	17.64	pass
11N20	H	2462	Ant 1	17.65	pass
11N20	H	2462	Ant 2	17.63	pass
11N20m	L	2412	Ant 1	17.58	pass
11N20m	L	2412	Ant 2	17.60	pass
11N20m	M	2437	Ant 1	17.61	pass
11N20m	M	2437	Ant 2	17.66	pass
11N20m	H	2462	Ant 1	17.65	pass
11N20m	H	2462	Ant 2	17.65	pass
11G CDD	L	2412	Ant 1	16.39	pass
11G CDD	L	2412	Ant 2	16.37	pass
11G CDD	M	2437	Ant 1	16.40	pass
11G CDD	M	2437	Ant 2	16.41	pass

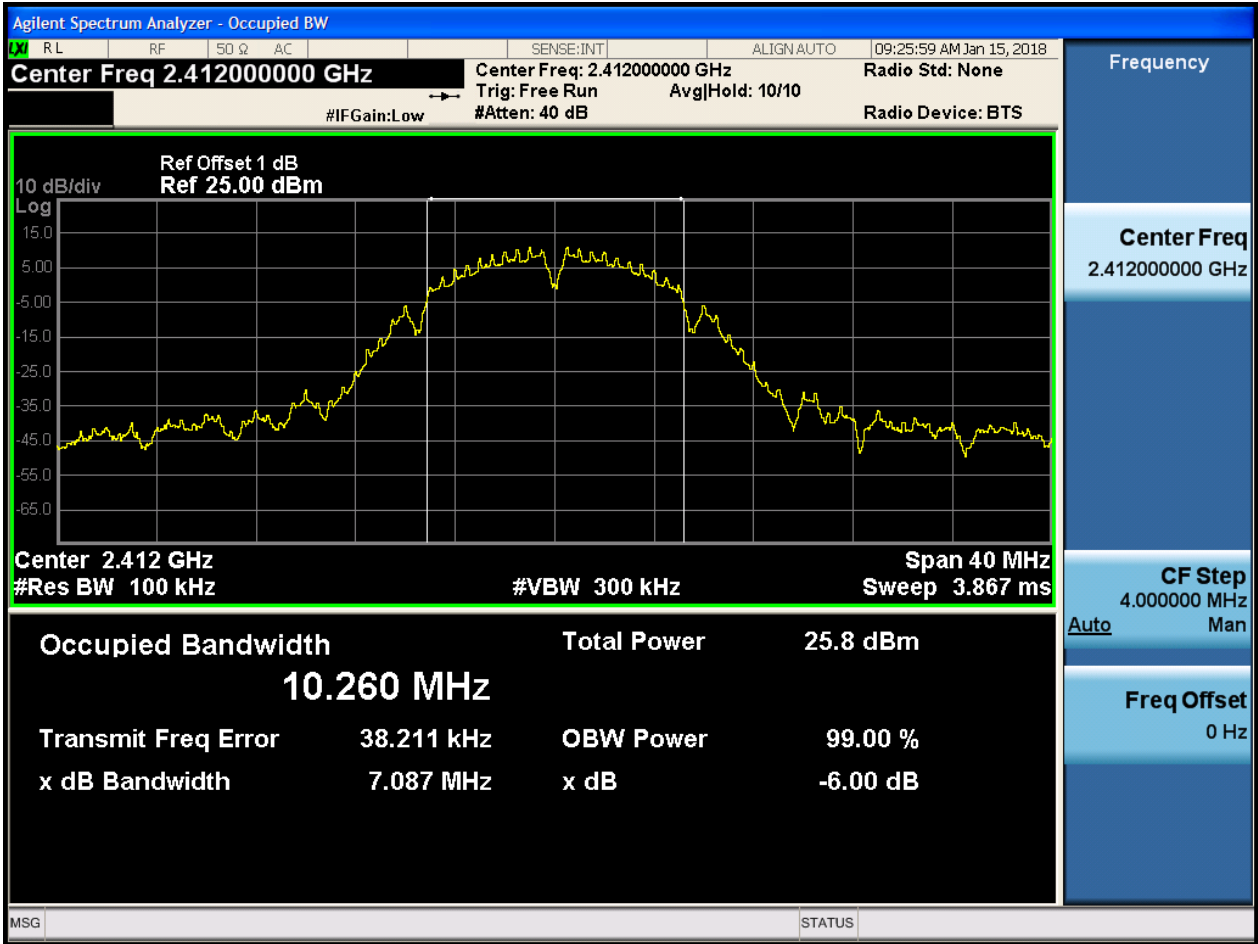


Test Mode	Test Channel	Frequency[MHz]	Ant	DTS6dBBW[MHz]	Verdict
11G CDD	H	2462	Ant 1	16.38	pass
11G CDD	H	2462	Ant 2	16.42	pass



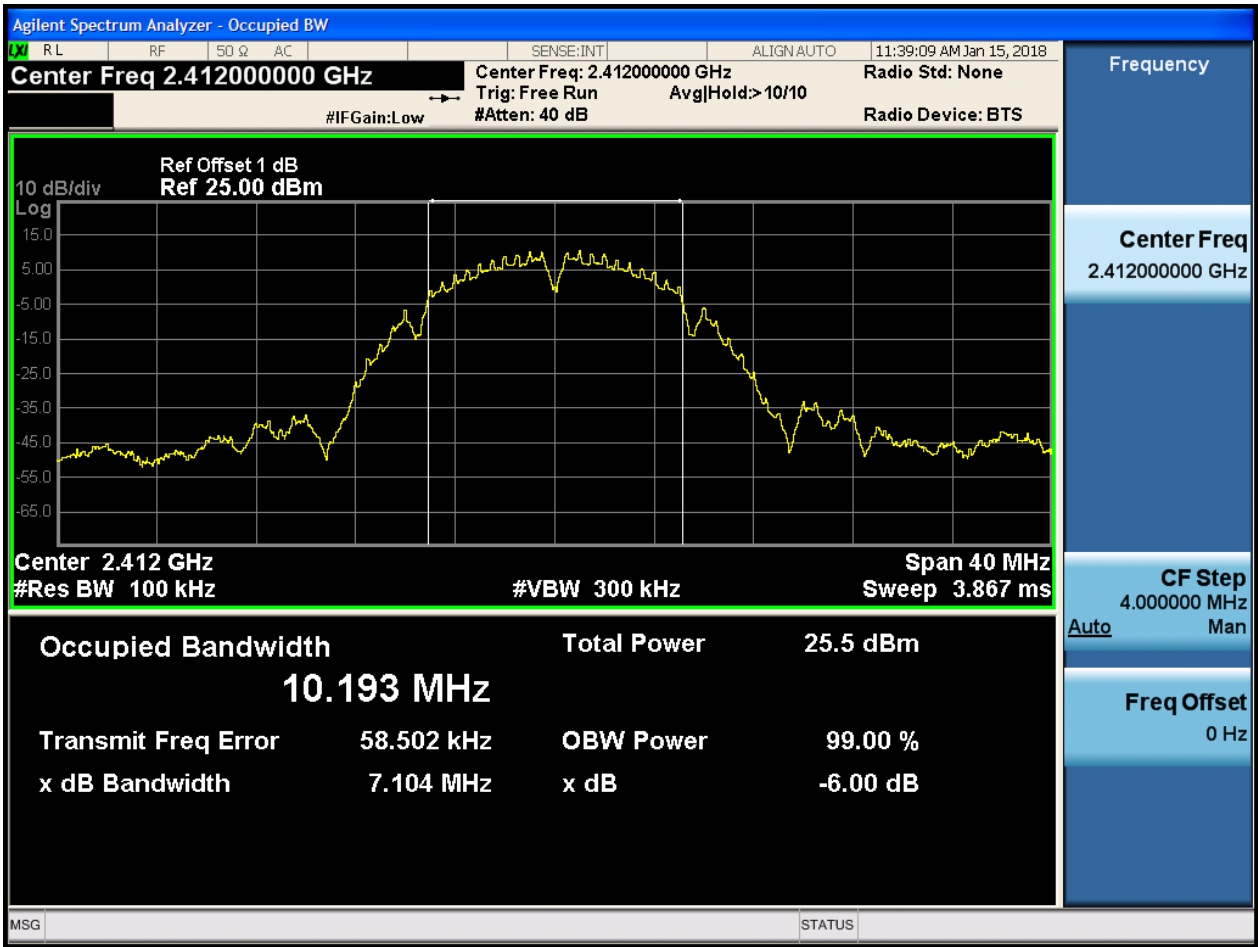
Part II - Test Plots

2.1 11B_L@Ant 1



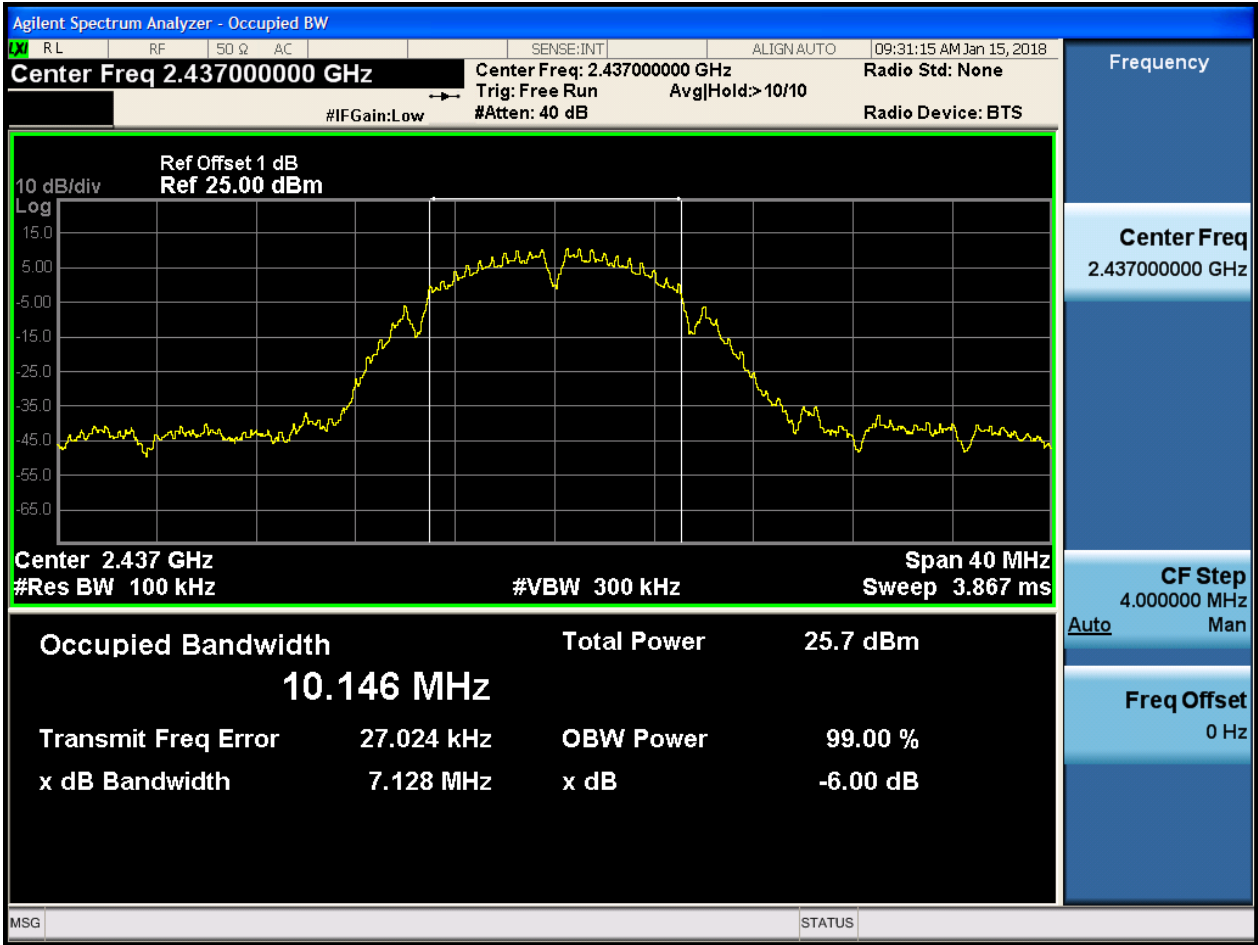


2.2 11B_L@Ant 2



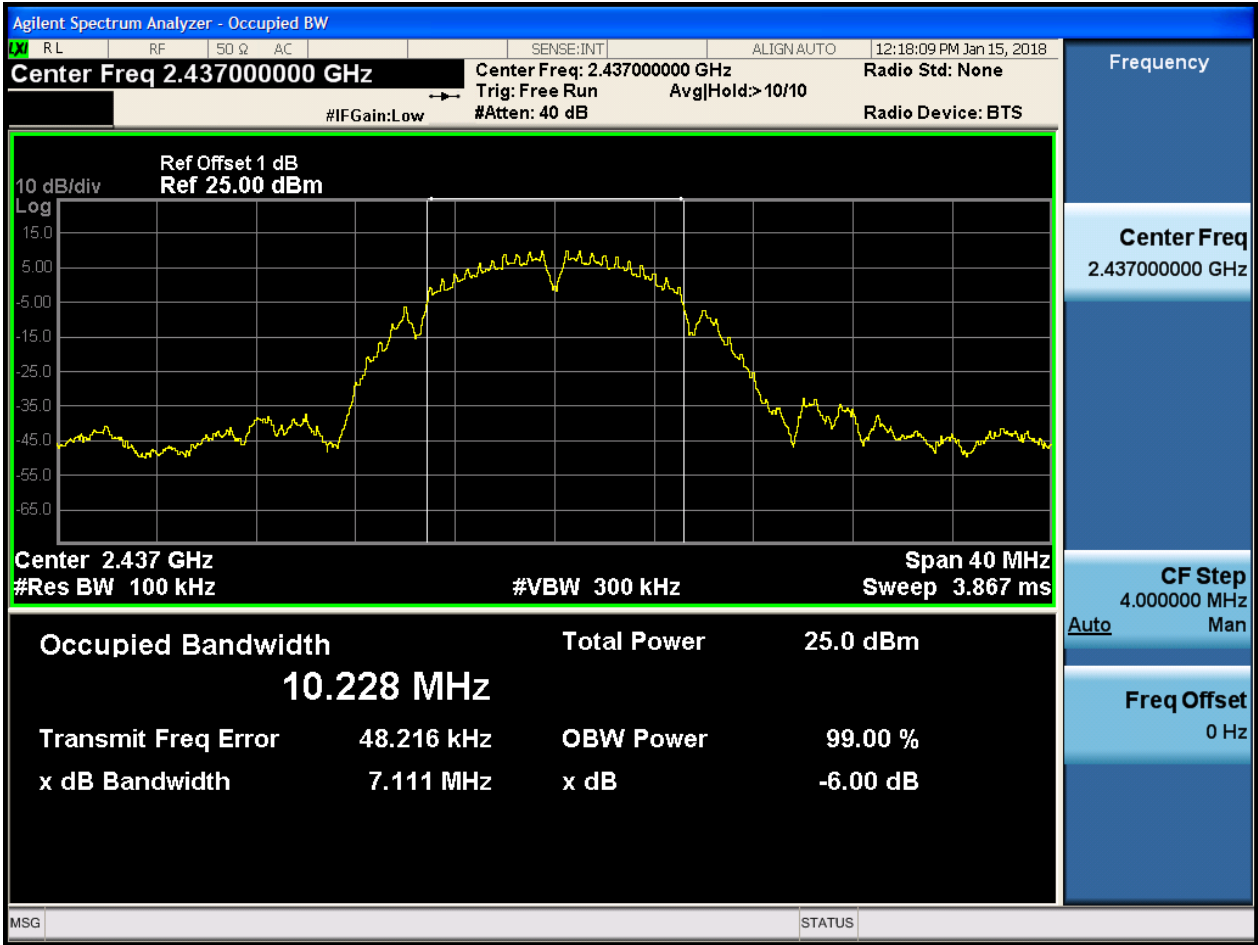


2.3 11B_M@Ant 1



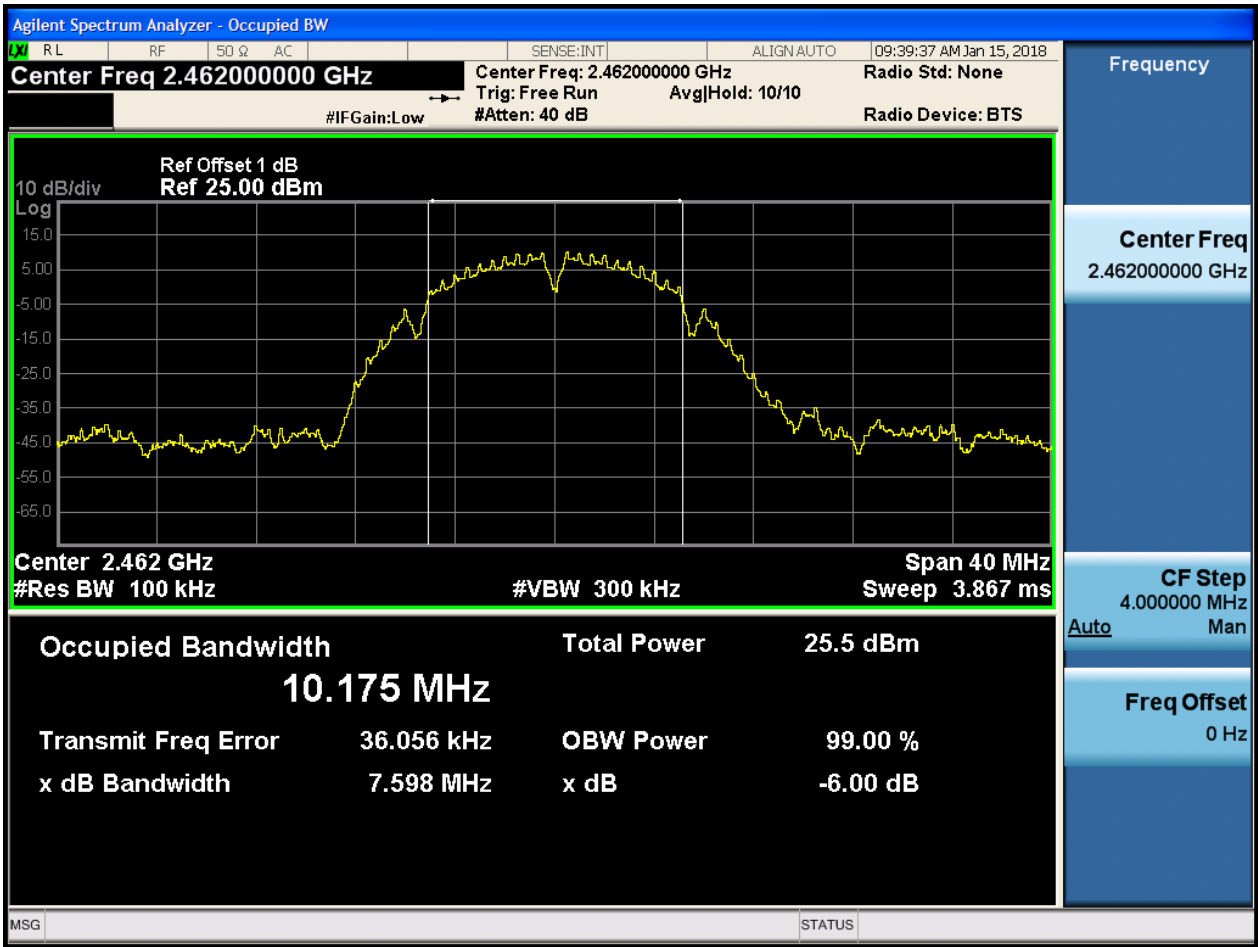


2.4 11B_M@Ant 2



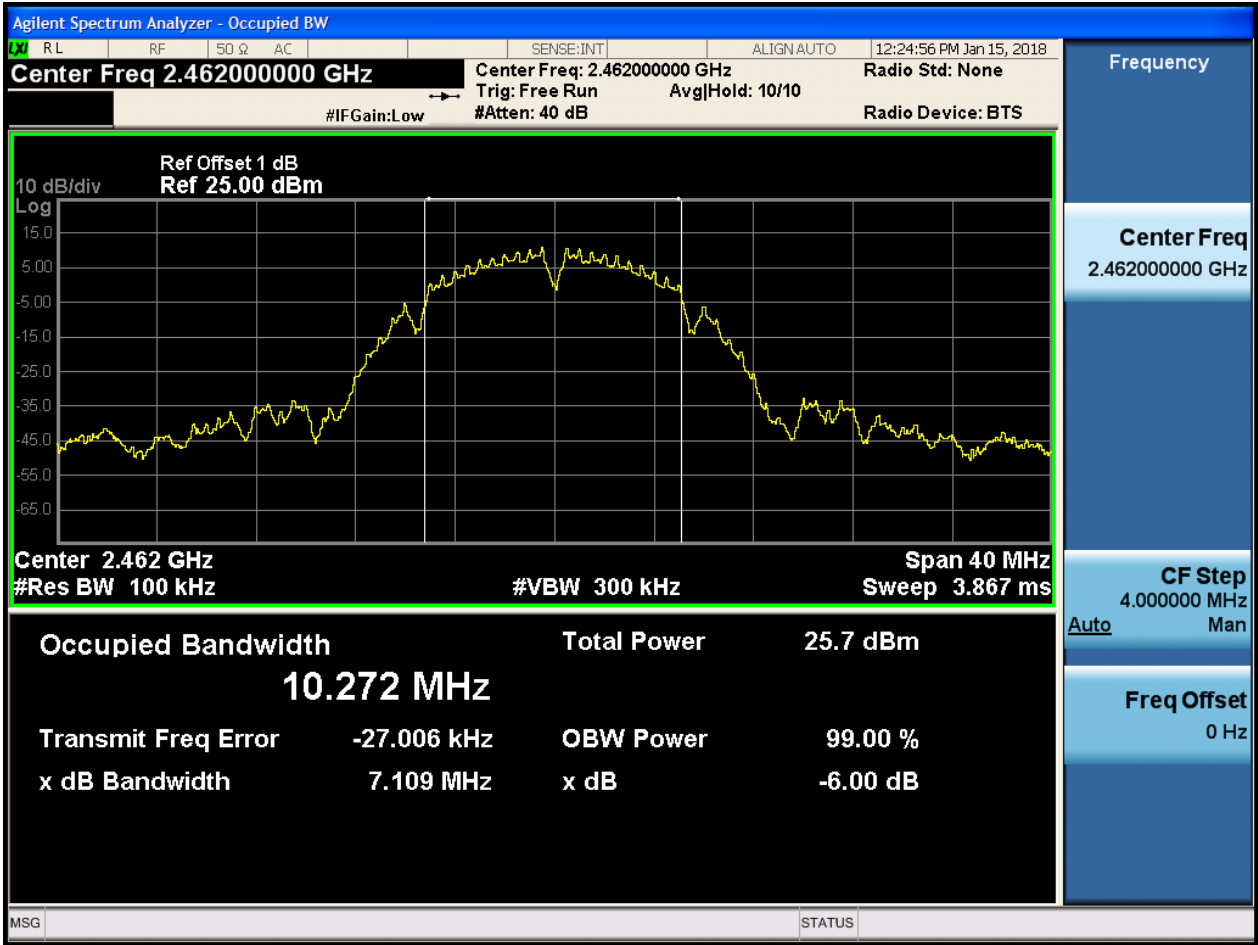


2.5 11B_H@Ant 1



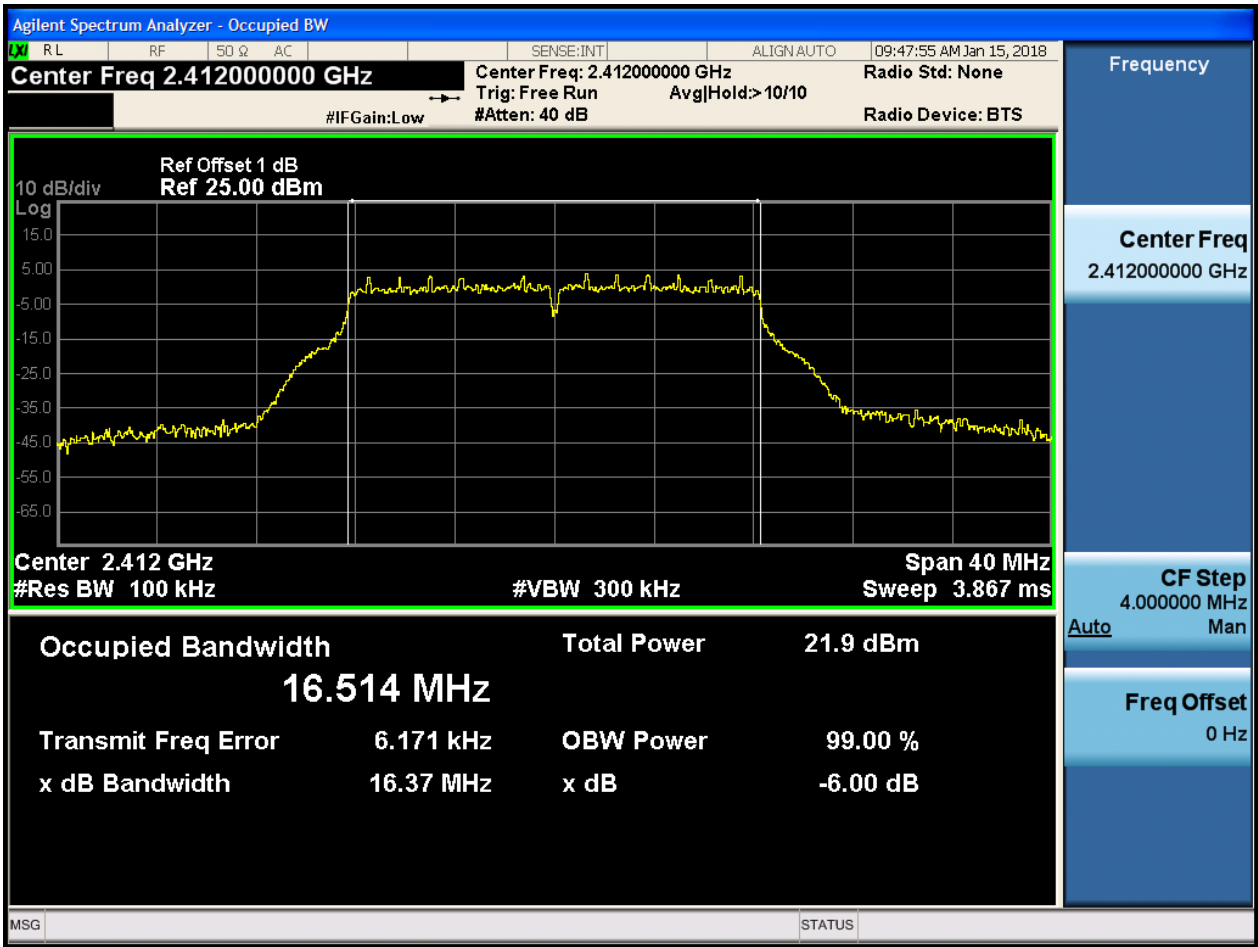


2.6 11B_H@Ant 2



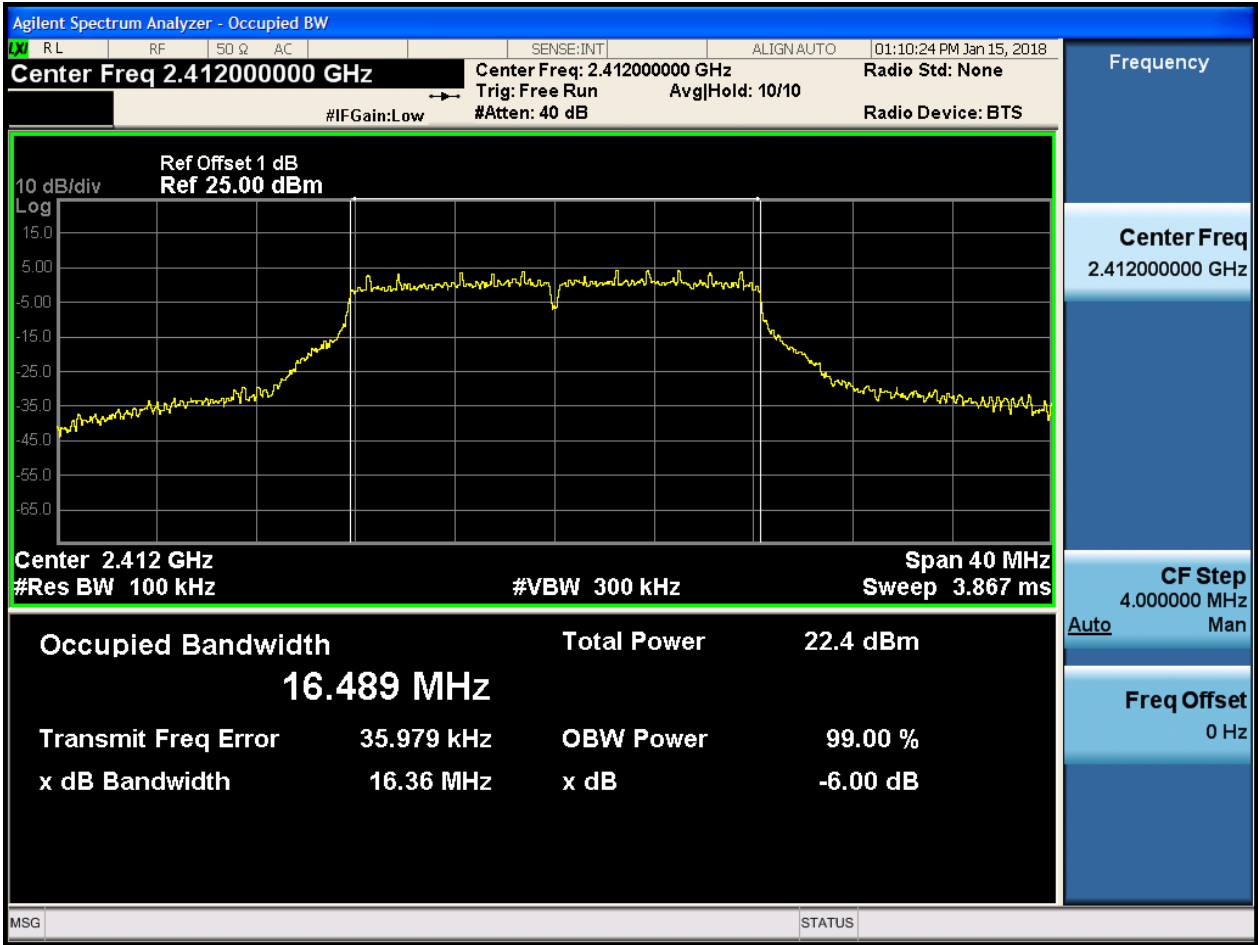


2.7 11G_L@Ant 1



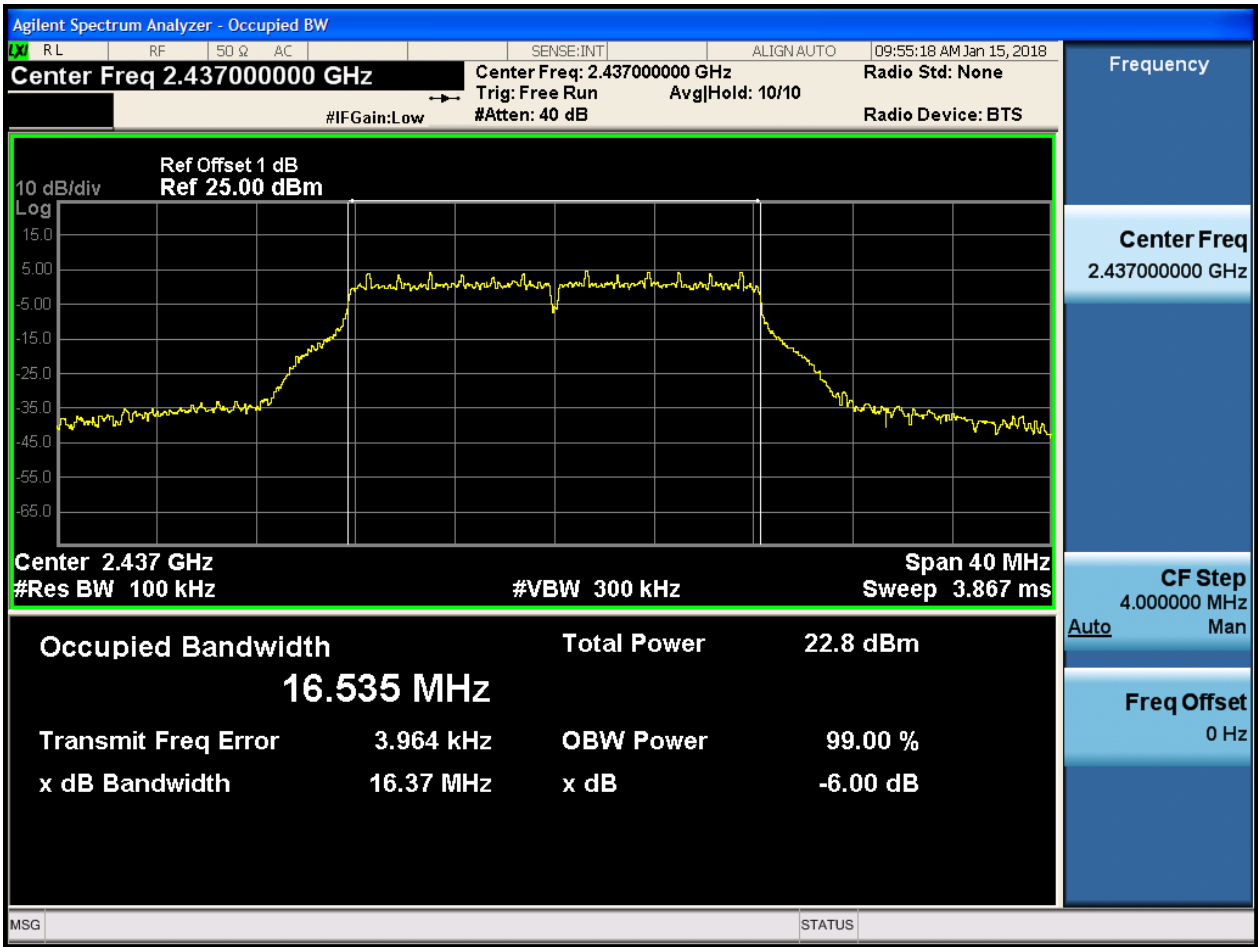


2.8 11G_L@Ant 2



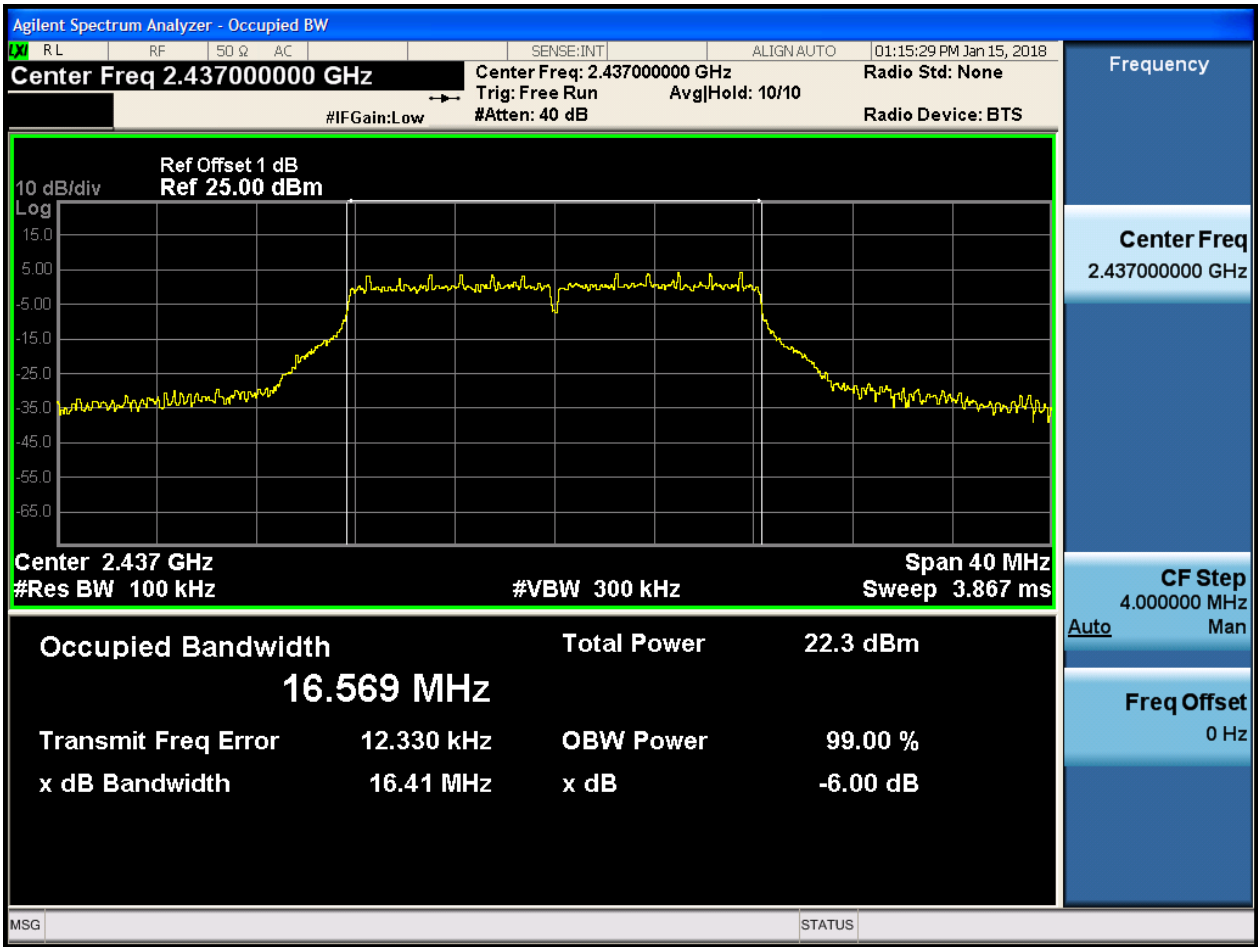


2.9 11G_M@Ant 1



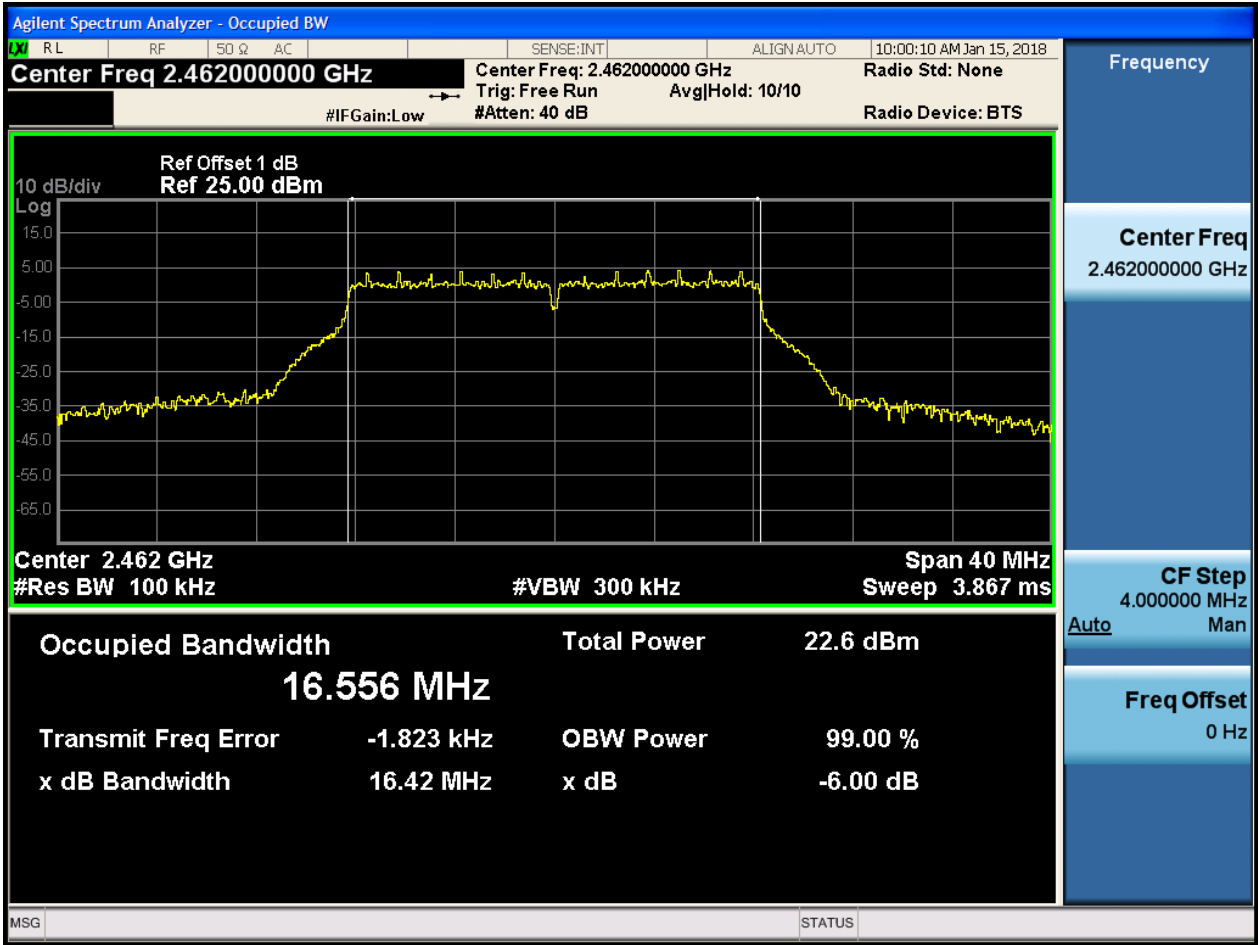


2.10 11G_M@Ant 2



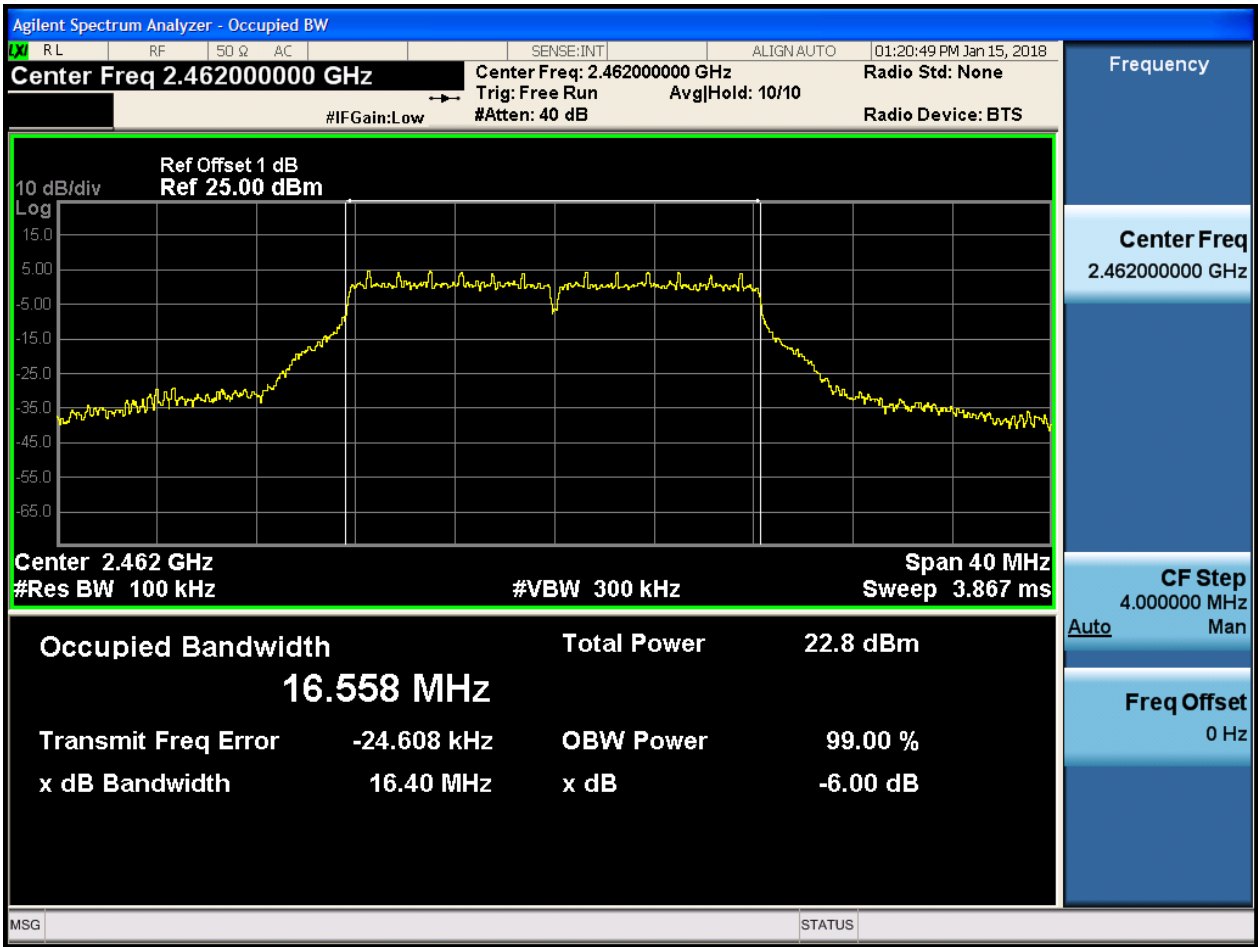


2.11 11G_H@Ant 1



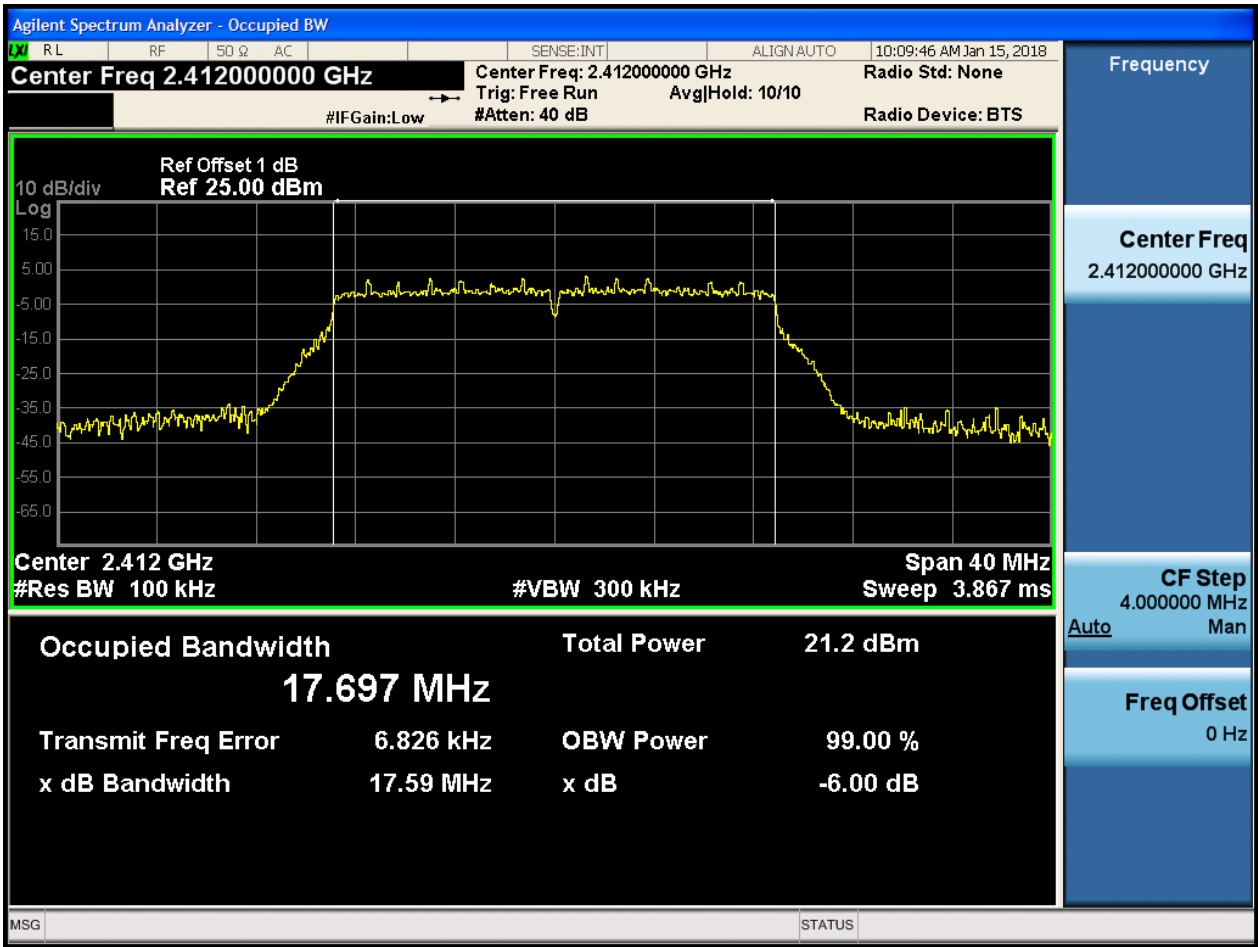


2.12 11G_H@Ant 2



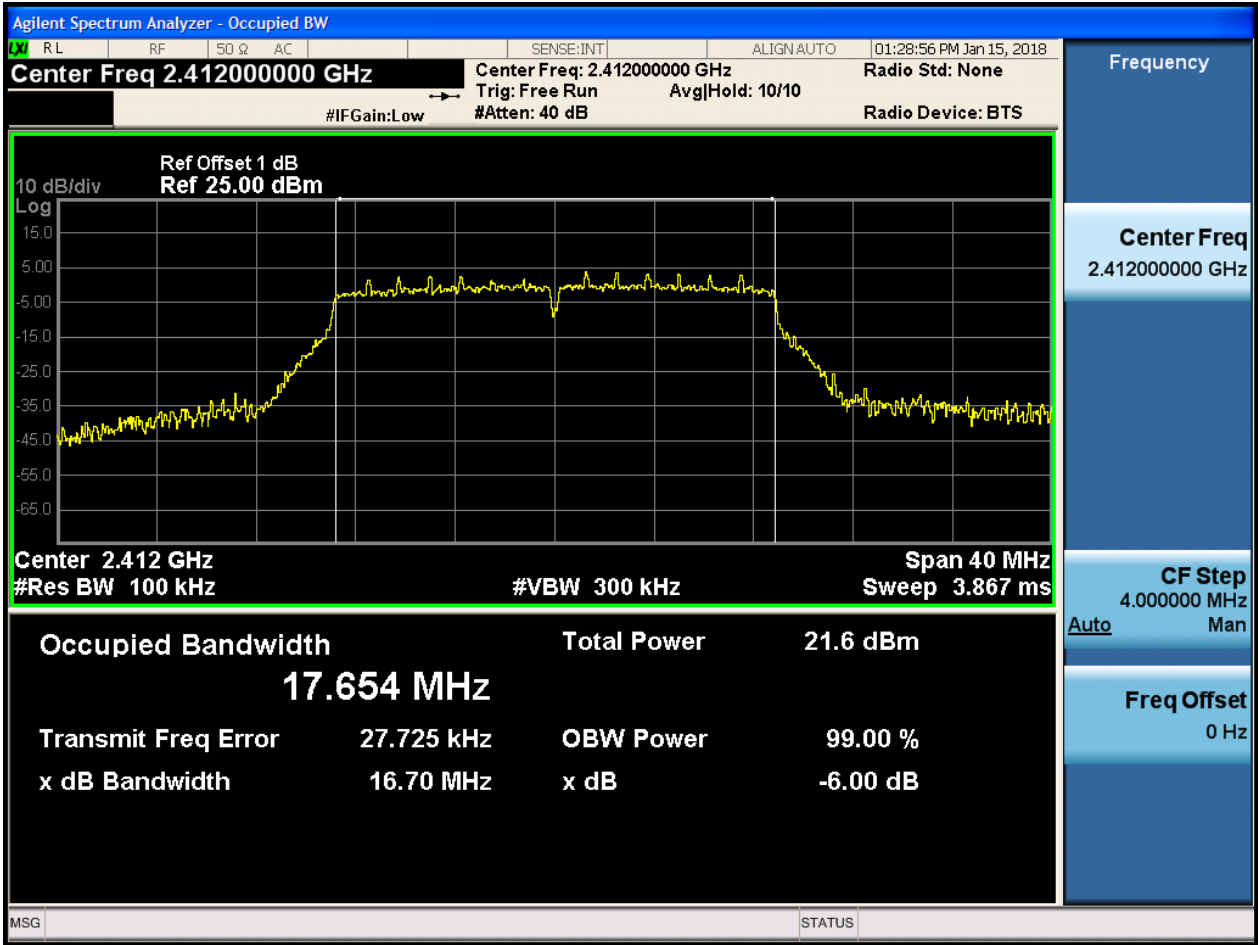


2.13 11N20_L@Ant 1



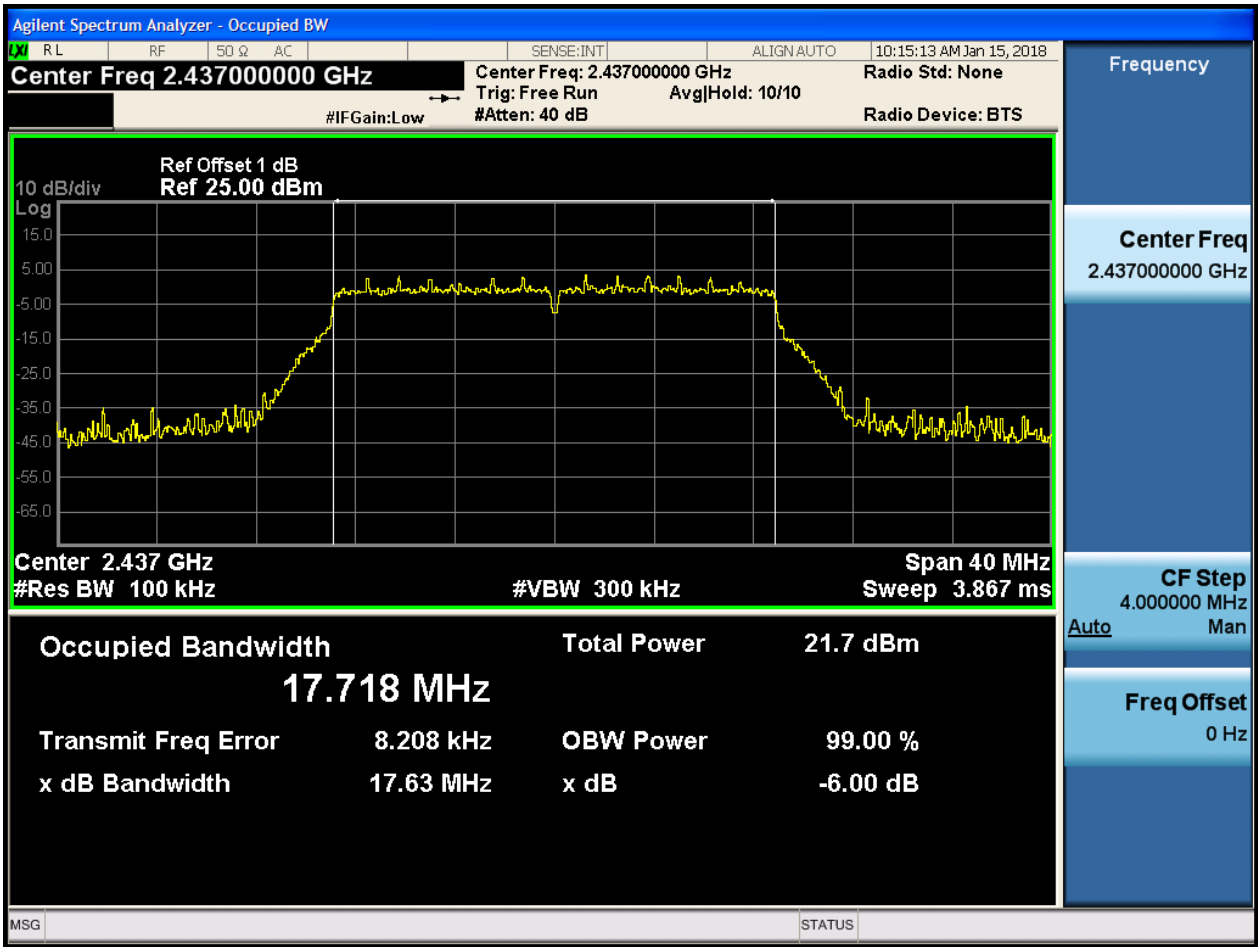


2.14 11N20_L@Ant 2



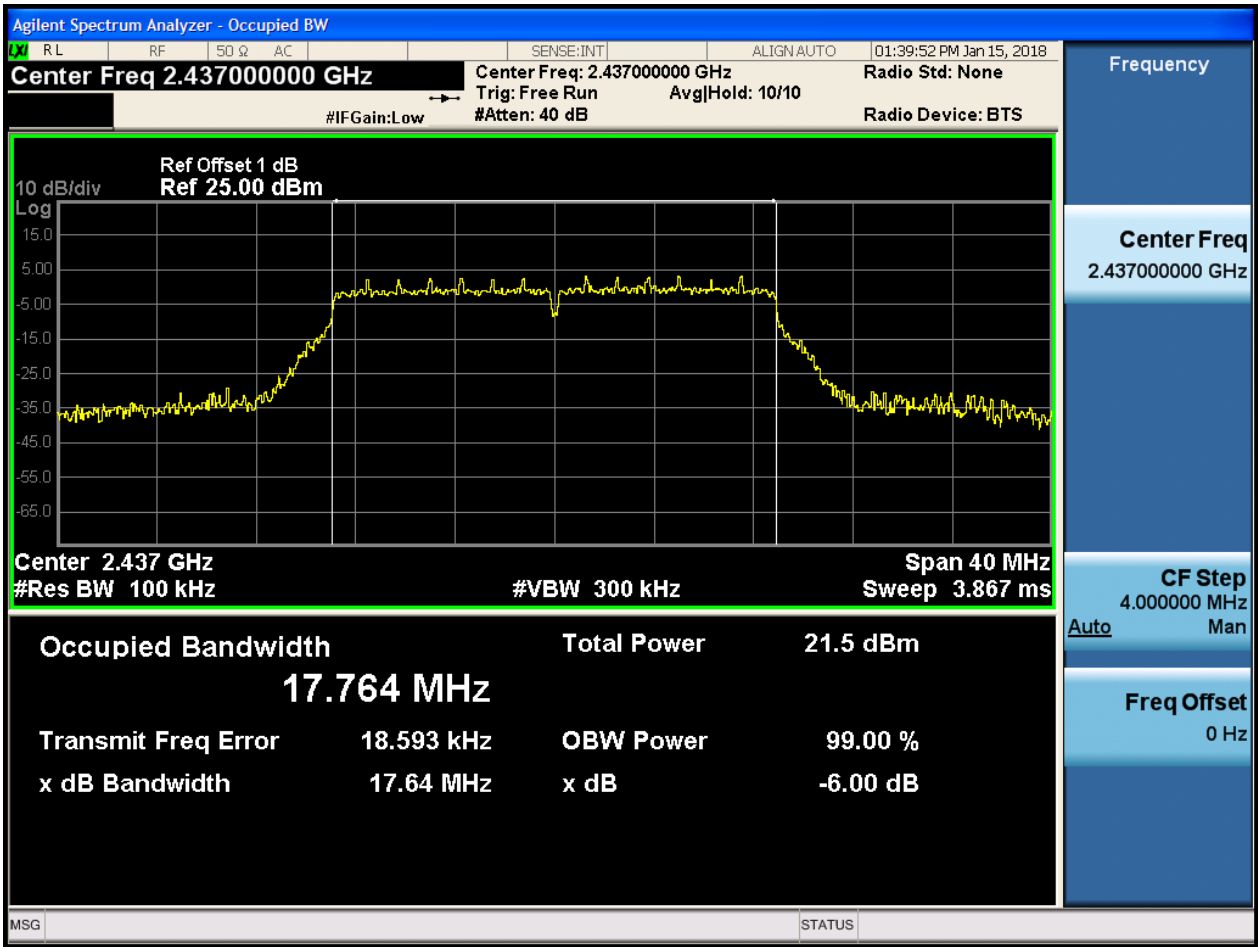


2.15 11N20_M@Ant 1



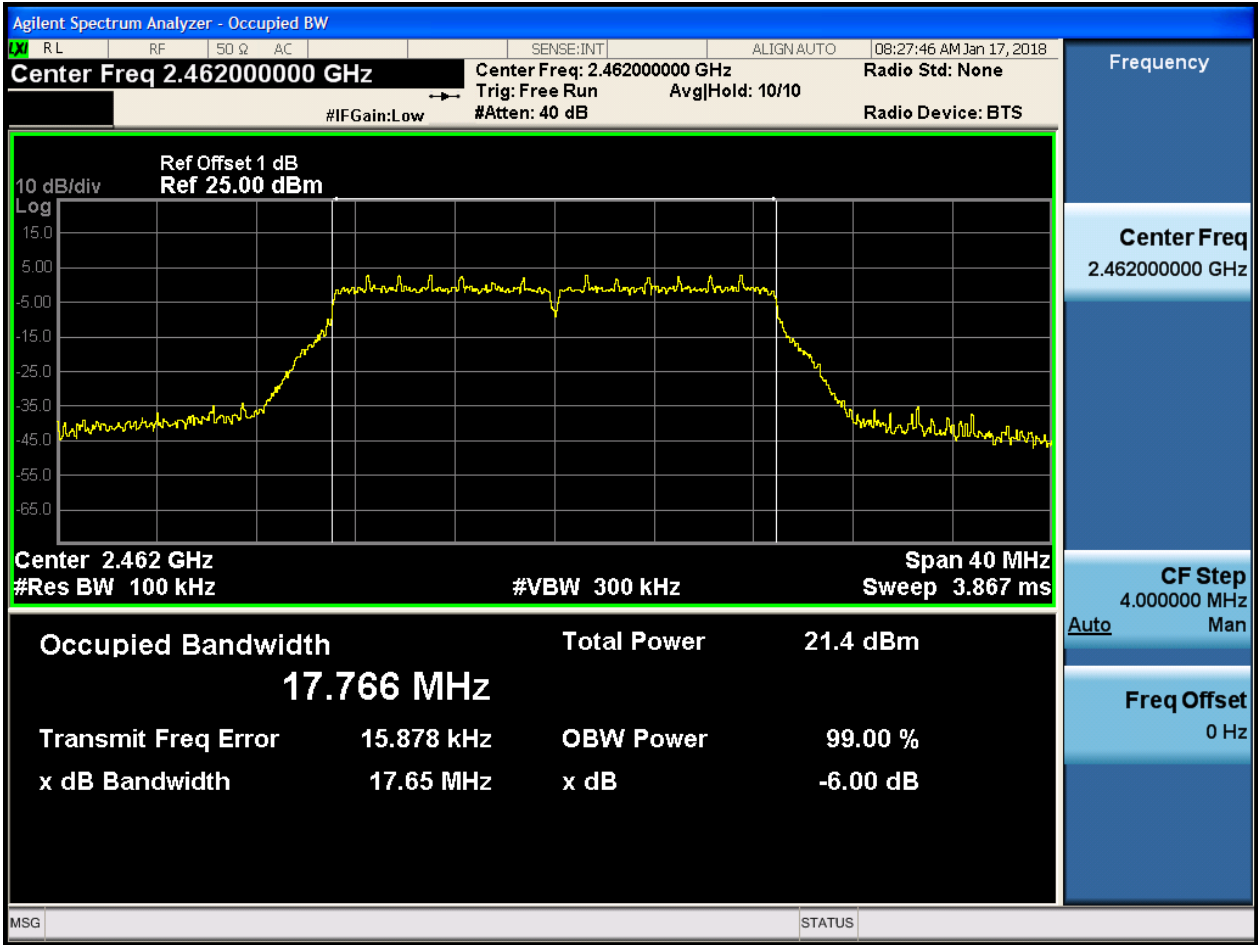


2.16 11N20_M@Ant 2



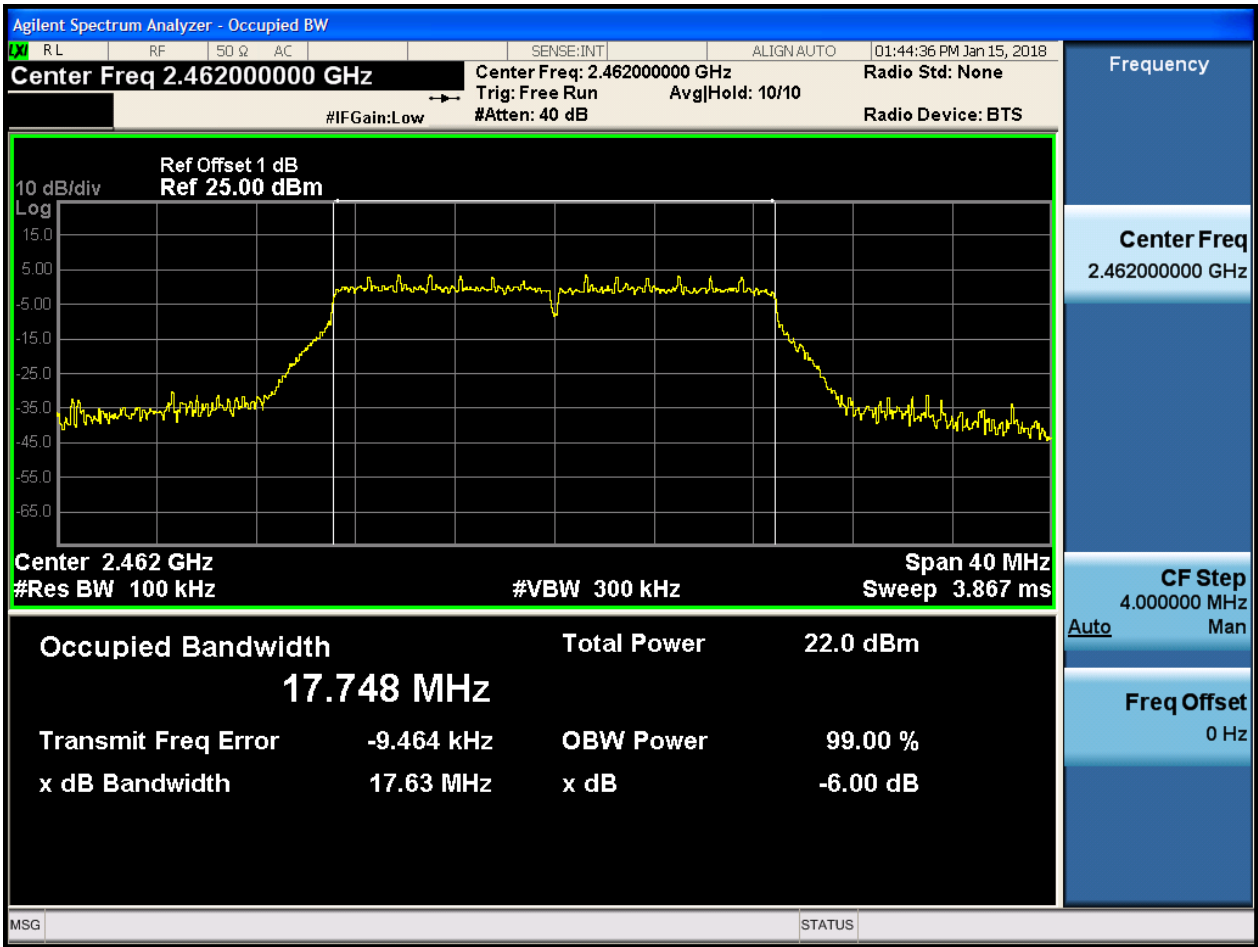


2.17 11N20_H@Ant 1



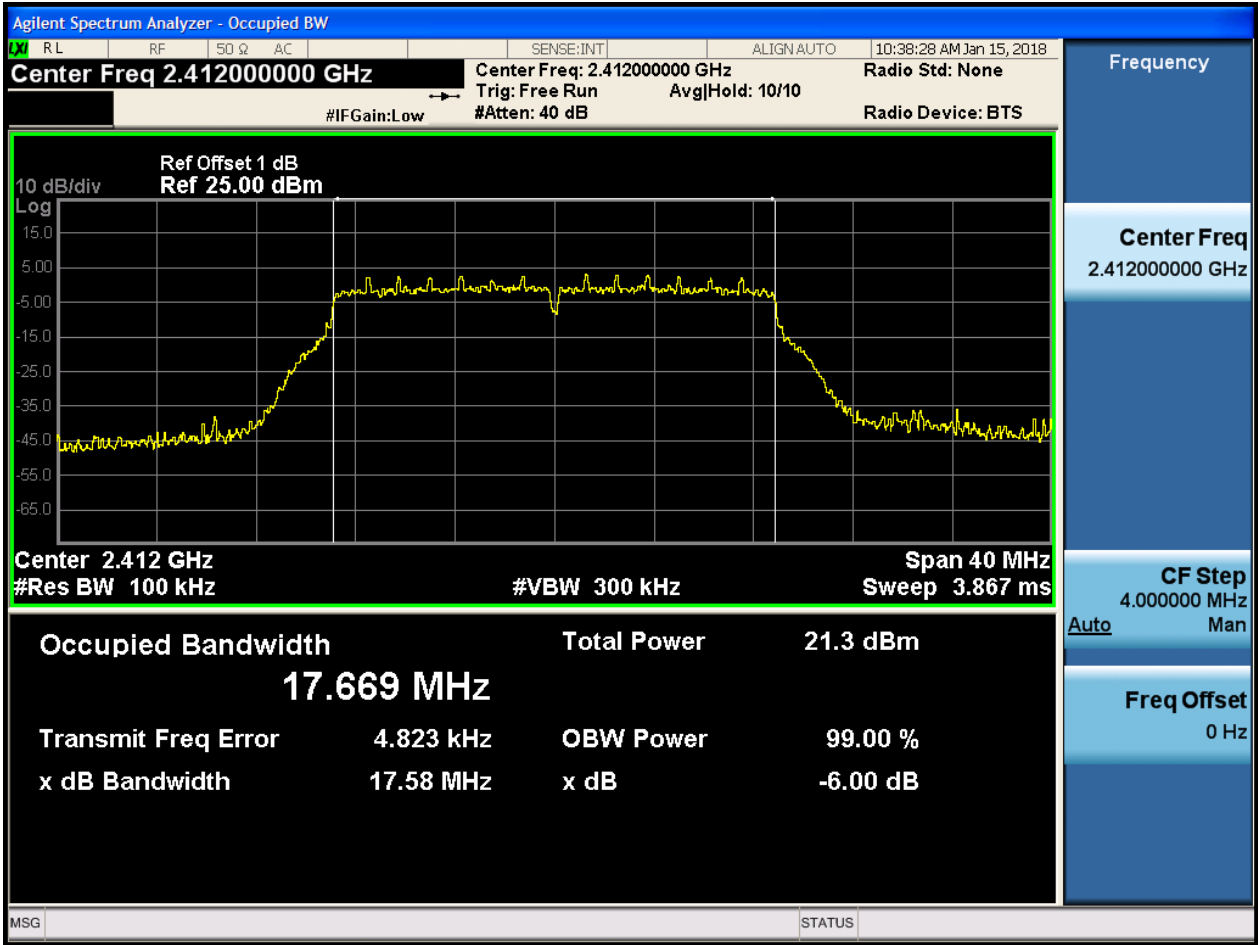


2.18 11N20_H@Ant 2



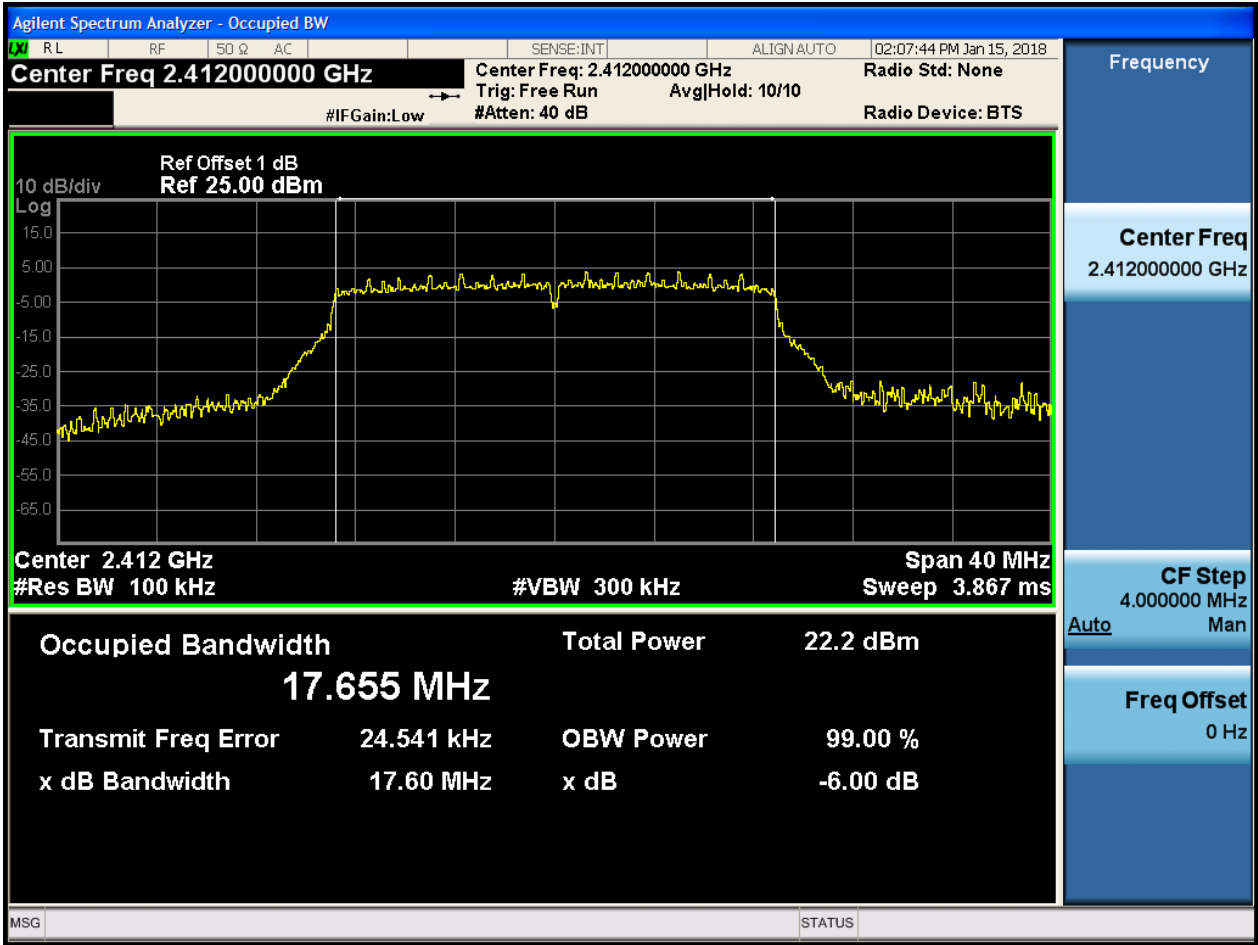


2.19 11N20m_L@Ant 1



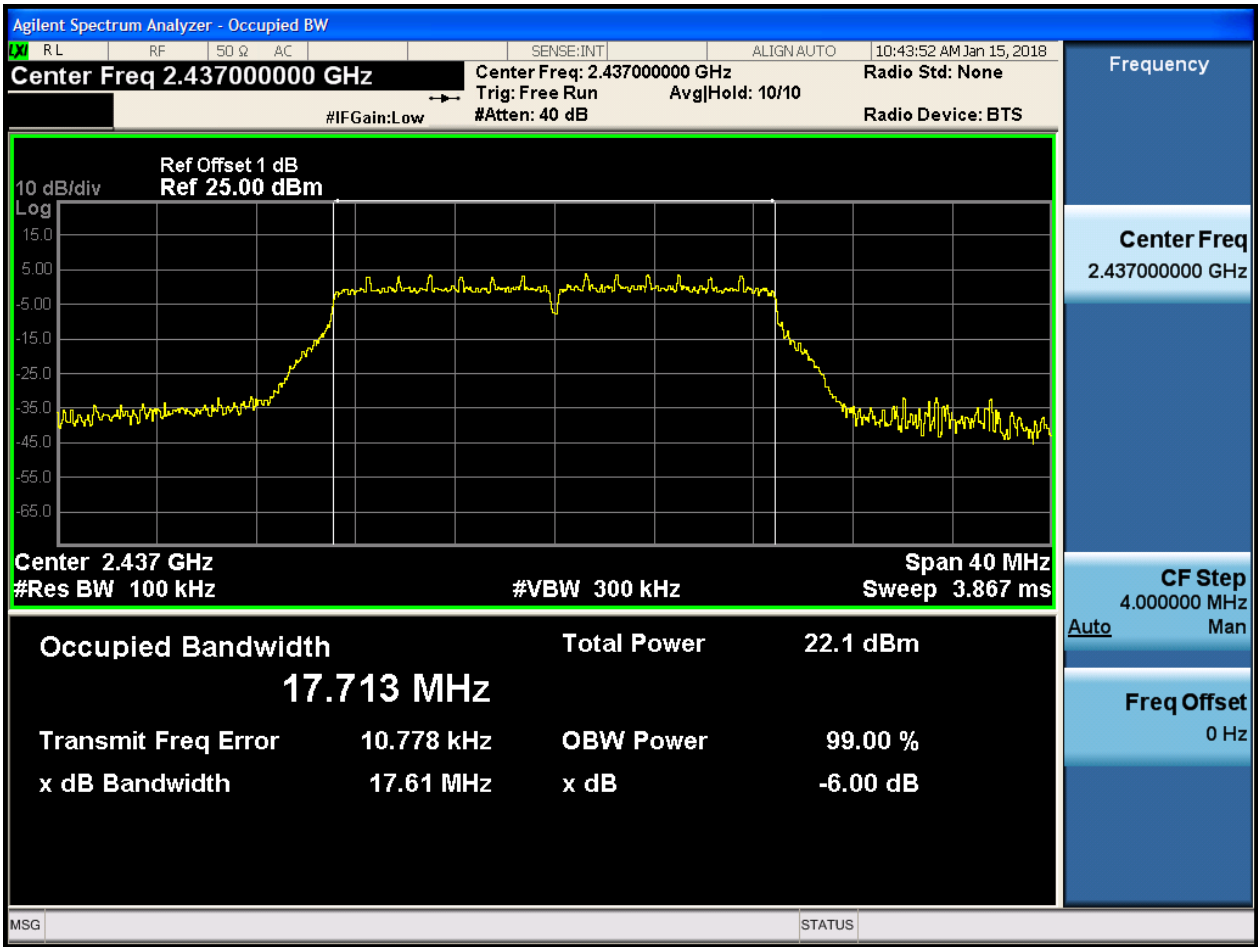


2.20 11N20m_L@Ant 2



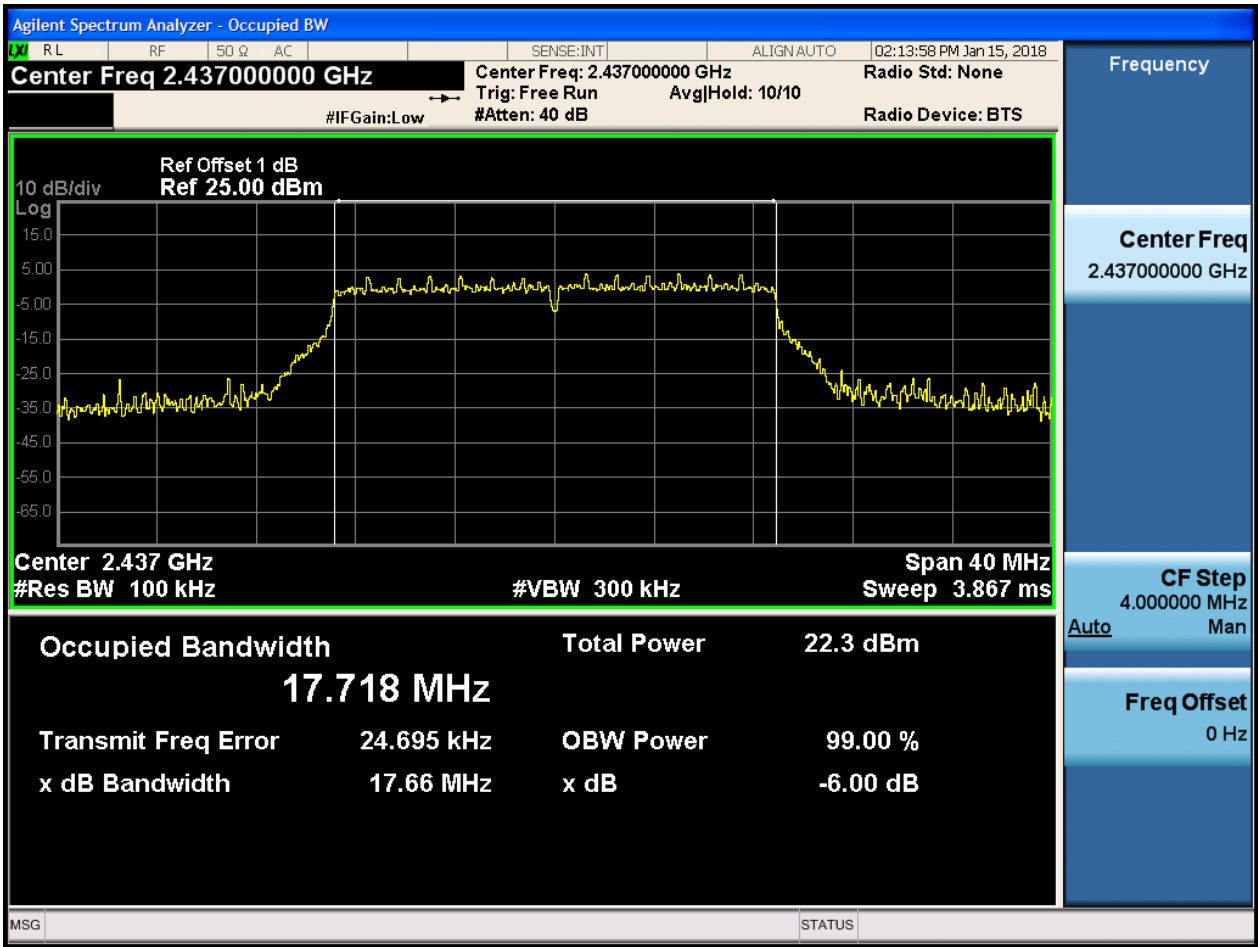


2.21 11N20m_M@Ant 1



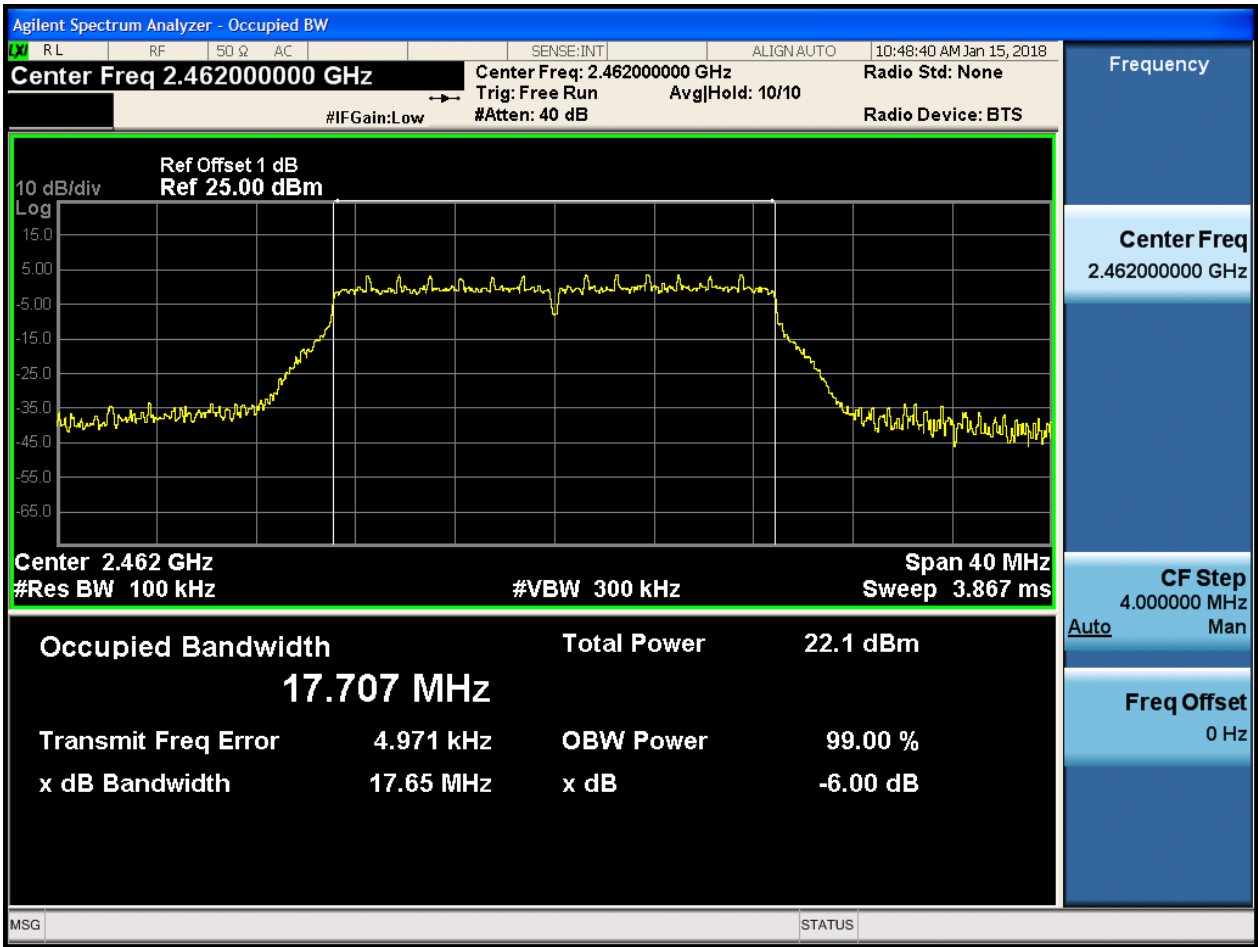


2.22 11N20m_M@Ant 2



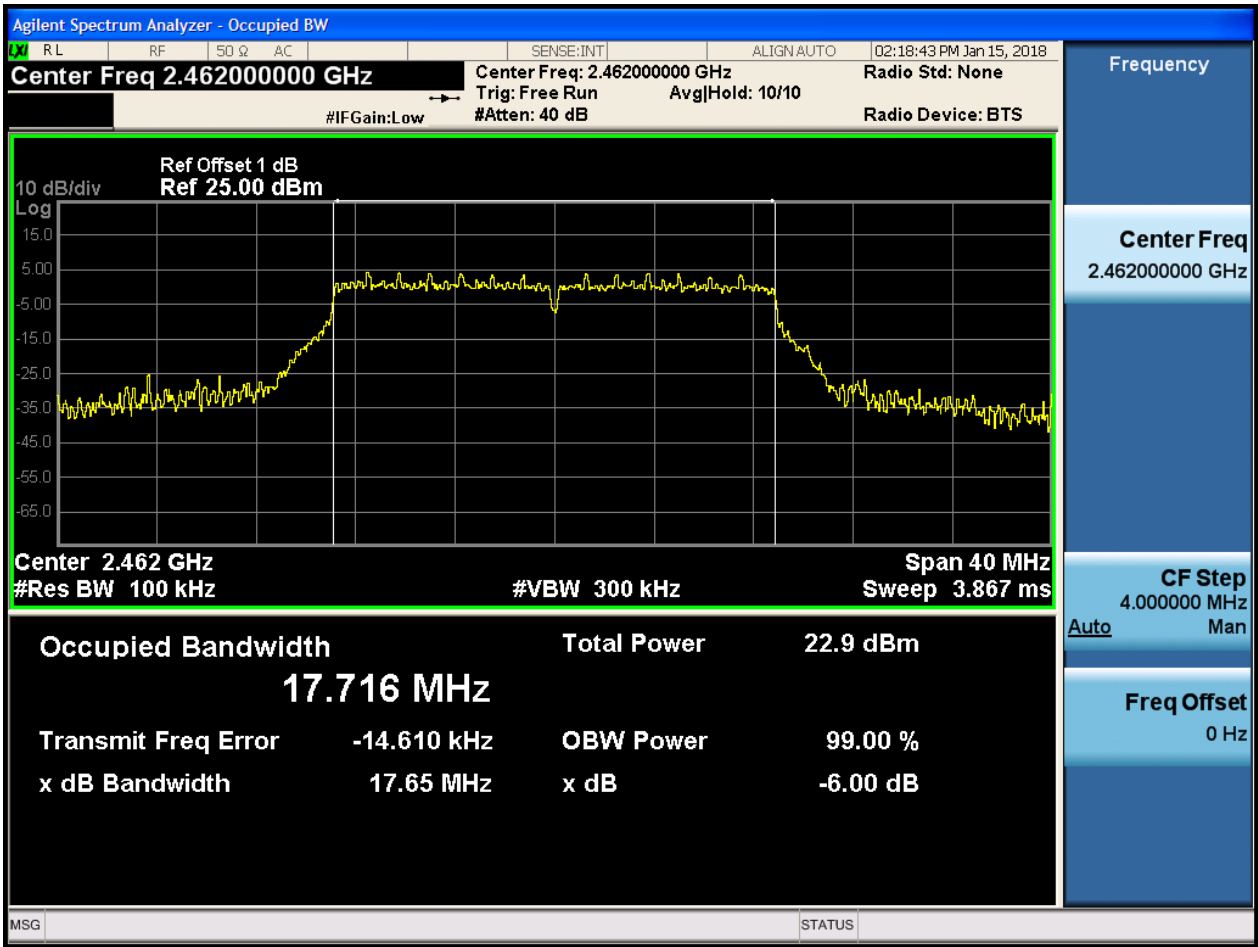


2.23 11N20m_H@Ant 1



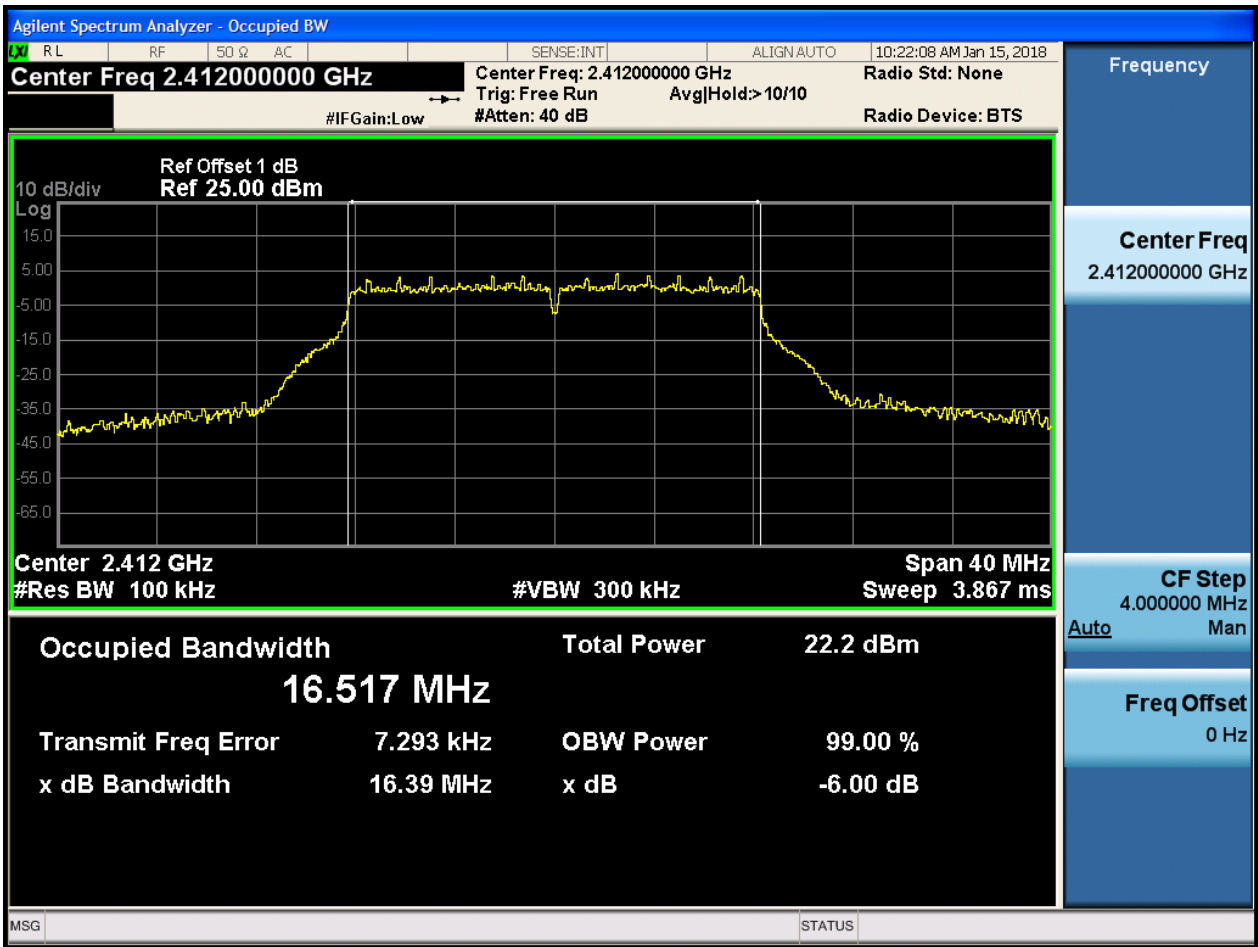


2.24 11N20m_H@Ant 2



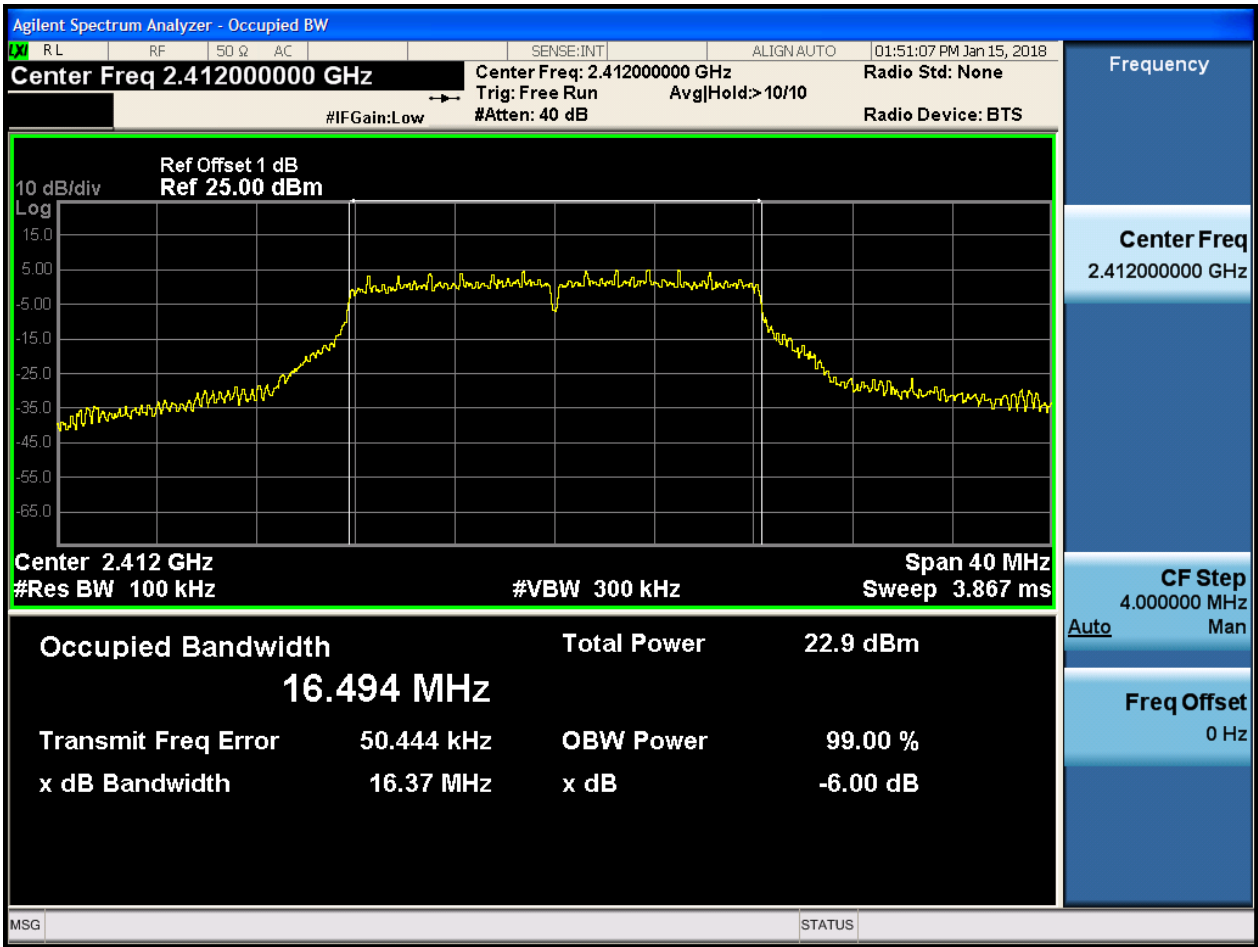


2.25 11G_CDD L@Ant 1



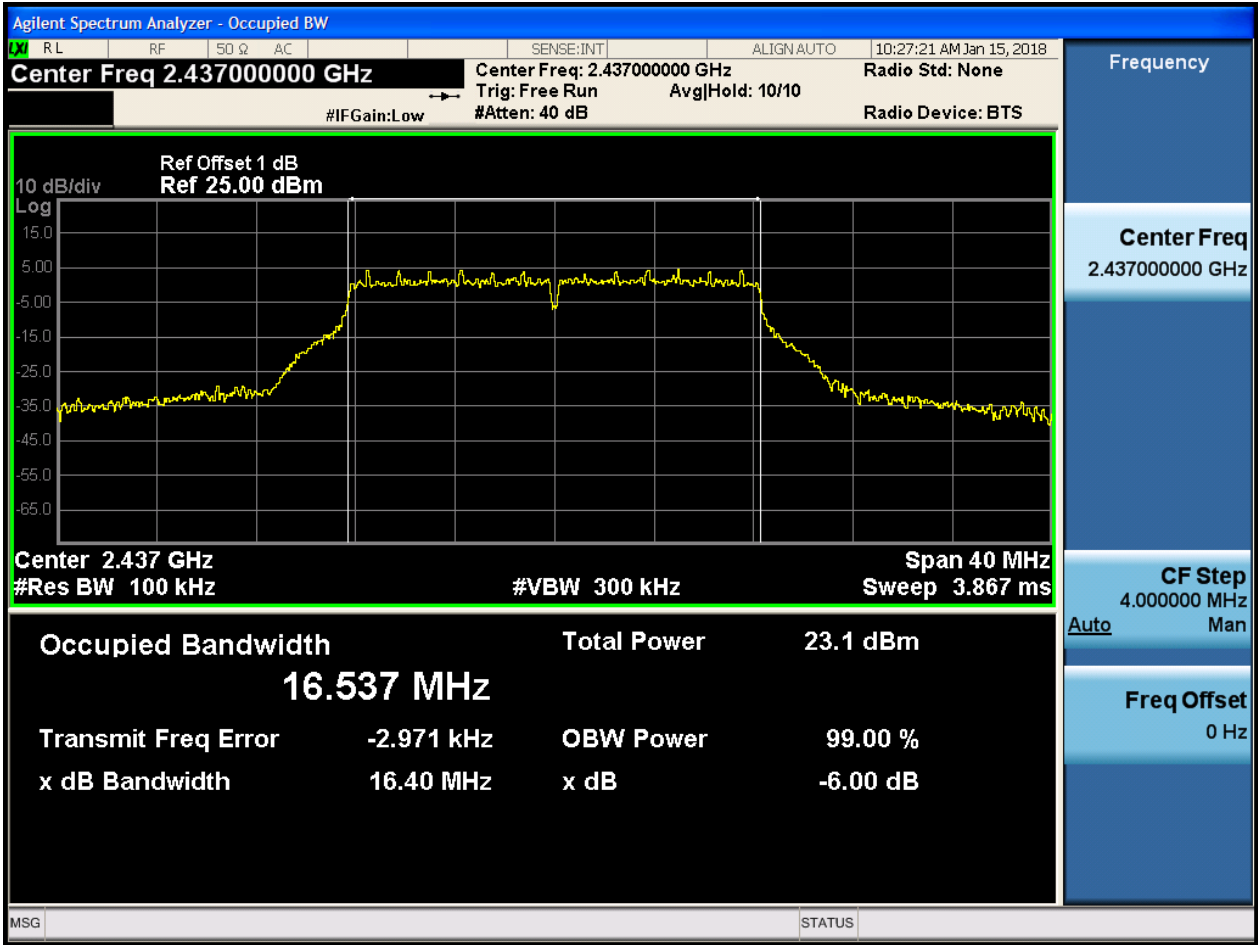


2.26 11G CDD L@Ant 2



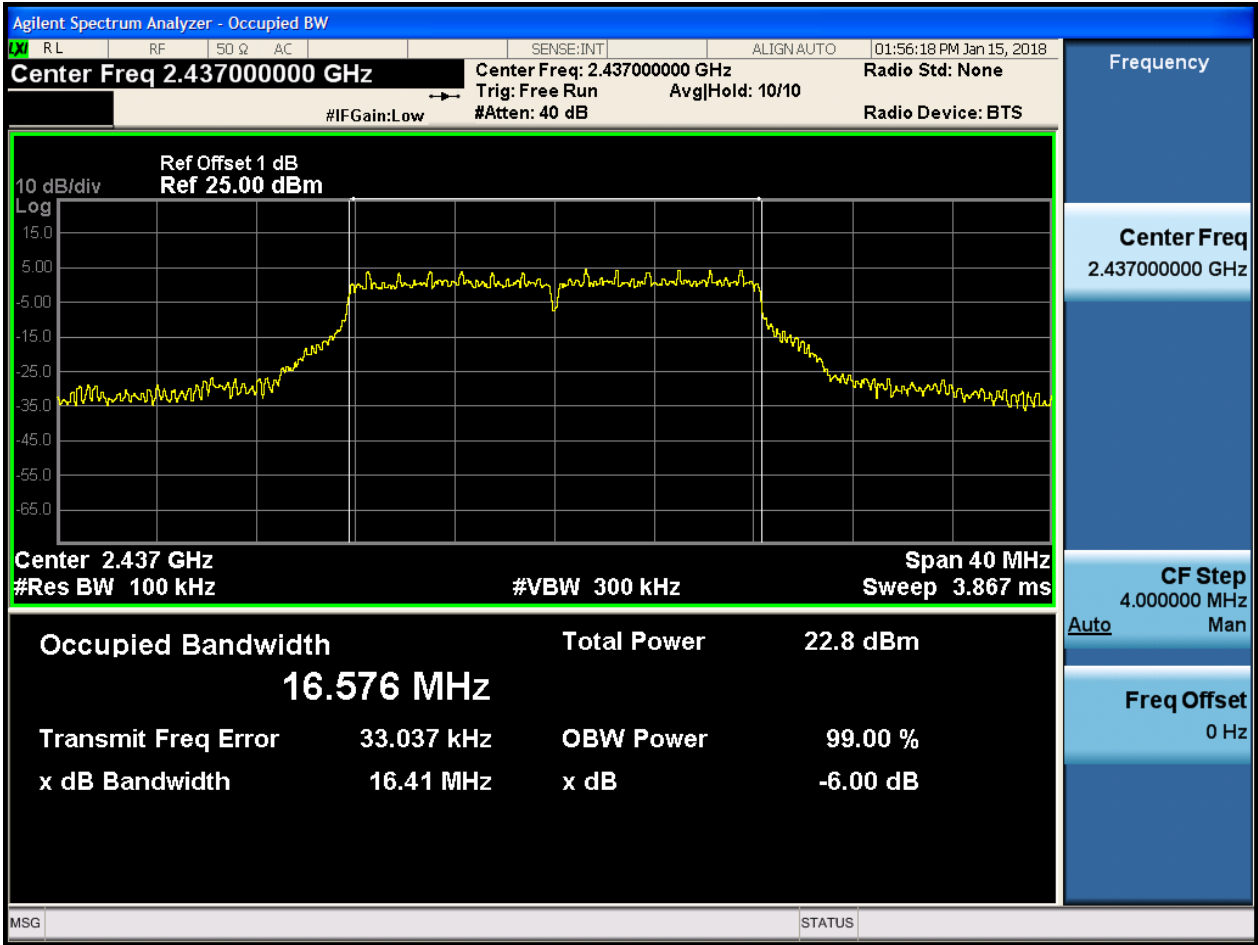


2.27 11G CDD M@Ant 1



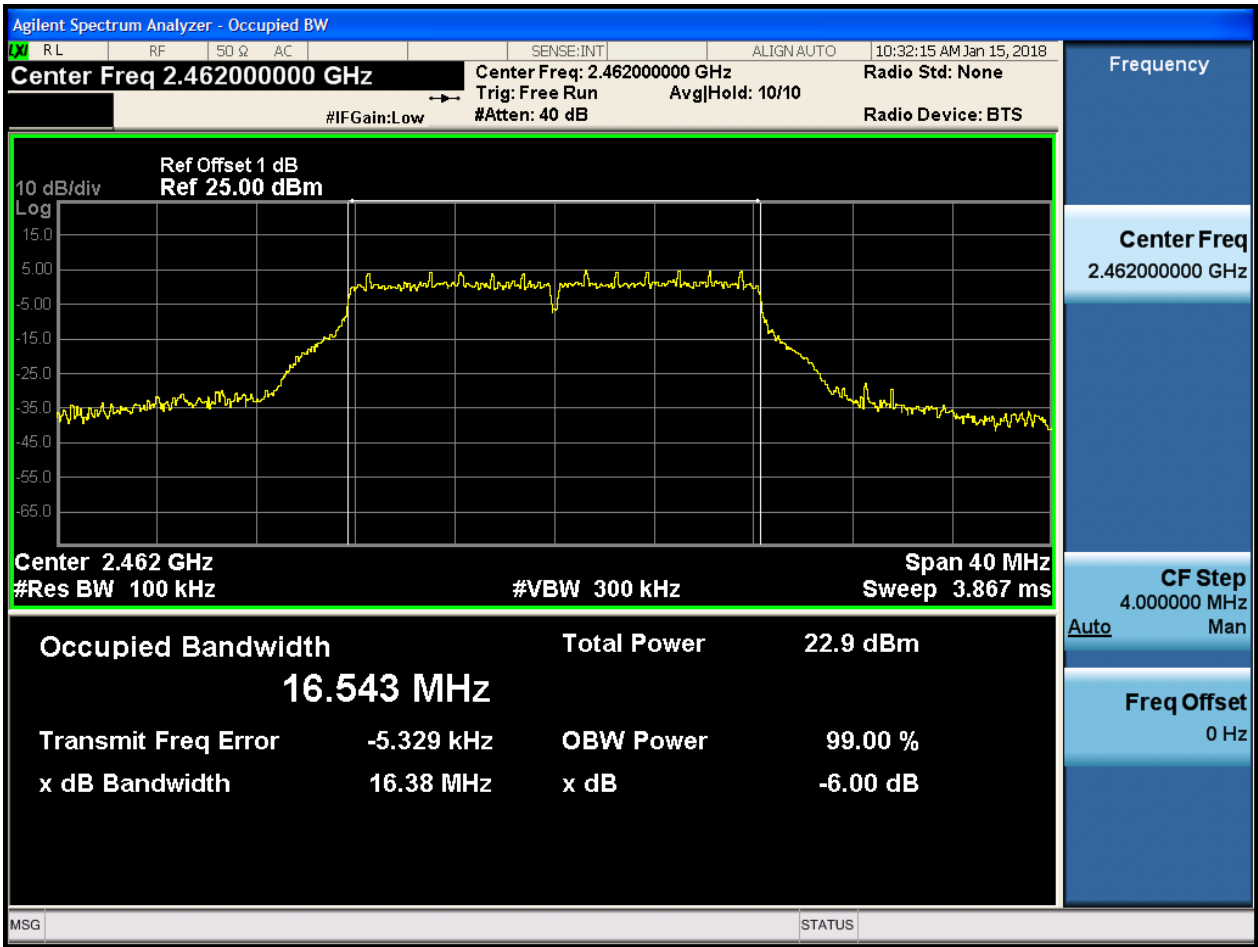


2.28 11G CDD M@Ant 2



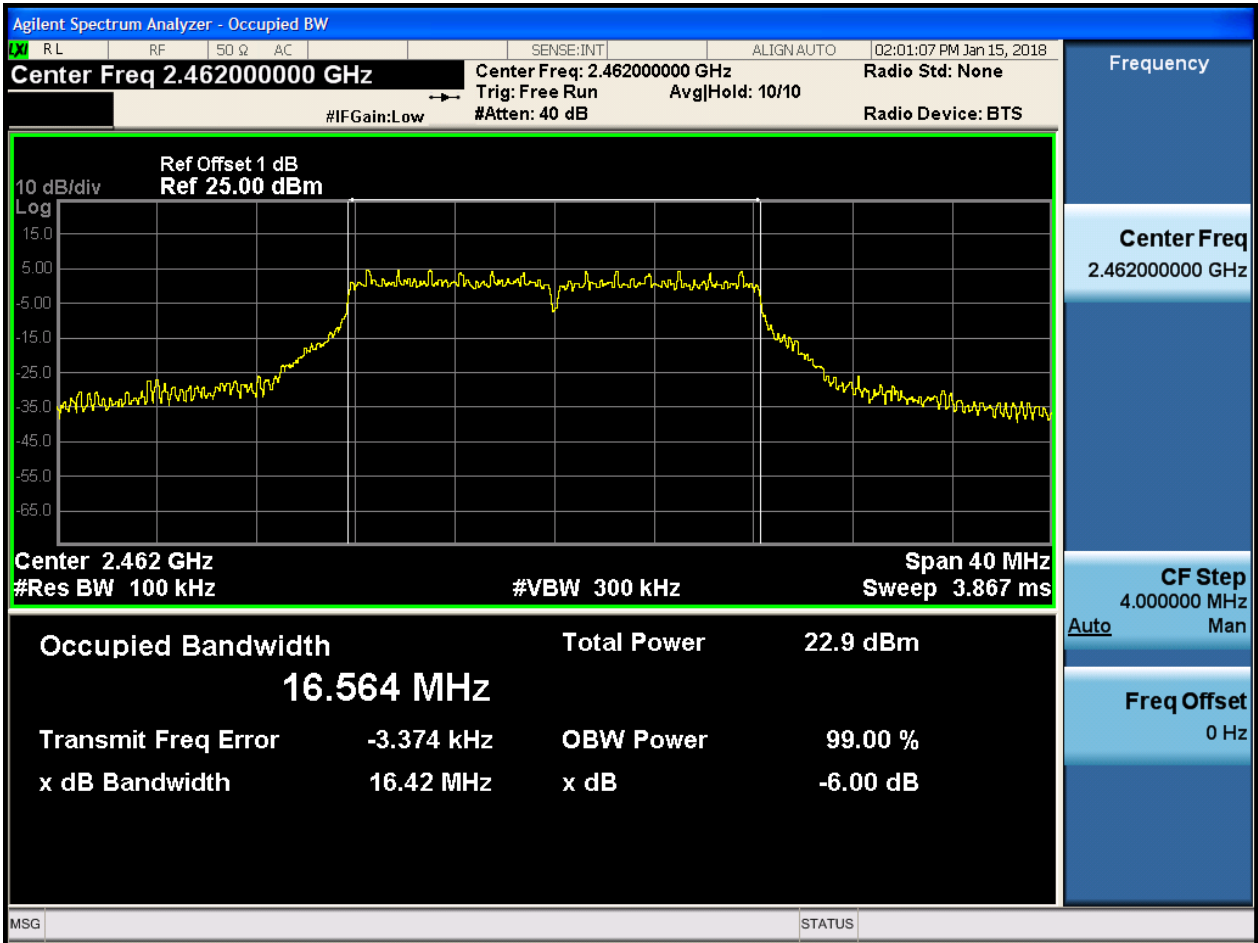


2.29 11G CDD H@Ant 1





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.

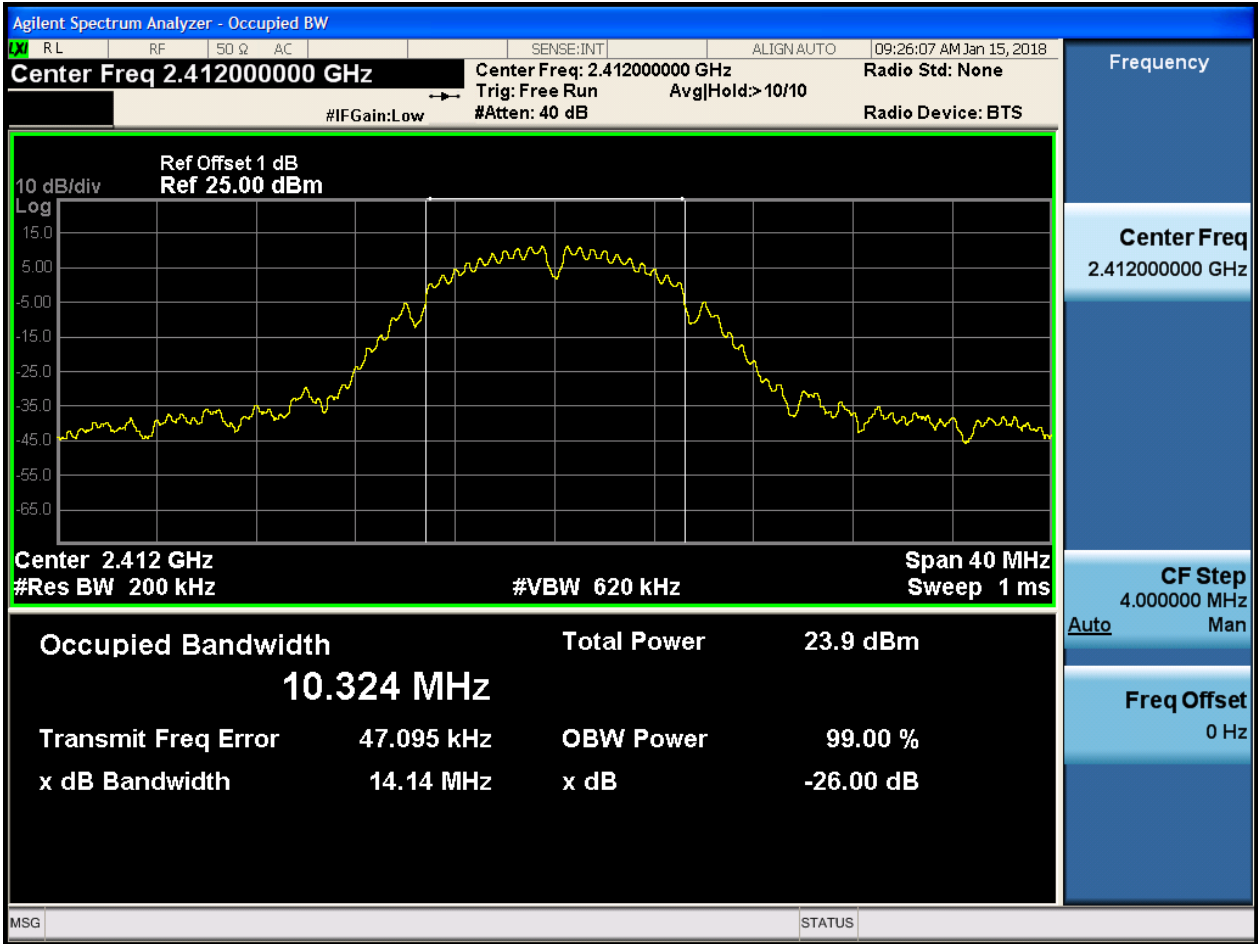
Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	Occupied Bandwidth [MHz]	Verdict
11B	L	2412	Ant 1	10.32	pass
11B	L	2412	Ant 2	10.26	pass
11B	M	2437	Ant 1	10.20	pass
11B	M	2437	Ant 2	10.33	pass
11B	H	2462	Ant 1	10.23	pass
11B	H	2462	Ant 2	10.33	pass
11G	L	2412	Ant 1	16.71	pass
11G	L	2412	Ant 2	16.70	pass
11G	M	2437	Ant 1	16.79	pass
11G	M	2437	Ant 2	16.82	pass
11G	H	2462	Ant 1	16.79	pass
11G	H	2462	Ant 2	16.84	pass
11N20	L	2412	Ant 1	17.85	pass
11N20	L	2412	Ant 2	17.80	pass
11N20	M	2437	Ant 1	17.90	pass
11N20	M	2437	Ant 2	17.92	pass
11N20	H	2462	Ant 1	17.94	pass
11N20	H	2462	Ant 2	17.93	pass
11N20m	L	2412	Ant 1	17.84	pass
11N20m	L	2412	Ant 2	17.79	pass
11N20m	M	2437	Ant 1	17.91	pass
11N20m	M	2437	Ant 2	17.88	pass
11N20m	H	2462	Ant 1	17.92	pass
11N20m	H	2462	Ant 2	17.91	pass
11G CDD	L	2412	Ant 1	16.75	pass
11G CDD	L	2412	Ant 2	16.75	pass
11G CDD	M	2437	Ant 1	16.78	pass
11G CDD	M	2437	Ant 2	16.93	pass
11G CDD	H	2462	Ant 1	16.81	pass
11G CDD	H	2462	Ant 2	16.87	pass



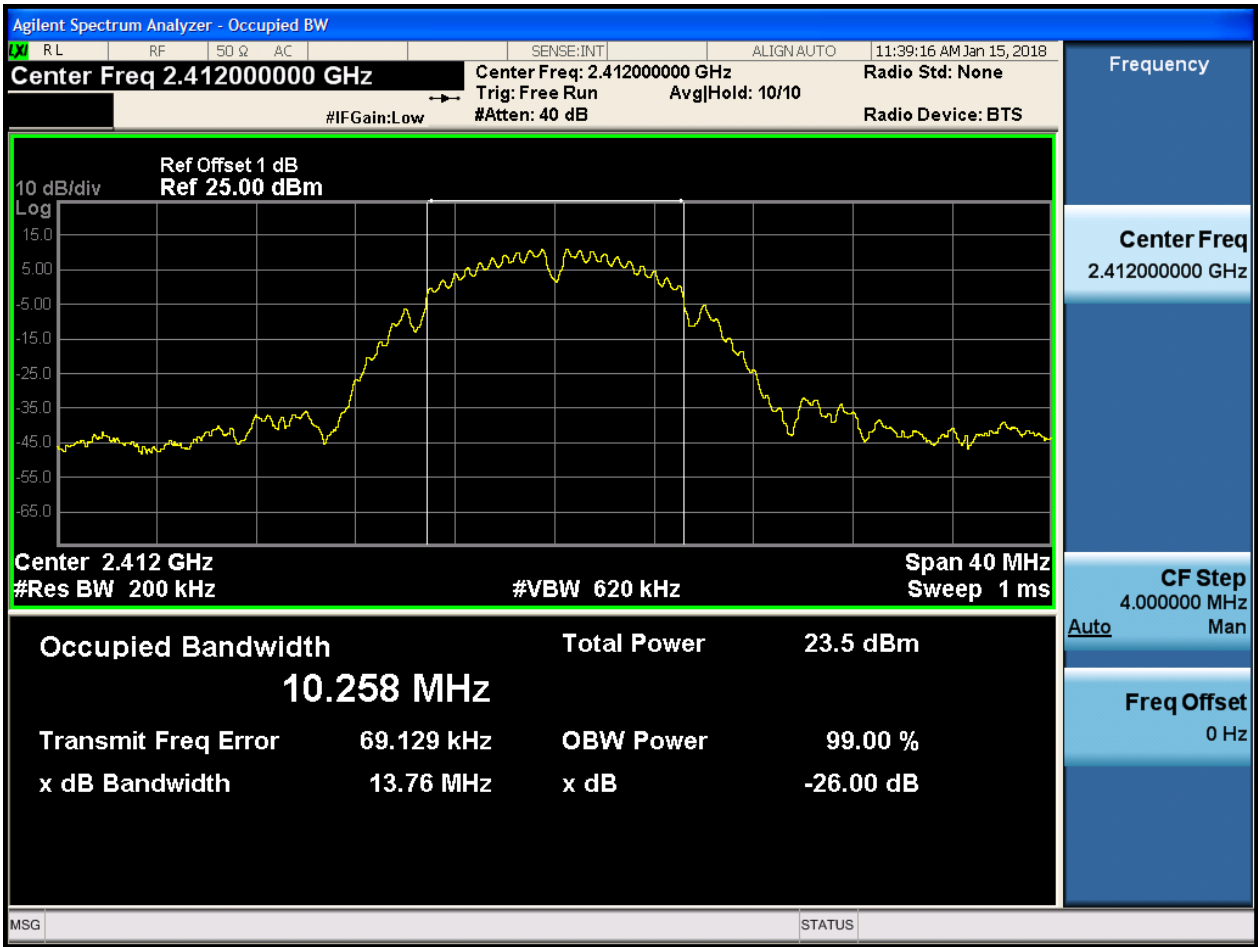
Part II - Test Plots

2.1 11B_L@Ant 1



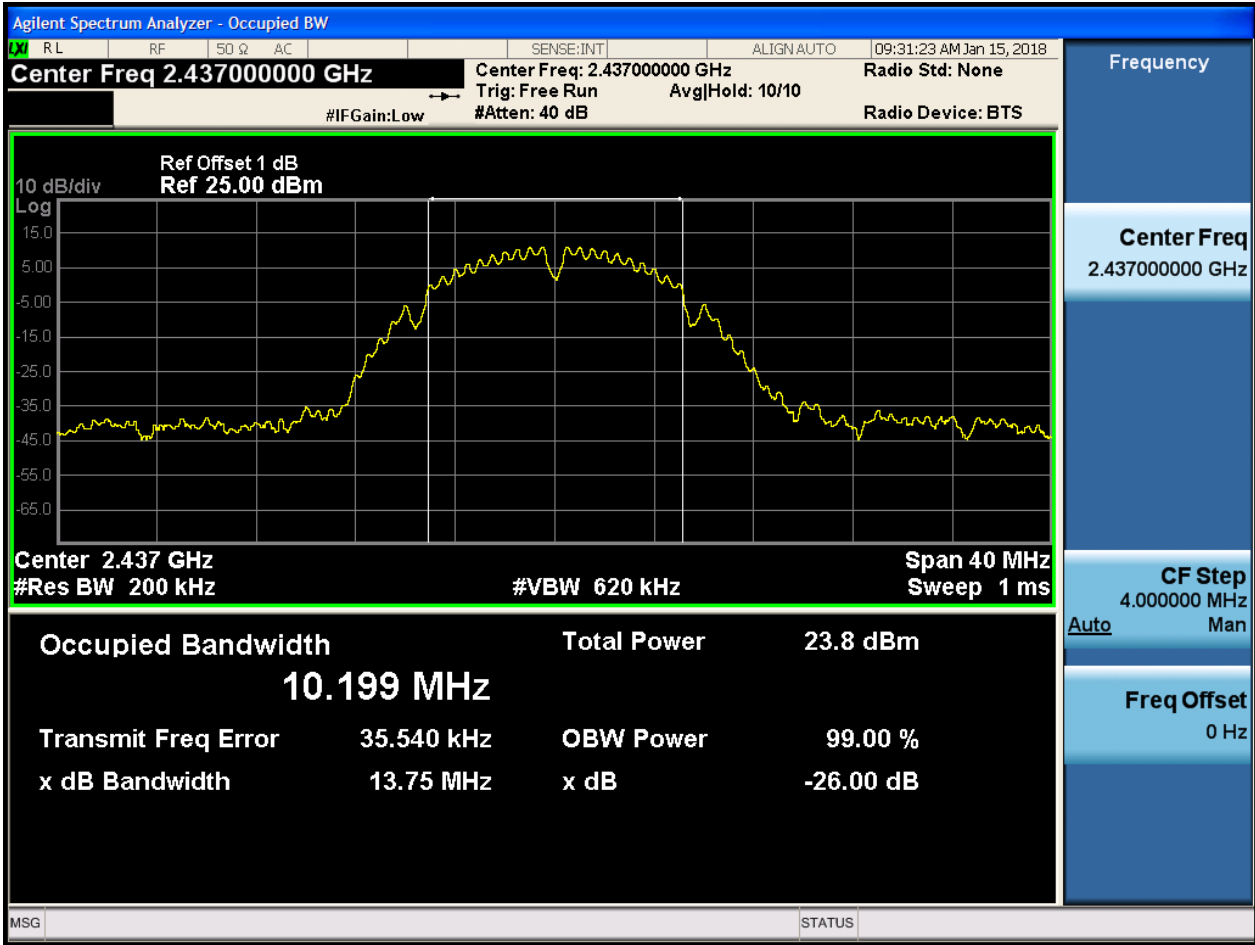


2.2 11B_L@Ant 2



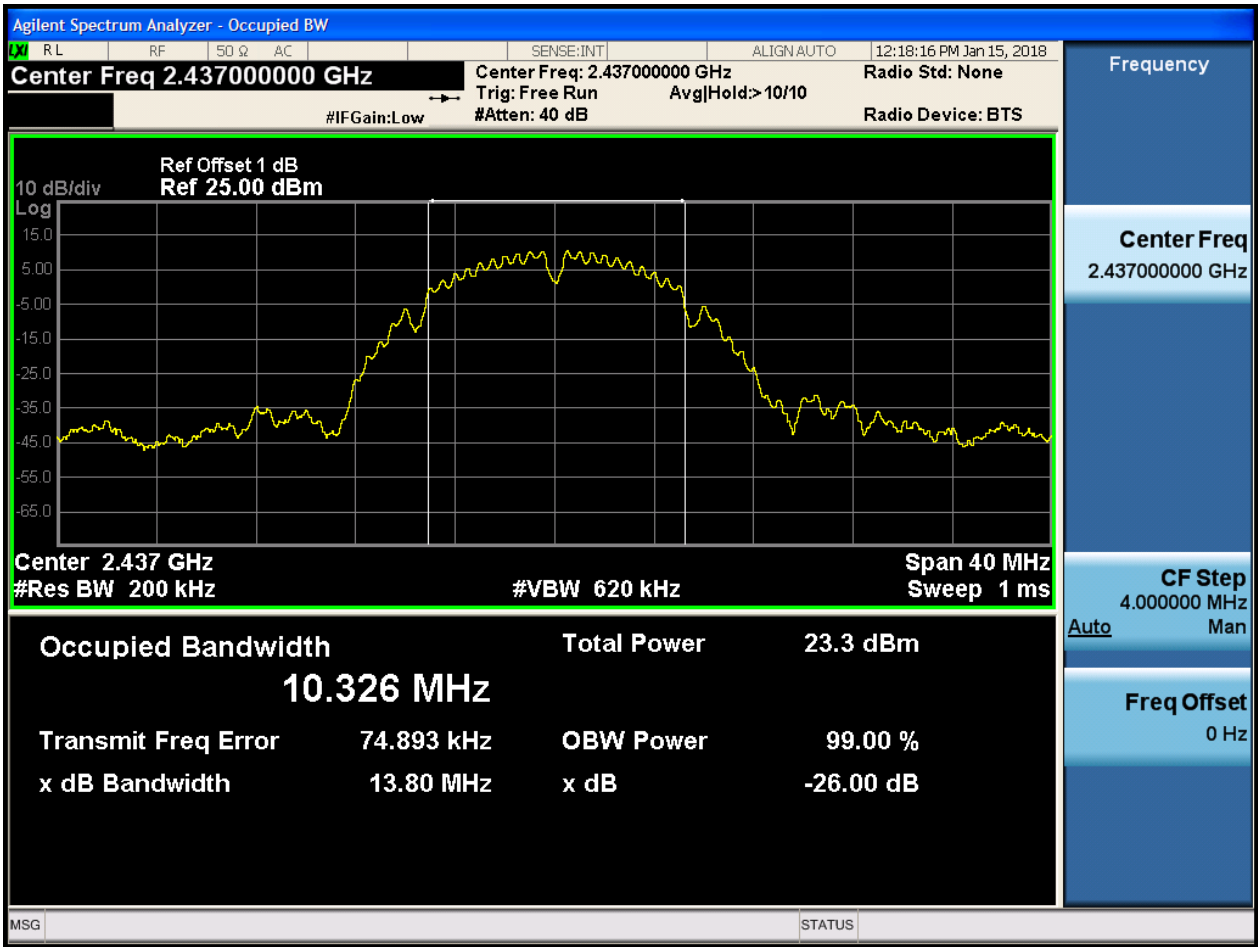


2.3 11B_M@Ant 1



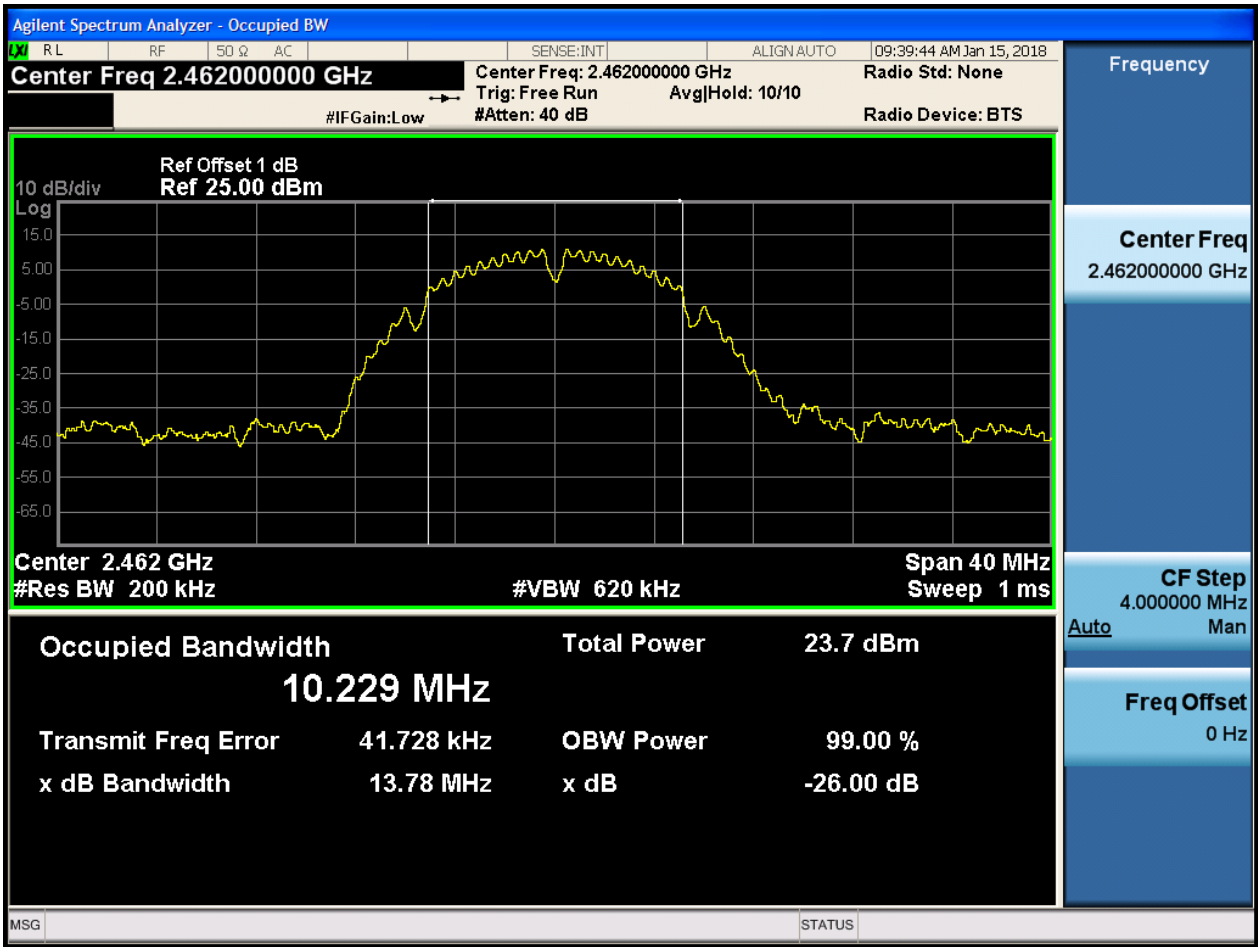


2.4 11B_M@Ant 2



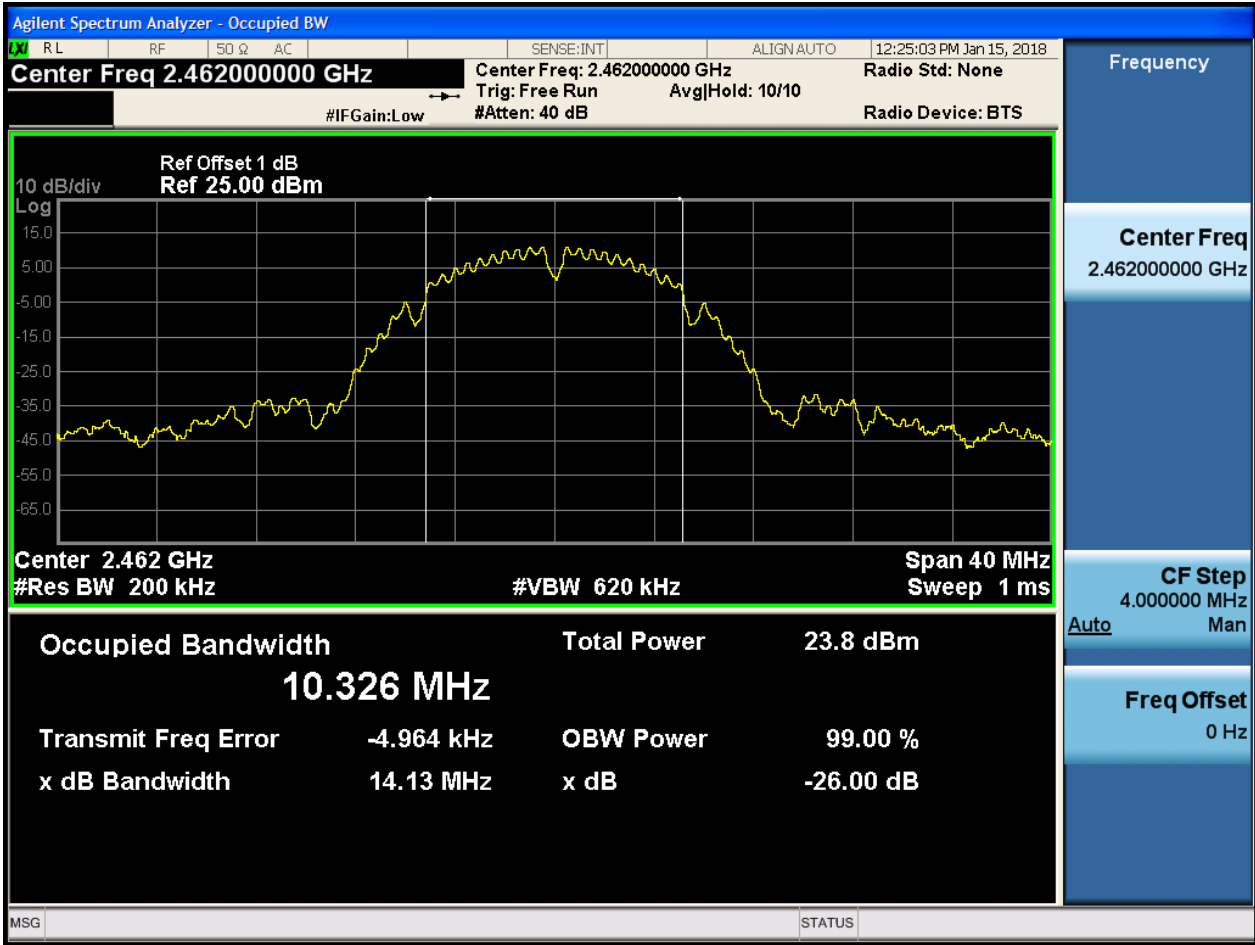


2.5 11B_H@Ant 1



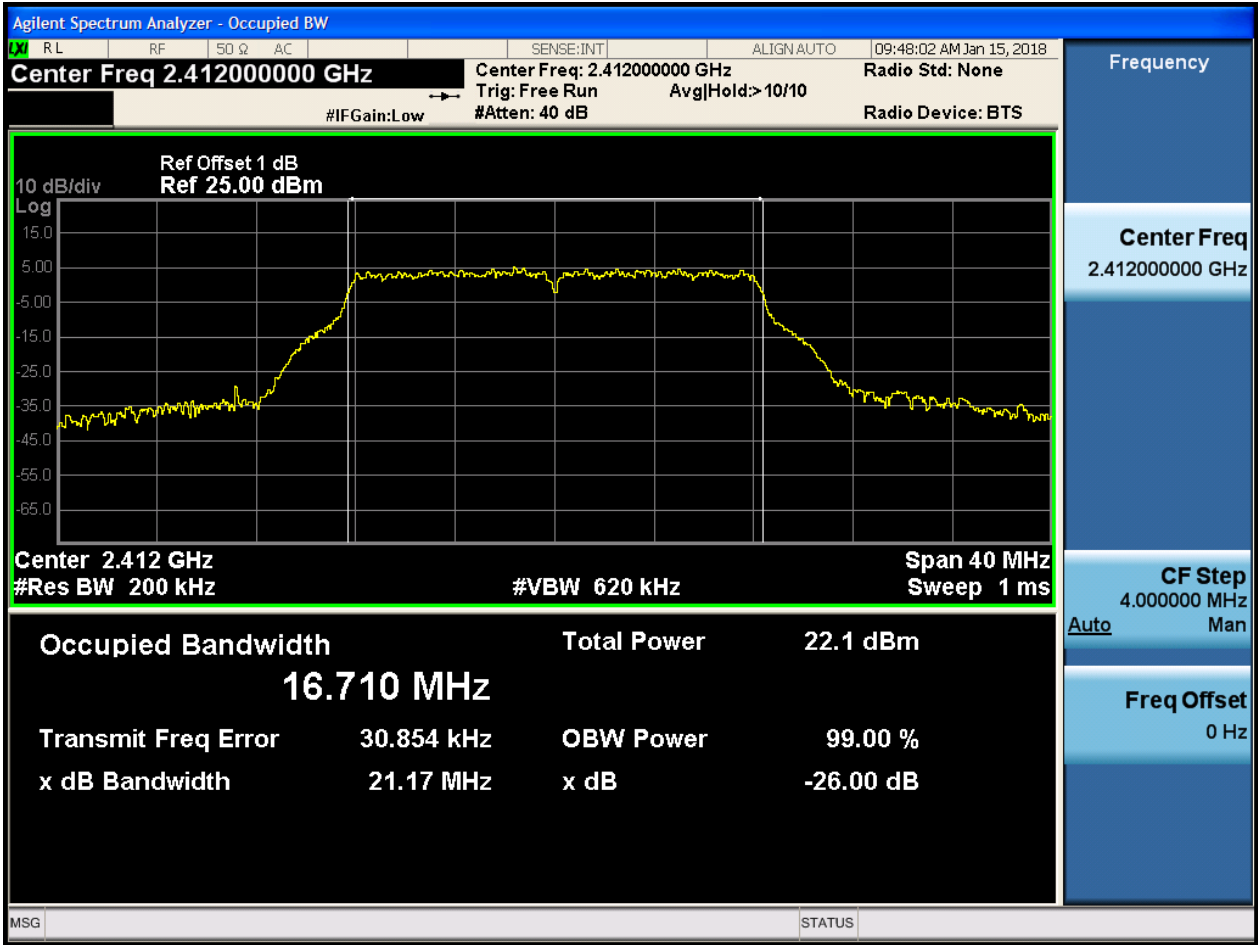


2.6 11B_H@Ant 2



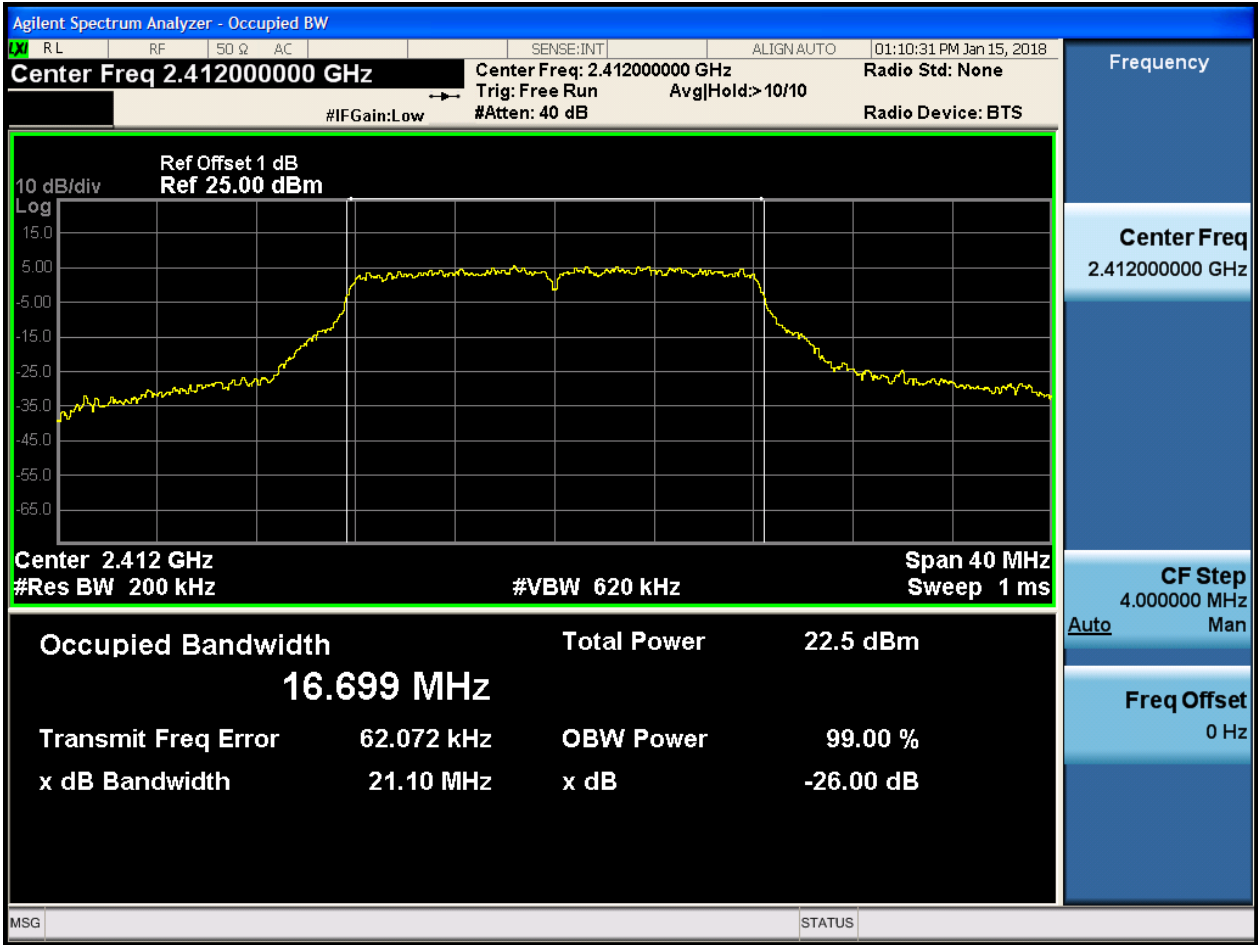


2.7 11G_L@Ant 1



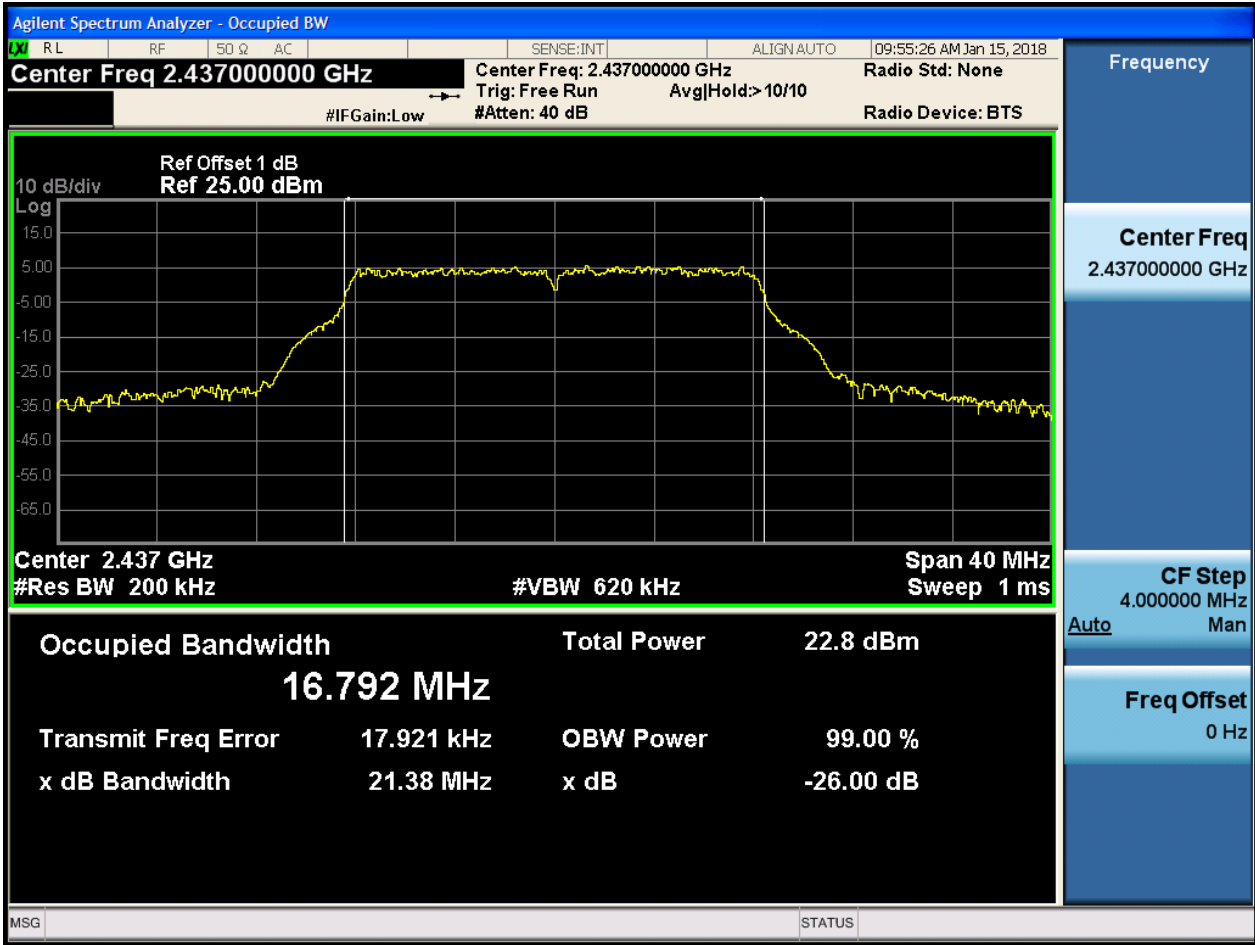


2.8 11G_L@Ant 2



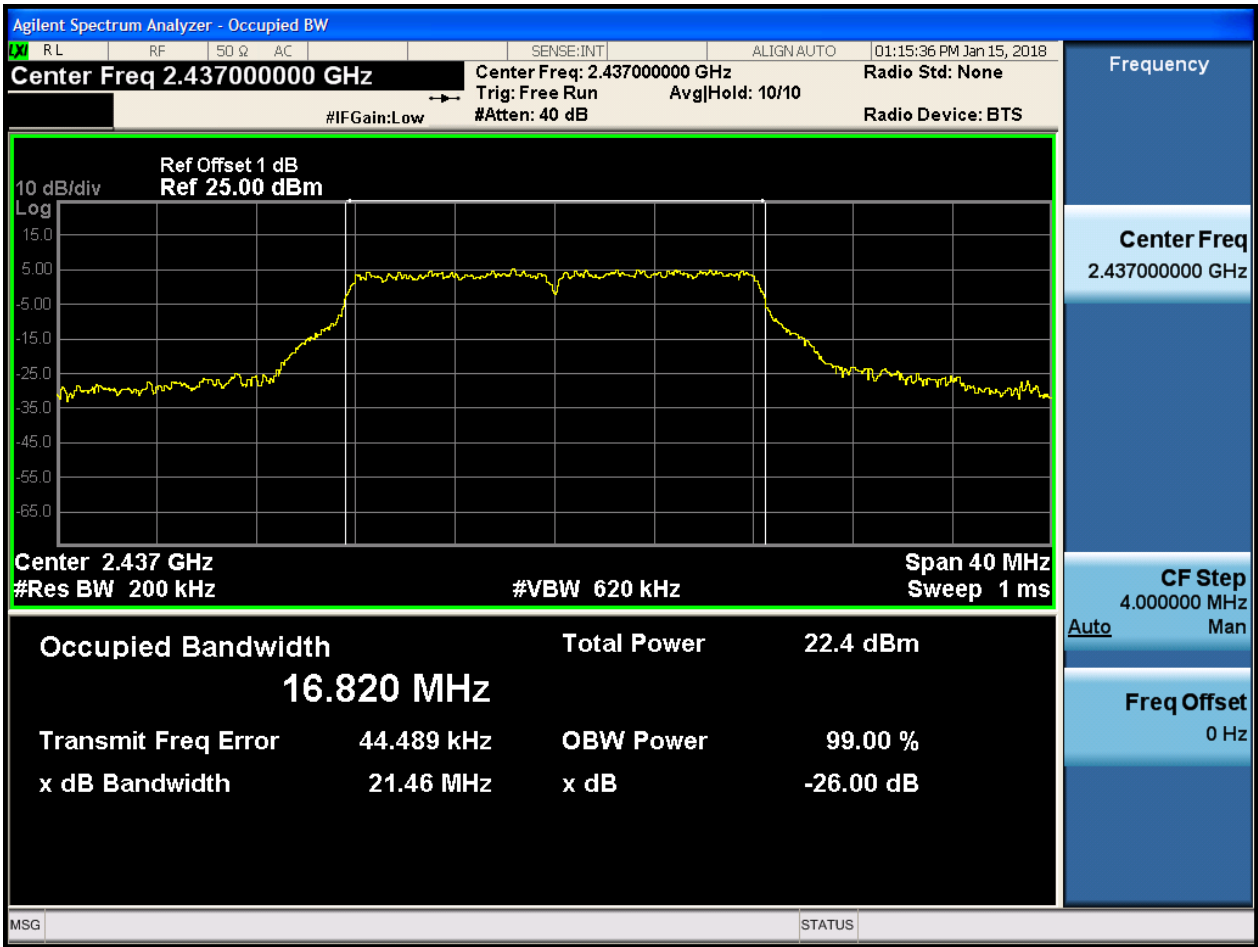


2.9 11G_M@Ant 1



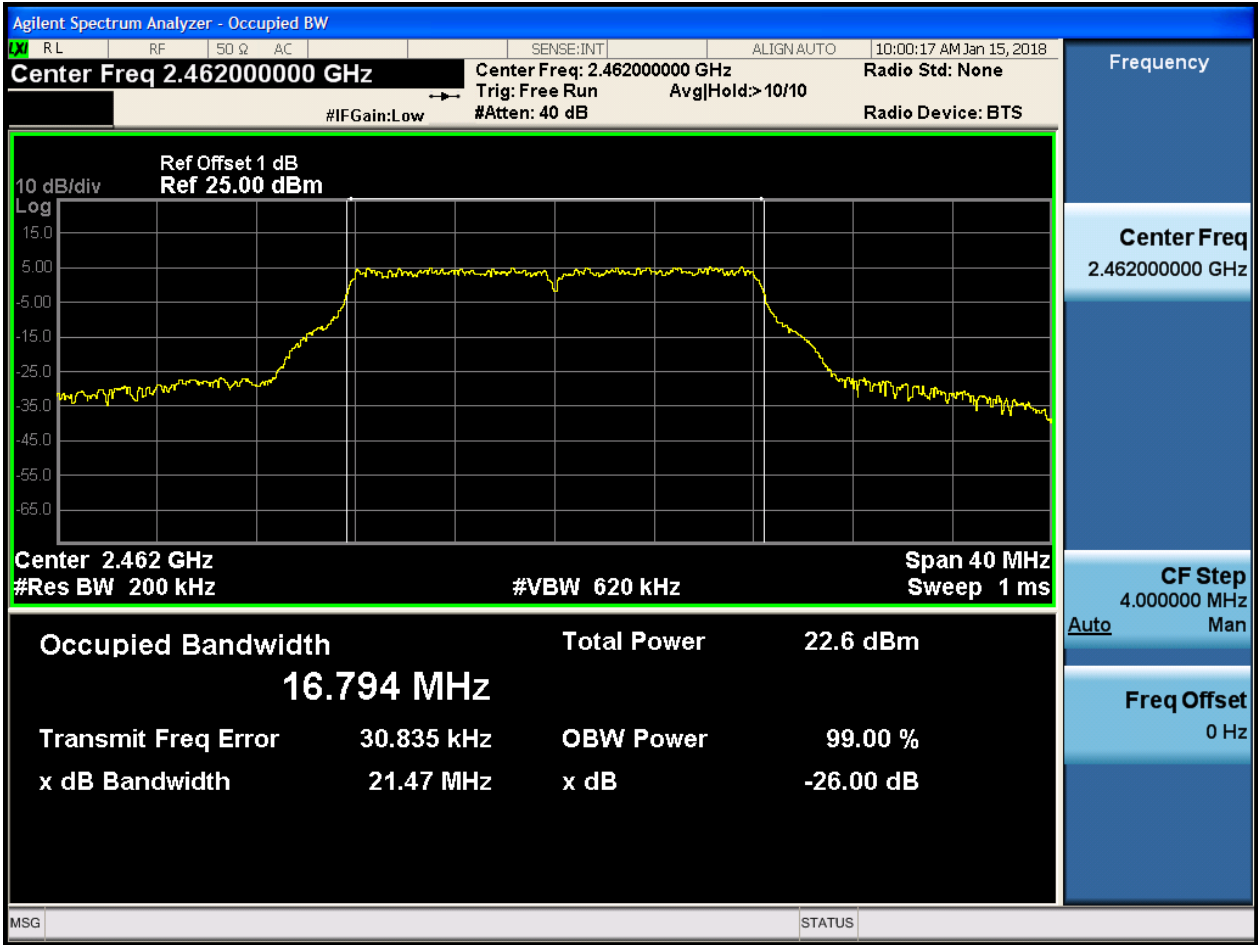


2.10 11G_M@Ant 2



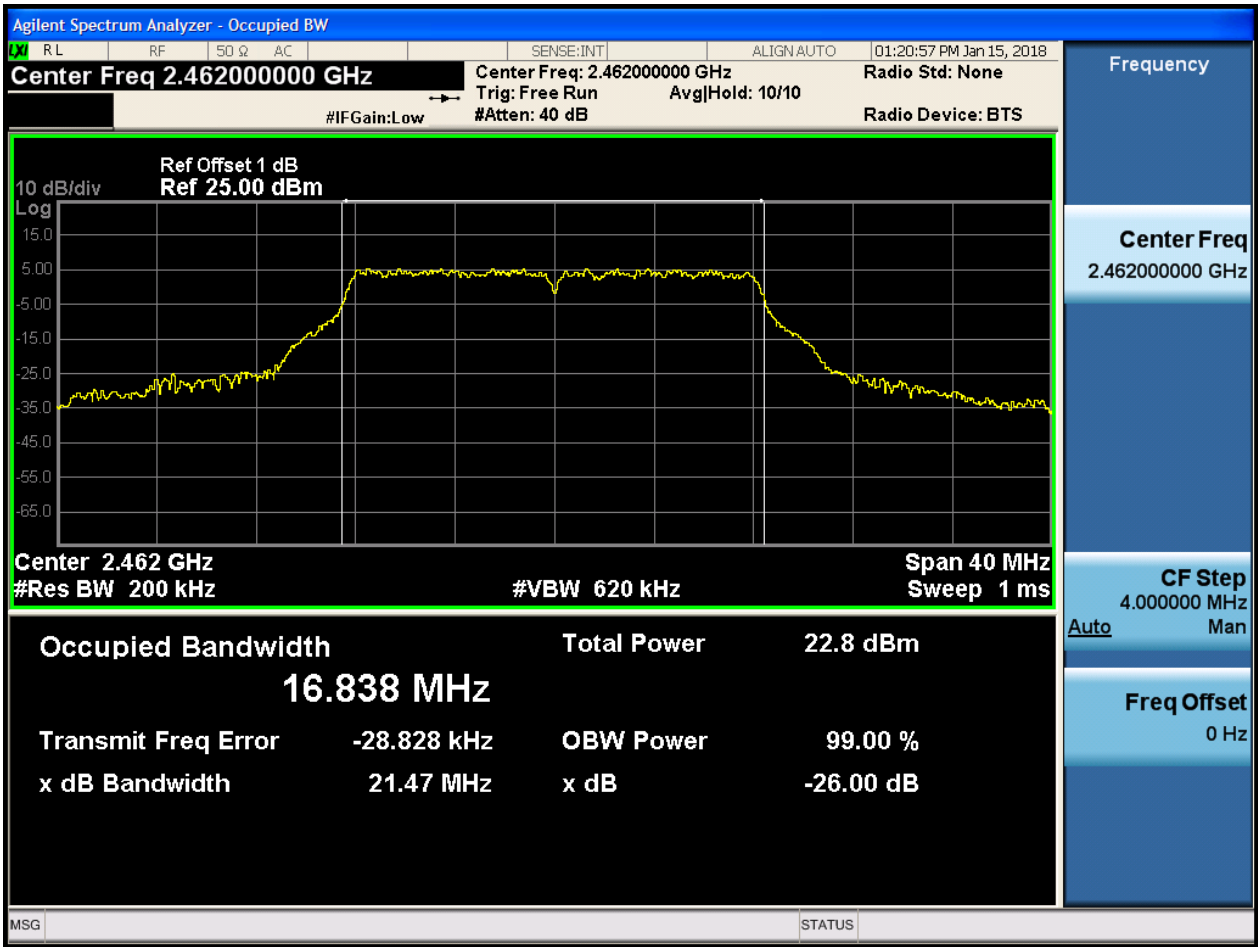


2.11 11G_H@Ant 1



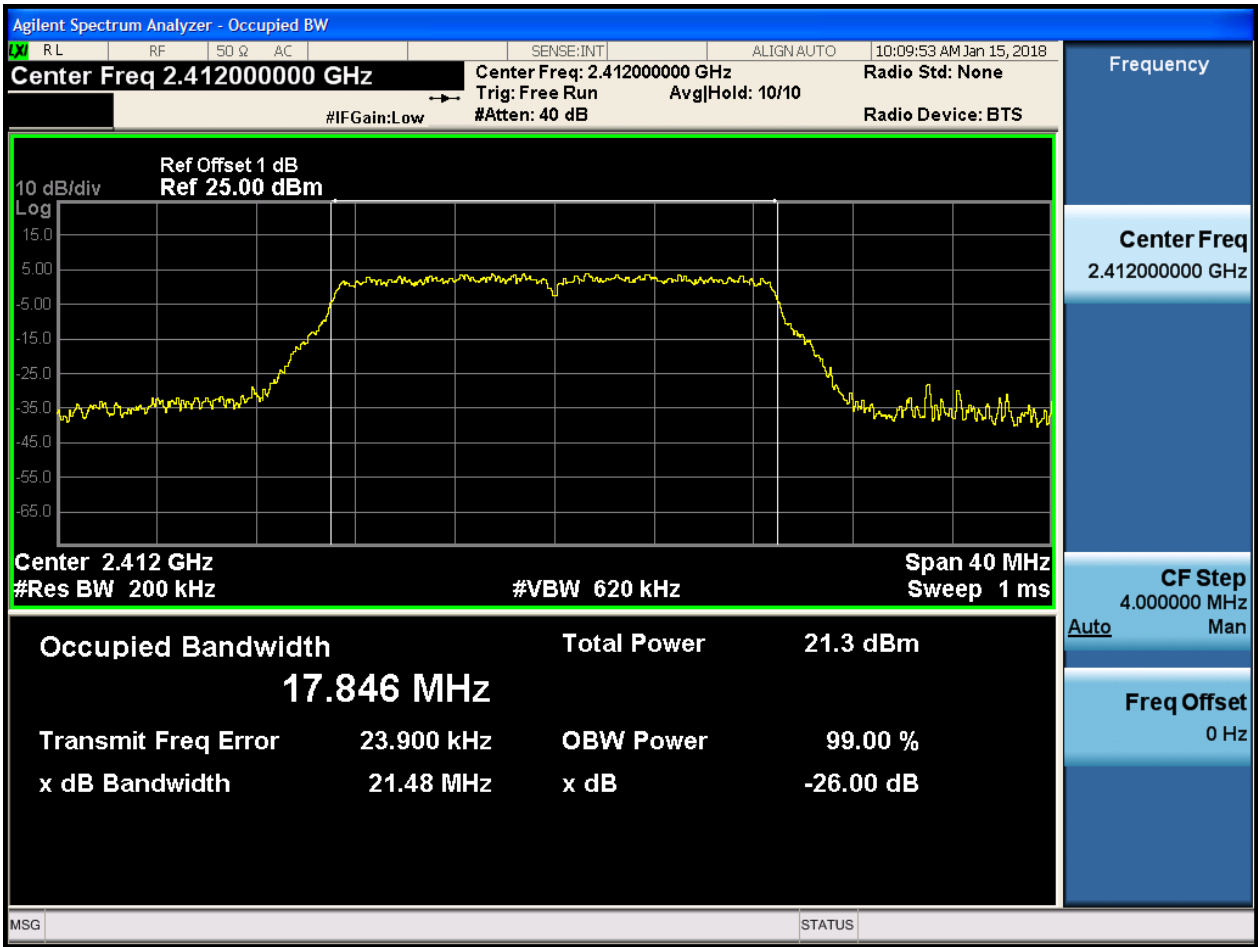


2.12 11G_H@Ant 2



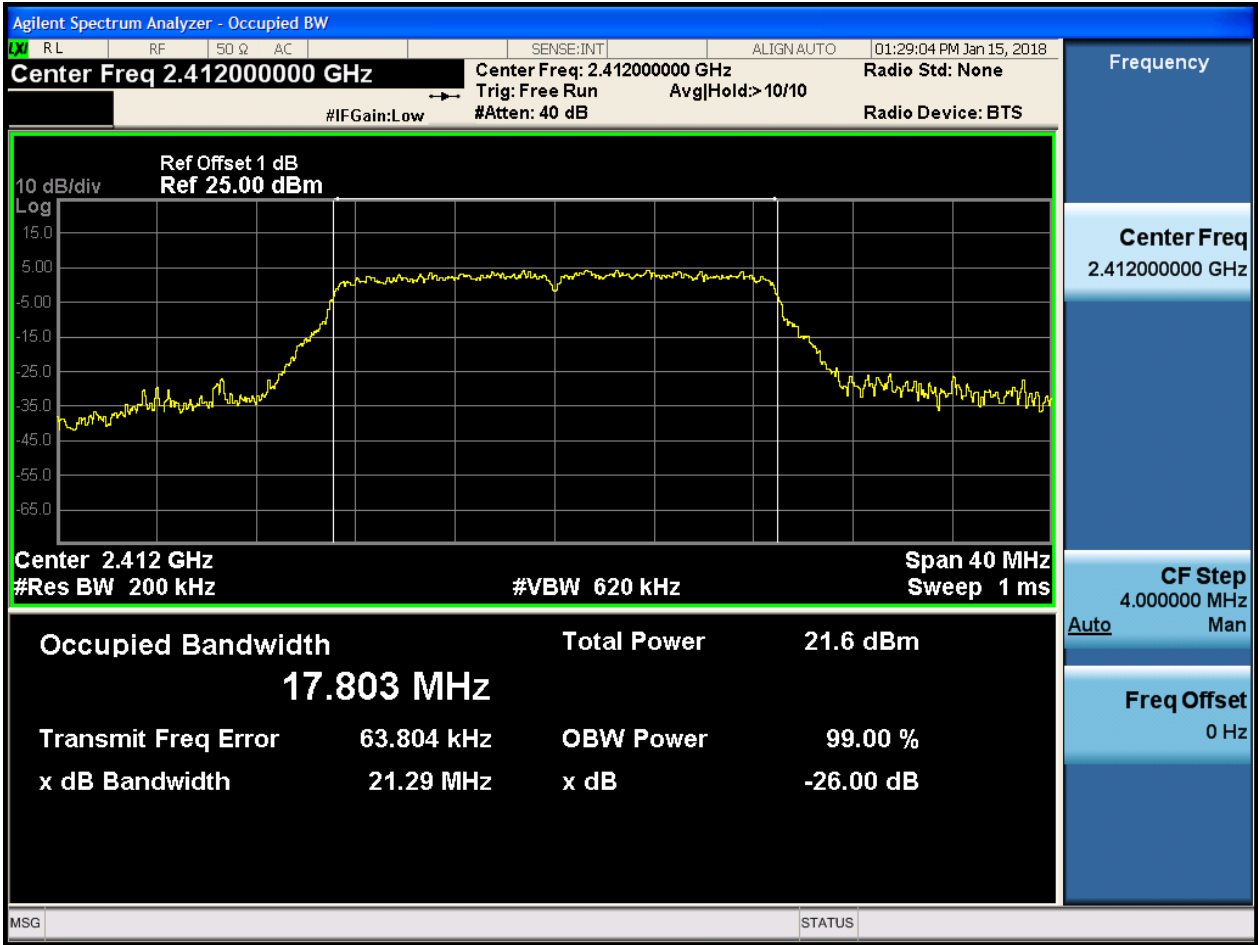


2.13 11N20_L@Ant 1



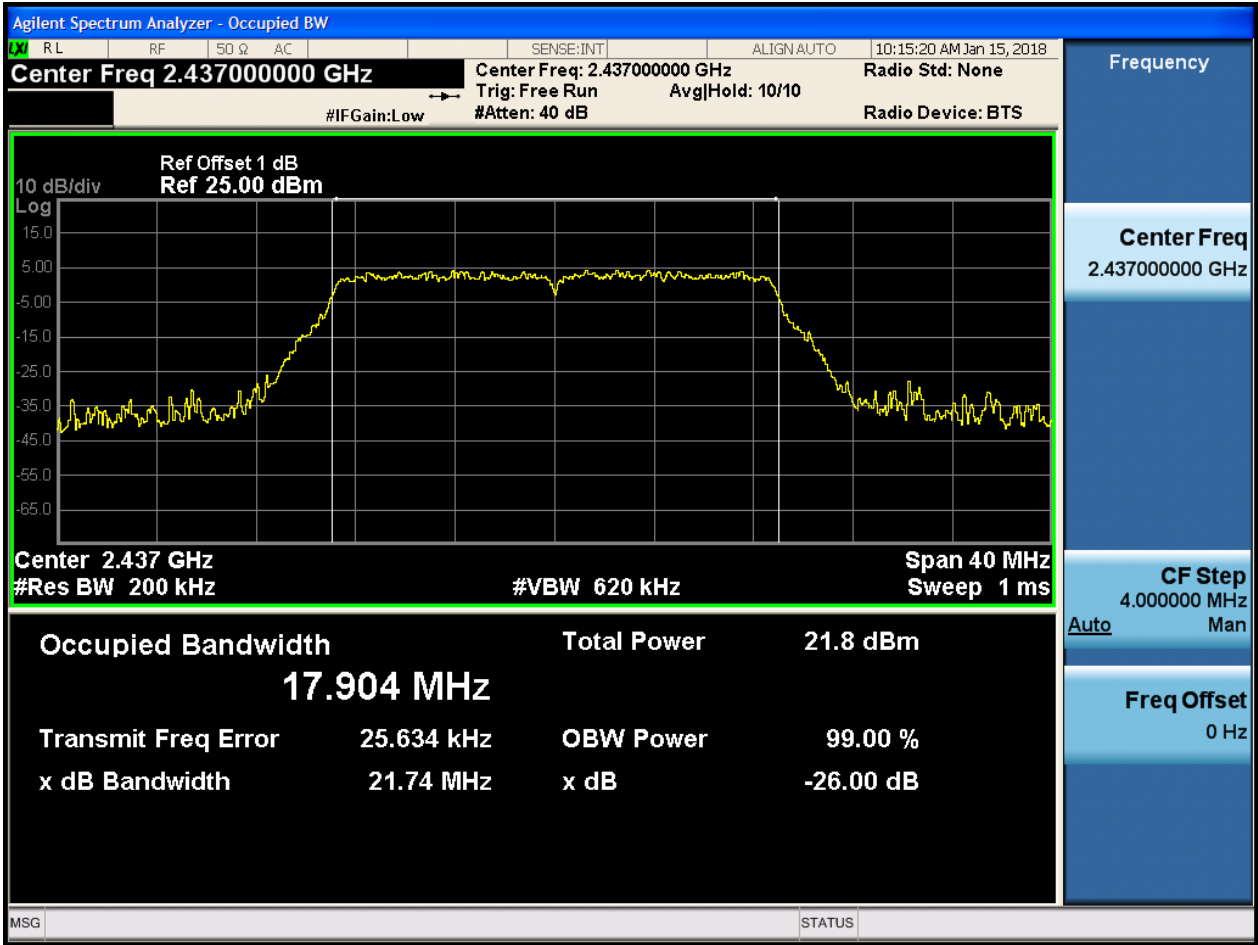


2.14 11N20_L@Ant 2



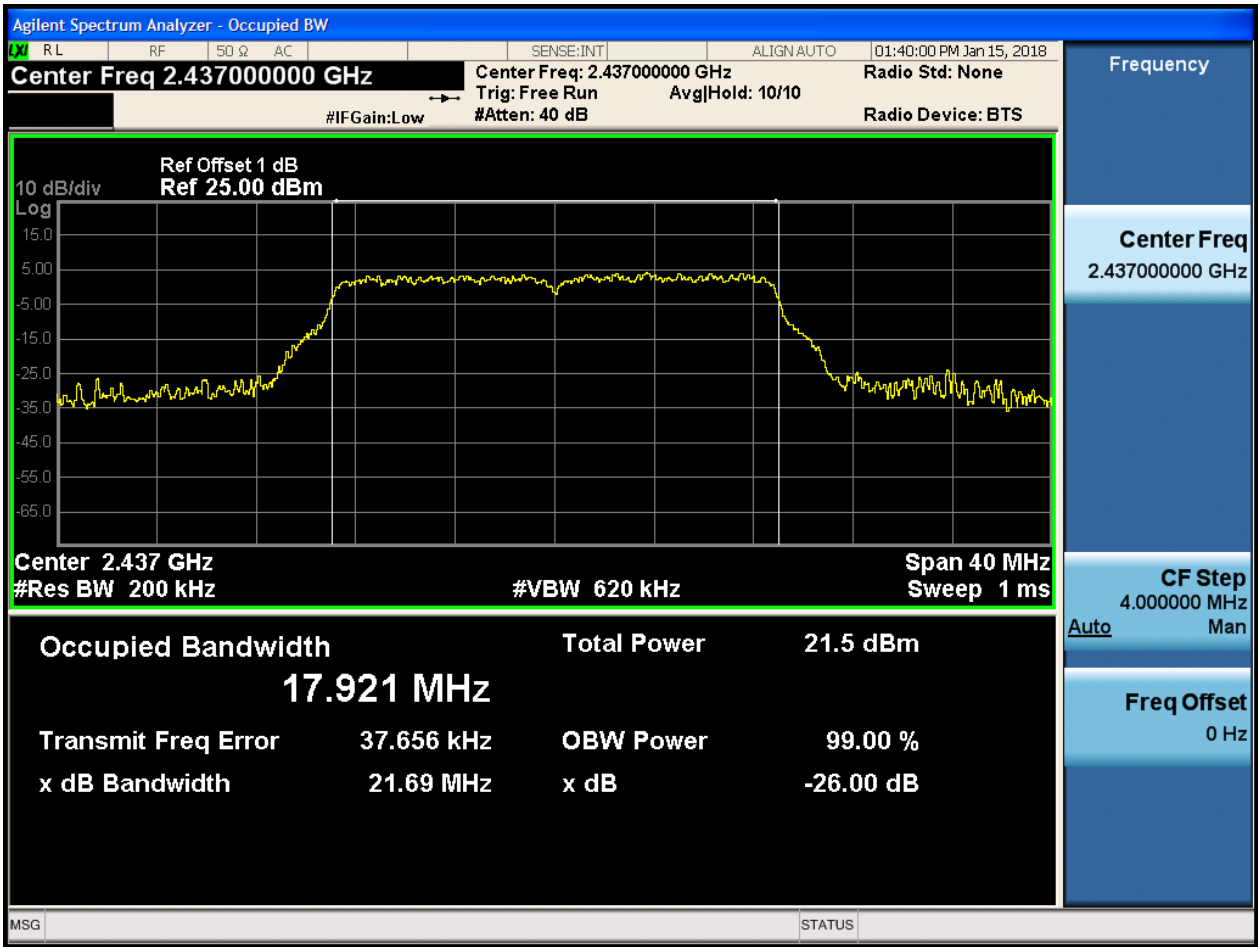


2.15 11N20_M@Ant 1



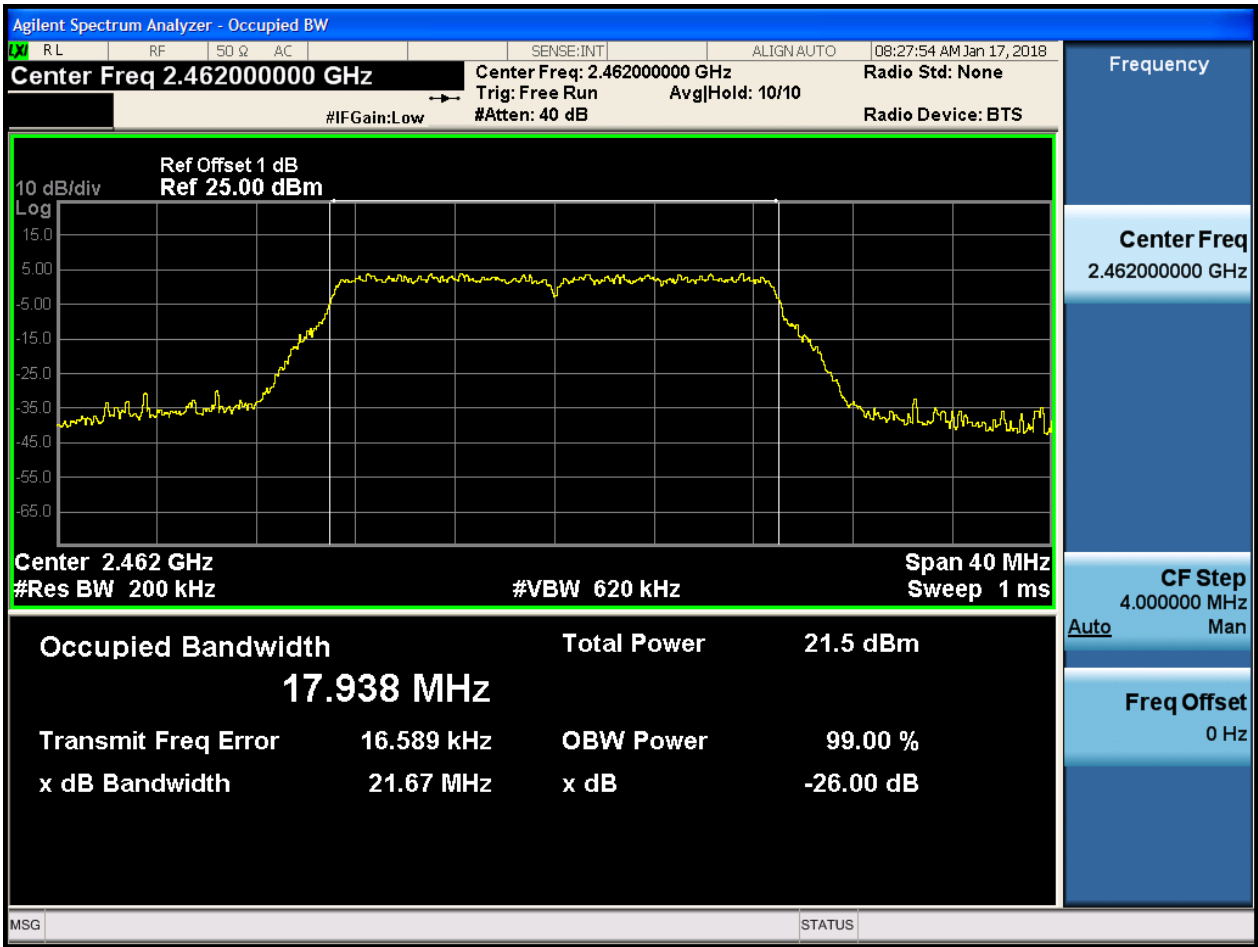


2.16 11N20_M@Ant 2



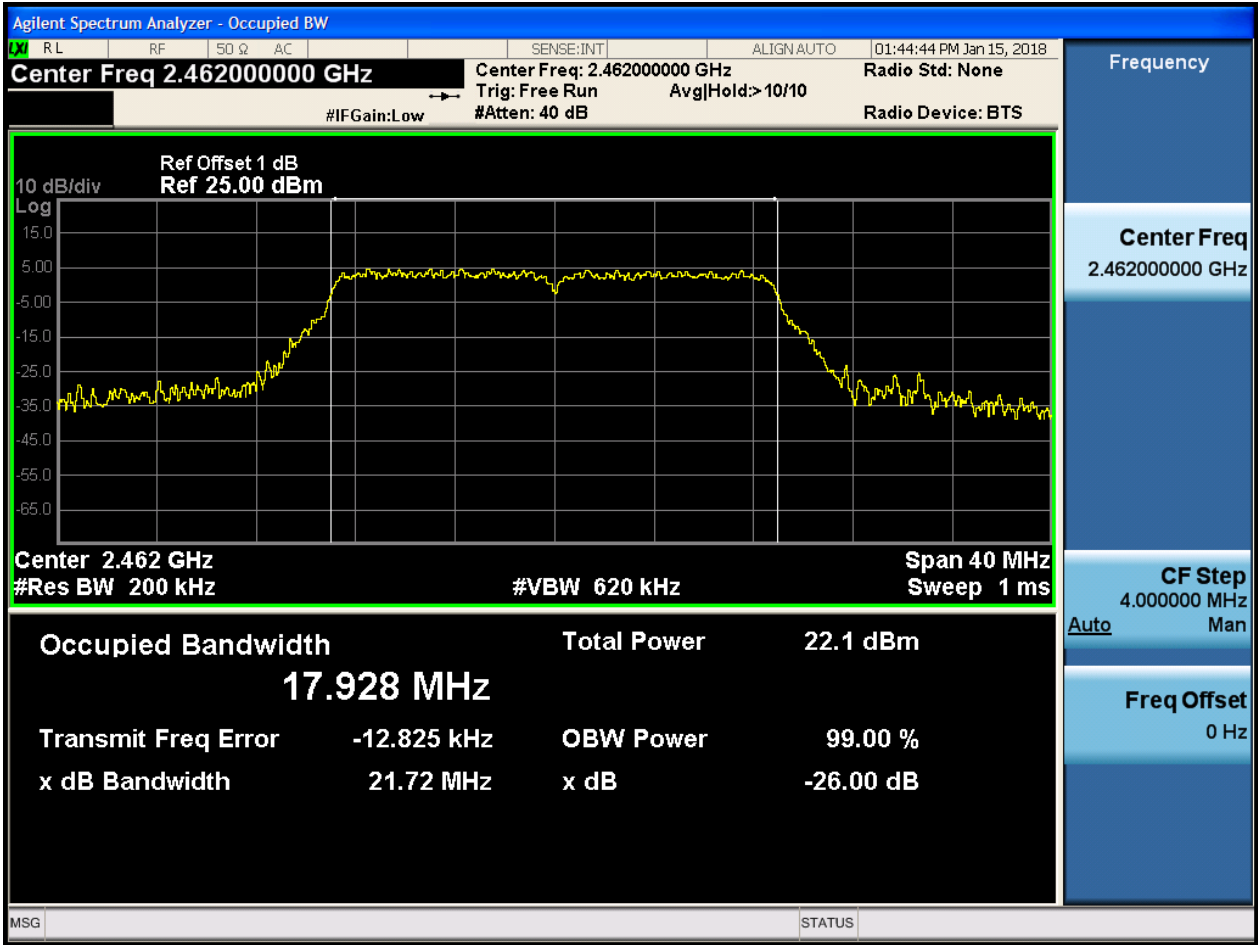


2.17 11N20_H@Ant 1



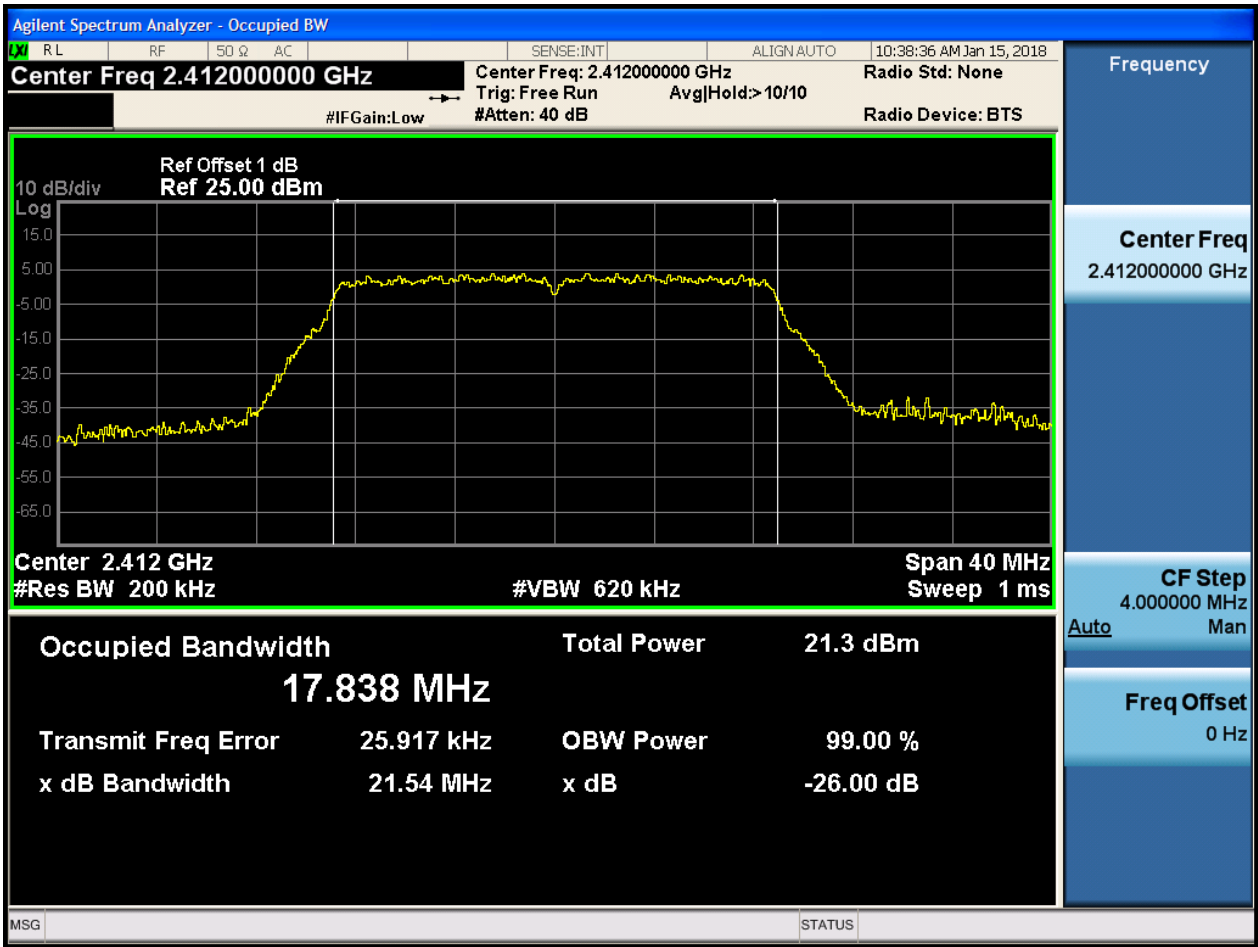


2.18 11N20_H@Ant 2



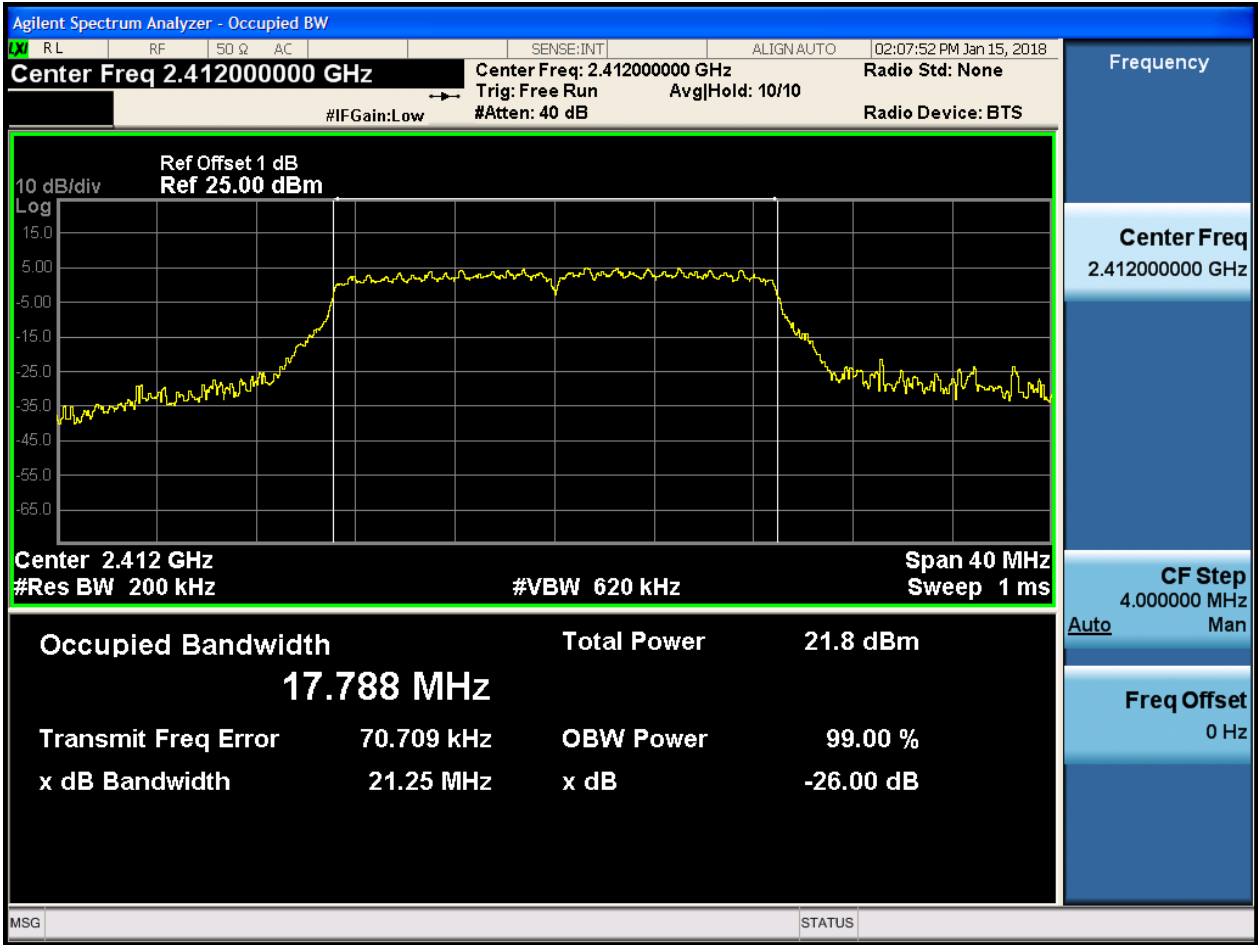


2.19 11N20m_L@Ant 1



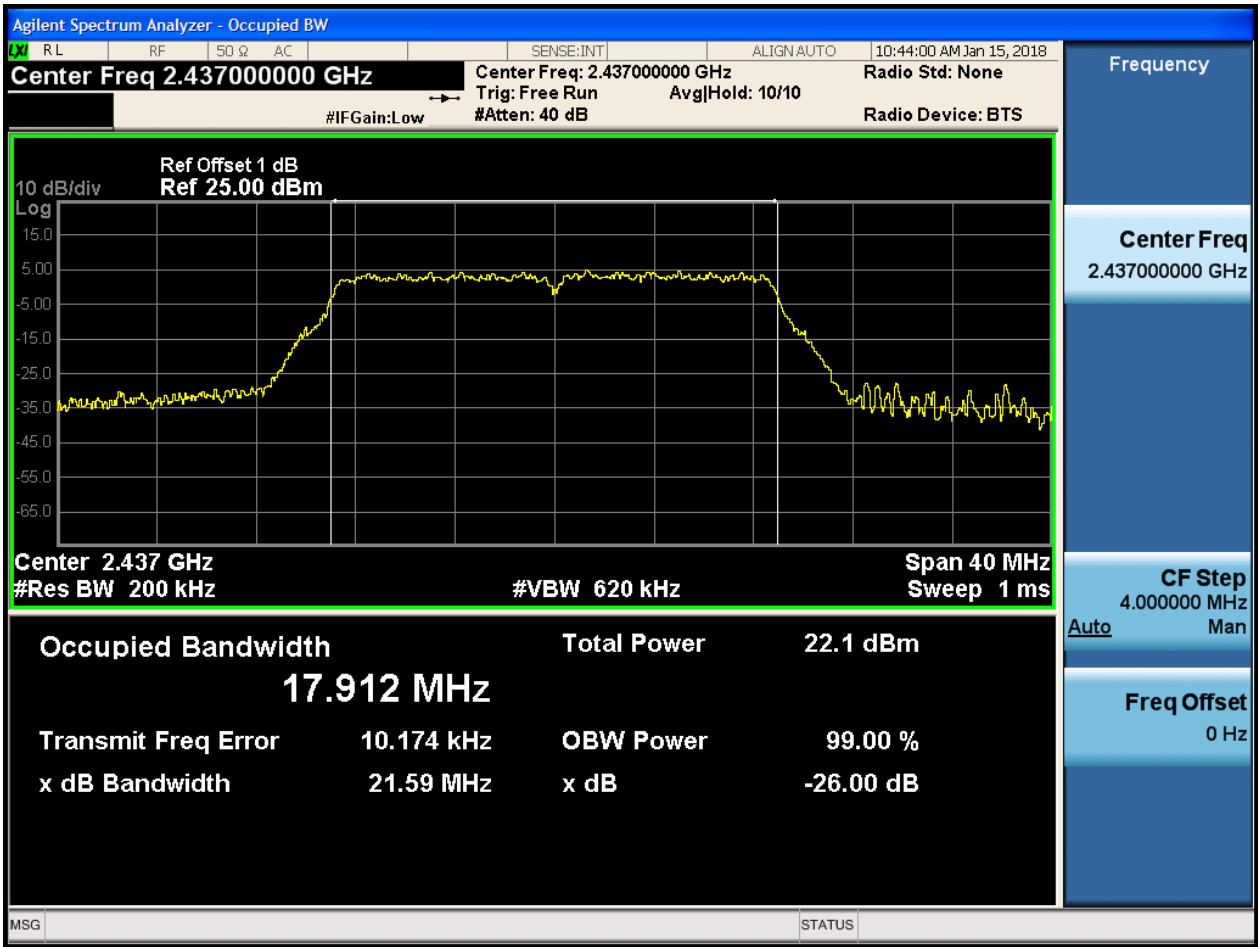


2.20 11N20m_L@Ant 2



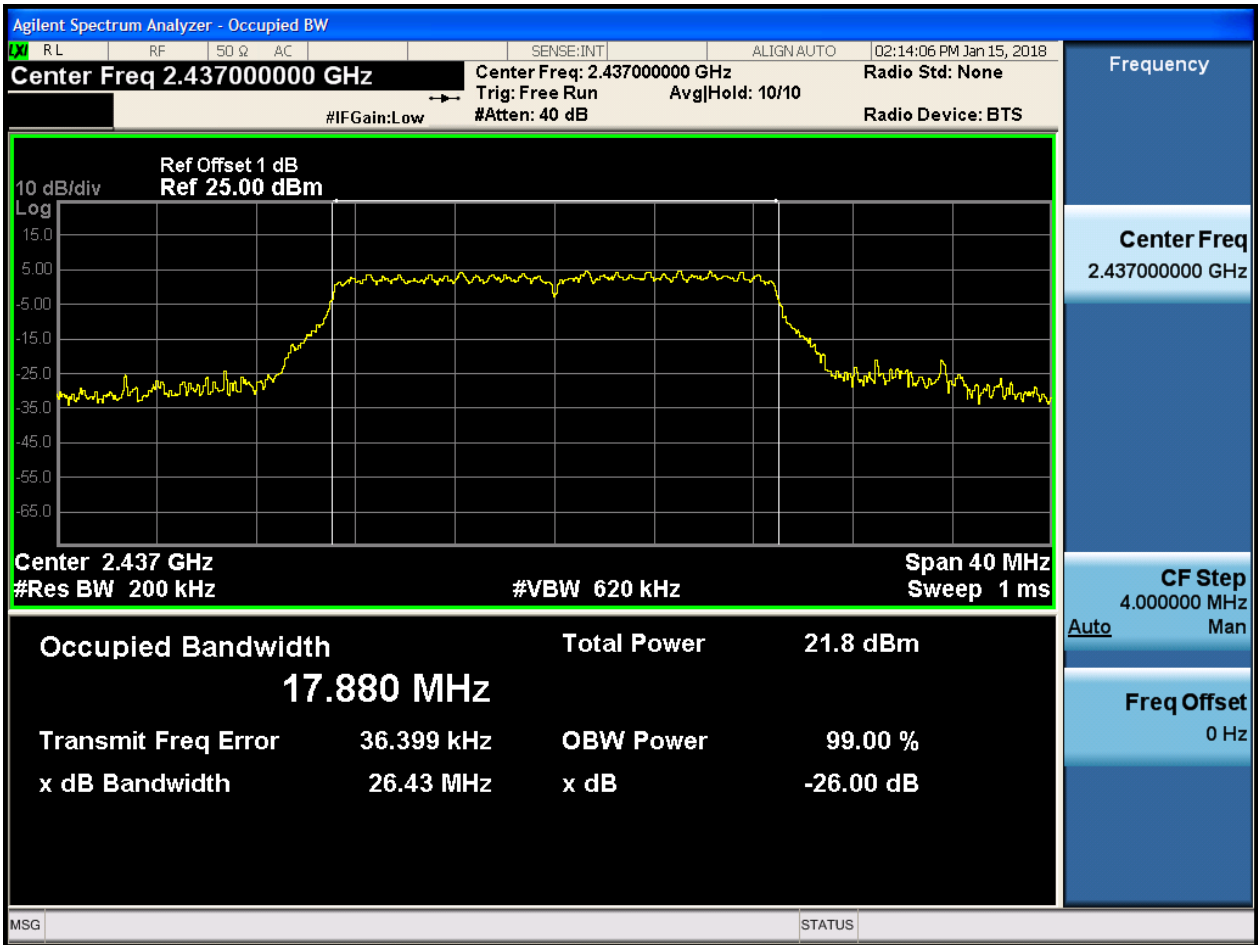


2.21 11N20m_M@Ant 1



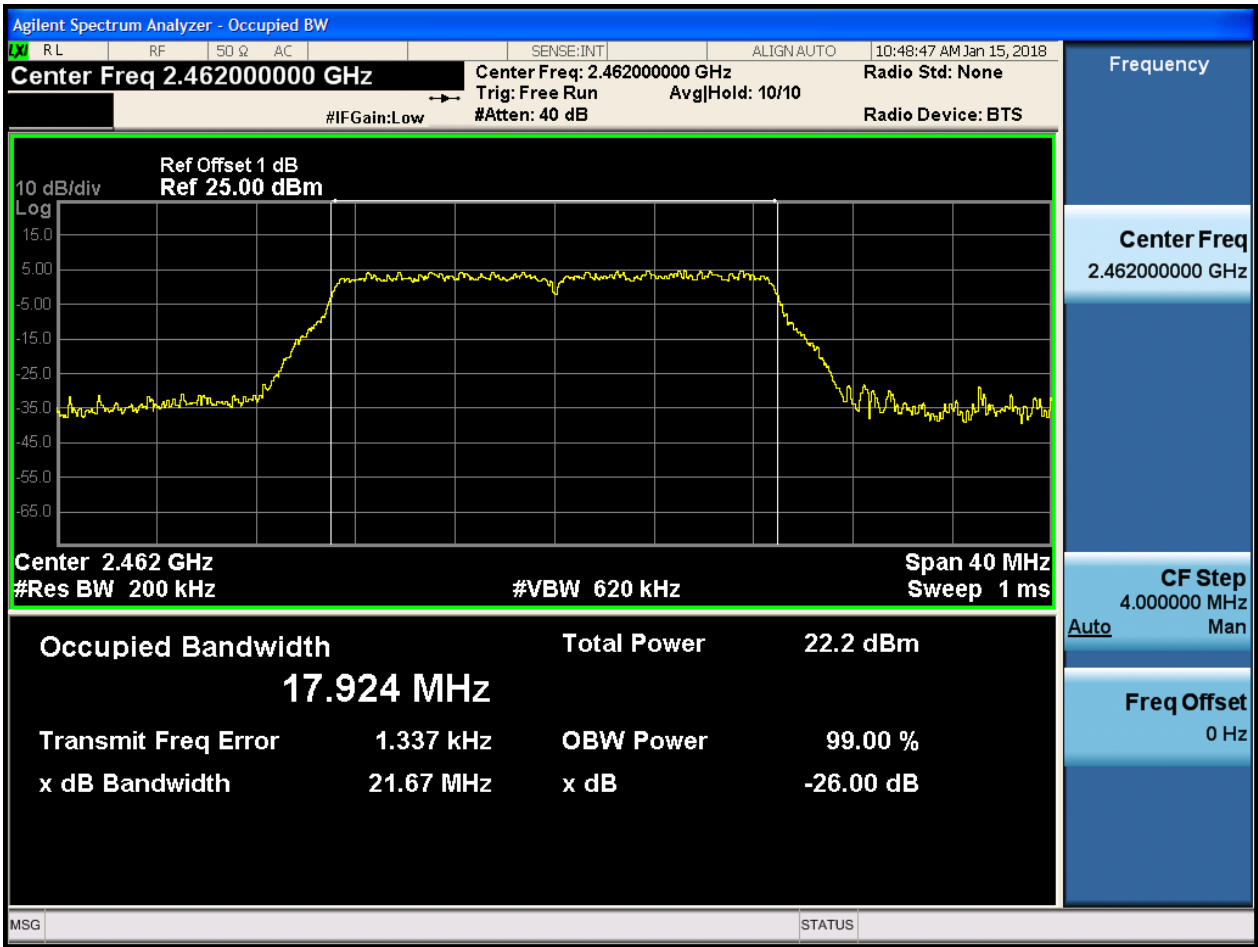


2.22 11N20m_M@Ant 2



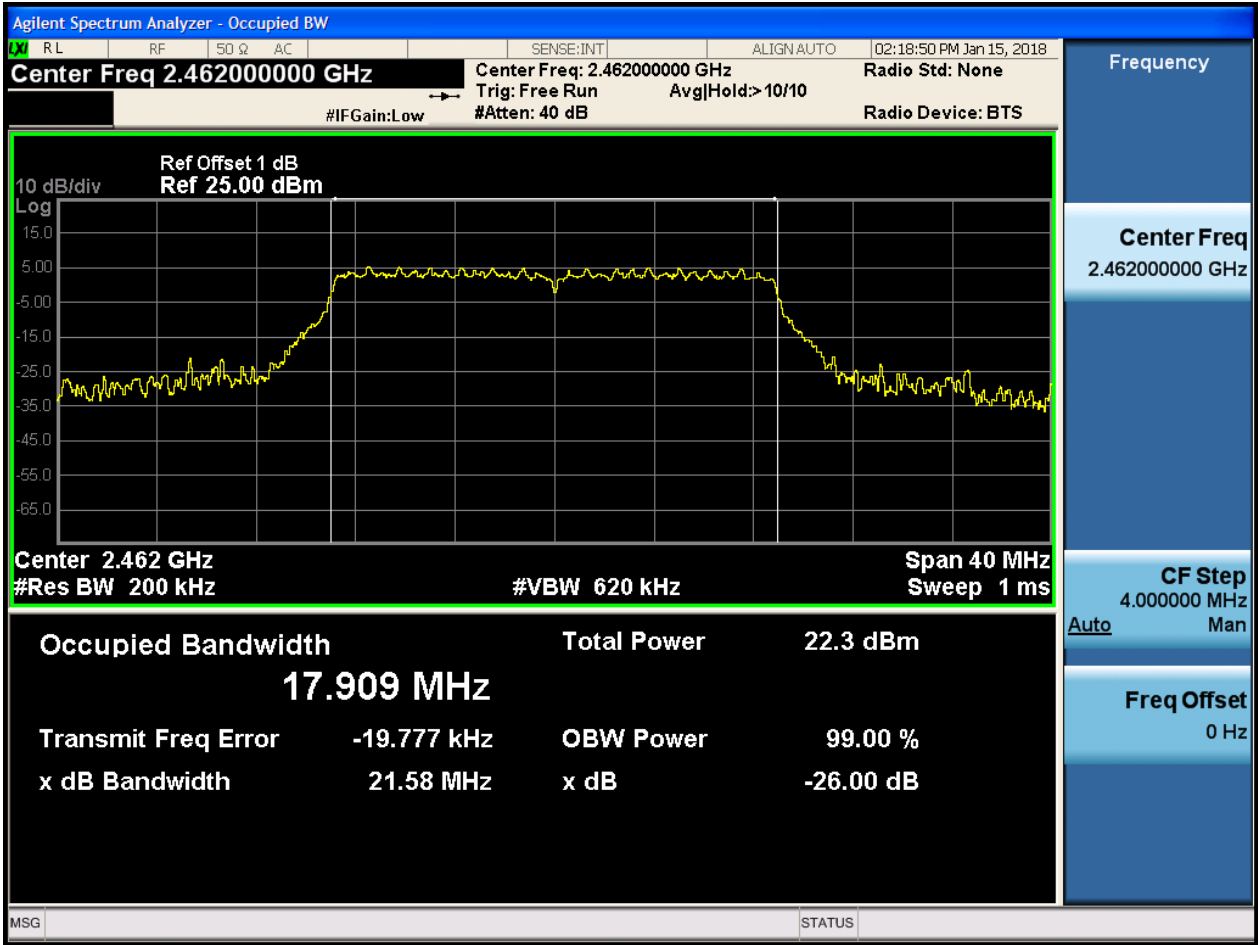


2.23 11N20m_H@Ant 1



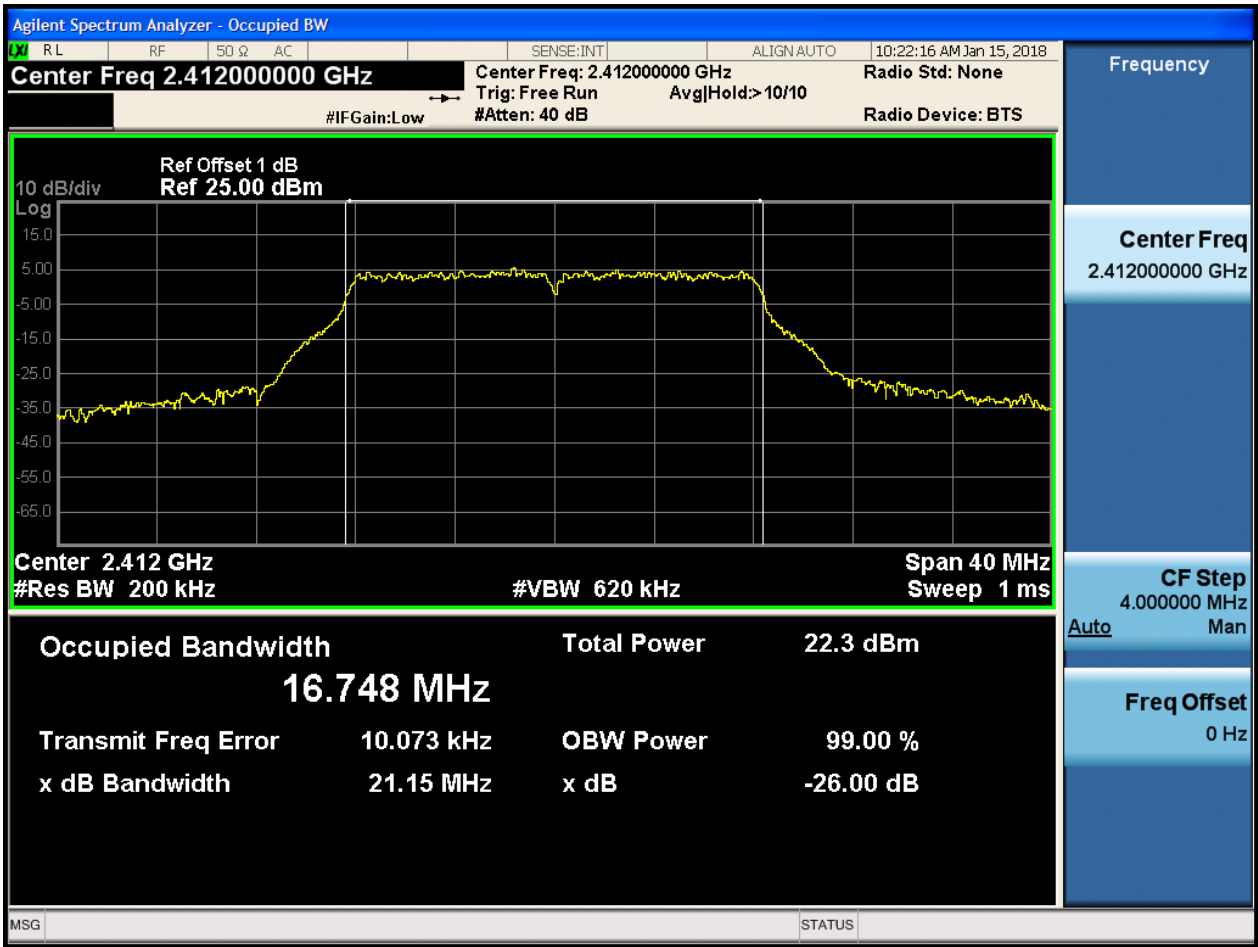


2.24 11N20m_H@Ant 2



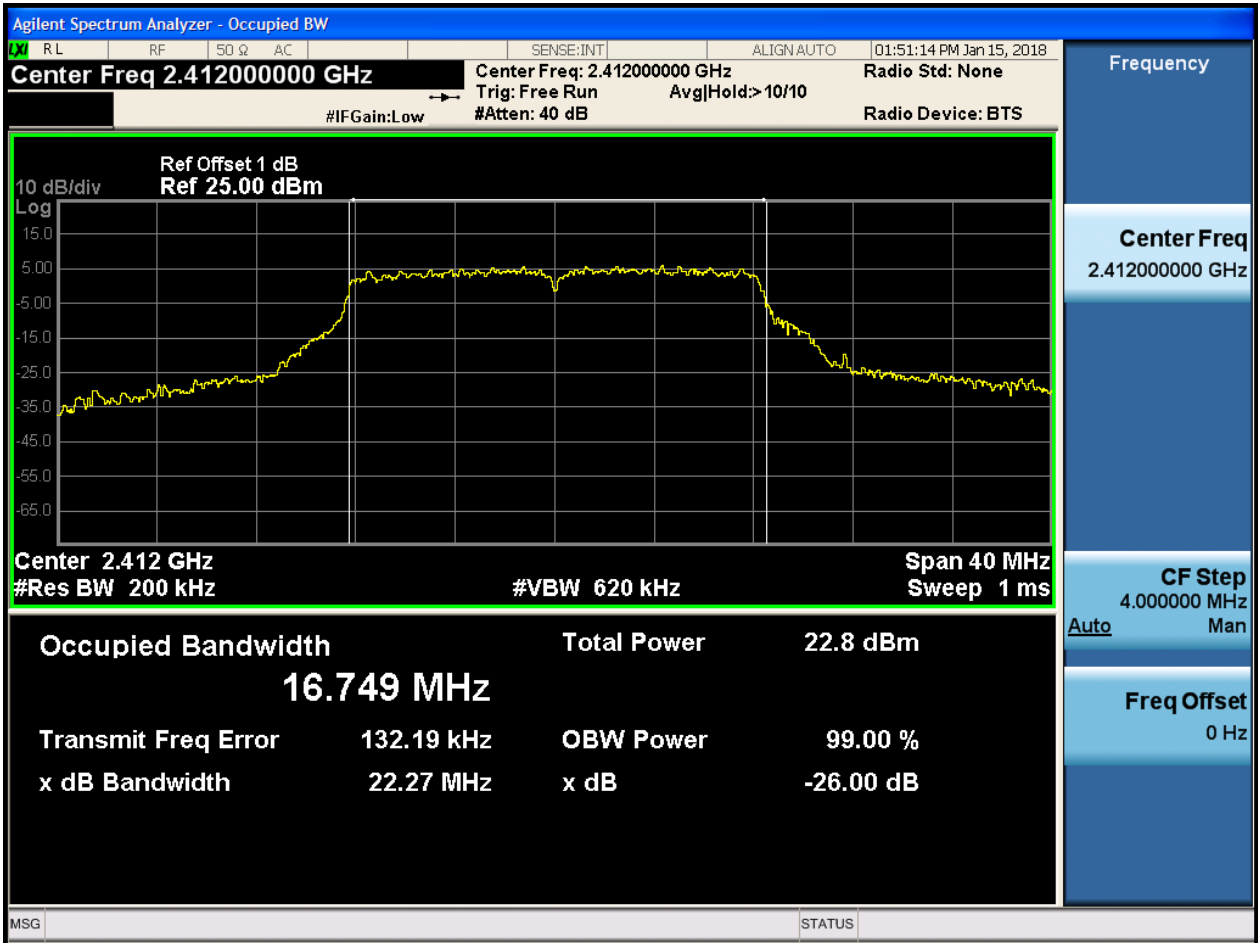


2.25 11G CDD_L@Ant 1



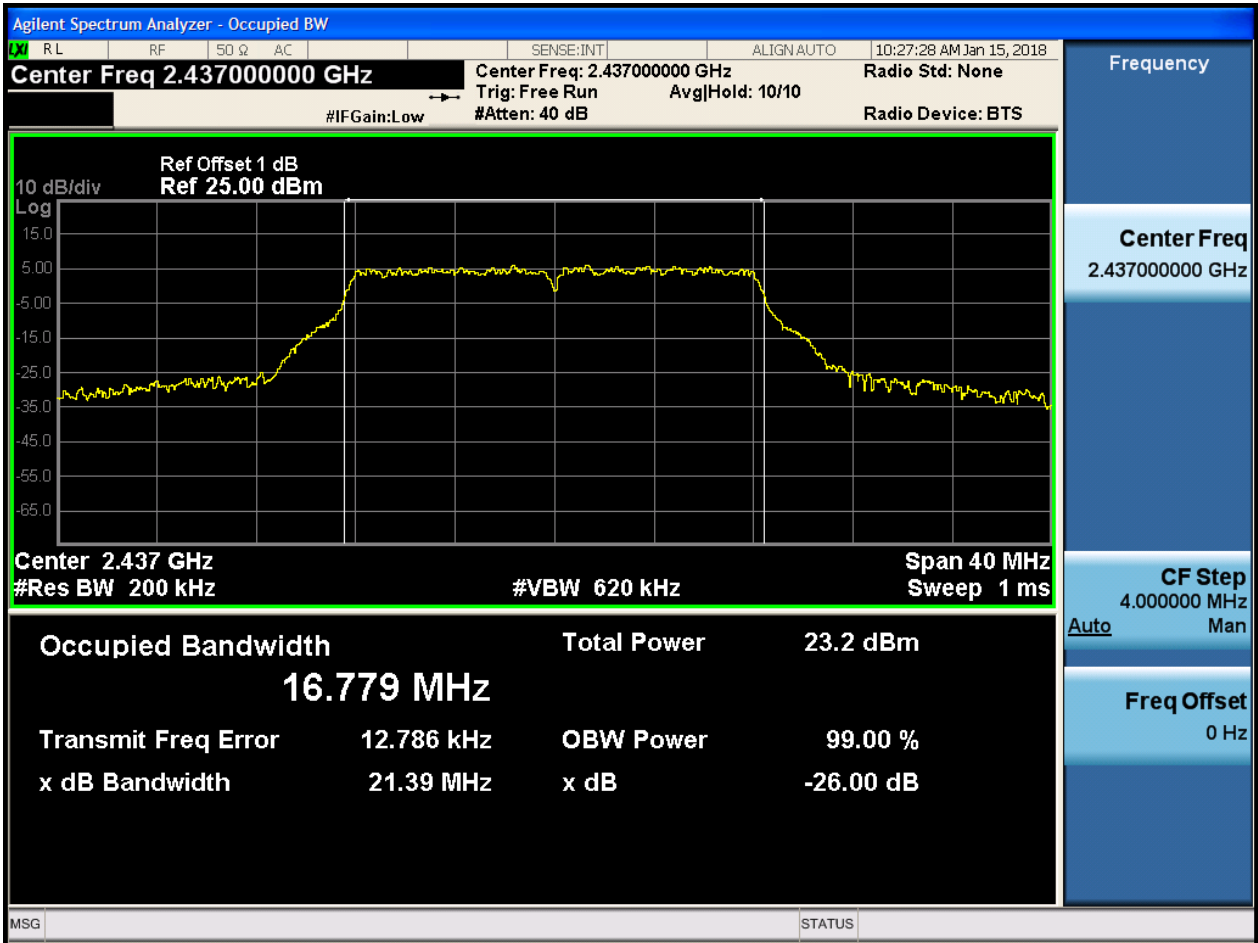


2.26 11G CDD_L@Ant 2



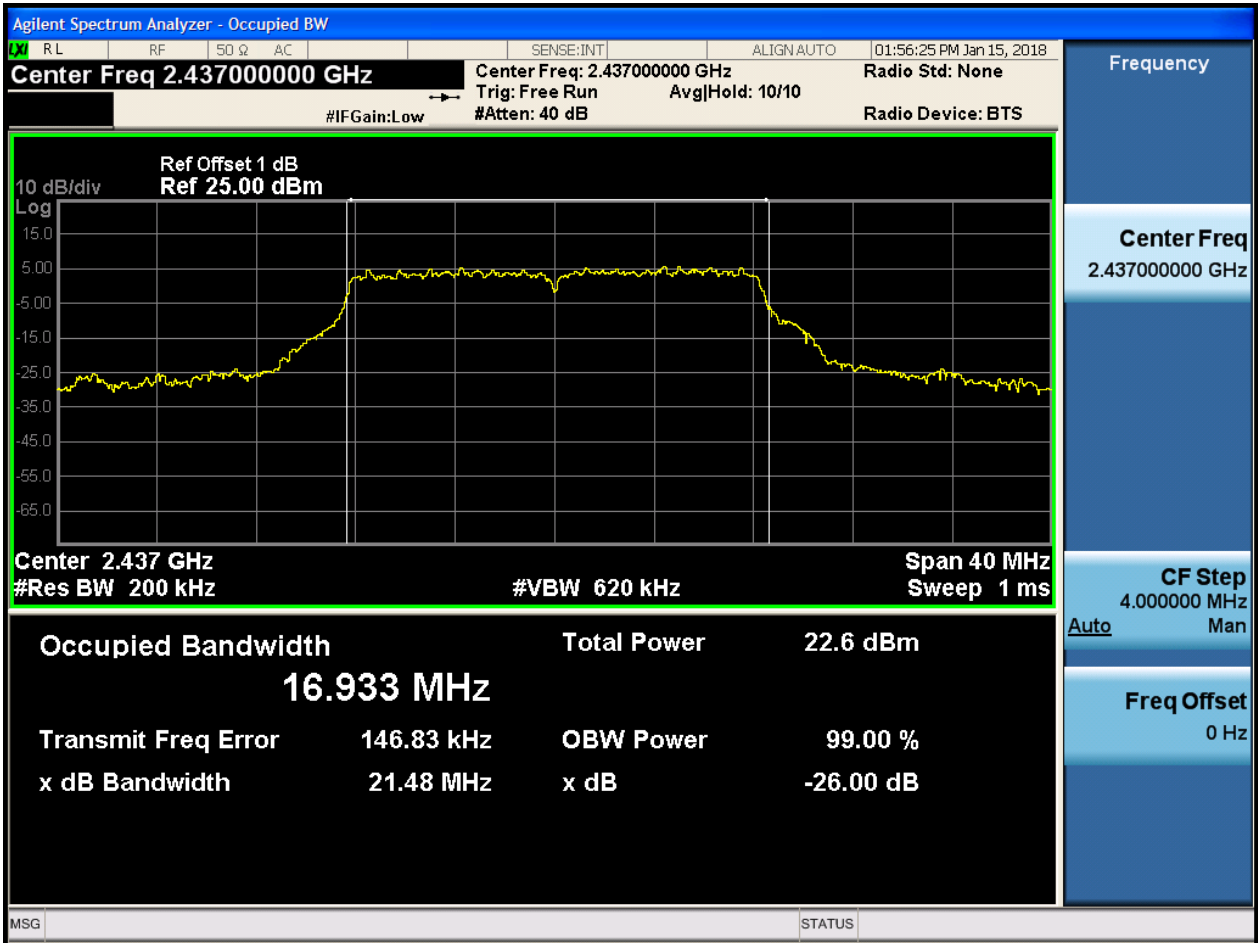


2.27 11G CDD_M@Ant 1



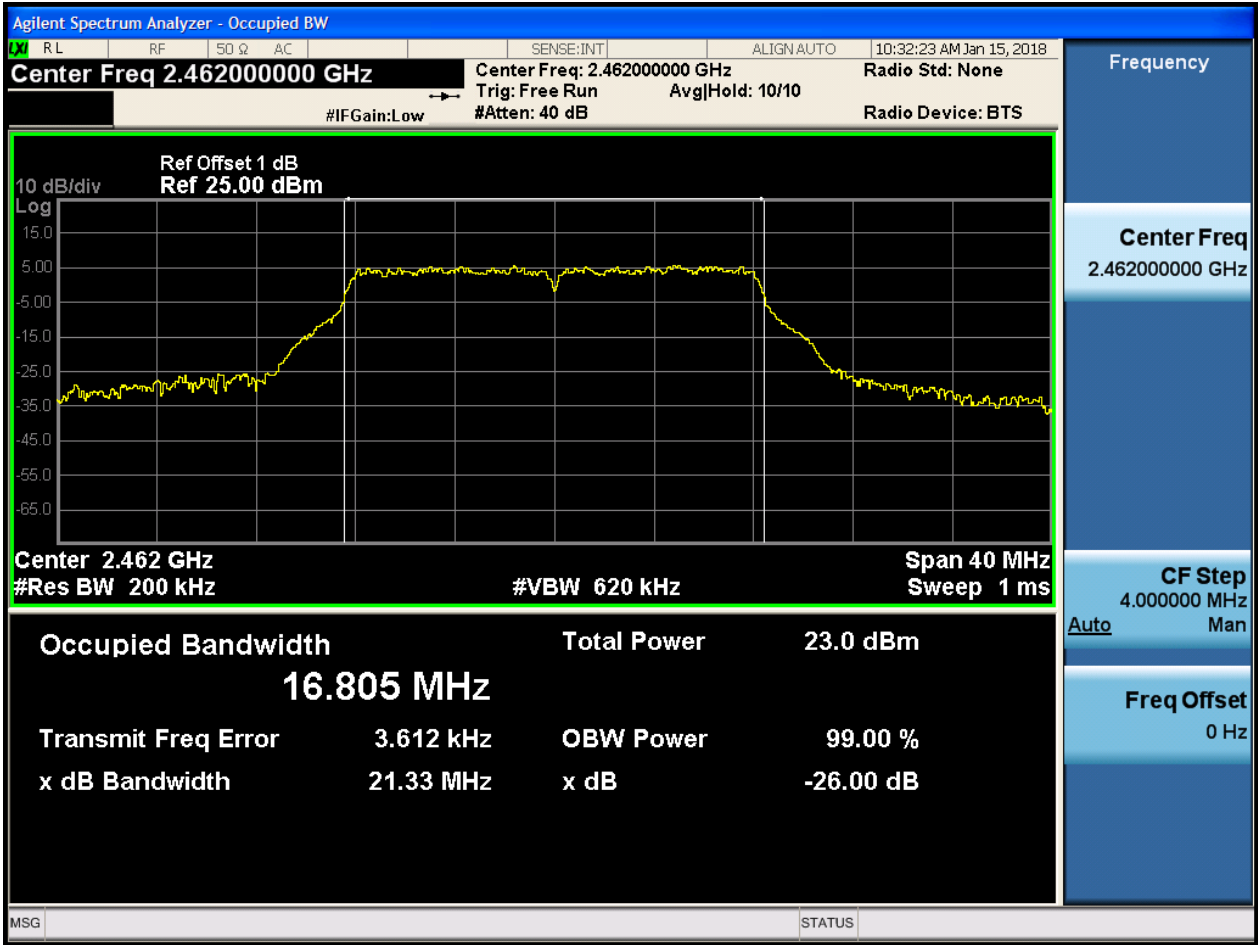


2.28 11G CDD_M@Ant 2



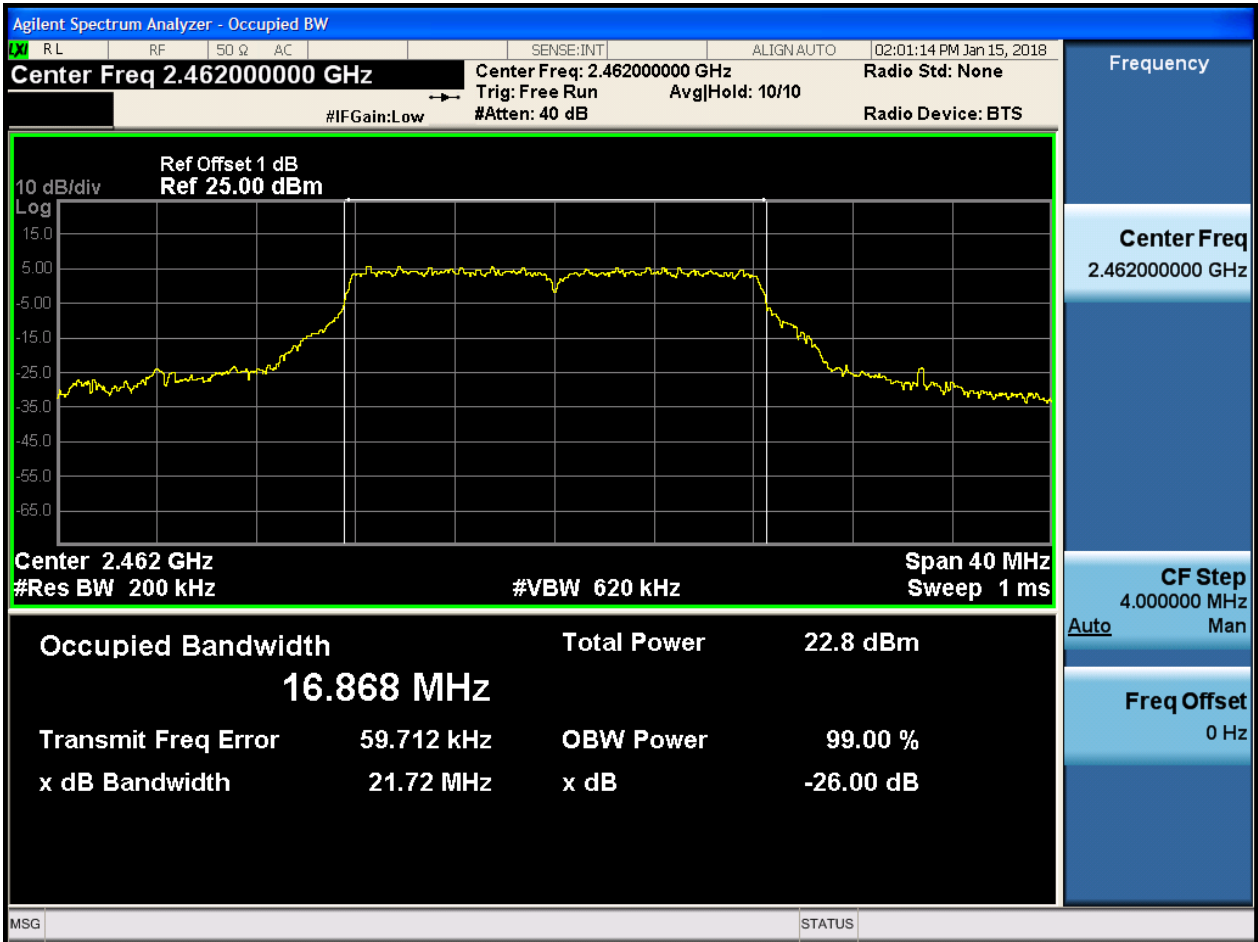


2.29 11G CDD_H@Ant 1





2.30 11G CDD_H@Ant 2



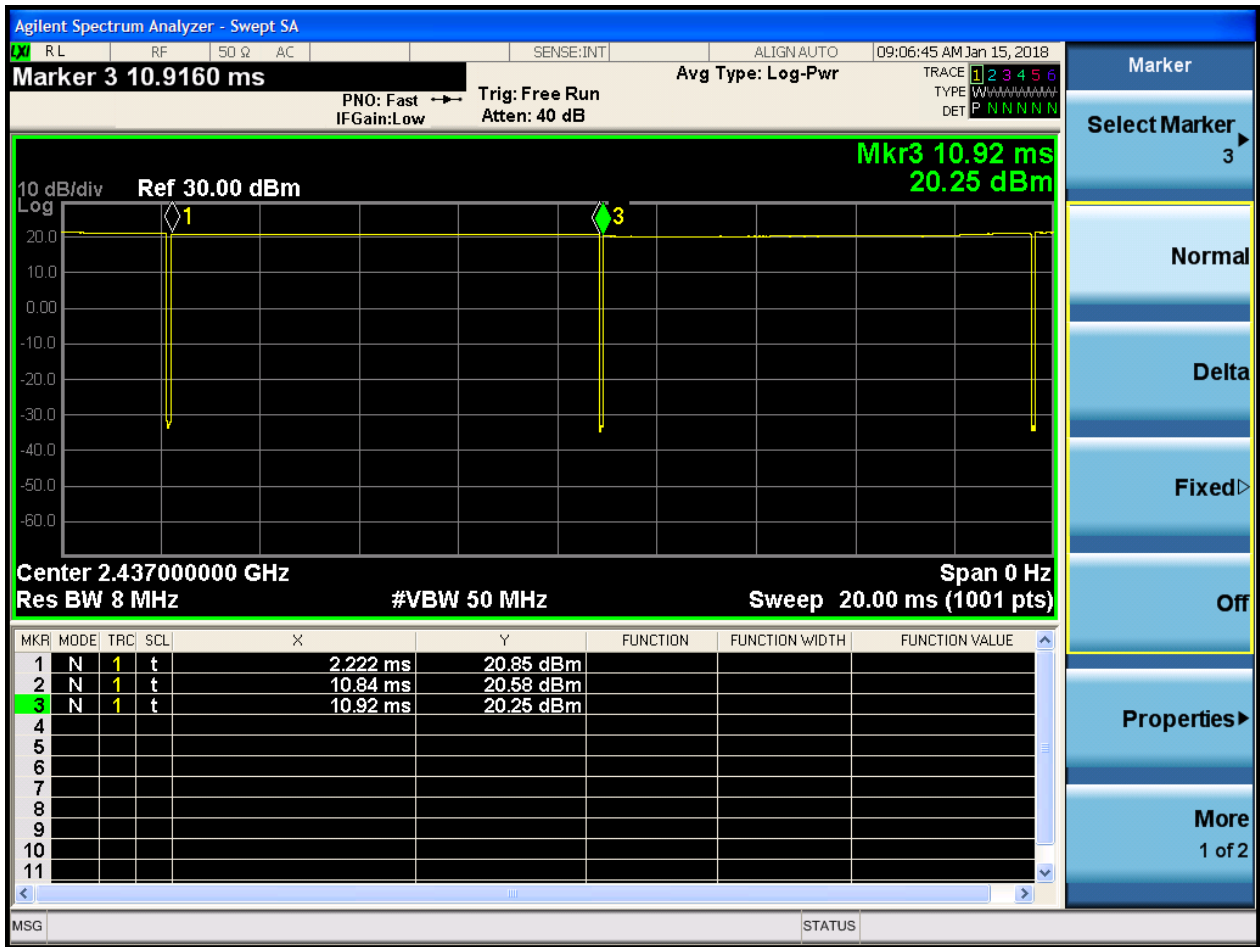
Appendix C: Duty Cycle

Part I - Test Results

Test Mode	TX Freq. [MHz]	Ant	Duty cycle [%]
11B	CH1,CH6,CH11	Ant 1	99
11B	CH1,CH6,CH11	Ant 2	99
11G	CH1,CH6,CH11	Ant 1	94
11G	CH1,CH6,CH11	Ant 2	94
11N20SISO	CH1,CH6,CH11	Ant 1	93
11N20SISO	CH1,CH6,CH11	Ant 2	92
11N20MIMO	CH1,CH6,CH11	Ant 1	87
11N20MIMO	CH1,CH6,CH11	Ant 2	87
11G_CDD	CH1,CH6,CH11	Ant 1	94
11G_CDD	CH1,CH6,CH11	Ant 2	94

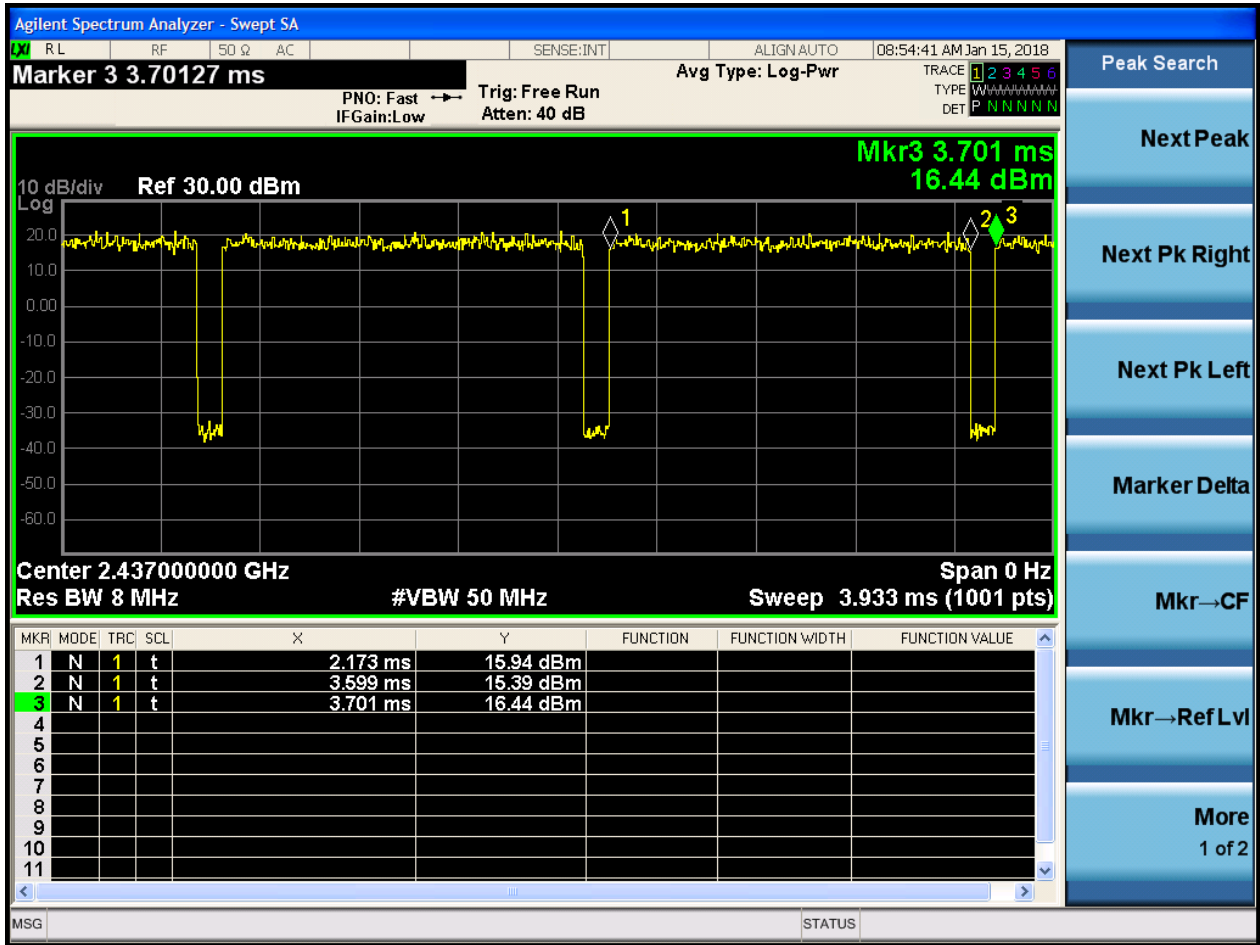


11B_ANT2





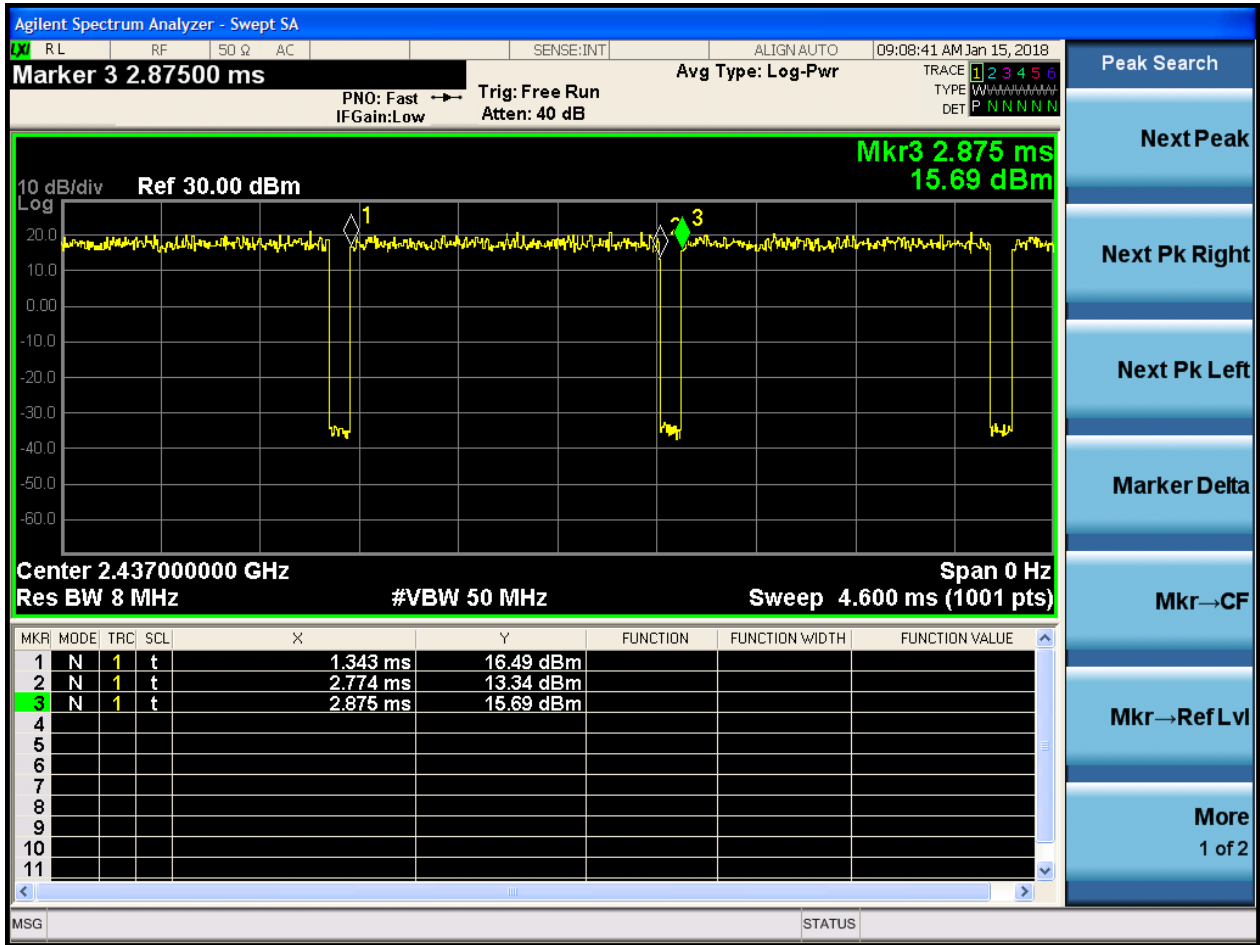
11G_ANT1



- Peak Search
- Next Peak
- Next Pk Right
- Next Pk Left
- Marker Delta
- Mkr→CF
- Mkr→Ref Lvl
- More 1 of 2



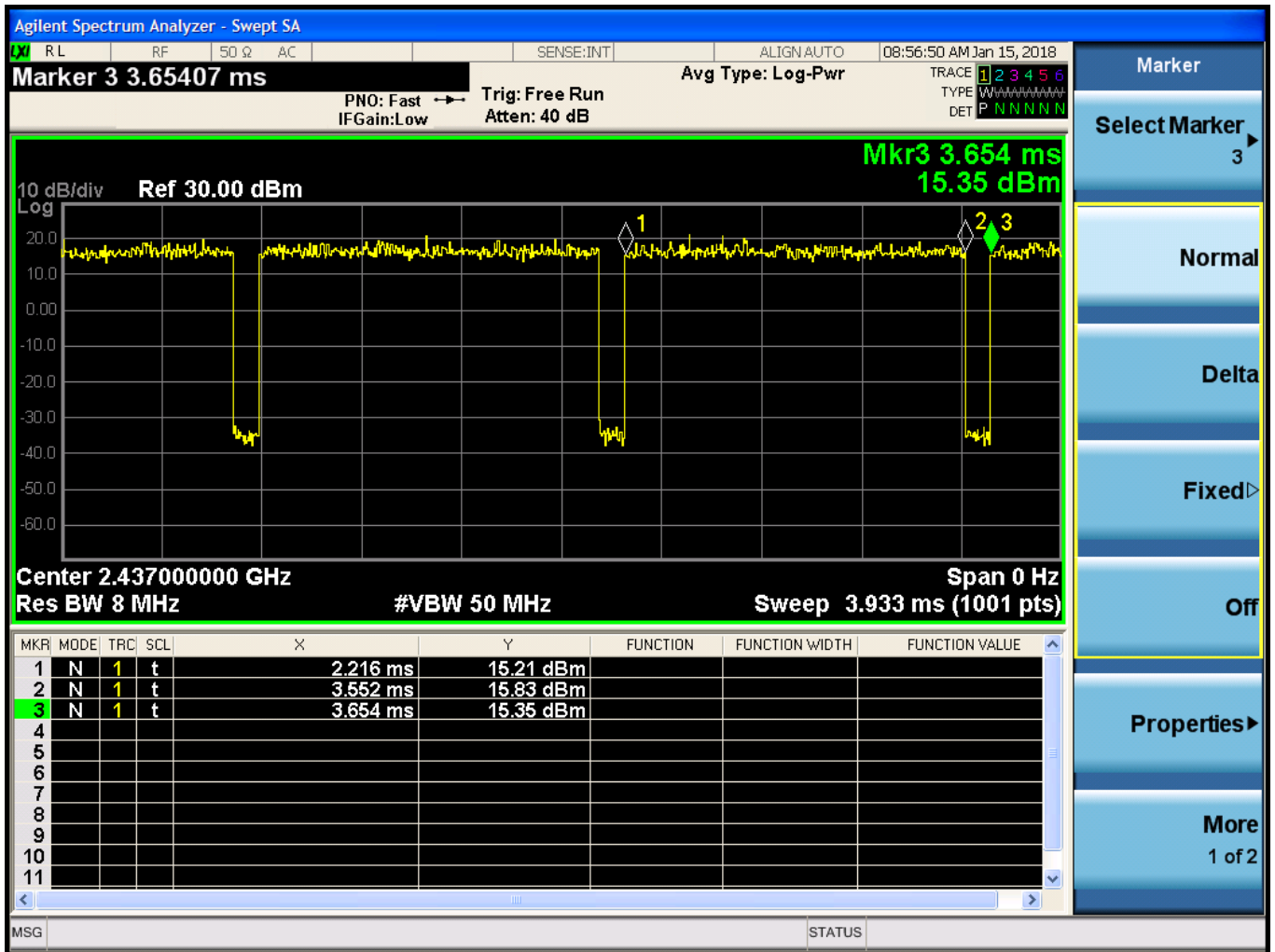
11G_ANT2



- Peak Search
- Next Peak
- Next Pk Right
- Next Pk Left
- Marker Delta
- Mkr→CF
- Mkr→Ref Lvl
- More 1 of 2

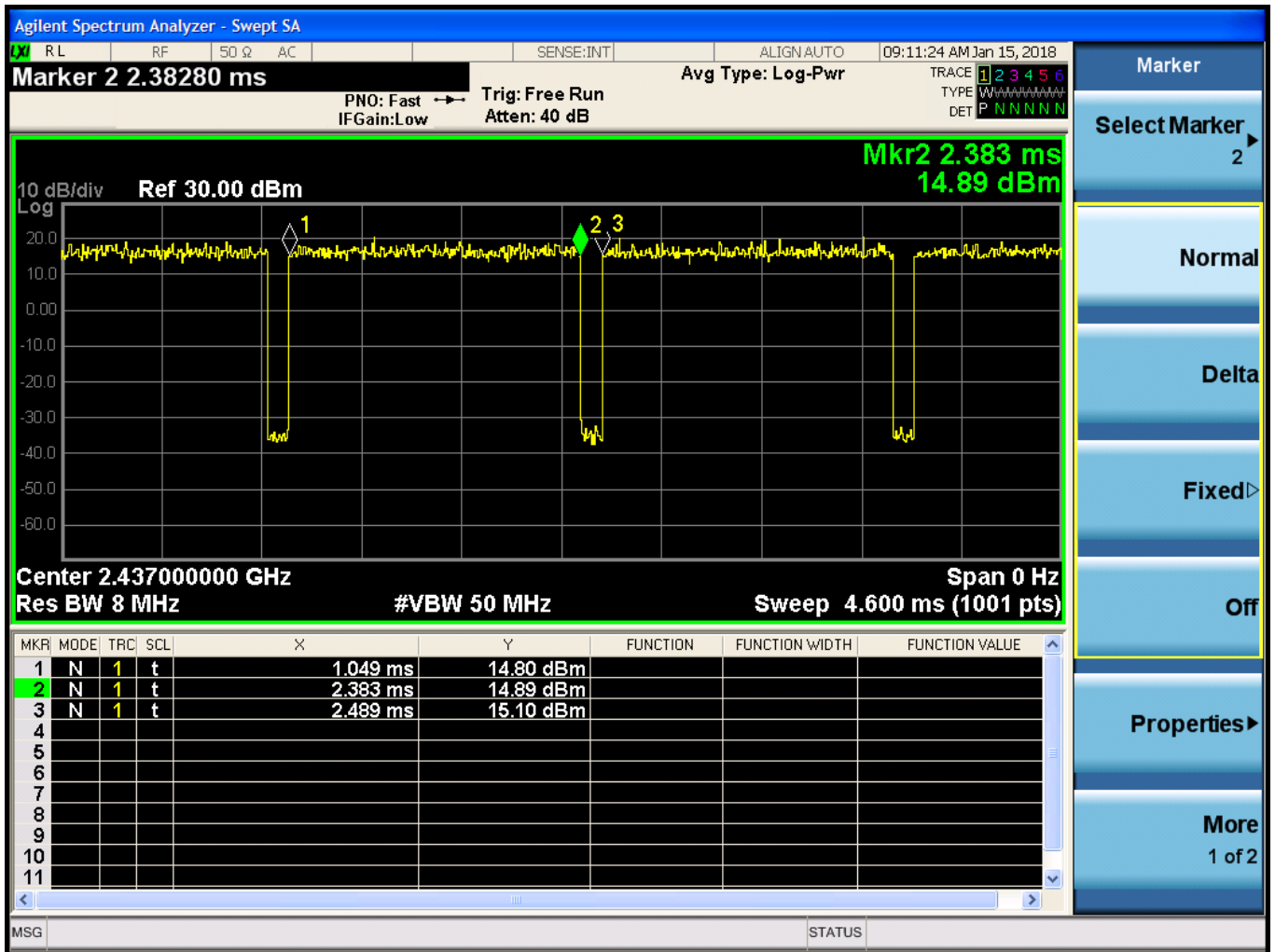


11N20SISO_ANT1



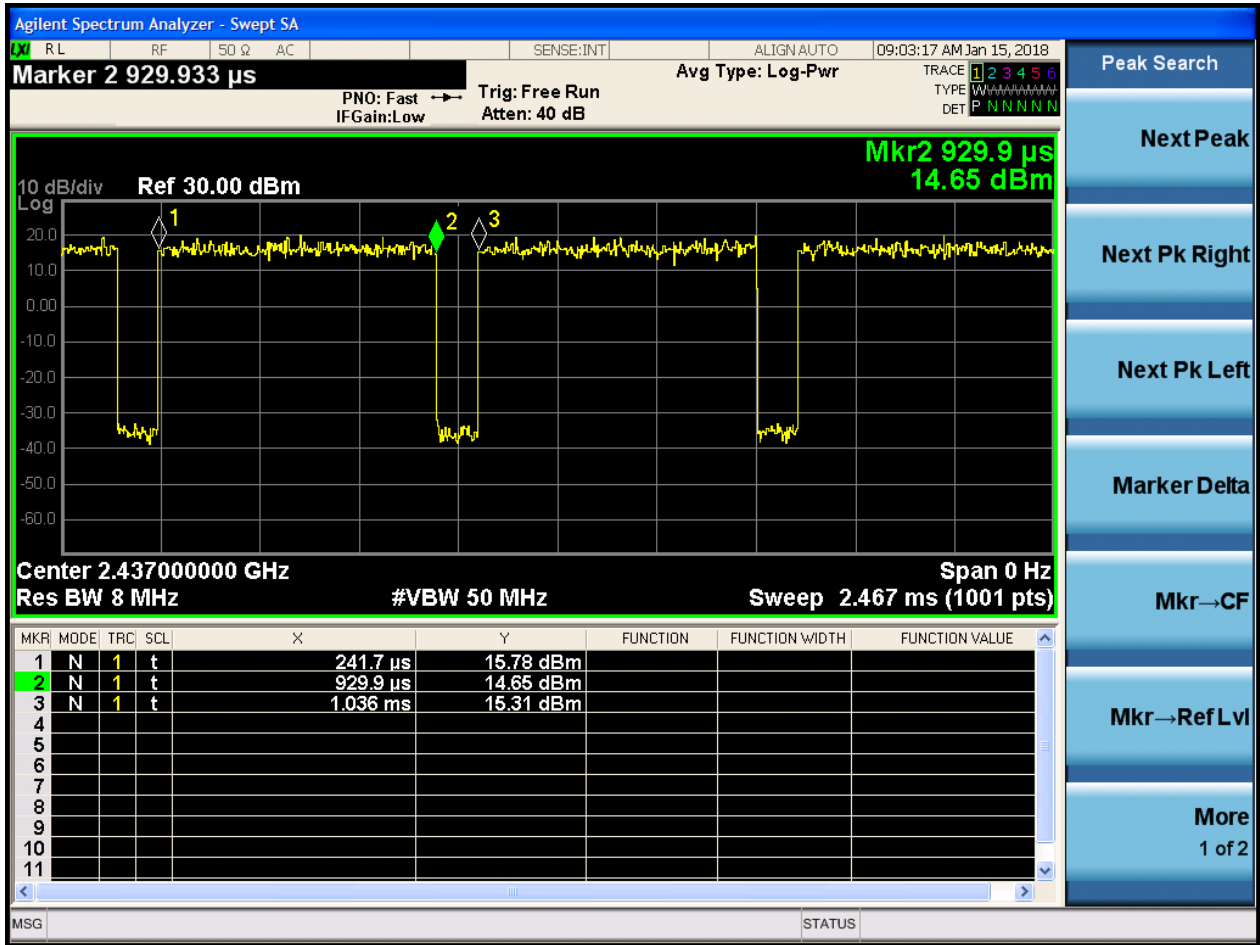


11N20SISO_ANT2



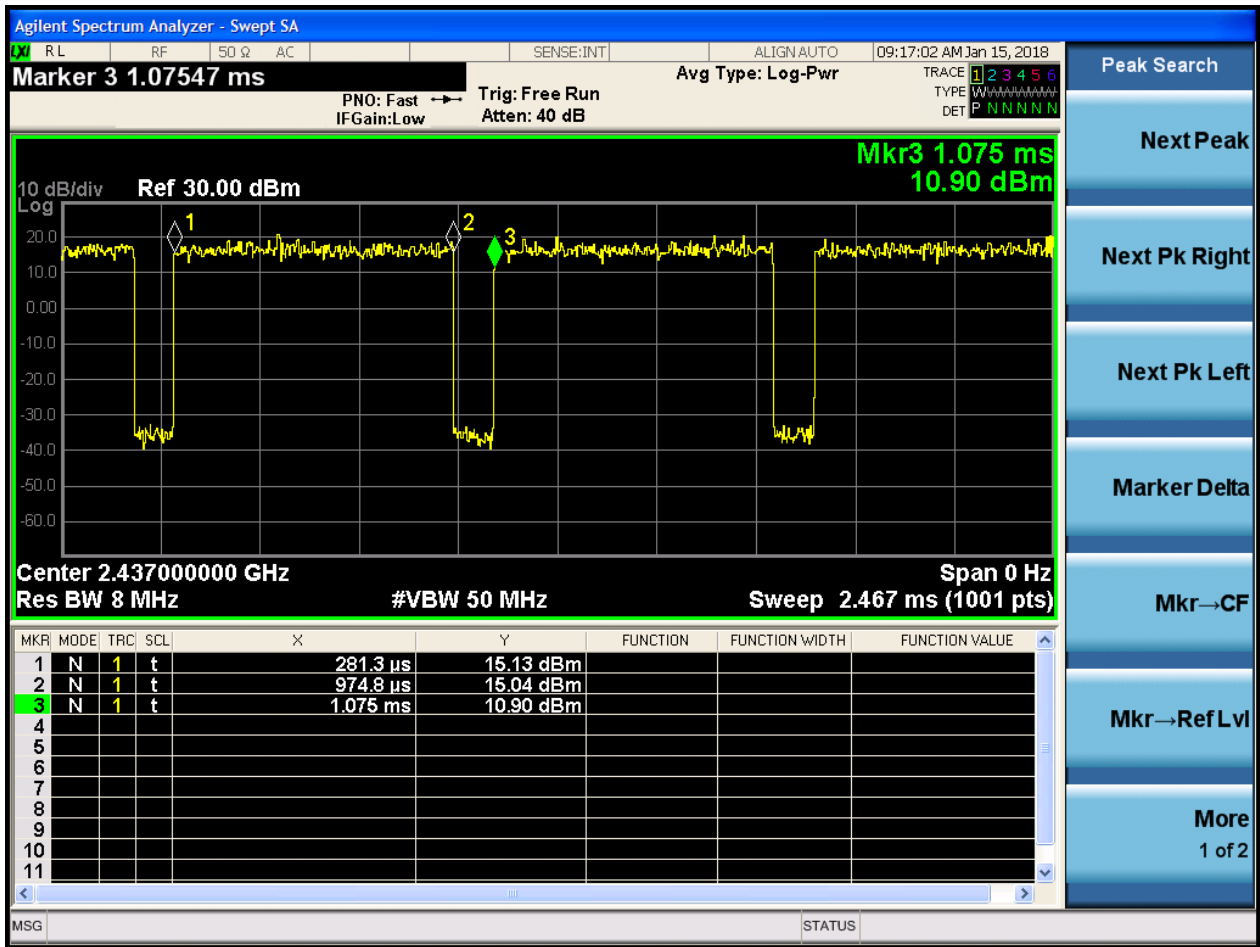


11N20MIMO_ANT1



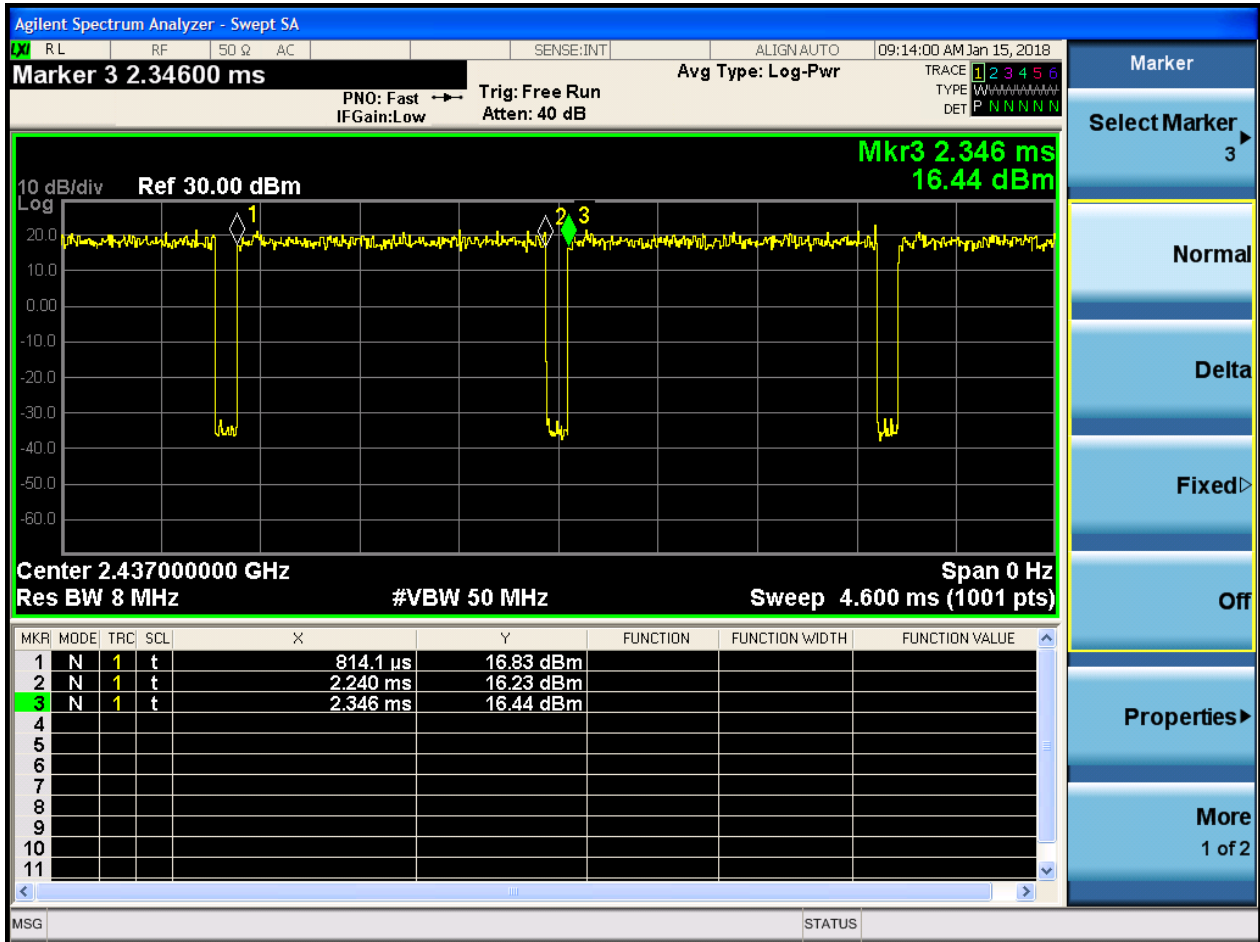


11N20MIMO_ANT2





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	18.40	pass
11B	L	2412	Ant 2	99	18.00	pass
11B	M	2437	Ant 1	99	18.32	pass
11B	M	2437	Ant 2	99	17.77	pass
11B	H	2462	Ant 1	99	18.21	pass
11B	H	2462	Ant 2	99	18.29	pass
11G	L	2412	Ant 1	94	15.10	pass
11G	L	2412	Ant 2	94	15.53	pass
11G	M	2437	Ant 1	94	15.85	pass
11G	M	2437	Ant 2	94	15.41	pass
11G	H	2462	Ant 1	94	15.59	pass
11G	H	2462	Ant 2	94	15.77	pass
11N20	L	2412	Ant 1	93	14.10	pass
11N20	L	2412	Ant 2	92	14.47	pass
11N20	M	2437	Ant 1	93	14.59	pass



Test Mode	Test Channel	Frequency[MHz]	Ant	Duty Cycle [%]	Power[dBm]	Verdict
11N20	M	2437	Ant 2	92	14.43	Pass
11N20	H	2462	Ant 1	93	14.32	pass
11N20	H	2462	Ant 2	92	14.95	pass
11N20m	L	2412	Ant 1	87	14.14	pass
11N20m	L	2412	Ant 2	87	14.93	pass
11N20m	L	2412	SUM	87	17.56	pass
11N20m	M	2437	Ant 1	87	15.00	pass
11N20m	M	2437	Ant 2	87	14.95	pass
11N20m	M	2437	SUM	87	17.99	pass
11N20m	H	2462	Ant 1	87	15.01	pass
11N20m	H	2462	Ant 2	87	15.42	pass
11N20m	H	2462	SUM	87	18.23	pass
11G CDD	L	2412	Ant 1	94	15.29	pass
11G CDD	L	2412	Ant 2	94	15.97	pass
11G CDD	L	2412	SUM	94	18.65	pass
11G CDD	M	2437	Ant 1	94	16.15	pass
11G CDD	M	2437	Ant 2	94	15.79	pass



Test Mode	Test Channel	Frequency[MHz]	Ant	Duty Cycle [%]	Power[dBm]	Verdict
11G CDD	M	2437	SUM	94	18.98	pass
11G CDD	H	2462	Ant 1	94	16.06	pass
11G CDD	H	2462	Ant 2	94	15.97	pass
11G CDD	H	2462	SUM	94	19.03	pass



Part II - Test Plots

2.1 11B_L@Ant 1





2.2 11B_L@Ant 2

