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.

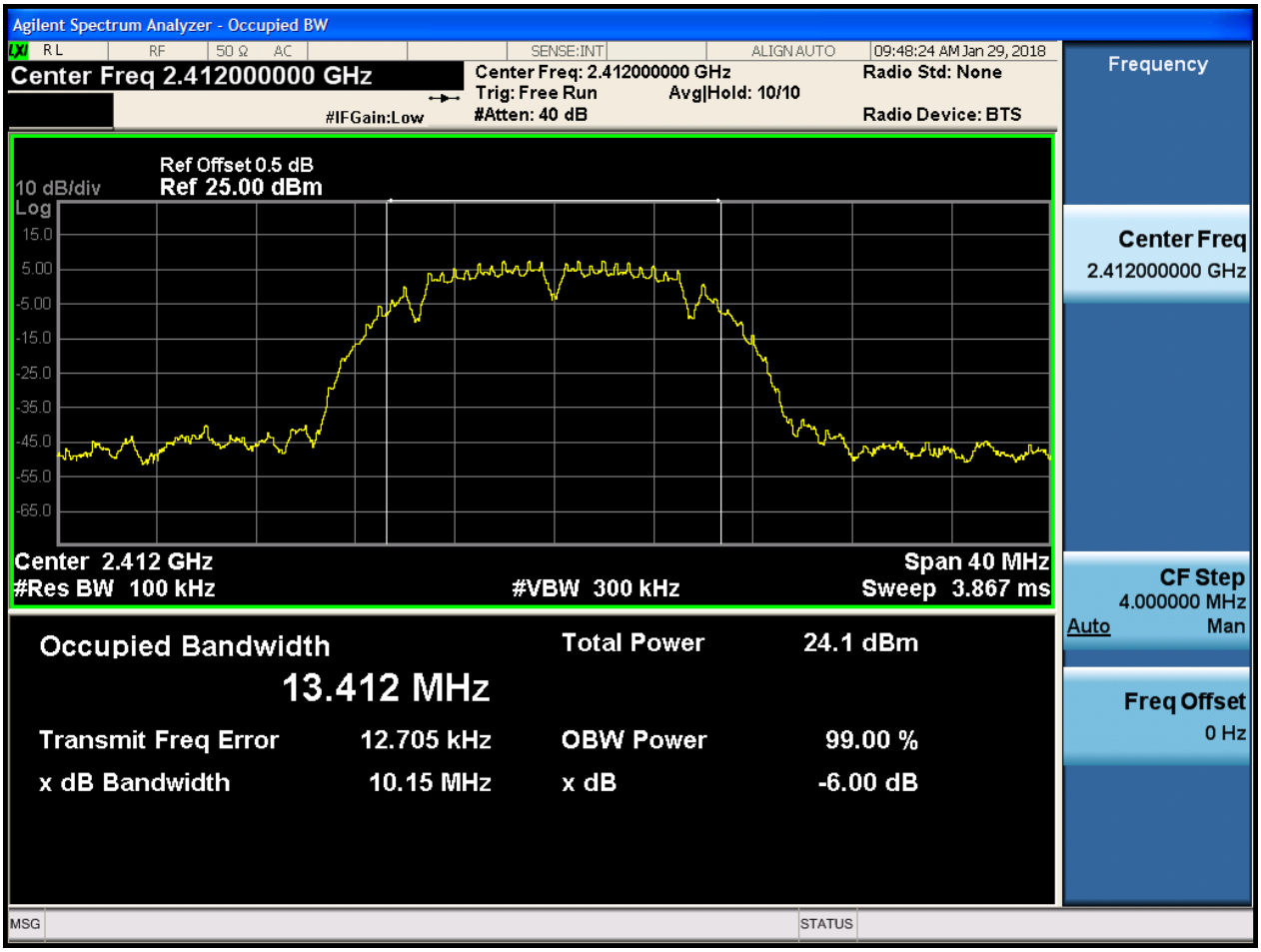
Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	DTS6dBBW[MHz]	Verdict
11B	L	2412	Ant 1	10.15	pass
11B	L	2412	Ant 2	10.15	pass
11B	M	2437	Ant 1	10.16	pass
11B	M	2437	Ant 2	10.15	pass
11B	H	2452	Ant 1	10.15	pass
11B	H	2452	Ant 2	10.15	pass
11B	H	2462	Ant 1	10.16	pass
11B	H	2462	Ant 2	10.16	pass
11G	L	2412	Ant 1	15.14	pass
11G	L	2412	Ant 2	15.08	pass
11G	M	2437	Ant 1	15.16	pass
11G	M	2437	Ant 2	15.16	pass
11G	H	2452	Ant 1	15.11	pass
11G	H	2452	Ant 2	15.14	pass
11G	H	2462	Ant 1	15.16	pass
11G	H	2462	Ant 2	15.13	pass
11N20	L	2412	Ant 1	15.16	pass
11N20	L	2412	Ant 2	13.93	pass
11N20	M	2437	Ant 1	15.13	pass
11N20	M	2437	Ant 2	15.02	pass
11N20	H	2452	Ant 1	15.12	pass
11N20	H	2452	Ant 2	15.11	pass
11N20	H	2462	Ant 1	15.15	pass
11N20	H	2462	Ant 2	13.90	pass
11N20m	L	2412	Ant 1	15.17	pass
11N20m	L	2412	Ant 2	15.35	pass
11N20m	M	2437	Ant 1	15.16	pass

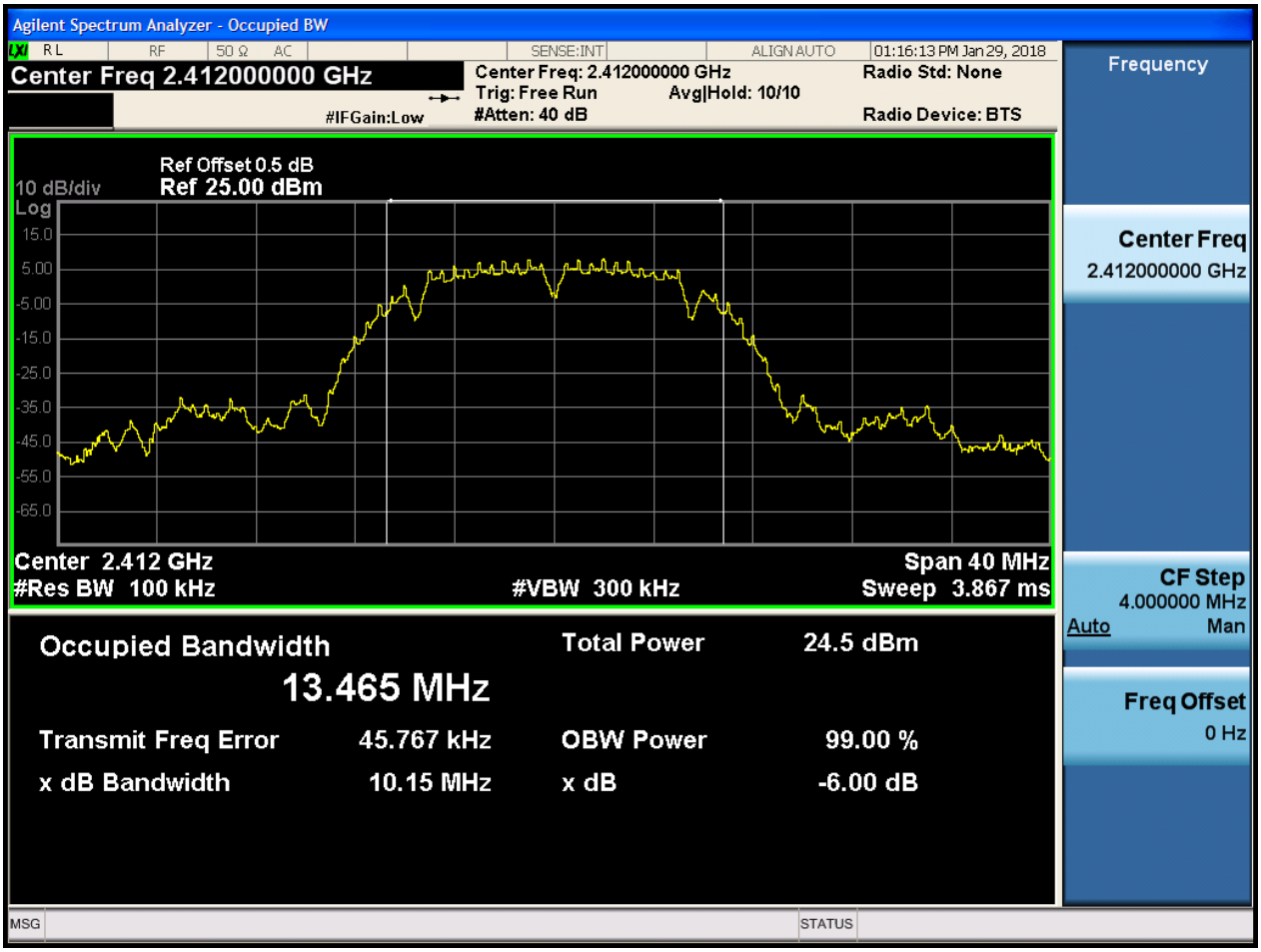
Test Mode	Test Channel	Frequency[MHz]	Ant	DTS6dBBW[MHz]	Verdict
11N20m	M	2437	Ant 2	15.74	pass
11N20m	H	2452	Ant 1	15.14	pass
11N20m	H	2452	Ant 2	15.16	pass
11N20m	H	2462	Ant 1	15.11	pass
11N20m	H	2462	Ant 2	15.69	pass
11N40	L	2422	Ant 1	35.12	pass
11N40	L	2422	Ant 2	35.14	pass
11N40	M	2437	Ant 1	35.11	pass
11N40	M	2437	Ant 2	35.12	pass
11N40	H	2452	Ant 1	35.07	pass
11N40	H	2452	Ant 2	35.14	pass
11N40m	L	2422	Ant 1	35.12	pass
11N40m	L	2422	Ant 2	35.12	pass
11N40m	M	2437	Ant 1	35.14	pass
11N40m	M	2437	Ant 2	35.13	pass
11N40m	H	2452	Ant 1	35.11	pass
11N40m	H	2452	Ant 2	35.14	pass

Part II - Test Plots

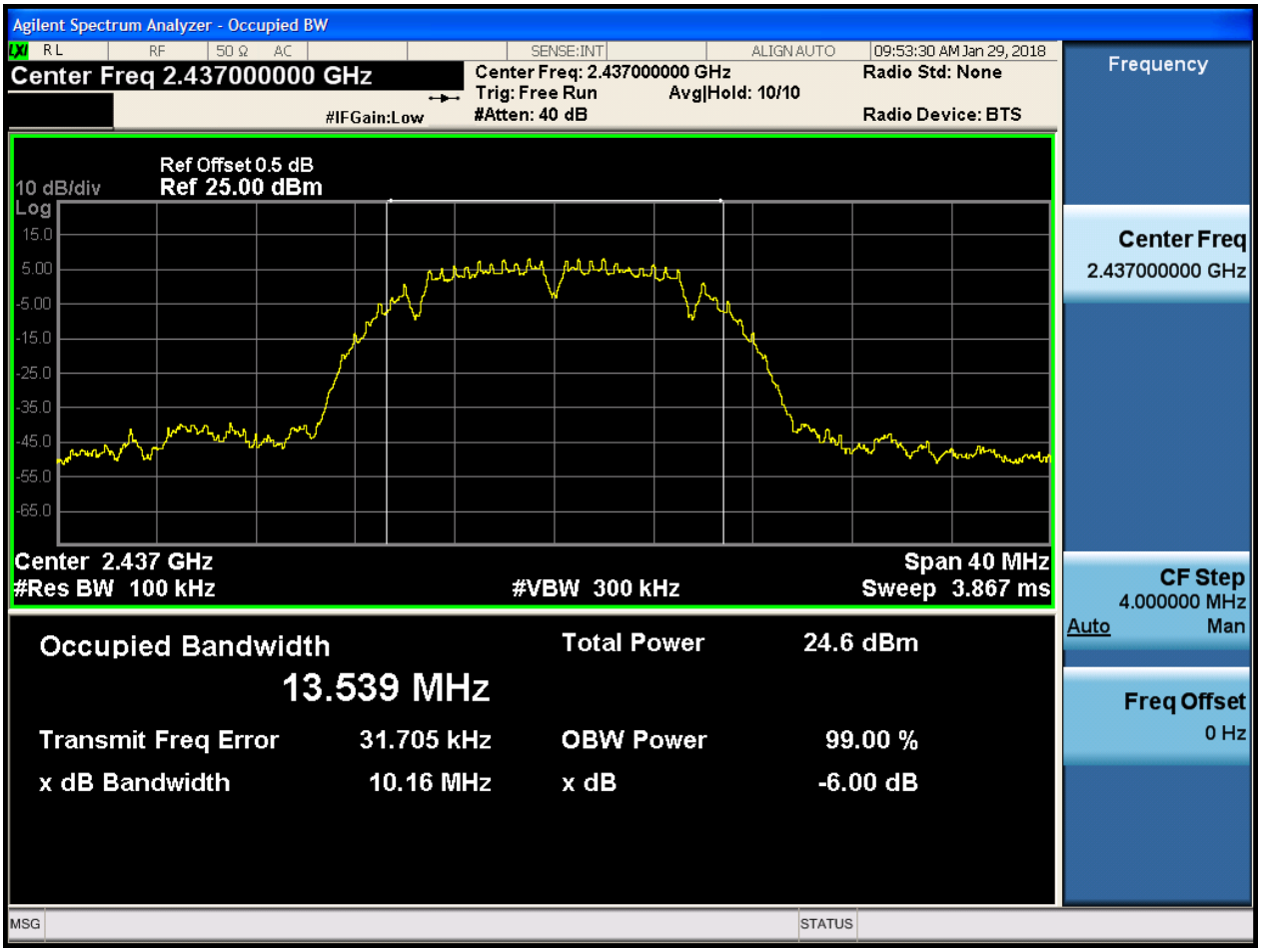
2.1 11B_L@Ant 1



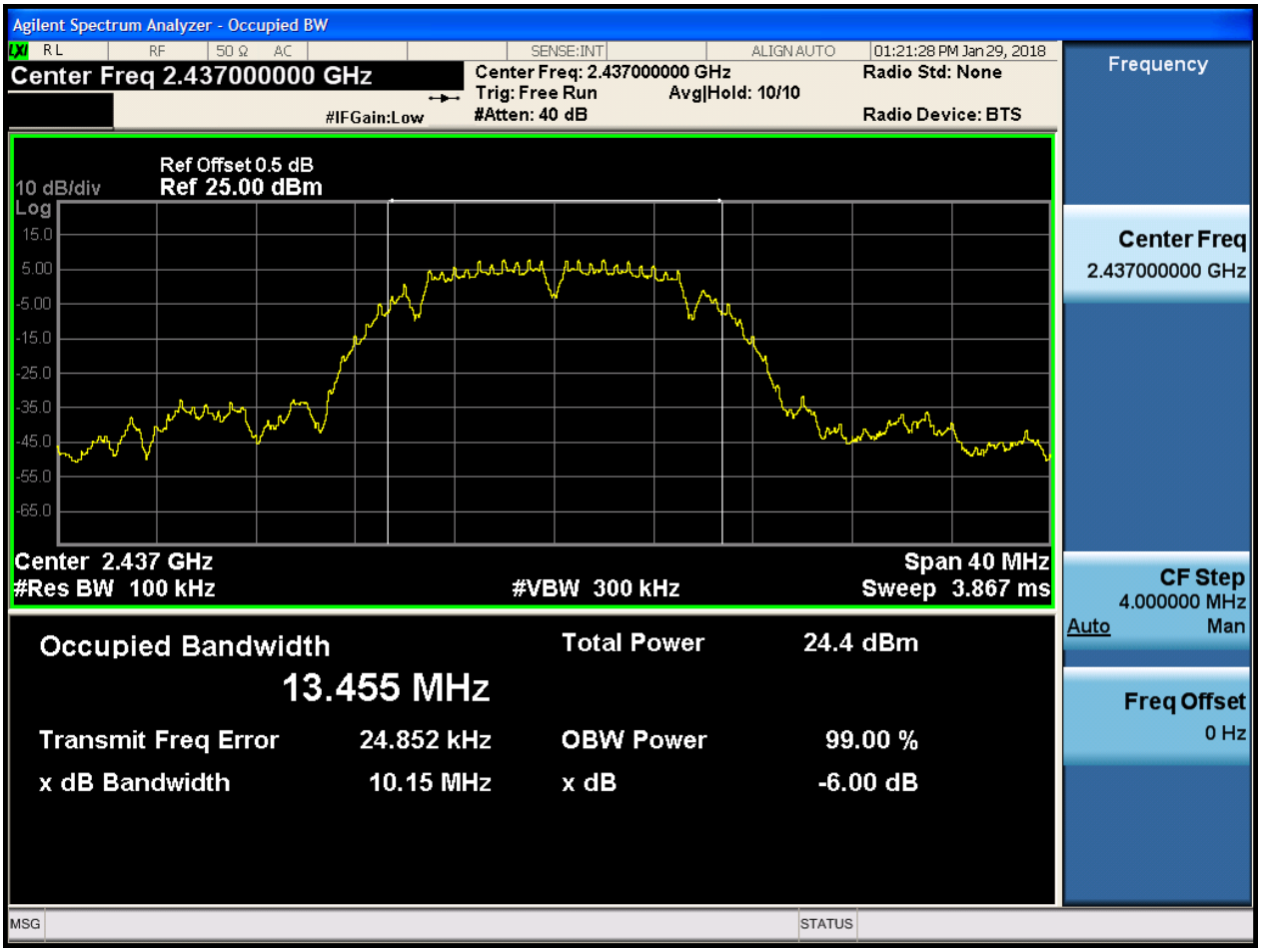
2.2 11B_L@Ant 2



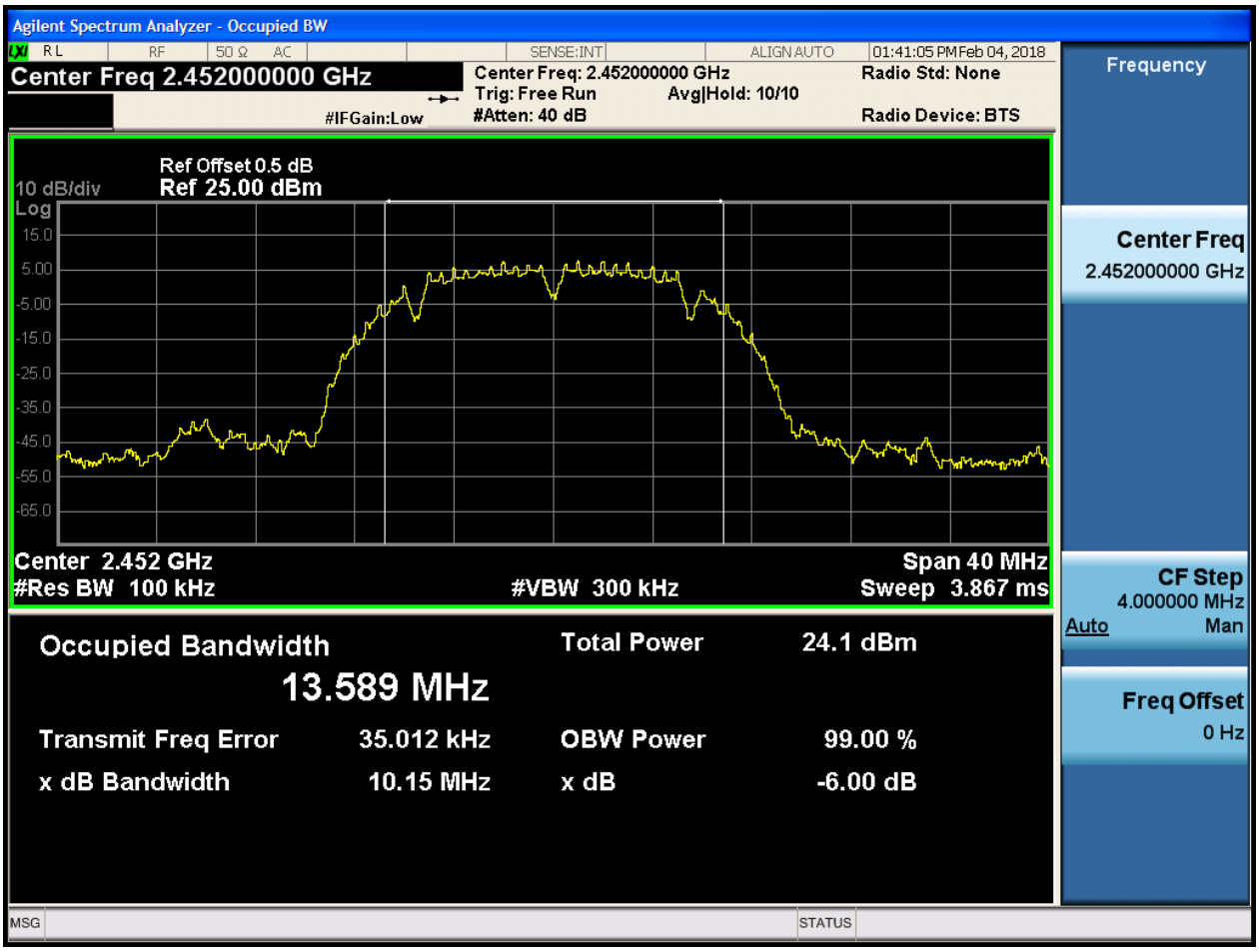
2.3 11B_M@Ant 1



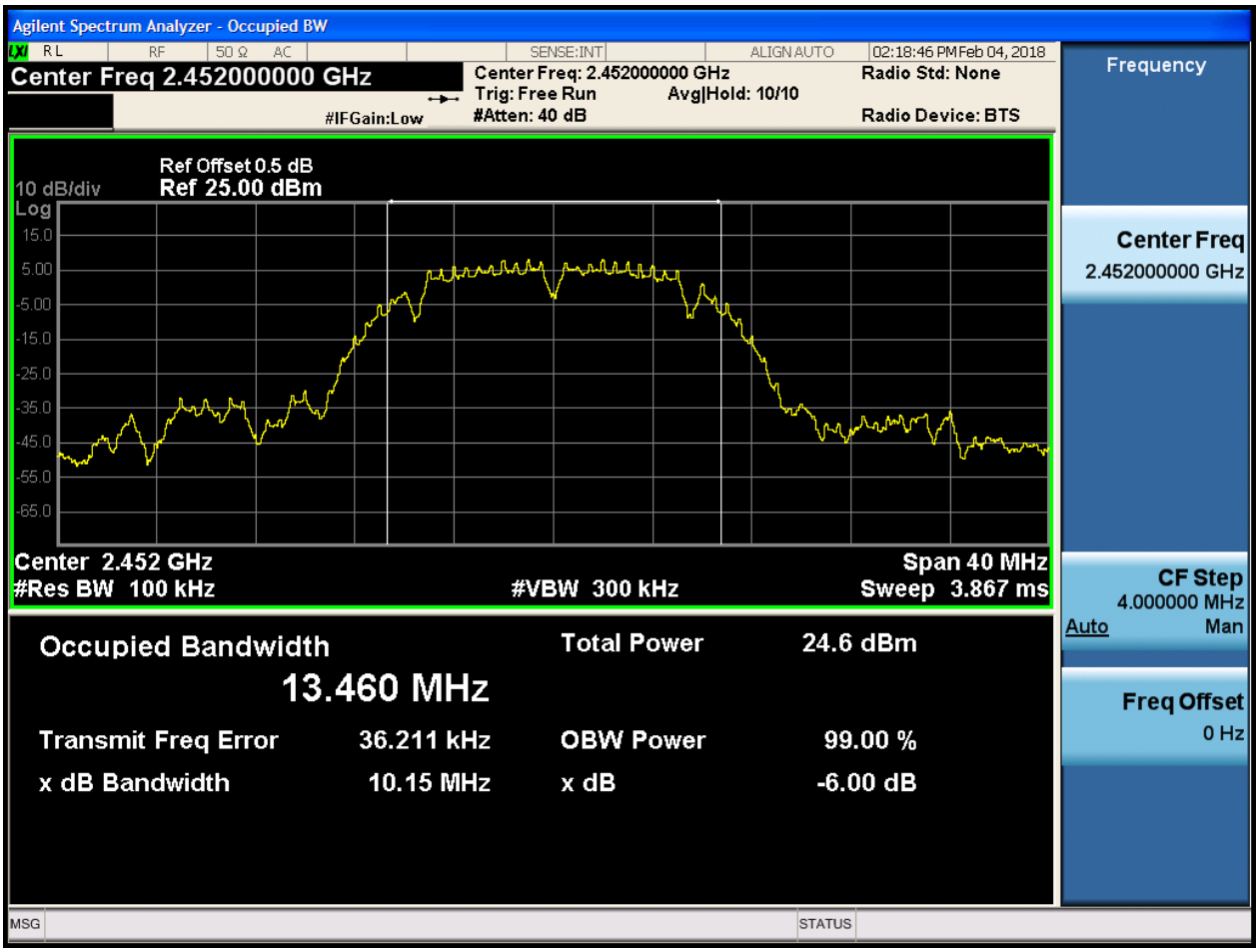
2.4 11B_M@Ant 2



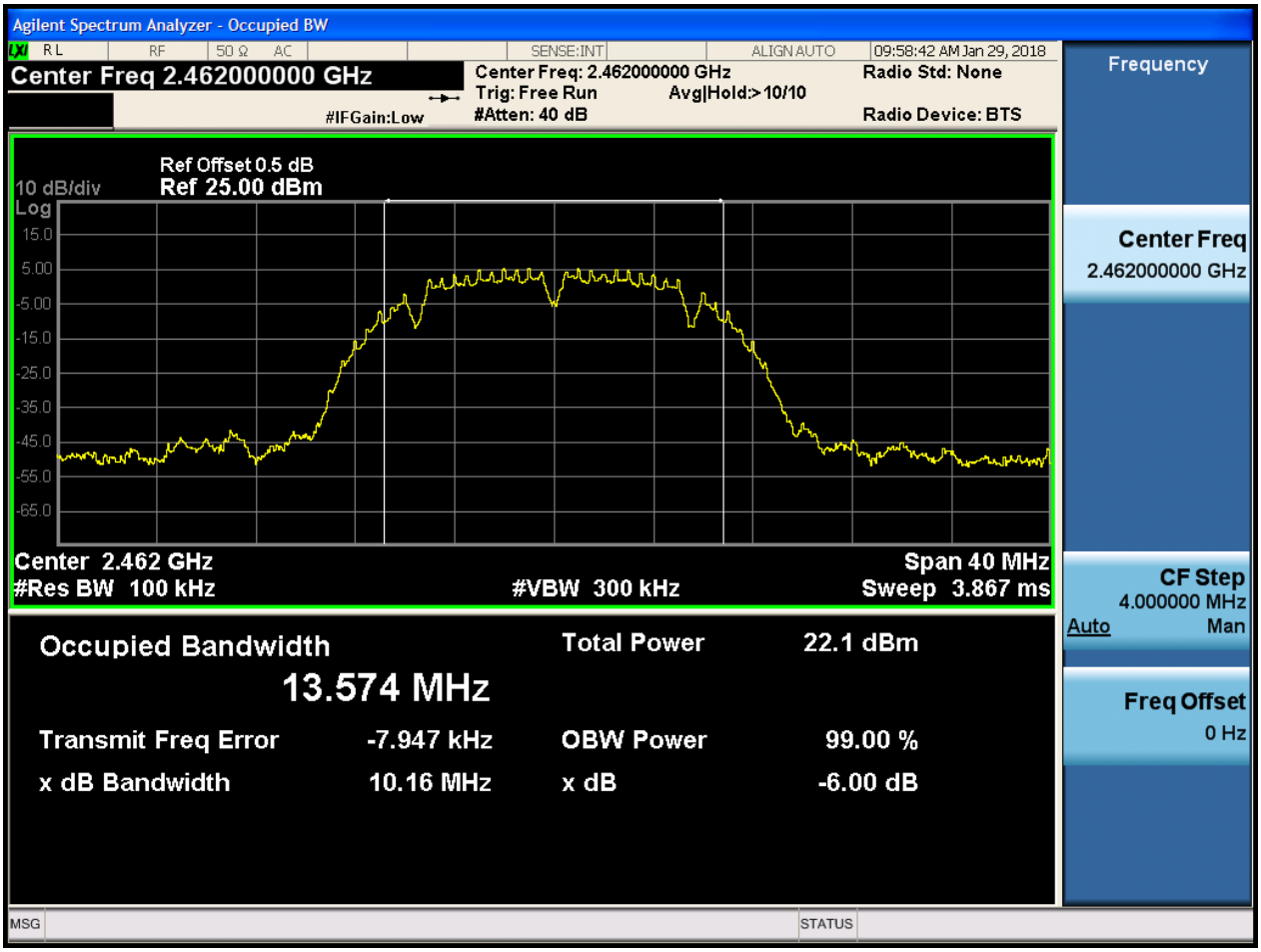
2.5 11B_H_2452@Ant 1



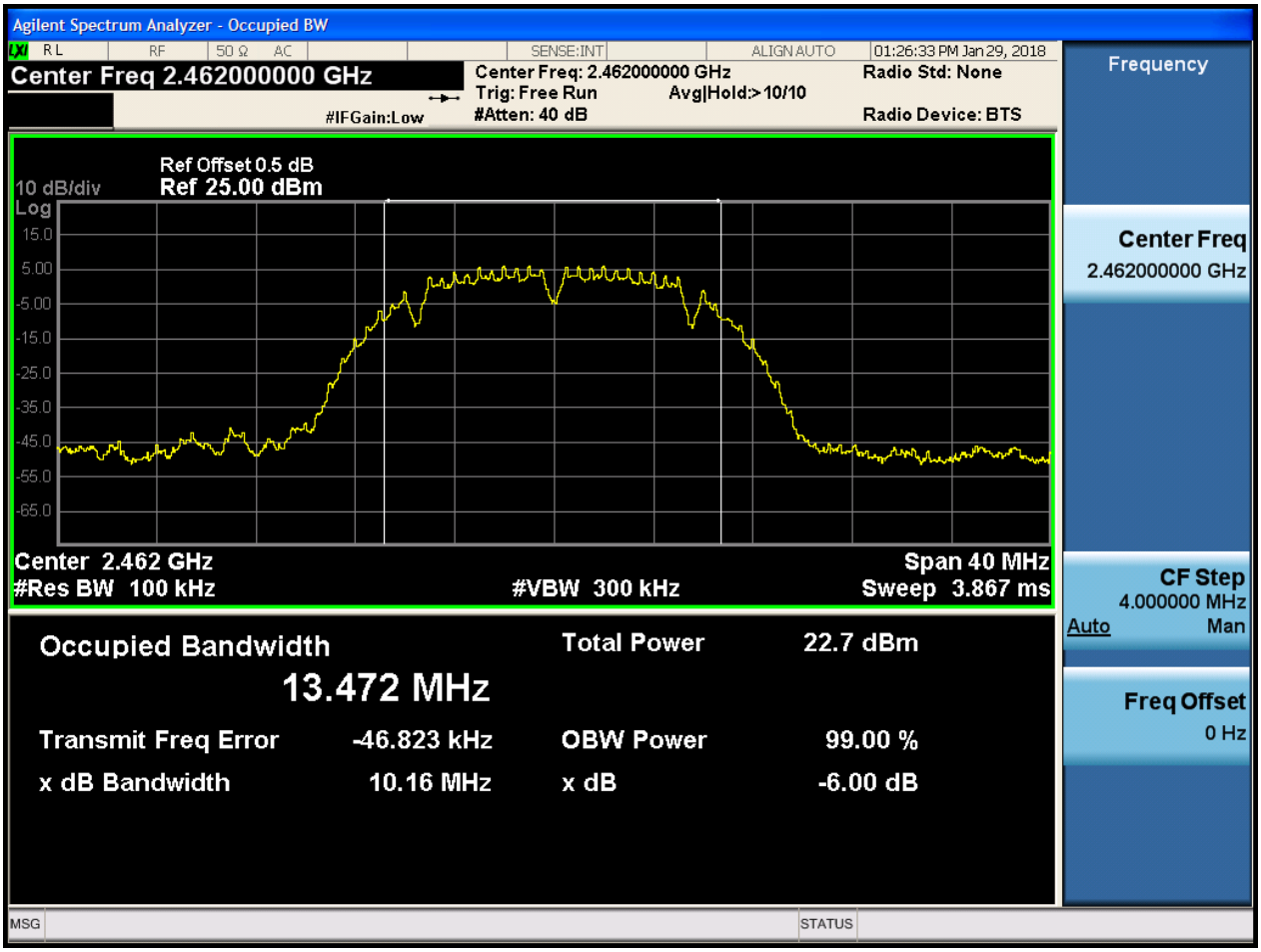
2.6 11B_H_2452@Ant 2



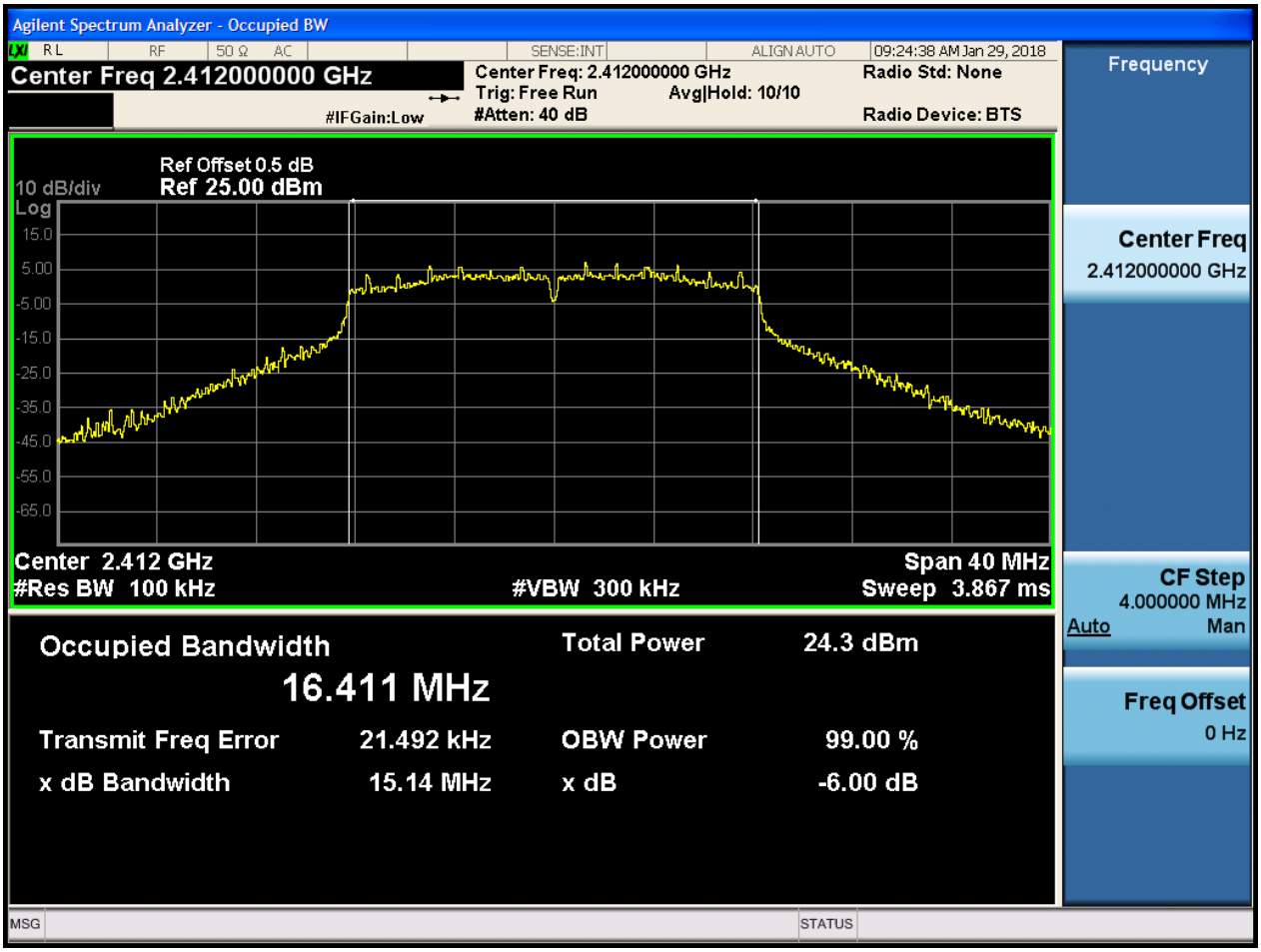
2.7 11B_H_2462@Ant 1



2.8 11B_H_2462@Ant 2



2.9 11G_L@Ant 1



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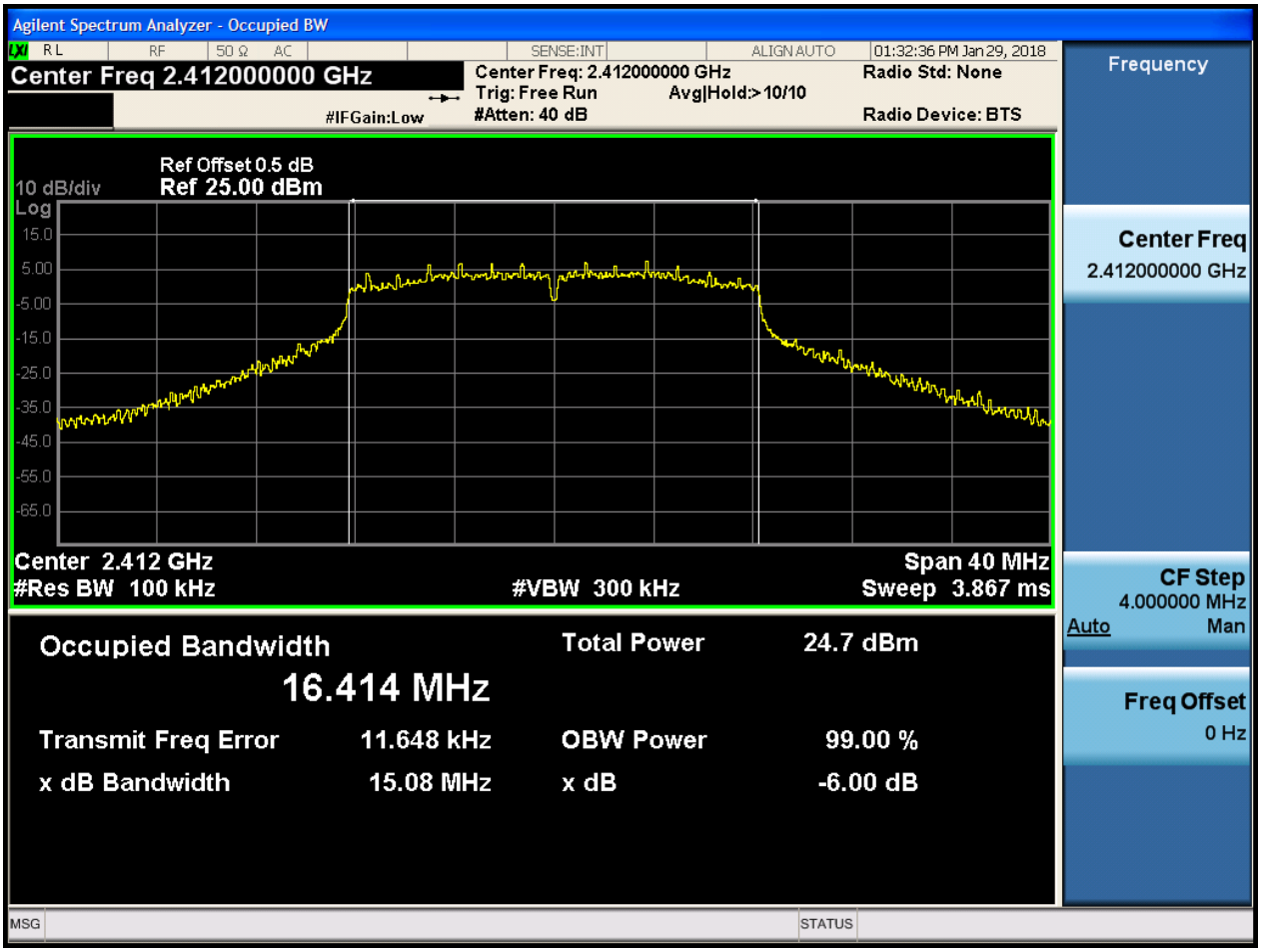

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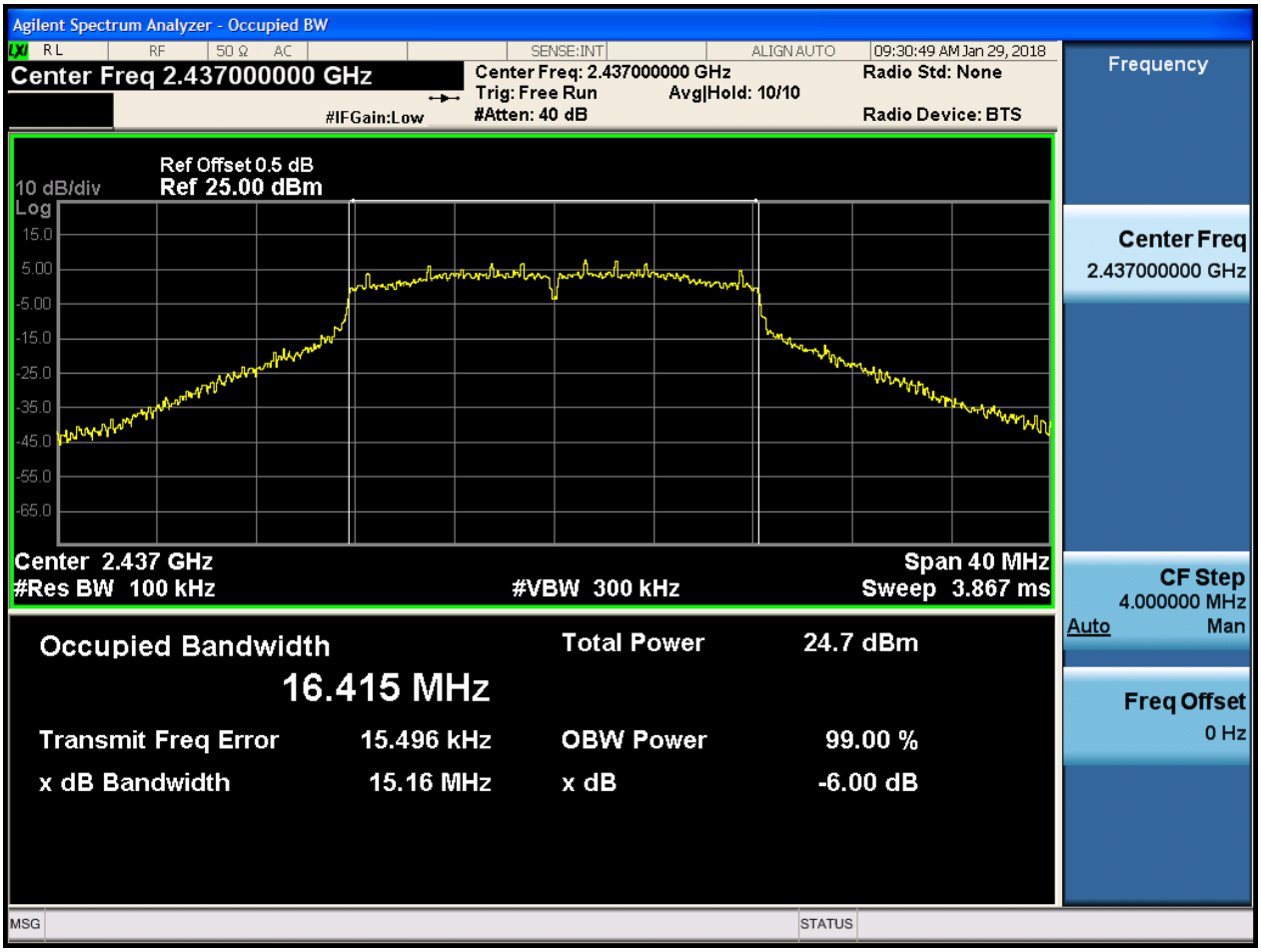

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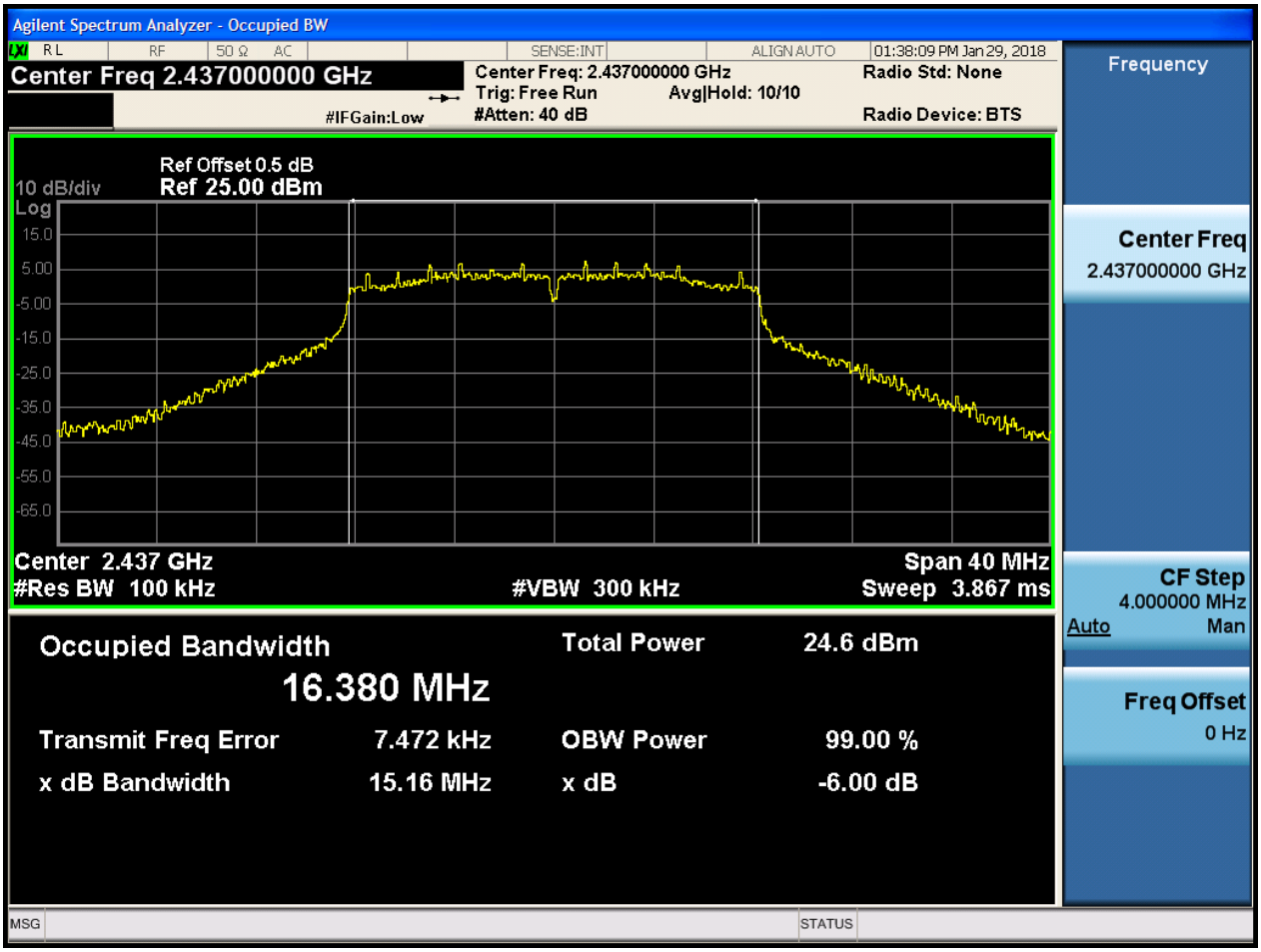

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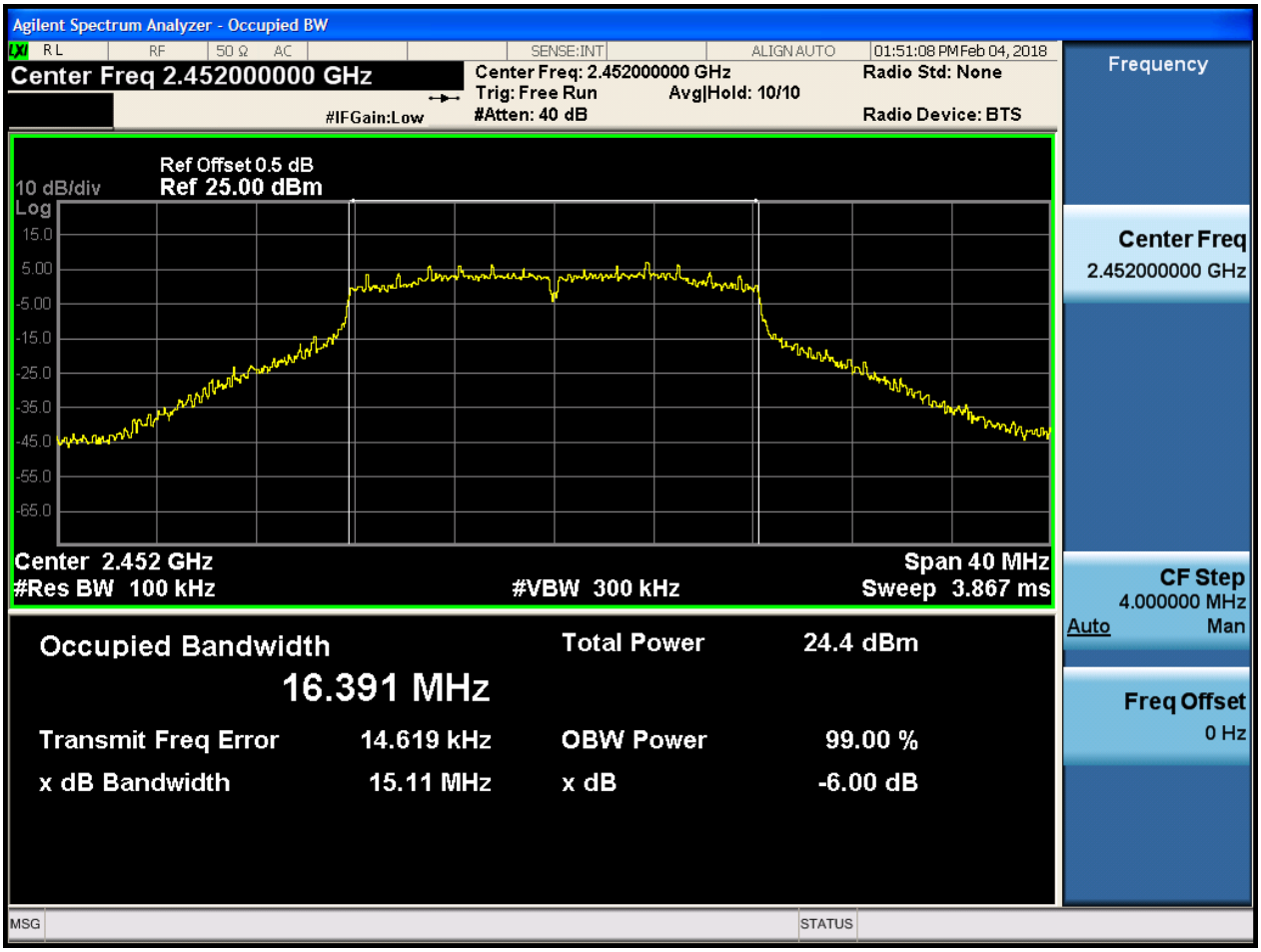
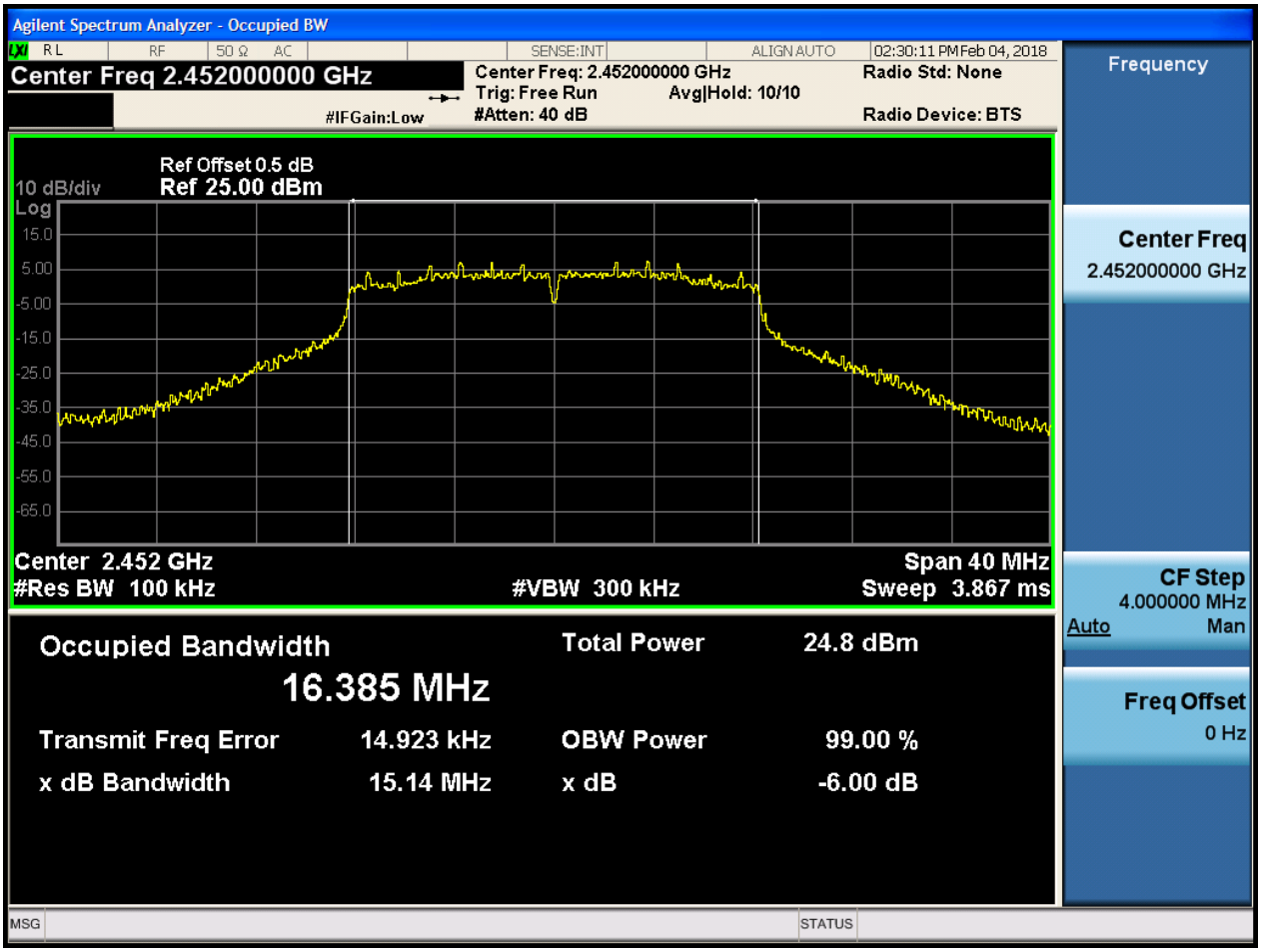
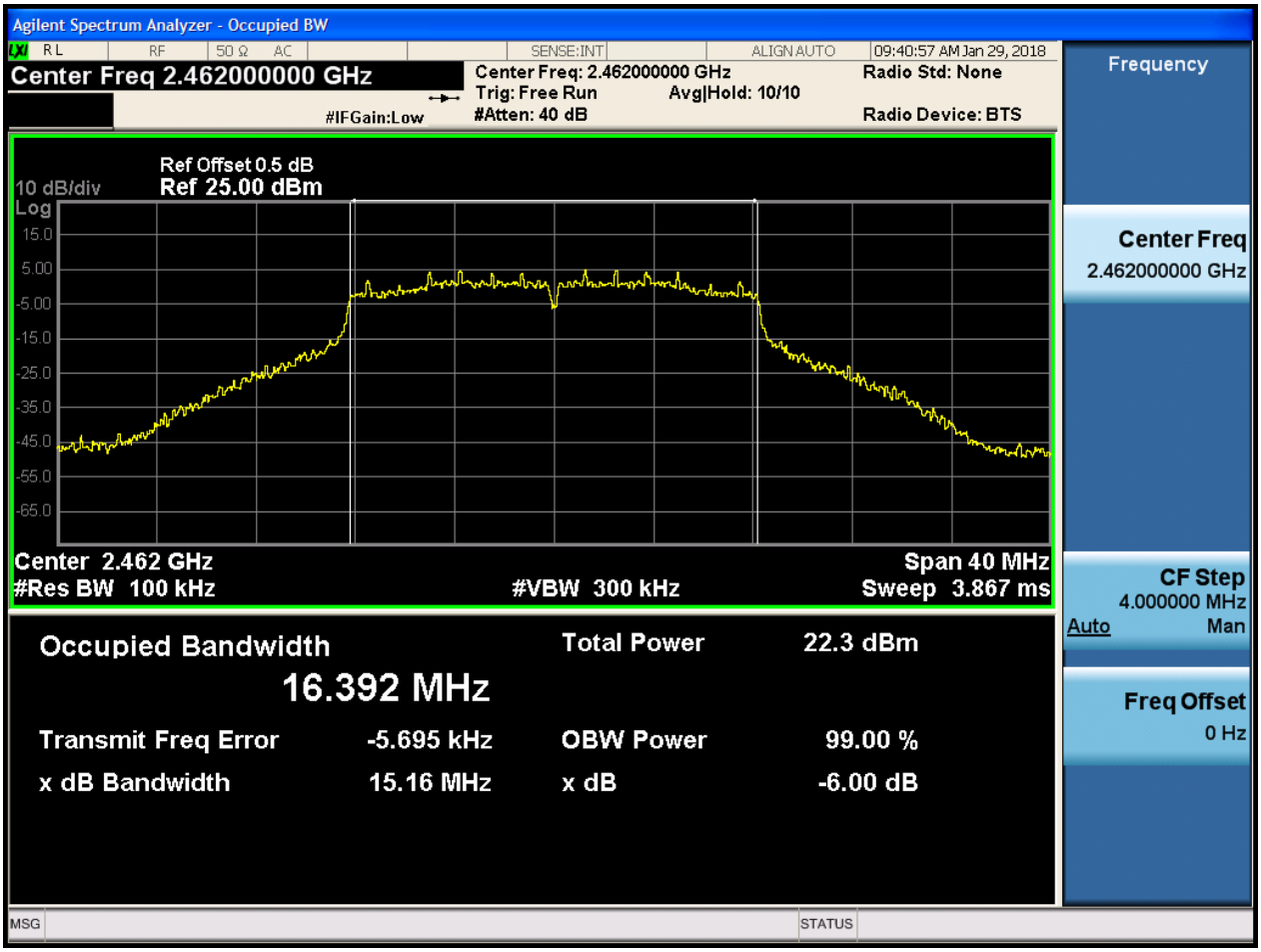


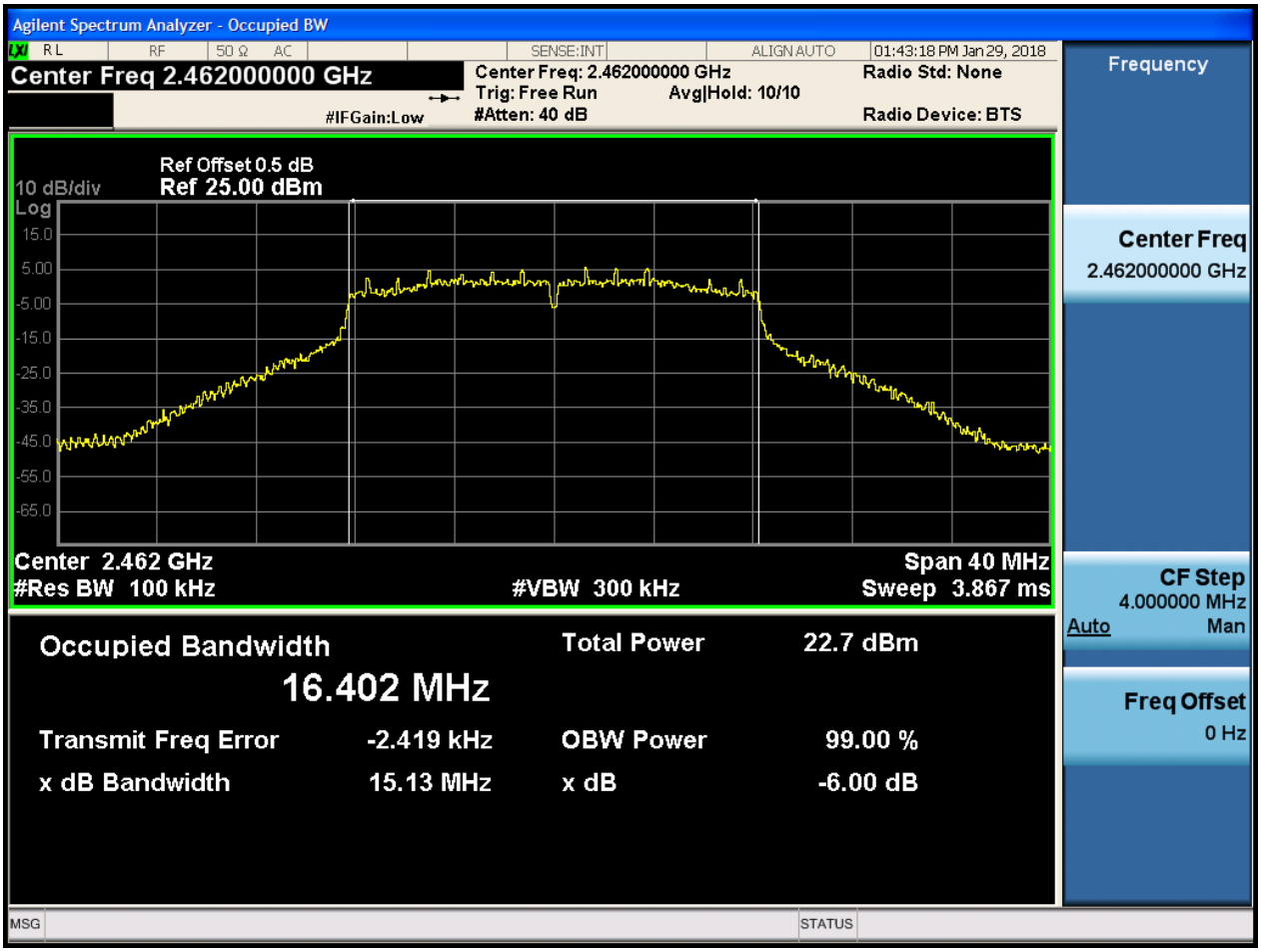
2.14 11G_H_2452@Ant 2



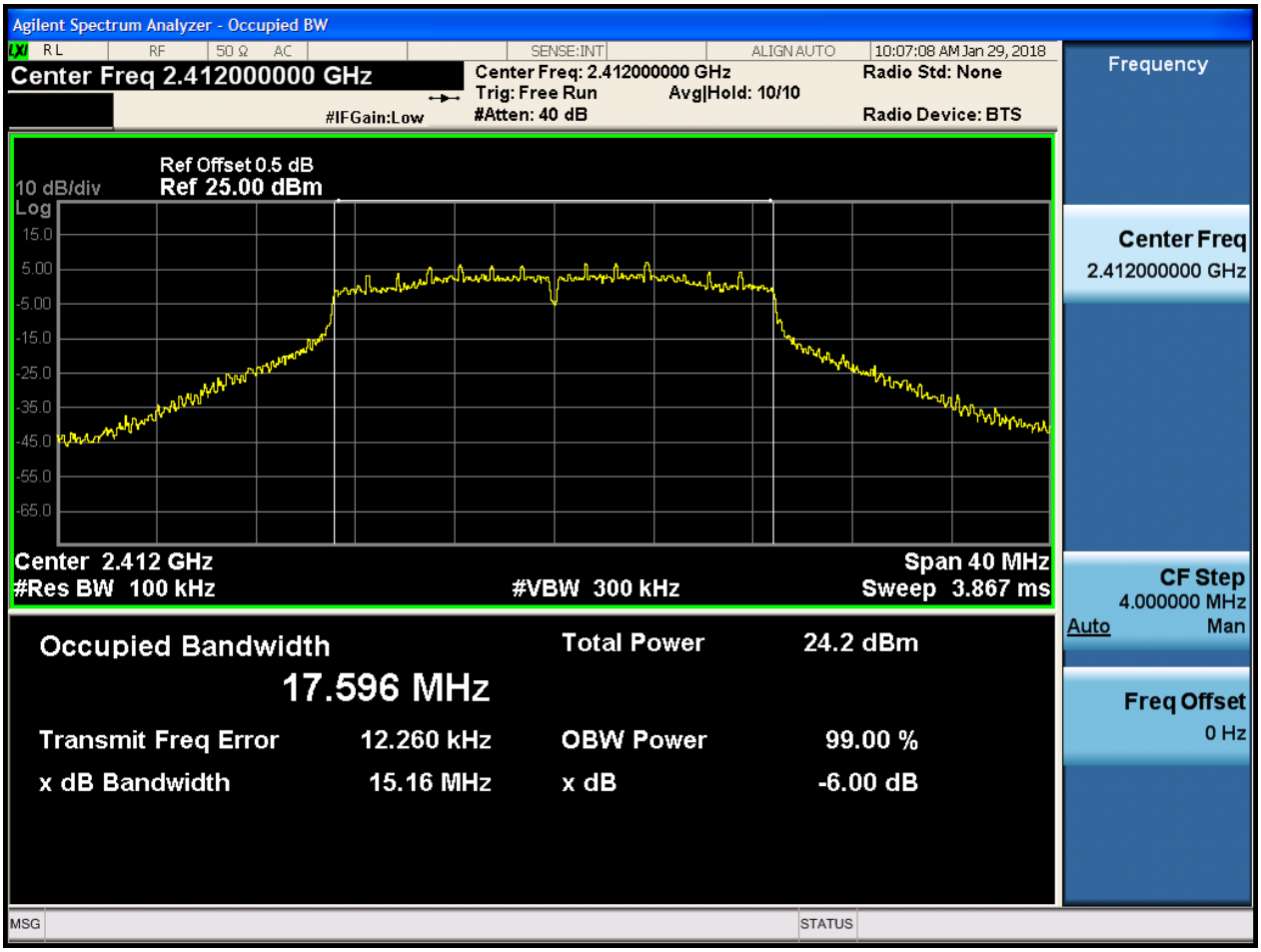
2.15 11G_H_2462@Ant 1



2.16 11G_H_2462@Ant 2



2.17 11N20_L@Ant 1



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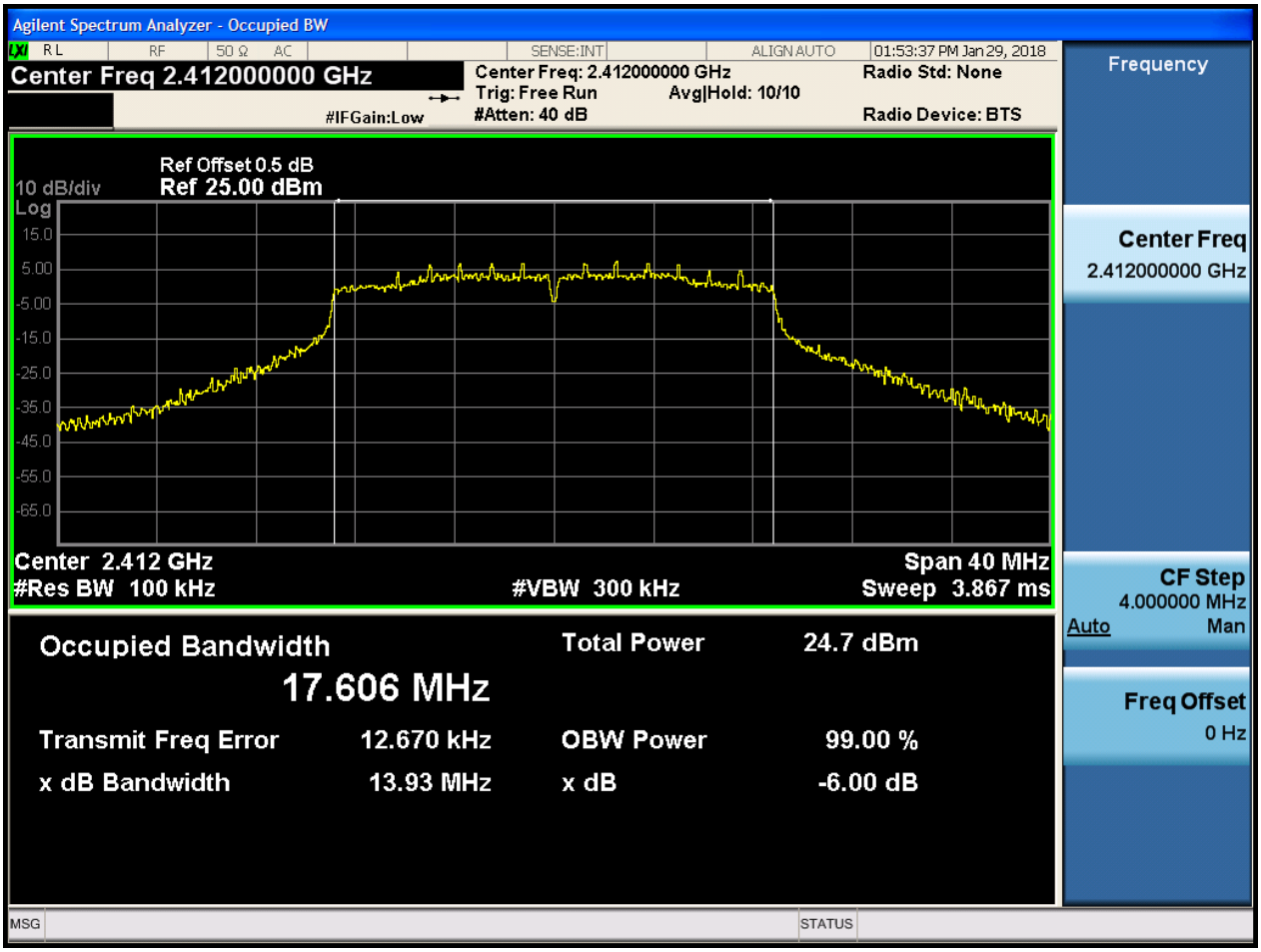

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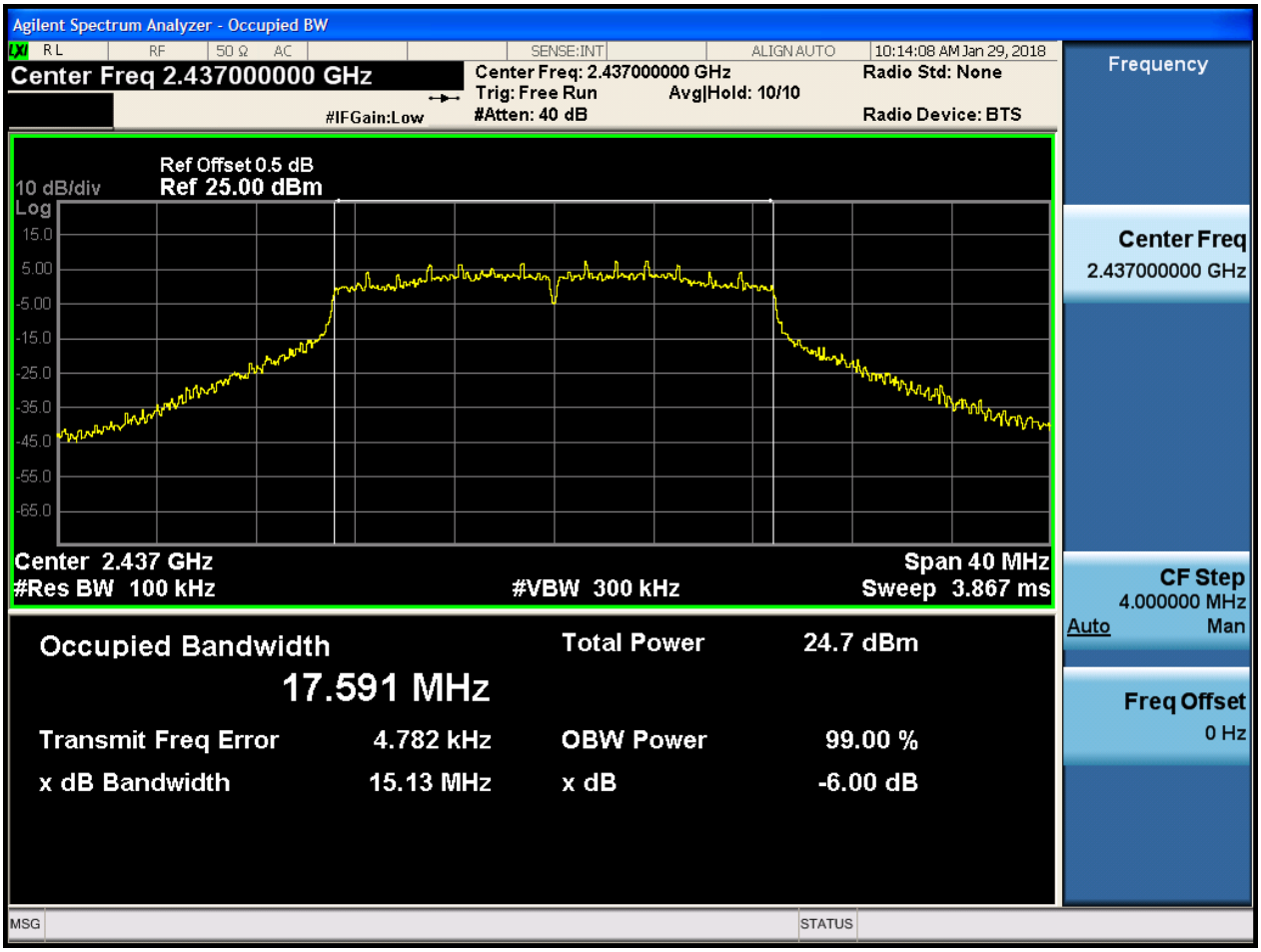

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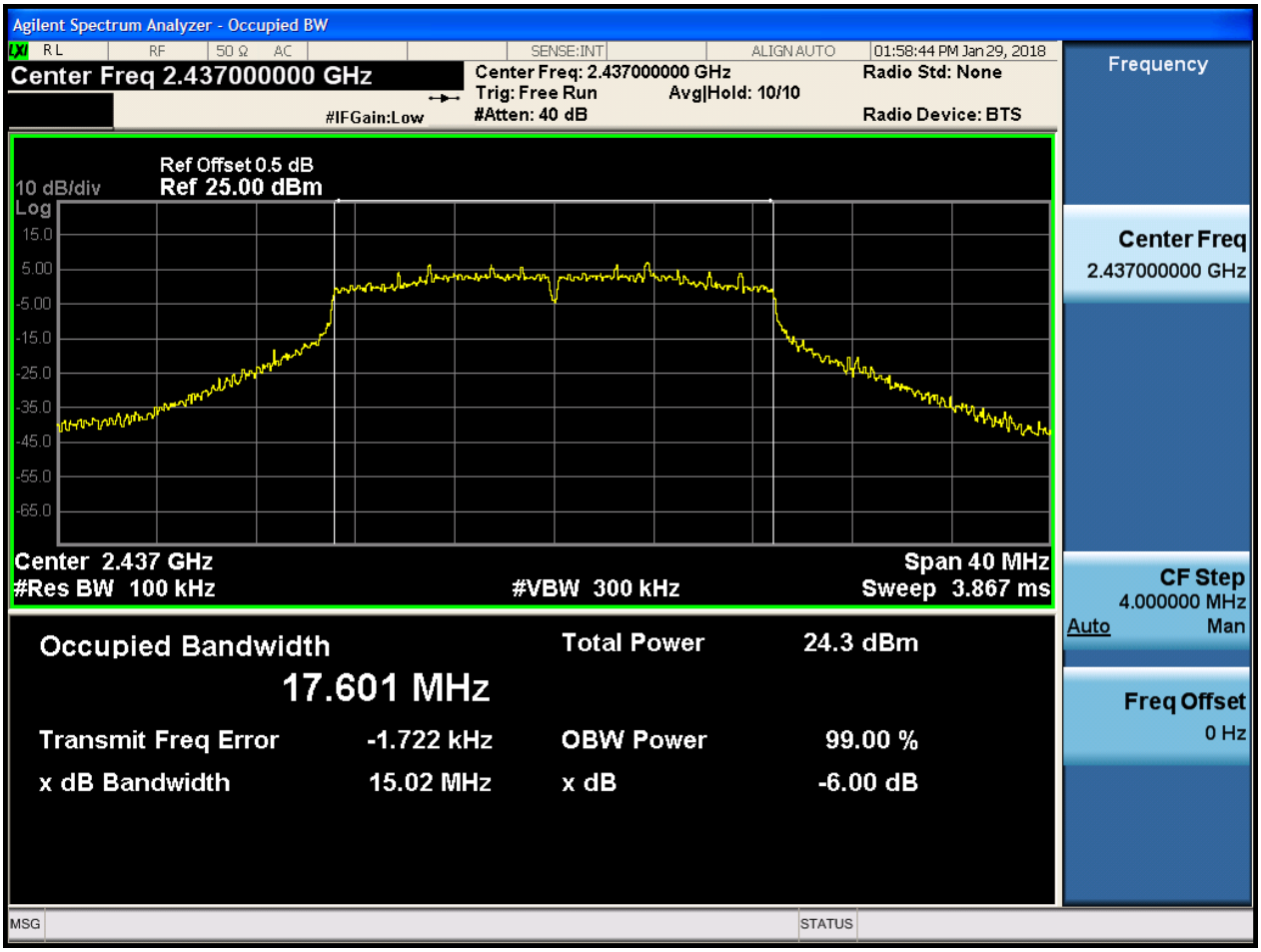

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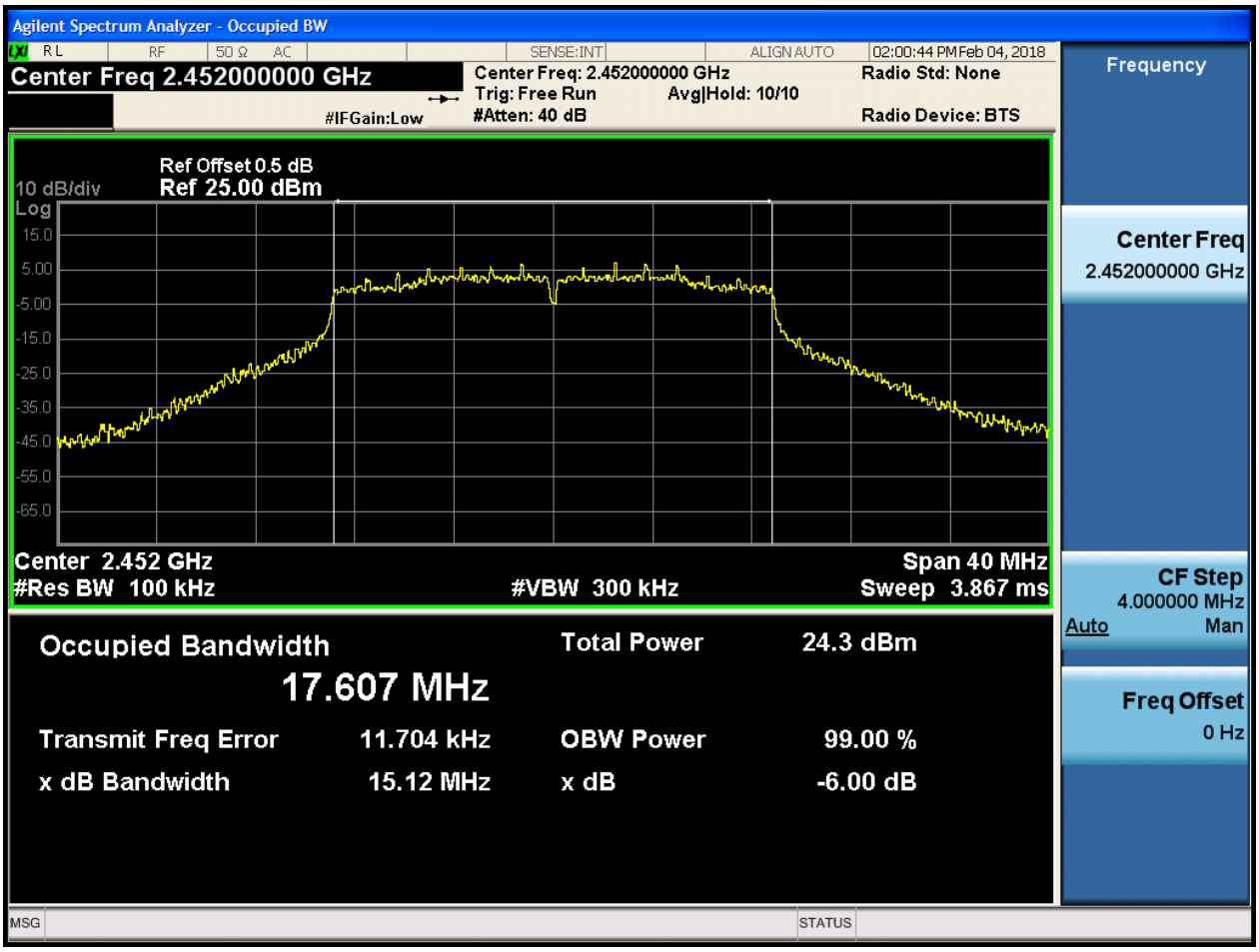

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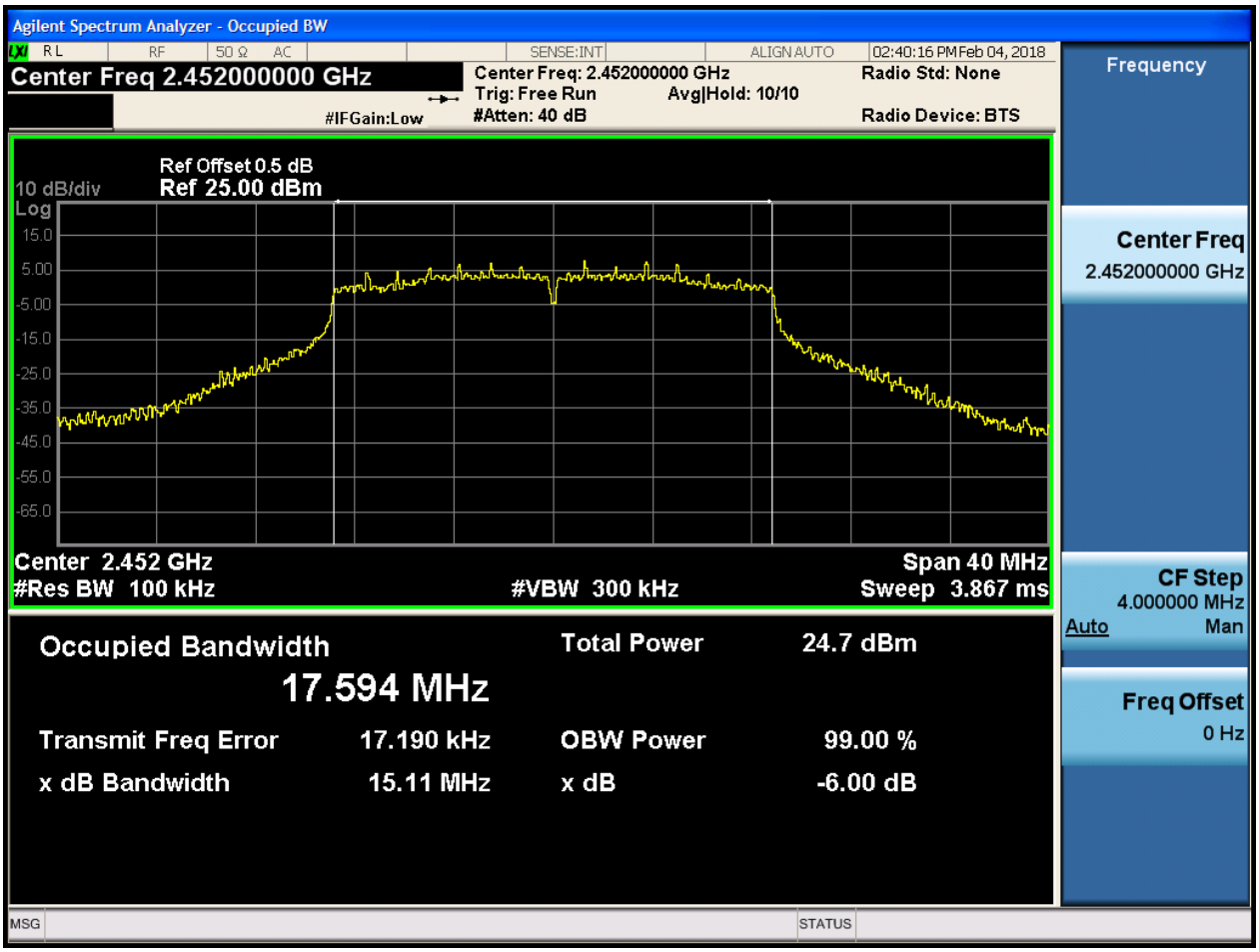

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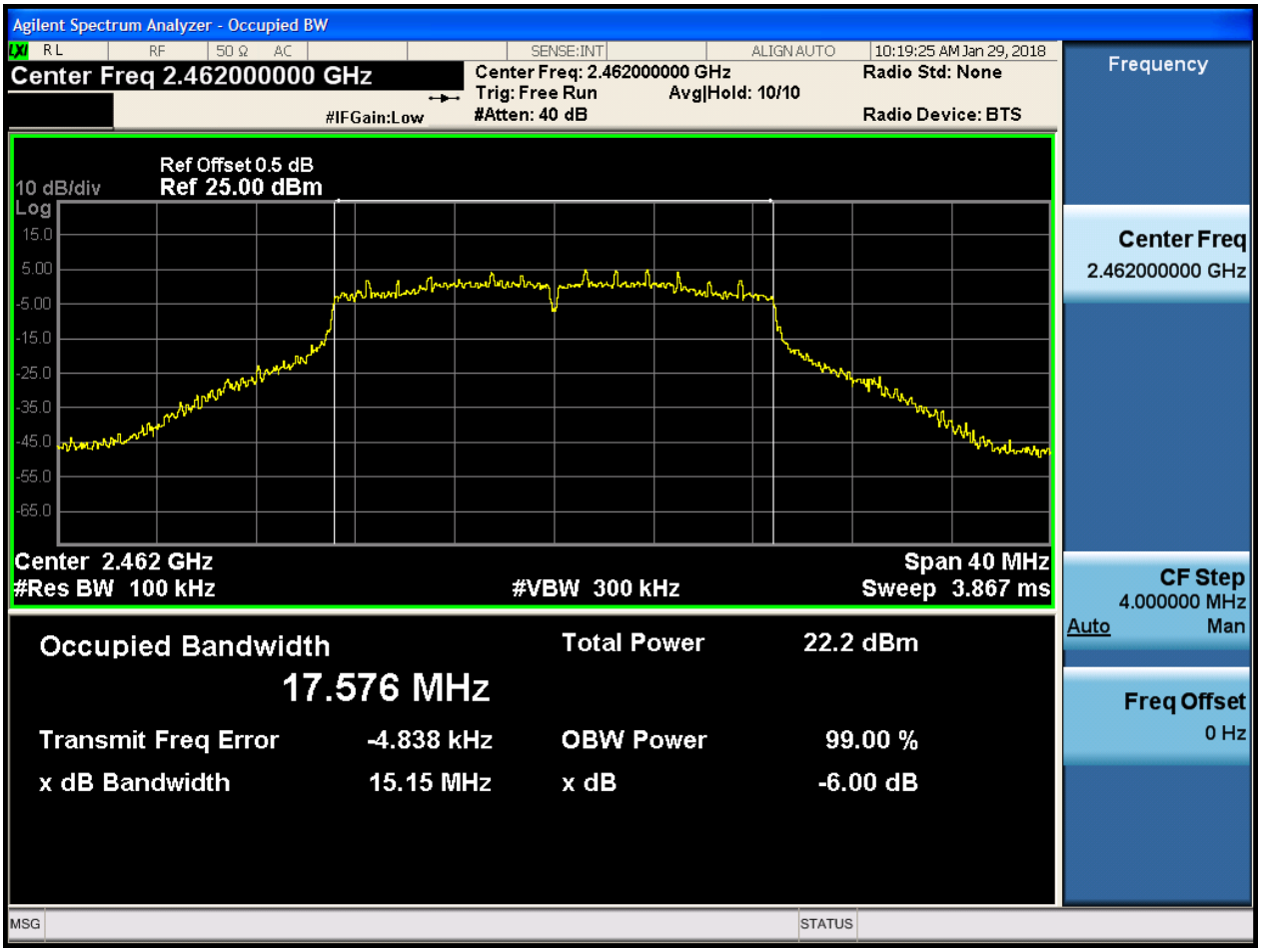
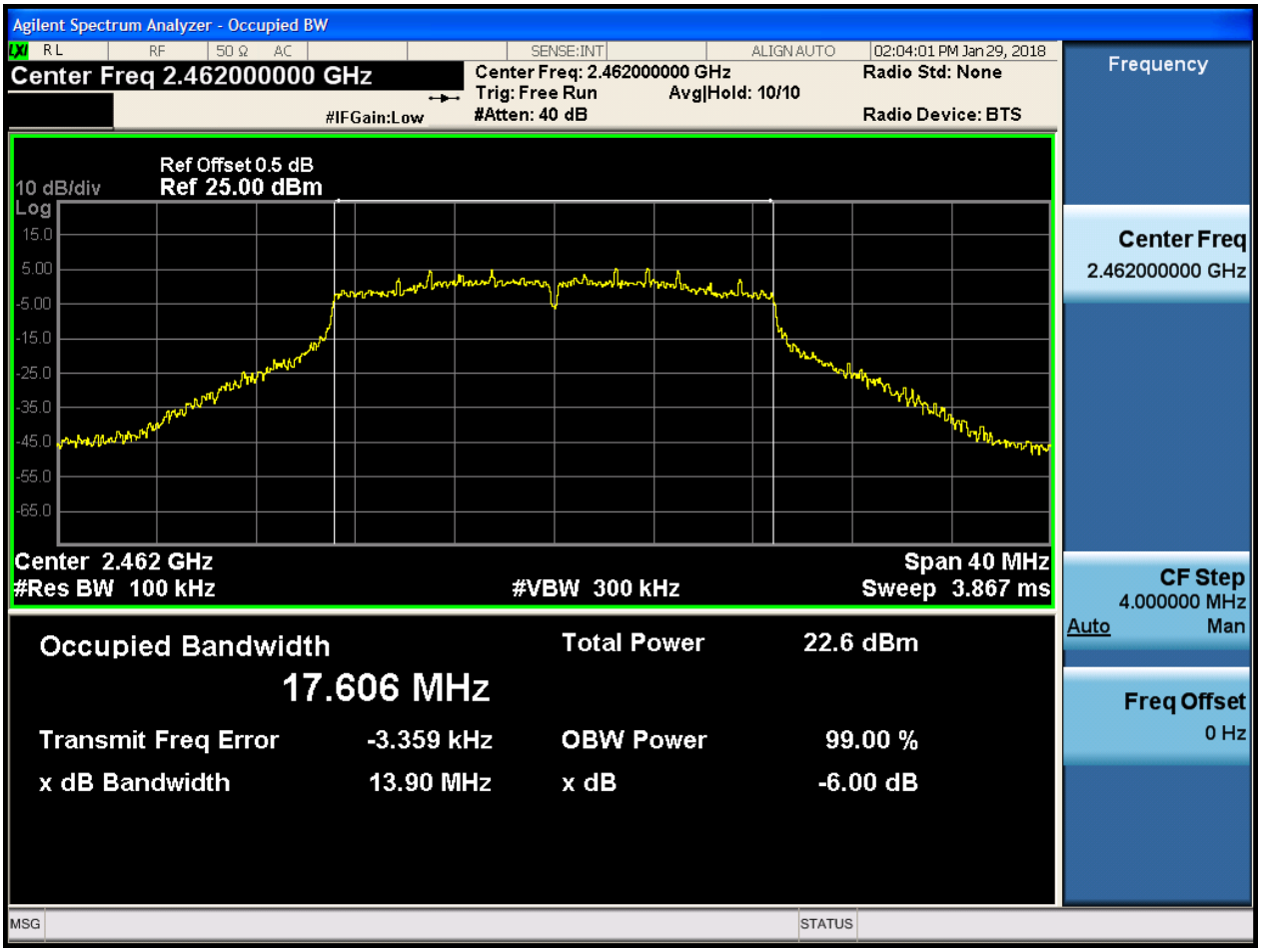


2.24 11N20_H_2462@Ant 2



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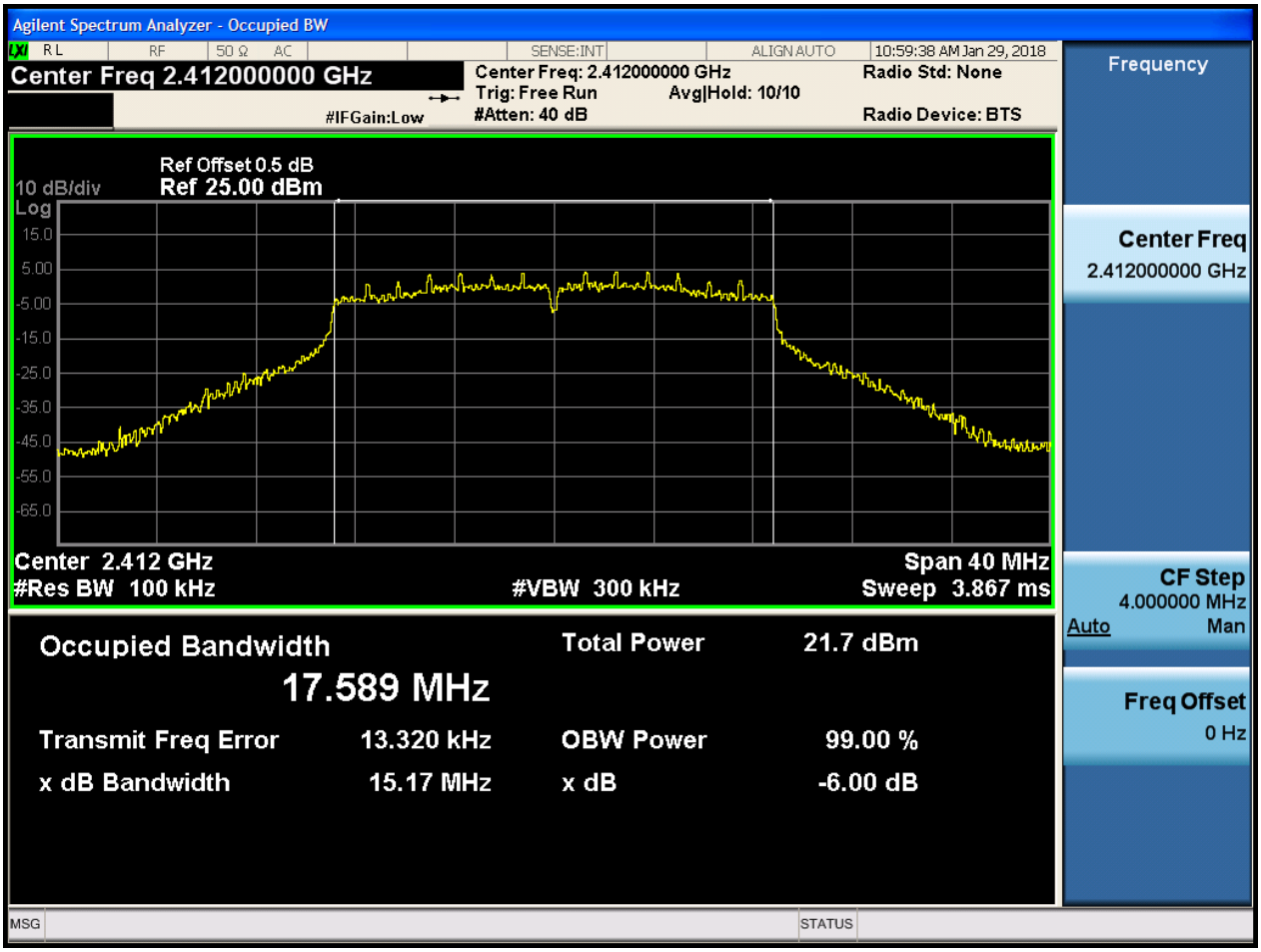

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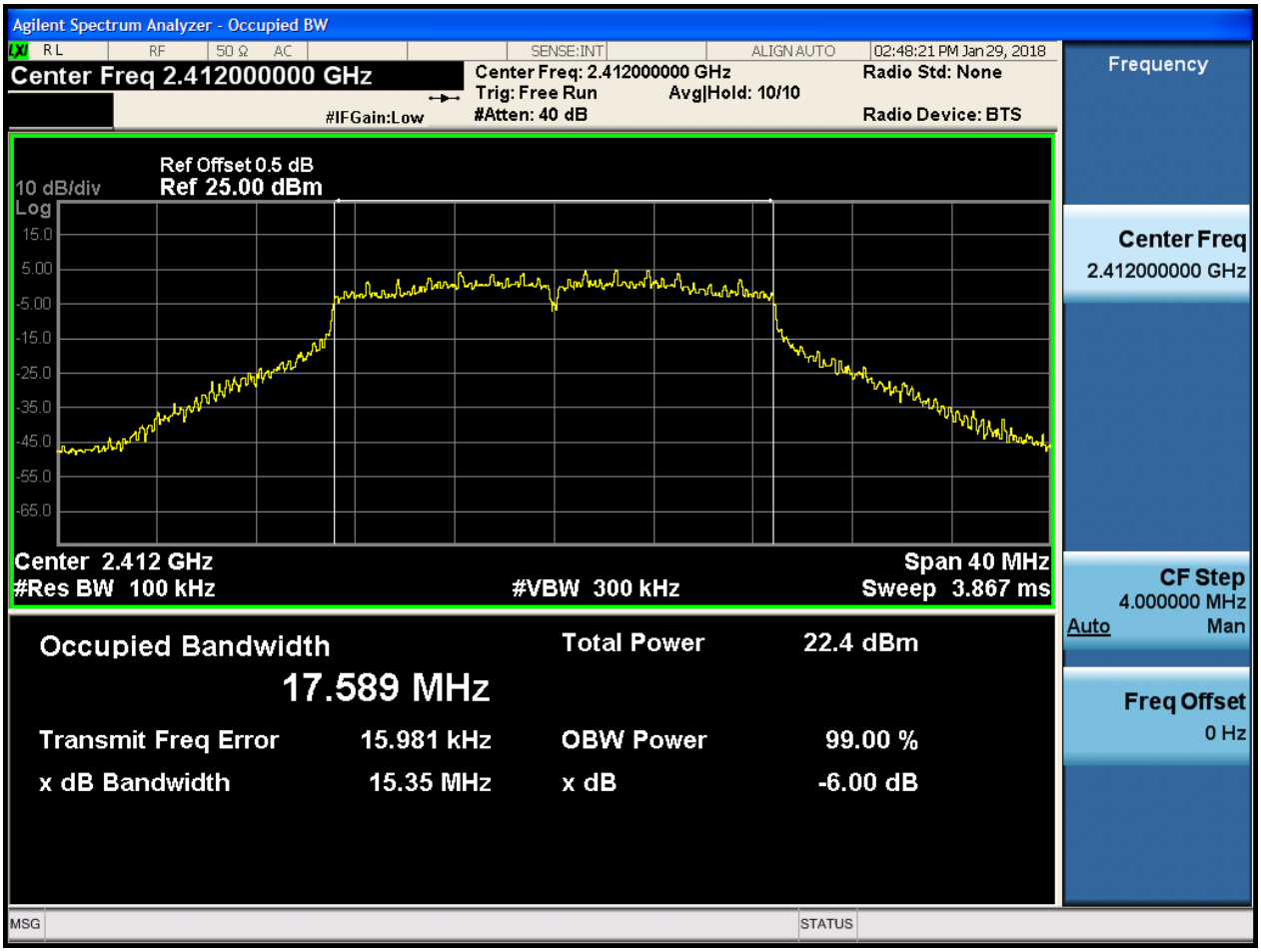

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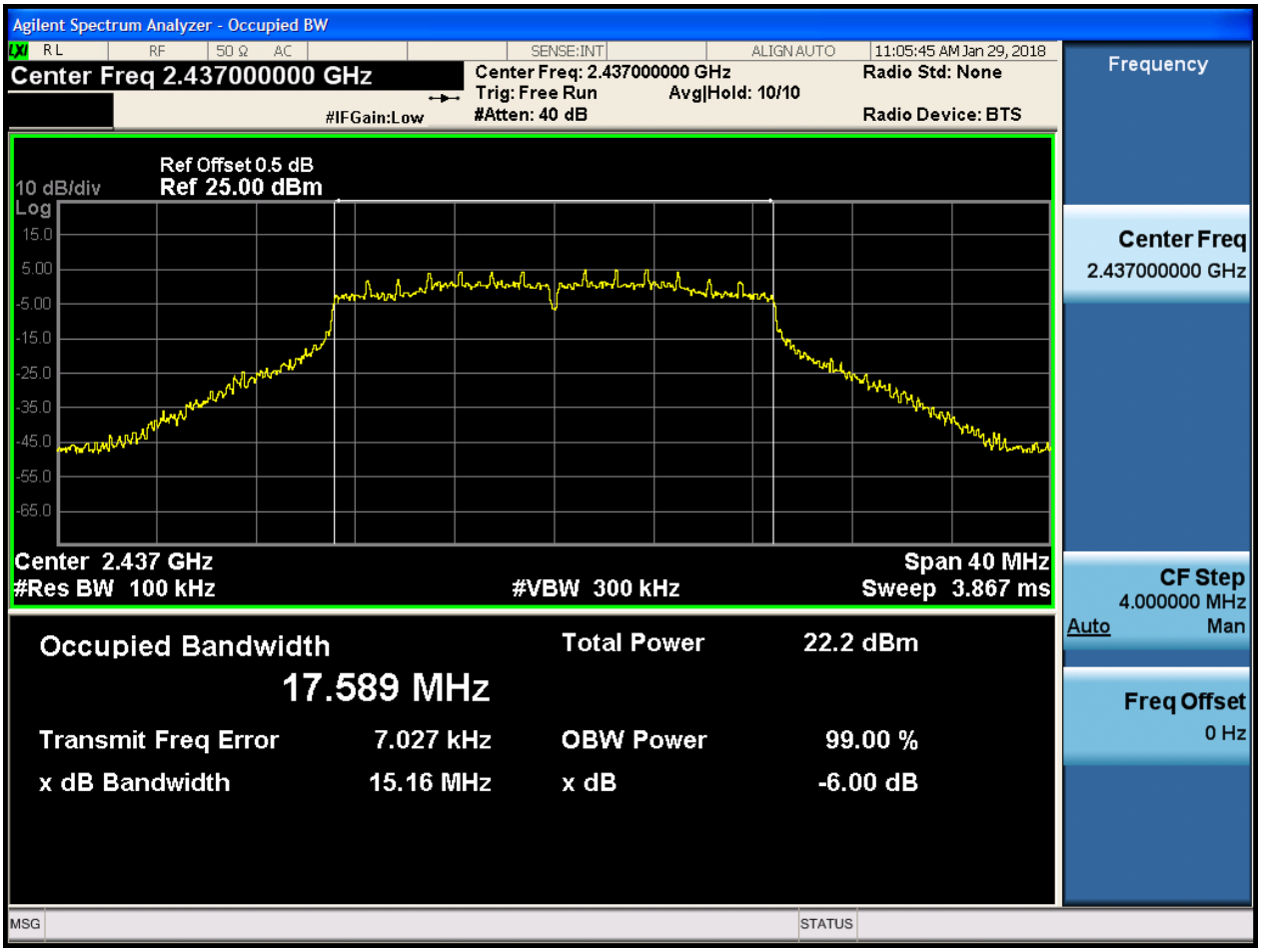
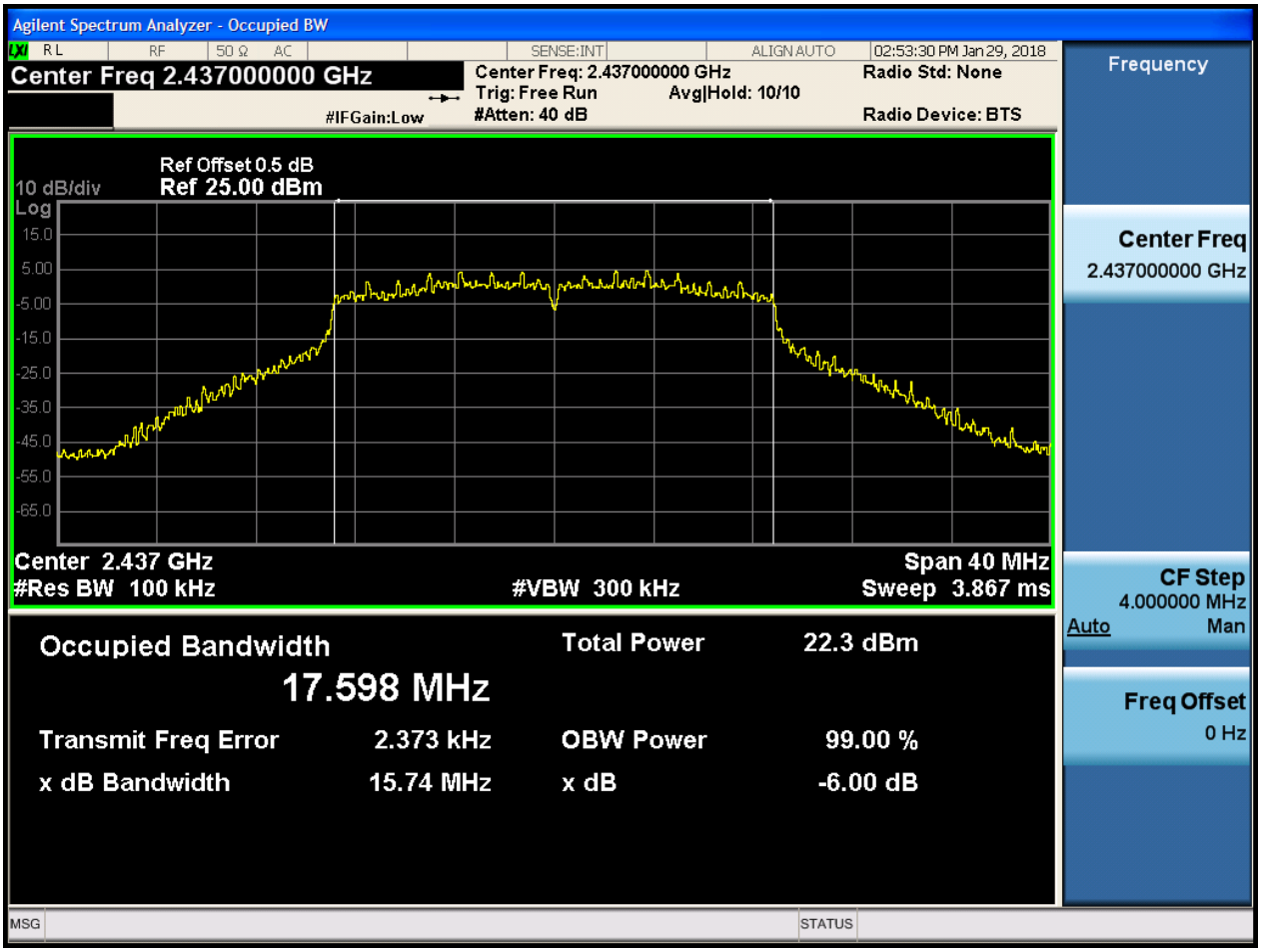


2.28 11N20m_M@Ant 2



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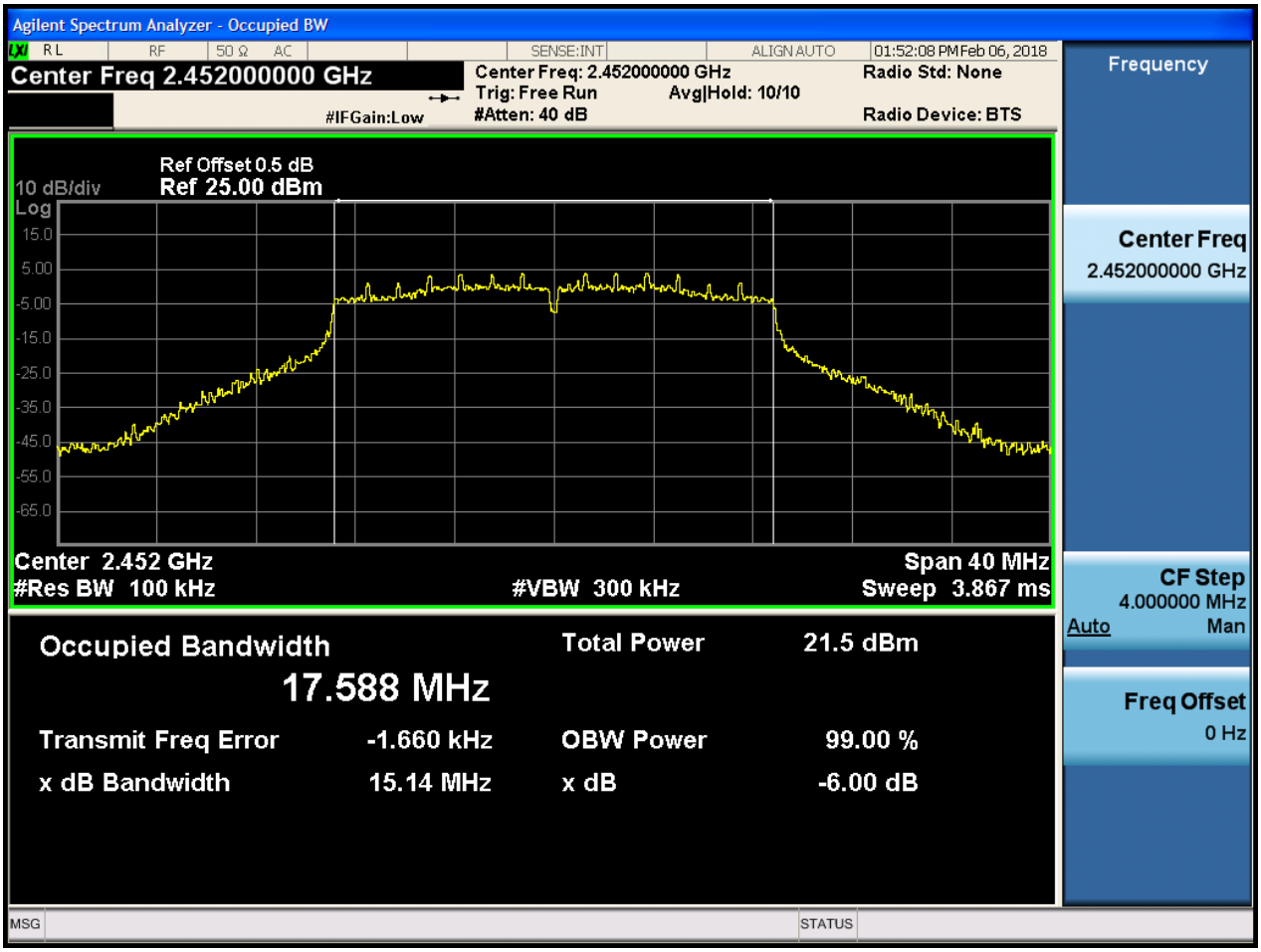

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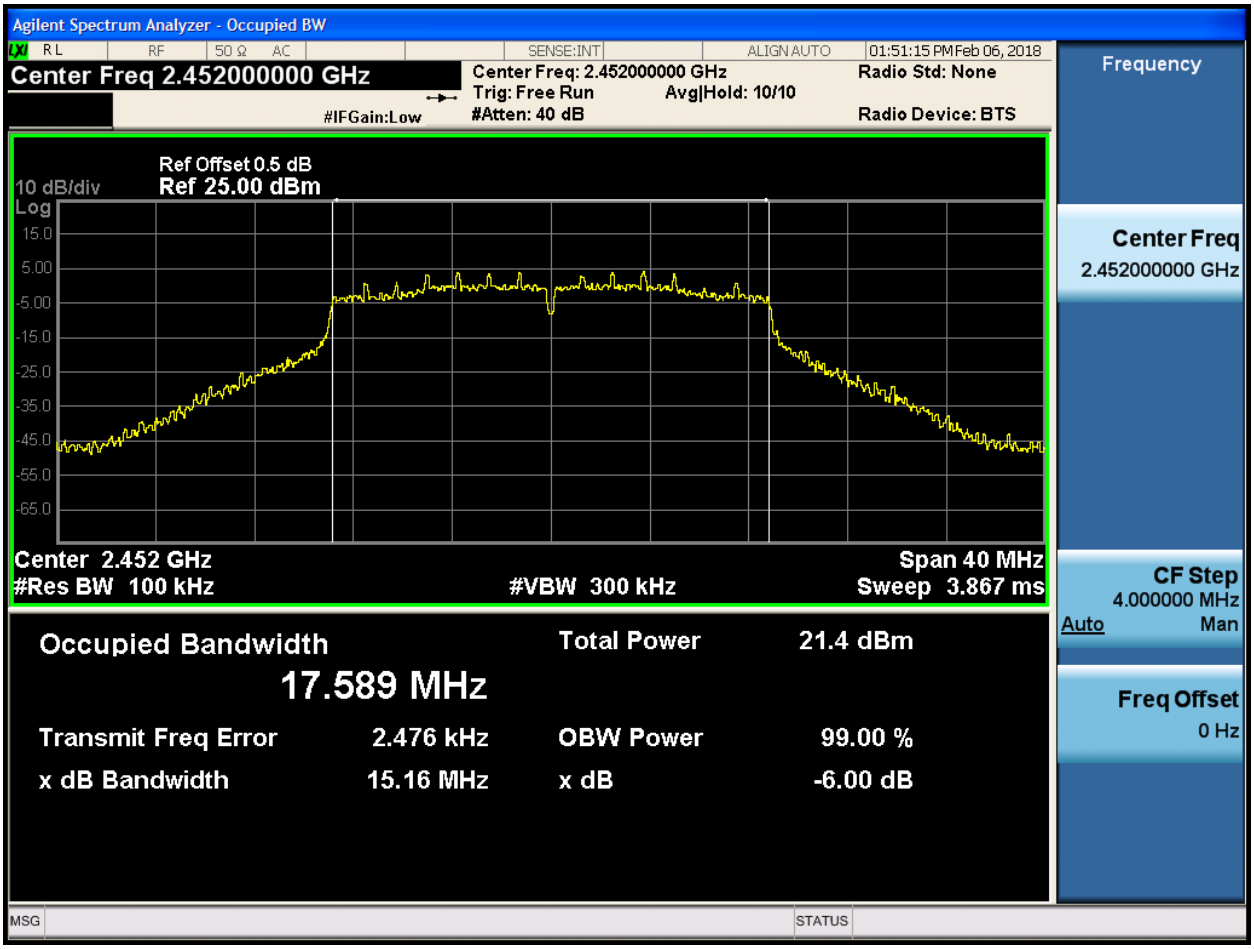

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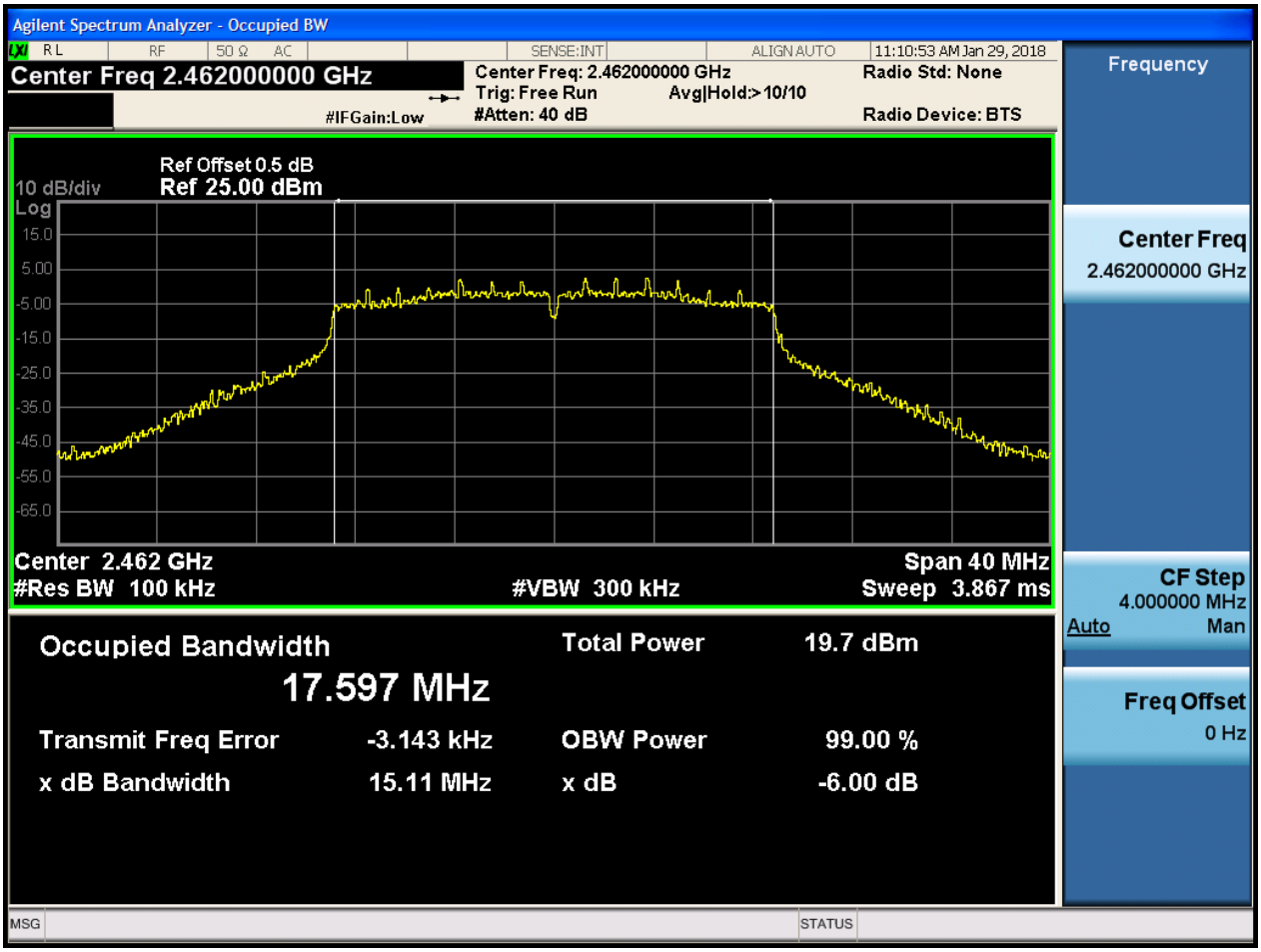

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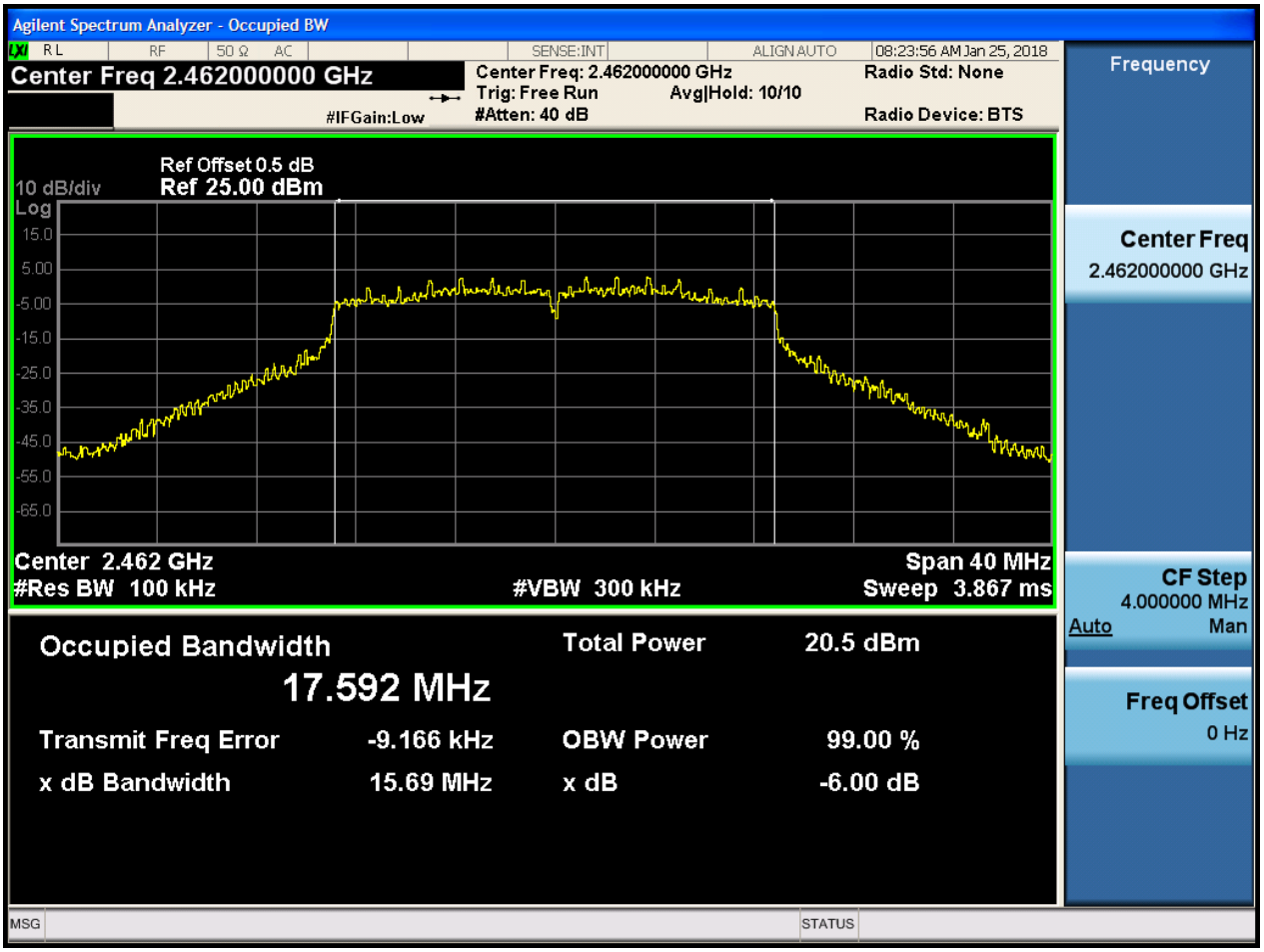

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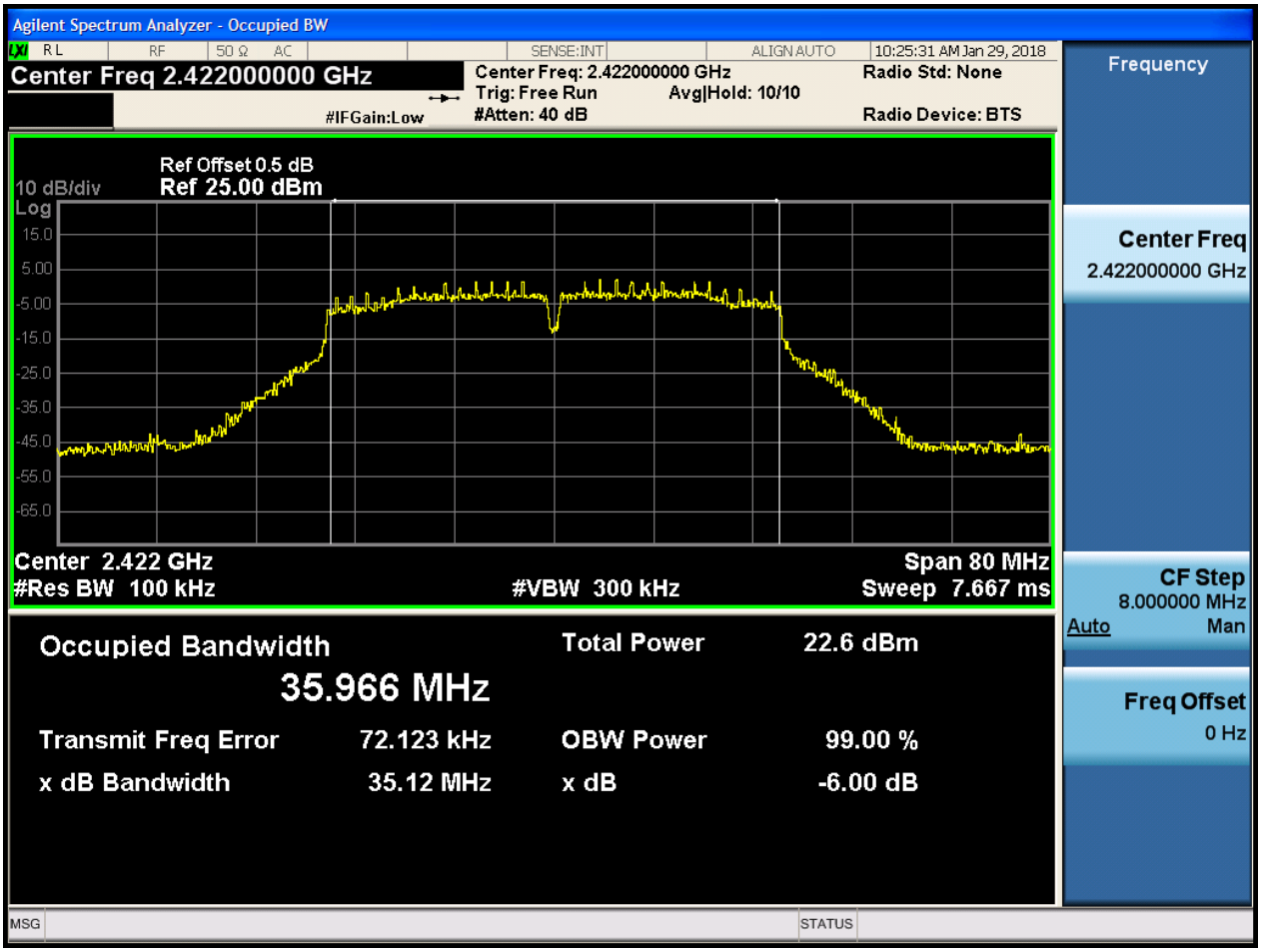

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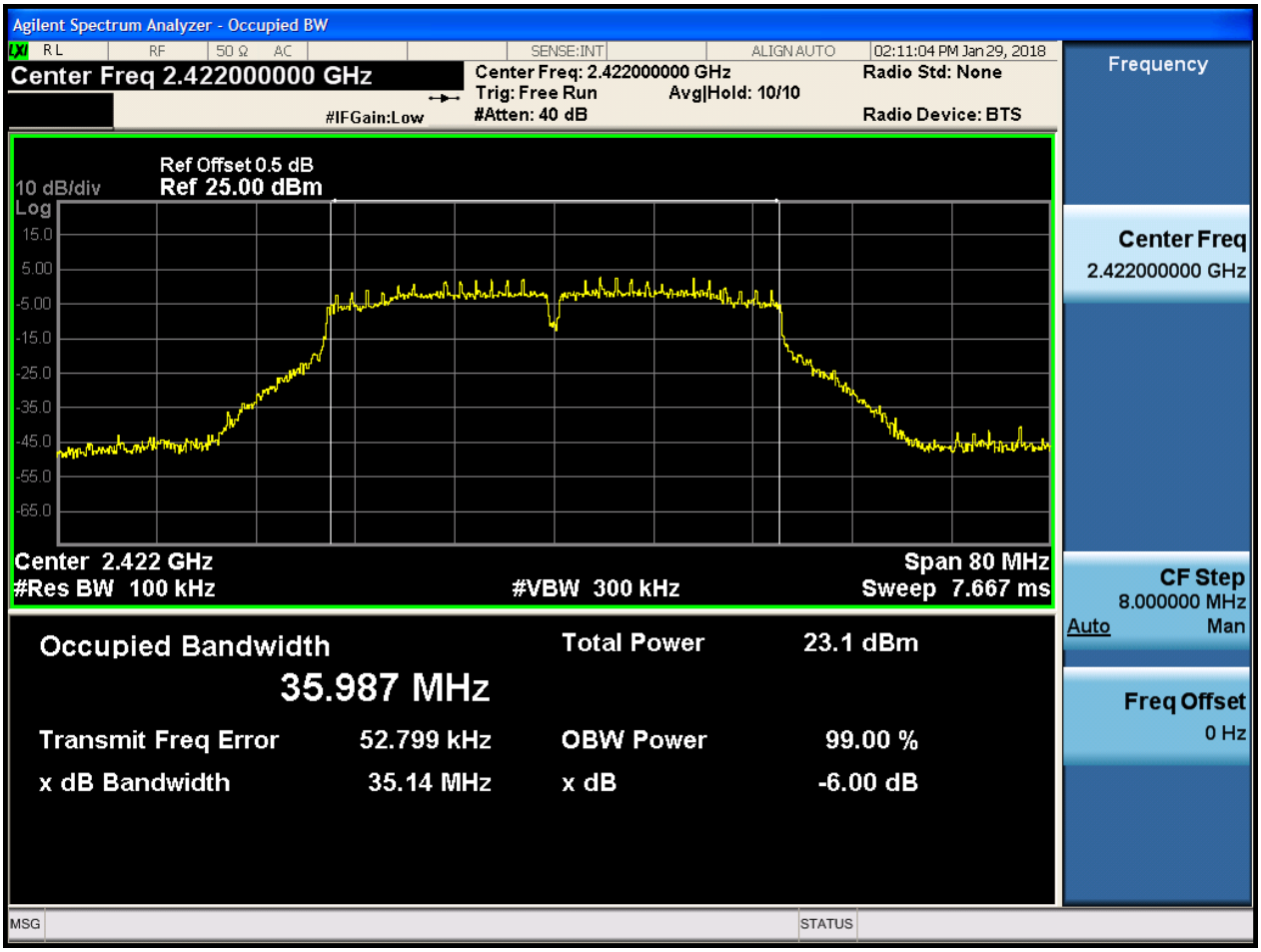

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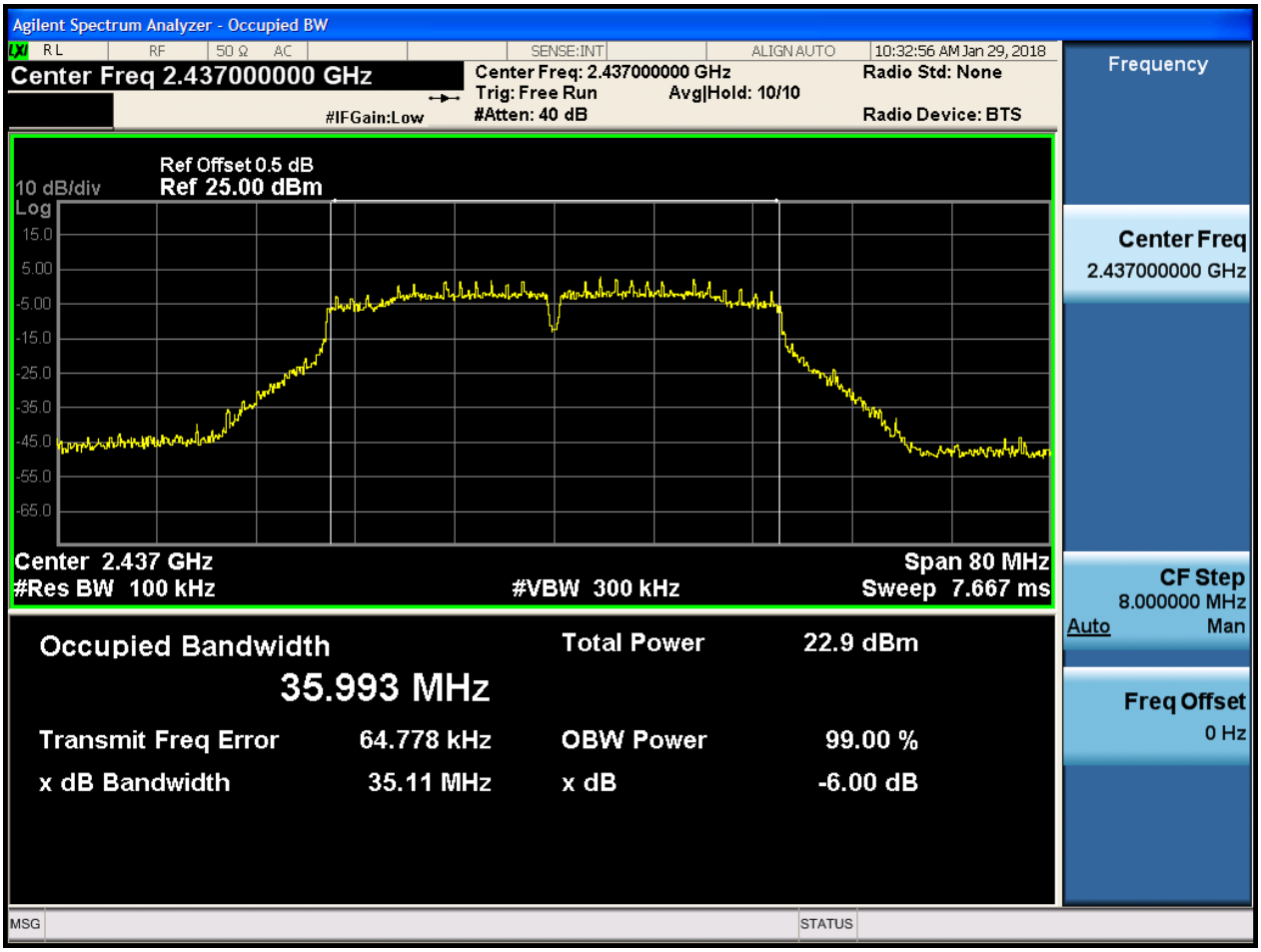

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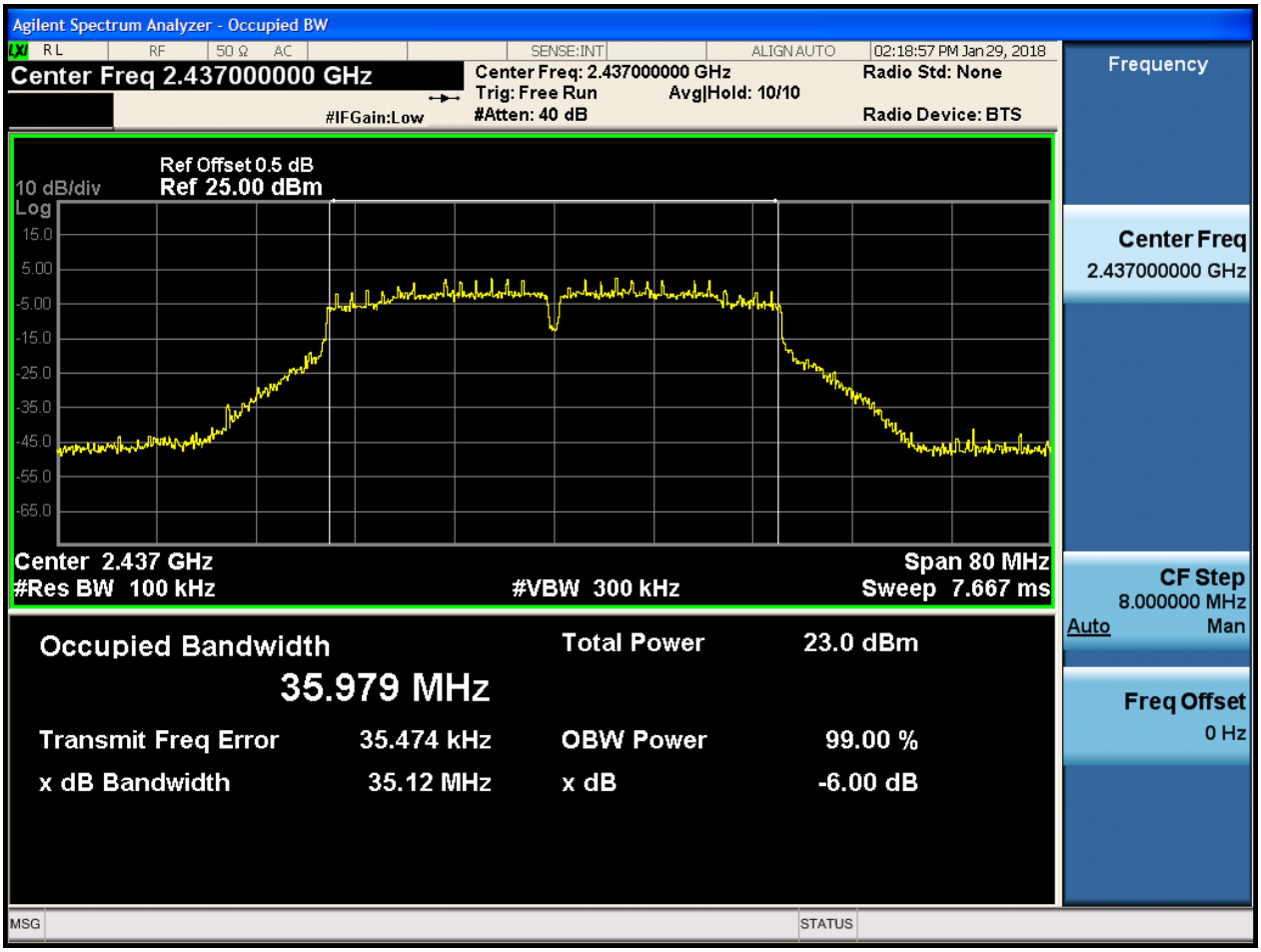

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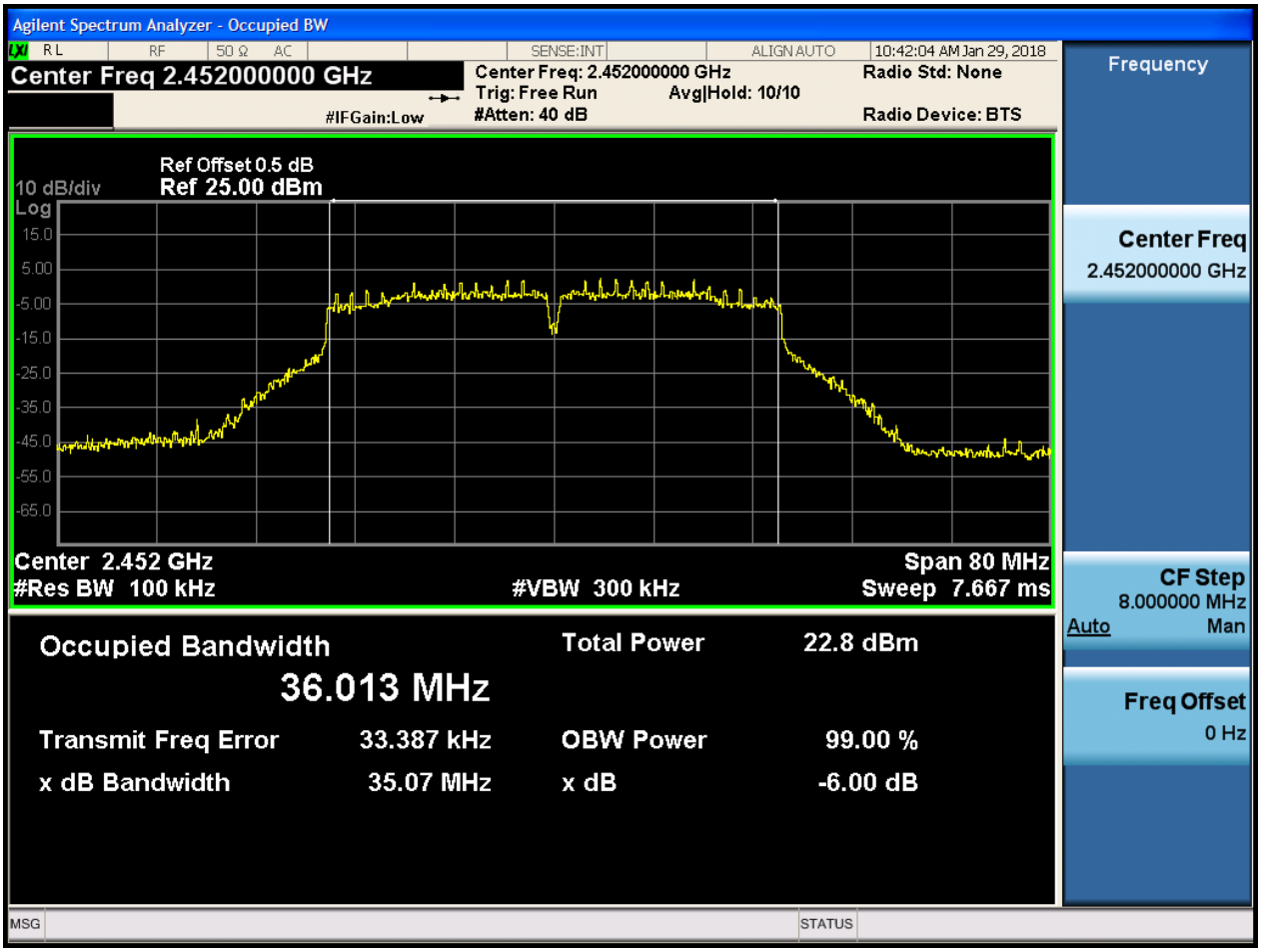

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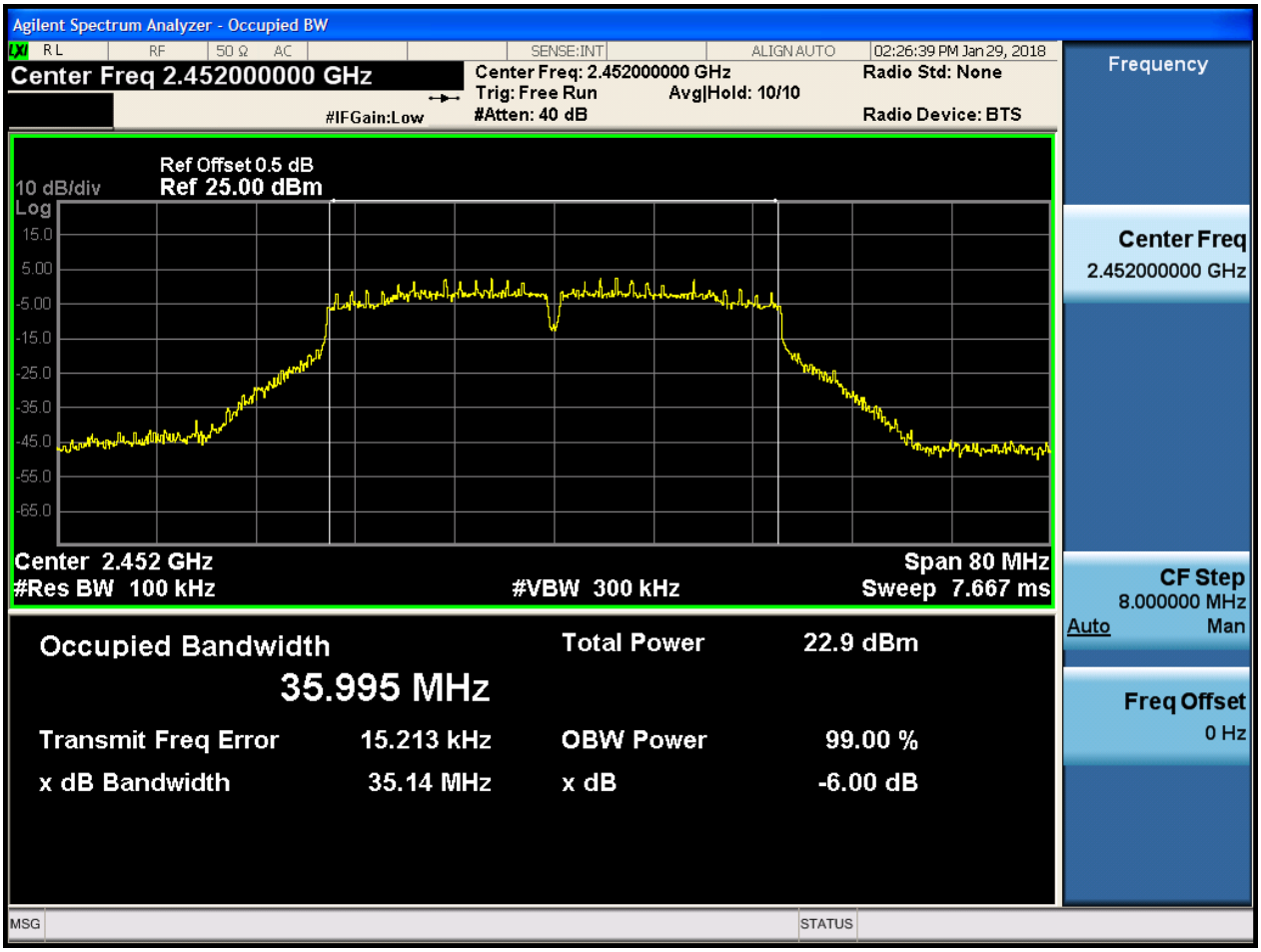

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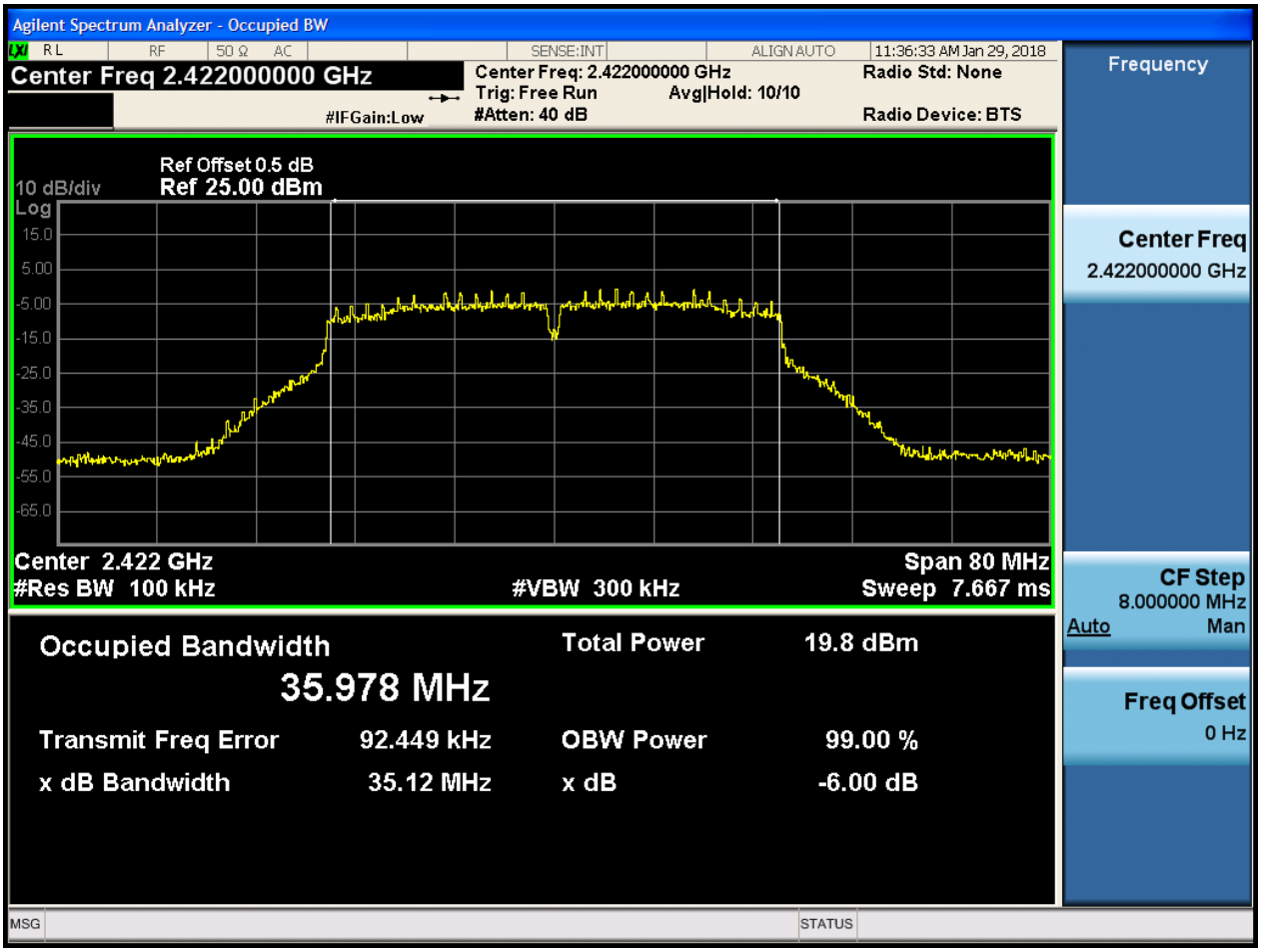

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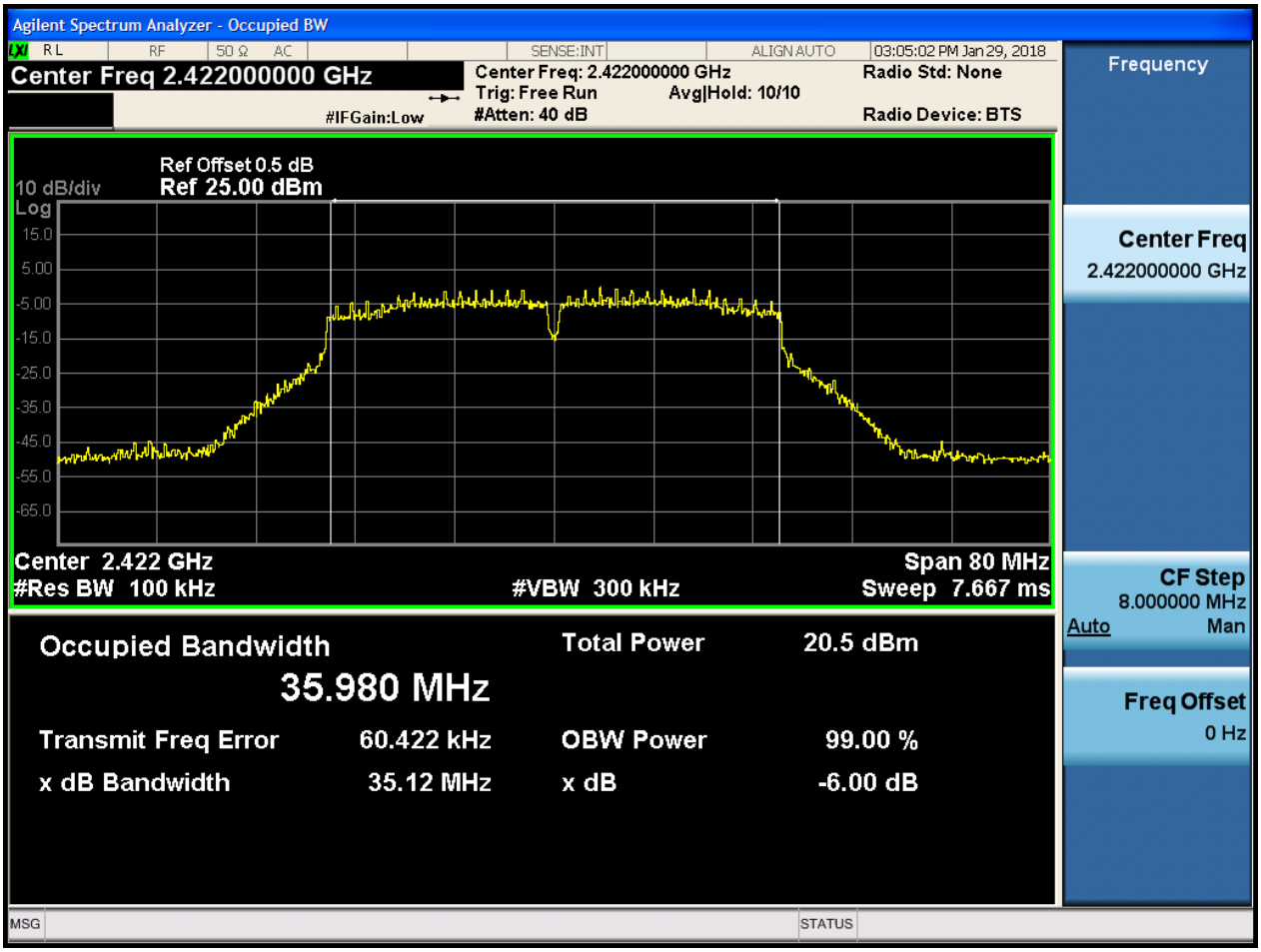

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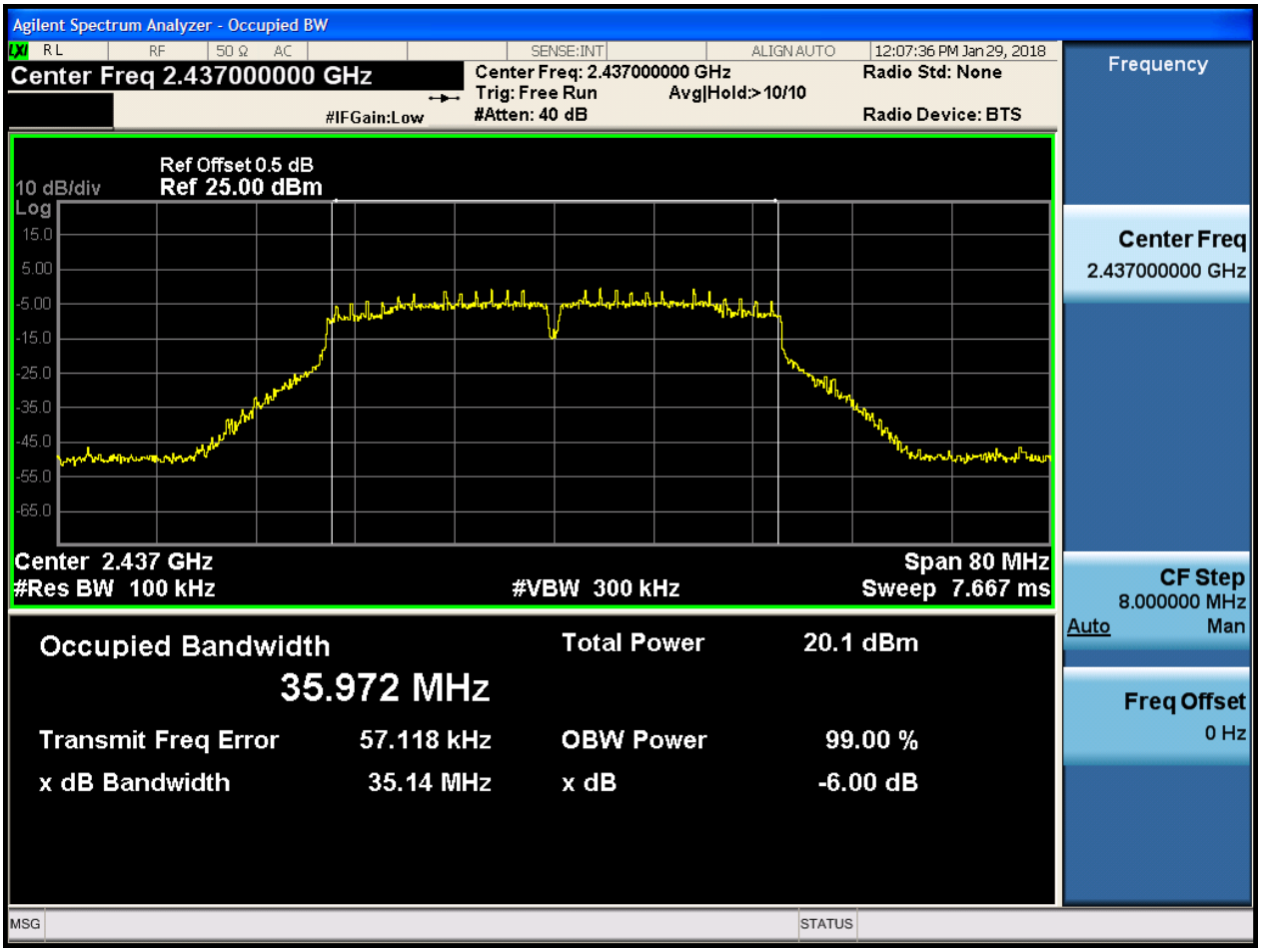

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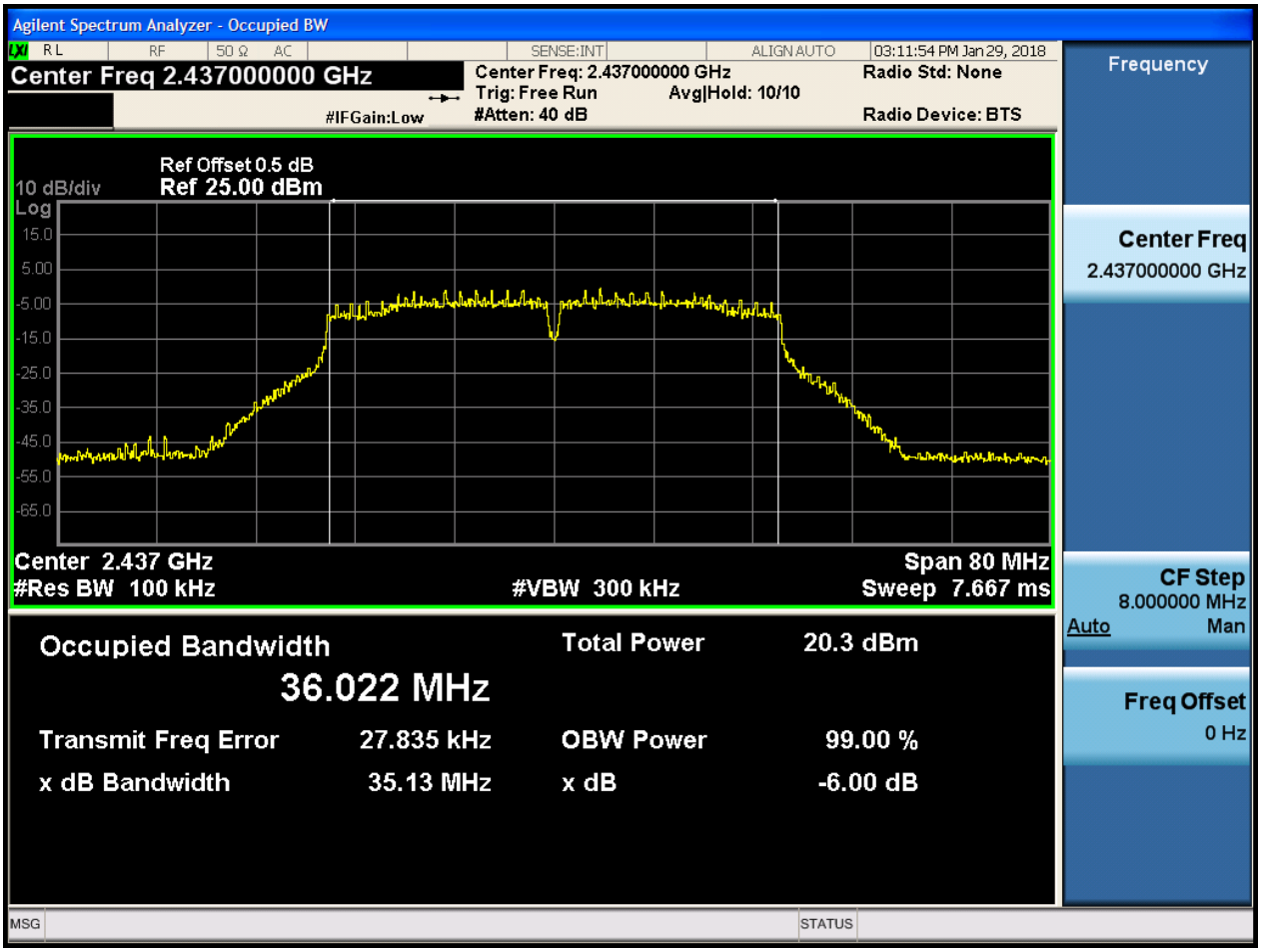

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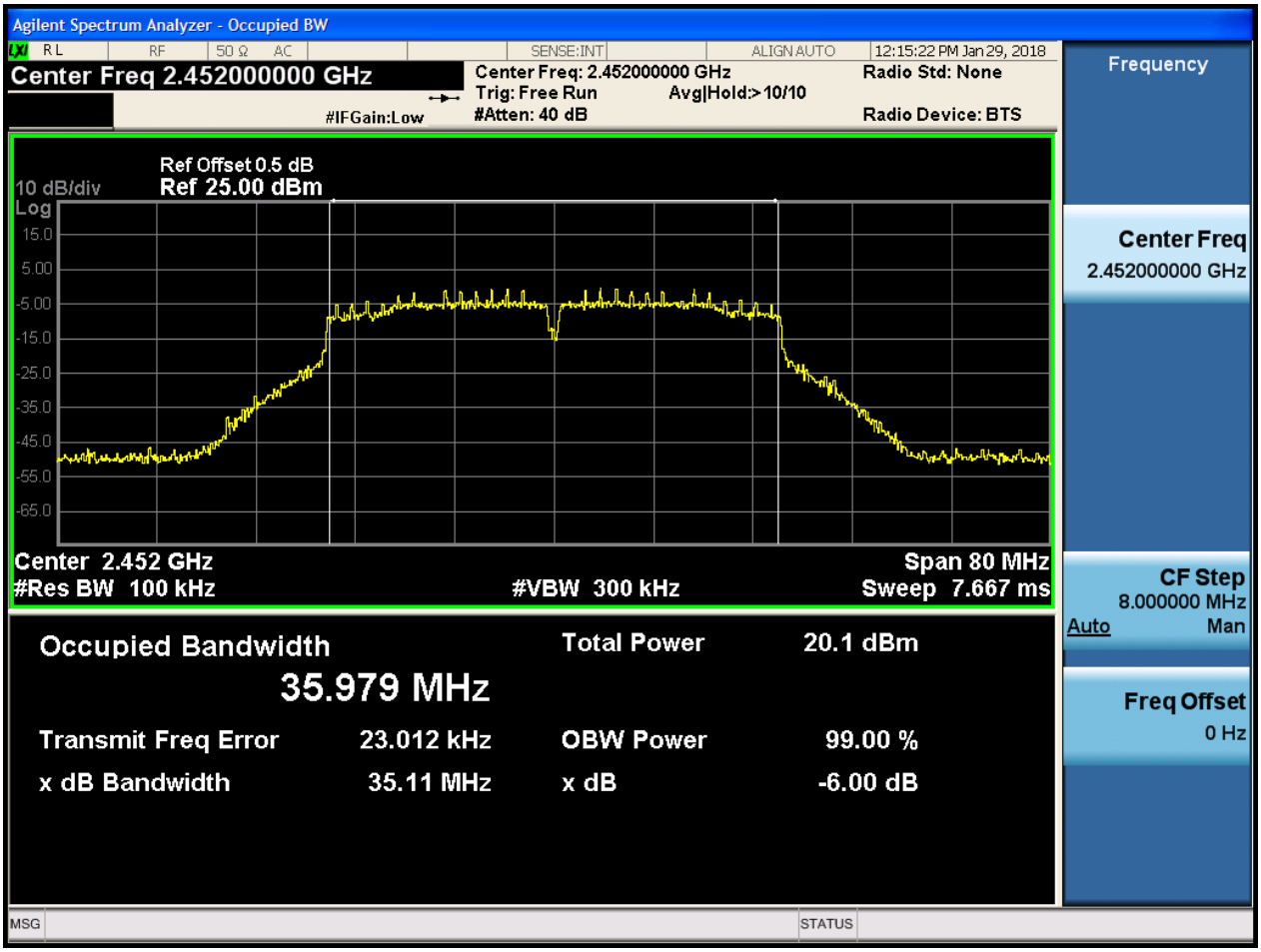

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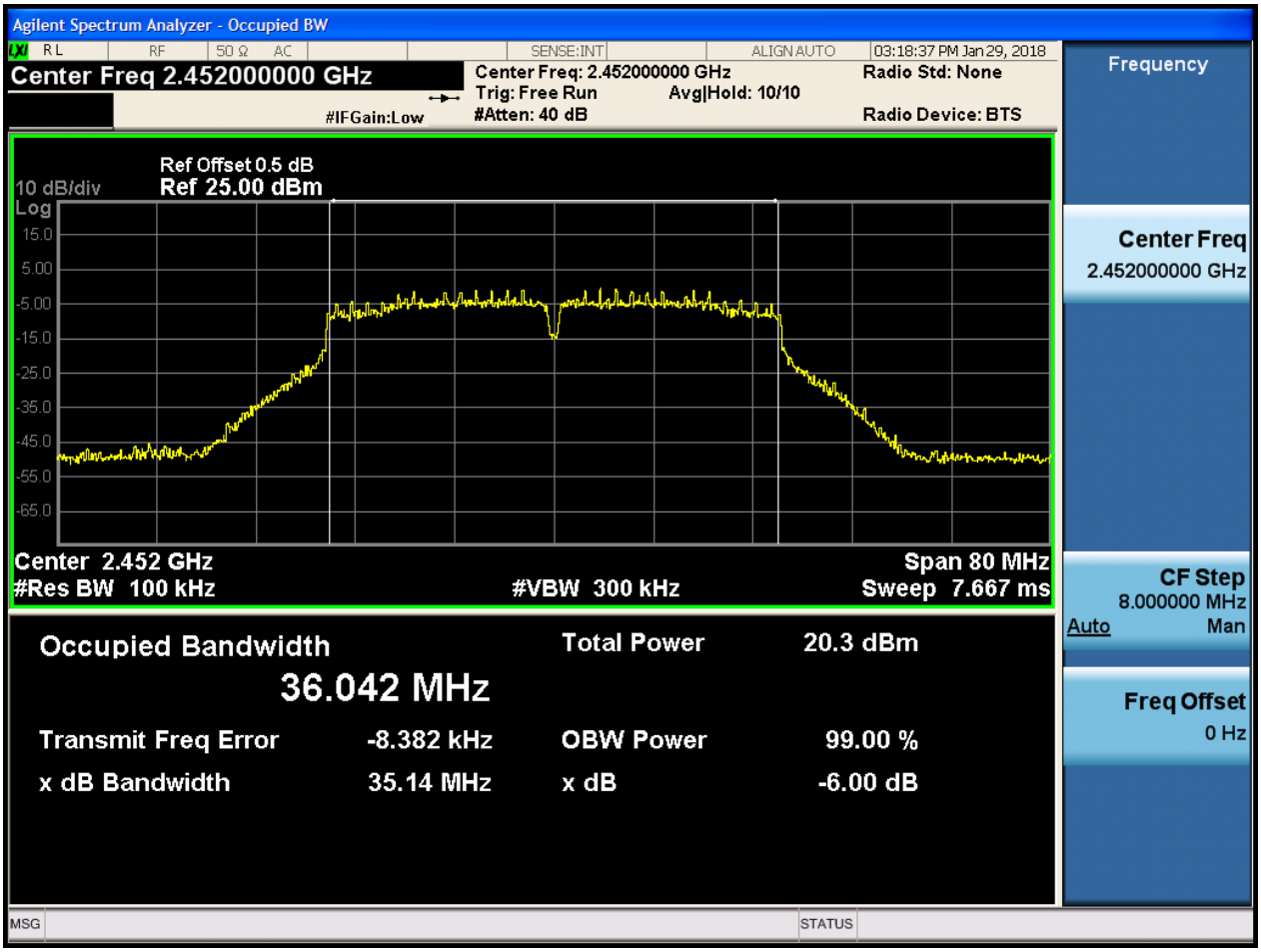


Appendix B: Occupied Bandwidth

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.

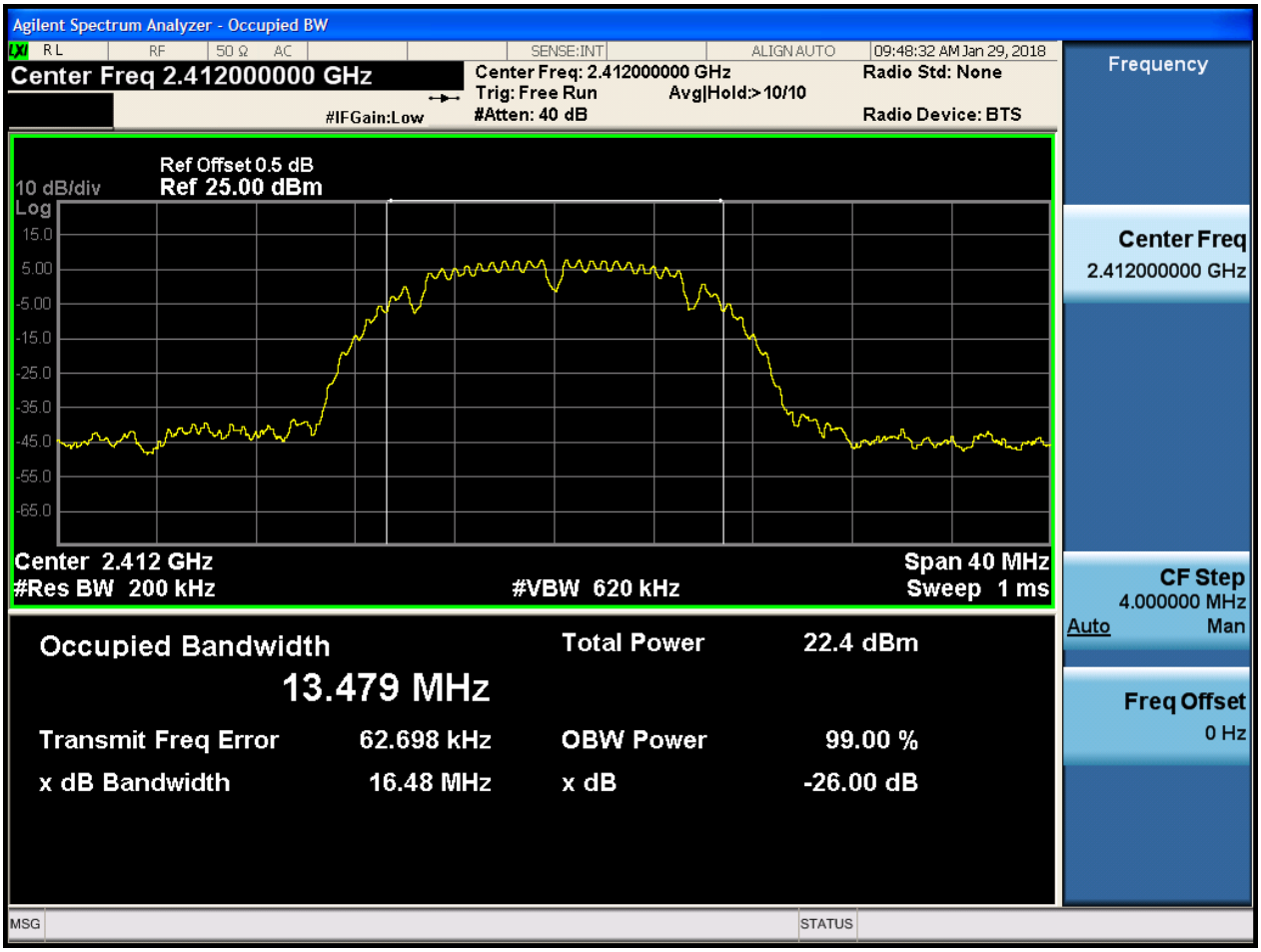
Part I - Test Results

Test Mode	Test Channel	Frequency[MHz]	Ant	Occupied Bandwidth [MHz]	Verdict
11B	L	2412	Ant 1	13.48	pass
11B	L	2412	Ant 2	13.41	pass
11B	M	2437	Ant 1	13.51	pass
11B	M	2437	Ant 2	13.44	pass
11B	H	2452	Ant 1	13.51	pass
11B	H	2452	Ant 2	13.42	pass
11B	H	2462	Ant 1	13.54	pass
11B	H	2462	Ant 2	13.59	pass
11G	L	2412	Ant 1	16.49	pass
11G	L	2412	Ant 2	16.54	pass
11G	M	2437	Ant 1	16.52	pass
11G	M	2437	Ant 2	16.52	pass
11G	H	2452	Ant 1	16.5	pass
11G	H	2452	Ant 2	16.51	pass
11G	H	2462	Ant 1	16.52	pass
11G	H	2462	Ant 2	16.48	pass
11N20	L	2412	Ant 1	17.67	pass
11N20	L	2412	Ant 2	17.66	pass
11N20	M	2437	Ant 1	17.66	pass
11N20	M	2437	Ant 2	17.64	pass
11N20	H	2452	Ant 1	17.66	pass
11N20	H	2452	Ant 2	17.66	pass
11N20	H	2462	Ant 1	17.65	pass
11N20	H	2462	Ant 2	17.64	pass
11N20m	L	2412	Ant 1	17.66	pass
11N20m	L	2412	Ant 2	17.66	pass
11N20m	M	2437	Ant 1	17.65	pass
11N20m	M	2437	Ant 2	17.66	pass
11N20m	H	2452	Ant 1	17.65	pass
11N20m	H	2452	Ant 2	17.67	pass
11N20m	H	2462	Ant 1	17.66	pass
11N20m	H	2462	Ant 2	17.66	pass
11N40	L	2422	Ant 1	36.08	pass

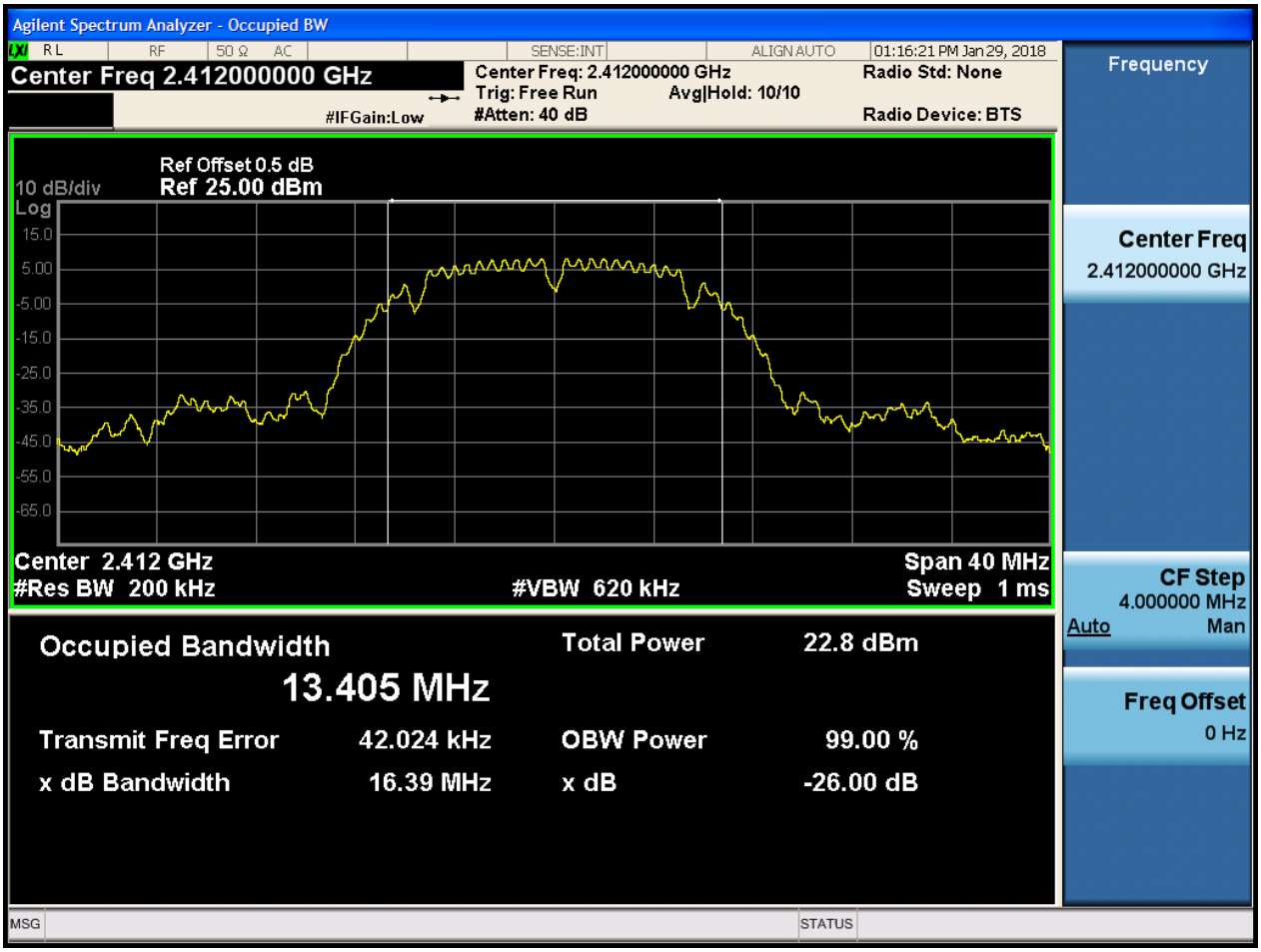
Test Mode	Test Channel	Frequency[MHz]	Ant	Occupied Bandwidth [MHz]	Verdict
11N40	L	2422	Ant 2	36.20	pass
11N40	M	2437	Ant 1	36.12	pass
11N40	M	2437	Ant 2	36.11	pass
11N40	H	2452	Ant 1	36.13	pass
11N40	H	2452	Ant 2	36.07	pass
11N40m	L	2422	Ant 1	36.15	pass
11N40m	L	2422	Ant 2	36.07	pass
11N40m	M	2437	Ant 1	36.14	pass
11N40m	M	2437	Ant 2	36.05	pass
11N40m	H	2452	Ant 1	36.09	pass
11N40m	H	2452	Ant 2	36.05	pass

Part II - Test Plots

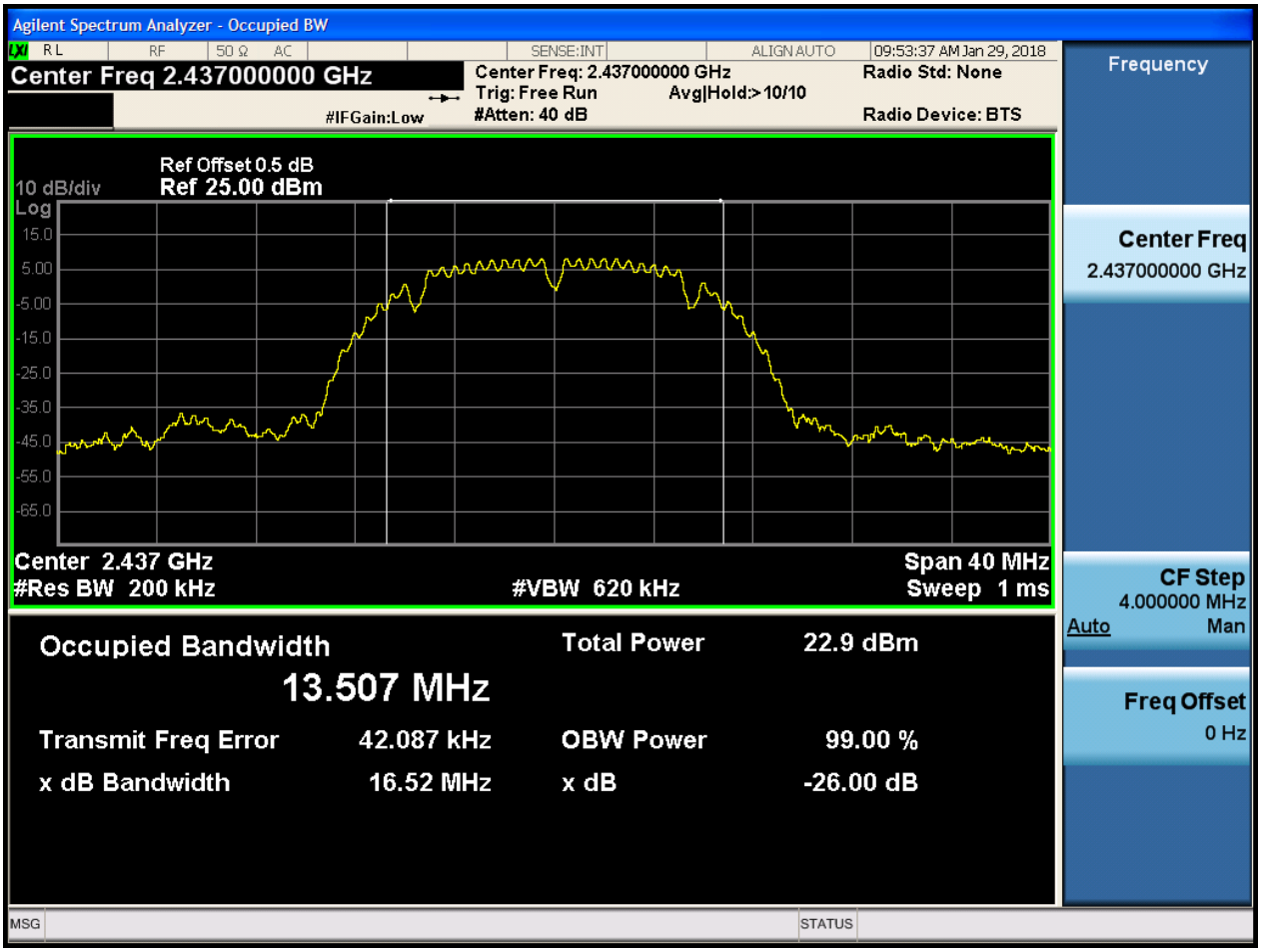
2.1 11B_L@Ant 1



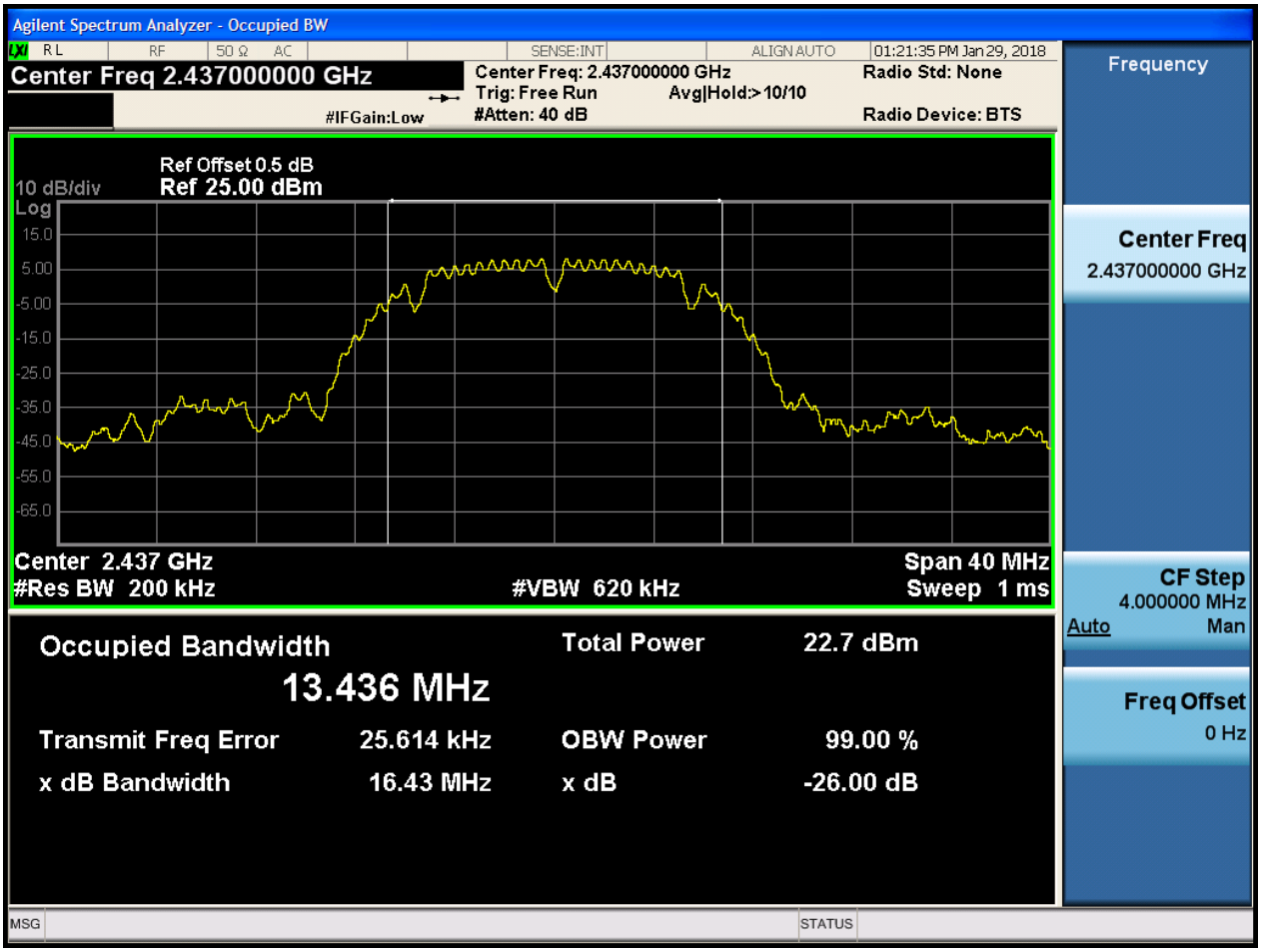
2.2 11B_L@Ant 2



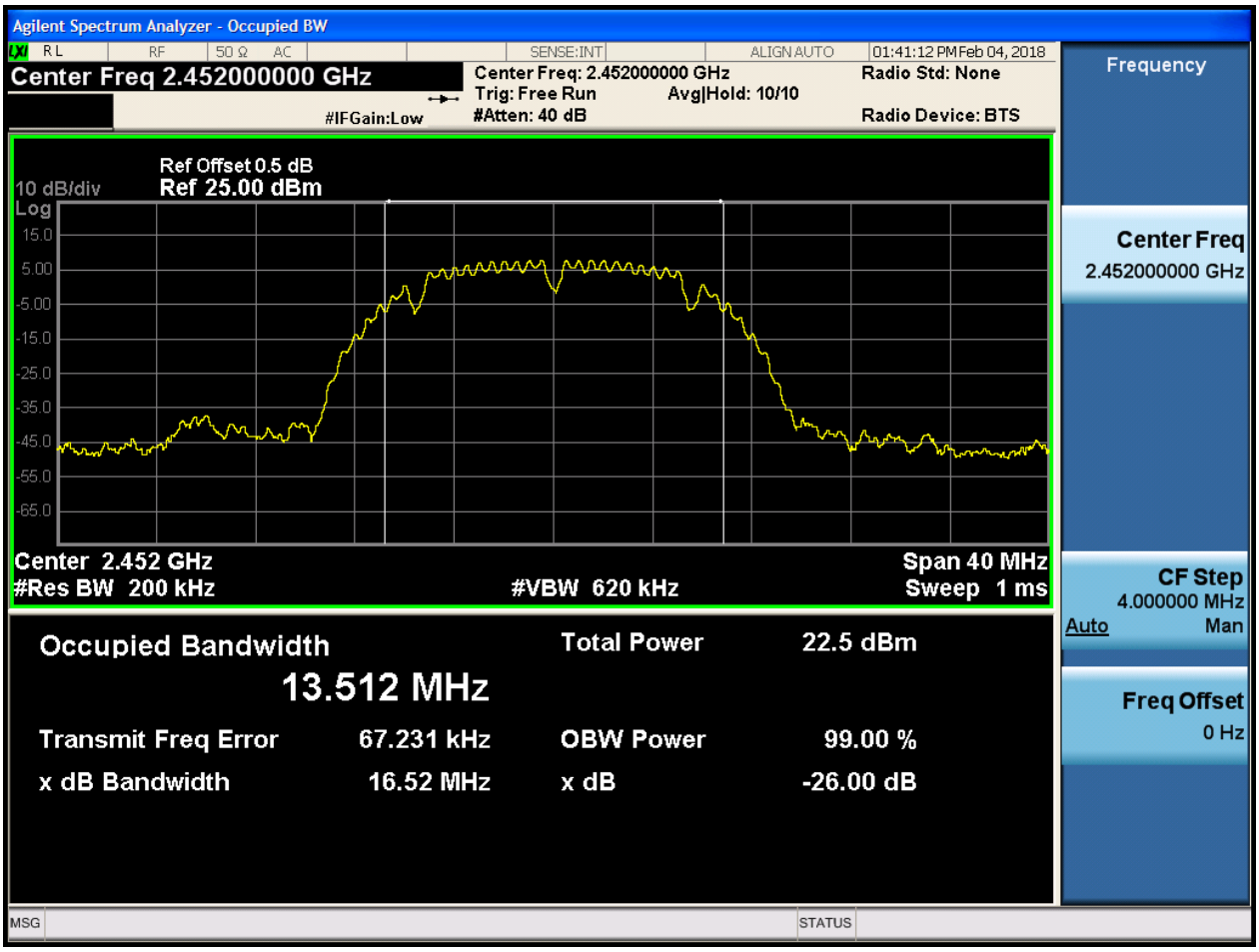
2.3 11B_M@Ant 1



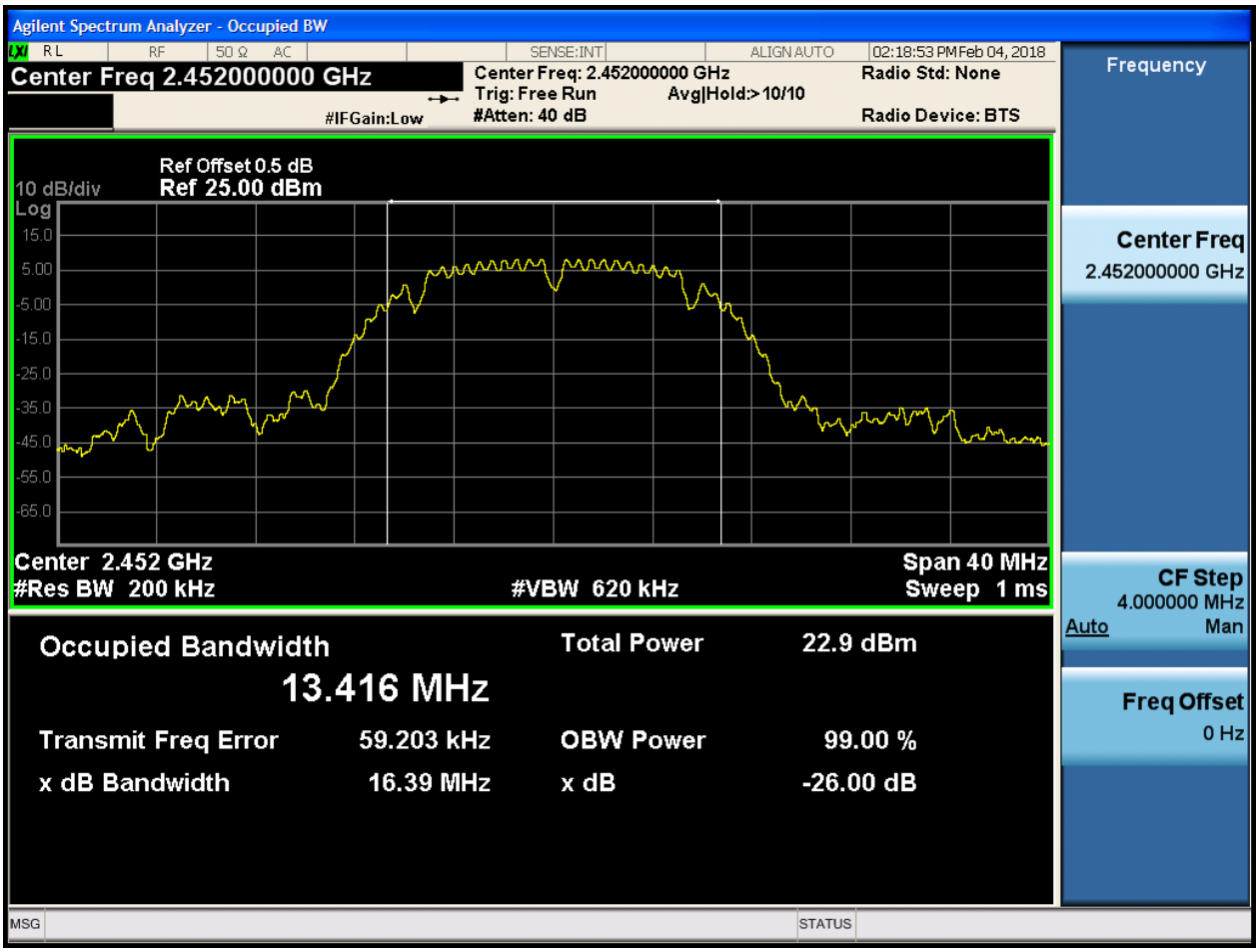
2.4 11B_M@Ant 2



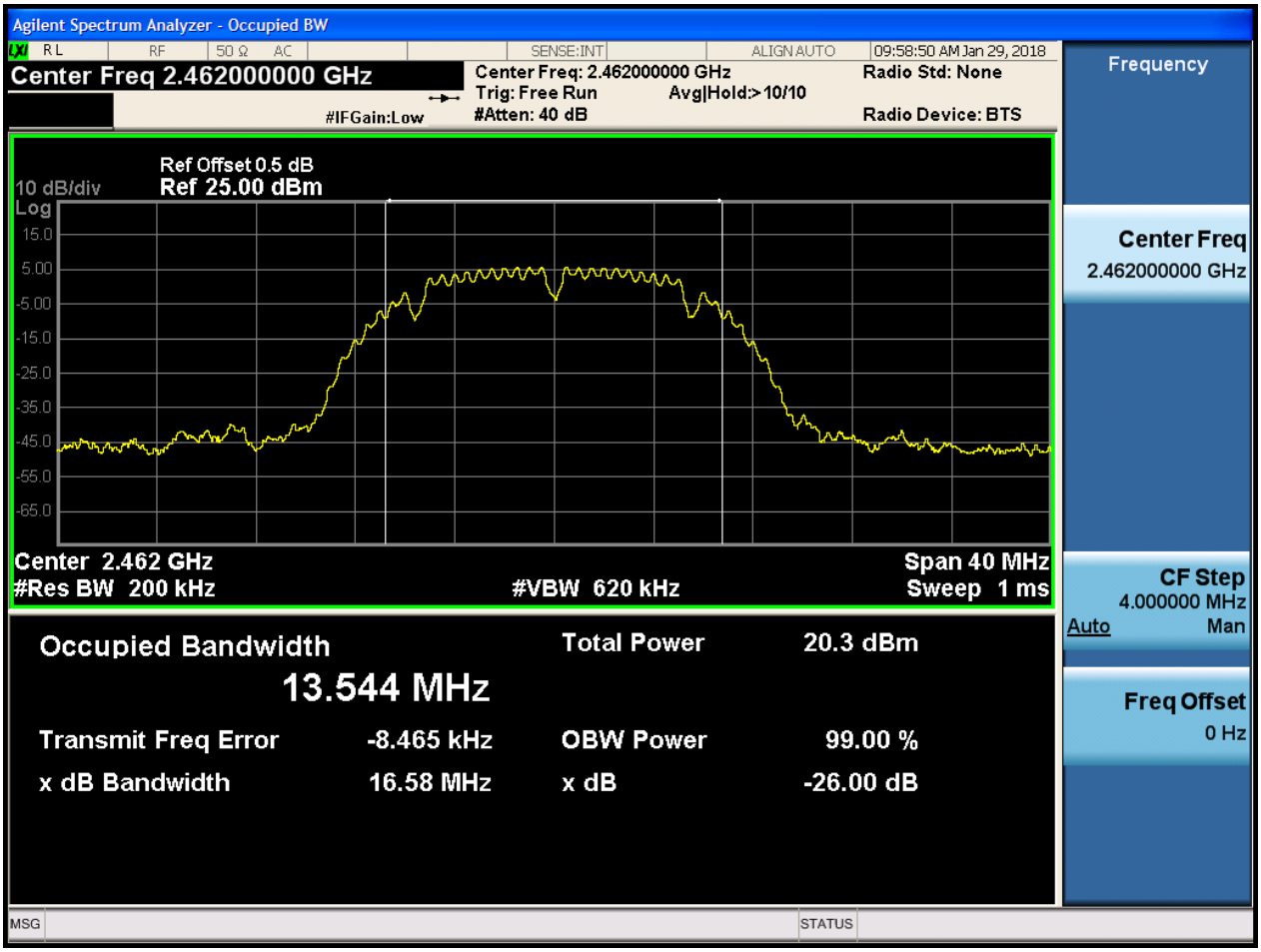
2.5 11B_H_2452@Ant 1



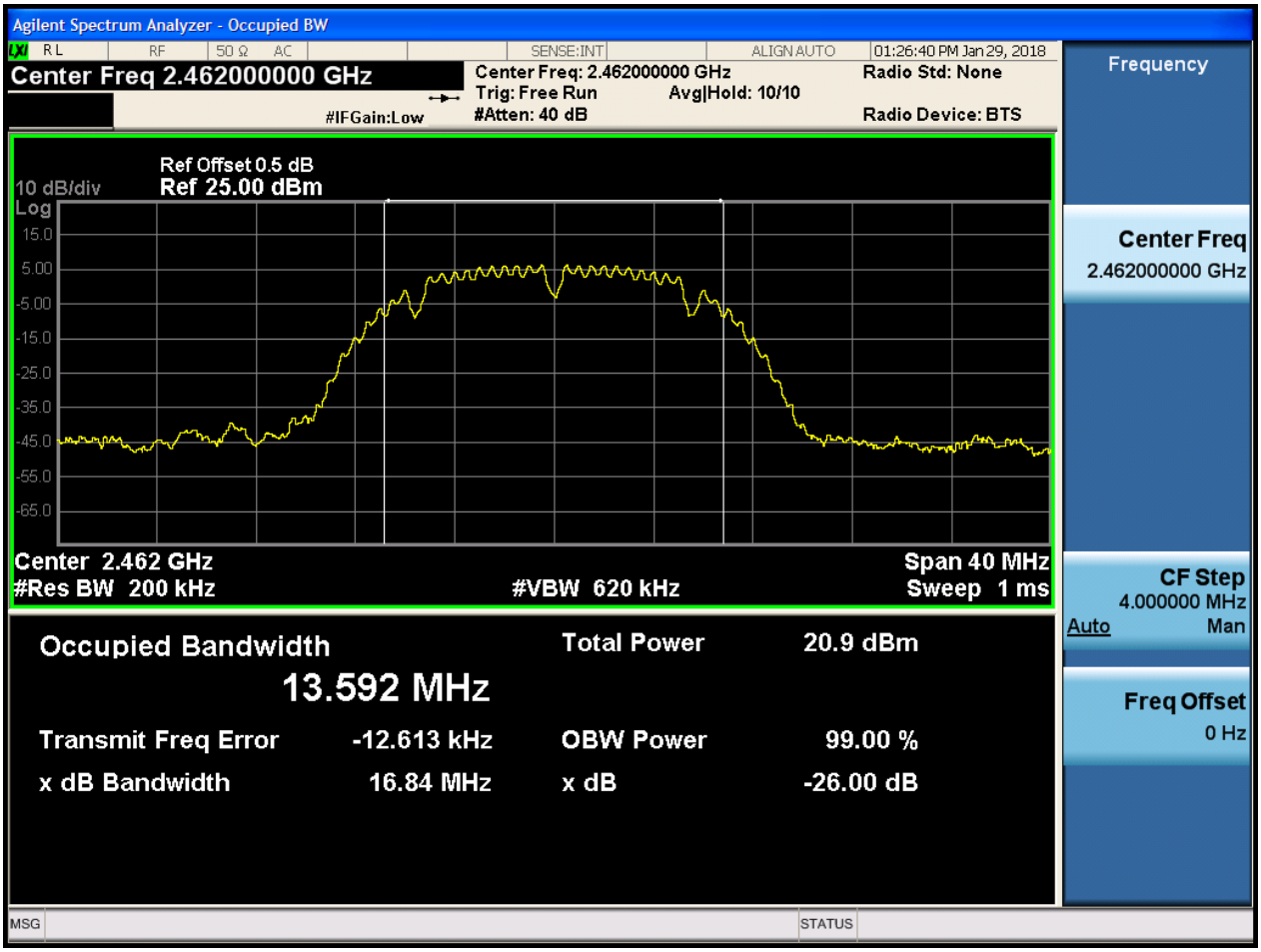
2.6 11B_H_2452@Ant 2



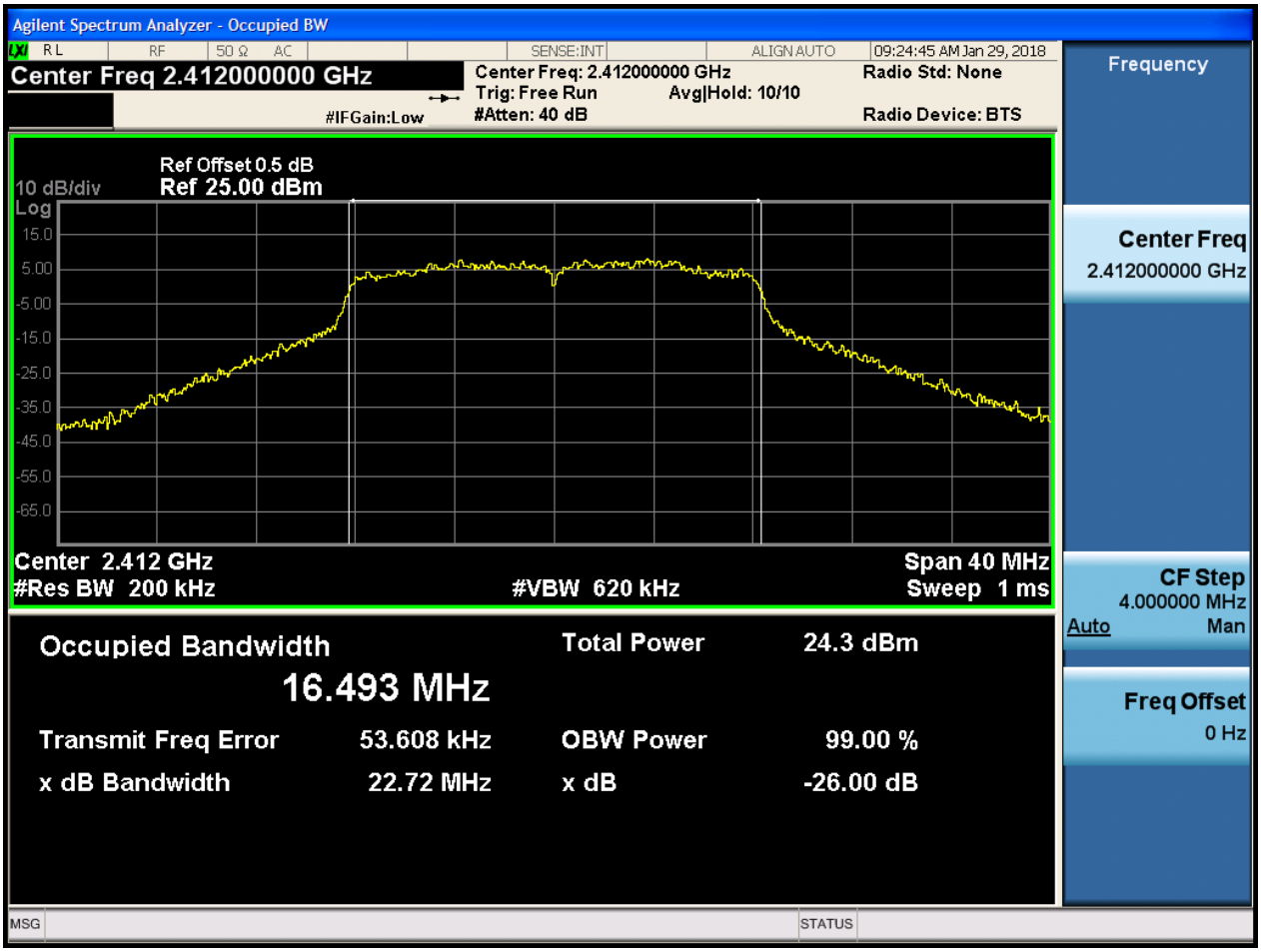
2.7 11B_H_2462@Ant 1



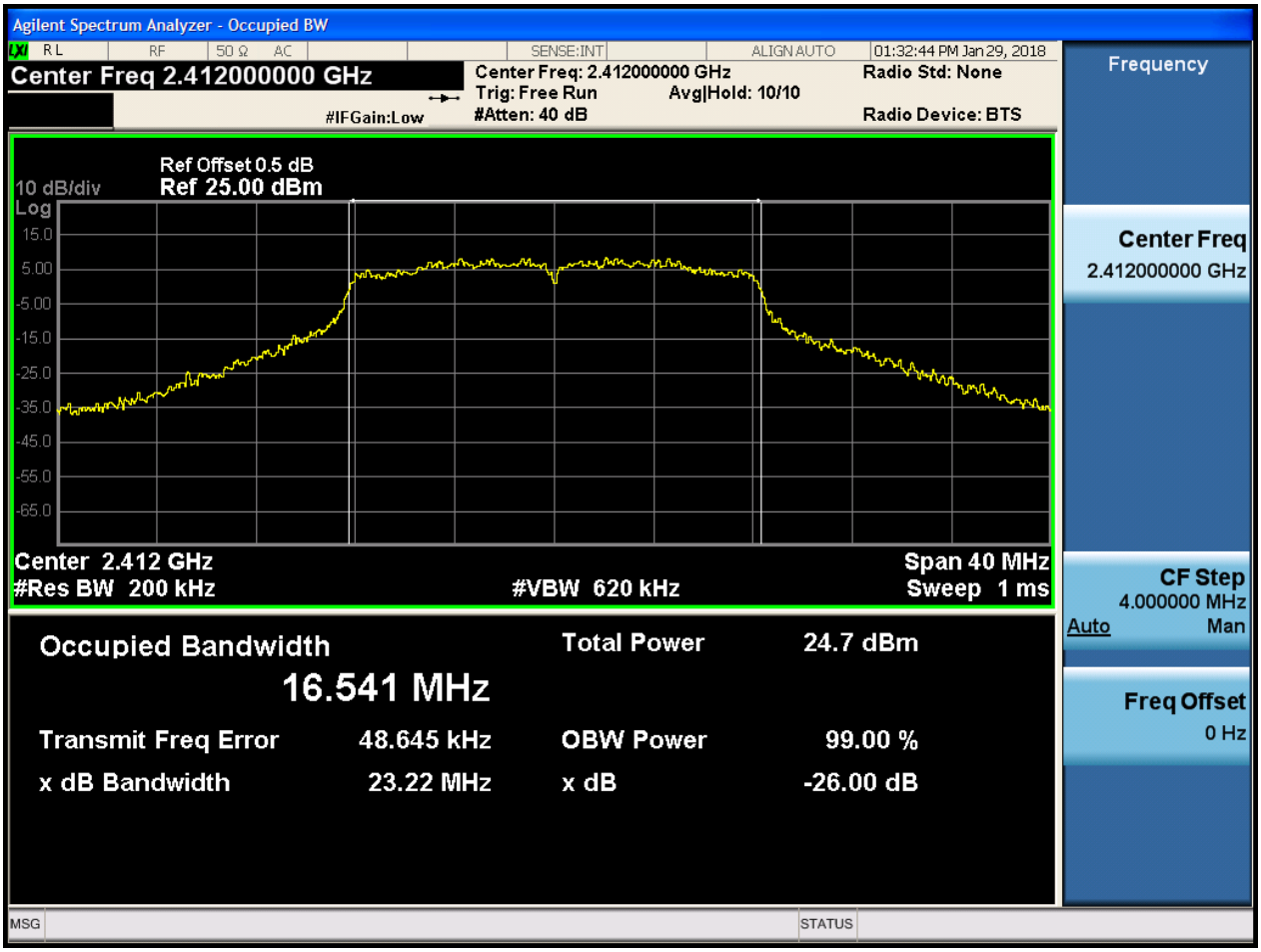
2.8 11B_H_2462@Ant 2



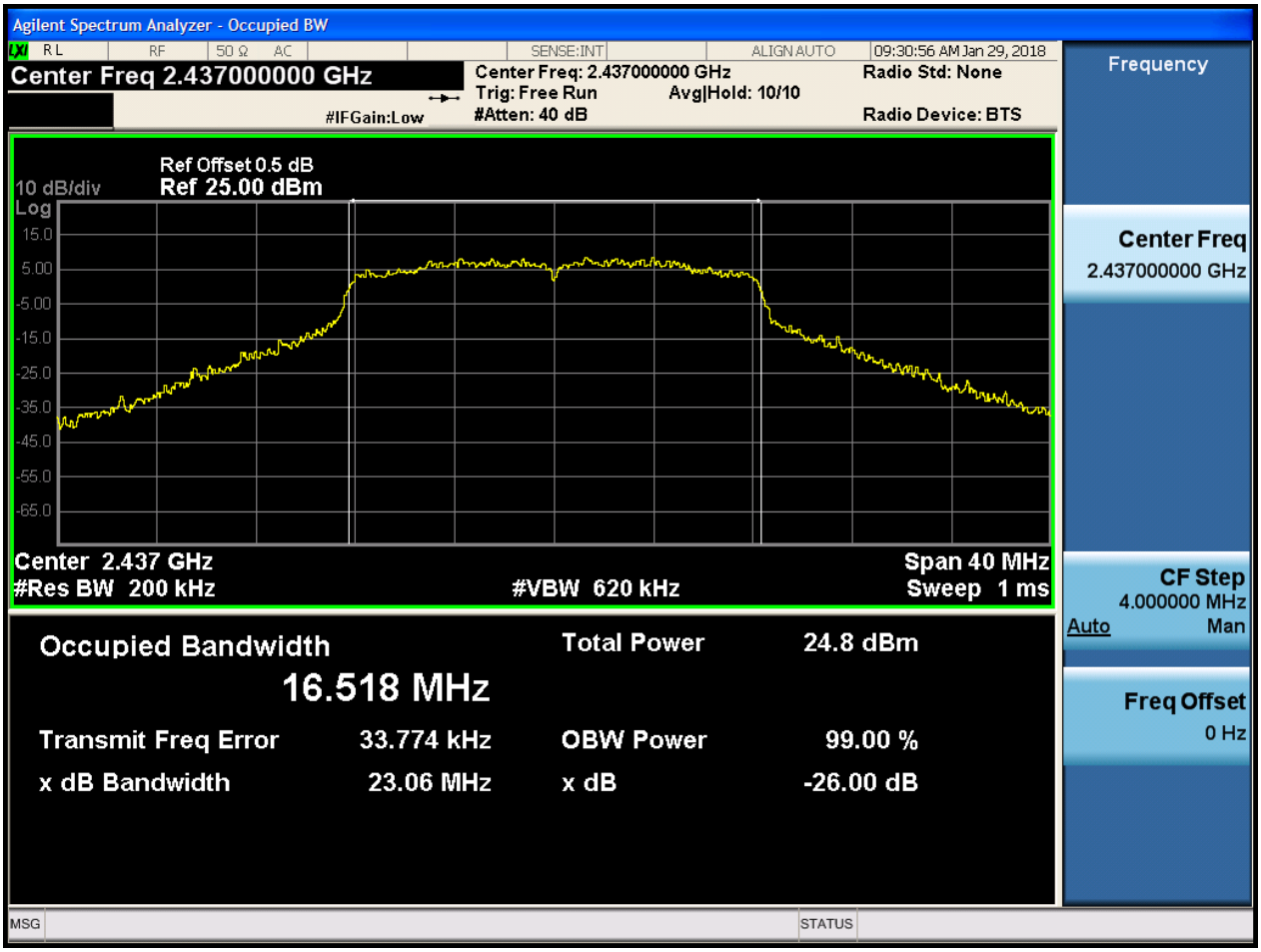
2.9 11G_L@Ant 1



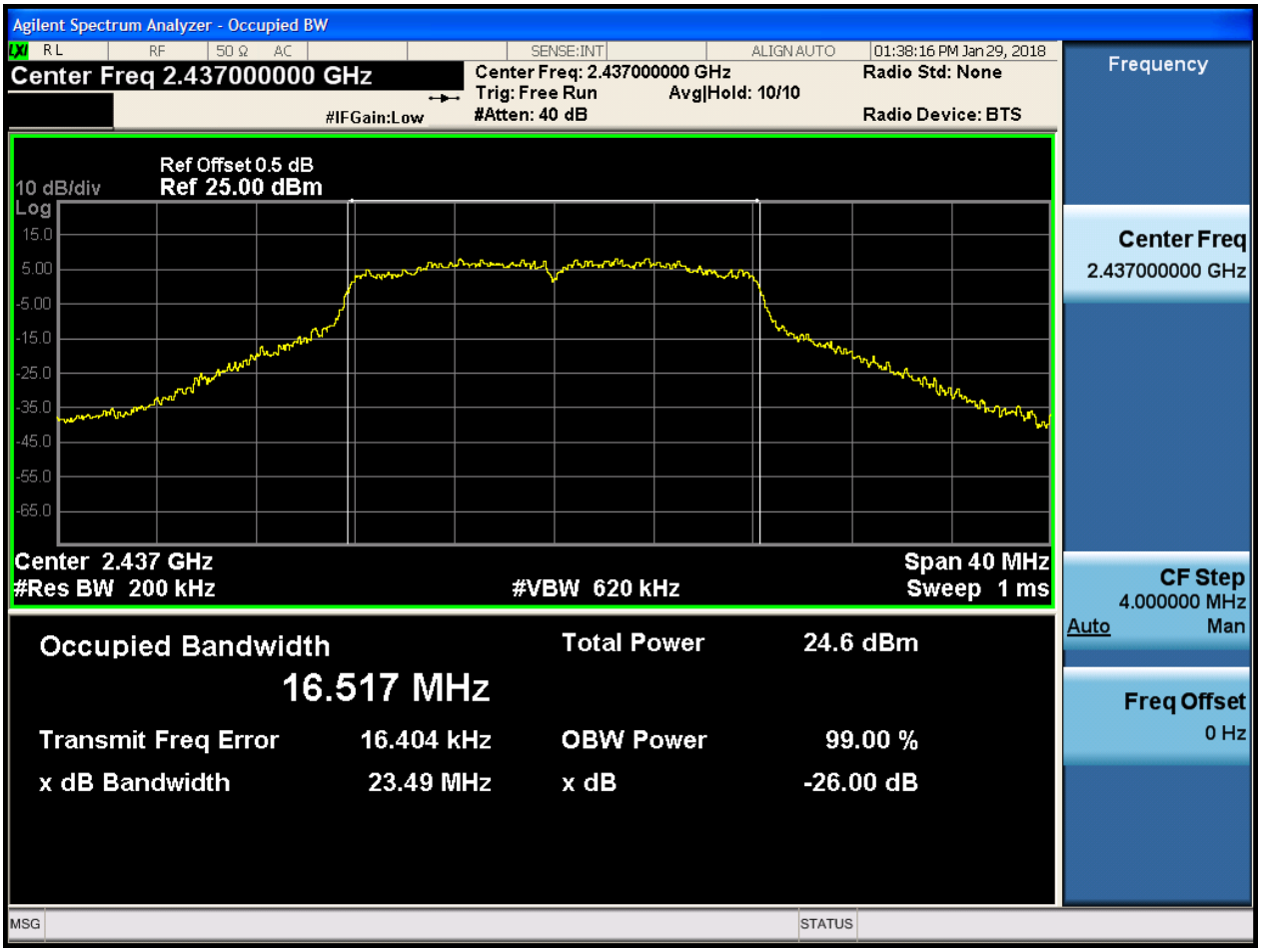
2.10 11G_L@Ant 2



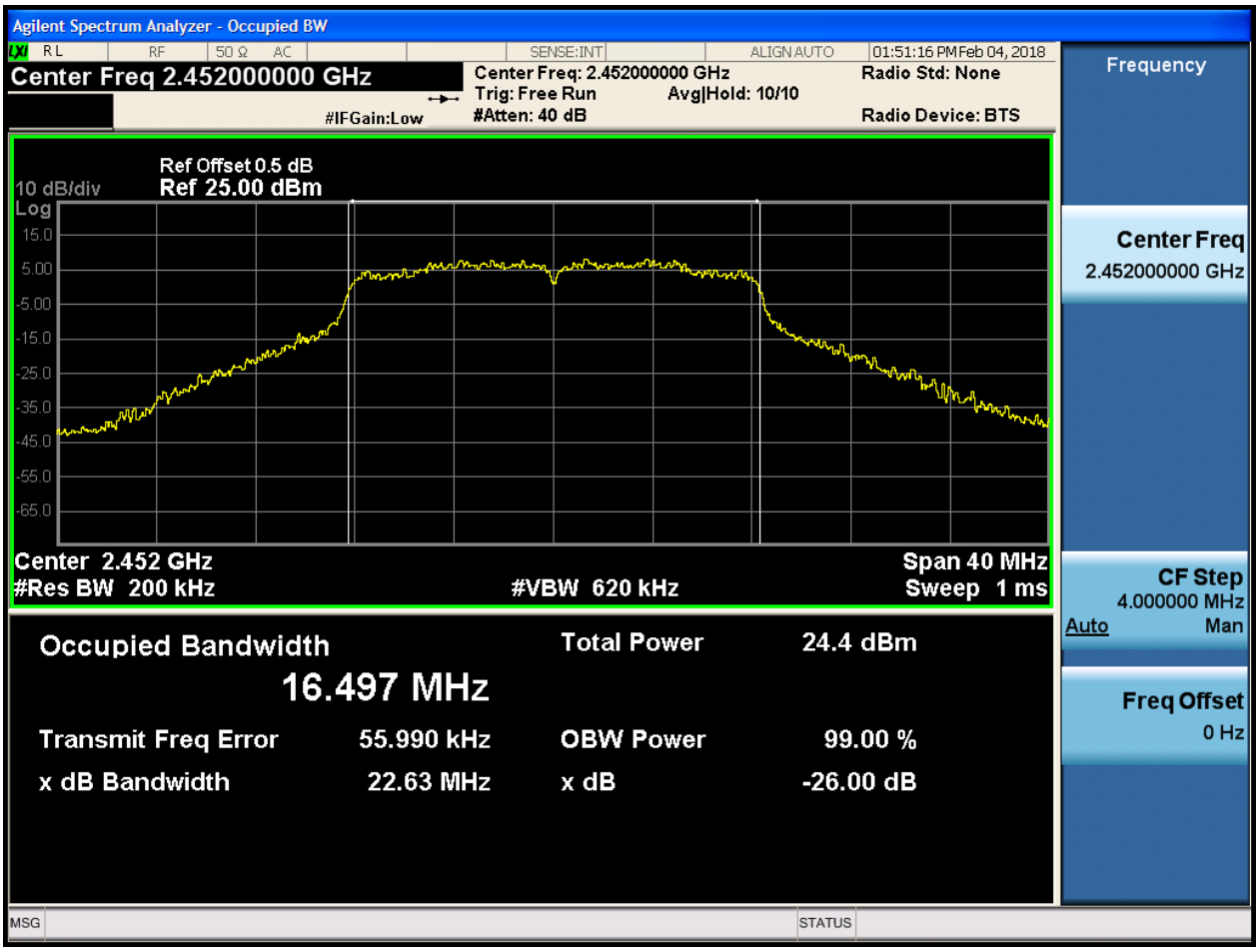
2.11 11G_M@Ant 1



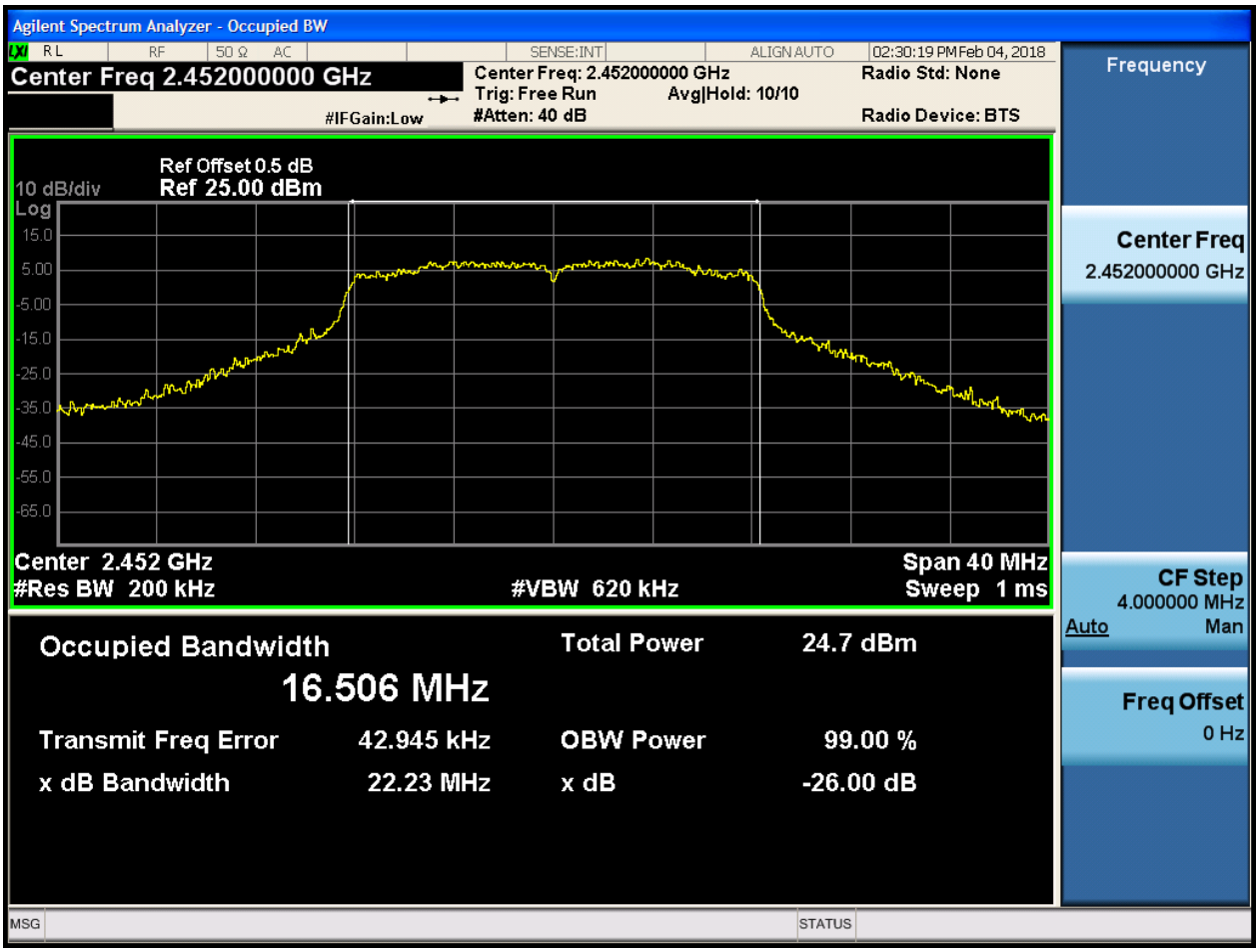
2.12 11G_M@Ant 2



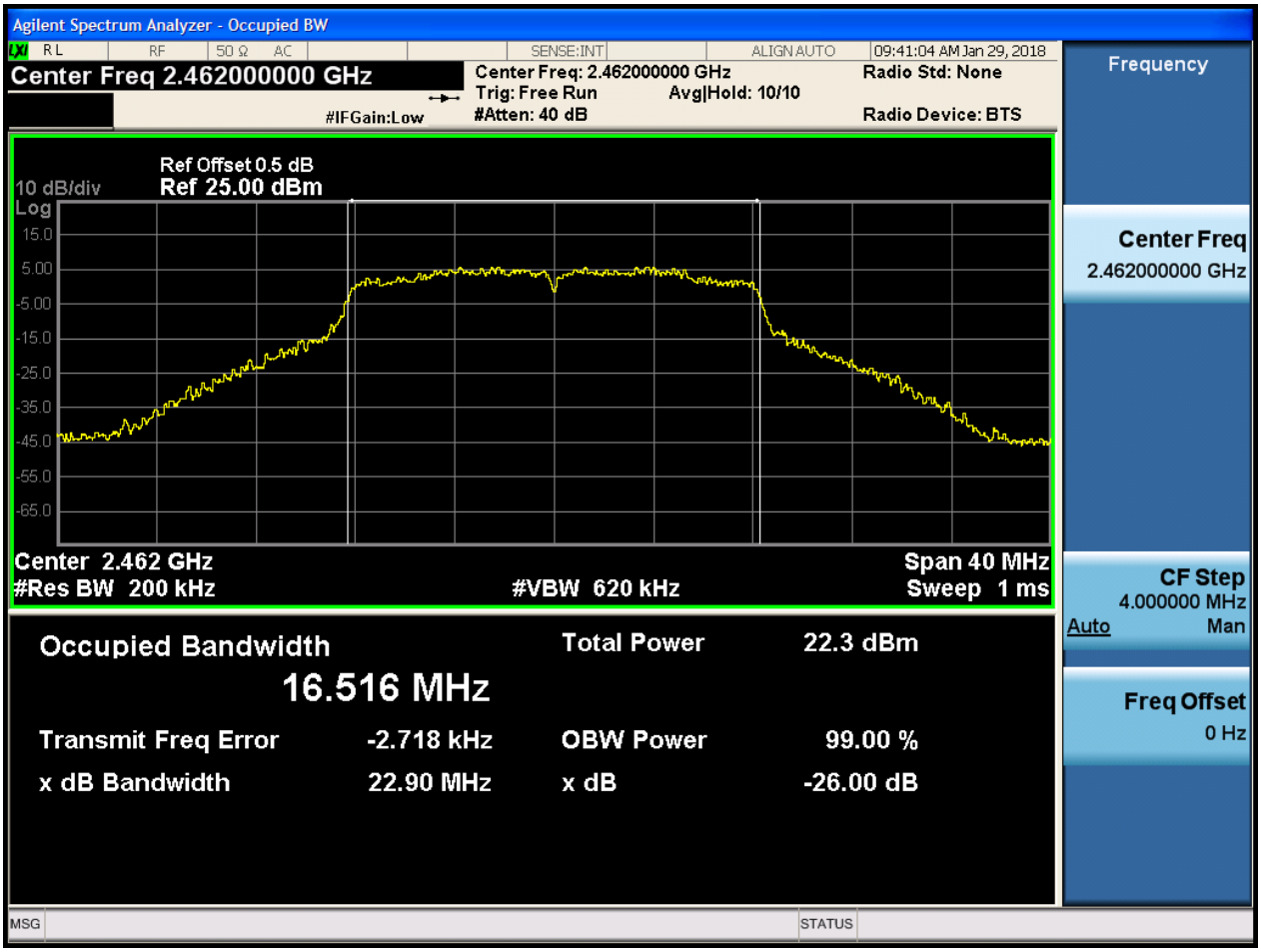
2.13 11G_H_2452@Ant 1



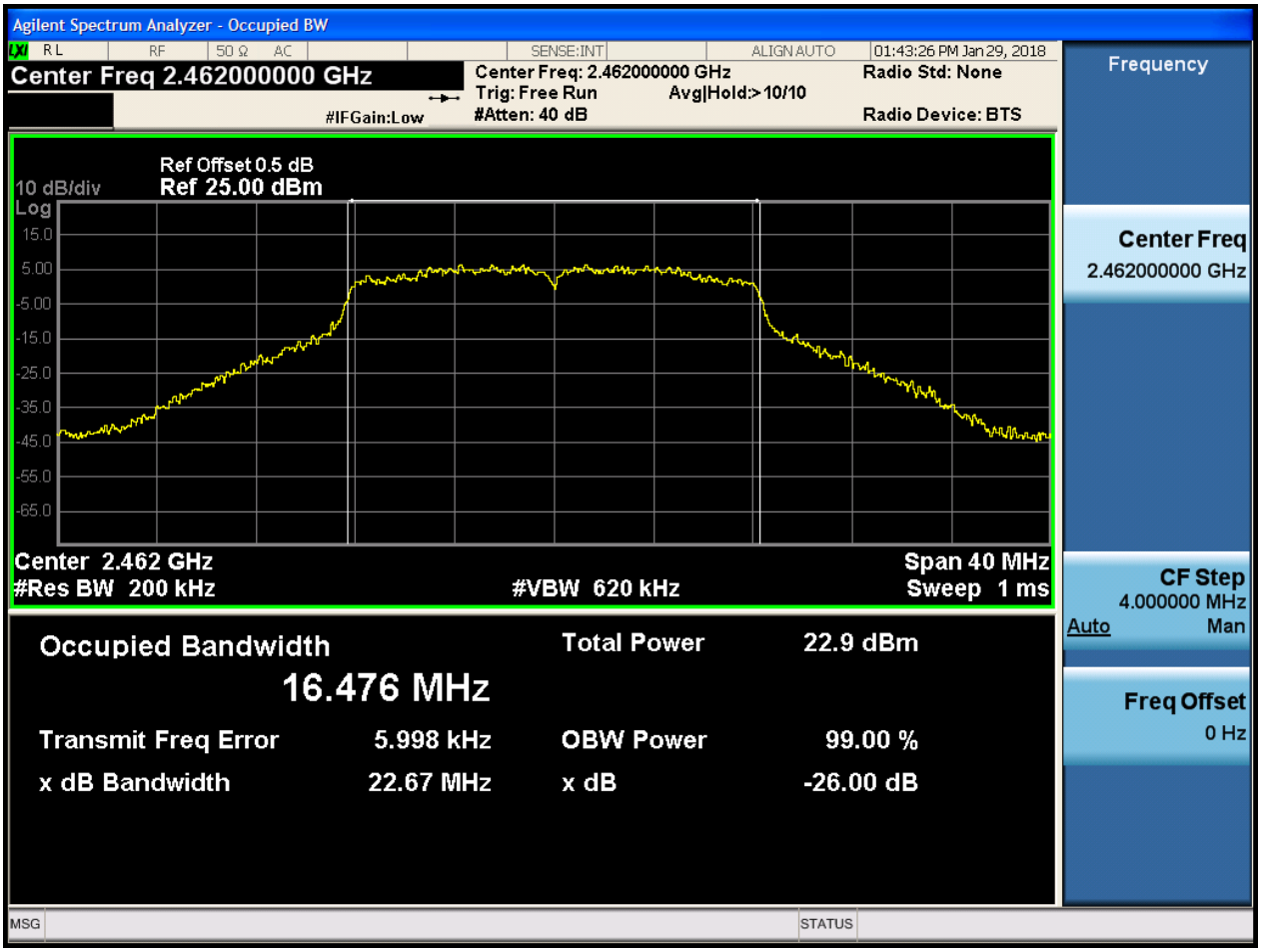
2.14 11G_H_2452@Ant 2



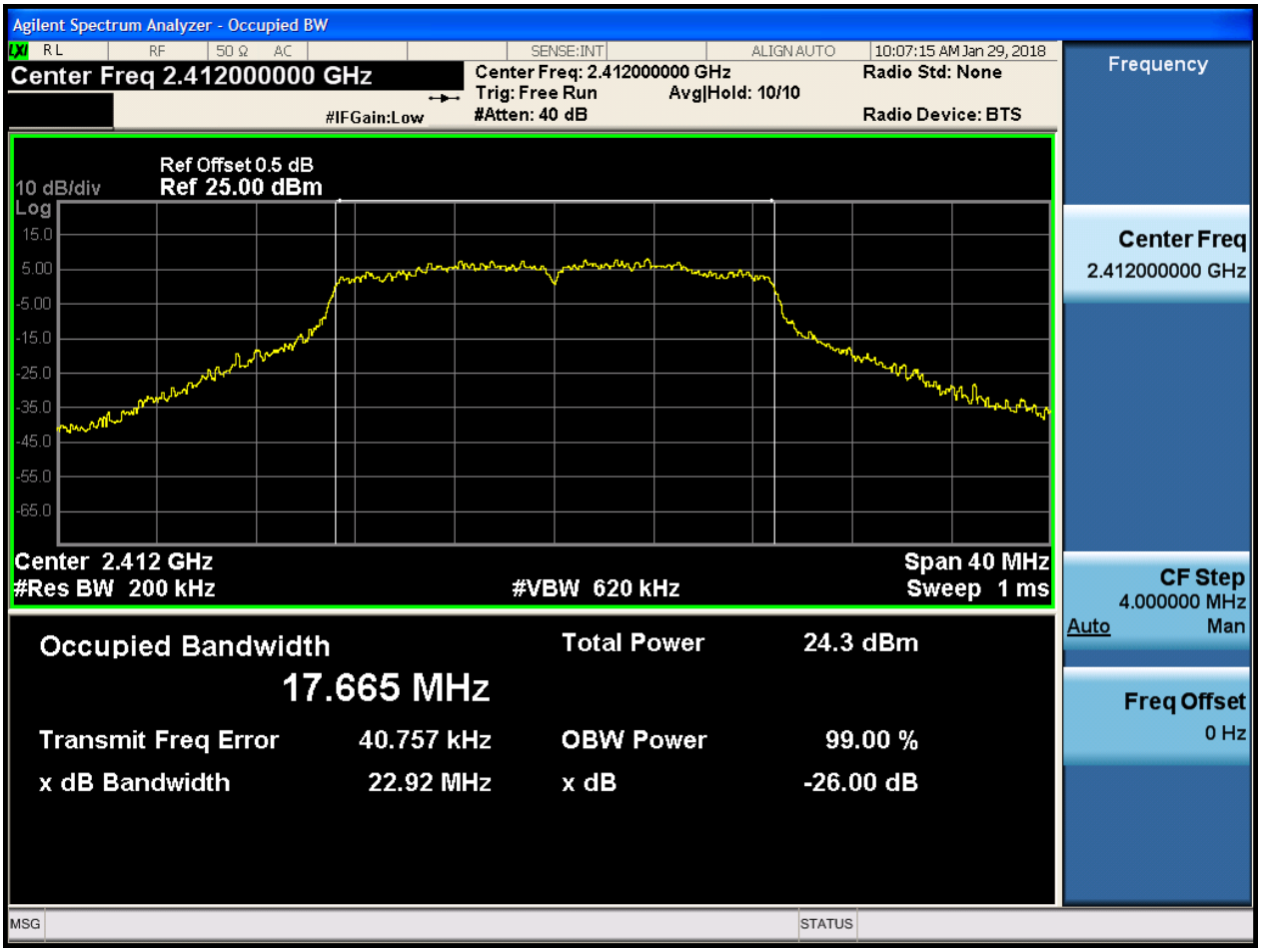
2.15 11G_H_2462@Ant 1



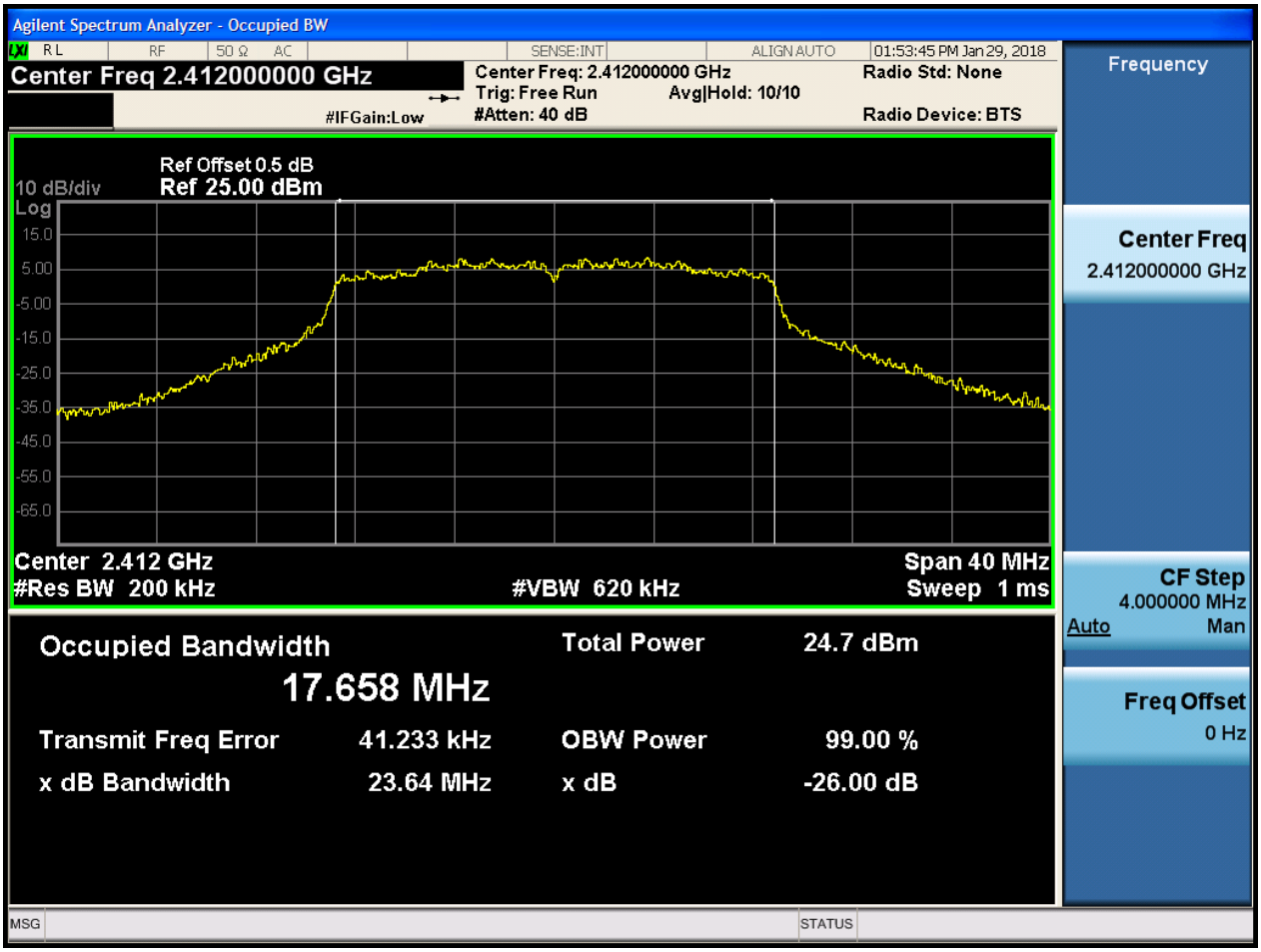
2.16 11G_H_2462@Ant 2



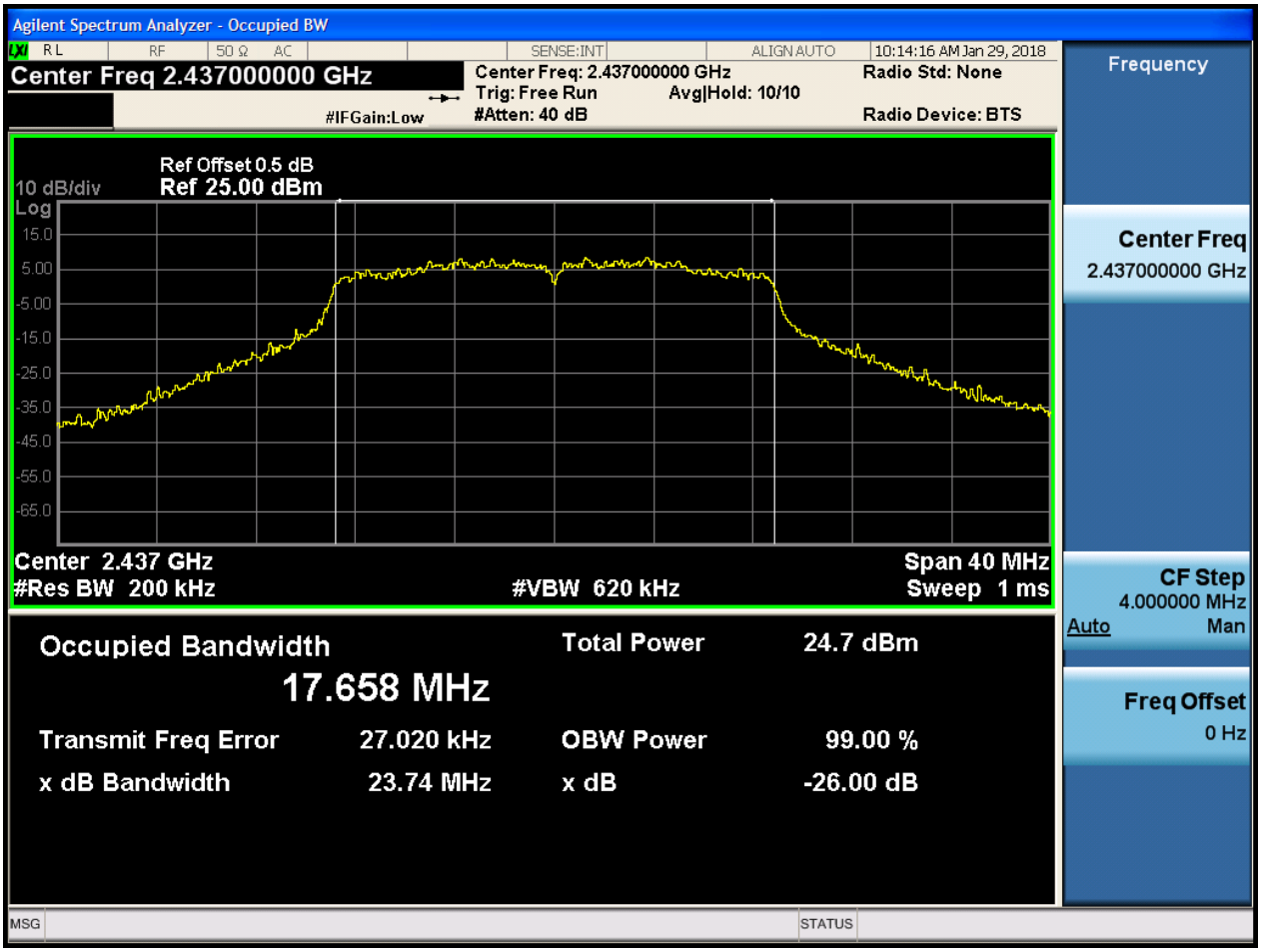
2.17 11N20_L@Ant 1



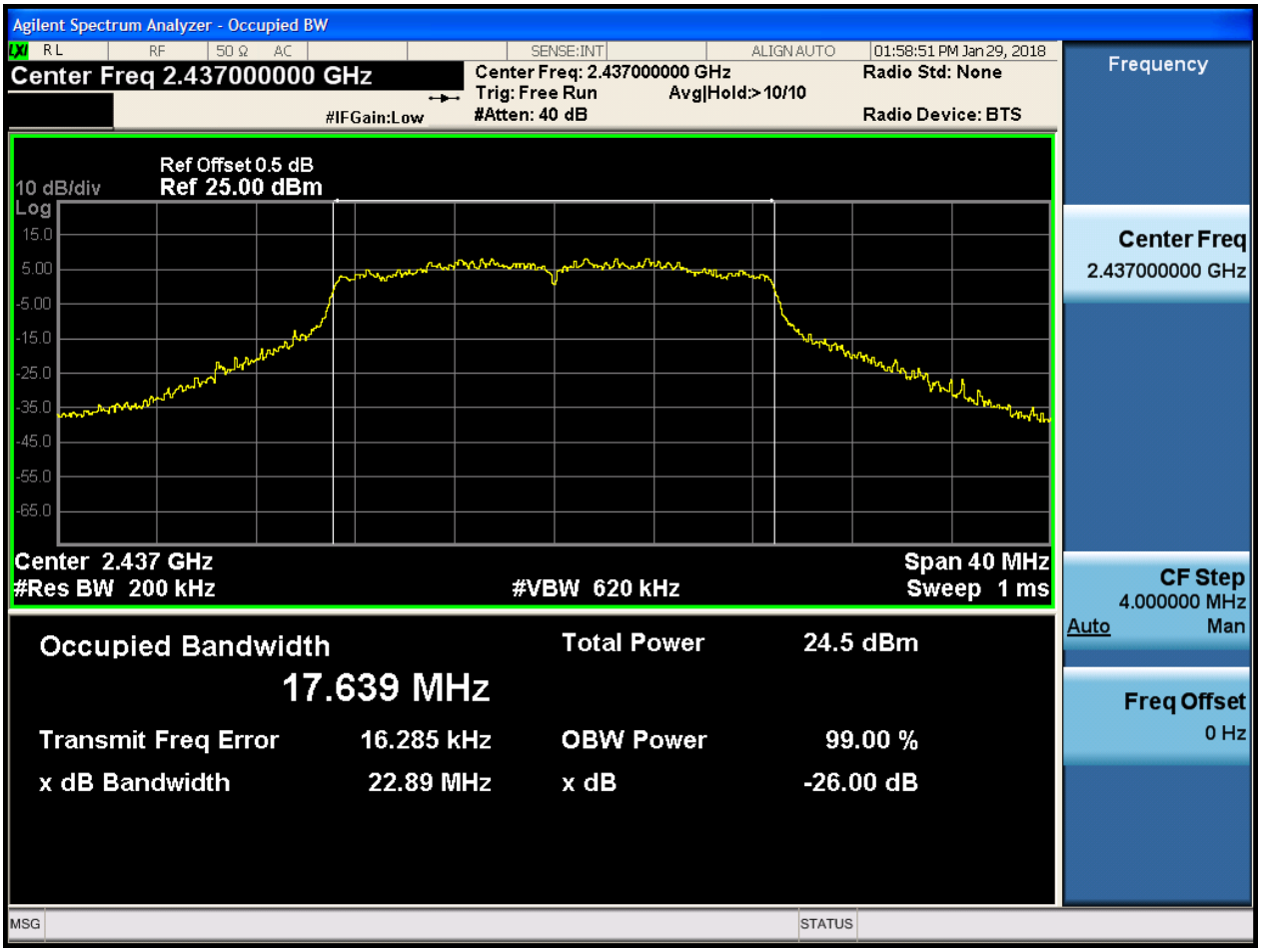
2.18 11N20_L@Ant 2



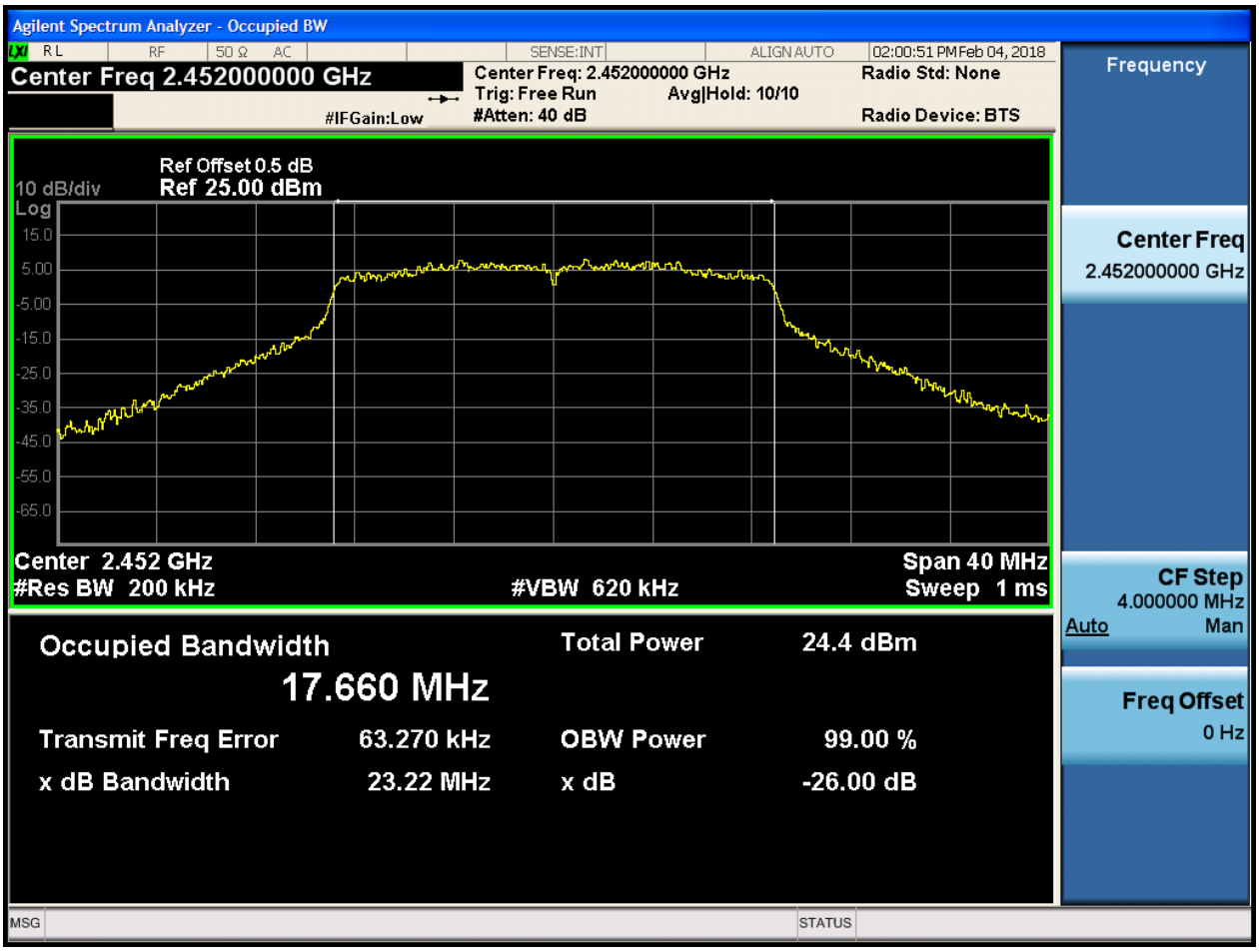
2.19 11N20_M@Ant 1



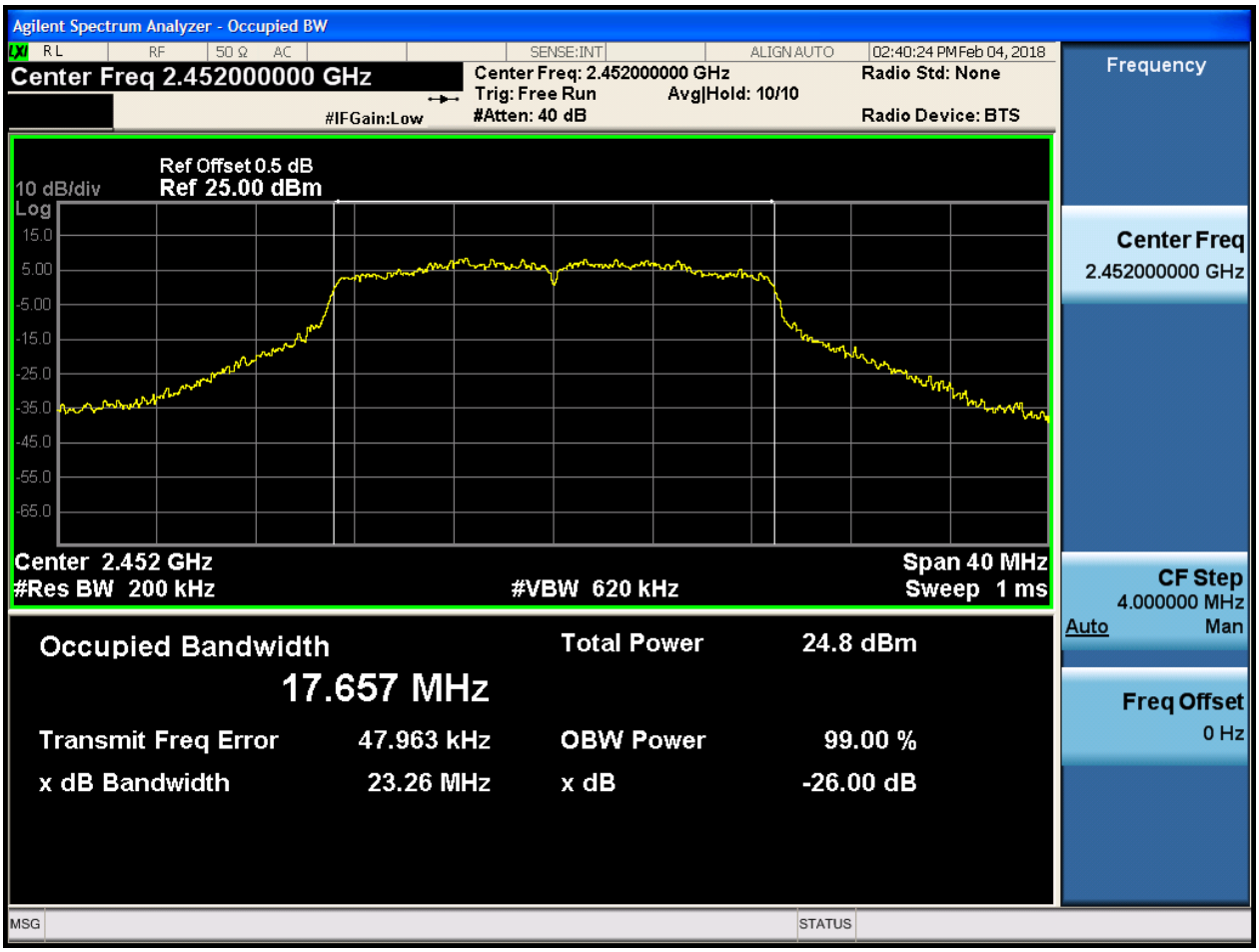
2.20 11N20_M@Ant 2



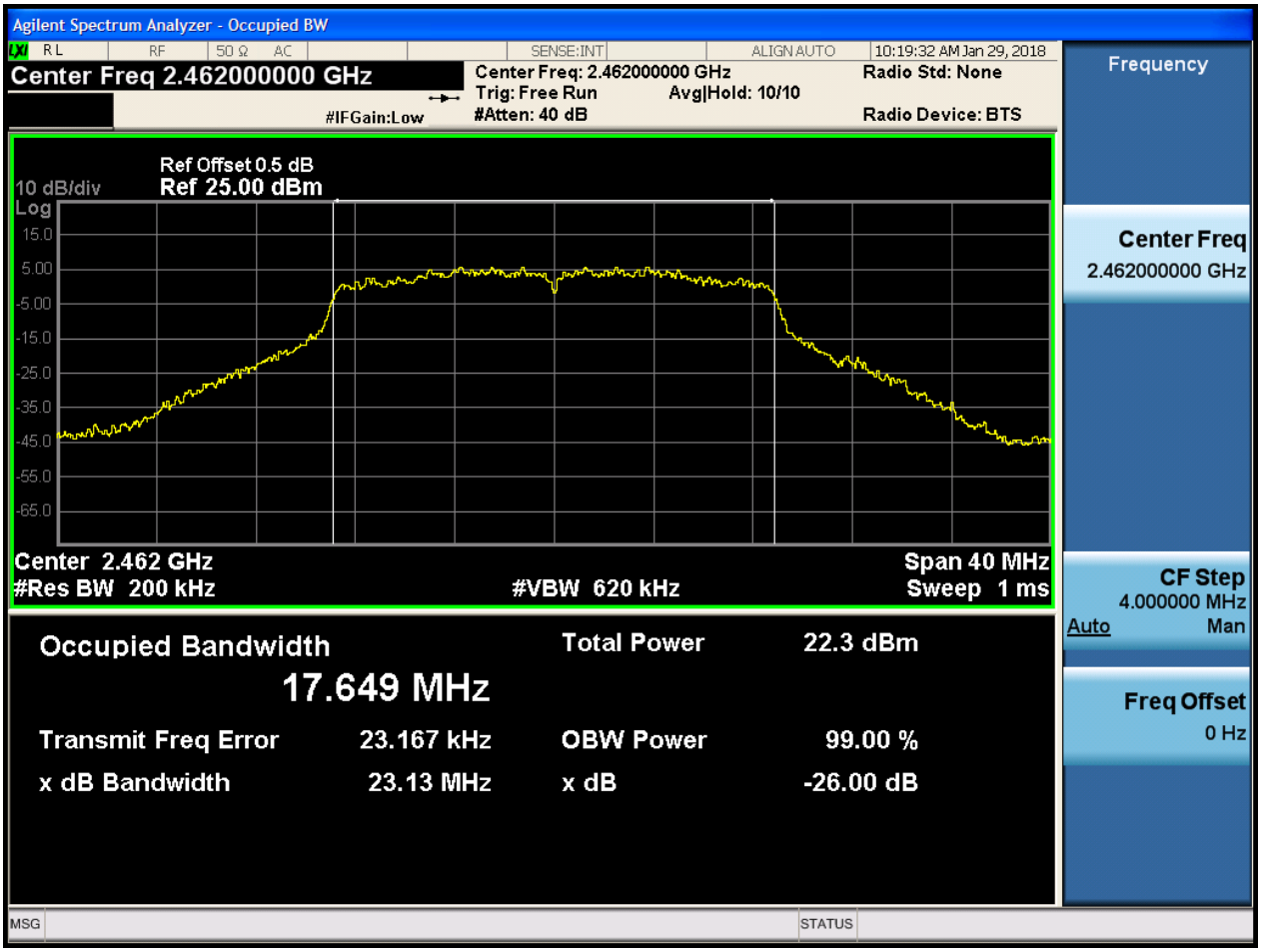
2.21 11N20_H_2452@Ant 1



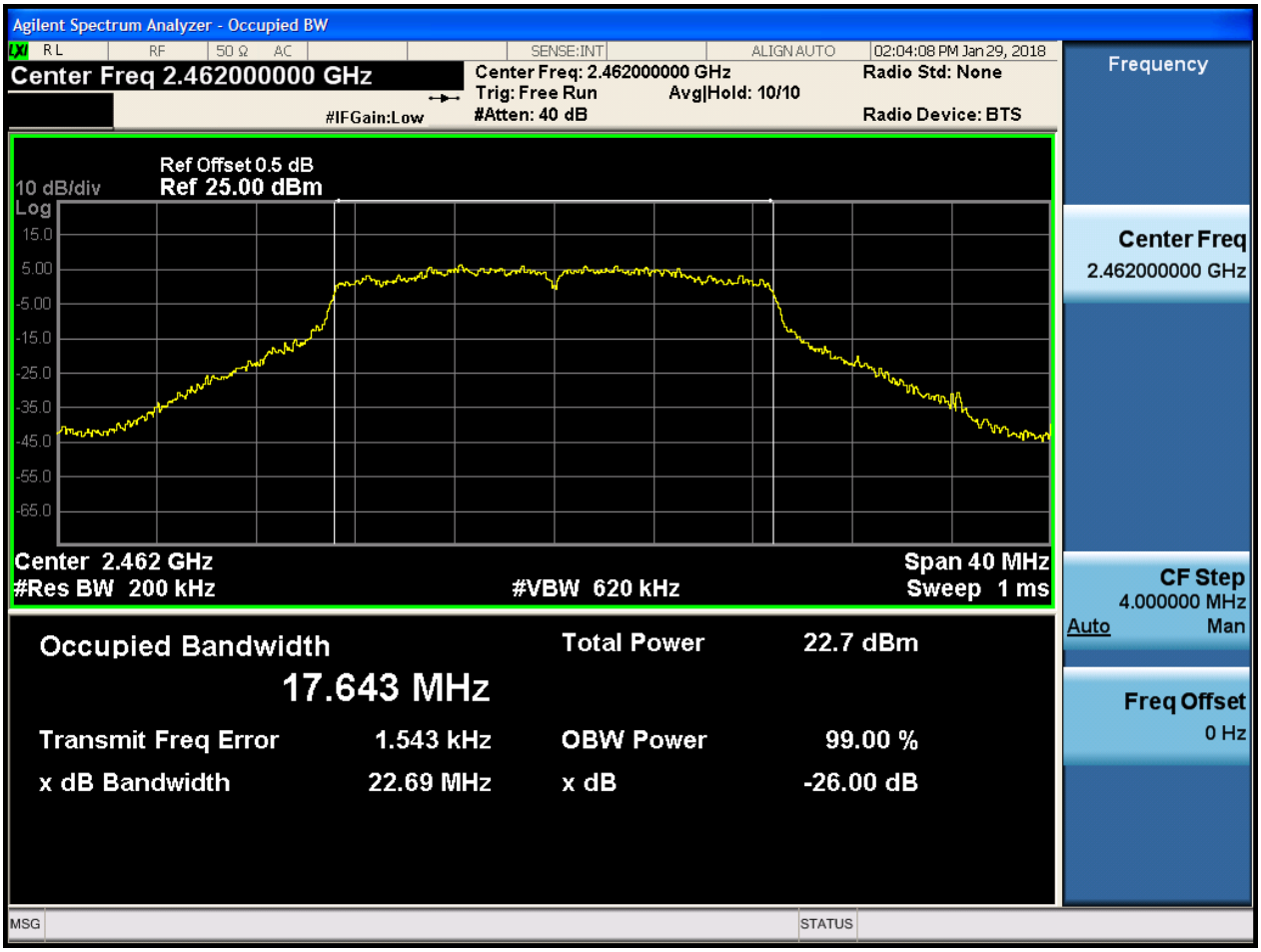
2.22 11N20_H_2452@Ant 2



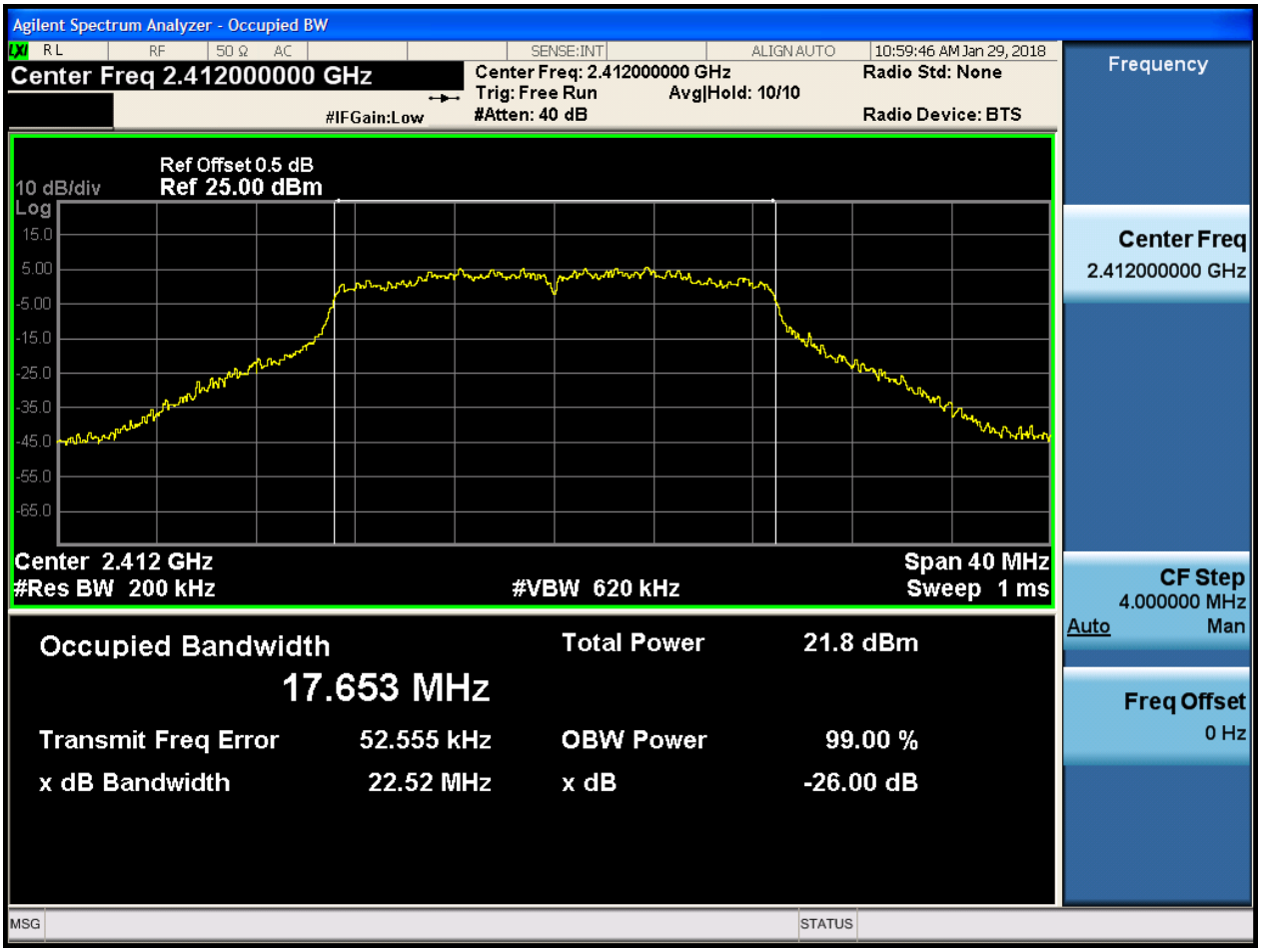
2.23 11N20_H_2462@Ant 1



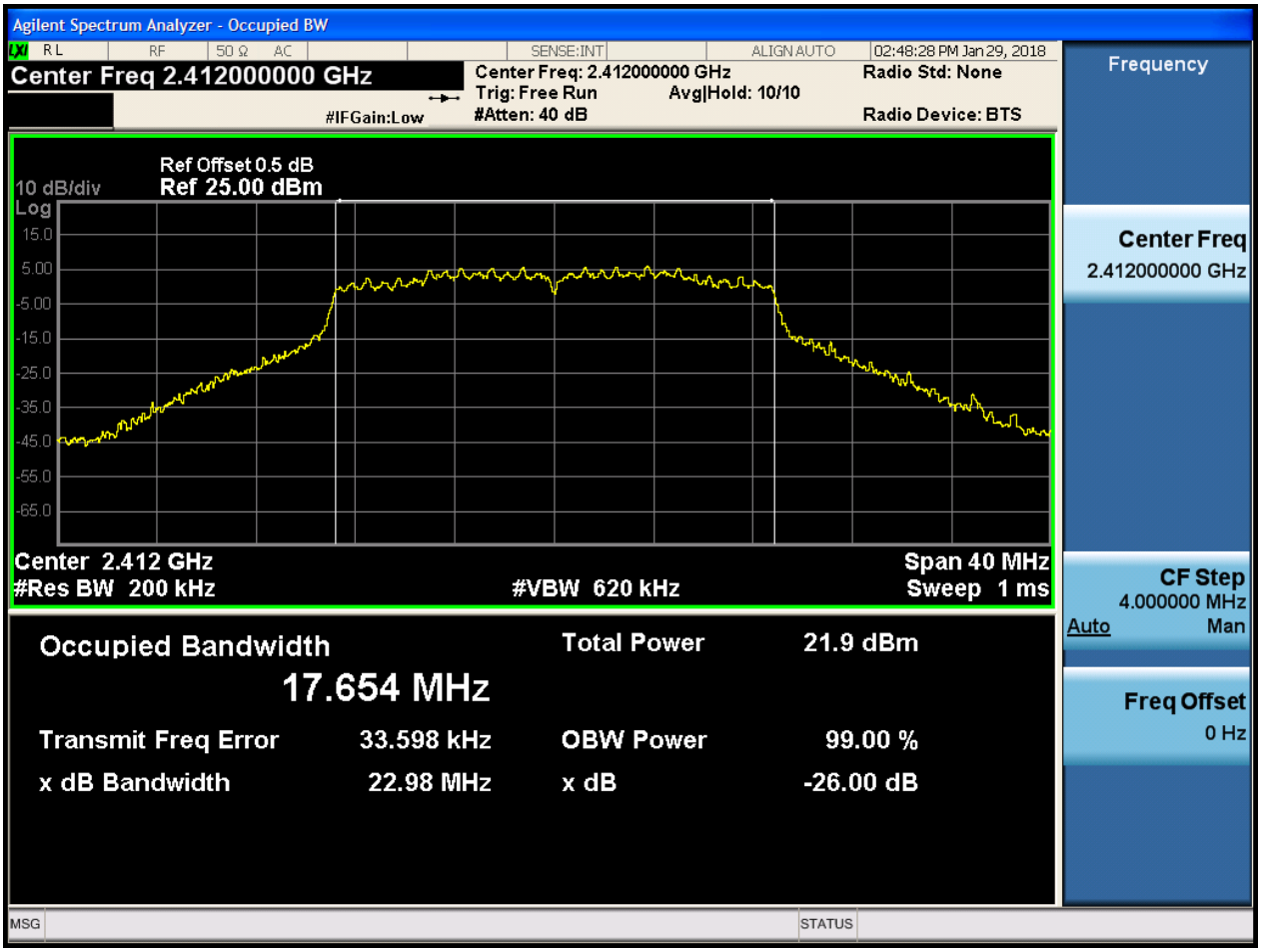
2.24 11N20_H_2462@Ant 2



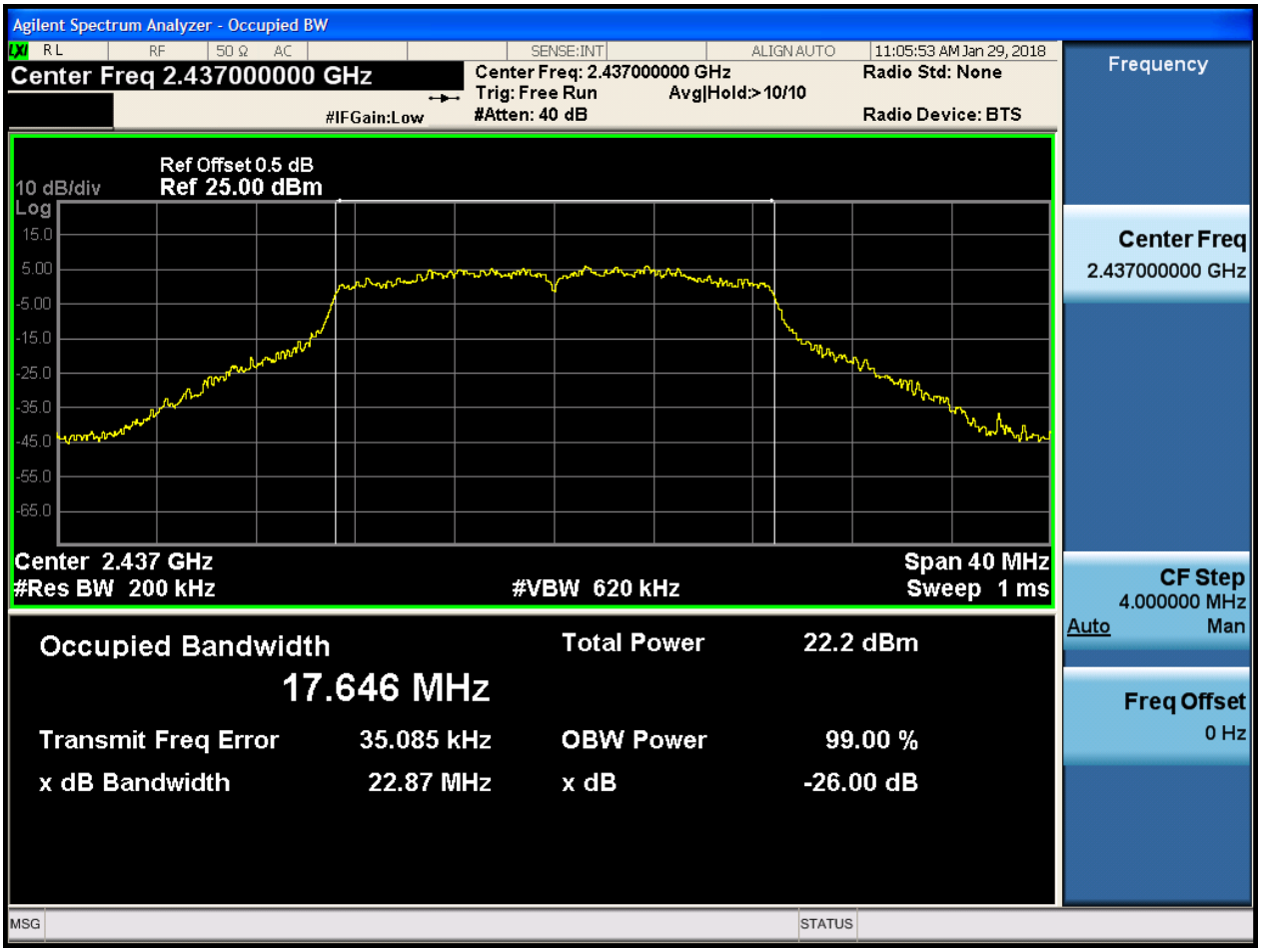
2.25 11N20m_L@Ant 1



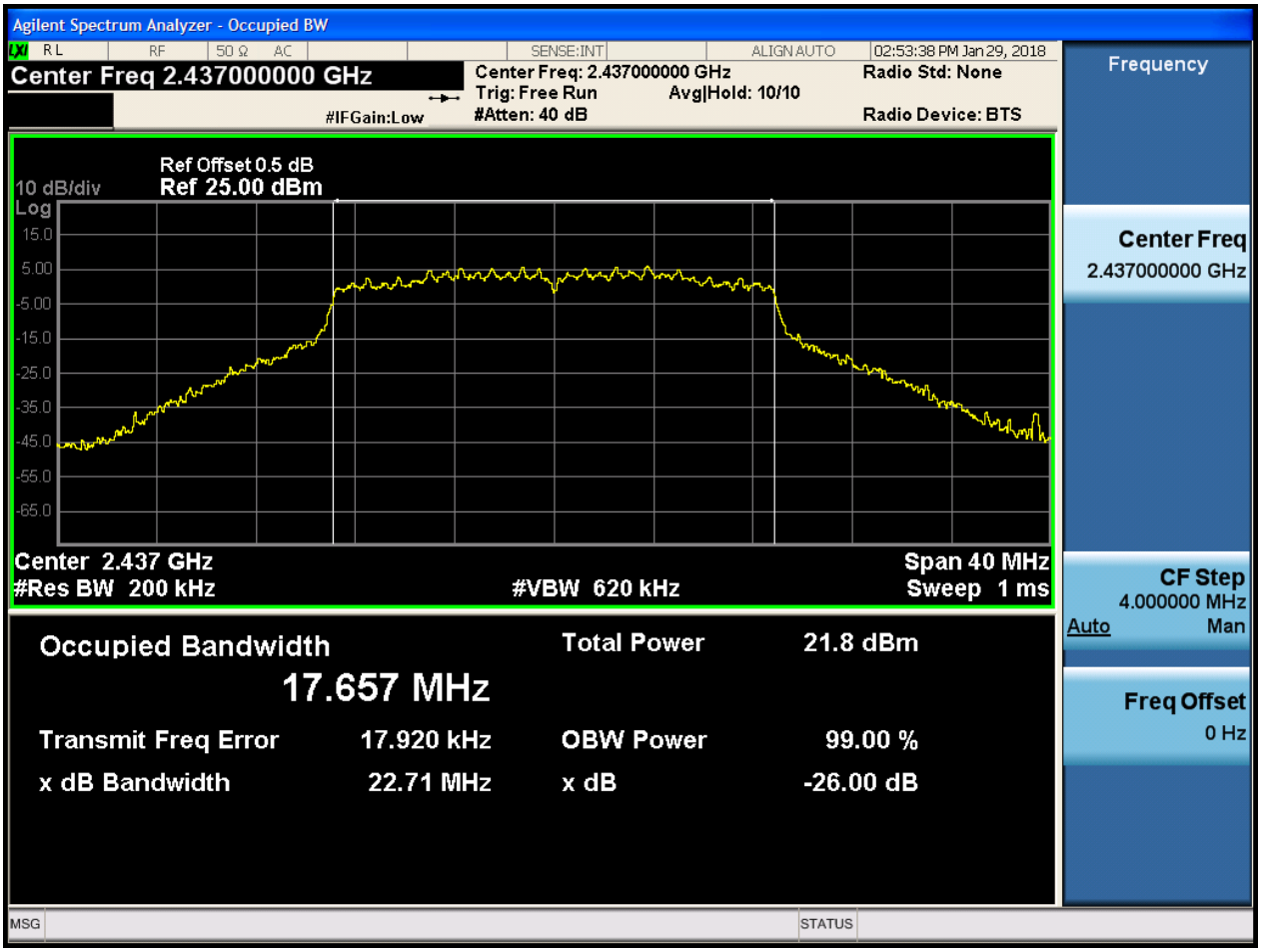
2.26 11N20m_L@Ant 2



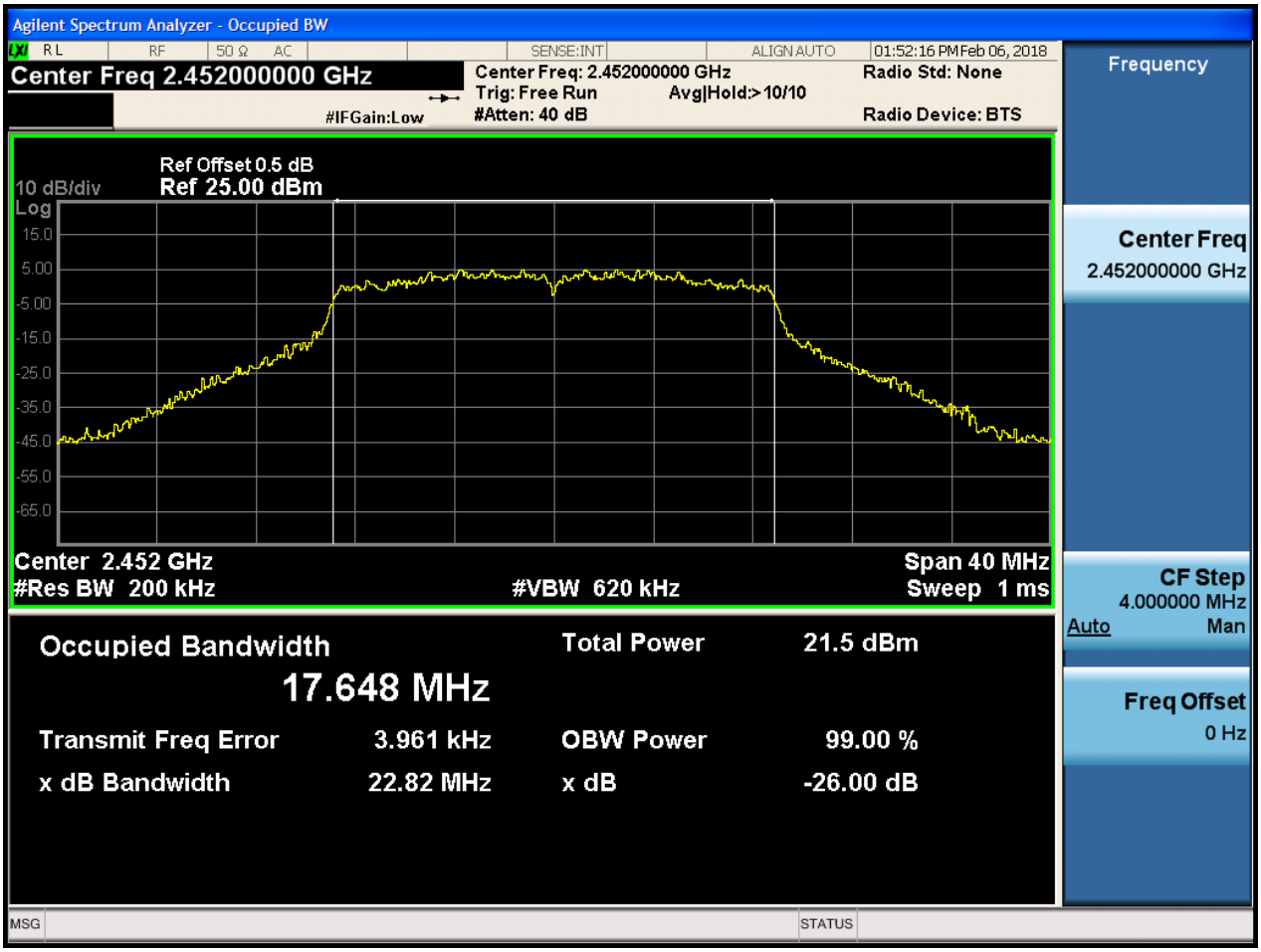
2.27 11N20m_M@Ant 1



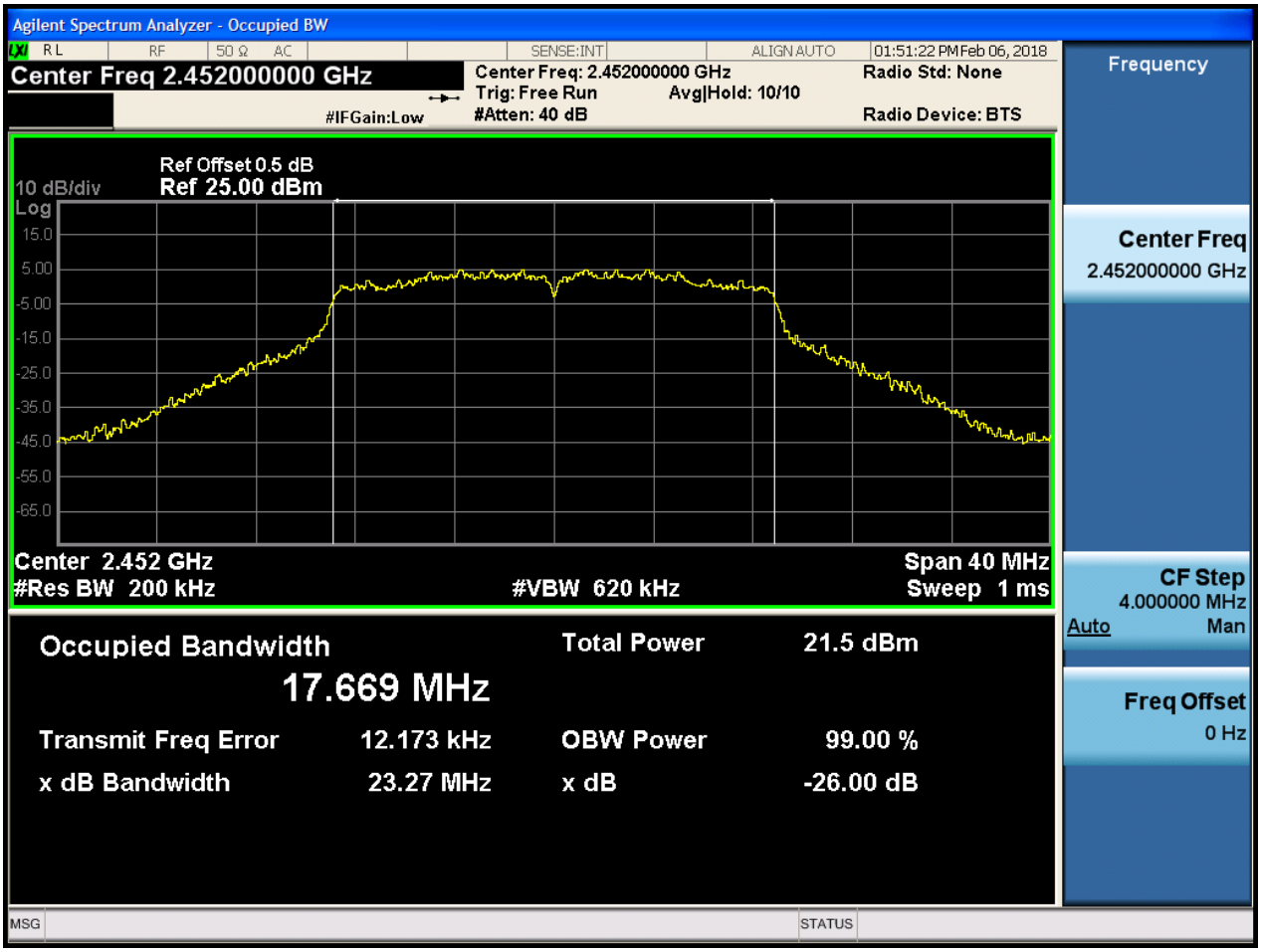
2.28 11N20m_M@Ant 2



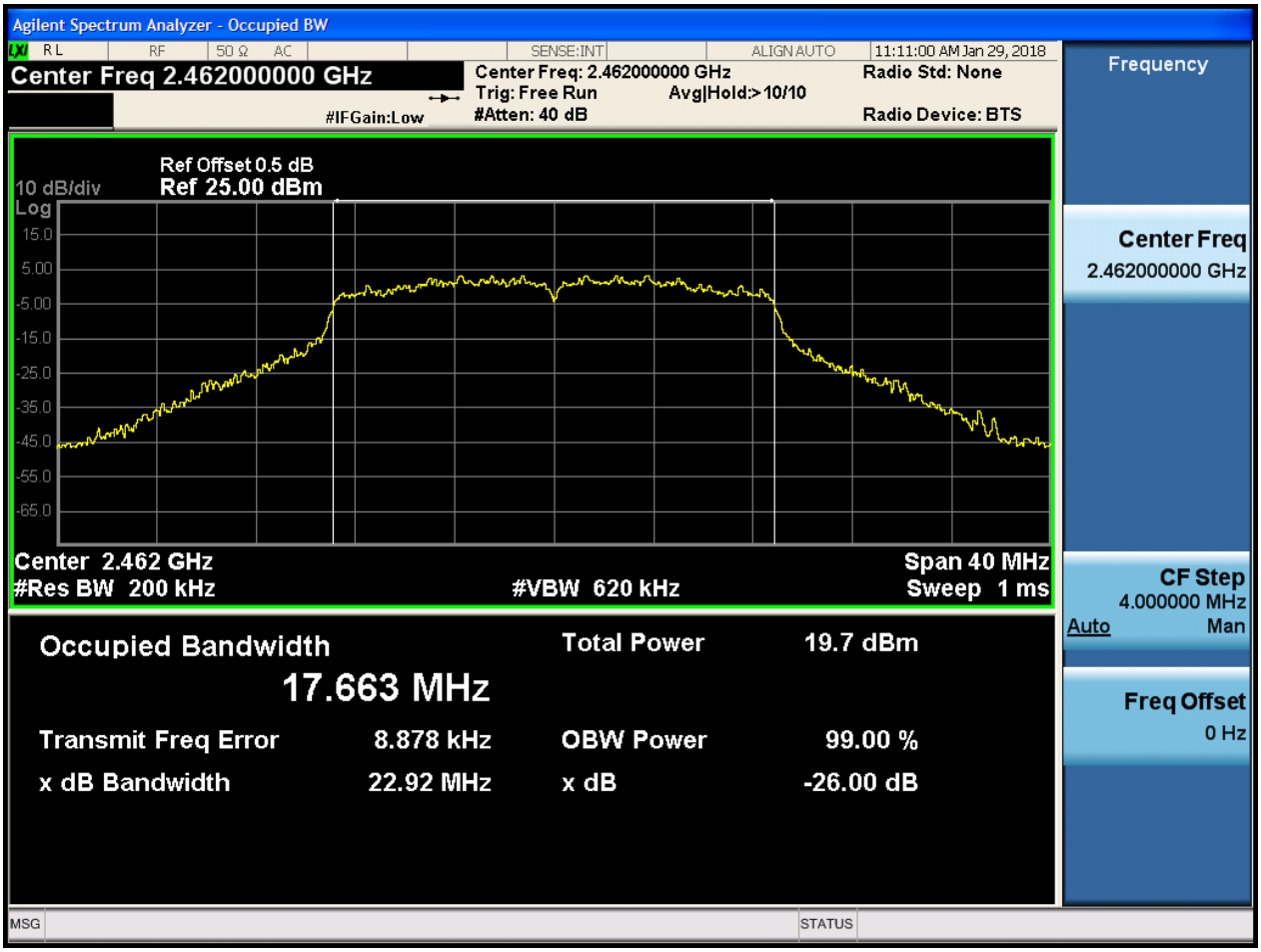
2.29 11N20m_H_2452@Ant 1



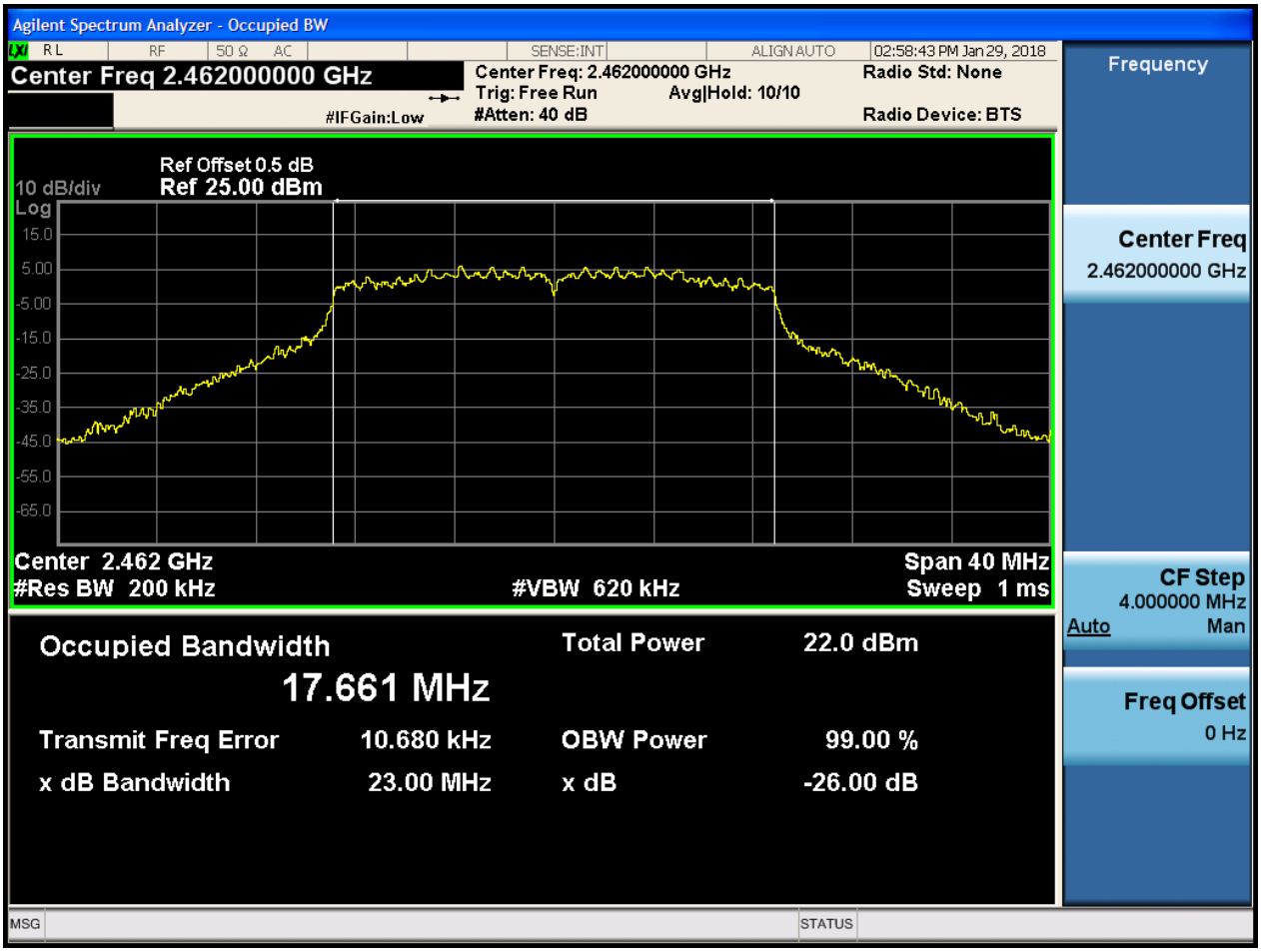
2.30 11N20m_H_2452@Ant 2



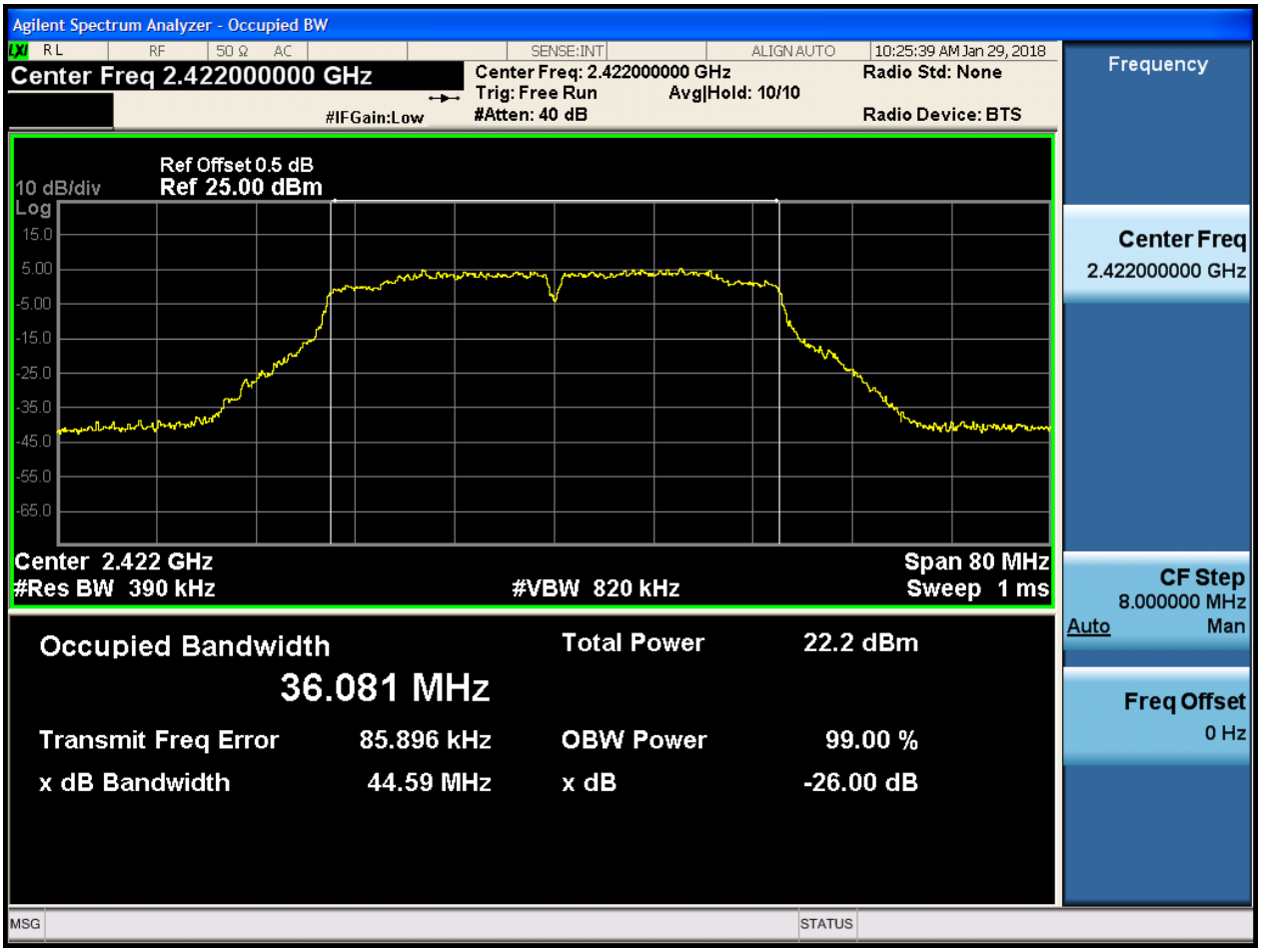
2.31 11N20m_H_2462@Ant 1



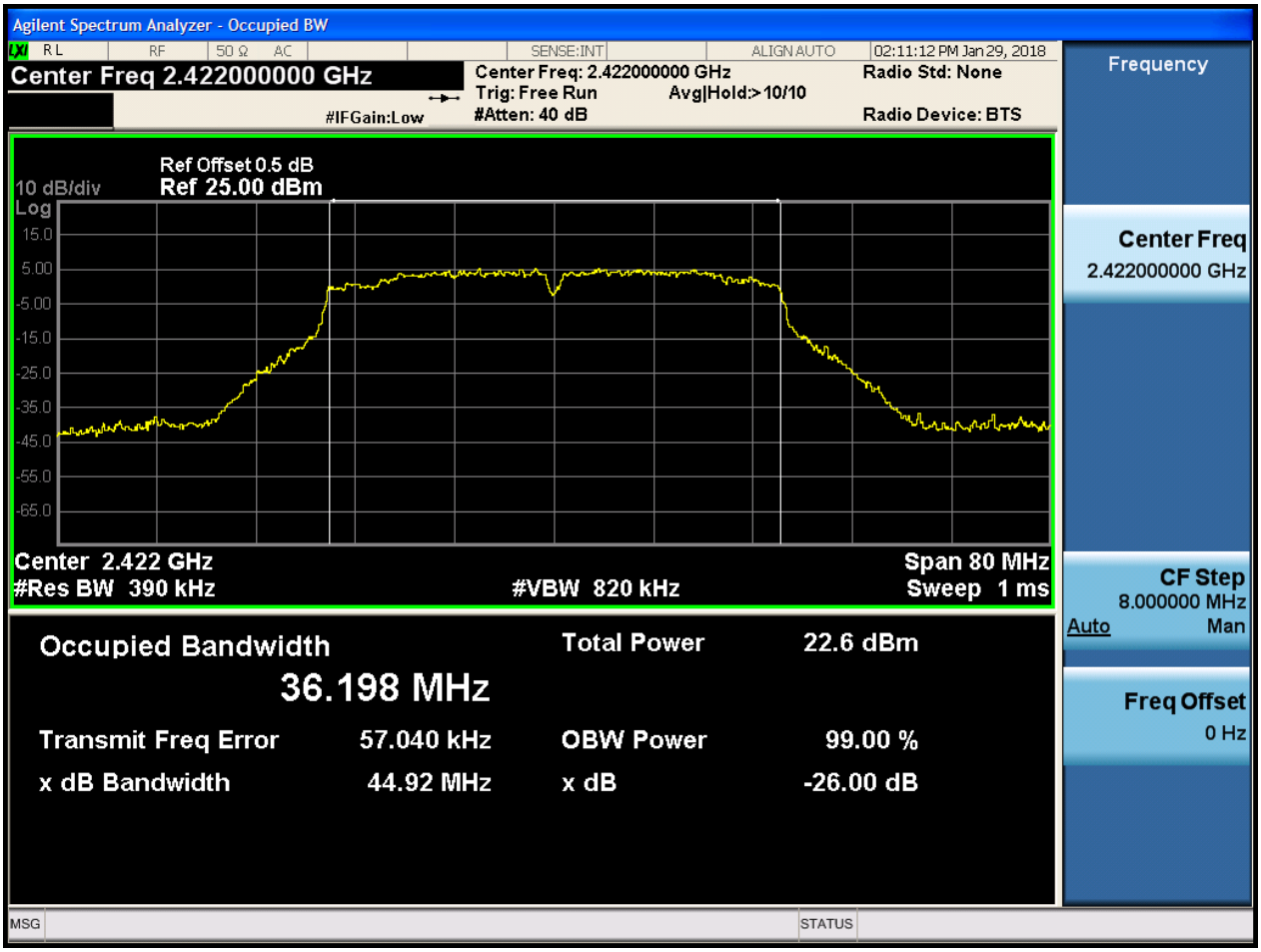
2.32 11N20m_H_2462@Ant 2



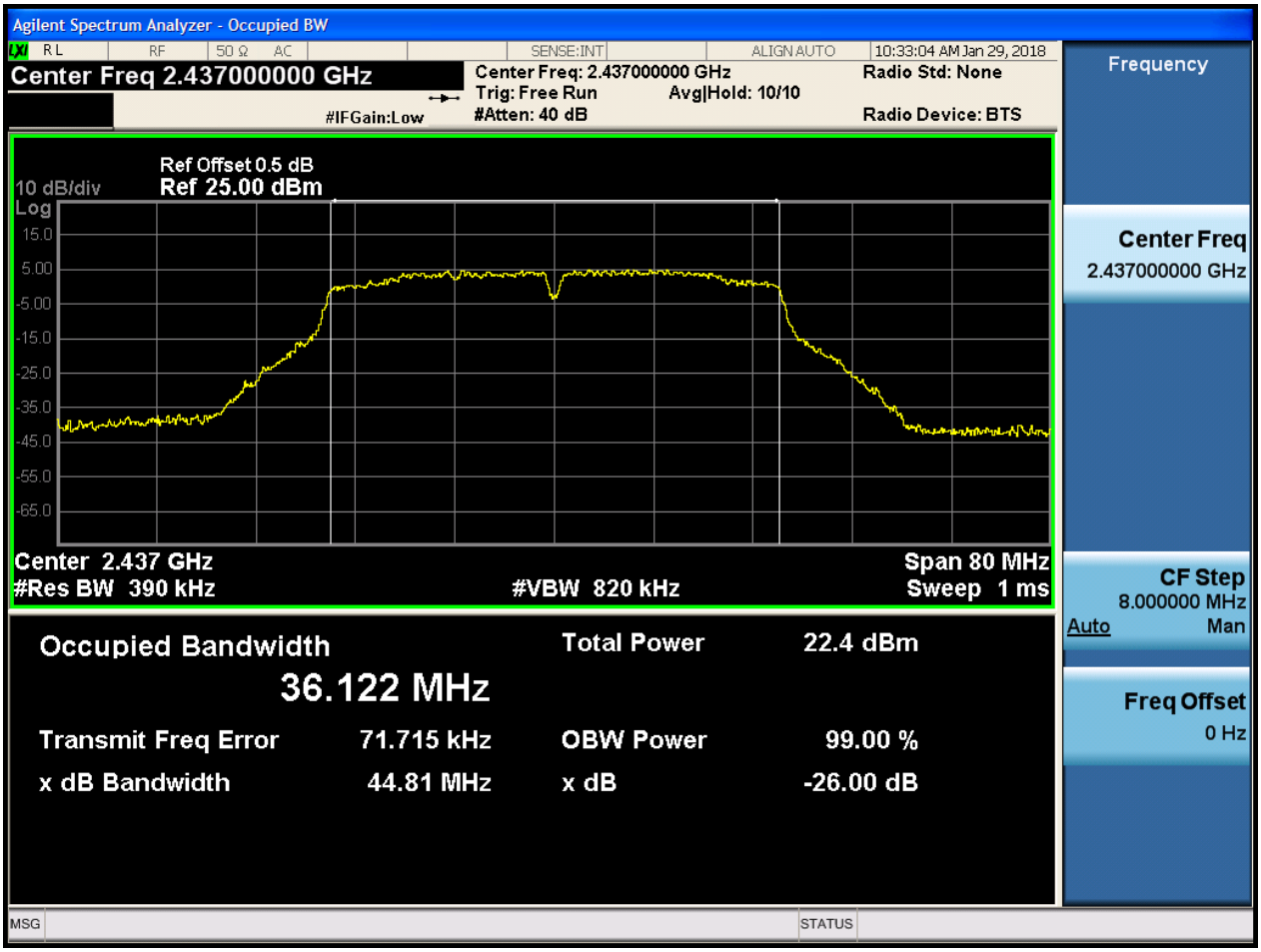
2.33 11N40_L@Ant 1



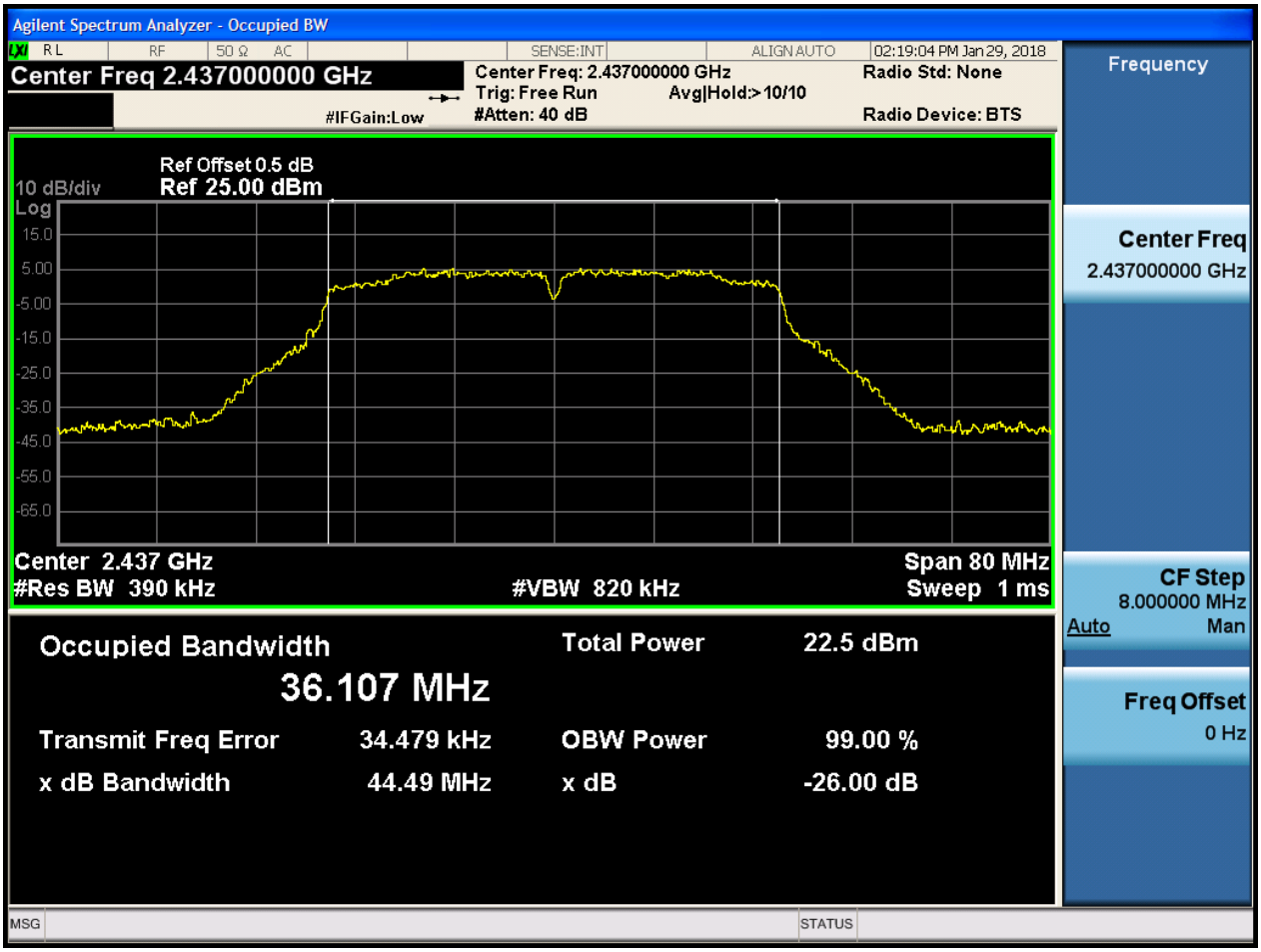
2.34 11N40_L@Ant 2



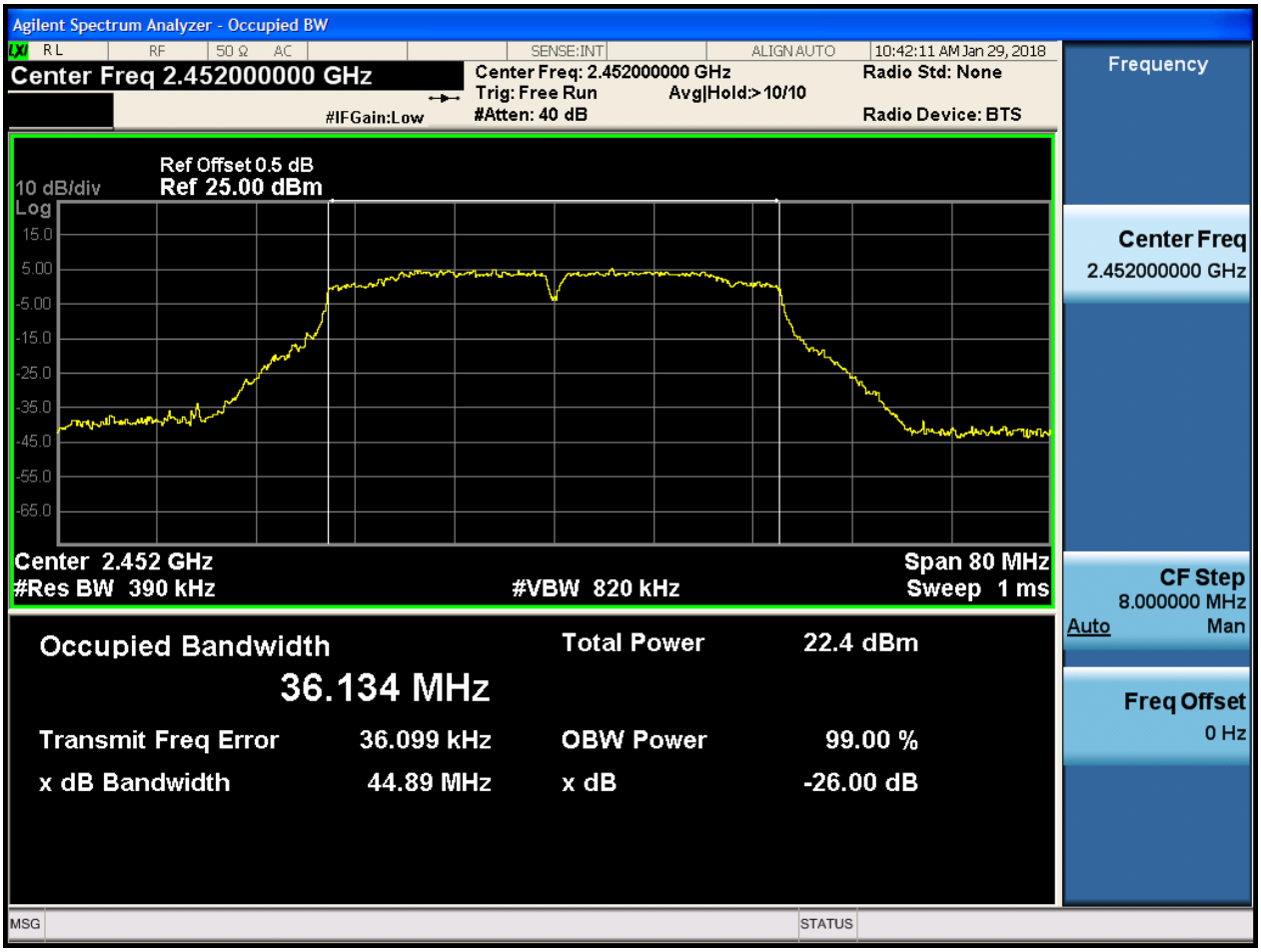
2.35 11N40_M@Ant 1



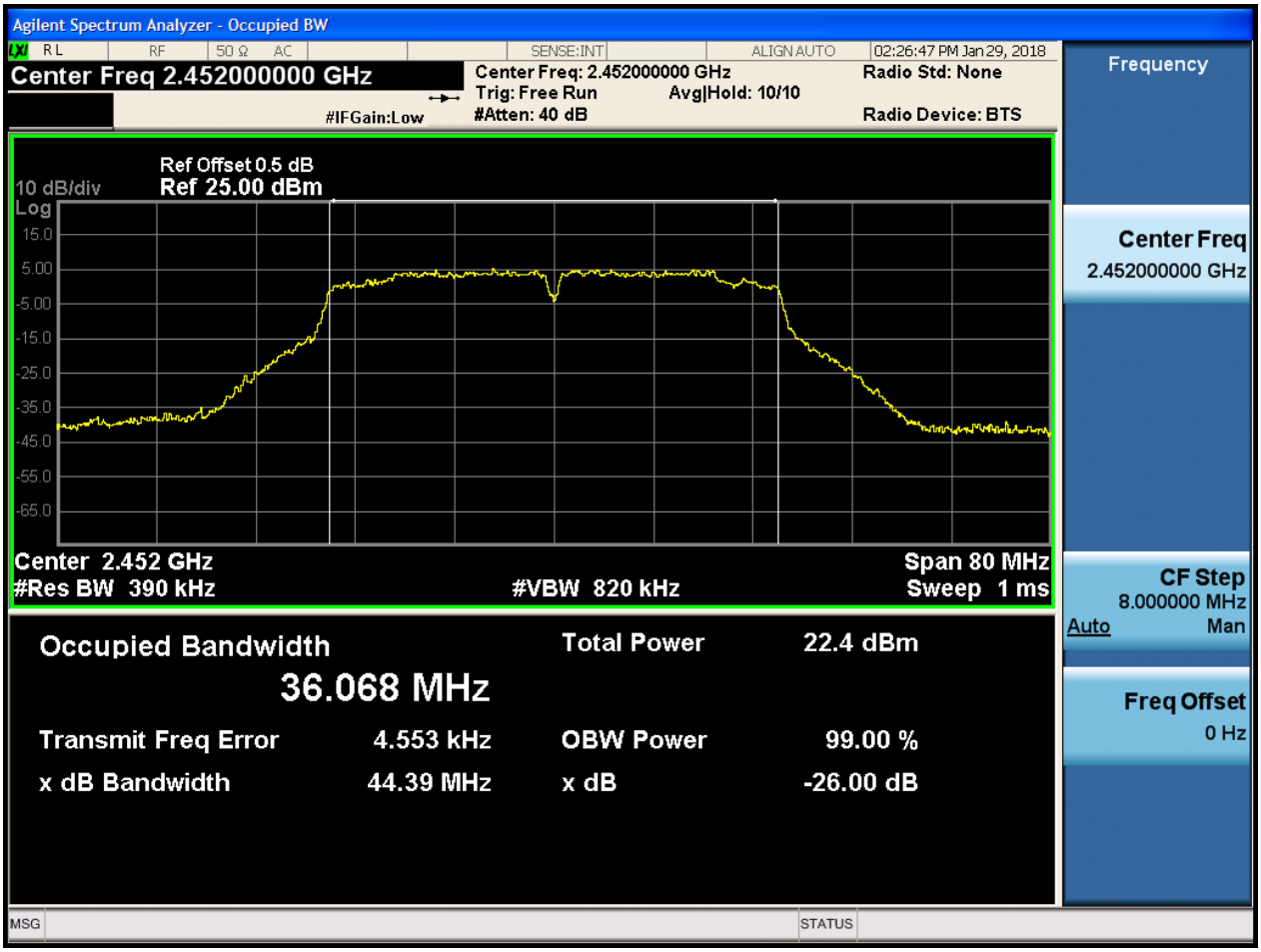
2.36 11N40_M@Ant 2



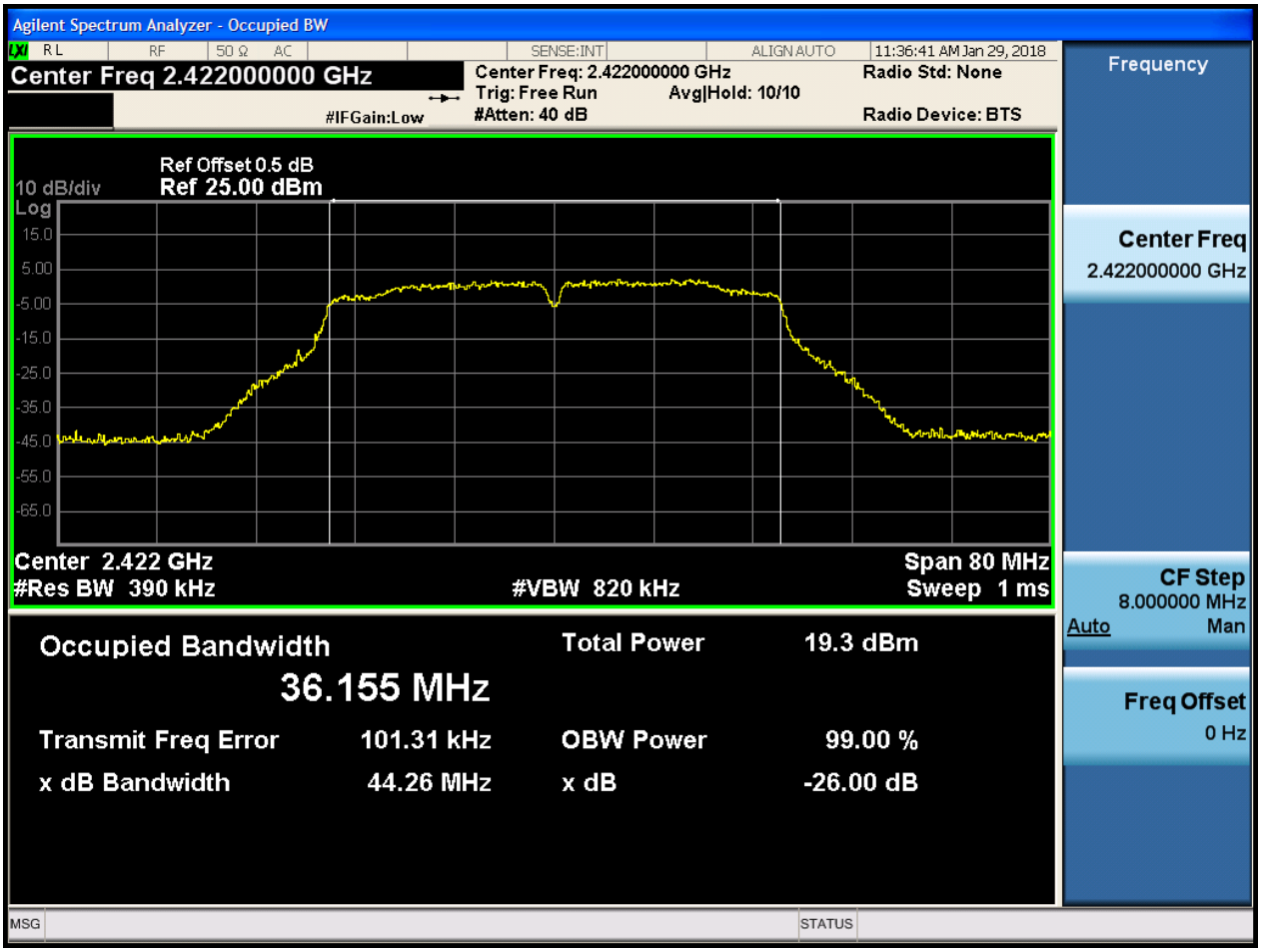
2.37 11N40_H@Ant 1



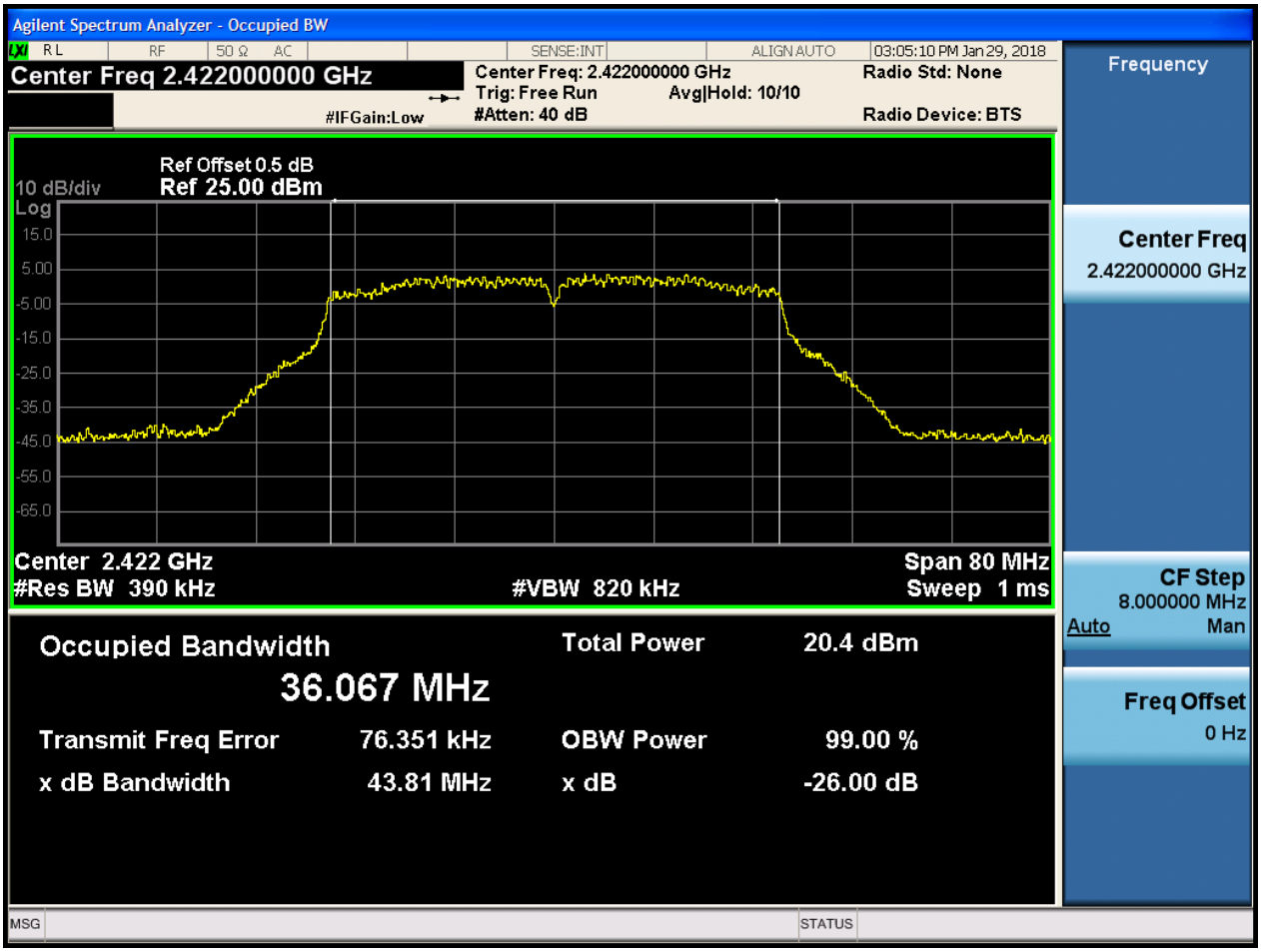
2.38 11N40_H@Ant 2



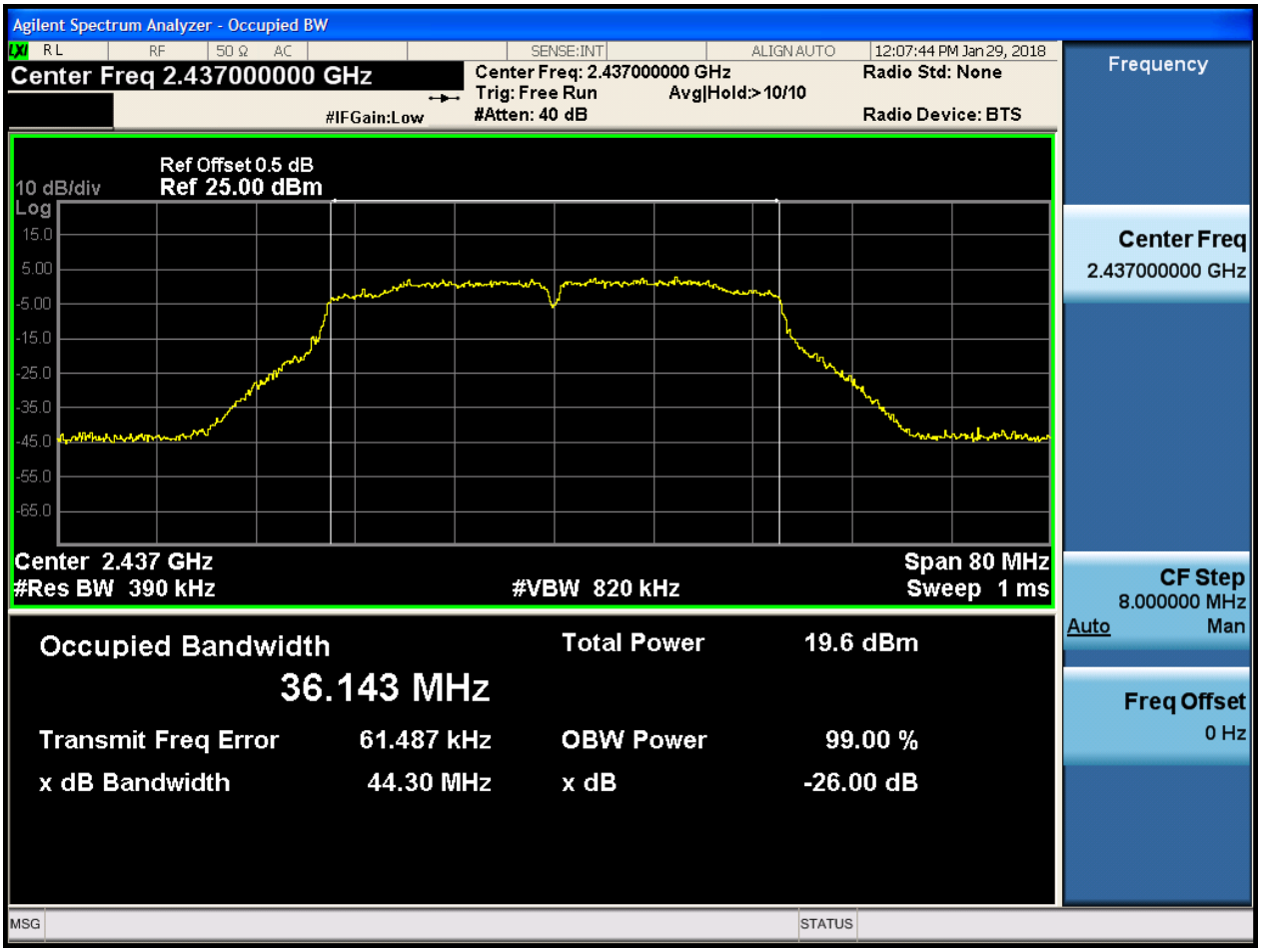
2.39 11N40m_L@Ant 1



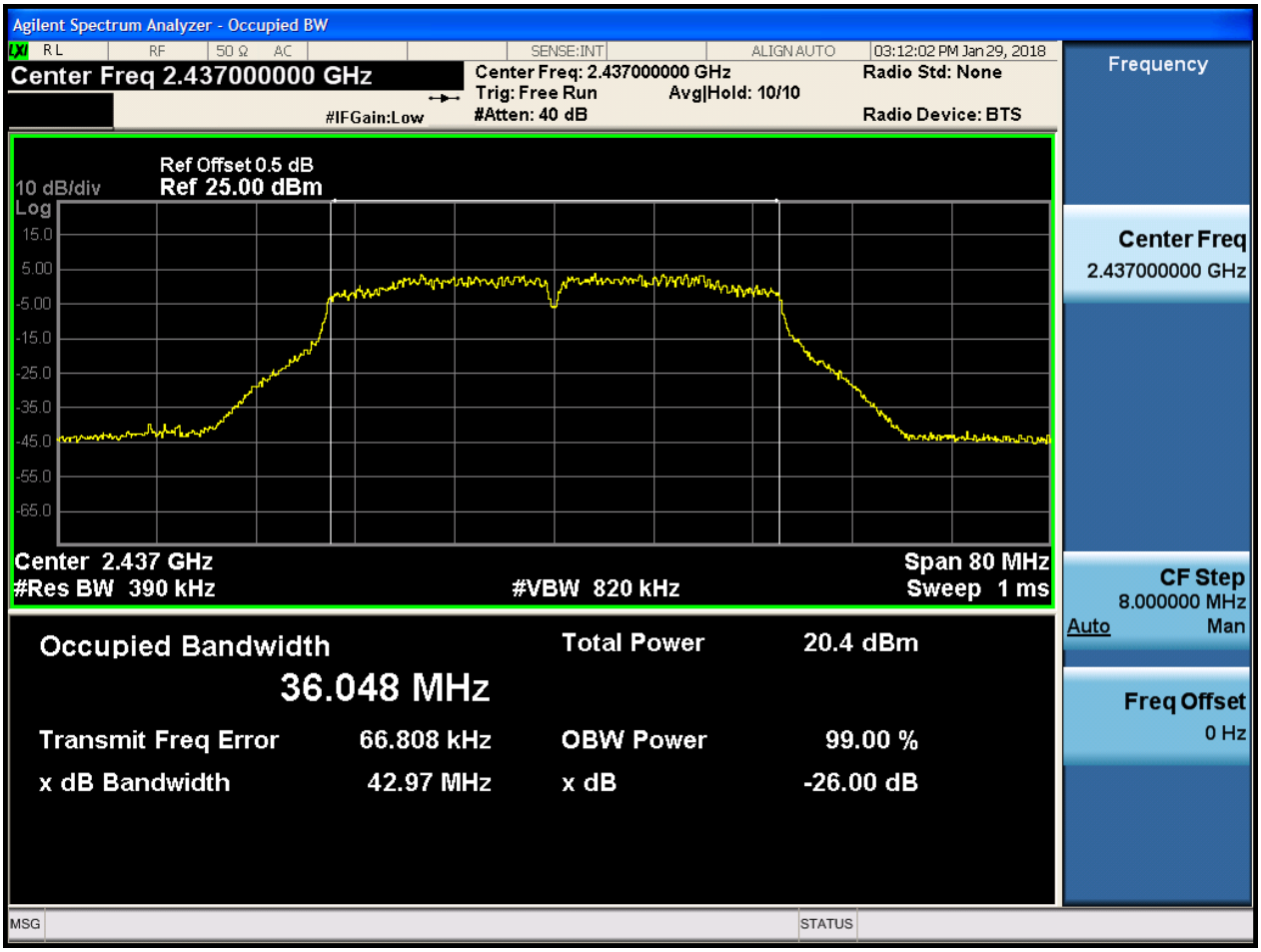
2.40 11N40m_L@Ant 2



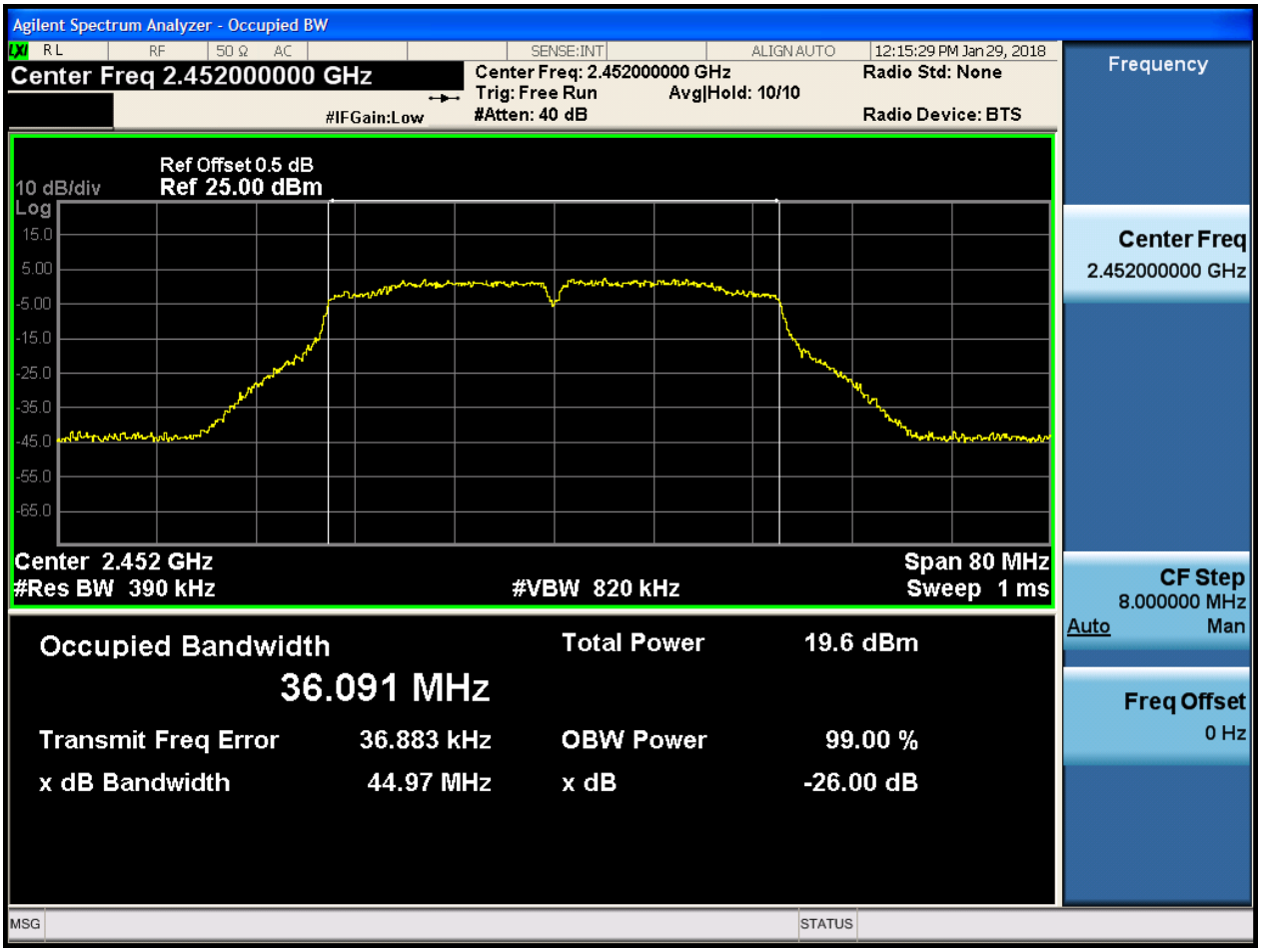
2.41 11N40m_M@Ant 1



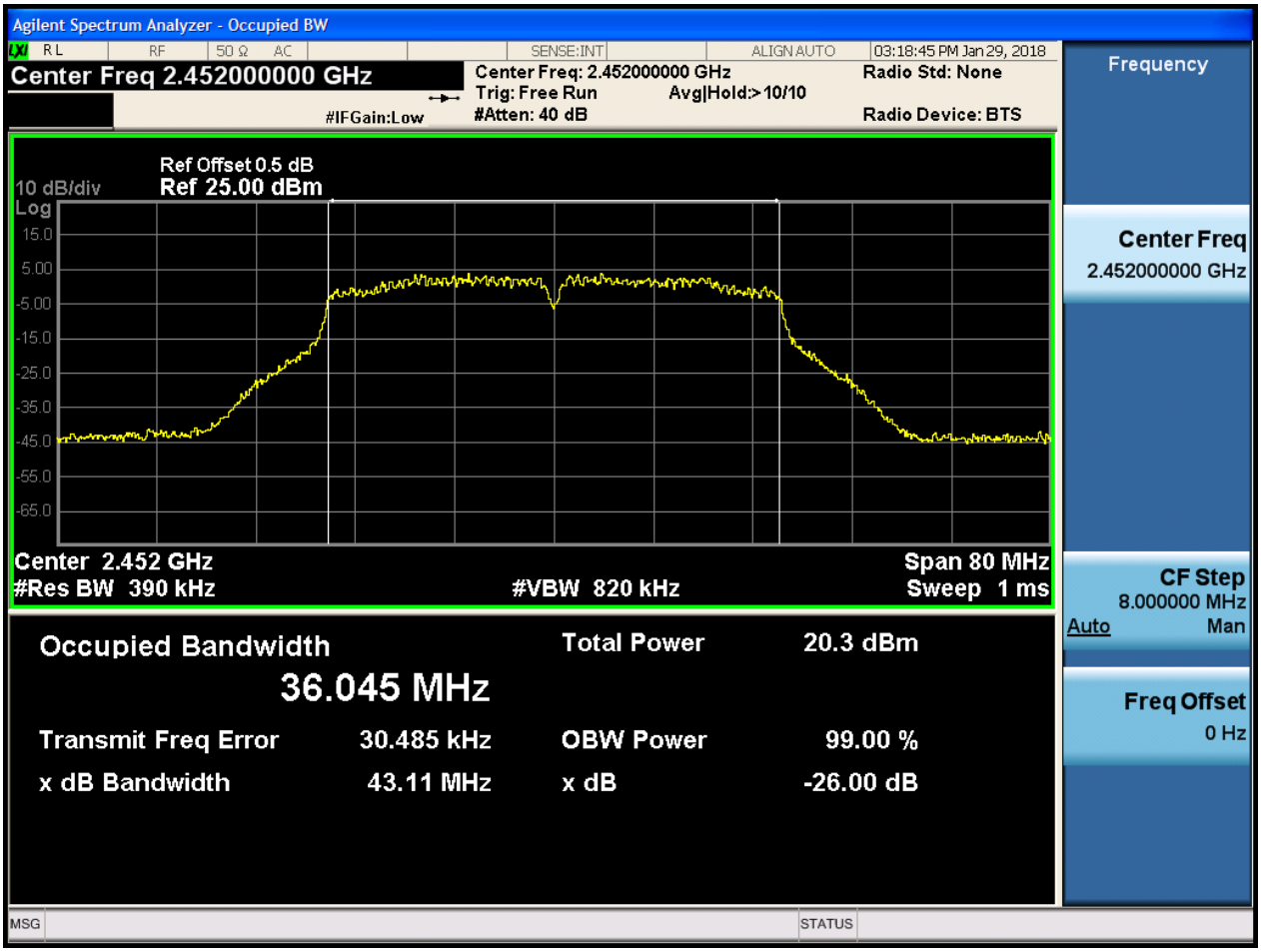
2.42 11N40m_M@Ant 2



2.43 11N40m_H@Ant 1



2.44 11N40m_H@Ant 2



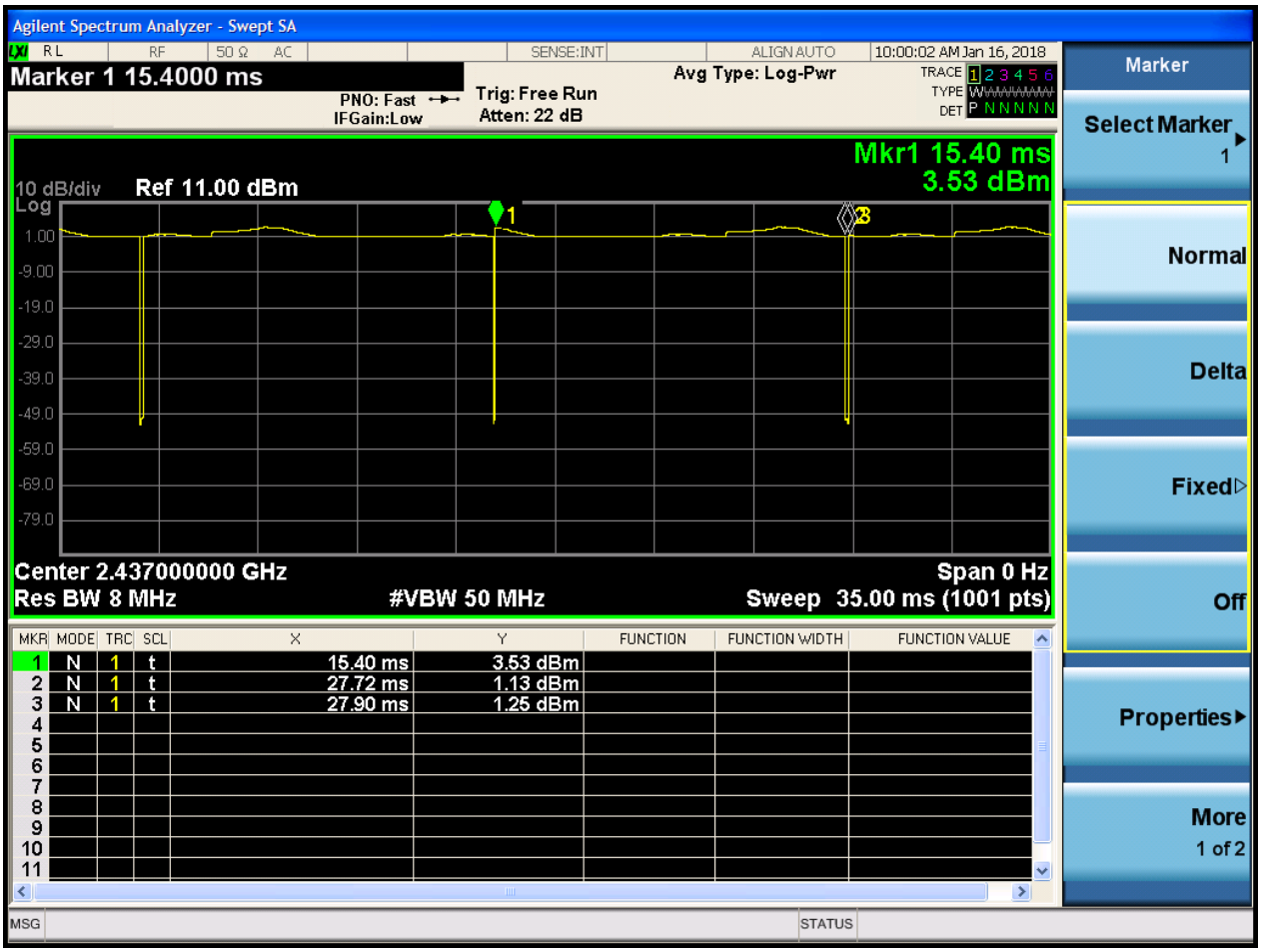
Appendix C: Duty Cycle

Part I - Test Results

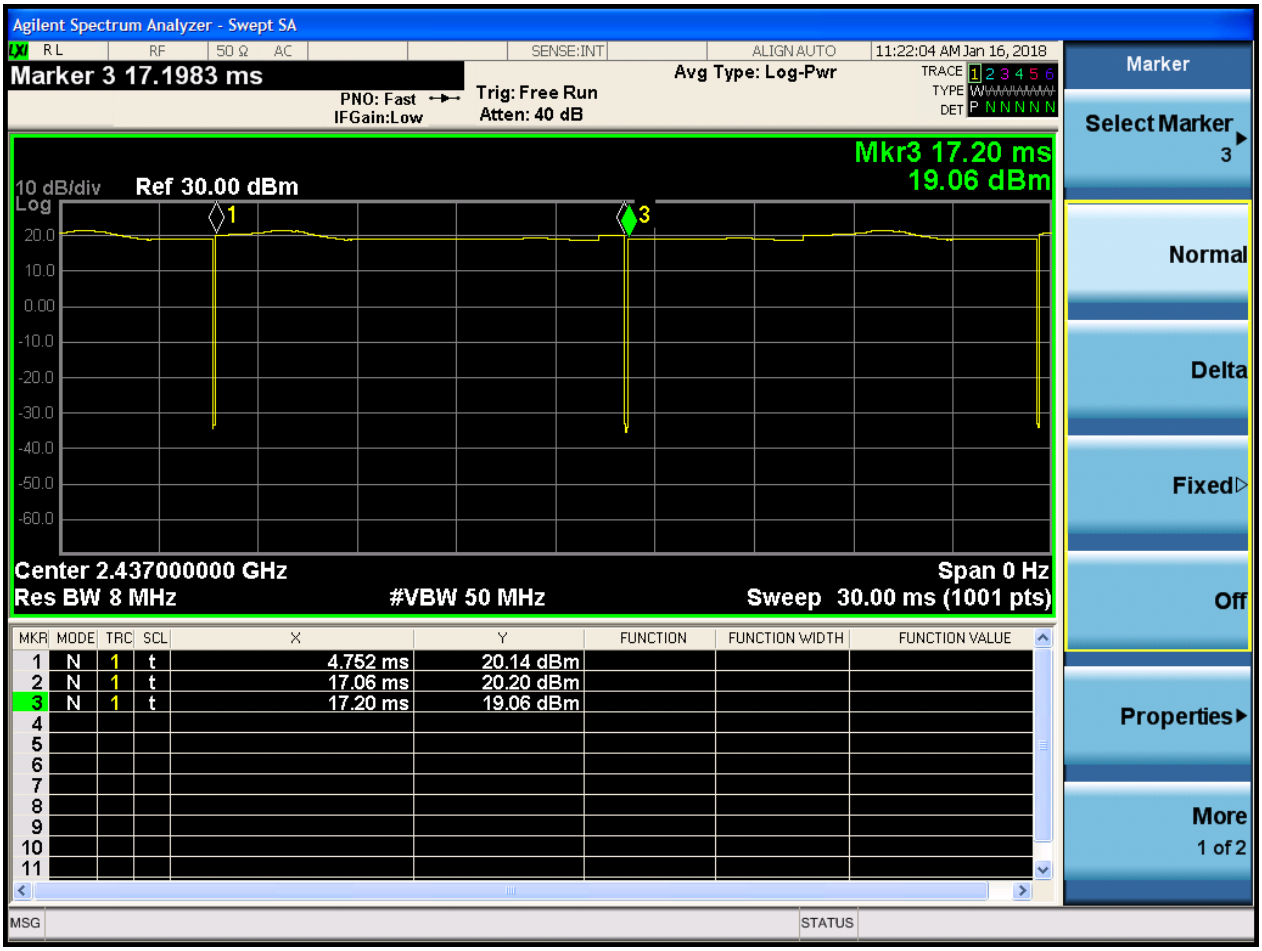
Test Mode	TX Freq. [MHz]	Ant	Duty cycle [%]
11B	CH1,CH6 ,CH10,CH11	Ant 1	98
11B	CH1,CH6,CH10,CH11	Ant 2	99
11G	CH1,CH6, CH10,CH11	Ant 1	95
11G	CH1,CH6, CH10,CH11	Ant 2	95
11N20SISO	CH1,CH6, CH10,CH11	Ant 1	95
11N20SISO	CH1,CH6, CH10,CH11	Ant 2	96
11N20MIMO	CH1,CH6, CH10,CH11	Ant 1	84
11N20MIMO	CH1,CH6, CH10,CH11	Ant 2	84
11N40SISO	CH3,CH6,CH9	Ant 1	84
11N40SISO	CH3,CH6,CH9	Ant 2	84
11N40MIMO	CH3,CH6,CH9	Ant 1	84
11N40MIMO	CH3,CH6,CH9	Ant 2	83

Part II - Test Plots

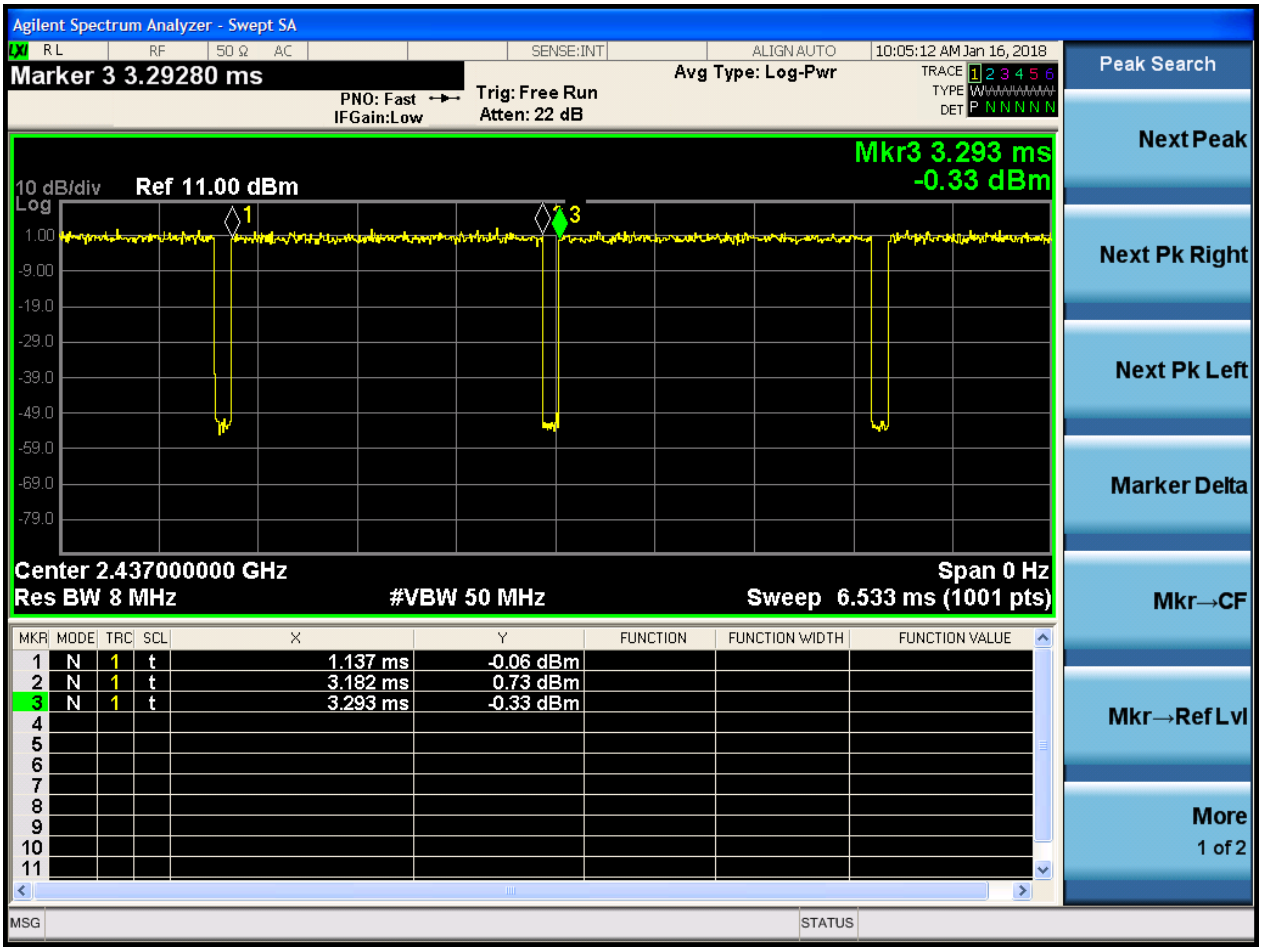
11B_@Ant1



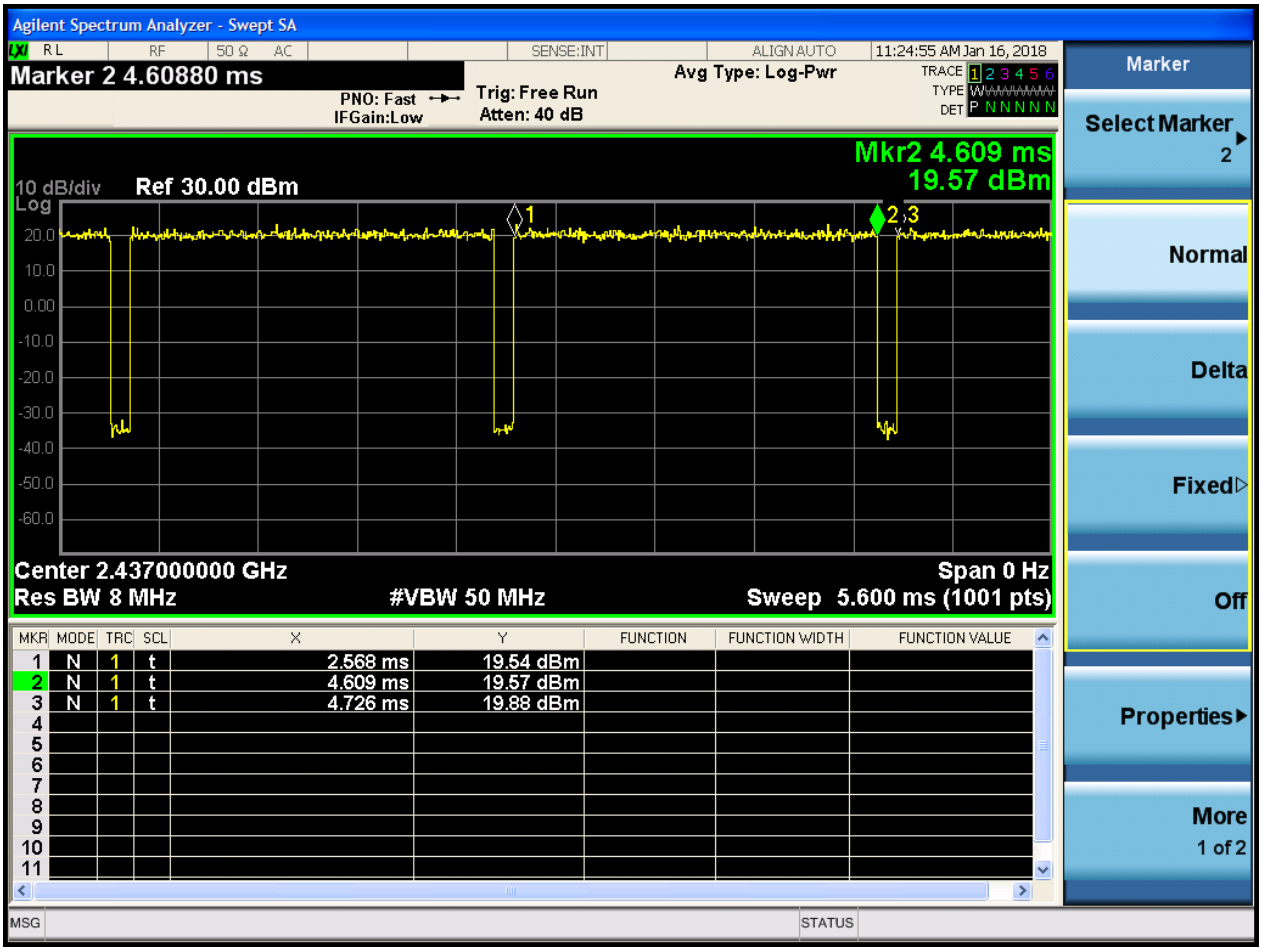
11B_@Ant2



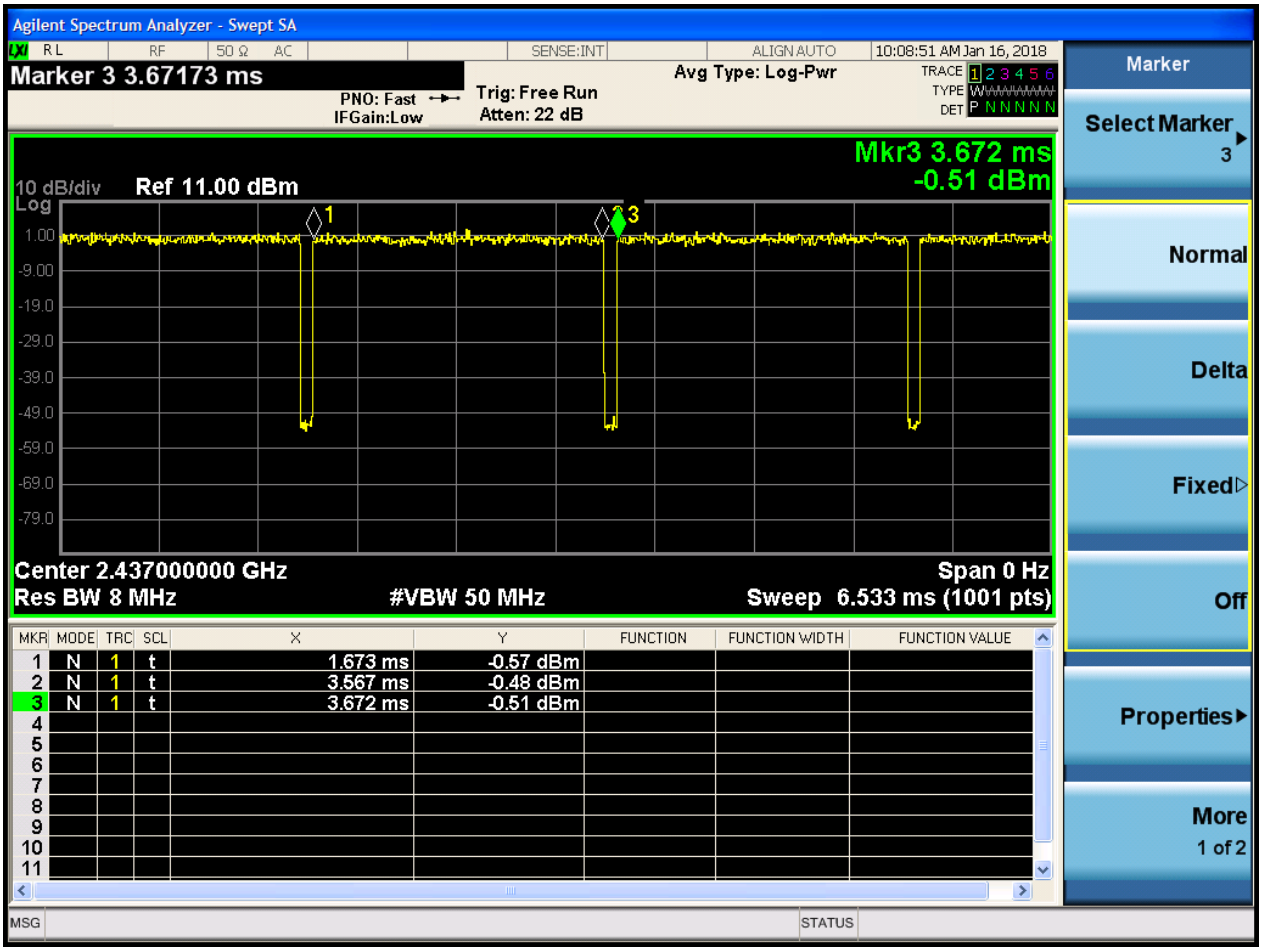
11G_@Ant1



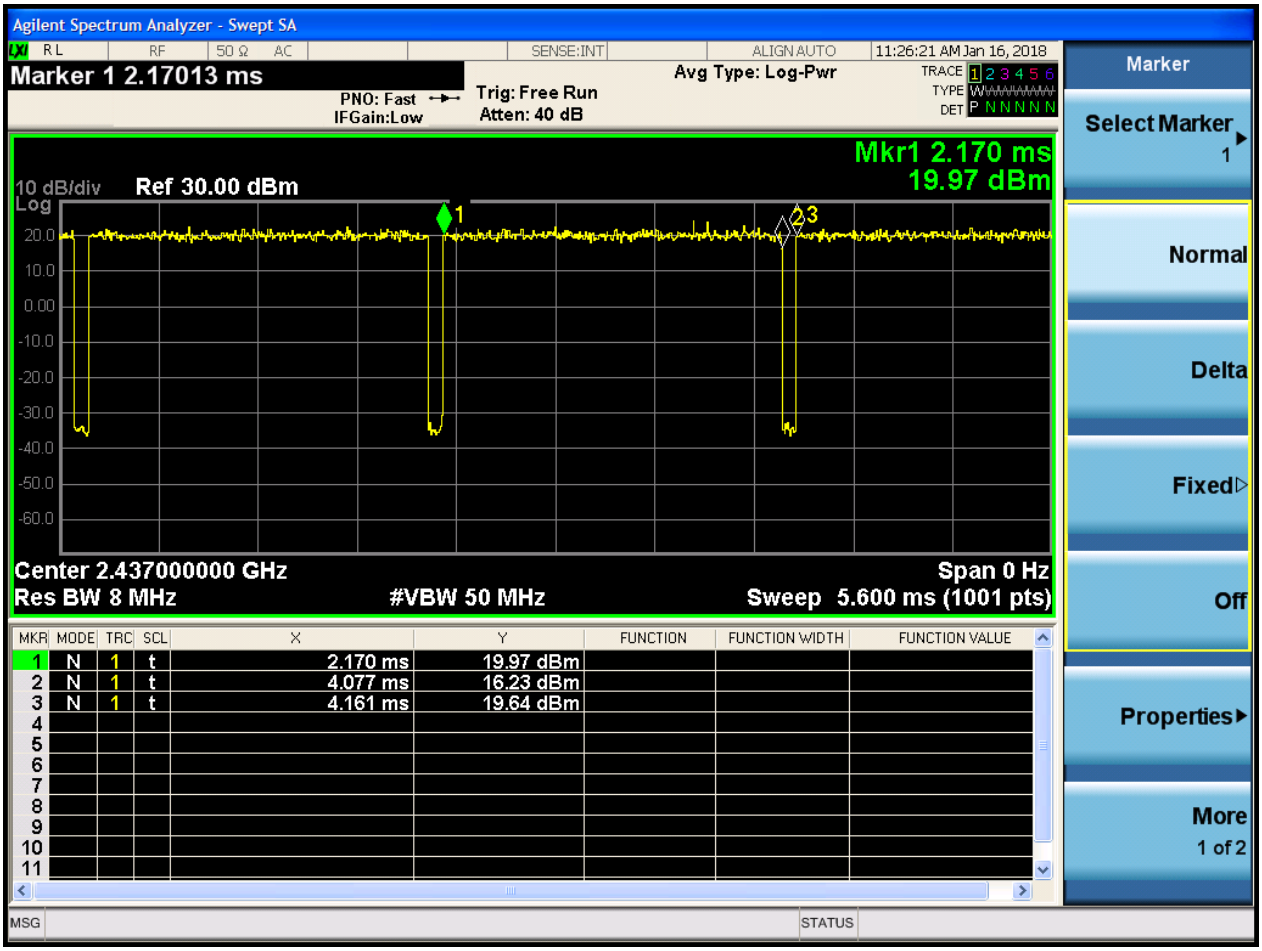
11G_@Ant2



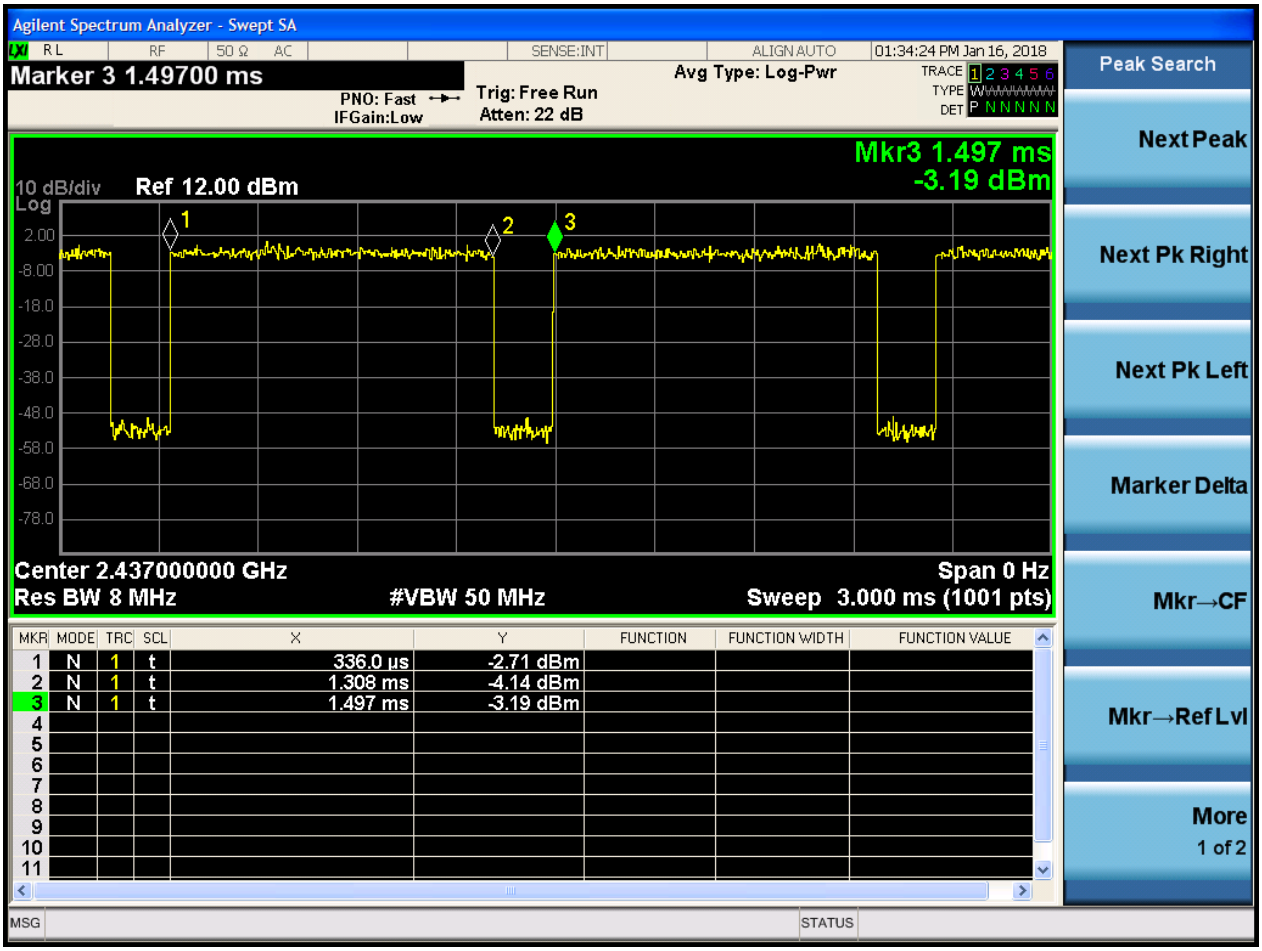
11N20SISO_@Ant1



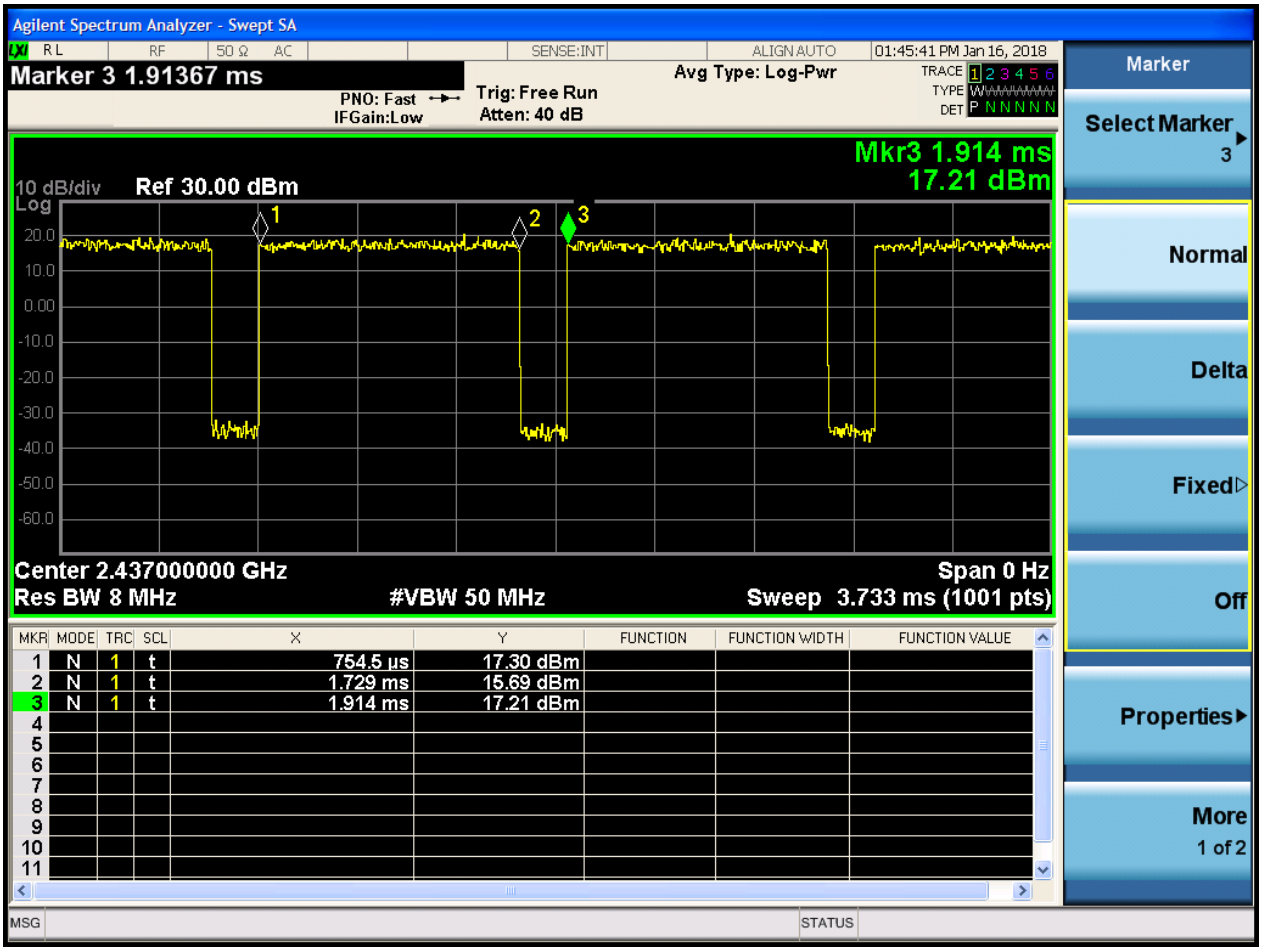
11N20SISO_@Ant2



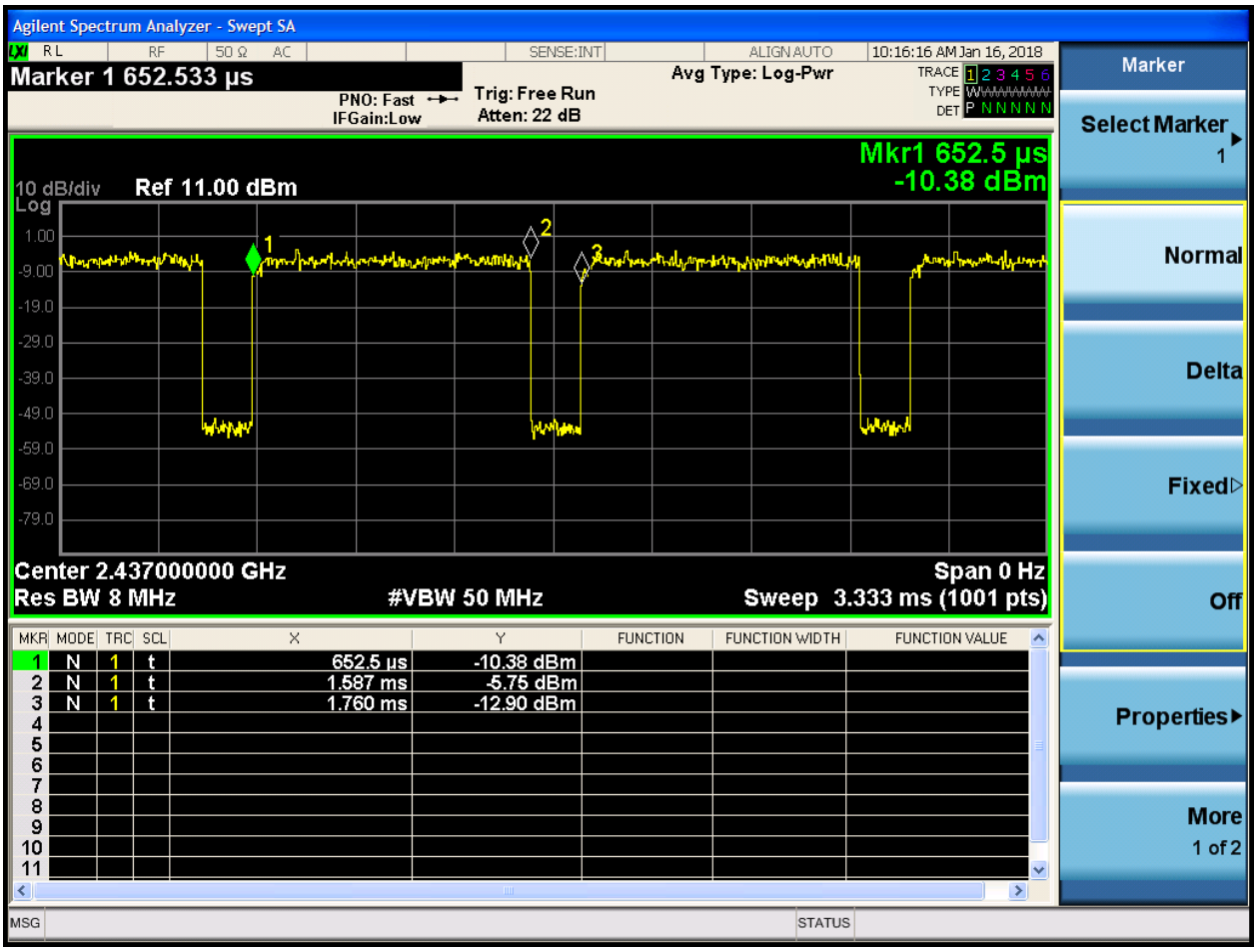
11N20MIMO_@Ant1



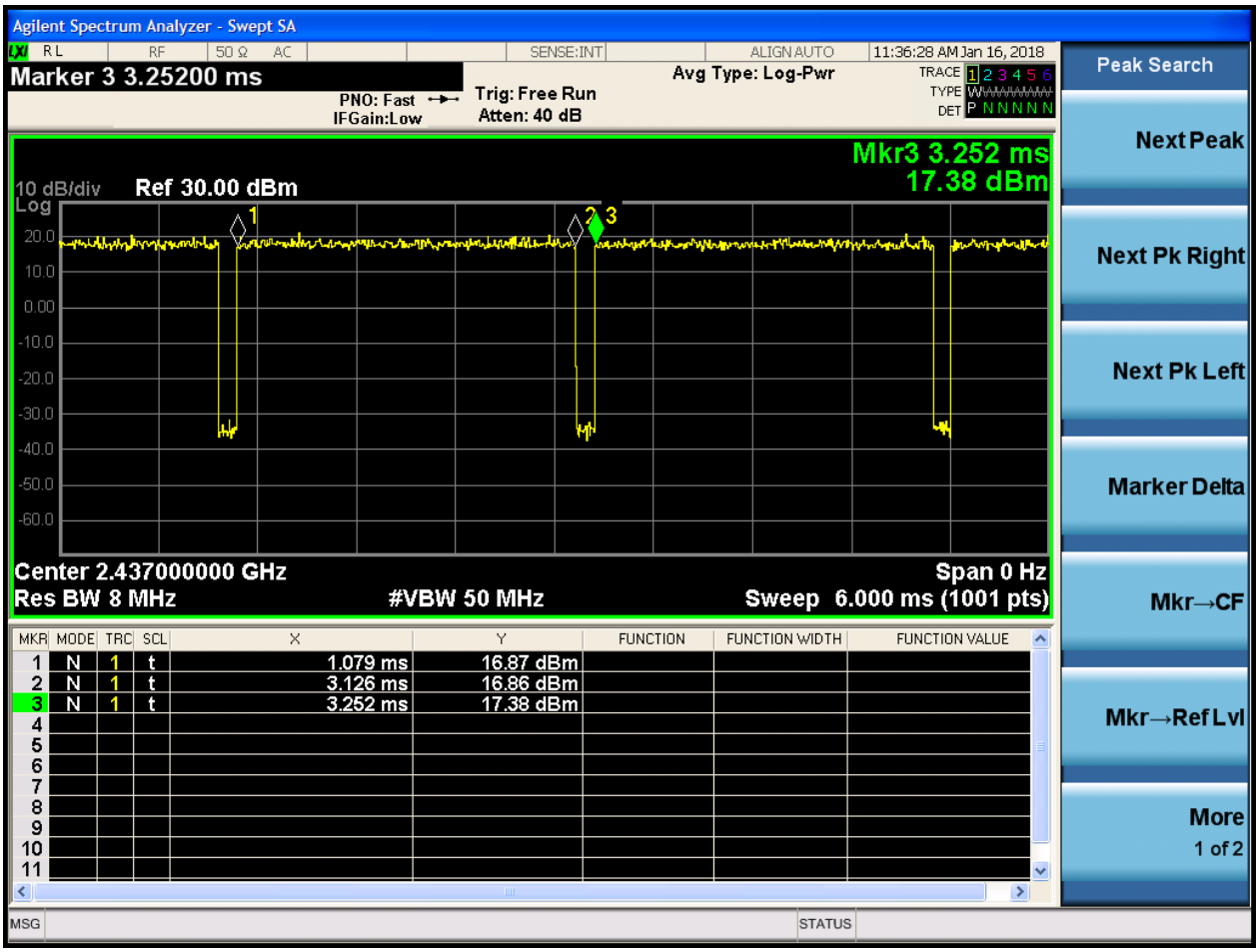
11N20MIMO_@Ant2



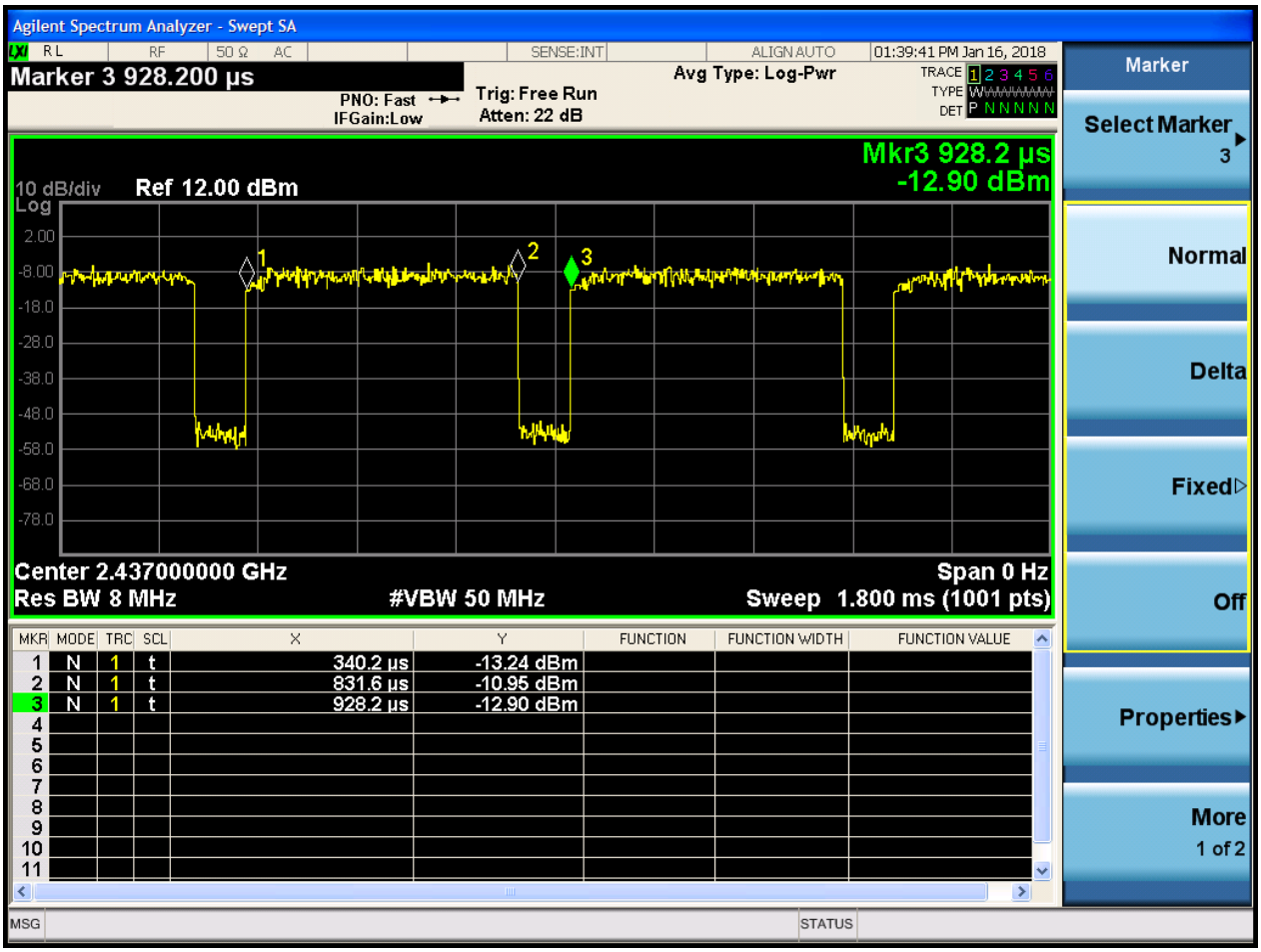
11N40SISO_@Ant1



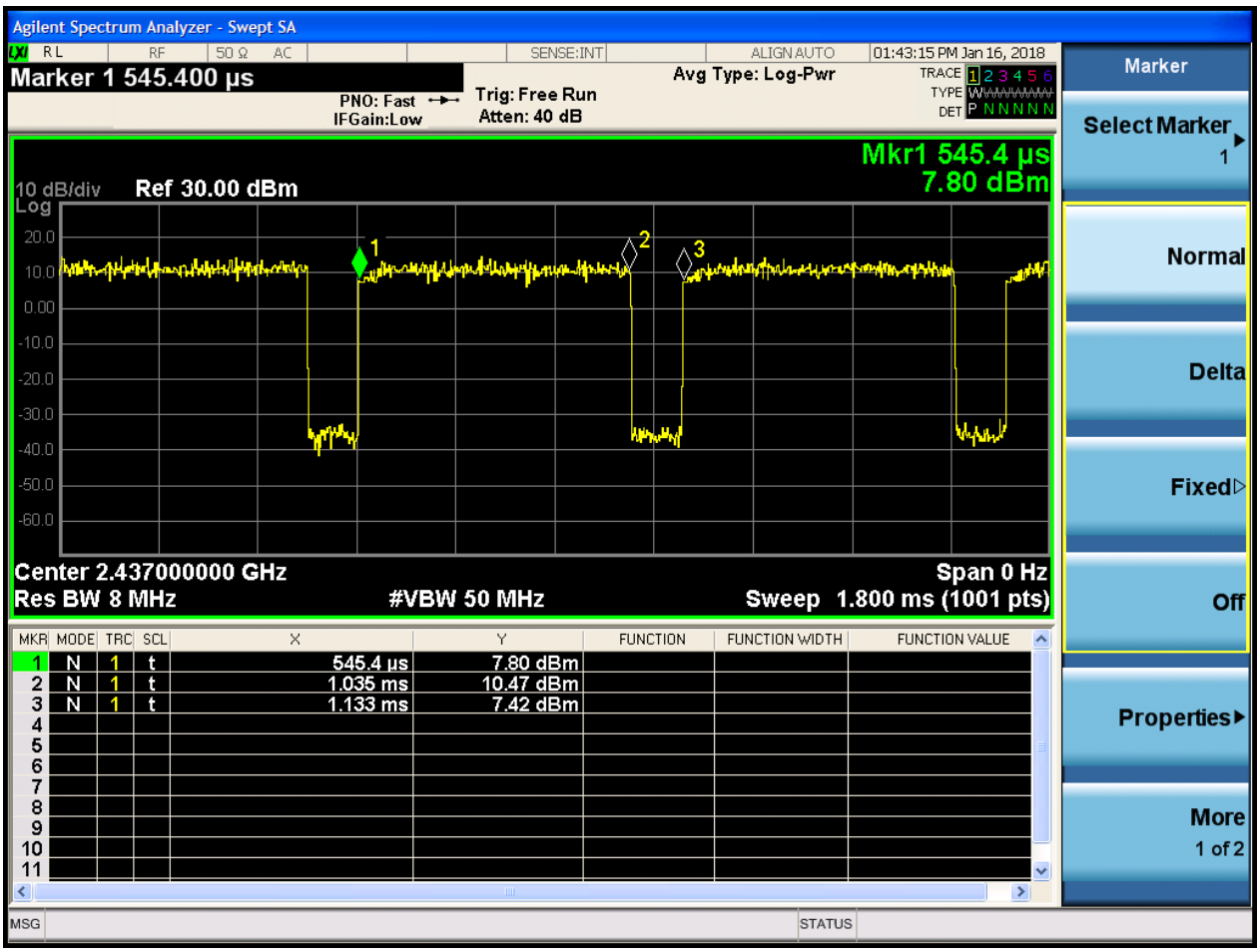
11N40SISO_@Ant2



11N40MIMO_@Ant1



11N40MIMO_@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	98	16.92	pass
11B	L	2412	Ant 2	99	17.28	pass
11B	M	2437	Ant 1	98	17.43	pass
11B	M	2437	Ant 2	99	17.15	pass
11B	H	2452	Ant 1	98	16.99	pass
11B	H	2452	Ant 2	99	17.35	pass
11B	H	2462	Ant 1	98	14.84	pass
11B	H	2462	Ant 2	99	15.31	pass
11G	L	2412	Ant 1	95	17.40	pass
11G	L	2412	Ant 2	95	17.62	pass
11G	M	2437	Ant 1	95	17.73	pass
11G	M	2437	Ant 2	95	17.45	pass
11G	H	2452	Ant 1	95	17.34	pass
11G	H	2452	Ant 2	95	17.7	pass

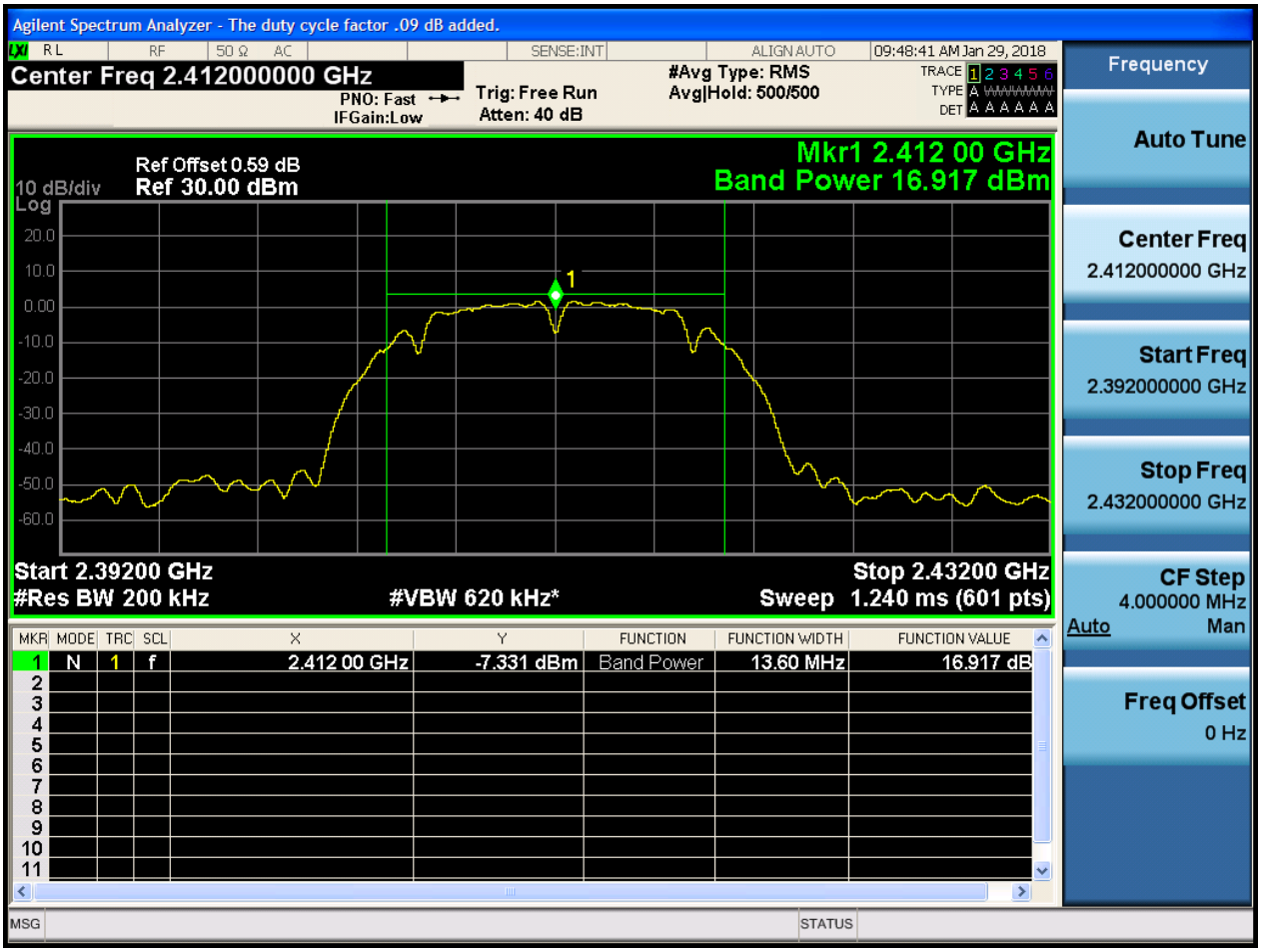
Test Mode	Test Channel	Frequency[MHz]	Ant	Duty Cycle [%]	Power[dBm]	Verdict
11G	H	2462	Ant 1	95	15.35	pass
11G	H	2462	Ant 2	95	15.66	pass
11N20	L	2412	Ant 1	95	17.08	pass
11N20	L	2412	Ant 2	96	17.49	pass
11N20	M	2437	Ant 1	95	17.56	pass
11N20	M	2437	Ant 2	96	17.37	pass
11N20	H	2452	Ant 1	95	17.23	pass
11N20	H	2452	Ant 2	96	17.63	pass
11N20	H	2462	Ant 1	95	15.06	pass
11N20	H	2462	Ant 2	96	15.58	pass
11N20m	L	2412	Ant 1	84	14.56	pass
11N20m	L	2412	Ant 2	84	14.95	pass
11N20m	L	2412	SUM	-	17.77	pass
11N20m	M	2437	Ant 1	84	15.02	pass
11N20m	M	2437	Ant 2	84	14.81	pass
11N20m	M	2437	SUM	-	17.93	pass
11N20m	H	2452	Ant 1	84	14.3	pass

Test Mode	Test Channel	Frequency[MHz]	Ant	Duty Cycle [%]	Power[dBm]	Verdict
11N20m	H	2452	Ant 2	84	14.93	pass
11N20m	H	2452	SUM	-	17.64	pass
11N20m	H	2462	Ant 1	84	12.51	pass
11N20m	H	2462	Ant 2	84	13.04	pass
11N20m	H	2462	SUM	-	15.79	pass
11N40	L	2422	Ant 1	84	15.24	pass
11N40	L	2422	Ant 2	84	15.62	pass
11N40	M	2437	Ant 1	84	15.46	pass
11N40	M	2437	Ant 2	84	15.55	pass
11N40	H	2452	Ant 1	84	15.39	pass
11N40	H	2452	Ant 2	84	15.51	pass
11N40m	L	2422	Ant 1	84	12.21	pass
11N40m	L	2422	Ant 2	83	12.65	pass
11N40m	L	2422	SUM	-	15.45	pass
11N40m	M	2437	Ant 1	84	12.50	pass
11N40m	M	2437	Ant 2	83	12.57	pass
11N40m	M	2437	SUM	-	15.55	pass

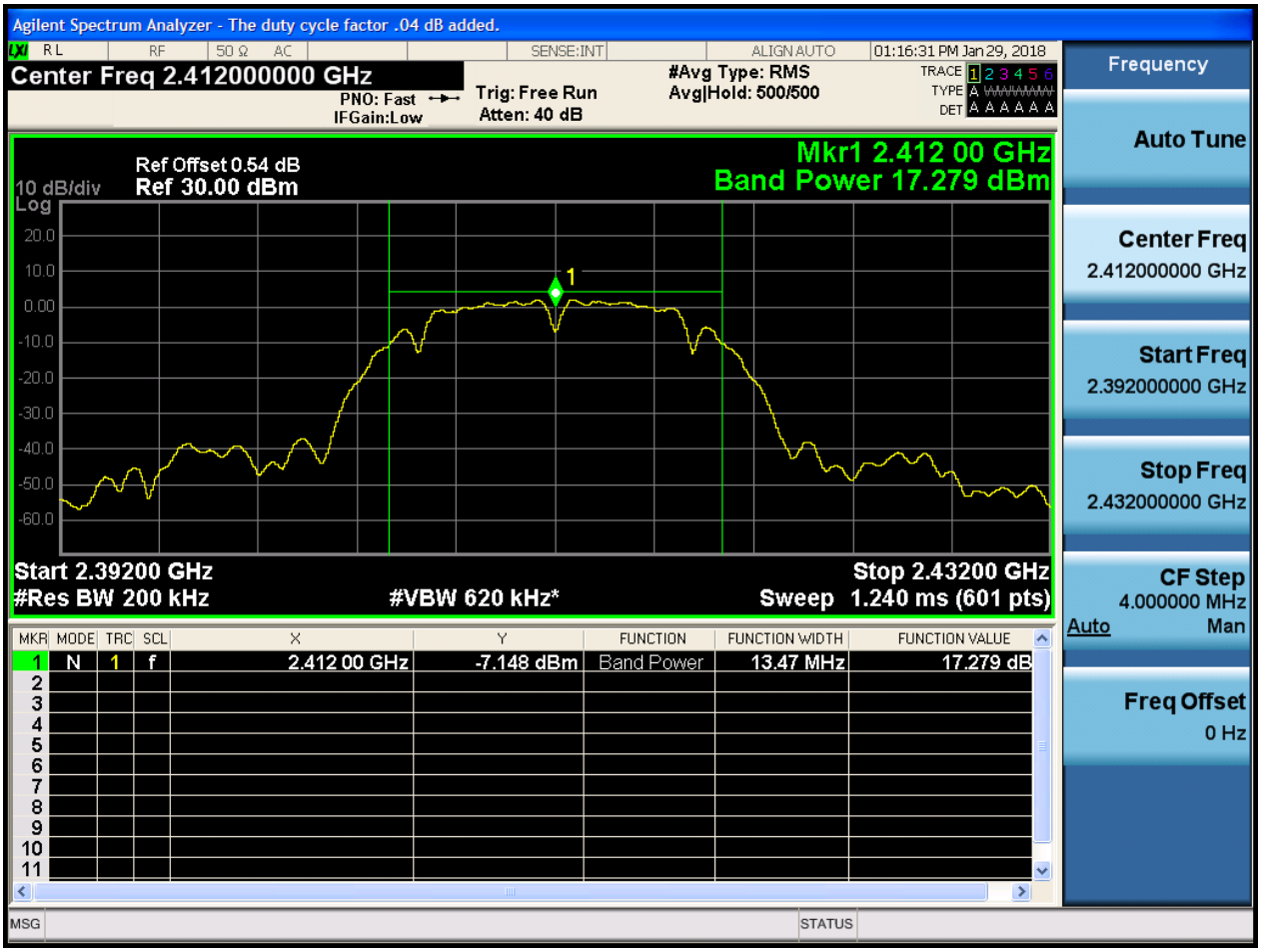
Test Mode	Test Channel	Frequency[MHz]	Ant	Duty Cycle [%]	Power[dBm]	Verdict
11N40m	H	2452	Ant 1	84	12.51	pass
11N40m	H	2452	Ant 2	83	12.49	pass
11N40m	H	2452	SUM	-	15.51	pass

Part II - Test Plots

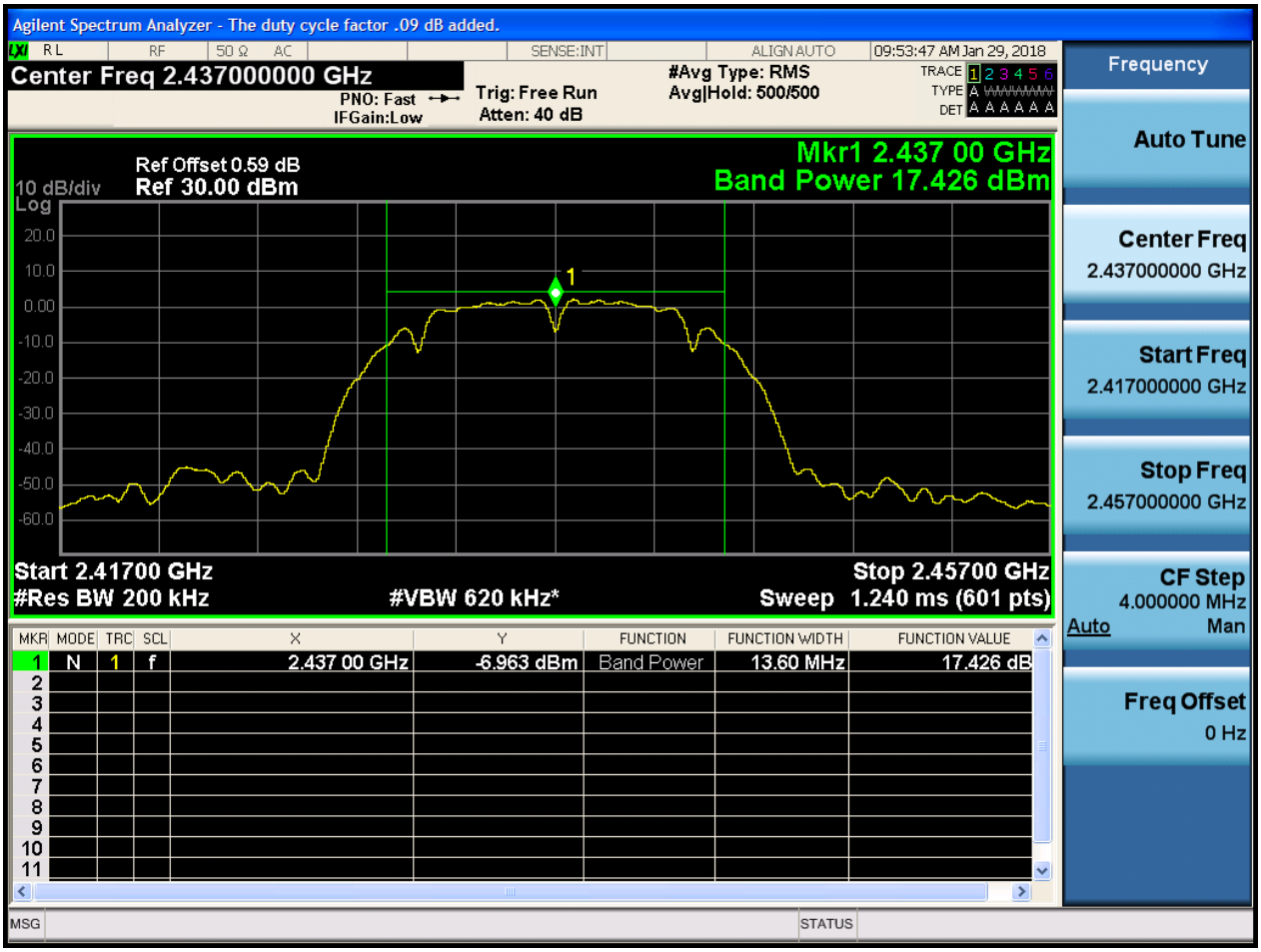
2.1 11B_L@Ant 1



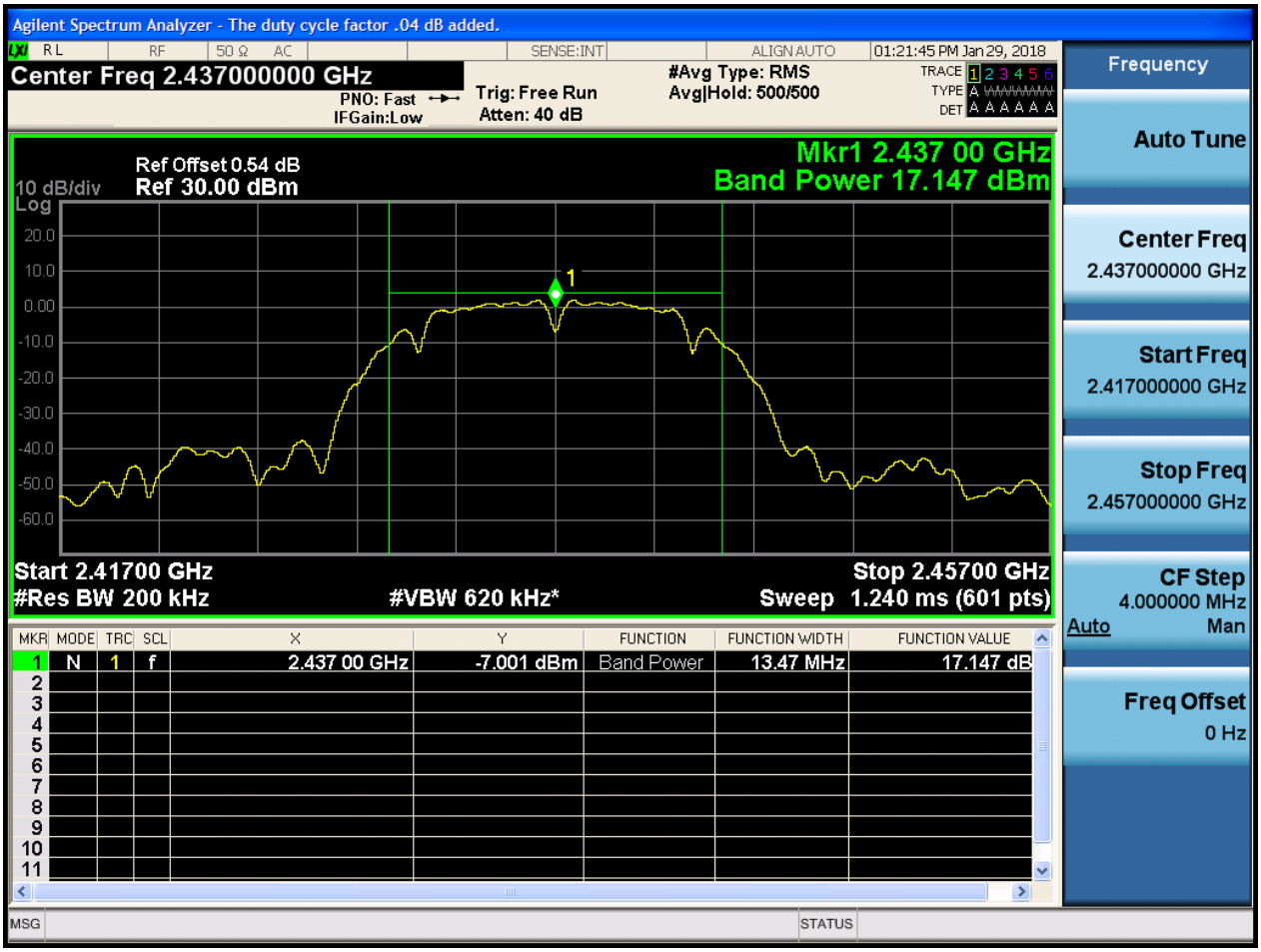
2.2 11B_L@Ant 2



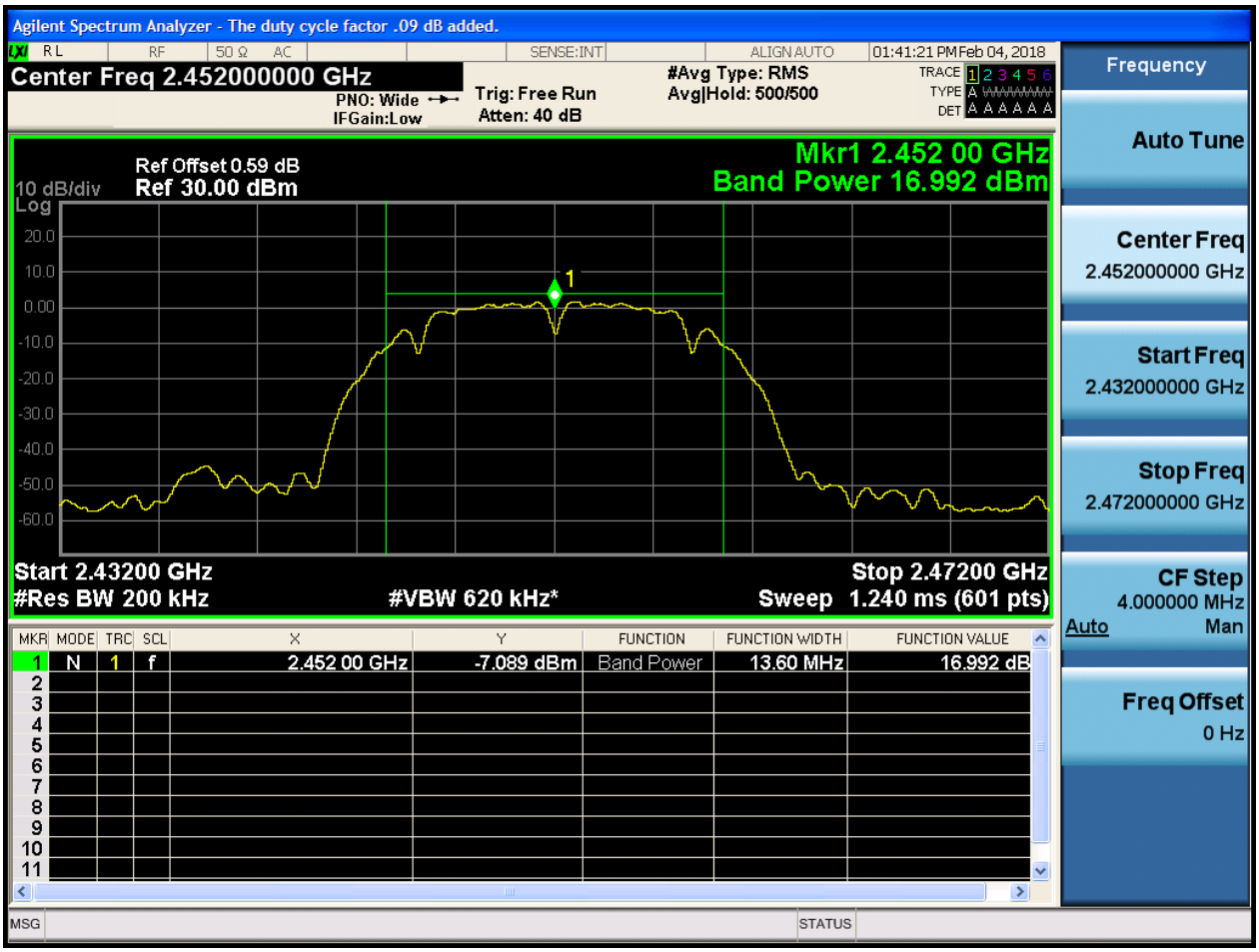
2.3 11B_M@Ant 1



2.4 11B_M@Ant 2



2.5 11B_H_2452@Ant 1



2.6 11B_H_2452@Ant 2