



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	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.73	2407.31	2417.04	---	PASS
11B	Ant2	2412	12.03	2405.98	2418.01	---	PASS
11B	Ant1	2417	9.78	2412.0	2421.78	---	PASS
11B	Ant2	2417	10.02	2411.95	2421.97	---	PASS
11B	Ant1	2437	9.59	2432.43	2442.02	---	PASS
11B	Ant2	2437	10.02	2432.0	2442.02	---	PASS
11B	Ant1	2457	9.98	2451.97	2461.96	---	PASS
11B	Ant2	2457	10.04	2451.97	2462.01	---	PASS
11B	Ant1	2462	10.06	2456.95	2467.0	---	PASS
11B	Ant2	2462	10.05	2456.99	2467.04	---	PASS
11G	Ant1	2412	16.34	2403.83	2420.17	---	PASS
11G	Ant2	2412	16.33	2403.84	2420.17	---	PASS
11G	Ant1	2417	16.33	2408.84	2425.17	---	PASS
11G	Ant2	2417	16.34	2408.83	2425.17	---	PASS
11G	Ant1	2437	16.33	2428.83	2445.16	---	PASS
11G	Ant2	2437	16.46	2428.74	2445.2	---	PASS
11G	Ant1	2457	16.33	2448.83	2465.16	---	PASS
11G	Ant2	2457	16.33	2448.82	2465.16	---	PASS
11G	Ant1	2462	16.32	2453.84	2470.16	---	PASS
11G	Ant2	2462	16.32	2453.83	2470.15	---	PASS
11N20SISO	Ant1	2412	17.57	2403.21	2420.78	---	PASS
11N20SISO	Ant2	2412	17.6	2403.2	2420.8	---	PASS
11N20SISO	Ant1	2417	17.62	2408.19	2425.8	---	PASS
11N20SISO	Ant2	2417	17.56	2408.22	2425.77	---	PASS
11N20SISO	Ant1	2437	17.58	2428.21	2445.79	---	PASS
11N20SISO	Ant2	2437	17.57	2428.21	2445.78	---	PASS
11N20SISO	Ant1	2457	17.56	2448.22	2465.78	---	PASS
11N20SISO	Ant2	2457	17.55	2448.22	2465.77	---	PASS
11N20SISO	Ant1	2462	17.58	2453.2	2470.78	---	PASS
11N20SISO	Ant2	2462	17.62	2453.18	2470.8	---	PASS
11N20MIMO	Ant1	2412	17.59	2403.19	2420.78	---	PASS



11N20MIMO	Ant2	2412	17.59	2403.2	2420.78	---	PASS
11N20MIMO	Ant1	2417	17.56	2408.22	2425.78	---	PASS
11N20MIMO	Ant2	2417	17.58	2408.21	2425.78	---	PASS
11N20MIMO	Ant1	2437	17.54	2428.24	2445.78	---	PASS
11N20MIMO	Ant2	2437	17.59	2428.19	2445.78	---	PASS
11N20MIMO	Ant1	2457	17.58	2448.21	2465.79	---	PASS
11N20MIMO	Ant2	2457	17.56	2448.21	2465.77	---	PASS
11N20MIMO	Ant1	2462	17.57	2453.21	2470.78	---	PASS
11N20MIMO	Ant2	2462	17.59	2453.2	2470.78	---	PASS
11N40SISO	Ant1	2422	36.31	2403.85	2440.15	---	PASS
11N40SISO	Ant2	2422	36.32	2403.84	2440.15	---	PASS
11N40SISO	Ant1	2427	36.3	2408.85	2445.15	---	PASS
11N40SISO	Ant2	2427	36.3	2408.84	2445.14	---	PASS
11N40SISO	Ant1	2437	36.31	2418.85	2455.16	---	PASS
11N40SISO	Ant2	2437	36.32	2418.84	2455.16	---	PASS
11N40SISO	Ant1	2447	36.31	2428.85	2465.16	---	PASS
11N40SISO	Ant2	2447	36.32	2428.84	2465.16	---	PASS
11N40SISO	Ant1	2452	36.31	2433.84	2470.14	---	PASS
11N40SISO	Ant2	2452	36.33	2433.83	2470.16	---	PASS
11N40MIMO	Ant1	2422	36.32	2403.83	2440.15	---	PASS
11N40MIMO	Ant2	2422	36.33	2403.83	2440.15	---	PASS
11N40MIMO	Ant1	2427	36.32	2408.84	2445.16	---	PASS
11N40MIMO	Ant2	2427	36.33	2408.82	2445.16	---	PASS
11N40MIMO	Ant1	2437	36.3	2418.84	2455.14	---	PASS
11N40MIMO	Ant2	2437	36.33	2418.84	2455.16	---	PASS
11N40MIMO	Ant1	2447	36.29	2428.86	2465.14	---	PASS
11N40MIMO	Ant2	2447	36.33	2428.83	2465.16	---	PASS
11N40MIMO	Ant1	2452	36.31	2433.84	2470.15	---	PASS
11N40MIMO	Ant2	2452	36.33	2433.83	2470.16	---	PASS



Part II - Test Graphs

1.1 11B_Ant1_2412



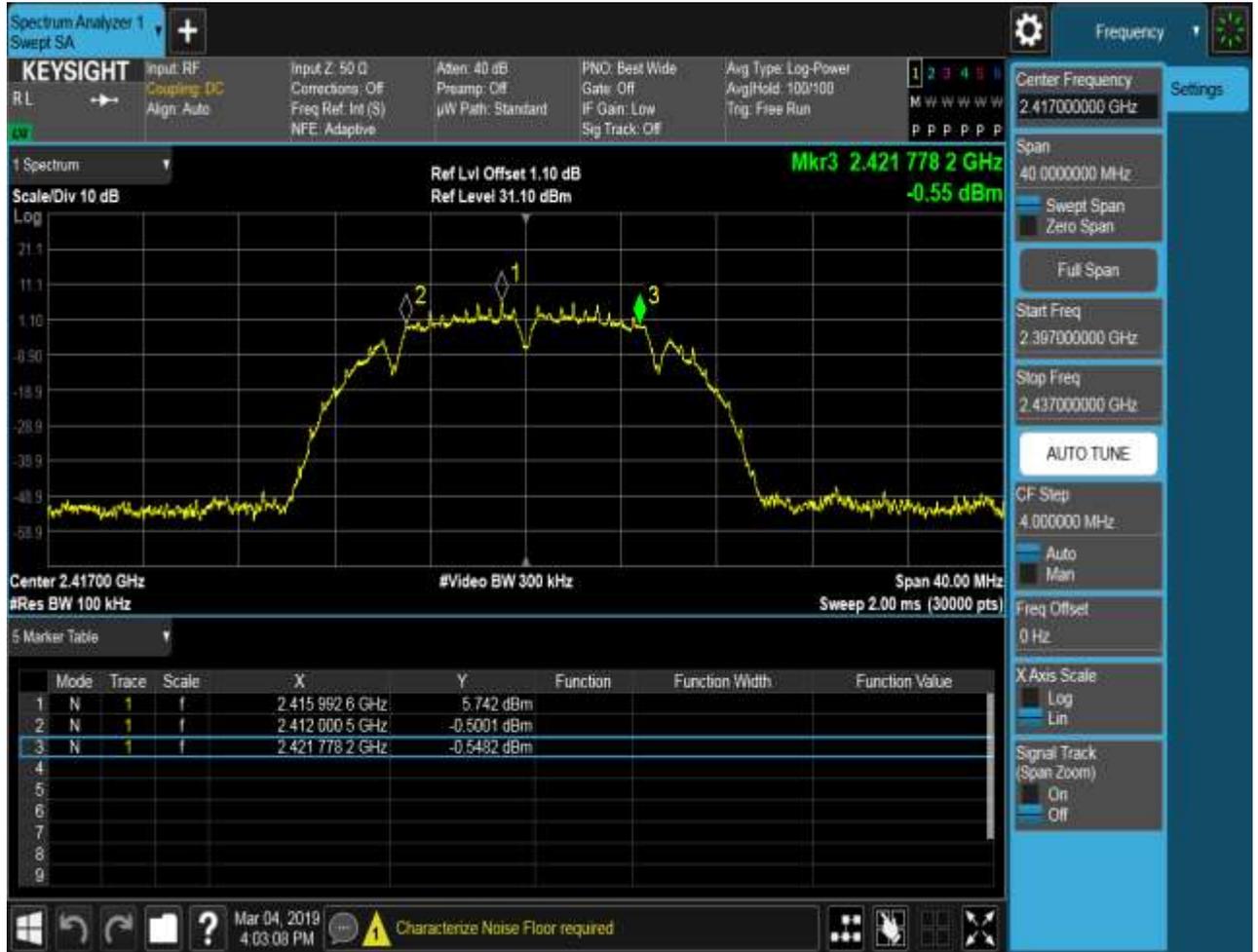


1.2 11B_Ant2_2412





1.3 11B_Ant1_2417





1.4 11B_Ant2_2417





1.5 11B_Ant1_2437





1.6 11B_Ant2_2437





1.7 11B_Ant1_2457





1.8 11B_Ant2_2457



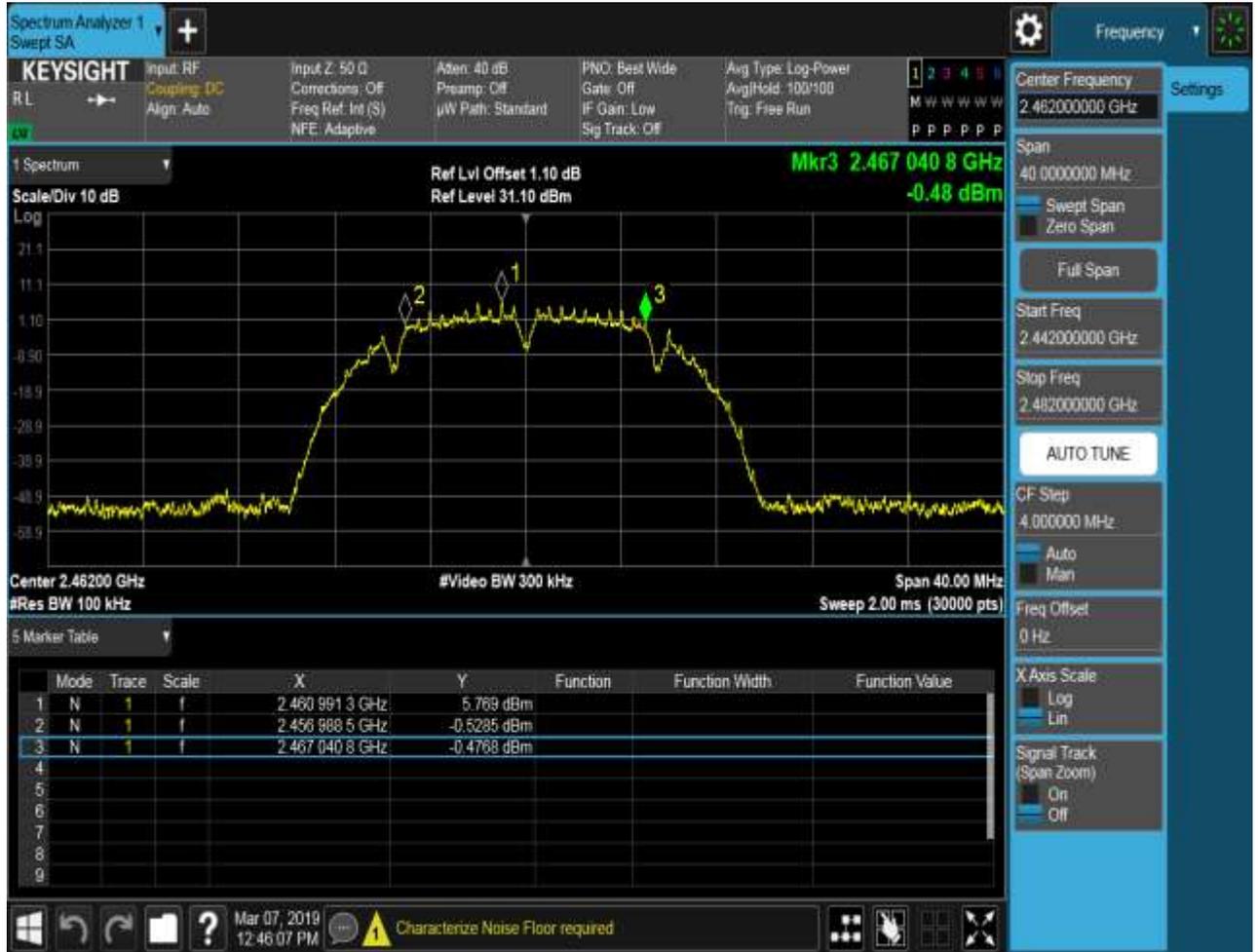


1.9 11B_Ant1_2462





1.10 11B_Ant2_2462





1.11 11G_Ant1_2412





1.12 11G_Ant2_2412



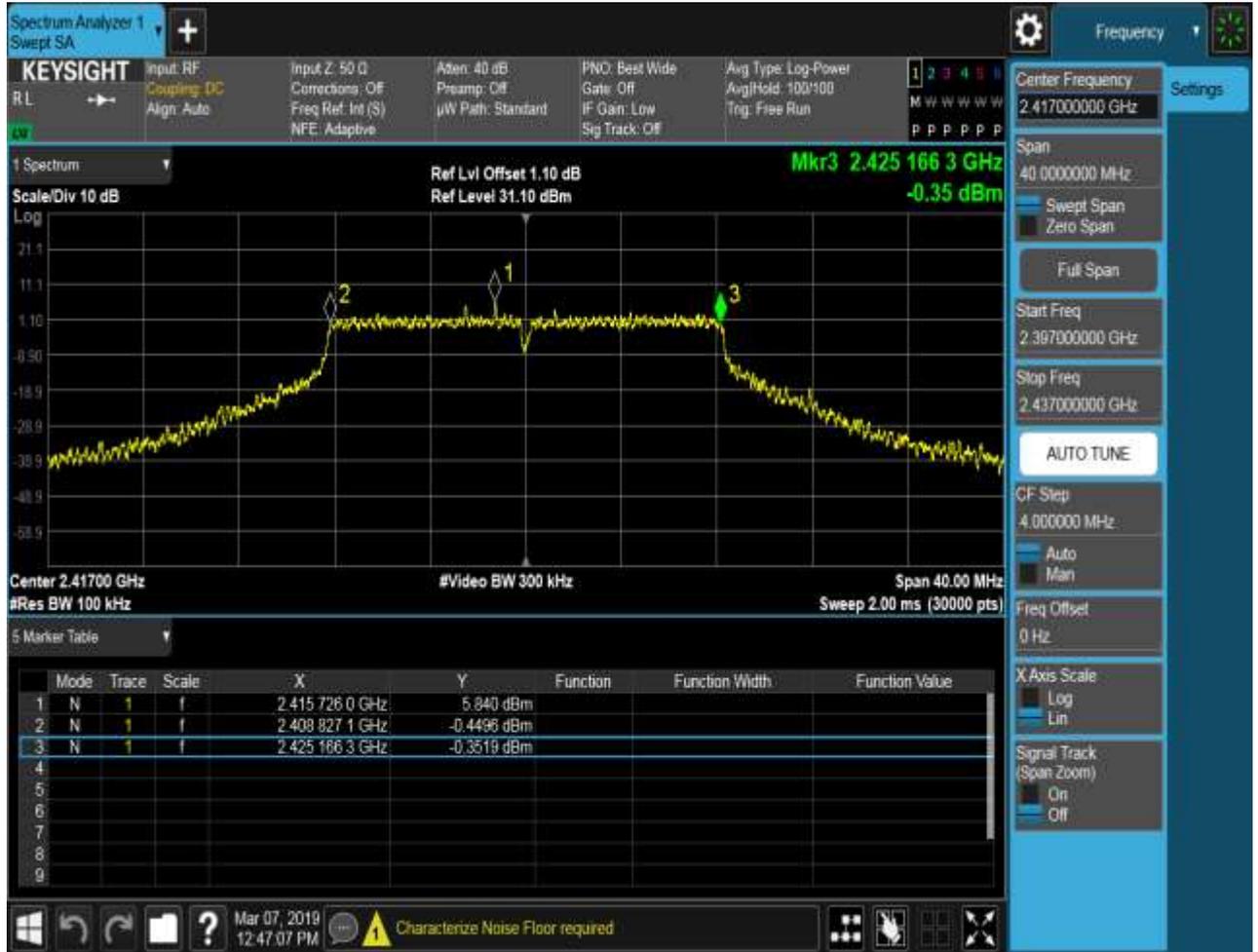


1.13 11G_Ant1_2417





1.14 11G_Ant2_2417



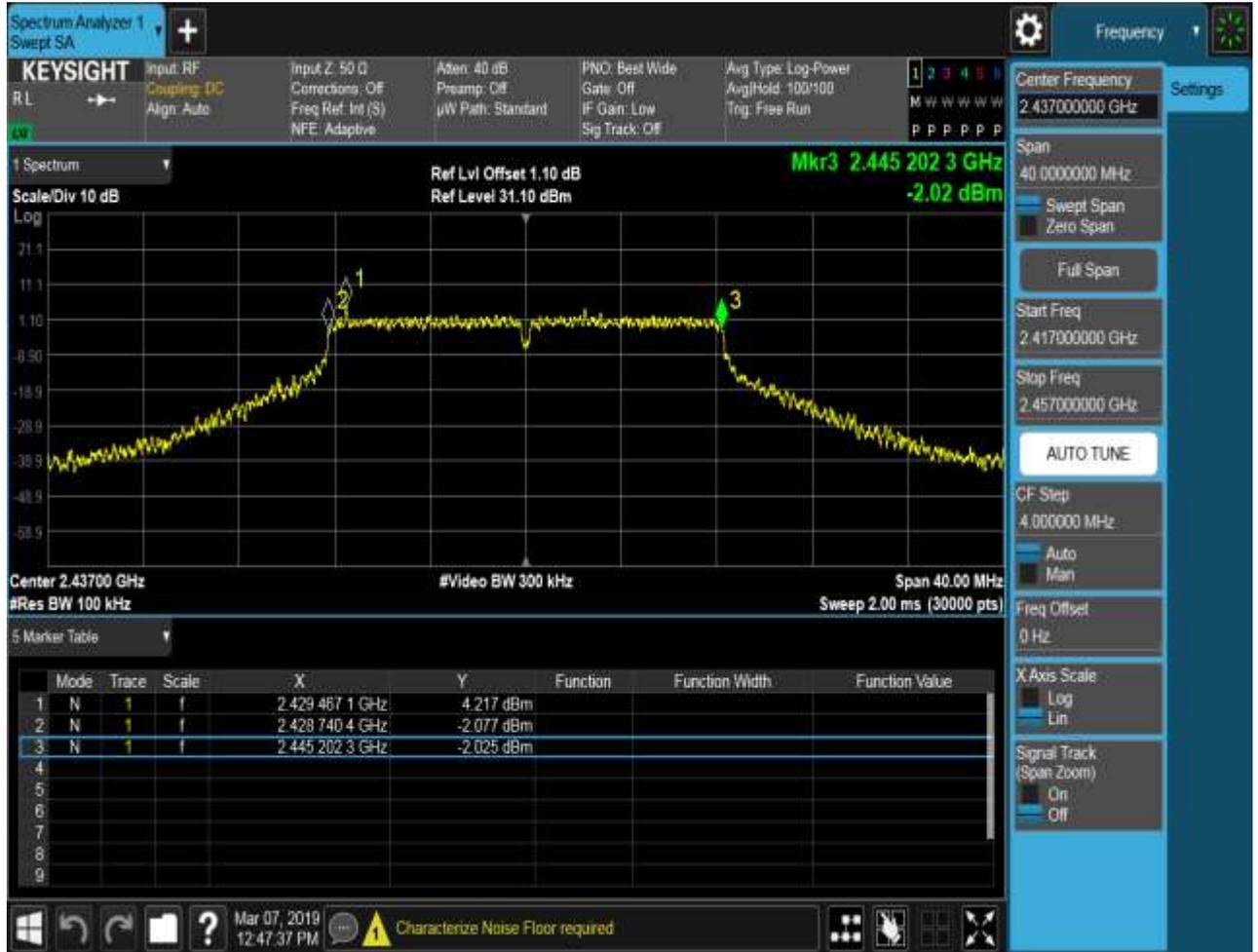


1.15 11G_Ant1_2437





1.16 11G_Ant2_2437





1.17 11G_Ant1_2457





1.18 11G_Ant2_2457





1.19 11G_Ant1_2462





1.20 11G_Ant2_2462





1.21 11N20SISO_Ant1_2412



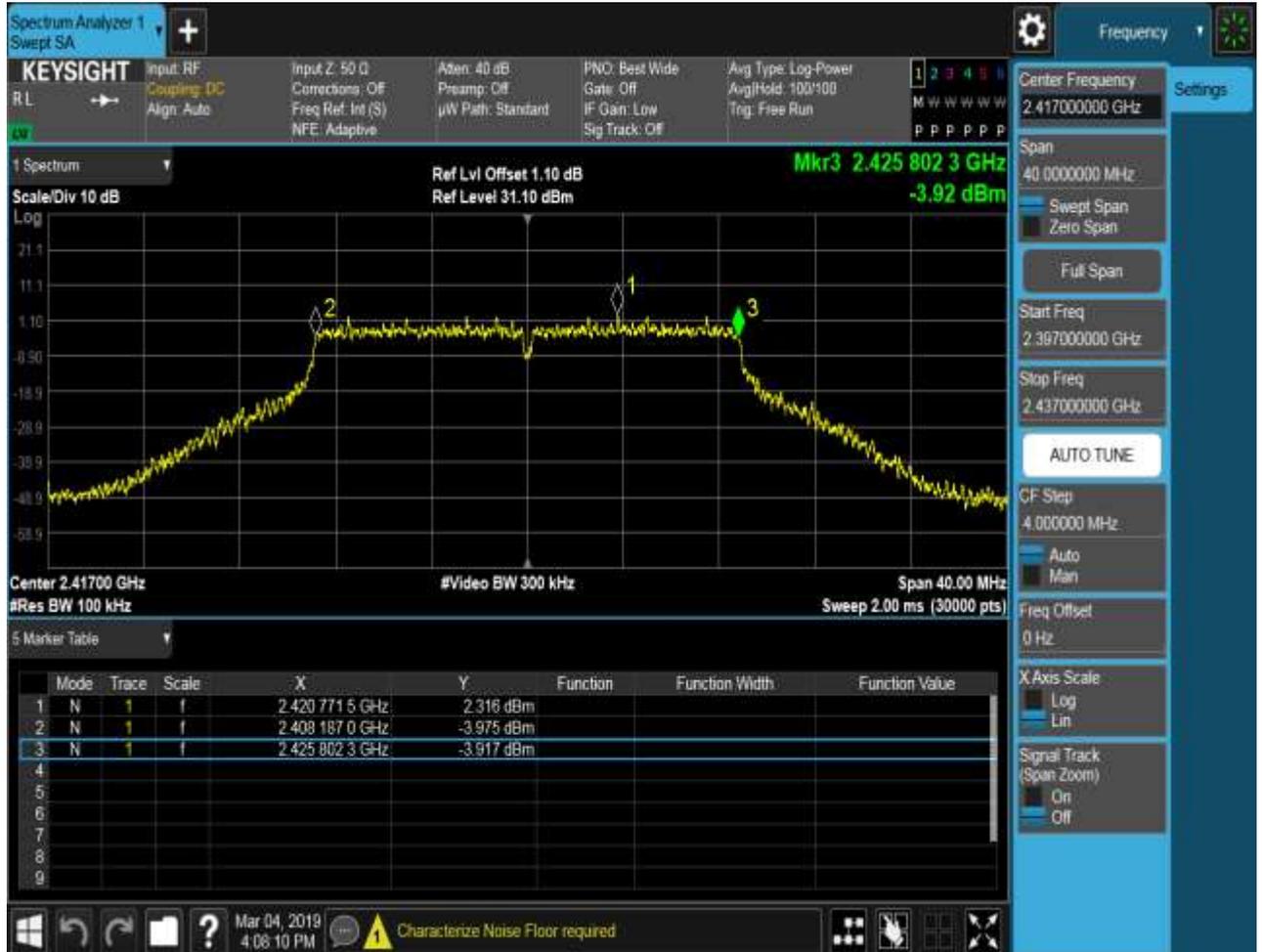


1.22 11N20SISO_Ant2_2412





1.23 11N20SISO_Ant1_2417





1.24 11N20SISO_Ant2_2417





1.25 11N20SISO_Ant1_2437



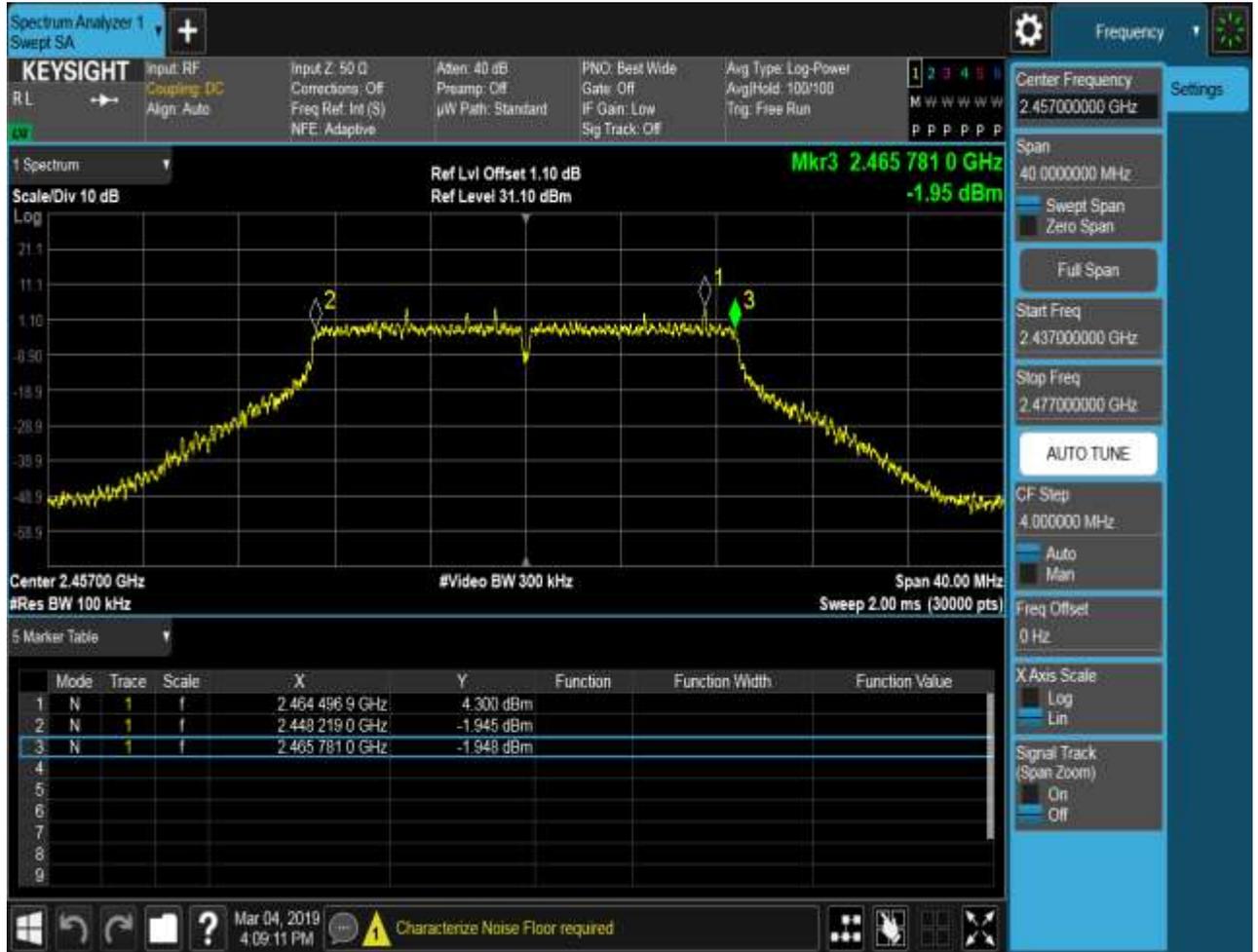


1.26 11N20SISO_Ant2_2437



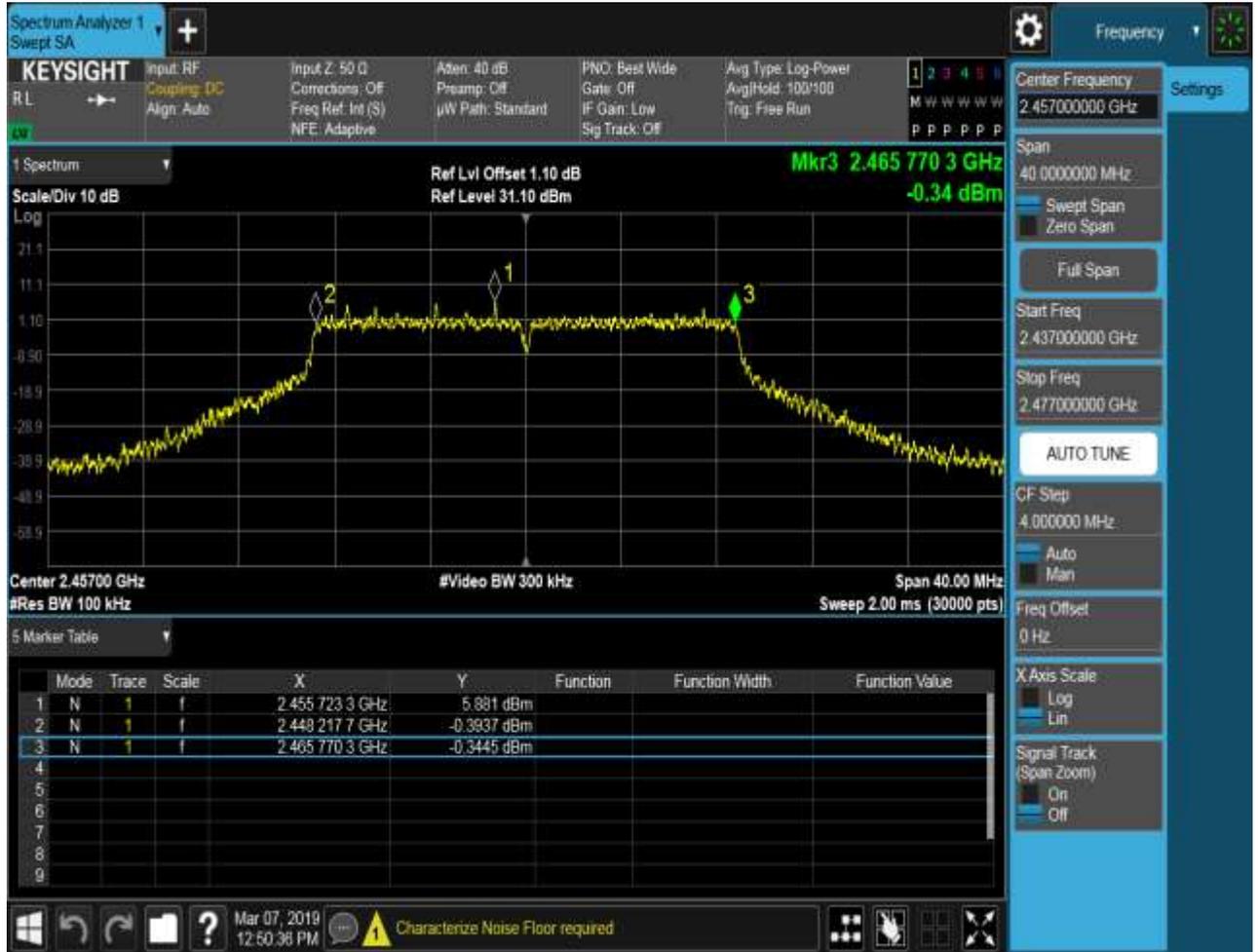


1.27 11N20SISO_Ant1_2457



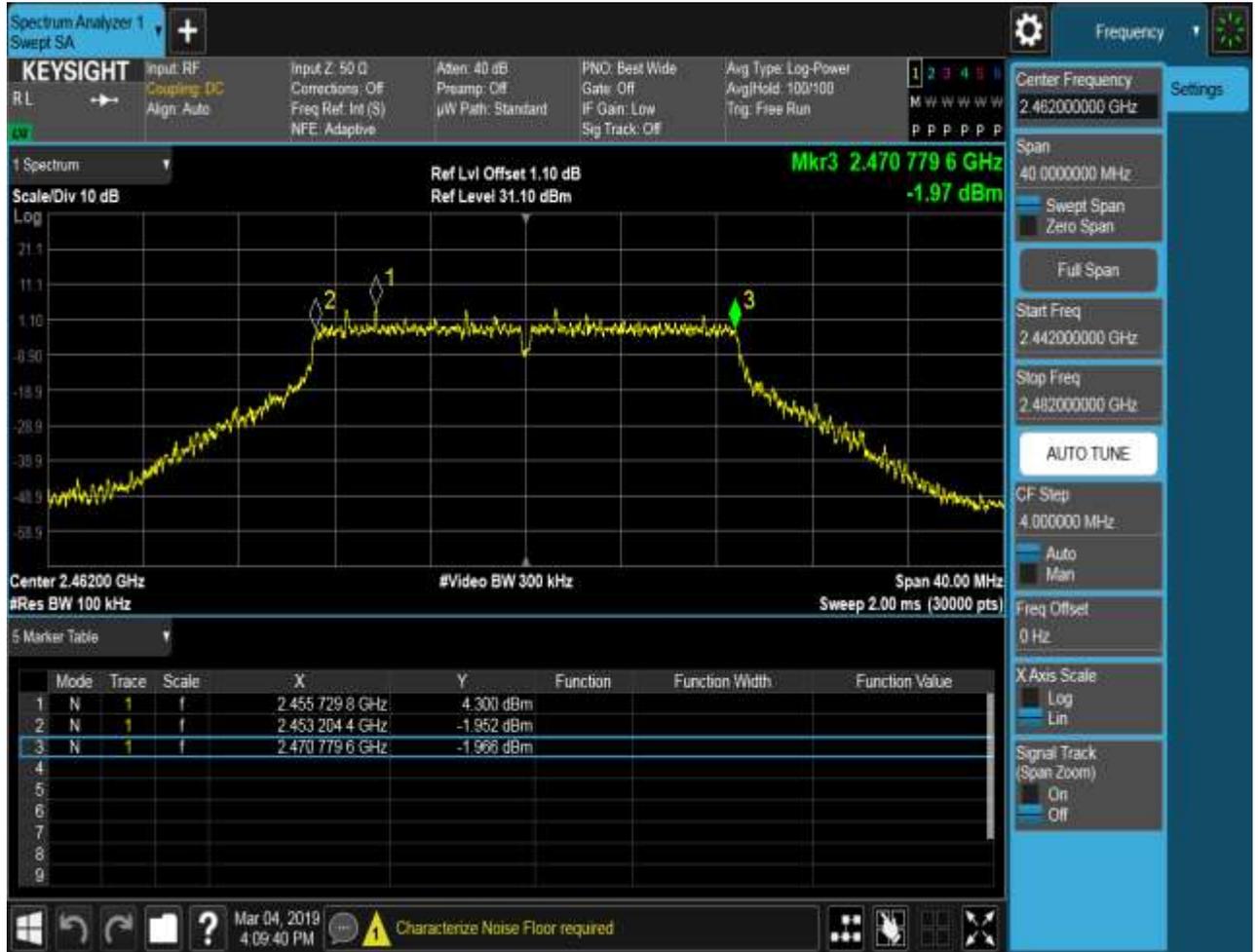


1.28 11N20SISO_Ant2_2457



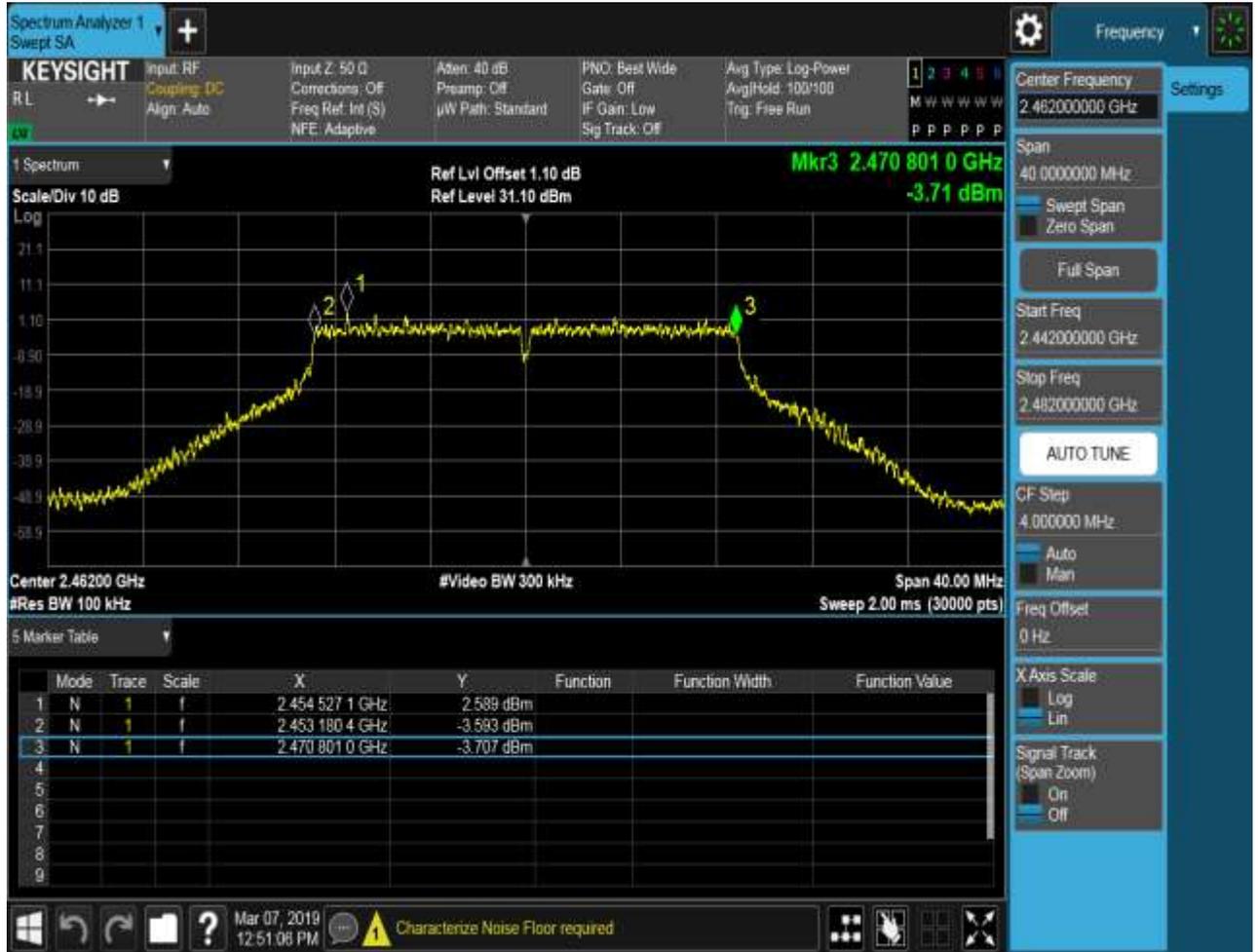


1.29 11N20SISO_Ant1_2462





1.30 11N20SISO_Ant2_2462





1.31 11N40SISO_Ant1_2422





1.32 11N40SISO_Ant2_2422



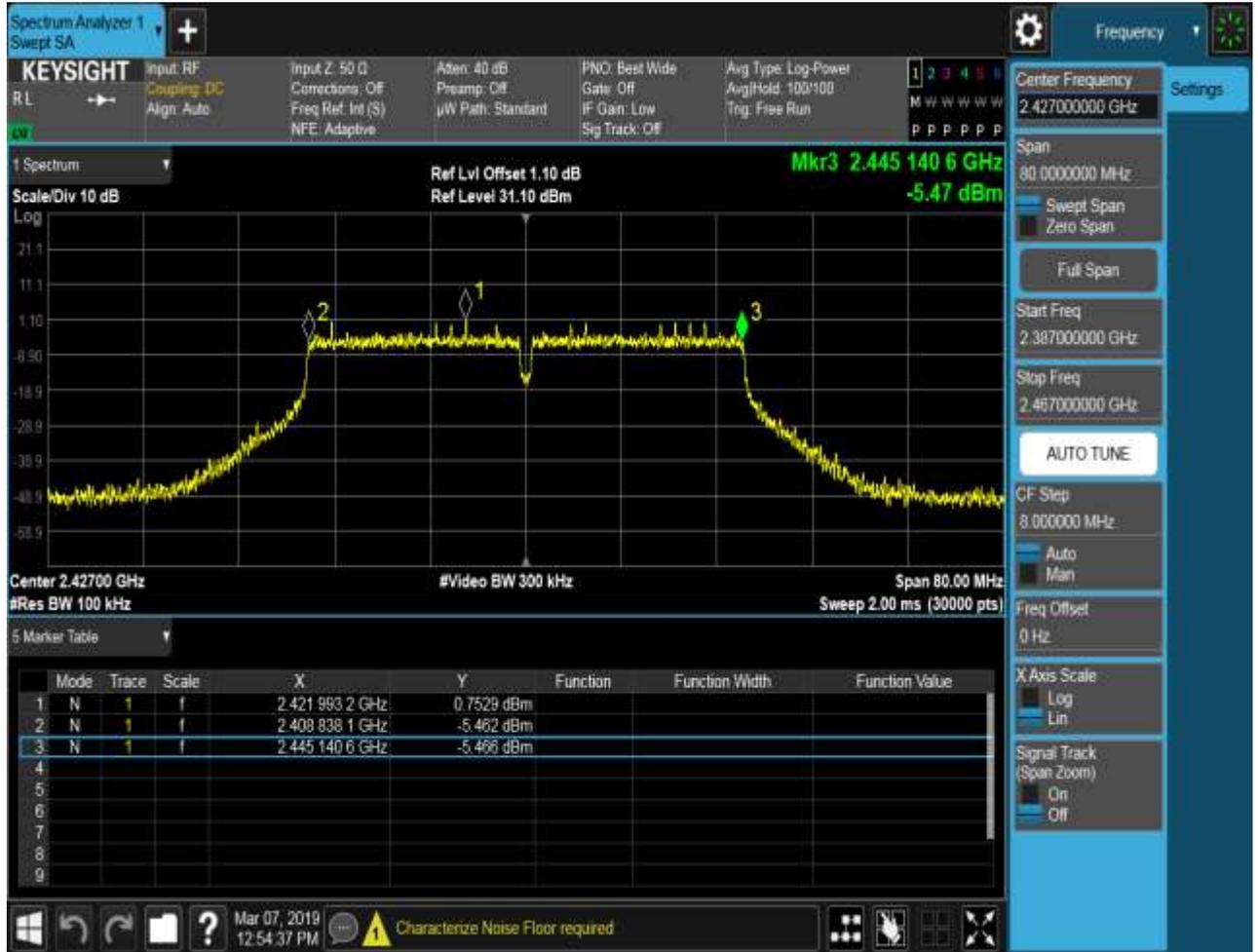


1.33 11N40SISO_Ant1_2427



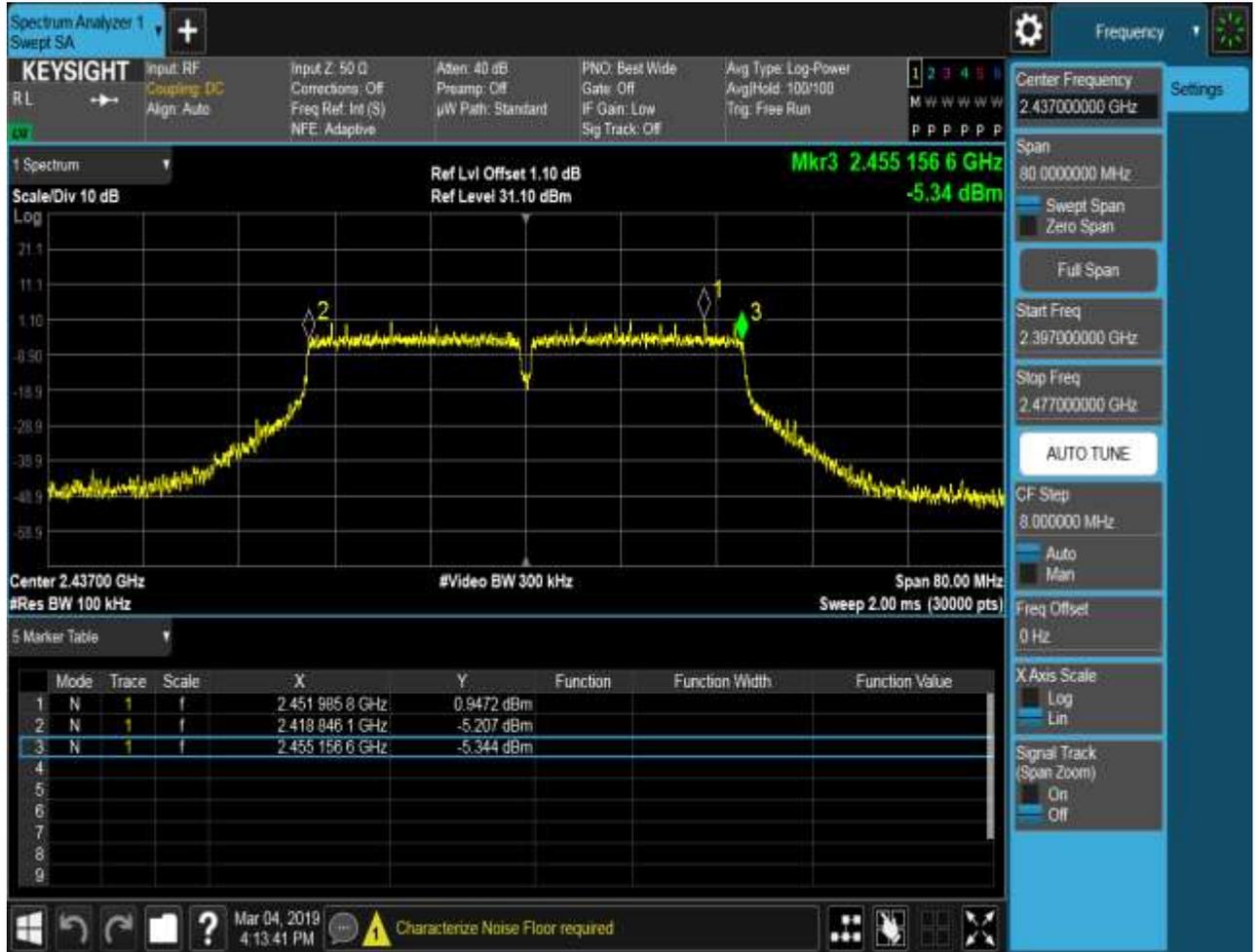


1.34 11N40SISO_Ant2_2427





1.35 11N40SISO_Ant1_2437



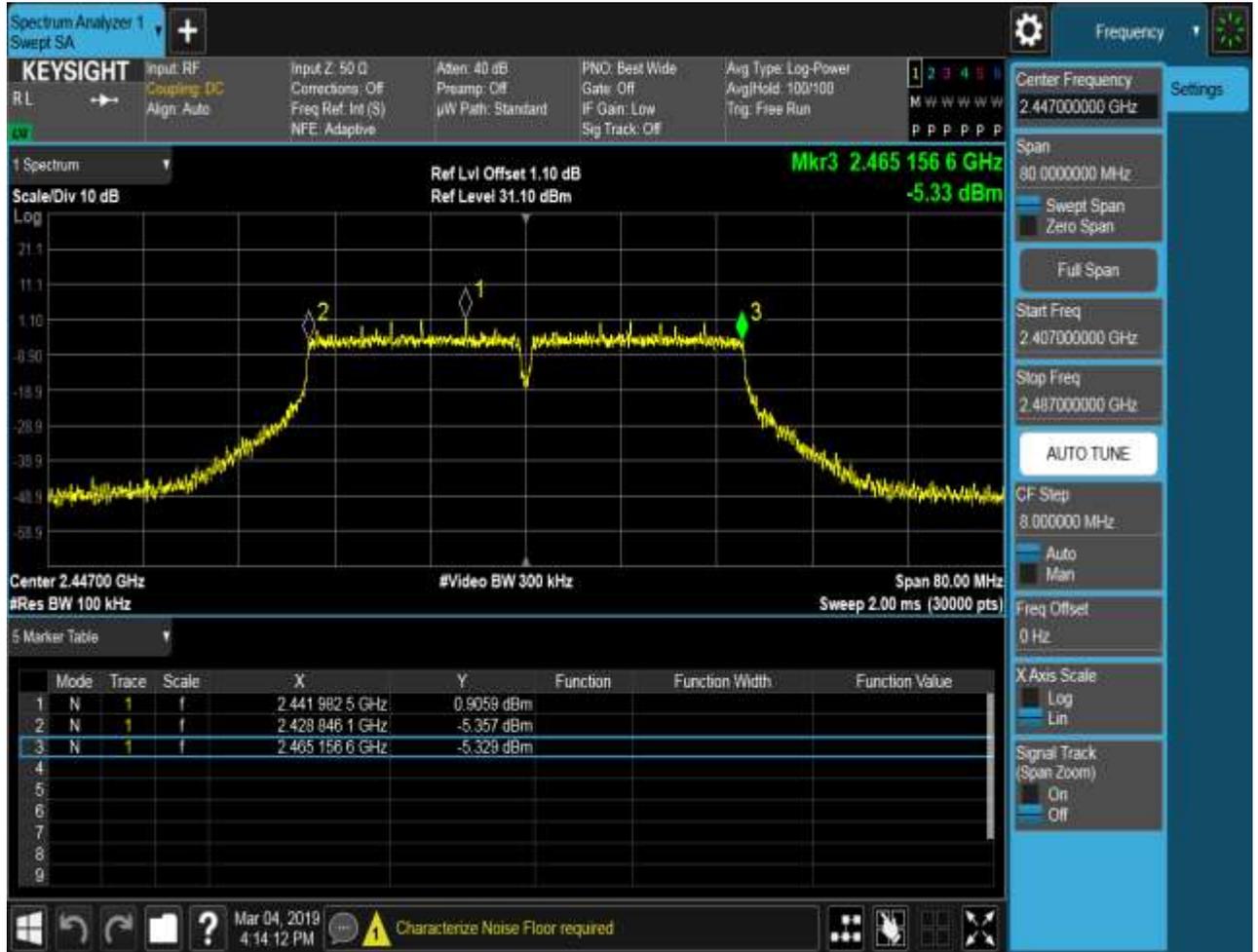


1.36 11N40SISO_Ant2_2437



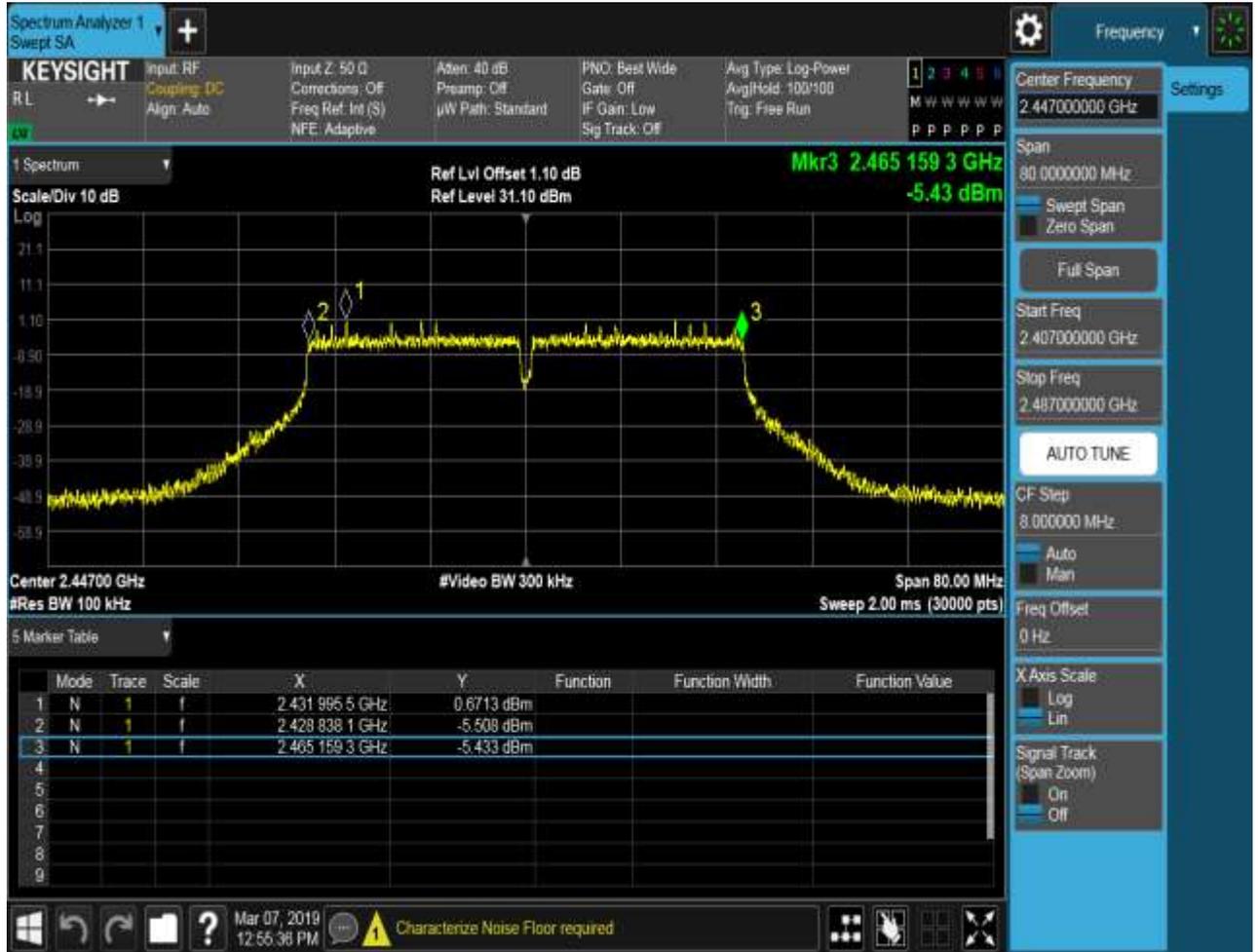


1.37 11N40SISO_Ant1_2447





1.38 11N40SISO_Ant2_2447



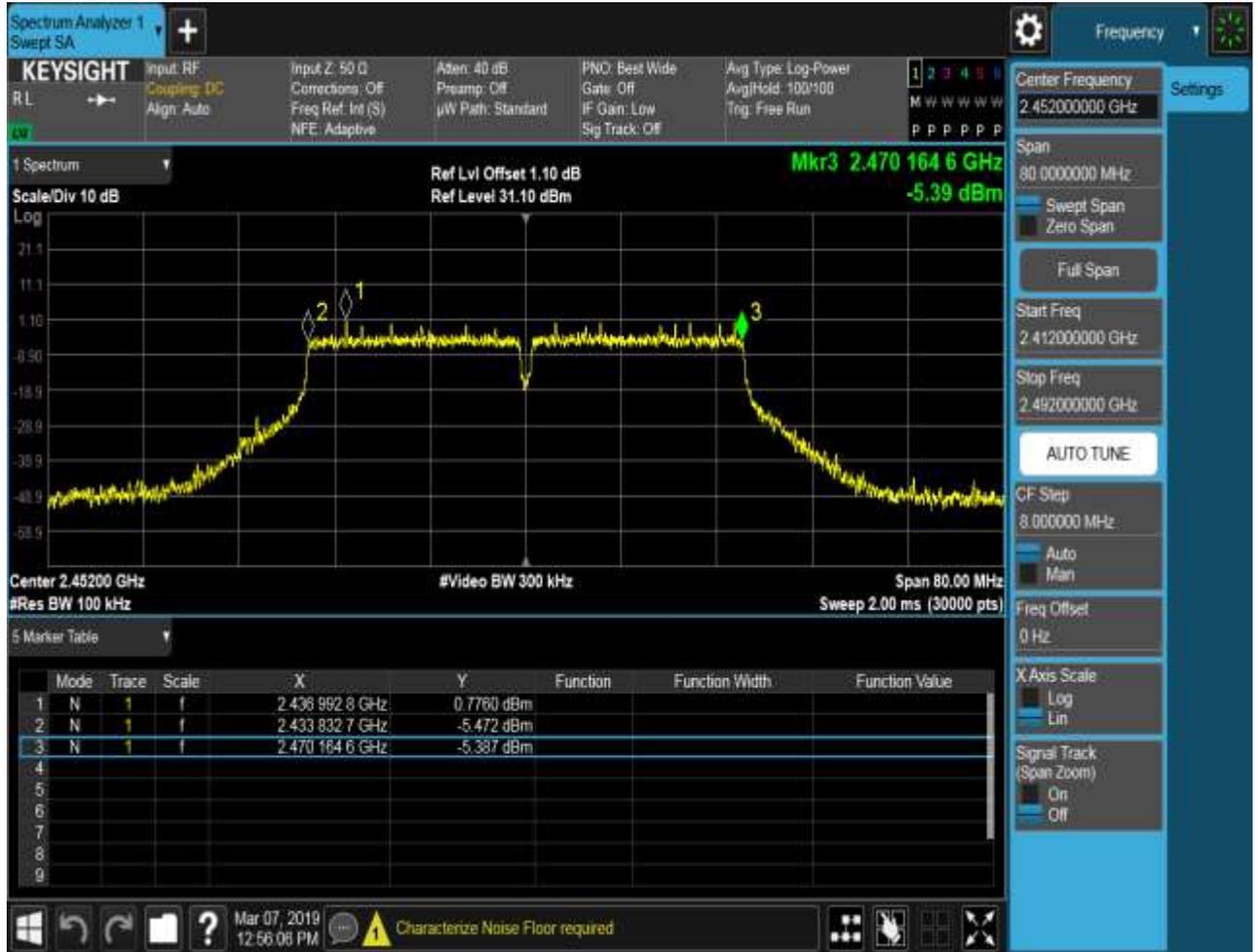


1.39 11N40SISO_Ant1_2452





1.40 11N40SISO_Ant2_2452





1.41 11N20MIMO_Ant1_2412



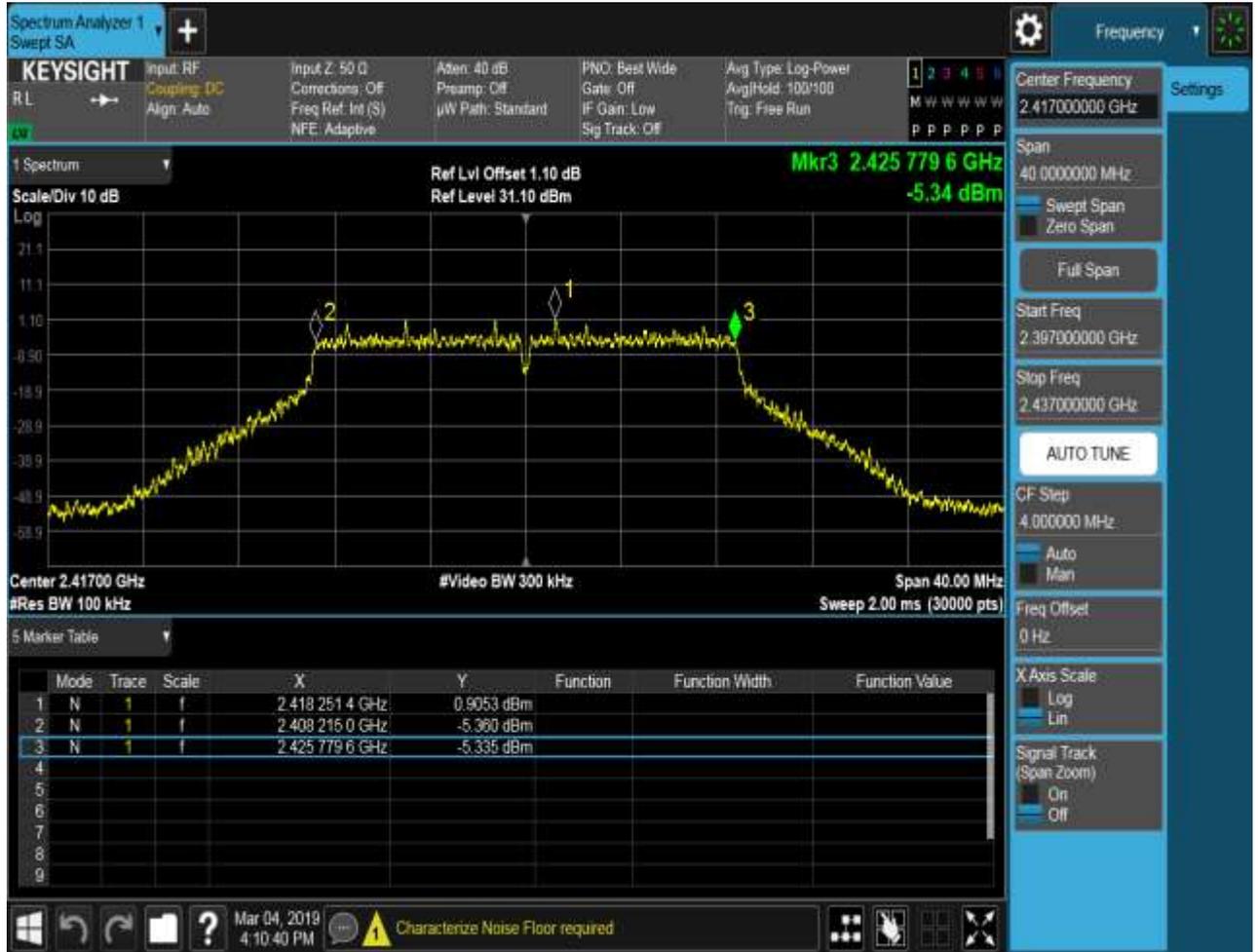


1.42 11N20MIMO_Ant2_2412



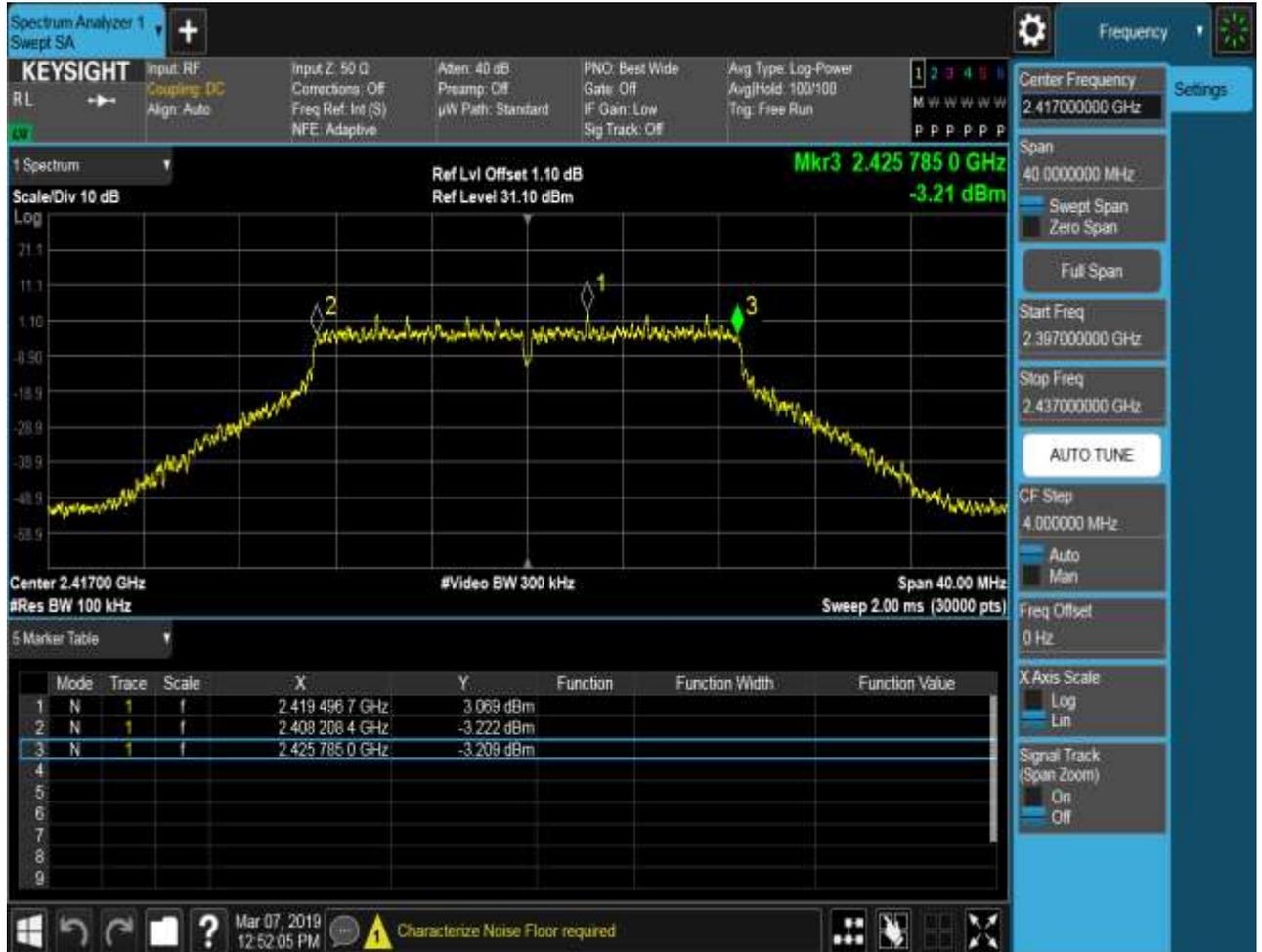


1.43 11N20MIMO_Ant1_2417





1.44 11N20MIMO_Ant2_2417





1.45 11N20MIMO_Ant1_2437





1.46 11N20MIMO_Ant2_2437





1.47 11N20MIMO_Ant1_2457





1.48 11N20MIMO_Ant2_2457



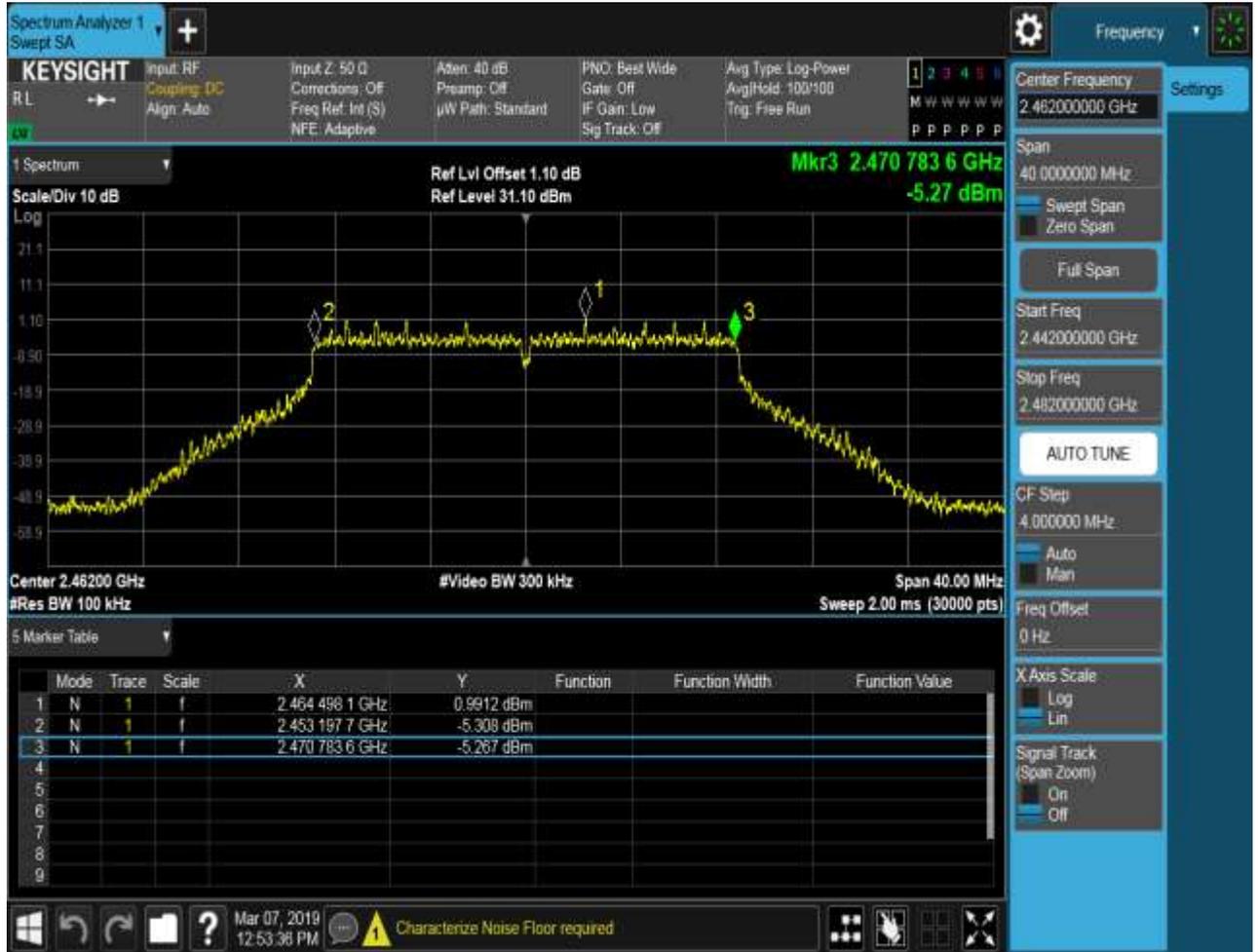


1.49 11N20MIMO_Ant1_2462



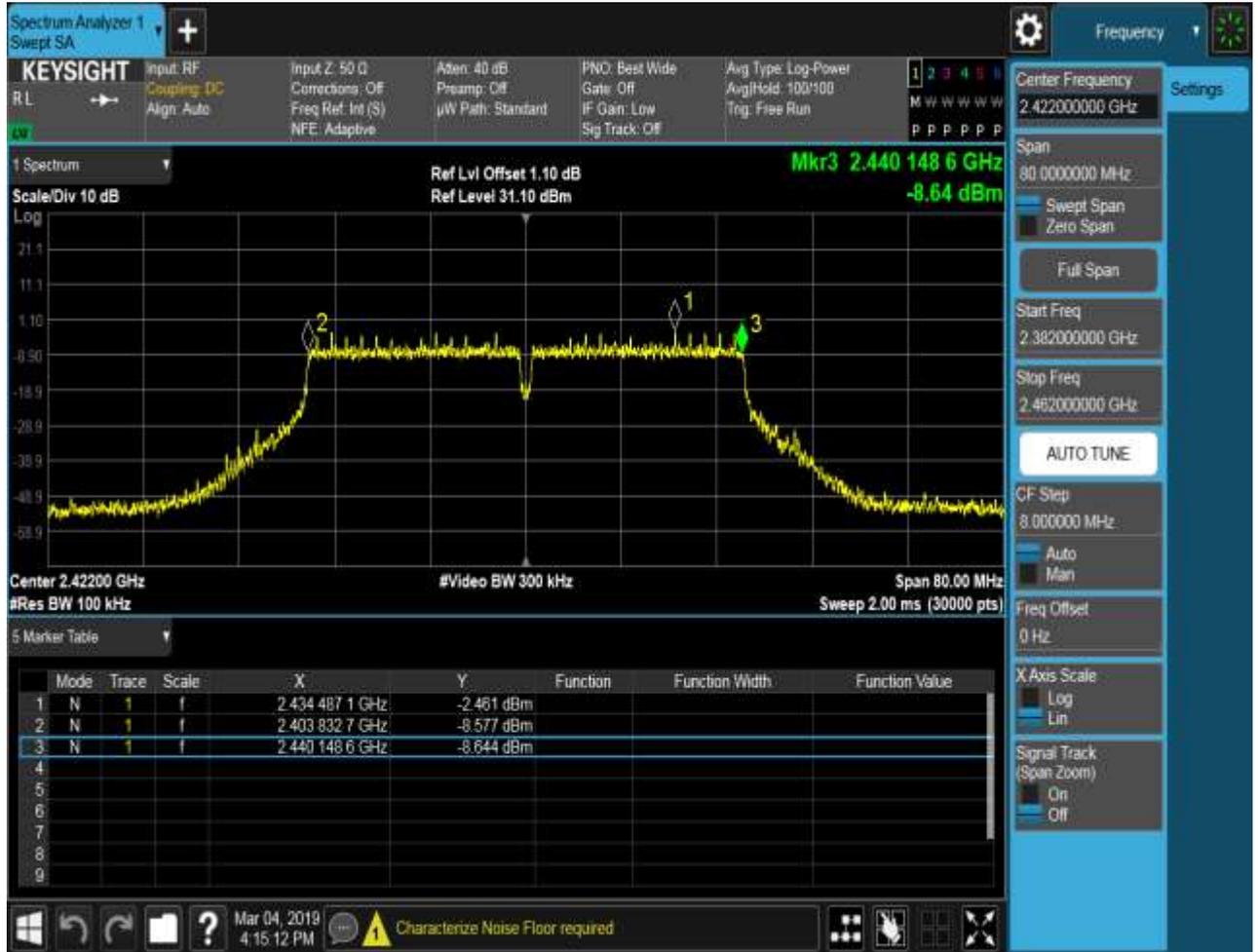


1.50 11N20MIMO_Ant2_2462



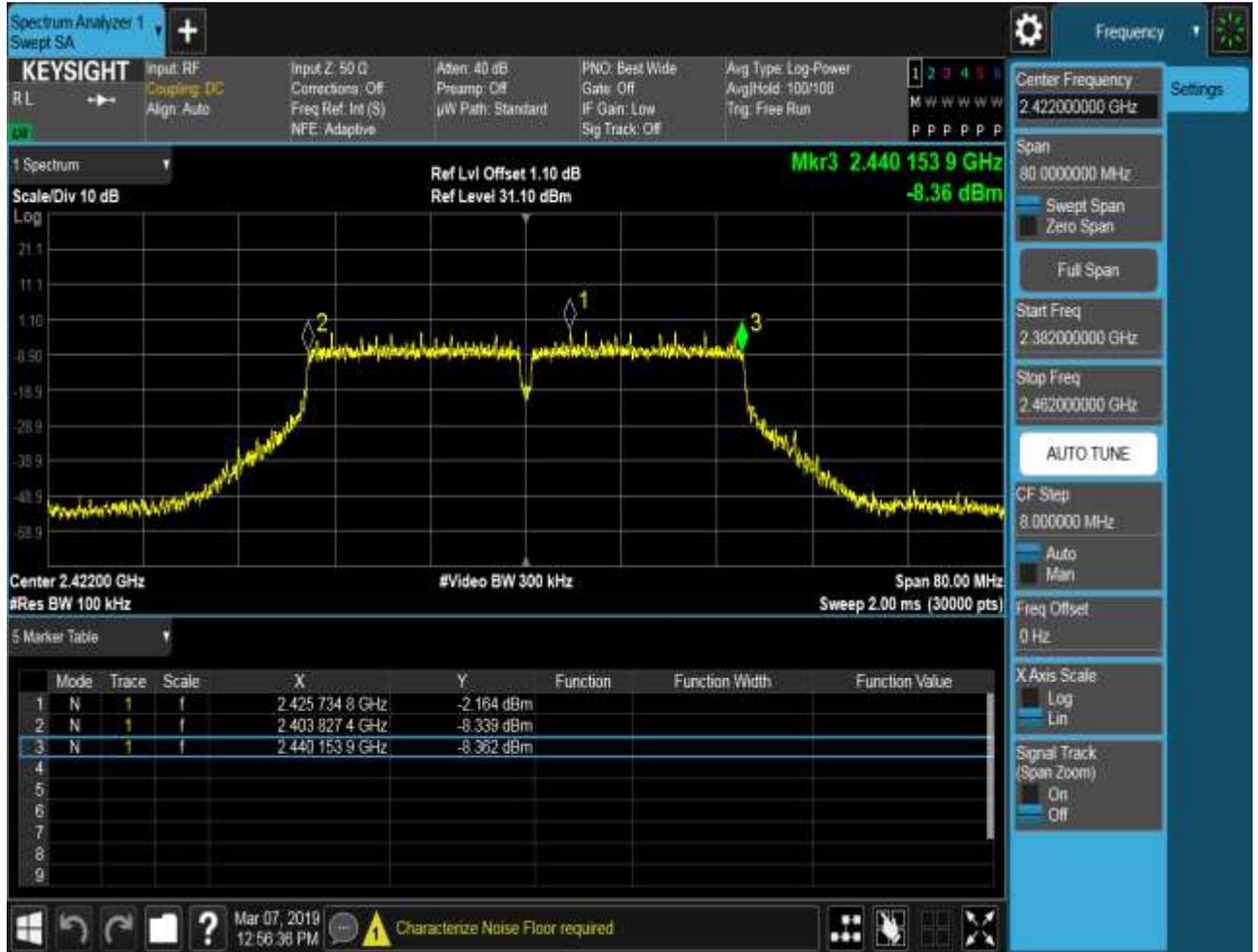


1.51 11N40MIMO_Ant1_2422



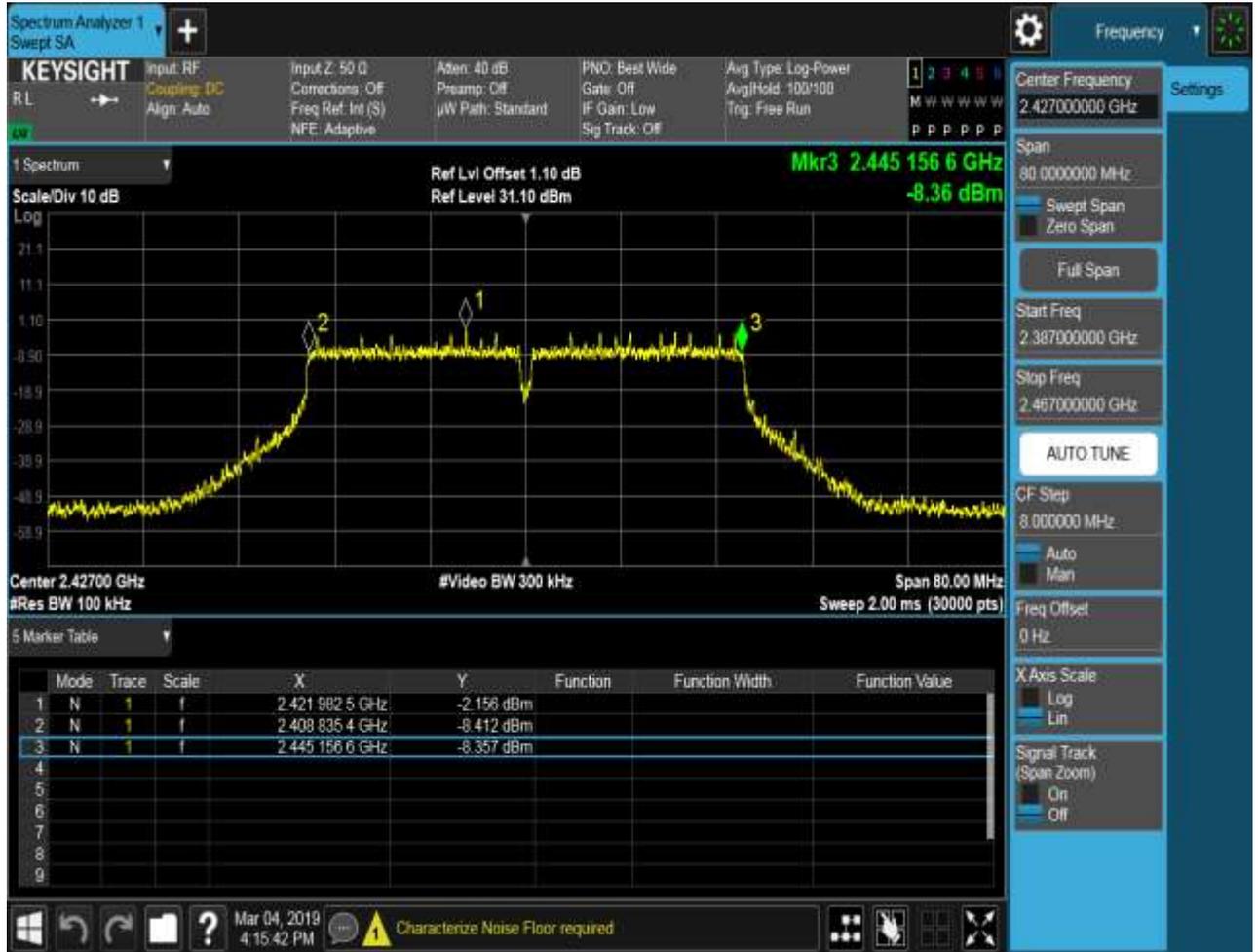


1.52 11N40MIMO_Ant2_2422



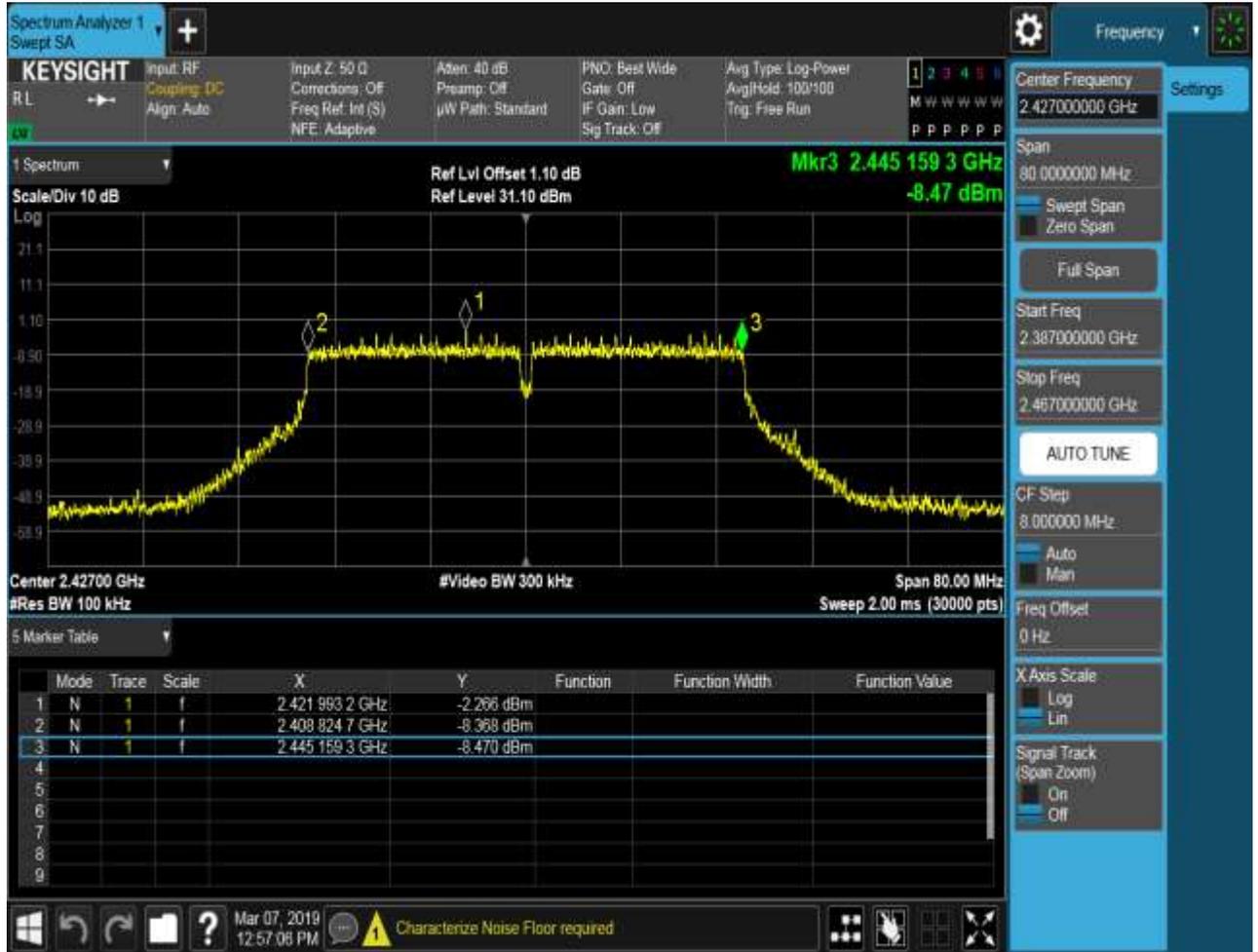


1.53 11N40MIMO_Ant1_2427





1.54 11N40MIMO_Ant2_2427



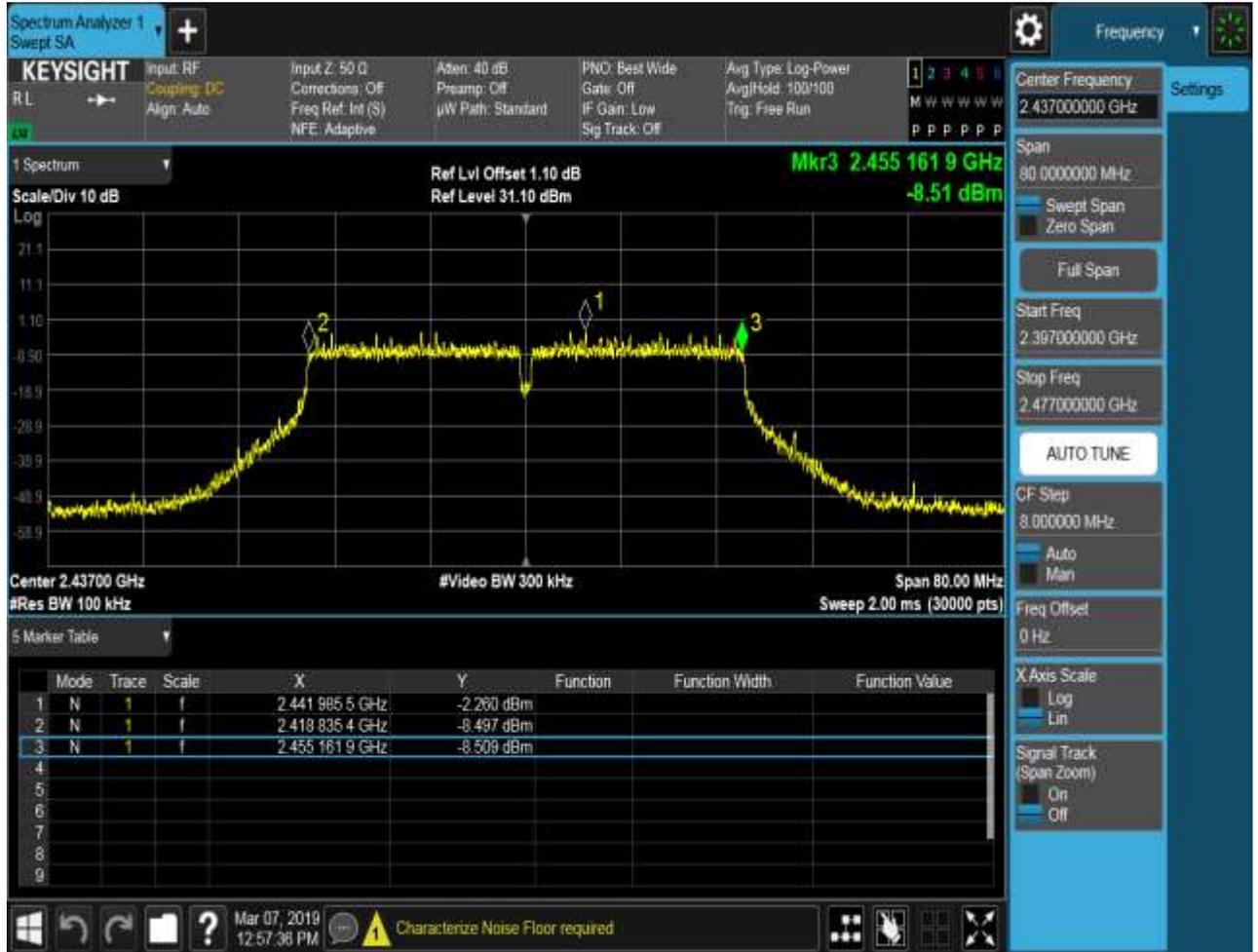


1.55 11N40MIMO_Ant1_2437





1.56 11N40MIMO_Ant2_2437



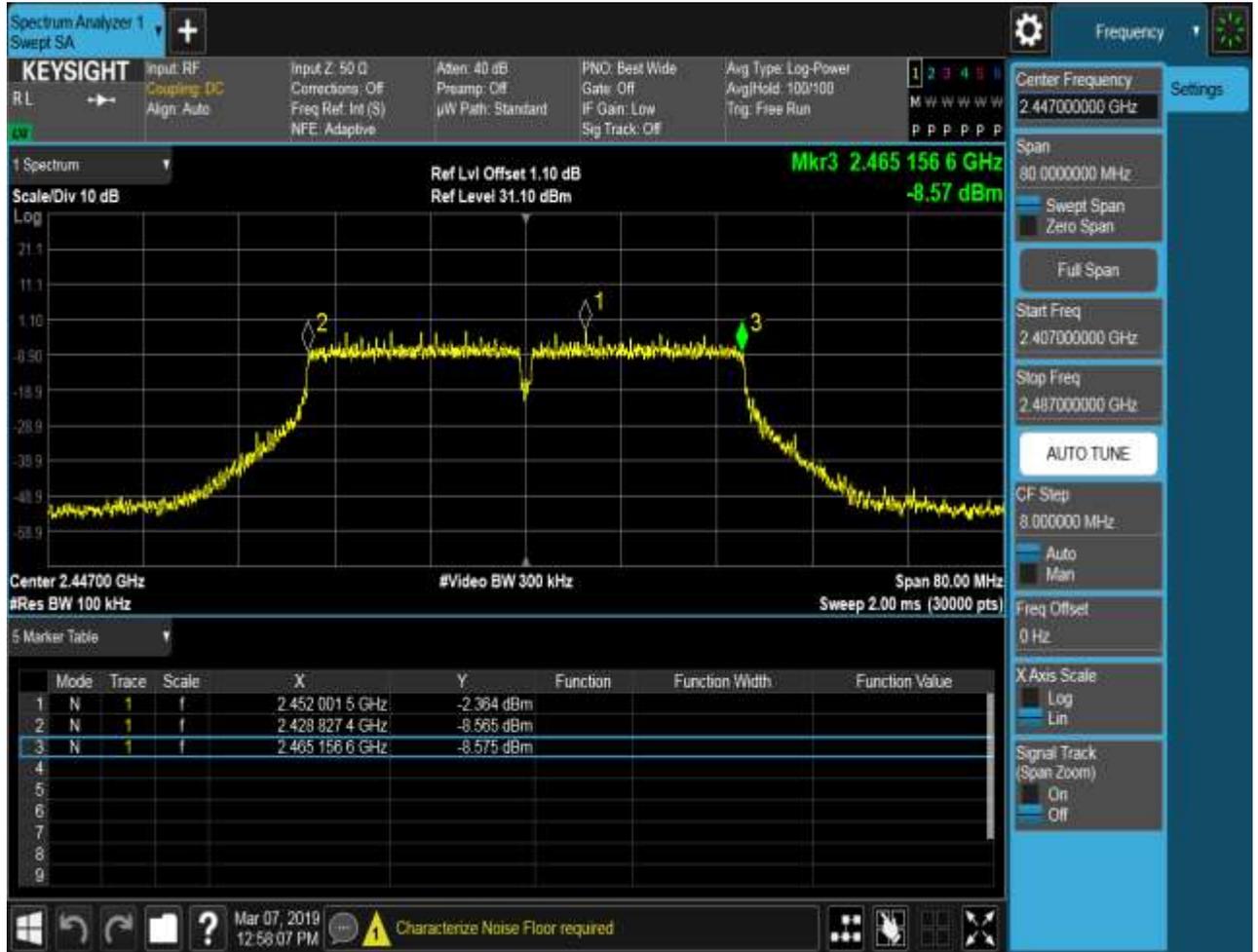


1.57 11N40MIMO_Ant1_2447





1.58 11N40MIMO_Ant2_2447



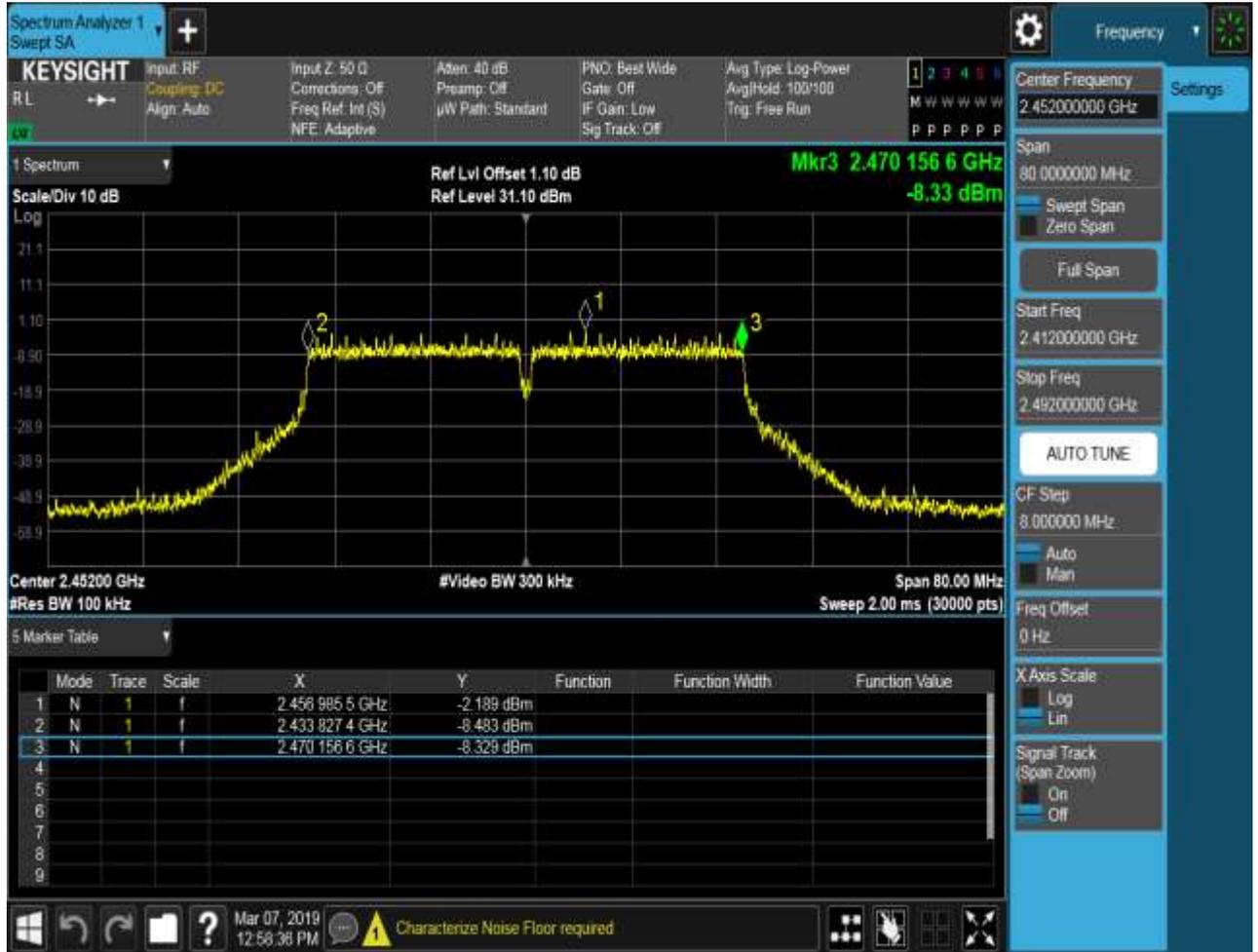


1.59 11N40MIMO_Ant1_2452





1.60 11N40MIMO_Ant2_2452





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	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.44	2405.29	2418.73	---	PASS
11B	Ant2	2412	13.44	2405.3	2418.74	---	PASS
11B	Ant1	2417	13.43	2410.3	2423.73	---	PASS
11B	Ant2	2417	13.44	2410.3	2423.74	---	PASS
11B	Ant1	2437	13.42	2430.3	2443.72	---	PASS
11B	Ant2	2437	13.42	2430.29	2443.71	---	PASS
11B	Ant1	2457	13.41	2450.29	2463.7	---	PASS
11B	Ant2	2457	13.44	2450.27	2463.71	---	PASS
11B	Ant1	2462	13.41	2455.29	2468.7	---	PASS
11B	Ant2	2462	13.42	2455.28	2468.7	---	PASS
11G	Ant1	2412	17.31	2403.37	2420.68	---	PASS
11G	Ant2	2412	17.47	2403.32	2420.79	---	PASS
11G	Ant1	2417	17.35	2408.34	2425.69	---	PASS
11G	Ant2	2417	17.48	2408.31	2425.79	---	PASS
11G	Ant1	2437	17.31	2428.35	2445.66	---	PASS
11G	Ant2	2437	17.47	2428.26	2445.73	---	PASS
11G	Ant1	2457	17.33	2448.34	2465.67	---	PASS
11G	Ant2	2457	17.44	2448.27	2465.71	---	PASS
11G	Ant1	2462	17.31	2453.35	2470.66	---	PASS
11G	Ant2	2462	17.31	2453.34	2470.65	---	PASS
11N20SISO	Ant1	2412	18.41	2402.82	2421.23	---	PASS
11N20SISO	Ant2	2412	18.47	2402.81	2421.28	---	PASS
11N20SISO	Ant1	2417	18.39	2407.84	2426.23	---	PASS
11N20SISO	Ant2	2417	18.49	2407.79	2426.28	---	PASS
11N20SISO	Ant1	2437	18.36	2427.84	2446.2	---	PASS
11N20SISO	Ant2	2437	18.4	2427.8	2446.2	---	PASS
11N20SISO	Ant1	2457	18.36	2447.83	2466.19	---	PASS
11N20SISO	Ant2	2457	18.45	2447.76	2466.21	---	PASS
11N20SISO	Ant1	2462	18.34	2452.83	2471.17	---	PASS
11N20SISO	Ant2	2462	18.38	2452.81	2471.19	---	PASS
11N20MIMO	Ant1	2412	18.38	2402.84	2421.22	---	PASS
11N20MIMO	Ant2	2412	18.06	2403.0	2421.06	---	PASS
11N20MIMO	Ant1	2417	18.32	2407.85	2426.17	---	PASS
11N20MIMO	Ant2	2417	18.11	2407.97	2426.08	---	PASS
11N20MIMO	Ant1	2437	18.34	2427.85	2446.19	---	PASS
11N20MIMO	Ant2	2437	18.07	2427.98	2446.05	---	PASS
11N20MIMO	Ant1	2457	18.34	2447.83	2466.17	---	PASS
11N20MIMO	Ant2	2457	18.06	2447.97	2466.03	---	PASS



11N20MIMO	Ant1	2462	18.39	2452.79	2471.18	---	PASS
11N20MIMO	Ant2	2462	18.06	2452.97	2471.03	---	PASS
11N40SISO	Ant1	2422	36.79	2403.63	2440.42	---	PASS
11N40SISO	Ant2	2422	36.82	2403.59	2440.41	---	PASS
11N40SISO	Ant1	2427	36.81	2408.62	2445.43	---	PASS
11N40SISO	Ant2	2427	36.75	2408.62	2445.37	---	PASS
11N40SISO	Ant1	2437	36.84	2418.61	2455.45	---	PASS
11N40SISO	Ant2	2437	36.76	2418.63	2455.39	---	PASS
11N40SISO	Ant1	2447	36.81	2428.62	2465.43	---	PASS
11N40SISO	Ant2	2447	36.79	2428.65	2465.44	---	PASS
11N40SISO	Ant1	2452	36.77	2433.62	2470.39	---	PASS
11N40SISO	Ant2	2452	36.81	2433.62	2470.43	---	PASS
11N40MIMO	Ant1	2422	36.81	2403.62	2440.43	---	PASS
11N40MIMO	Ant2	2422	36.63	2403.69	2440.32	---	PASS
11N40MIMO	Ant1	2427	36.76	2408.62	2445.38	---	PASS
11N40MIMO	Ant2	2427	36.64	2408.67	2445.31	---	PASS
11N40MIMO	Ant1	2437	36.75	2418.61	2455.36	---	PASS
11N40MIMO	Ant2	2437	36.61	2418.7	2455.31	---	PASS
11N40MIMO	Ant1	2447	36.75	2428.62	2465.37	---	PASS
11N40MIMO	Ant2	2447	36.66	2428.64	2465.3	---	PASS
11N40MIMO	Ant1	2452	36.8	2433.58	2470.38	---	PASS
11N40MIMO	Ant2	2452	36.6	2433.68	2470.28	---	PASS



Part II - Test Graphs

1.1 11B_Ant1_2412





1.2 11B_Ant2_2412





1.3 11B_Ant1_2417





1.4 11B_Ant2_2417





1.5 11B_Ant1_2437





1.6 11B_Ant2_2437





1.7 11B_Ant1_2457





1.8 11B_Ant2_2457





1.9 11B_Ant1_2462



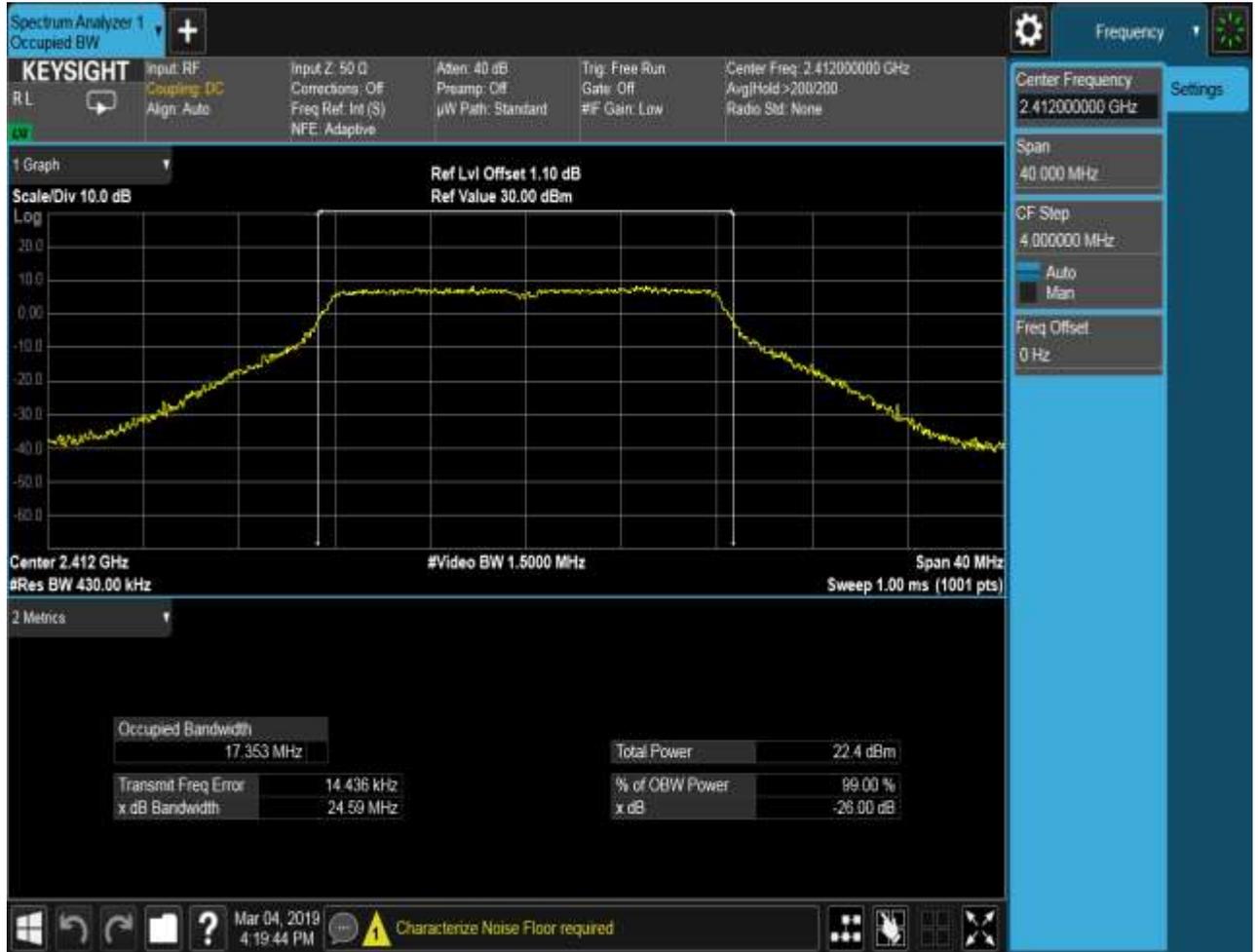


1.10 11B_Ant2_2462





1.11 11G_Ant1_2412





1.12 11G_Ant2_2412





1.13 11G_Ant1_2417





1.14 11G_Ant2_2417





1.15 11G_Ant1_2437



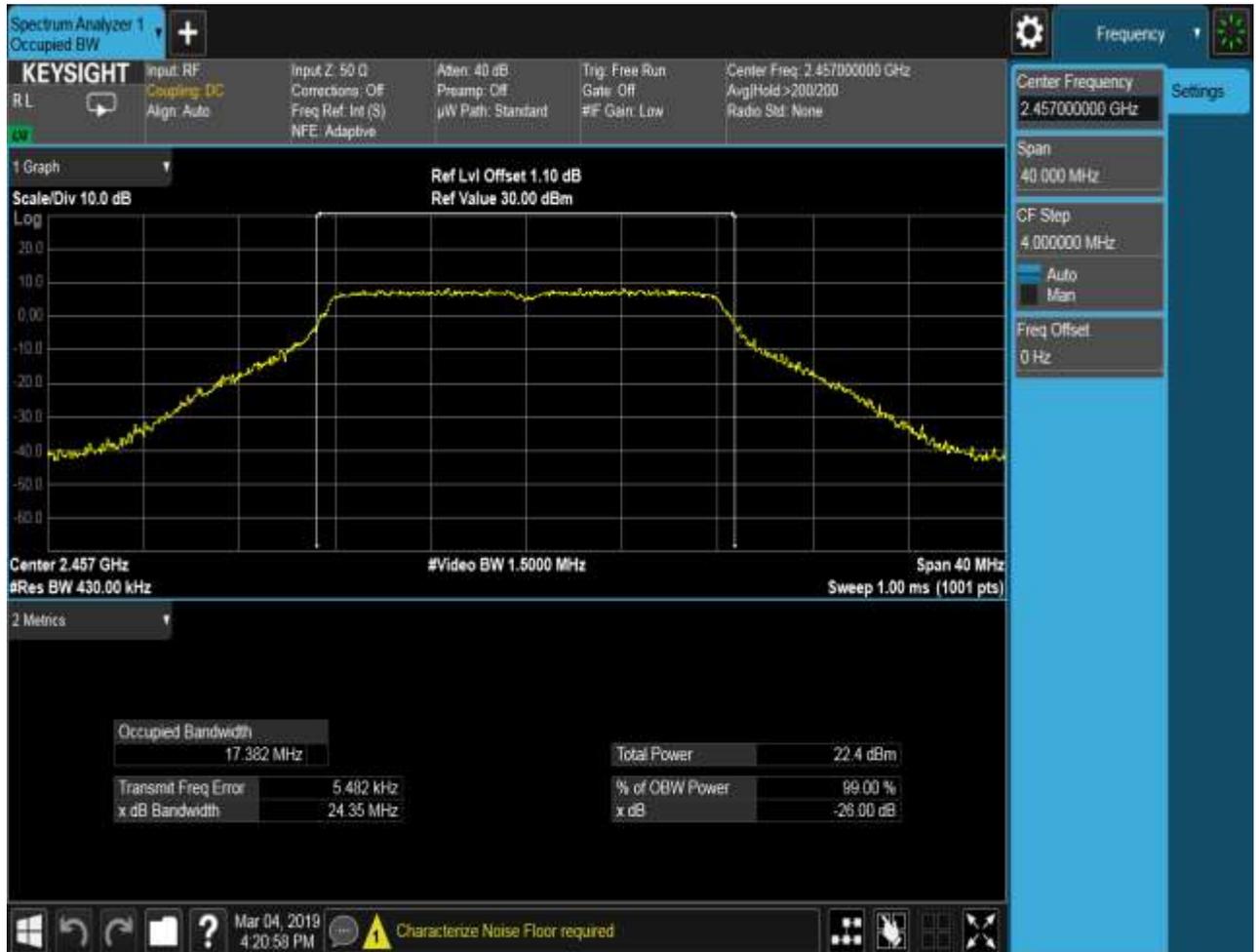


1.16 11G_Ant2_2437



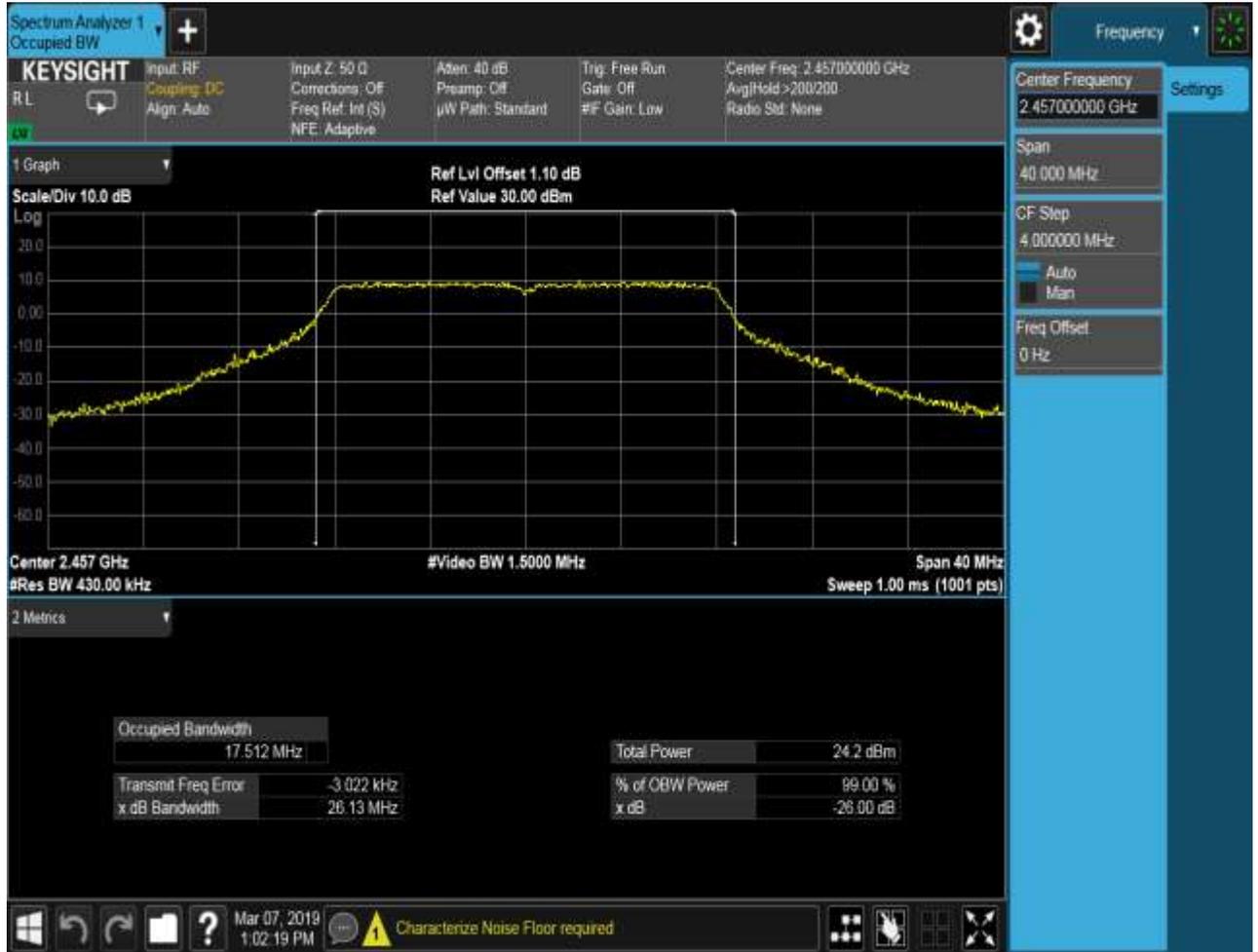


1.17 11G_Ant1_2457





1.18 11G_Ant2_2457





1.19 11G_Ant1_2462



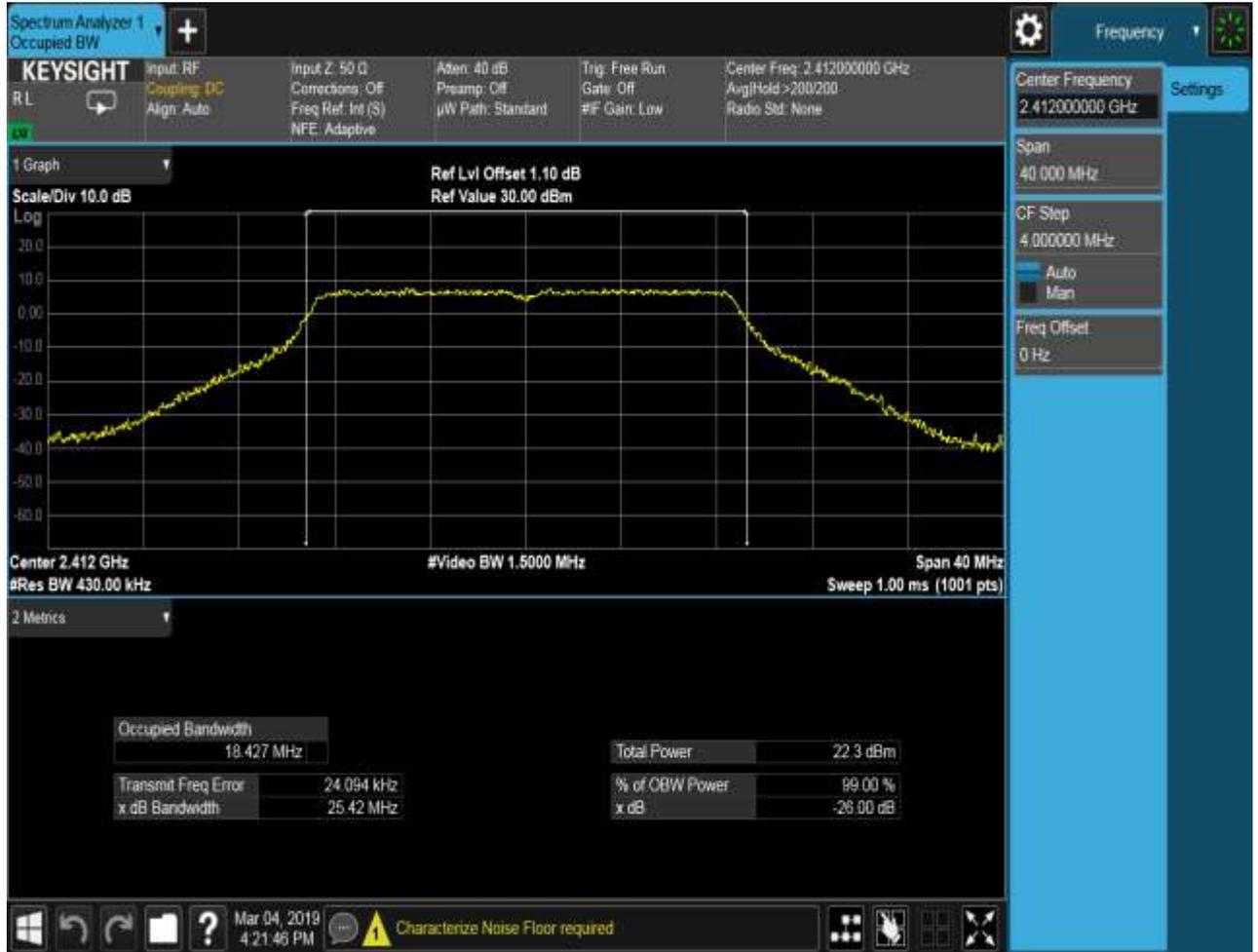


1.20 11G_Ant2_2462



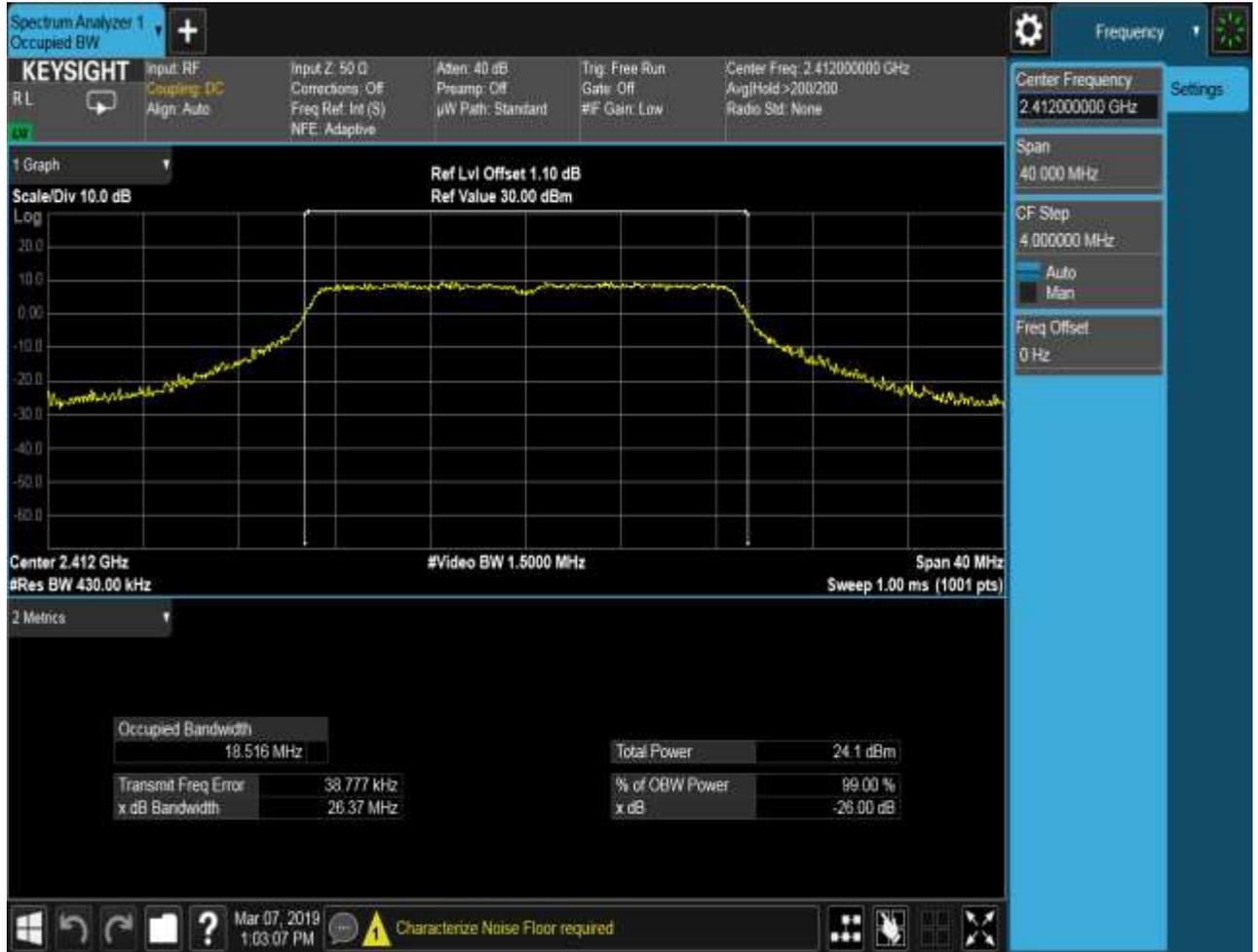


1.21 11N20SISO_Ant1_2412





1.22 11N20SISO_Ant2_2412





1.23 11N20SISO_Ant1_2417





1.24 11N20SISO_Ant2_2417





1.25 11N20SISO_Ant1_2437





1.26 11N20SISO_Ant2_2437





1.27 11N20SISO_Ant1_2457





1.28 11N20SISO_Ant2_2457





1.29 11N20SISO_Ant1_2462





1.30 11N20SISO_Ant2_2462





1.31 11N40SISO_Ant1_2422





1.32 11N40SISO_Ant2_2422





1.33 11N40SISO_Ant1_2427





1.34 11N40SISO_Ant2_2427





1.35 11N40SISO_Ant1_2437





1.36 11N40SISO_Ant2_2437





1.37 11N40SISO_Ant1_2447





1.38 11N40SISO_Ant2_2447





1.39 11N40SISO_Ant1_2452





1.40 11N40SISO_Ant2_2452



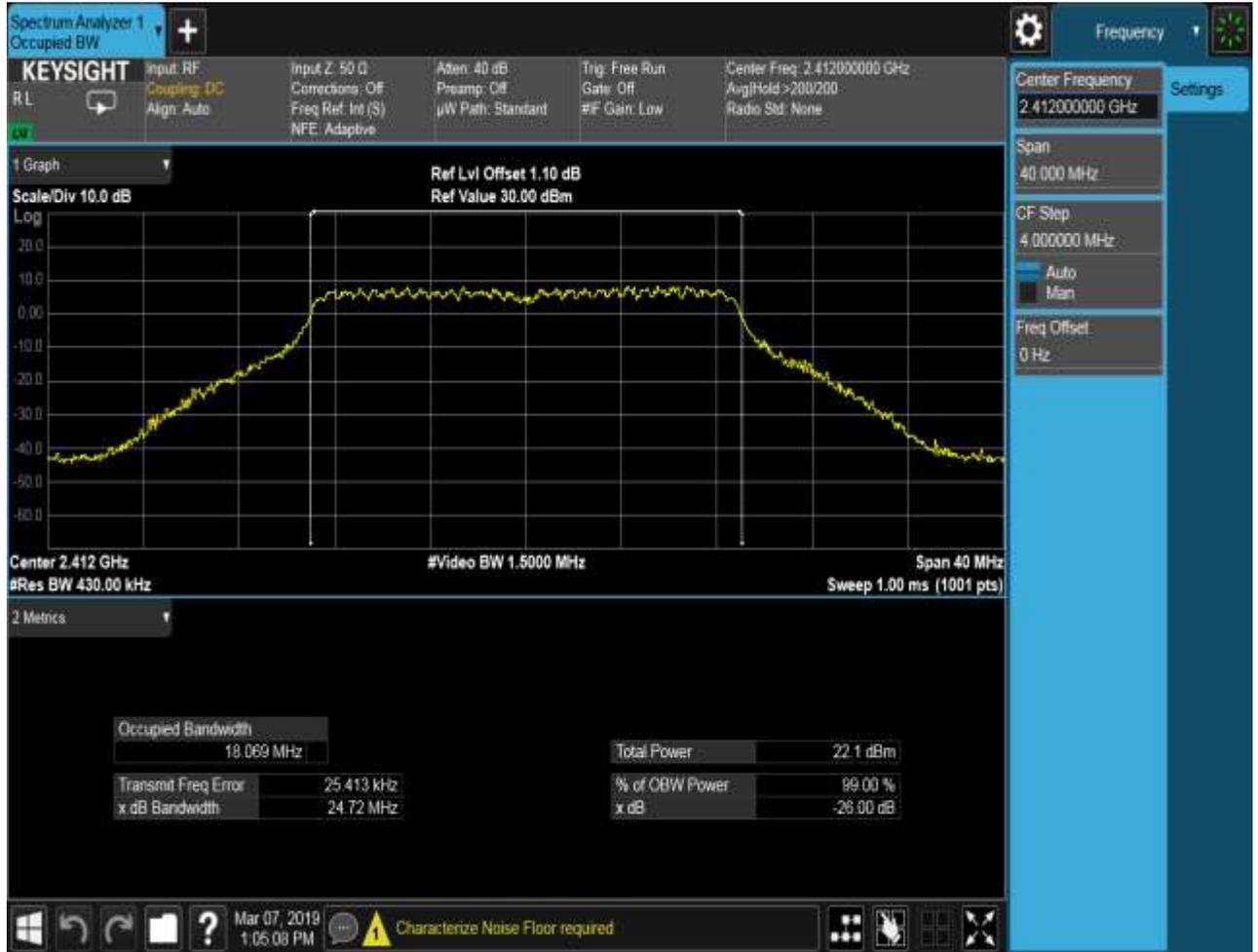


1.41 11N20MIMO_Ant1_2412





1.42 11N20MIMO_Ant2_2412



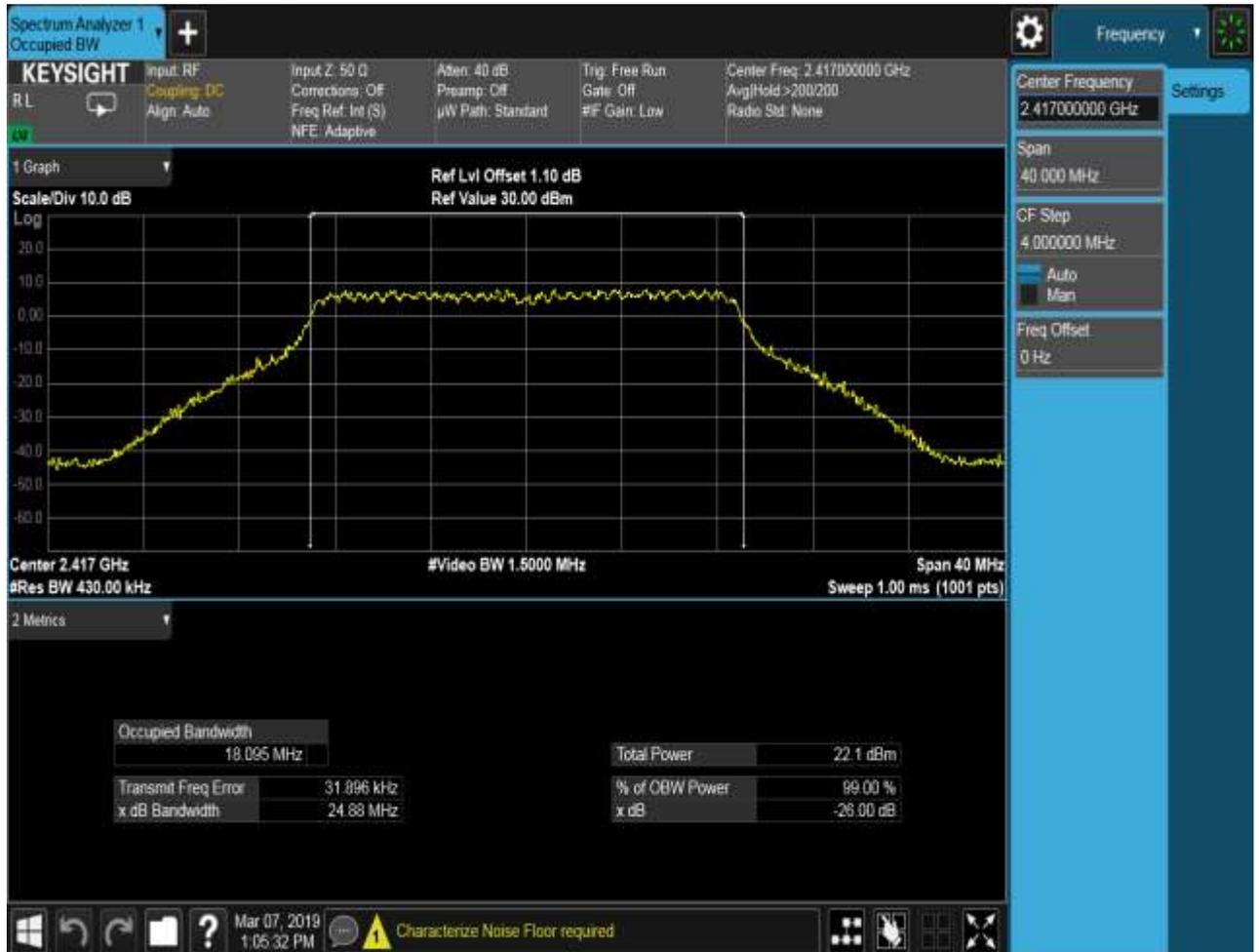


1.43 11N20MIMO_Ant1_2417





1.44 11N20MIMO_Ant2_2417





1.45 11N20MIMO_Ant1_2437





1.46 11N20MIMO_Ant2_2437





1.47 11N20MIMO_Ant1_2457





1.48 11N20MIMO_Ant2_2457





1.49 11N20MIMO_Ant1_2462



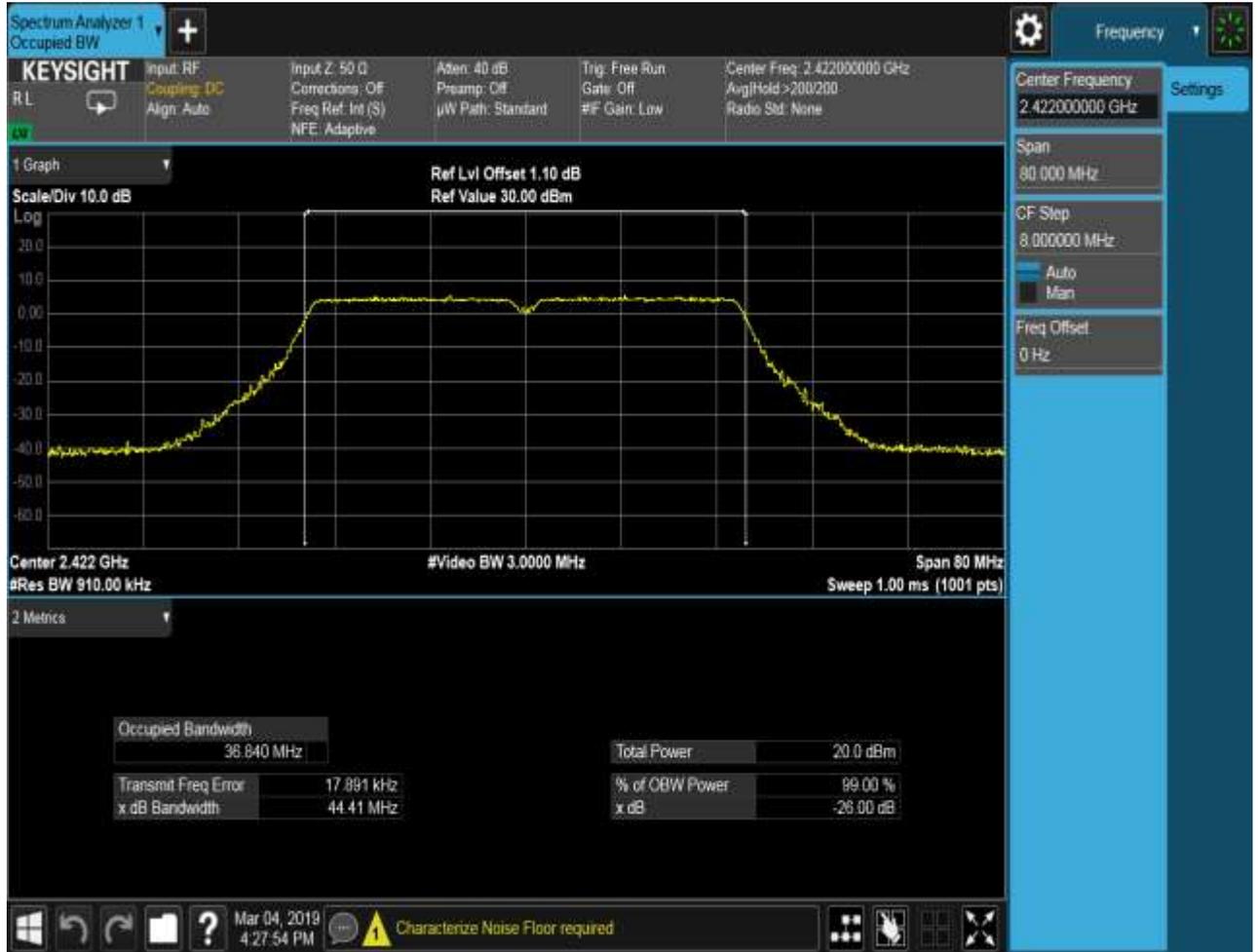


1.50 11N20MIMO_Ant2_2462





1.51 11N40MIMO_Ant1_2422





1.52 11N40MIMO_Ant2_2422





1.53 11N40MIMO_Ant1_2427



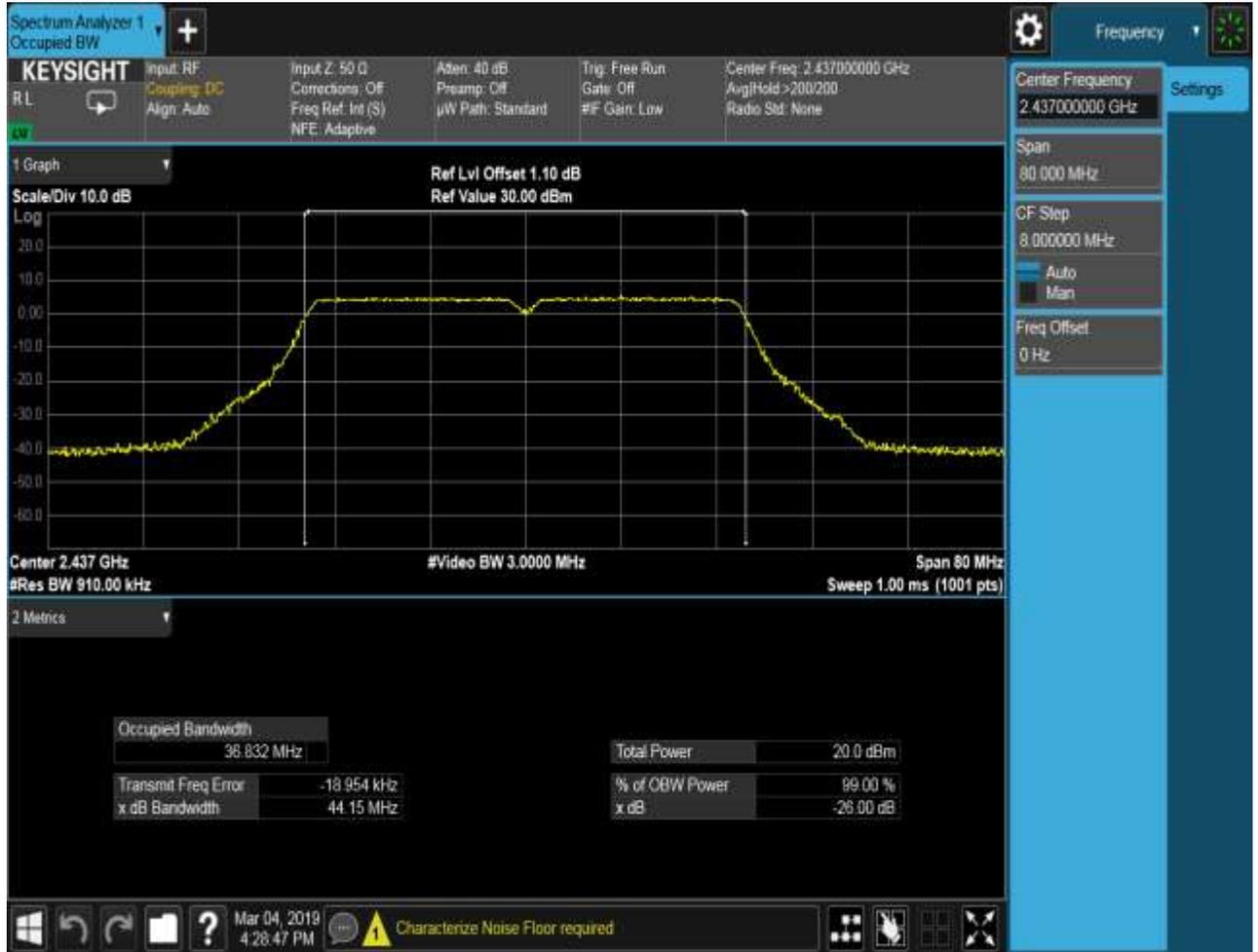


1.54 11N40MIMO_Ant2_2427

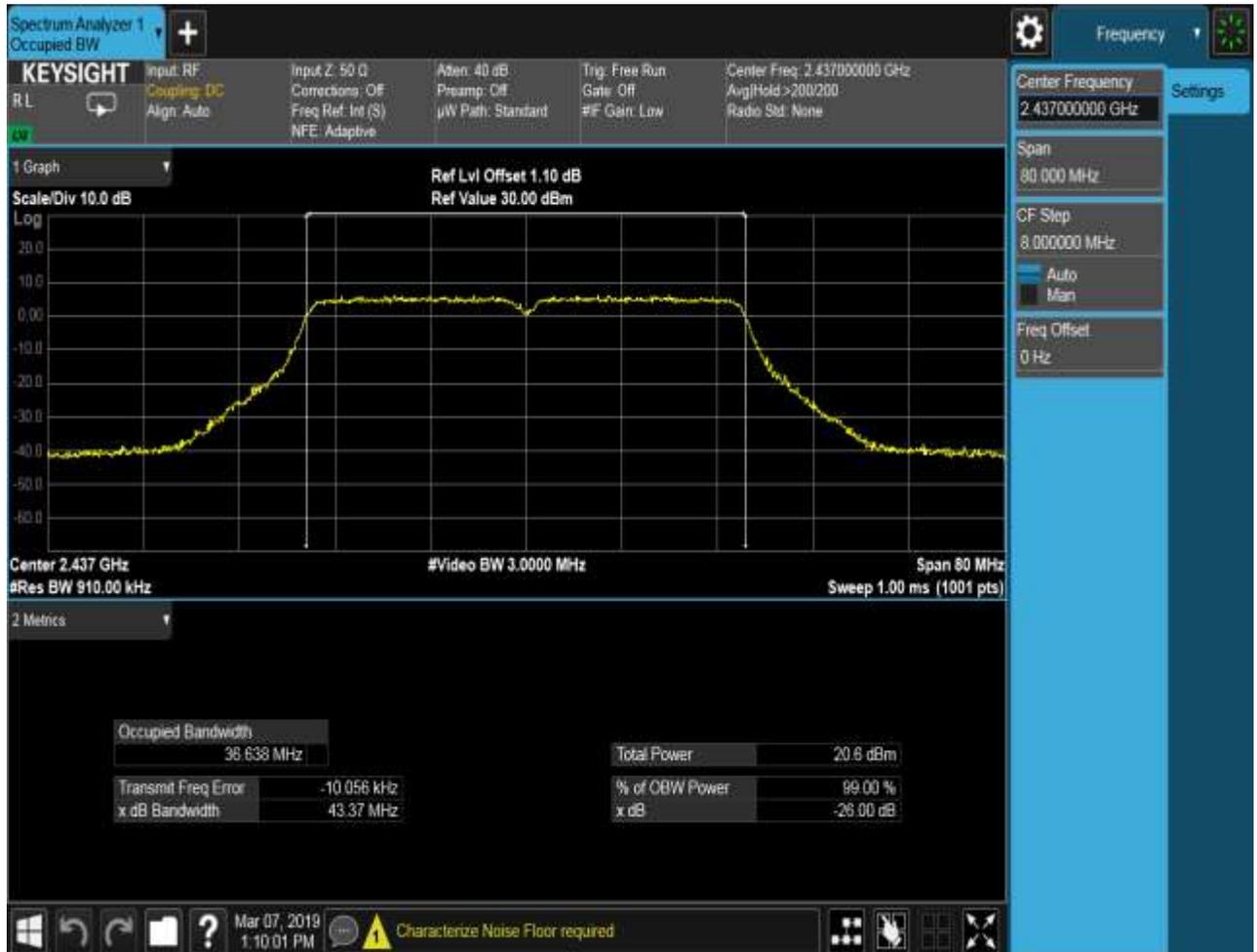




1.55 11N40MIMO_Ant1_2437



1.56 11N40MIMO_Ant2_2437





1.57 11N40MIMO_Ant1_2447





1.59 11N40MIMO_Ant1_2452





1.60 11N40MIMO_Ant2_2452





Appendix C: Duty Cycle

Part I - Test Results

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty cycle [%]	Limit	Verdict
11B	Ant1	2412	12.323	12.573	98.01	---	PASS
11B	Ant2	2412	12.323	12.575	97.99	---	PASS
11B	Ant1	2417	12.323	12.573	98.01	---	PASS
11B	Ant2	2417	12.323	12.573	98.01	---	PASS
11B	Ant1	2437	12.323	12.573	98.01	---	PASS
11B	Ant2	2437	12.323	12.575	97.99	---	PASS
11B	Ant1	2457	12.323	12.573	98.01	---	PASS
11B	Ant2	2457	12.323	12.575	97.99	---	PASS
11B	Ant1	2462	12.323	12.573	98.01	---	PASS
11B	Ant2	2462	12.323	12.575	97.99	---	PASS
11G	Ant1	2412	2.049	2.094	97.86	---	PASS
11G	Ant2	2412	2.049	2.095	97.81	---	PASS
11G	Ant1	2417	2.049	2.094	97.86	---	PASS
11G	Ant2	2417	2.049	2.094	97.86	---	PASS
11G	Ant1	2437	2.049	2.094	97.86	---	PASS
11G	Ant2	2437	2.049	2.094	97.86	---	PASS
11G	Ant1	2457	2.049	2.094	97.86	---	PASS
11G	Ant2	2457	2.049	2.094	97.86	---	PASS
11G	Ant1	2462	2.049	2.094	97.86	---	PASS
11G	Ant2	2462	2.049	2.094	97.86	---	PASS
11N20SISO	Ant1	2412	1.909	1.952	97.81	---	PASS
11N20SISO	Ant2	2412	1.909	1.952	97.81	---	PASS
11N20SISO	Ant1	2417	1.909	1.952	97.81	---	PASS
11N20SISO	Ant2	2417	1.909	1.952	97.81	---	PASS
11N20SISO	Ant1	2437	1.909	1.952	97.81	---	PASS
11N20SISO	Ant2	2437	1.909	1.952	97.81	---	PASS
11N20SISO	Ant1	2457	1.909	1.952	97.81	---	PASS
11N20SISO	Ant2	2457	1.909	1.952	97.81	---	PASS
11N20SISO	Ant1	2462	1.91	1.952	97.87	---	PASS
11N20SISO	Ant2	2462	1.909	1.952	97.81	---	PASS
11N20MIMO	Ant1	2412	0.978	1.025	95.42	---	PASS
11N20MIMO	Ant2	2412	0.978	1.024	95.52	---	PASS
11N20MIMO	Ant1	2417	0.978	1.024	95.52	---	PASS
11N20MIMO	Ant2	2417	0.977	1.024	95.42	---	PASS
11N20MIMO	Ant1	2437	0.977	1.024	95.42	---	PASS
11N20MIMO	Ant2	2437	0.977	1.024	95.42	---	PASS
11N20MIMO	Ant1	2457	0.978	1.024	95.52	---	PASS
11N20MIMO	Ant2	2457	0.977	1.024	95.42	---	PASS
11N20MIMO	Ant1	2462	0.977	1.024	95.42	---	PASS



11N20MIMO	Ant2	2462	0.978	1.025	95.42	---	PASS
11N40SISO	Ant1	2422	0.938	0.976	96.07	---	PASS
11N40SISO	Ant2	2422	0.938	0.976	96.07	---	PASS
11N40SISO	Ant1	2427	0.938	0.977	95.96	---	PASS
11N40SISO	Ant2	2427	0.938	0.977	95.96	---	PASS
11N40SISO	Ant1	2437	0.938	0.976	96.07	---	PASS
11N40SISO	Ant2	2437	0.937	0.976	95.96	---	PASS
11N40SISO	Ant1	2447	0.938	0.976	96.07	---	PASS
11N40SISO	Ant2	2447	0.937	0.976	95.96	---	PASS
11N40SISO	Ant1	2452	0.938	0.976	96.07	---	PASS
11N40SISO	Ant2	2452	0.937	0.976	95.96	---	PASS
11N40MIMO	Ant1	2422	0.493	0.585	84.31	---	PASS
11N40MIMO	Ant2	2422	0.493	0.586	84.15	---	PASS
11N40MIMO	Ant1	2427	0.494	0.587	84.18	---	PASS
11N40MIMO	Ant2	2427	0.493	0.586	84.15	---	PASS
11N40MIMO	Ant1	2437	0.493	0.585	84.31	---	PASS
11N40MIMO	Ant2	2437	0.493	0.586	84.15	---	PASS
11N40MIMO	Ant1	2447	0.493	0.586	84.15	---	PASS
11N40MIMO	Ant2	2447	0.493	0.586	84.15	---	PASS
11N40MIMO	Ant1	2452	0.493	0.585	84.31	---	PASS
11N40MIMO	Ant2	2452	0.493	0.586	84.15	---	PASS



Part II - Test Graphs

1.1 11B_Ant1_2412





1.2 11B_Ant2_2412





1.3 11B_Ant1_2417





1.4 11B_Ant2_2417





1.5 11B_Ant1_2437





1.6 11B_Ant2_2437





1.7 11B_Ant1_2457





1.8 11B_Ant2_2457





1.9 11B_Ant1_2462





1.10 11B_Ant2_2462





1.11 11G_Ant1_2412





1.12 11G_Ant2_2412

