

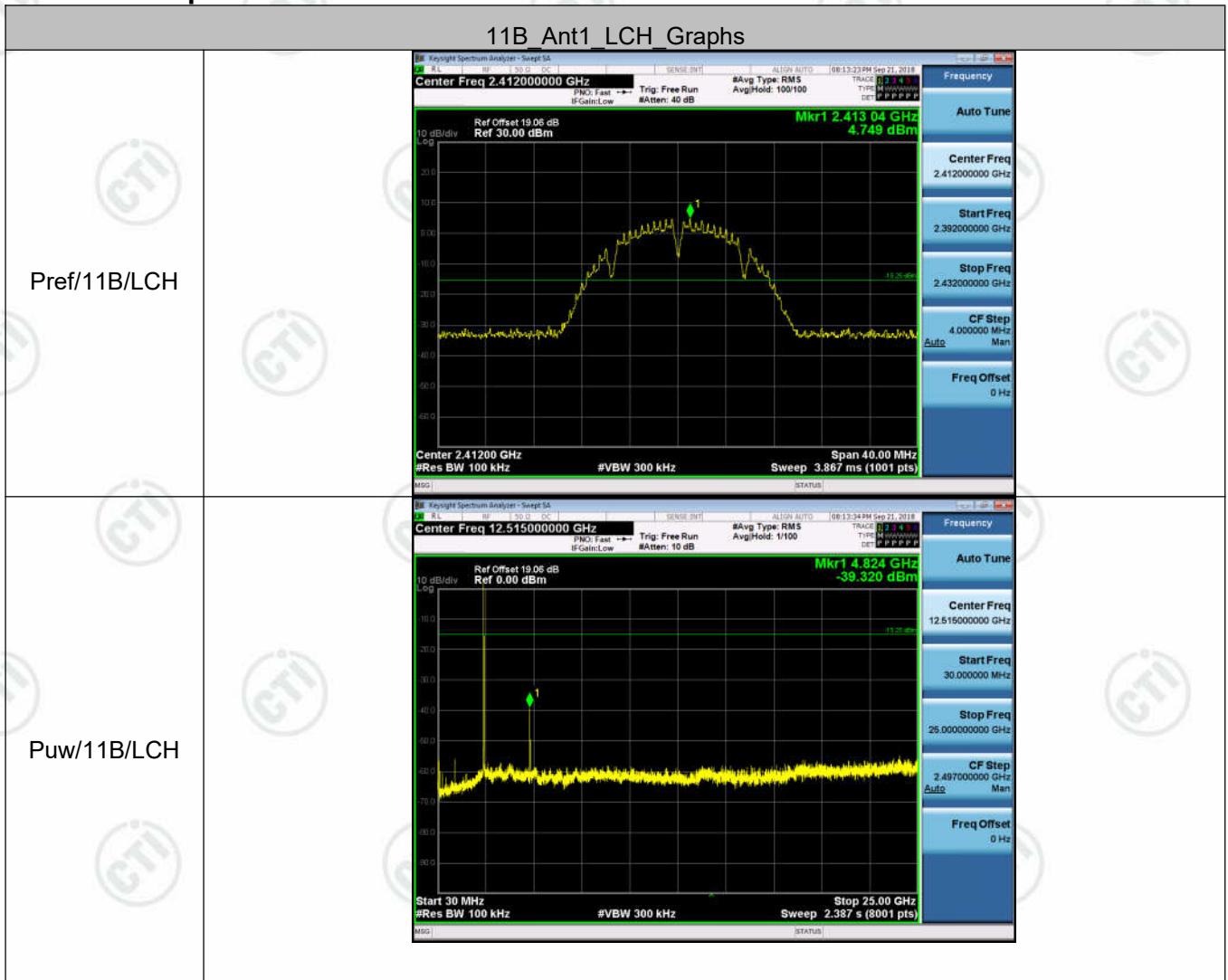
Appendix D): RF Conducted Spurious Emissions

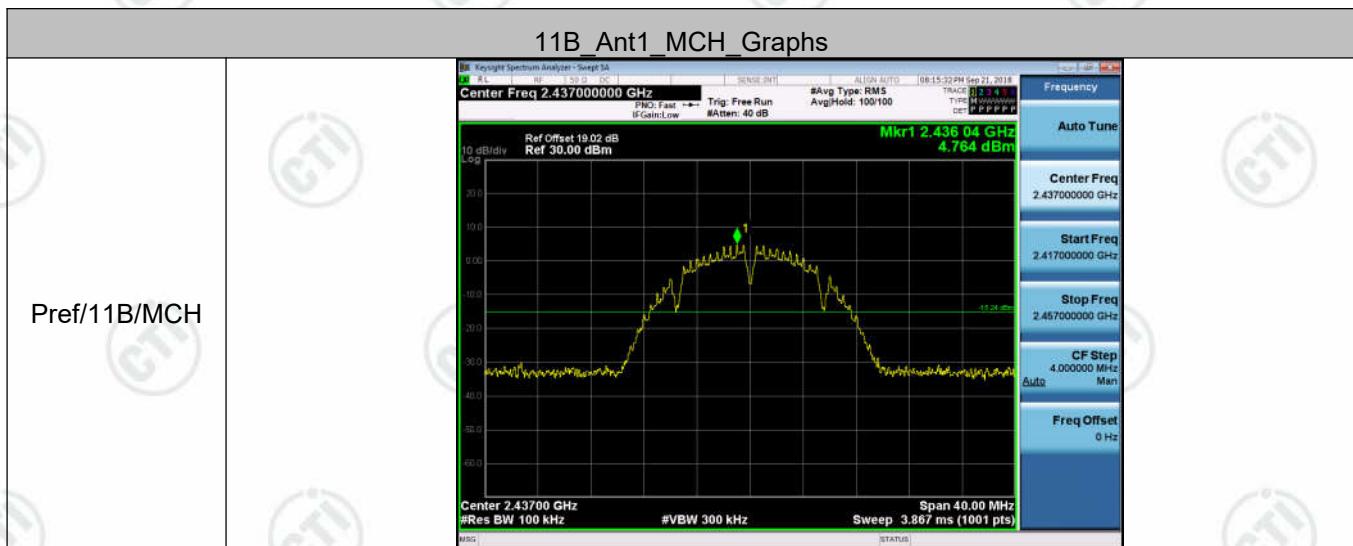
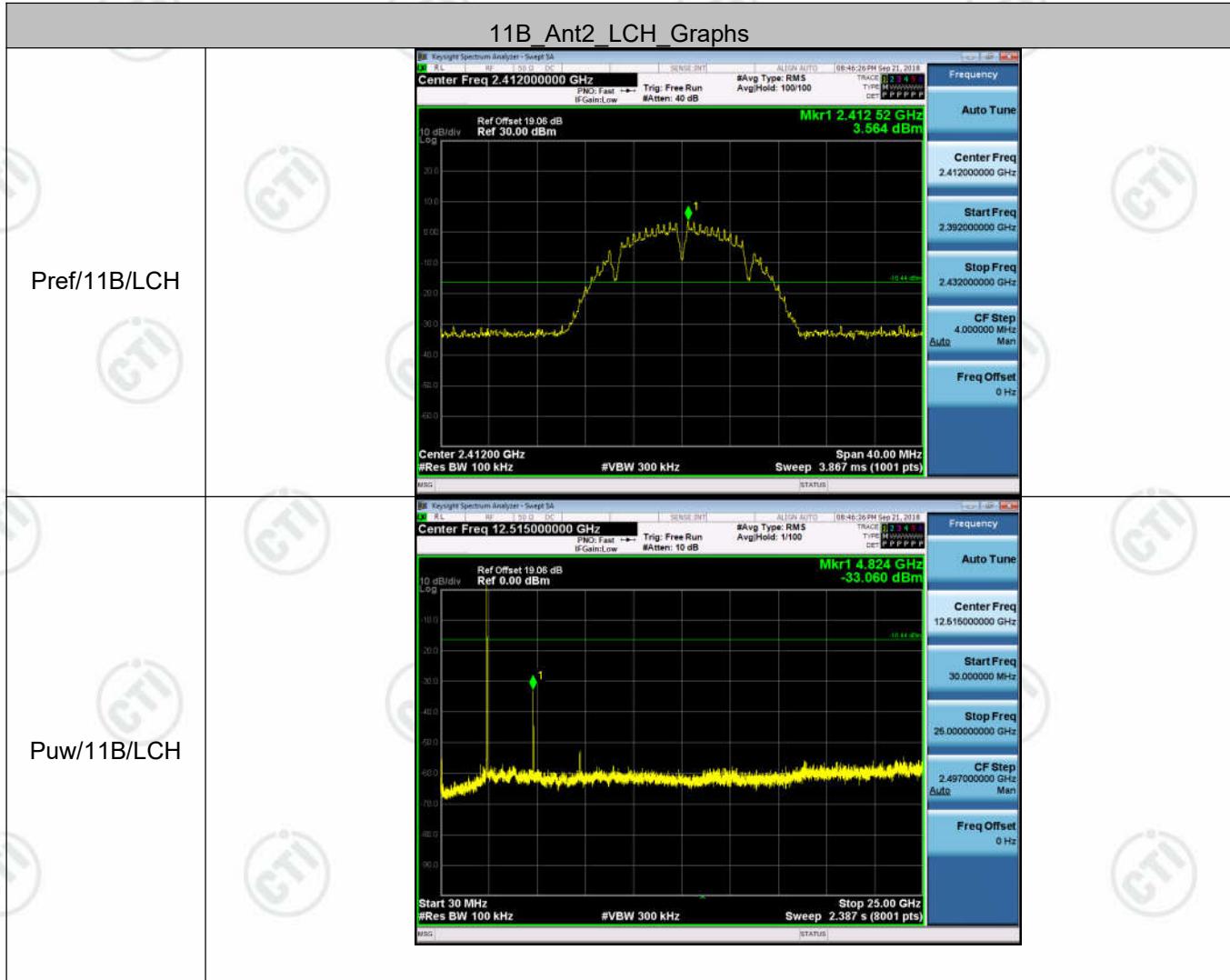
Result Table

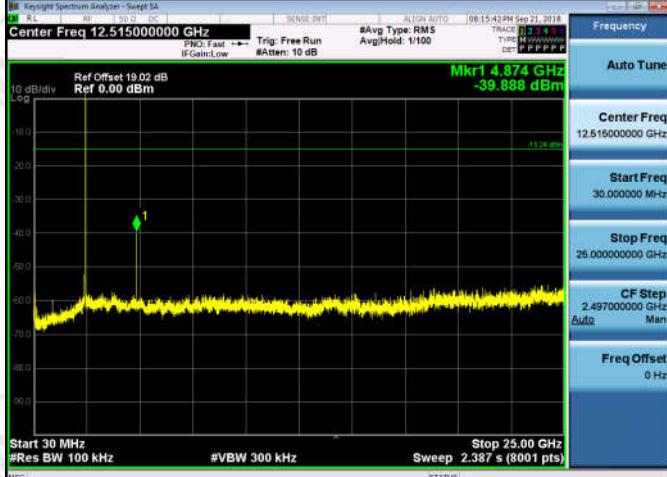
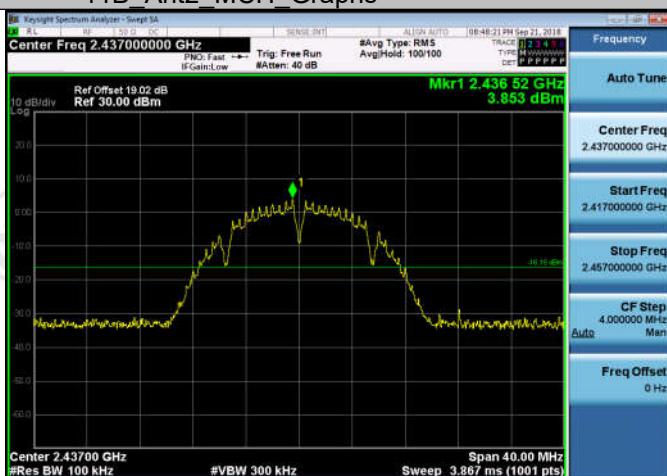
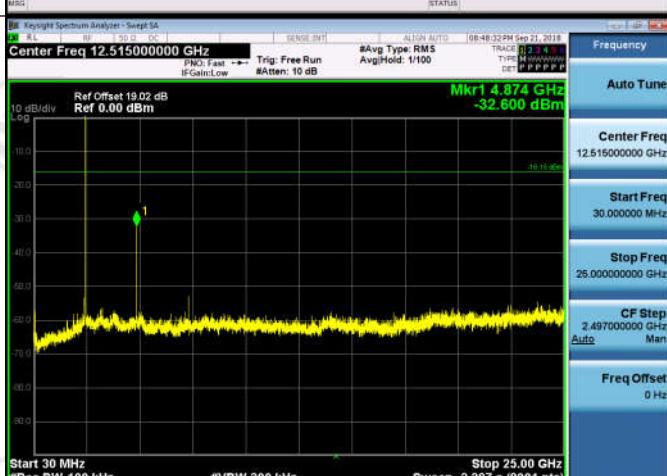
Mode	Antenna	Channel	Pref [dBm]	Puw[dBm]	Verdict
11B	Ant1	LCH	4.749	<Limit	PASS
11B	Ant2	LCH	3.564	<Limit	PASS
11B	Ant1	MCH	4.764	<Limit	PASS
11B	Ant2	MCH	3.853	<Limit	PASS
11B	Ant1	HCH	5.109	<Limit	PASS
11B	Ant2	HCH	3.472	<Limit	PASS
11G	Ant1	LCH	-4.043	<Limit	PASS
11G	Ant2	LCH	-5.39	<Limit	PASS
11G	Ant1	MCH	-3.882	<Limit	PASS
11G	Ant2	MCH	-5.457	<Limit	PASS
11G	Ant1	HCH	-3.59	<Limit	PASS
11G	Ant2	HCH	-5.016	<Limit	PASS
11N20SISO	Ant1	LCH	-6.094	<Limit	PASS
11N20SISO	Ant2	LCH	-7.185	<Limit	PASS
11N20SISO	Ant1	MCH	-6.061	<Limit	PASS
11N20SISO	Ant2	MCH	-7.161	<Limit	PASS
11N20SISO	Ant1	HCH	-5.256	<Limit	PASS
11N20SISO	Ant2	HCH	-6.913	<Limit	PASS
11N20MIMO	Ant1	LCH	-8.279	<Limit	PASS
11N20MIMO	Ant2	LCH	-8.341	<Limit	PASS
11N20MIMO	Ant1	MCH	-8.04	<Limit	PASS
11N20MIMO	Ant2	MCH	-7.999	<Limit	PASS
11N20MIMO	Ant1	HCH	-7.78	<Limit	PASS
11N20MIMO	Ant2	HCH	-8.227	<Limit	PASS
11N40SISO	Ant1	LCH	-9.589	<Limit	PASS
11N40SISO	Ant2	LCH	-10.206	<Limit	PASS
11N40SISO	Ant1	MCH	-8.799	<Limit	PASS
11N40SISO	Ant2	MCH	-10.349	<Limit	PASS
11N40SISO	Ant1	HCH	-8.944	<Limit	PASS
11N40SISO	Ant2	HCH	-10.38	<Limit	PASS
11N40MIMO	Ant1	LCH	-11.293	<Limit	PASS
11N40MIMO	Ant2	LCH	-10.784	<Limit	PASS
11N40MIMO	Ant1	MCH	-10.92	<Limit	PASS

11N40MIMO	Ant2	MCH	-11.489	<Limit	PASS
11N40MIMO	Ant1	HCH	-11.302	<Limit	PASS
11N40MIMO	Ant2	HCH	-11.657	<Limit	PASS

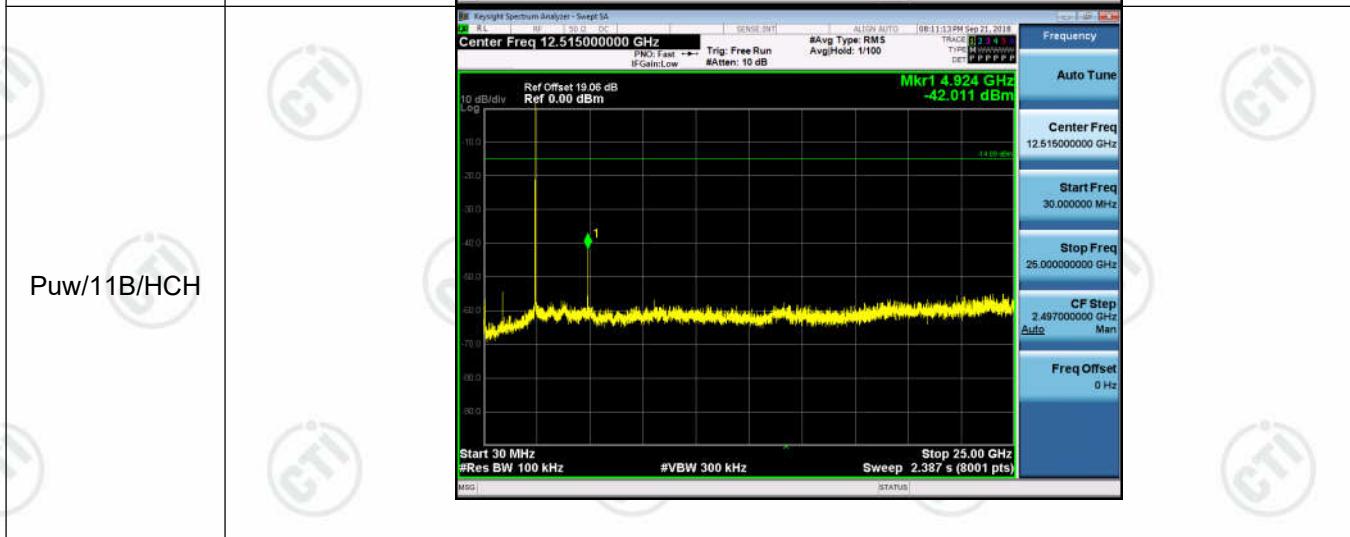
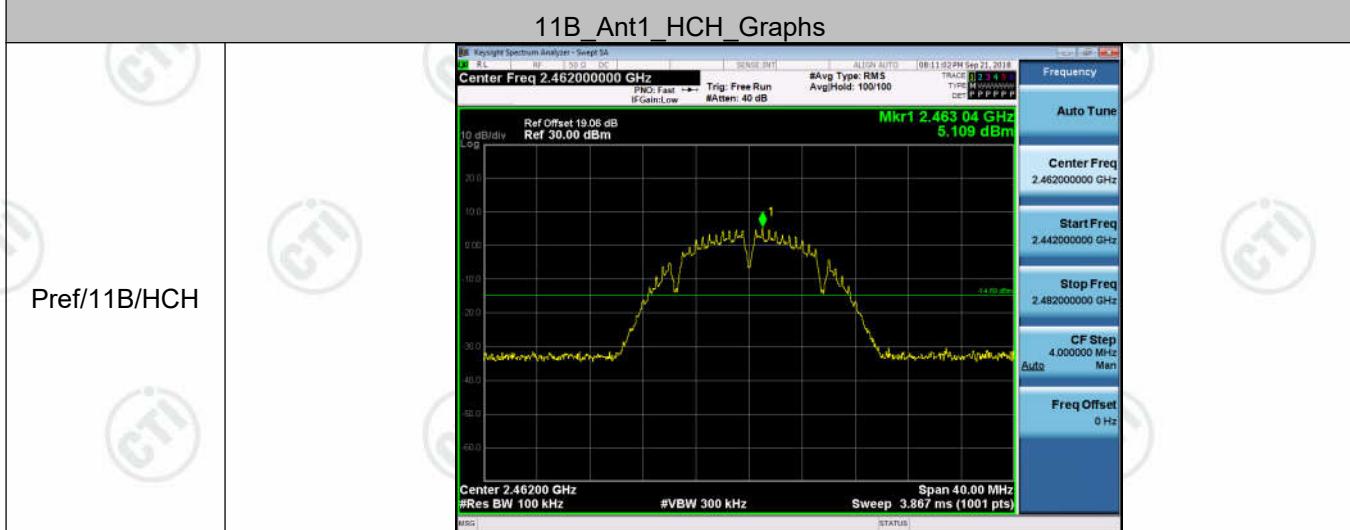
Test Graph





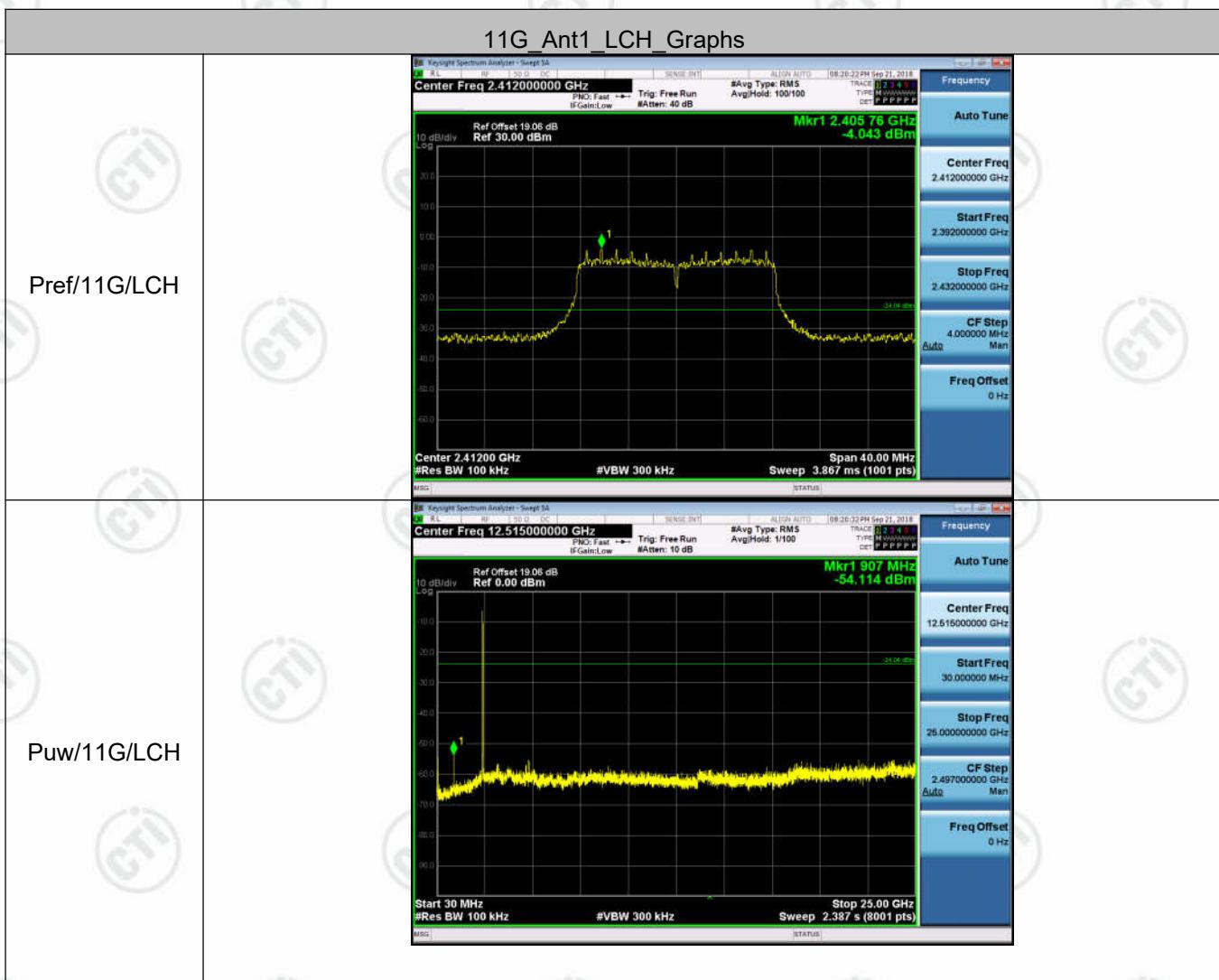
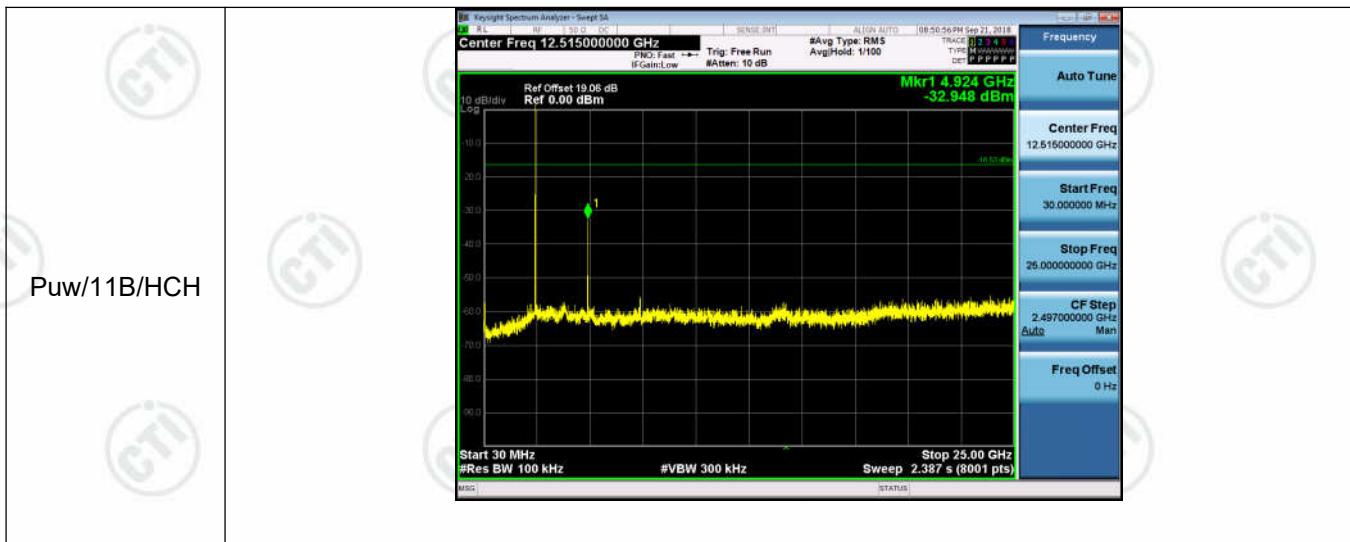
Puw/11B/MCH	 <p>Keylight Spectrum Analyzer - Sweep SA</p> <p>Center Freq 12.515000000 GHz</p> <p>Ref Offset 19.02 dB</p> <p>Ref 0.00 dBm</p> <p>Mkr1 4.874 GHz -39.888 dBm</p> <p>Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Stop 25.00 GHz Sweep 2.387 s (8001 pts)</p> <p>Frequency Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq 25.000000000 GHz CF Step 2.497000000 GHz Auto Freq Offset 0 Hz</p>
Pref/11B/MCH	 <p>Keylight Spectrum Analyzer - Sweep SA</p> <p>Center Freq 2.437000000 GHz</p> <p>Ref Offset 19.02 dB</p> <p>Ref 30.00 dBm</p> <p>Mkr1 2.436 52 GHz 3.853 dBm</p> <p>Start 2.43700 GHz #Res BW 100 kHz #VBW 300 kHz Stop 2.467000000 GHz Sweep 3.867 ms (1001 pts)</p> <p>Frequency Auto Tune Center Freq 2.437000000 GHz Start Freq 2.417000000 GHz Stop Freq 2.467000000 GHz CF Step 4.000000 MHz Auto Freq Offset 0 Hz</p>
Puw/11B/MCH	 <p>Keylight Spectrum Analyzer - Sweep SA</p> <p>Center Freq 12.515000000 GHz</p> <p>Ref Offset 19.02 dB</p> <p>Ref 0.00 dBm</p> <p>Mkr1 4.874 GHz -32.600 dBm</p> <p>Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Stop 25.00 GHz Sweep 2.387 s (8001 pts)</p> <p>Frequency Auto Tune Center Freq 12.515000000 GHz Start Freq 30.000000 MHz Stop Freq 25.000000000 GHz CF Step 2.497000000 GHz Auto Freq Offset 0 Hz</p>

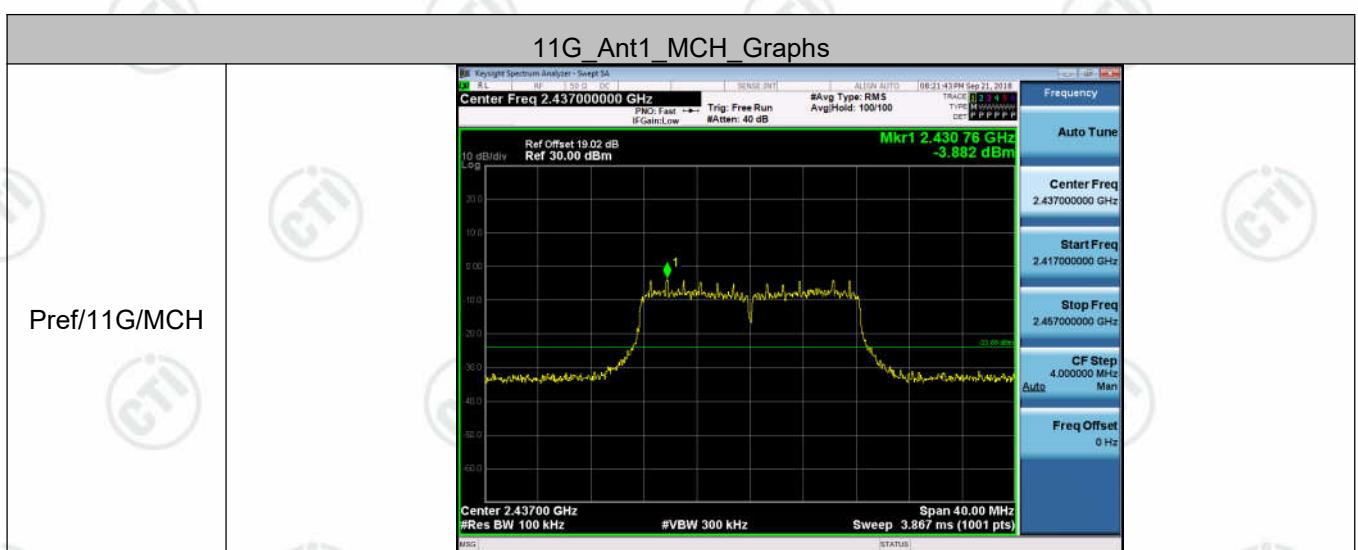
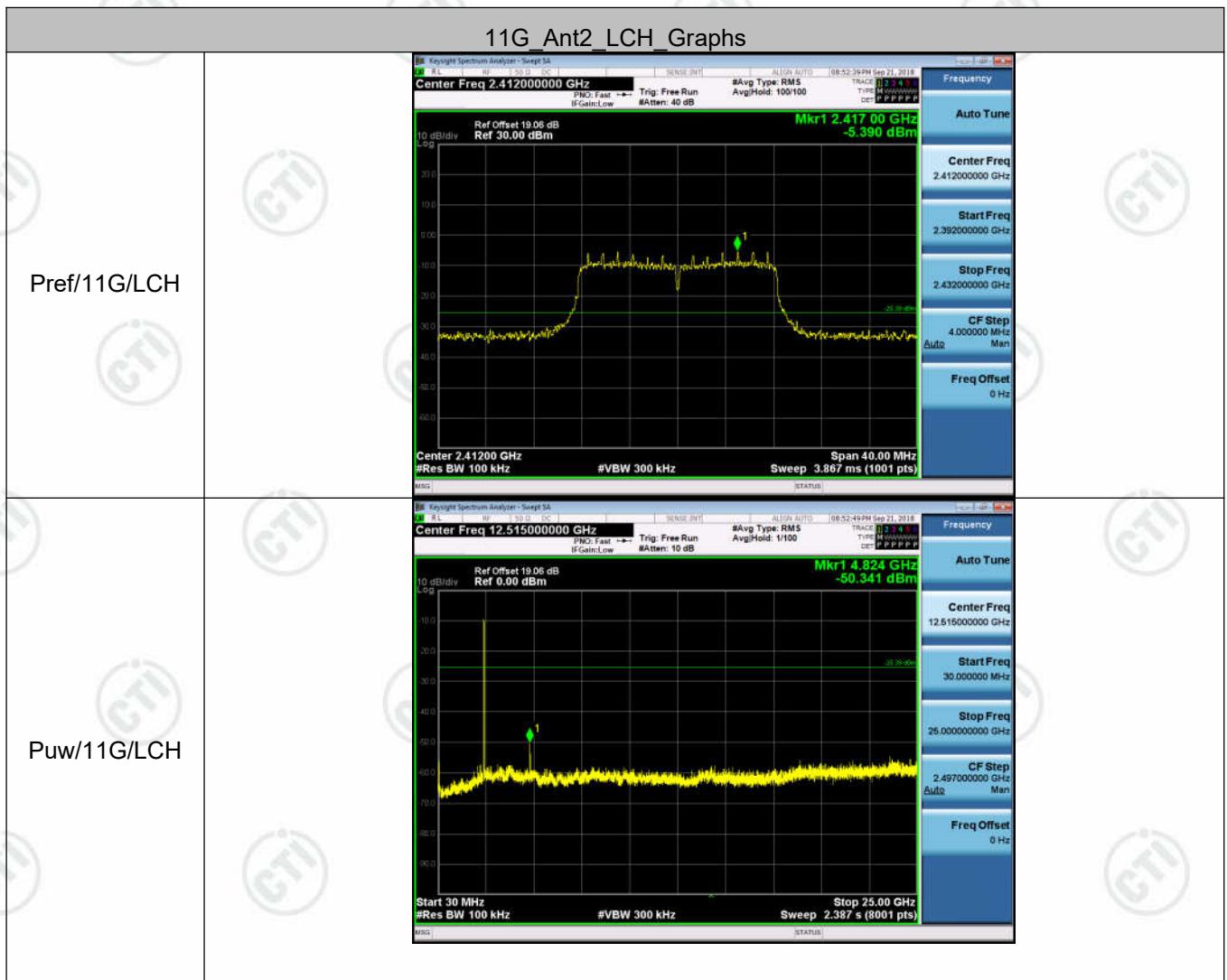
11B_Ant1_HCH_Graphs

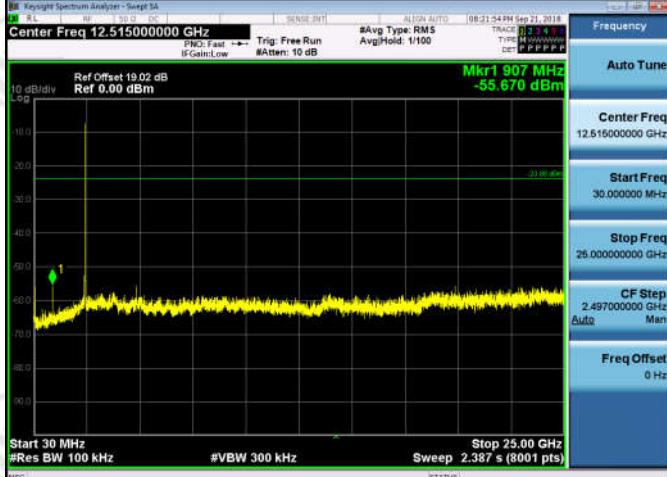
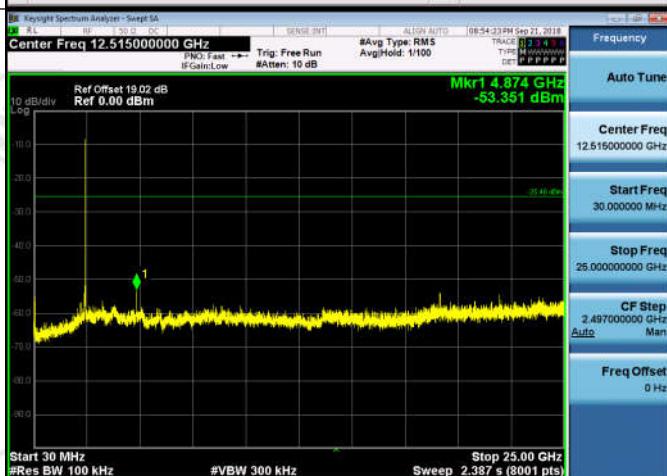


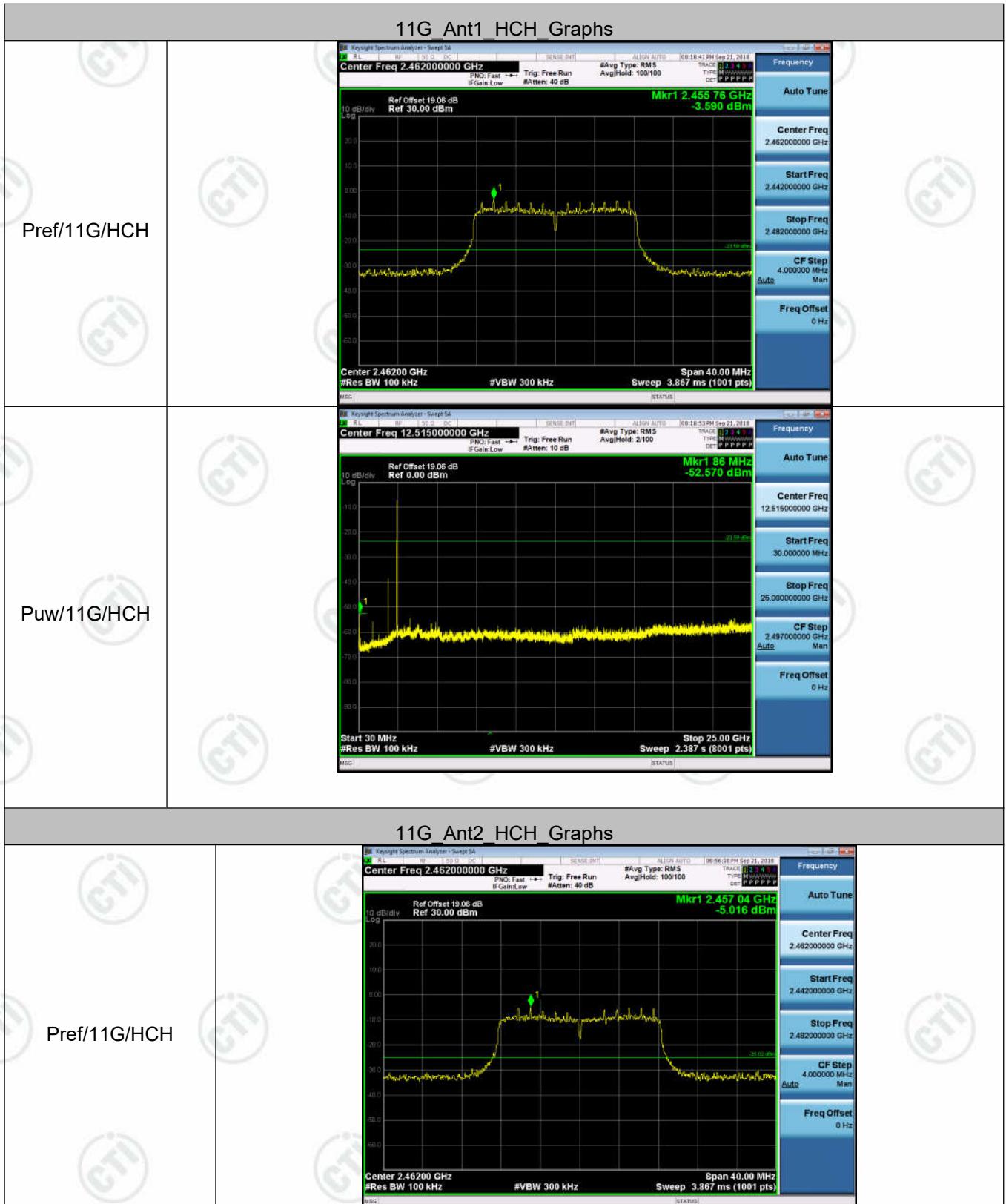
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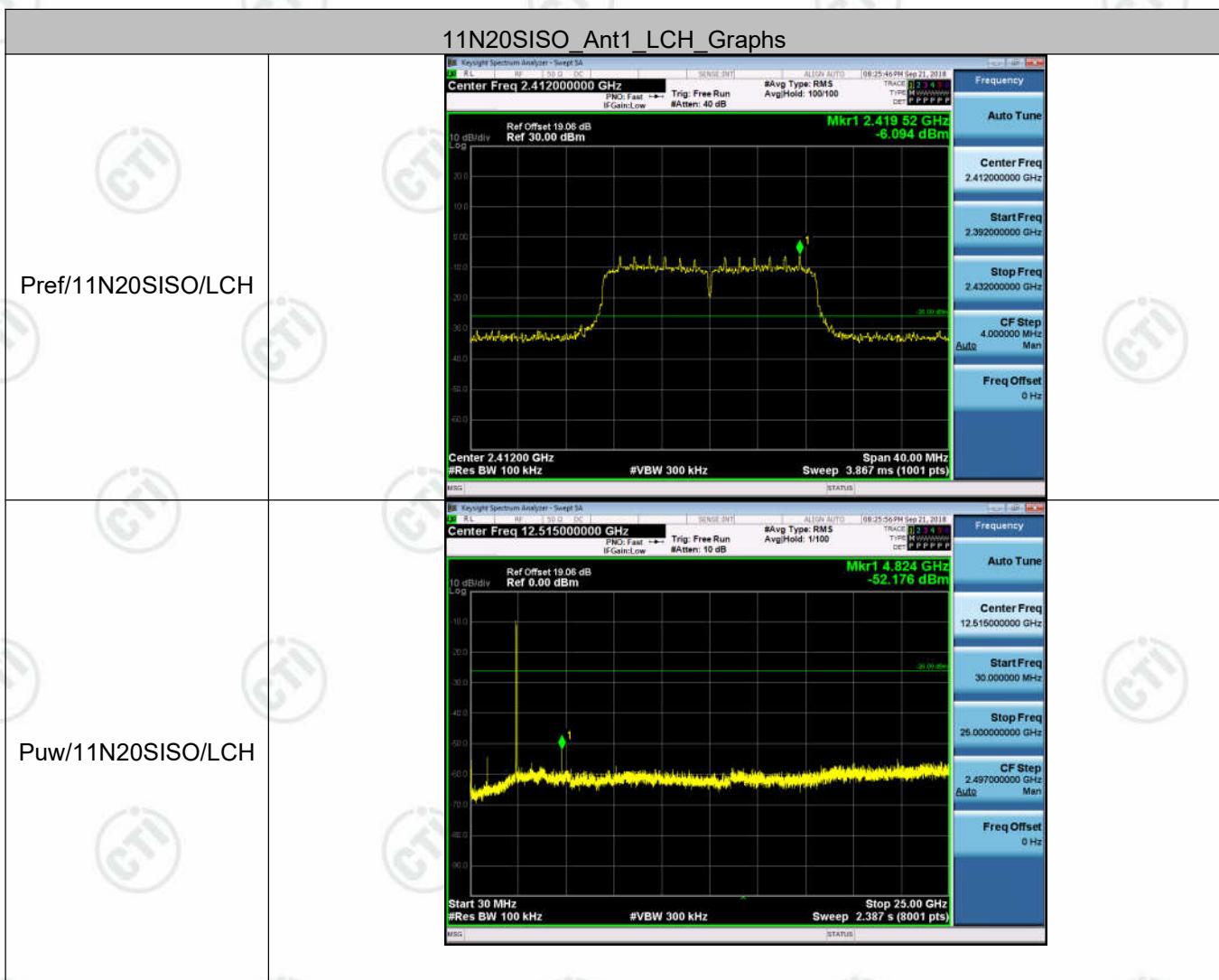


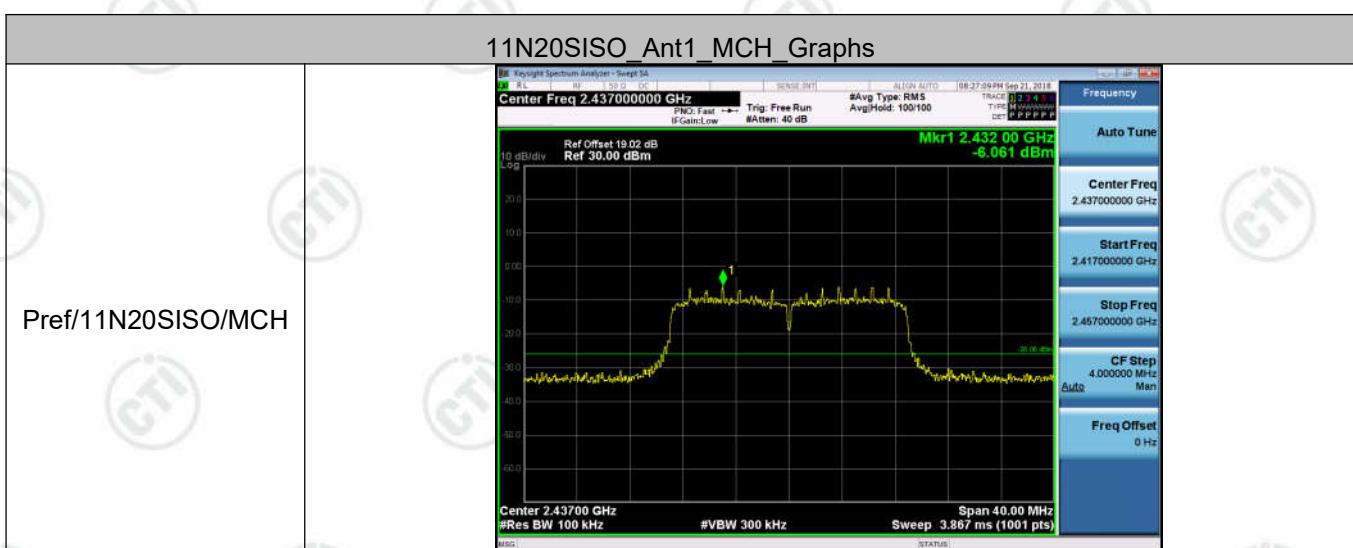
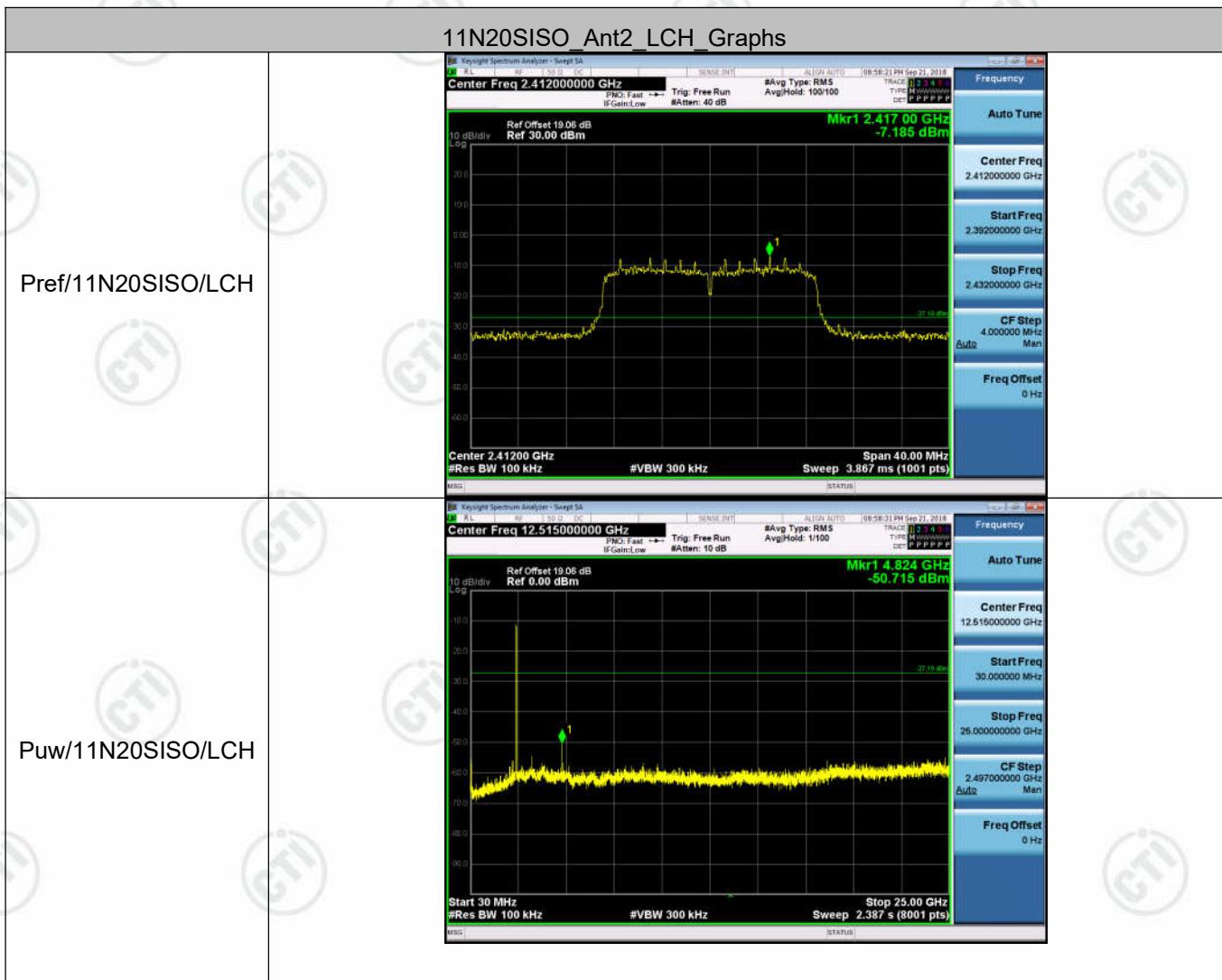


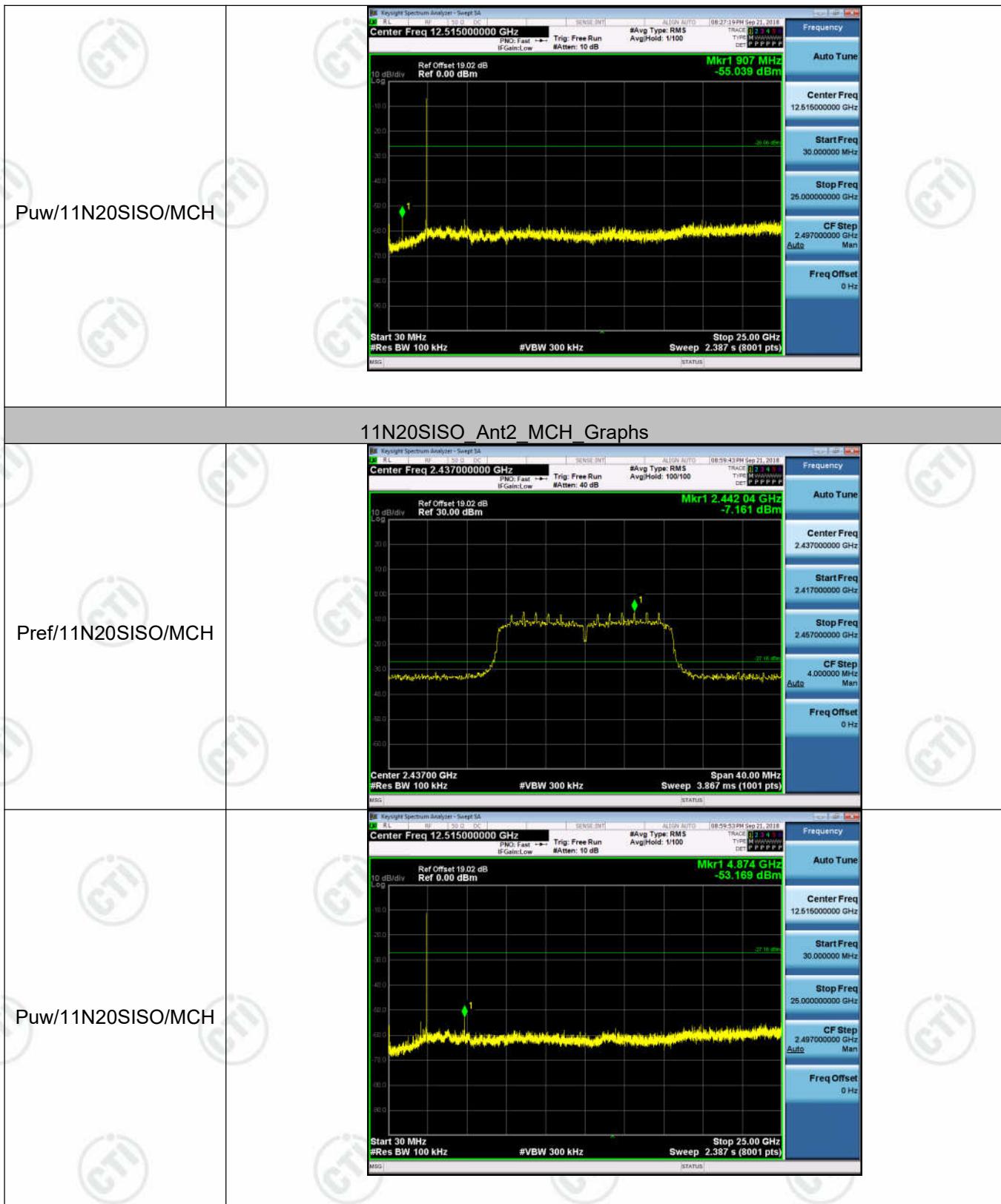


Puw/11G/MCH	 <p>Keylight Spectrum Analyzer - Sweep SA</p> <p>Center Freq 12.515000000 GHz</p> <p>Ref Offset 19.02 dB</p> <p>Ref 0.00 dBm</p> <p>Mkr1 9.07 MHz -55.670 dBm</p> <p>Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Stop 25.00 GHz Sweep 2.387 s (8001 pts)</p> <p>Frequency Auto Tune Center Freq 12.515000000 GHz Start Freq 30.0000000 MHz Stop Freq 25.000000000 GHz CF Step 2.497000000 GHz Auto Man Freq Offset 0 Hz</p>
Pref/11G/MCH	 <p>Keylight Spectrum Analyzer - Sweep SA</p> <p>Center Freq 2.437000000 GHz</p> <p>Ref Offset 19.02 dB</p> <p>Ref 30.00 dBm</p> <p>Mkr1 2.44328 GHz -54.457 dBm</p> <p>Start 2.417000000 GHz #Res BW 100 kHz #VBW 300 kHz Stop 2.467000000 GHz Sweep 40.00 MHz 3.867 ms (1001 pts)</p> <p>Frequency Auto Tune Center Freq 2.437000000 GHz Start Freq 2.417000000 GHz Stop Freq 2.467000000 GHz CF Step 4.000000 MHz Auto Man Freq Offset 0 Hz</p>
Puw/11G/MCH	 <p>Keylight Spectrum Analyzer - Sweep SA</p> <p>Center Freq 12.515000000 GHz</p> <p>Ref Offset 19.02 dB</p> <p>Ref 0.00 dBm</p> <p>Mkr1 4.874 GHz -53.351 dBm</p> <p>Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Stop 25.00 GHz Sweep 2.387 s (8001 pts)</p> <p>Frequency Auto Tune Center Freq 12.515000000 GHz Start Freq 30.0000000 MHz Stop Freq 25.000000000 GHz CF Step 2.497000000 GHz Auto Man Freq Offset 0 Hz</p>

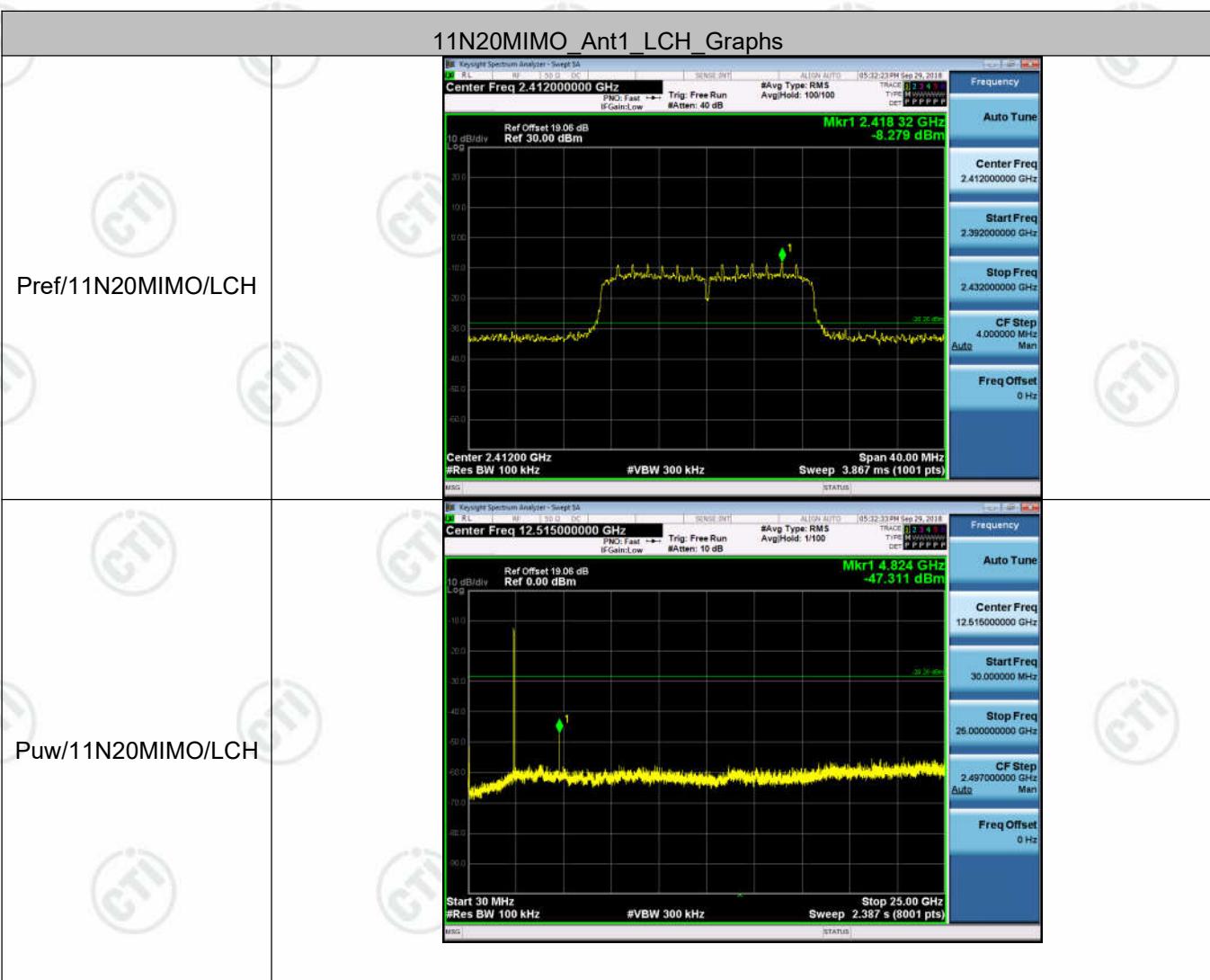
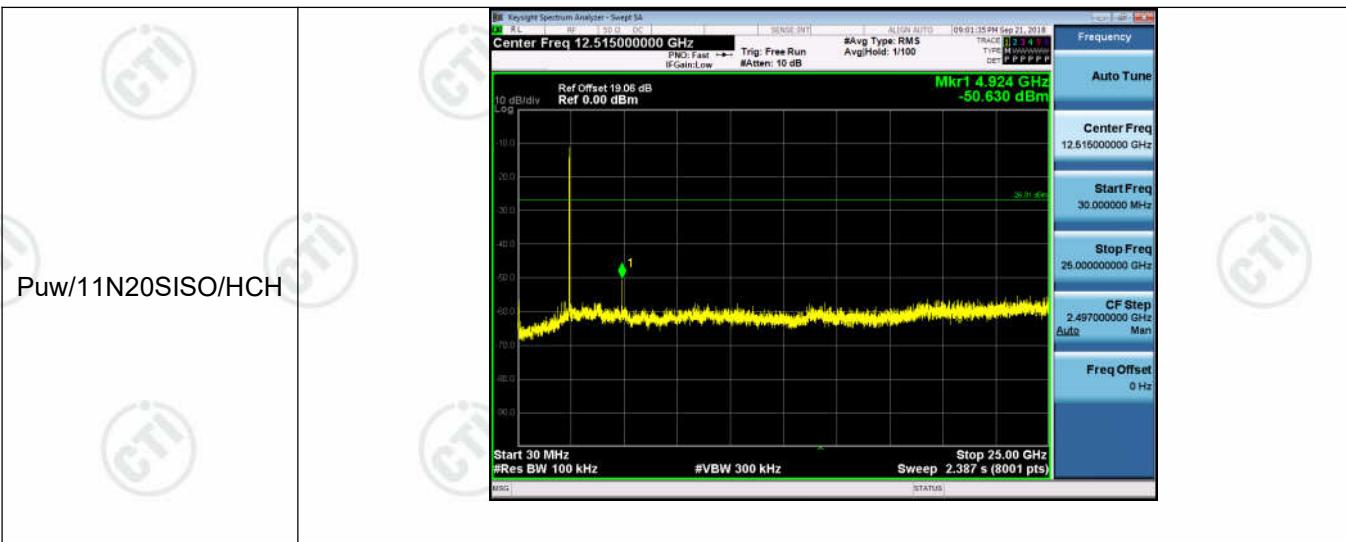


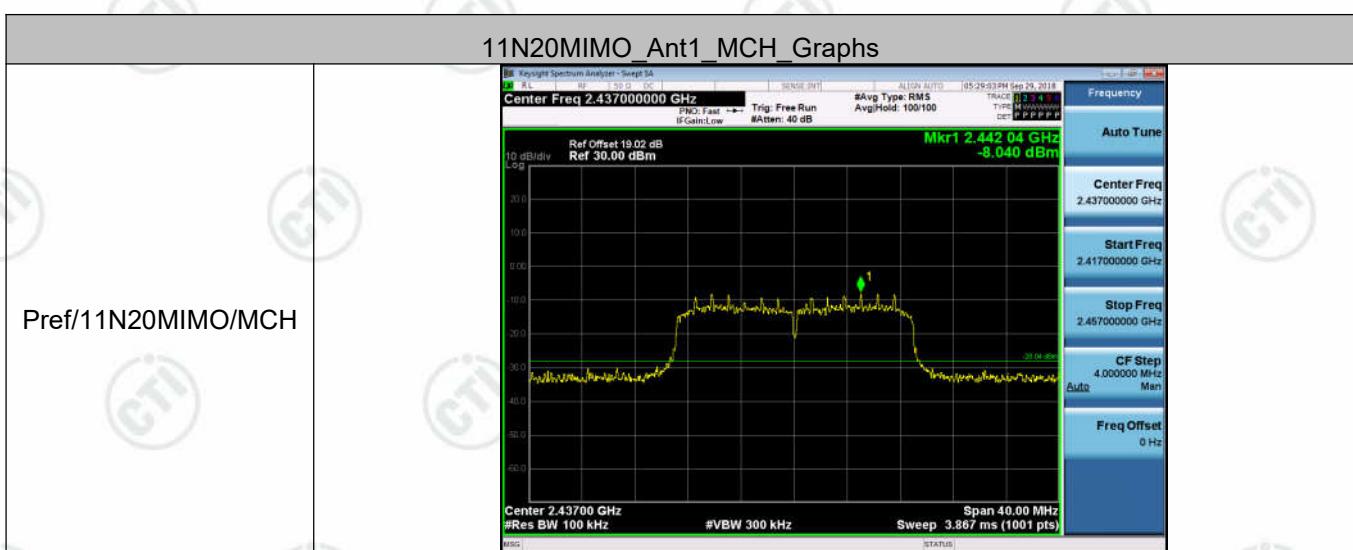
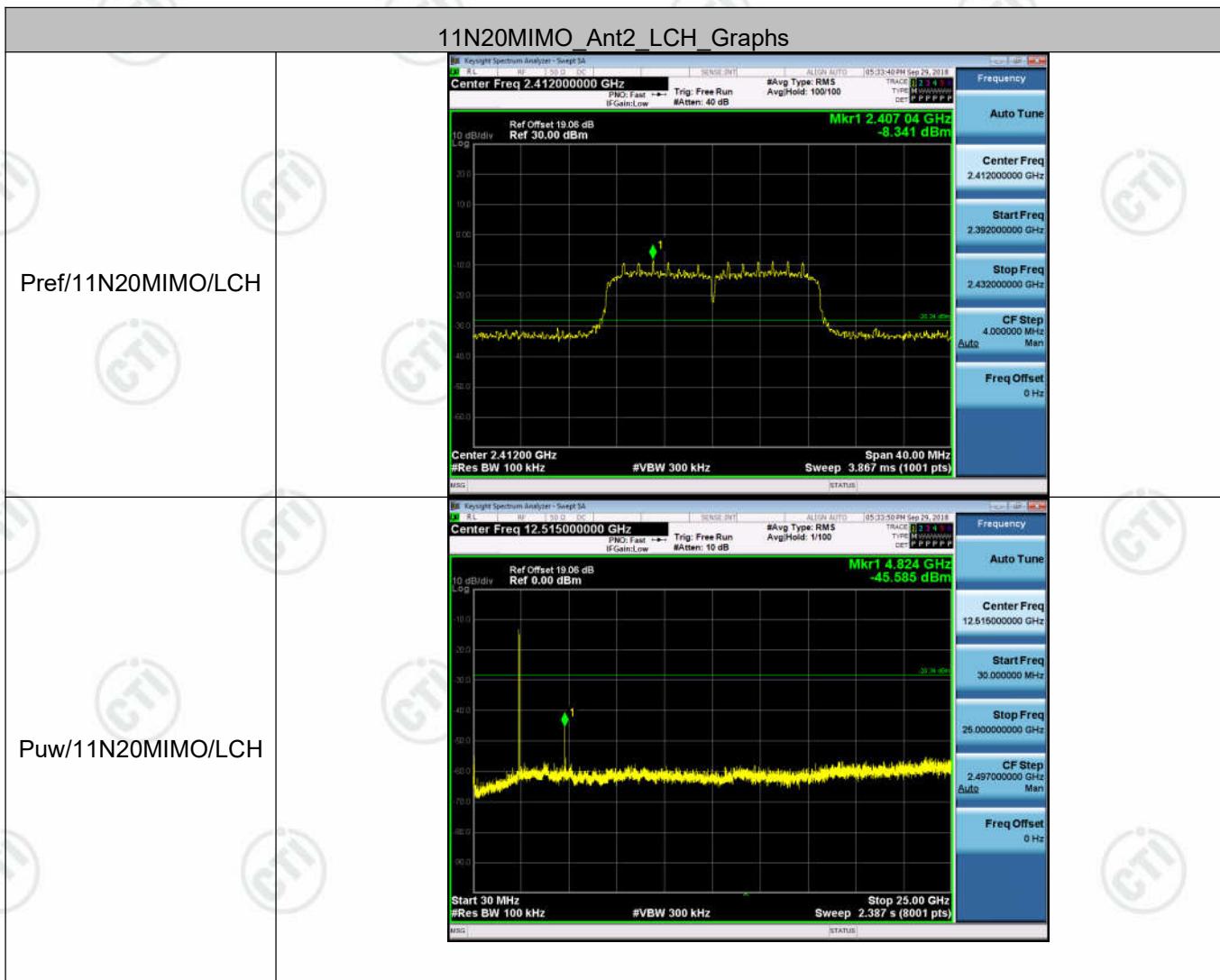


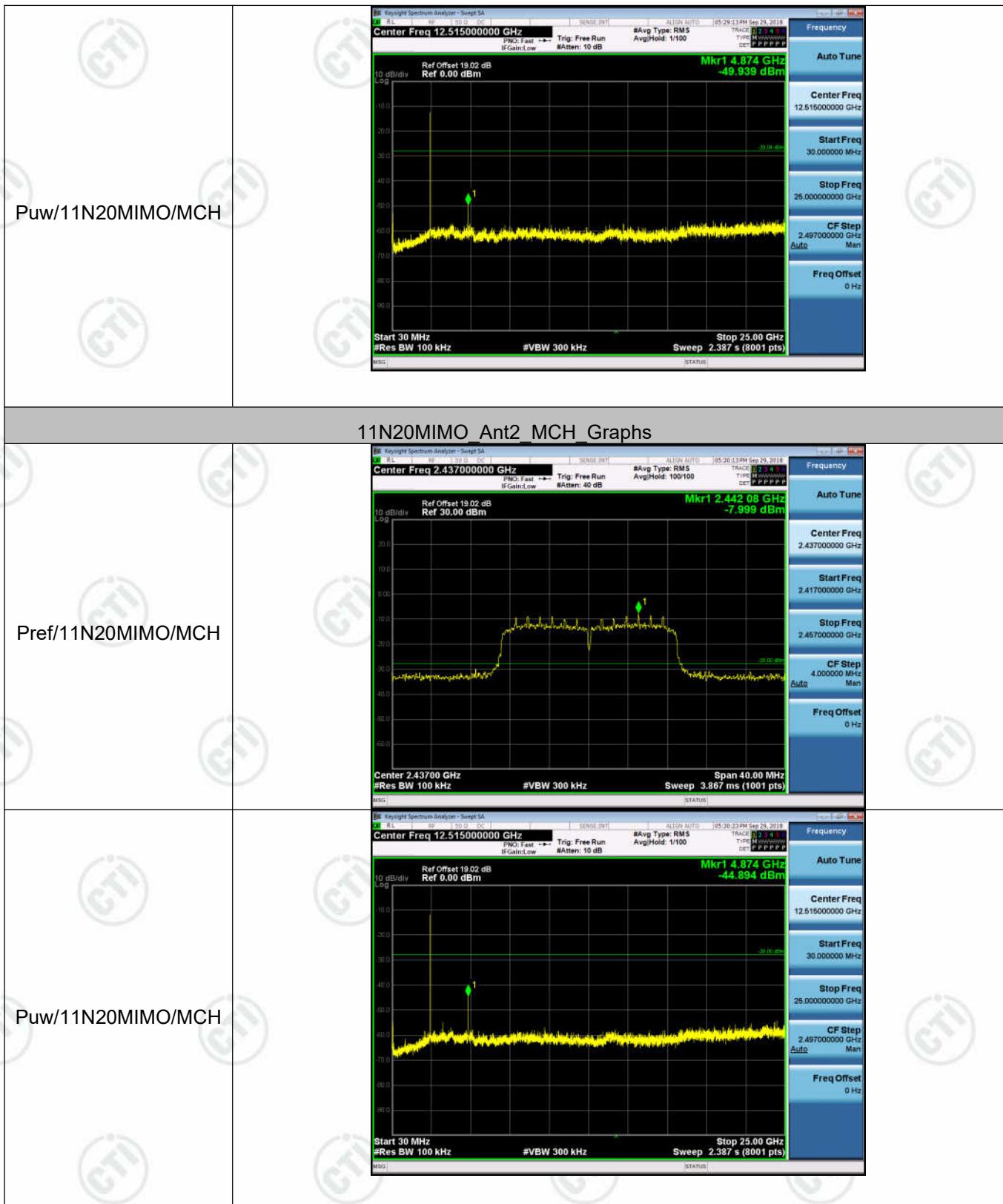




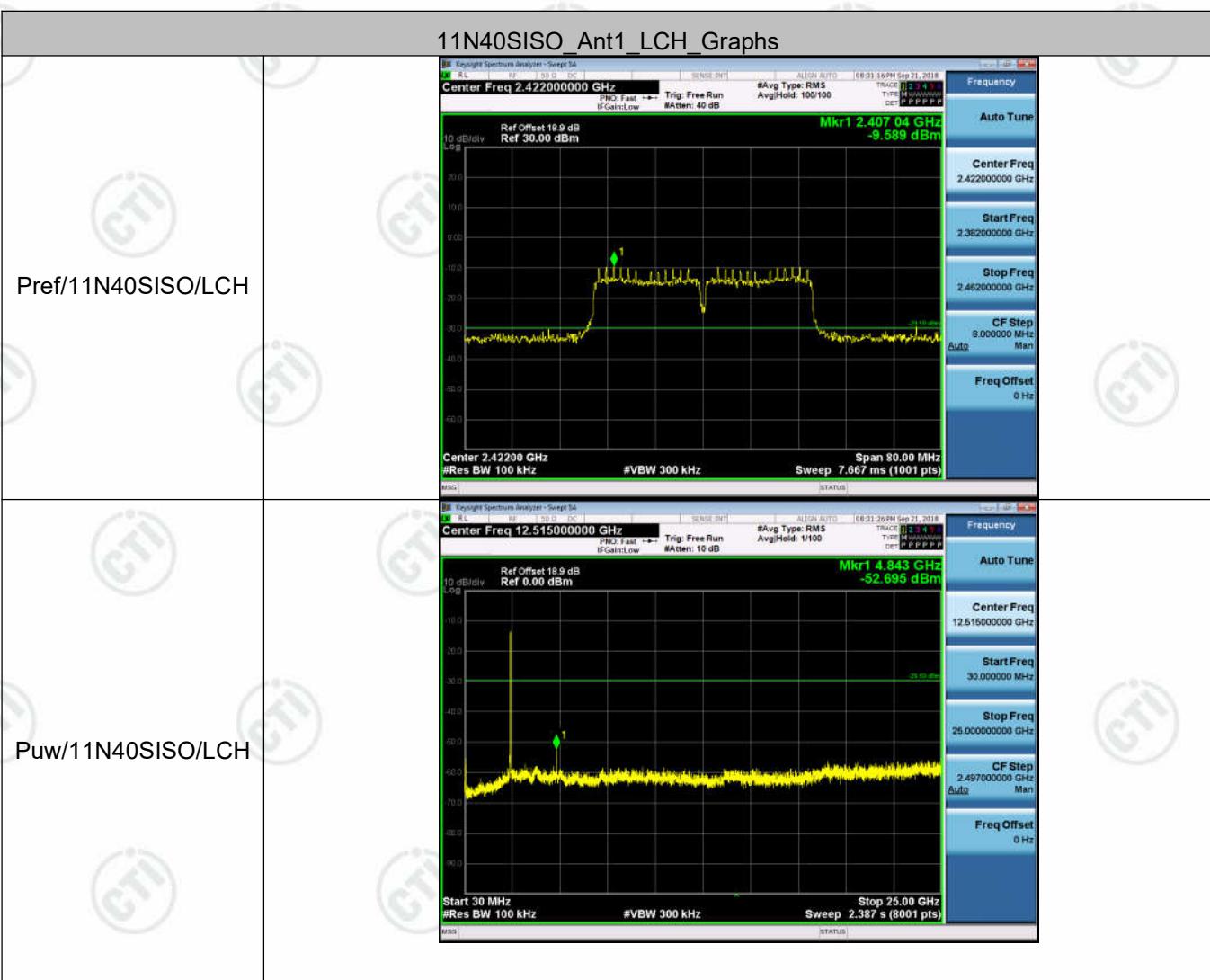


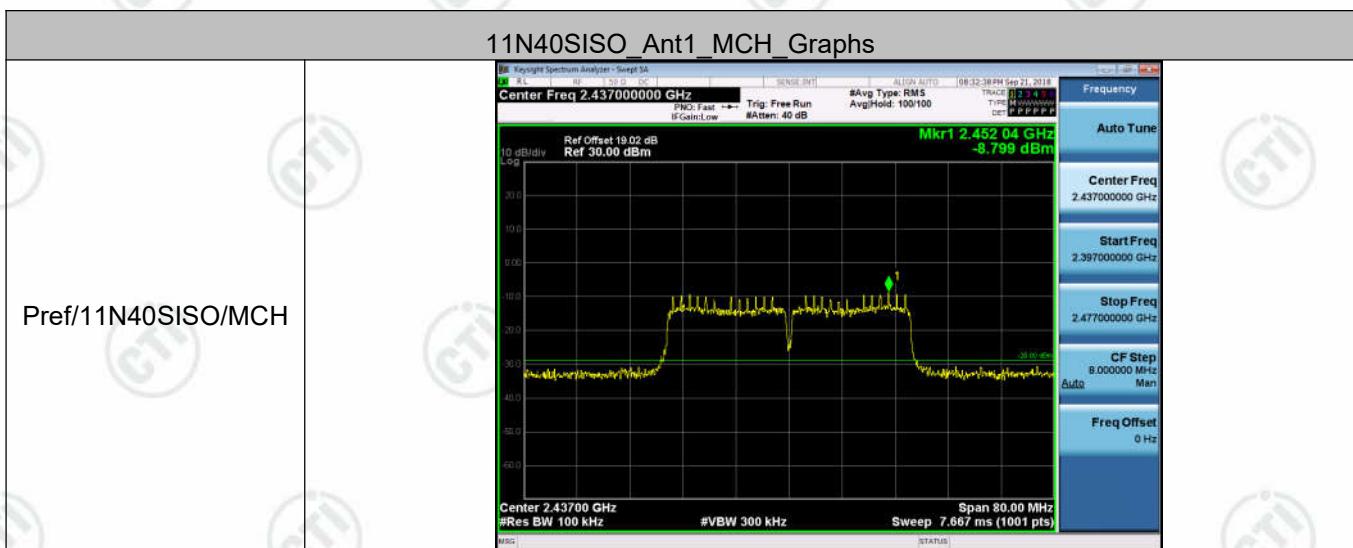
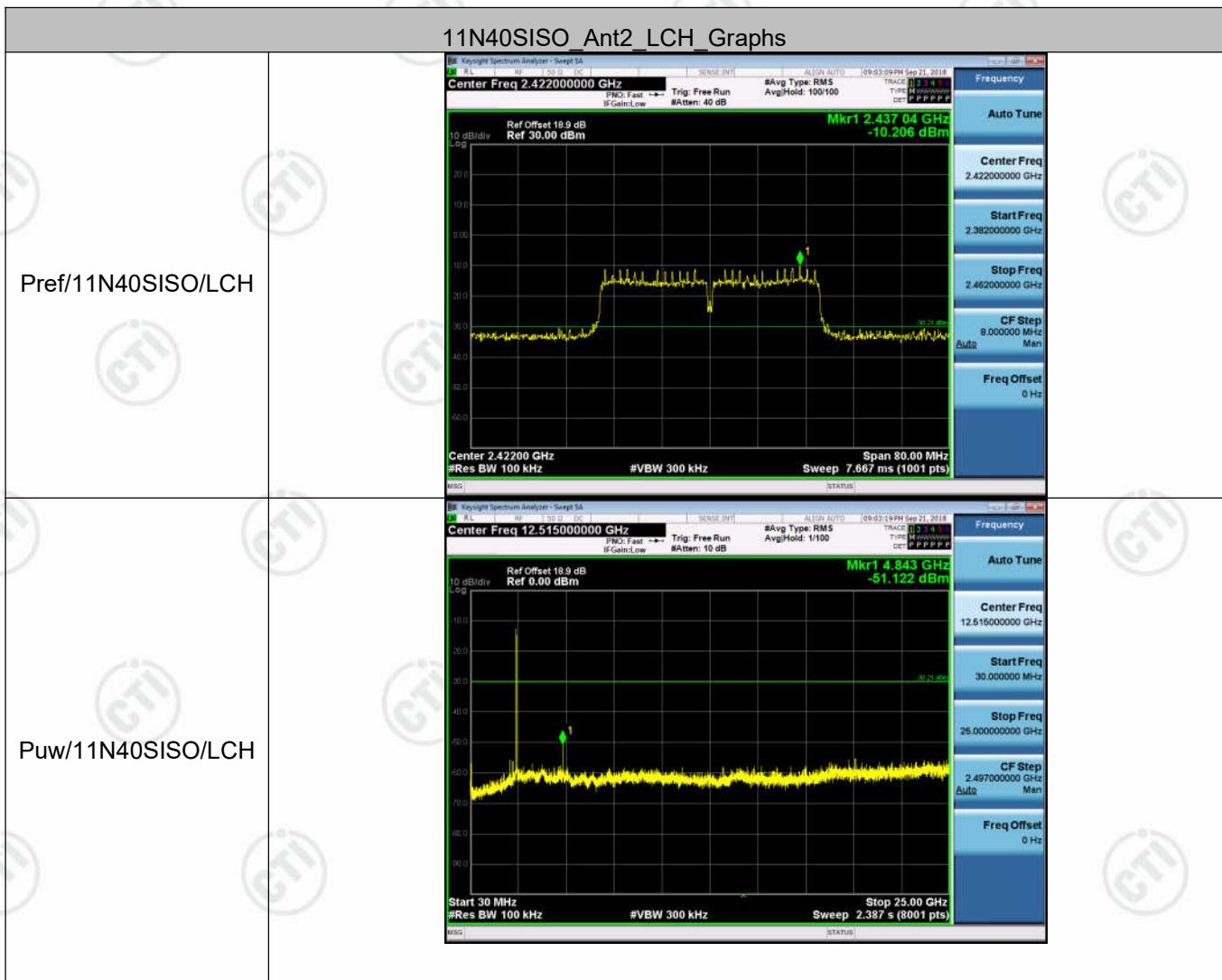


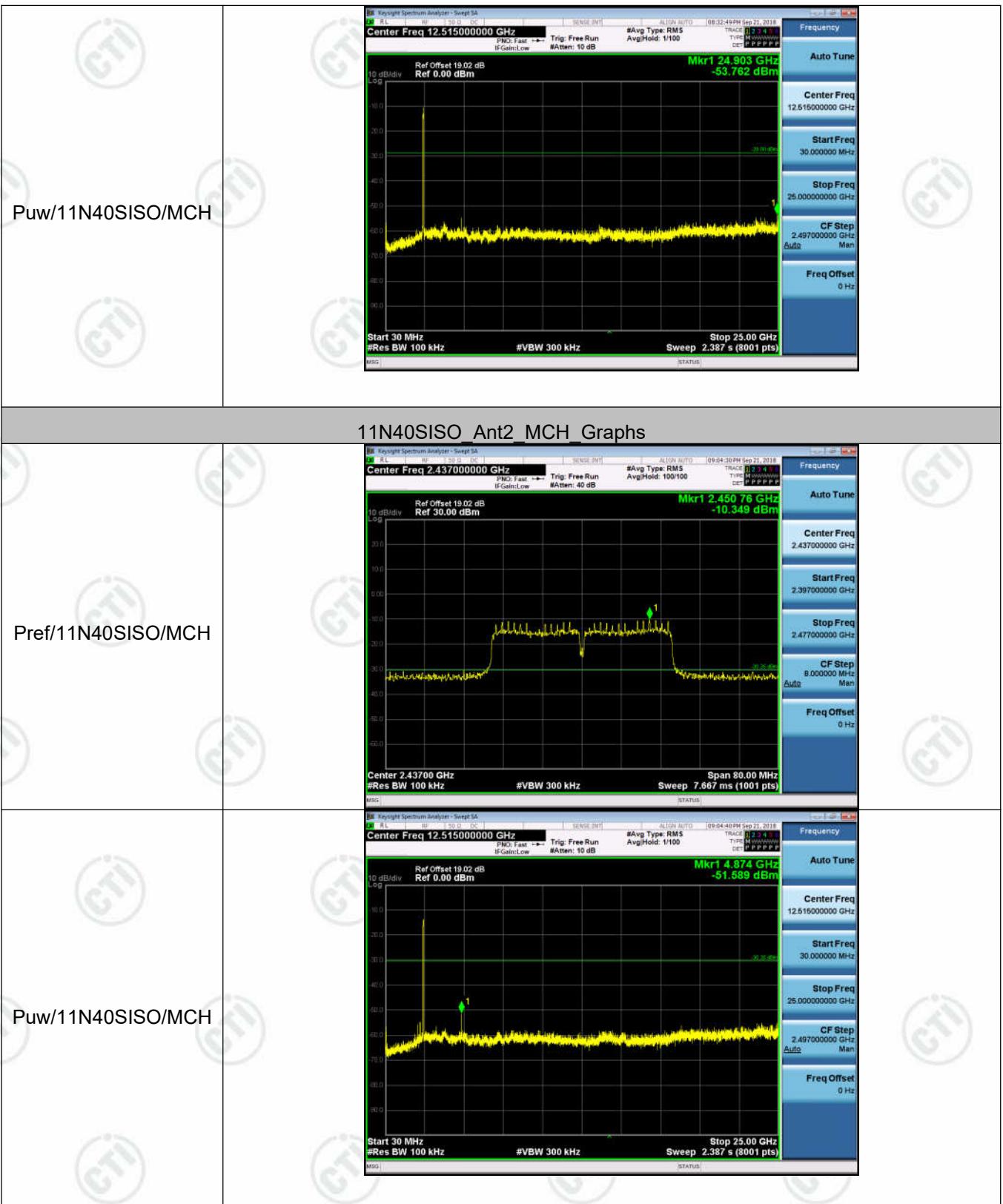


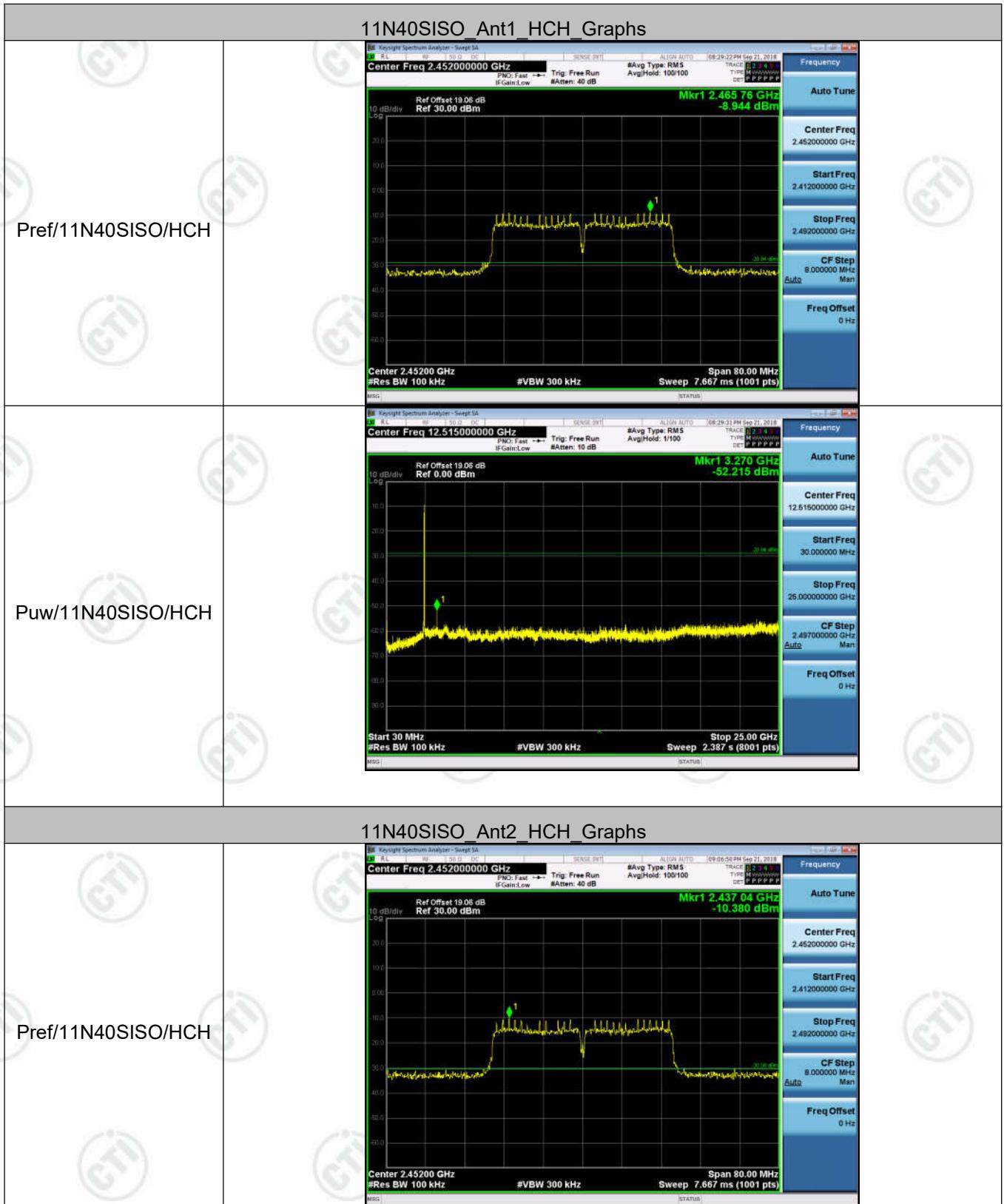


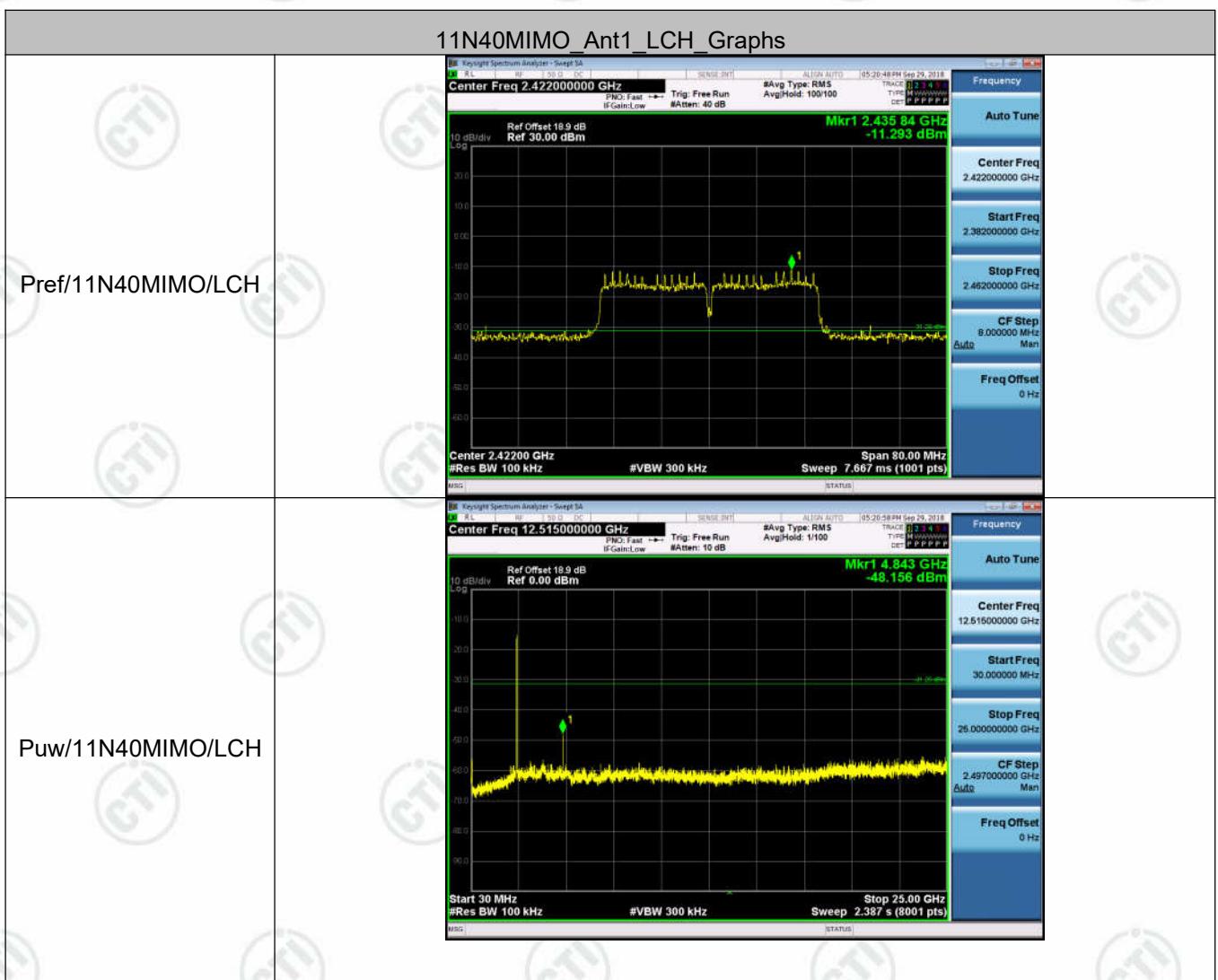


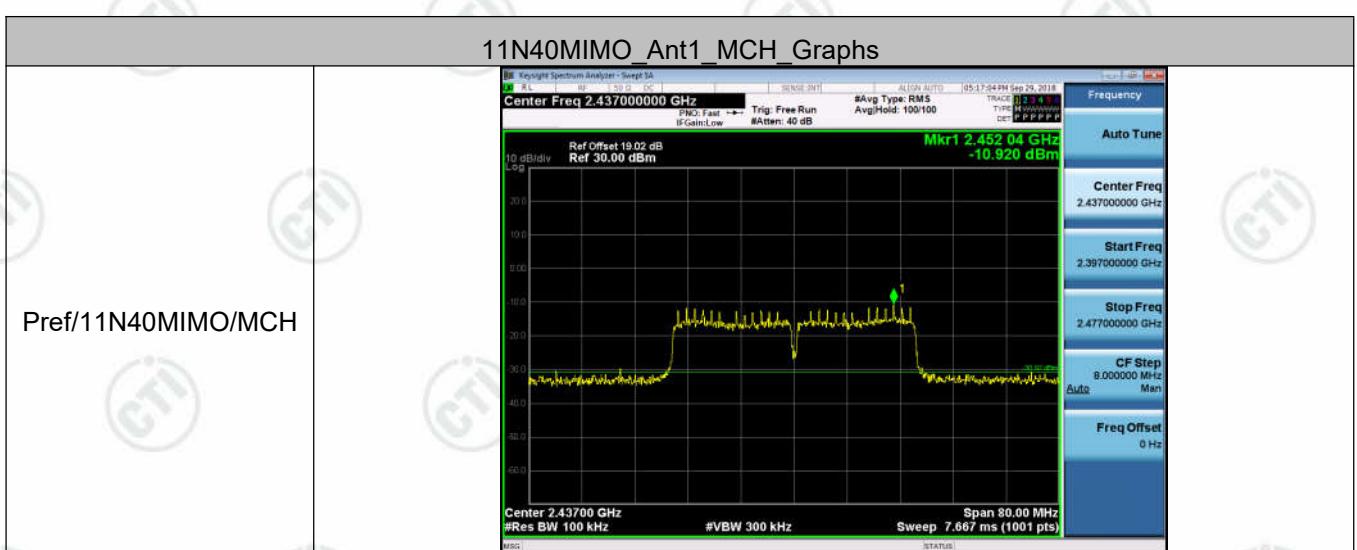


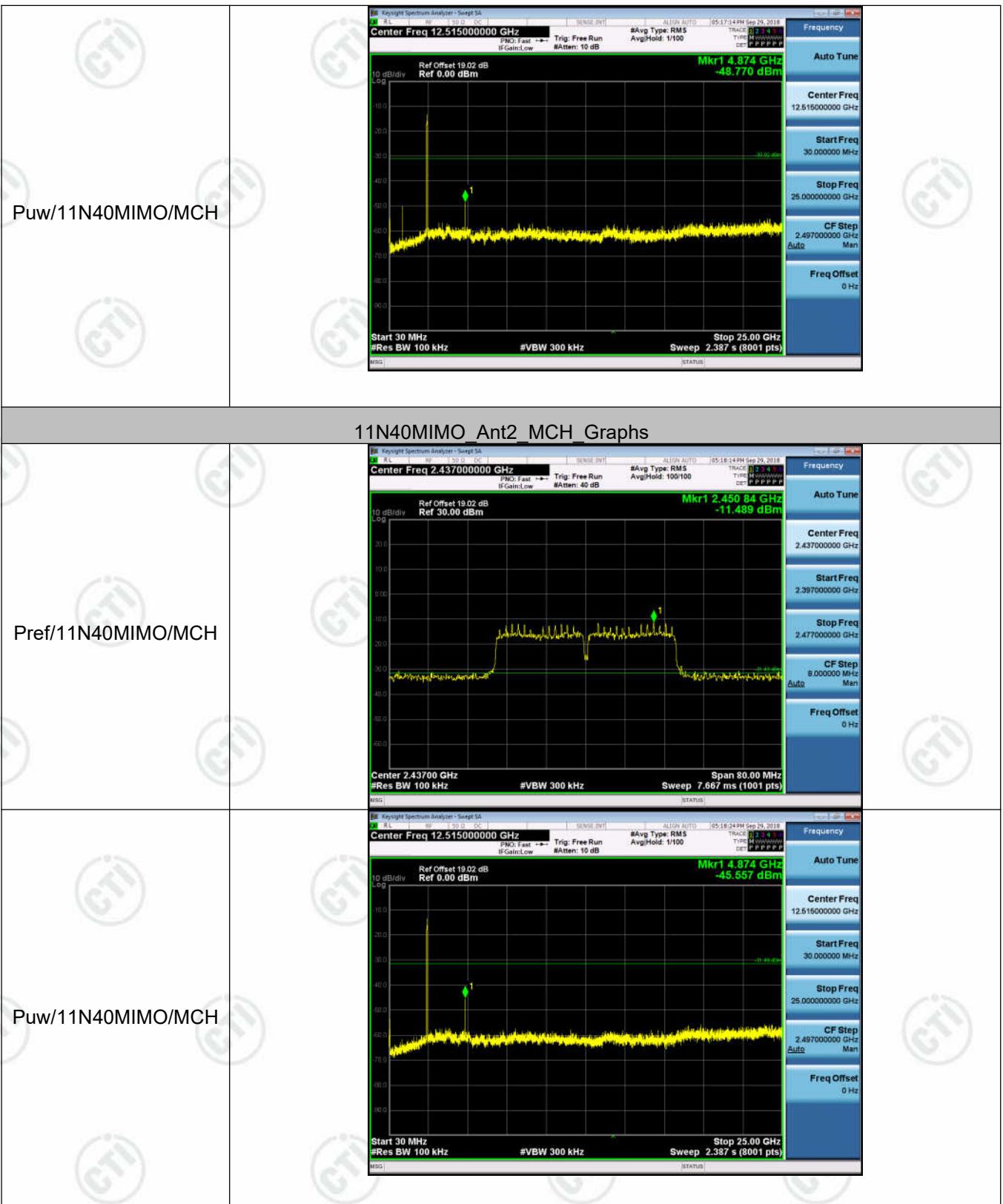


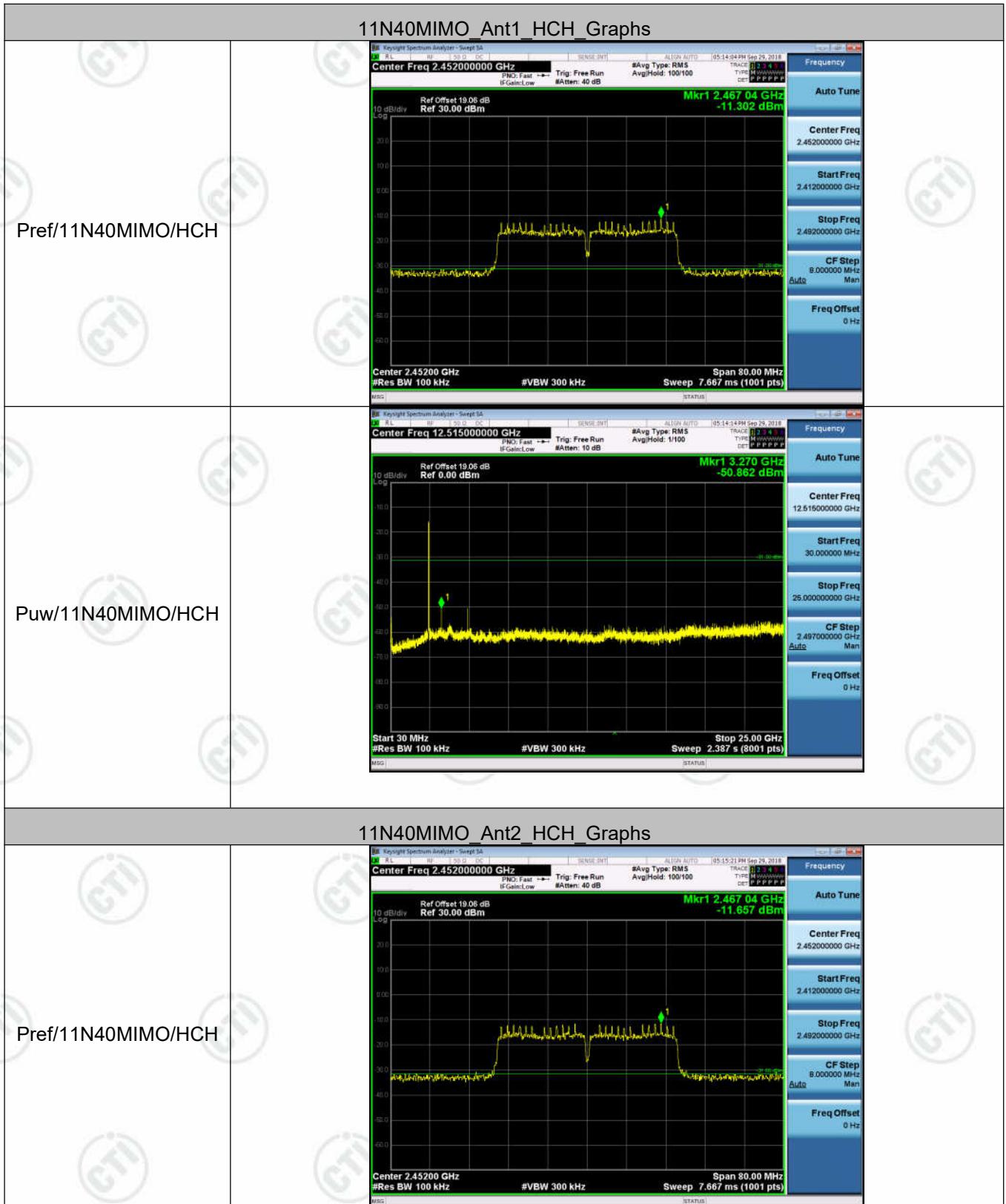


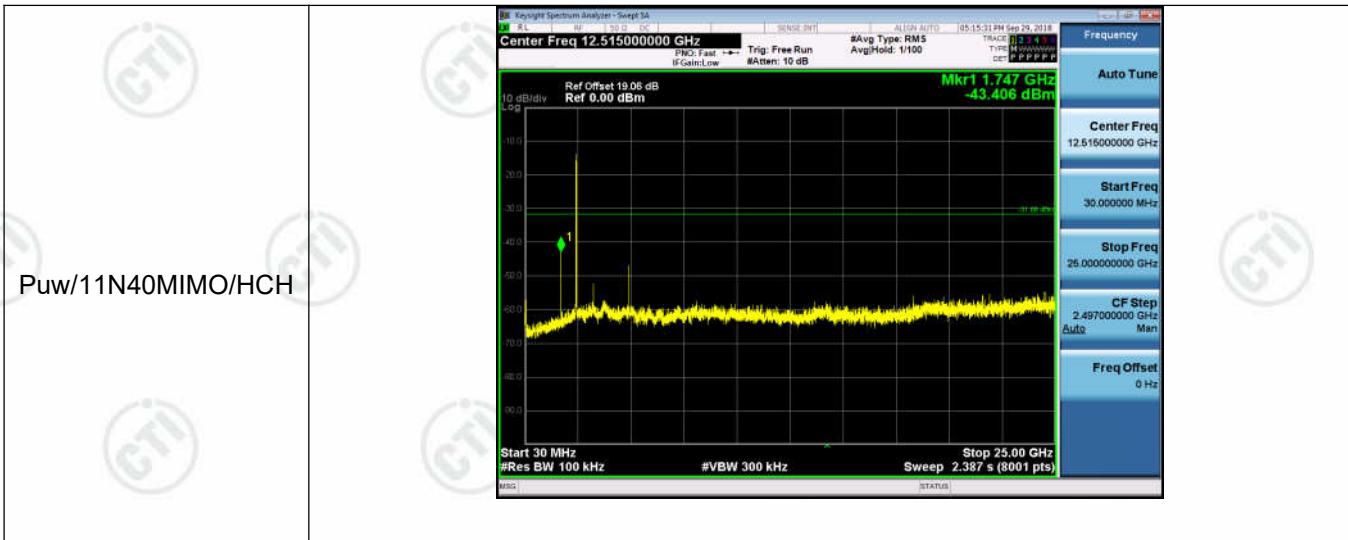












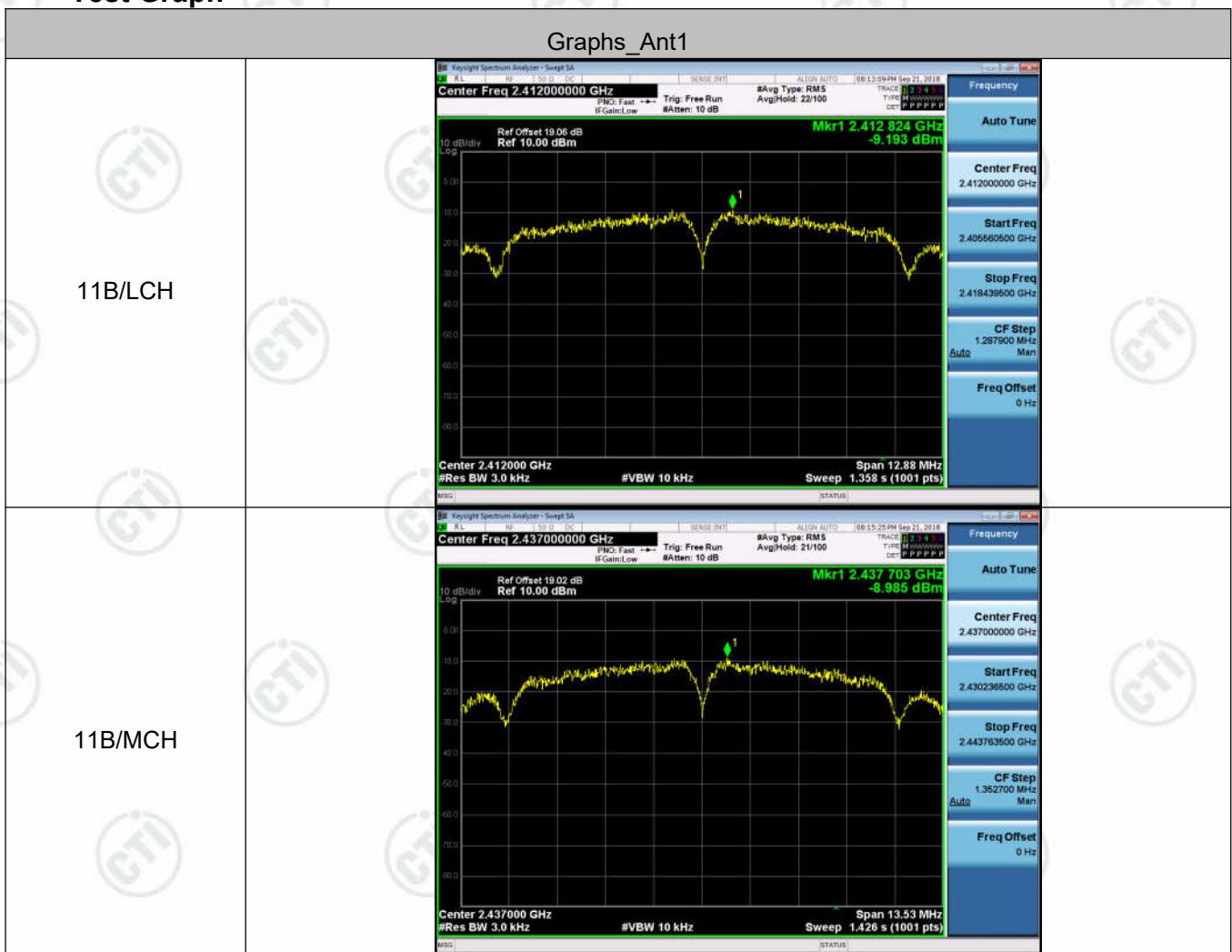
Appendix E): Power Spectral Density

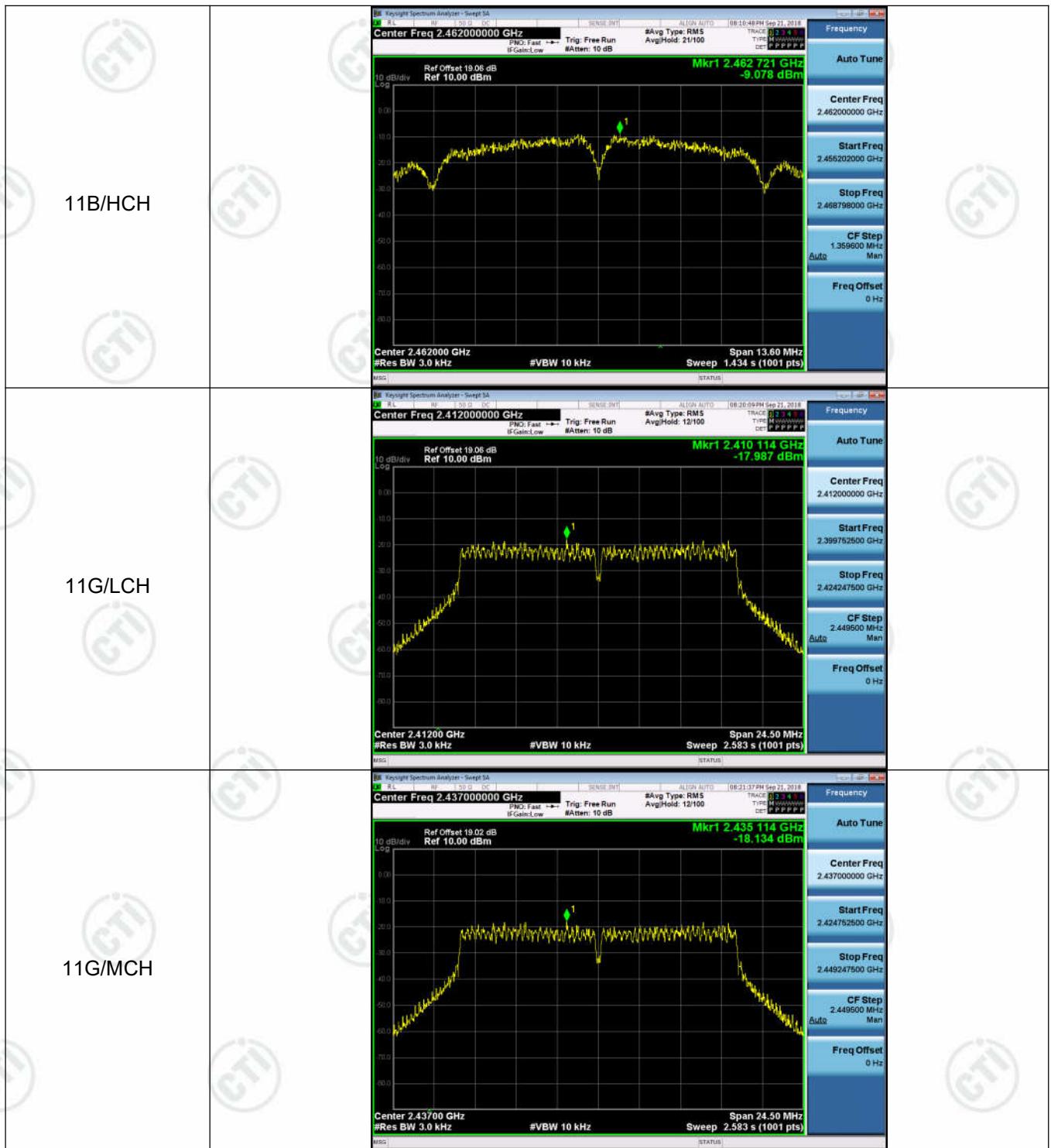
Result Table

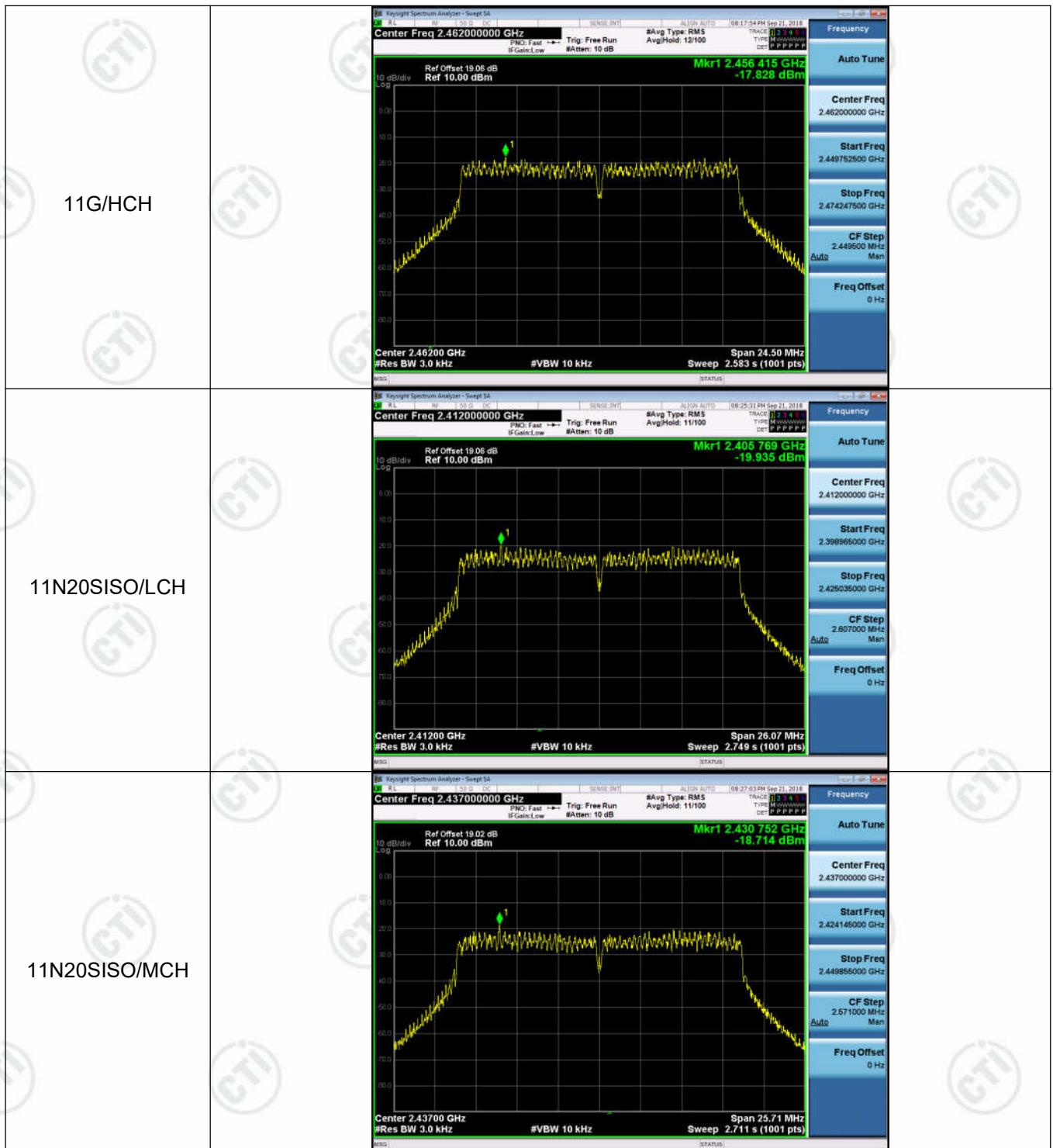
Mode	Antenna	Channel	Power Spectral Density [dBm]	Limit [dBm/3kHz]	Verdict
11B	Ant1	LCH	-9.193	8	PASS
11B	Ant2	LCH	-10.779	8	PASS
11B	Ant1	MCH	-8.985	8	PASS
11B	Ant2	MCH	-10.525	8	PASS
11B	Ant1	HCH	-9.078	8	PASS
11B	Ant2	HCH	-10.159	8	PASS
11G	Ant1	LCH	-17.987	8	PASS
11G	Ant2	LCH	-19.527	8	PASS
11G	Ant1	MCH	-18.134	8	PASS
11G	Ant2	MCH	-19.622	8	PASS
11G	Ant1	HCH	-17.828	8	PASS
11G	Ant2	HCH	-19.062	8	PASS
11N20SISO	Ant1	LCH	-19.935	8	PASS
11N20SISO	Ant2	LCH	-20.676	8	PASS
11N20SISO	Ant1	MCH	-18.714	8	PASS
11N20SISO	Ant2	MCH	-21.059	8	PASS
11N20SISO	Ant1	HCH	-19.040	8	PASS
11N20SISO	Ant2	HCH	-20.493	8	PASS
11N20MIMO	Ant1	LCH	-21.166	8	PASS
11N20MIMO	Ant2	LCH	-21.247	8	PASS
11N20MIMO	Ant1+2	LCH	-18.20	8	PASS
11N20MIMO	Ant1	MCH	-21.713	8	PASS
11N20MIMO	Ant2	MCH	-23.112	8	PASS
11N20MIMO	Ant1+2	MCH	-19.35	8	PASS
11N20MIMO	Ant1	HCH	-20.410	8	PASS
11N20MIMO	Ant2	HCH	-21.726	8	PASS
11N20MIMO	Ant1+2	HCH	-18.01	8	PASS
11N40SISO	Ant1	LCH	-23.611	8	PASS
11N40SISO	Ant2	LCH	-24.924	8	PASS
11N40SISO	Ant1	MCH	-23.521	8	PASS
11N40SISO	Ant2	MCH	-24.668	8	PASS

11N40SISO	Ant1	HCH	-22.999	8	PASS
11N40SISO	Ant2	HCH	-24.402	8	PASS
11N40MIMO	Ant1	LCH	-25.405	8	PASS
11N40MIMO	Ant2	LCH	-25.282	8	PASS
11N40MIMO	Ant1+2	LCH	-22.33	8	PASS
11N40MIMO	Ant1	MCH	-25.298	8	PASS
11N40MIMO	Ant2	MCH	-26.213	8	PASS
11N40MIMO	Ant1+2	MCH	-22.72	8	PASS
11N40MIMO	Ant1	HCH	-26.140	8	PASS
11N40MIMO	Ant2	HCH	-26.052	8	PASS
11N40MIMO	Ant1+2	HCH	-23.09	8	PASS

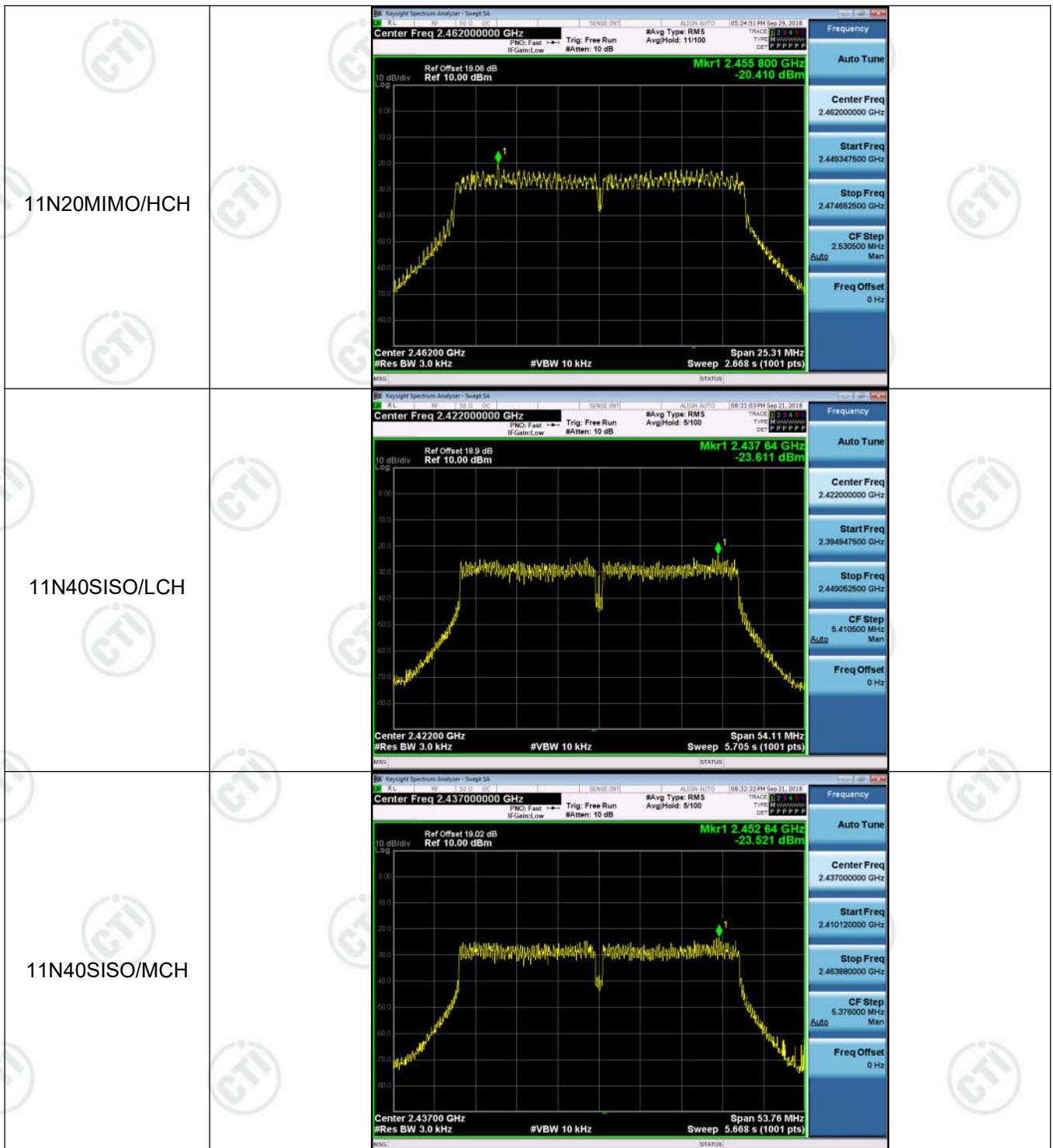
Test Graph

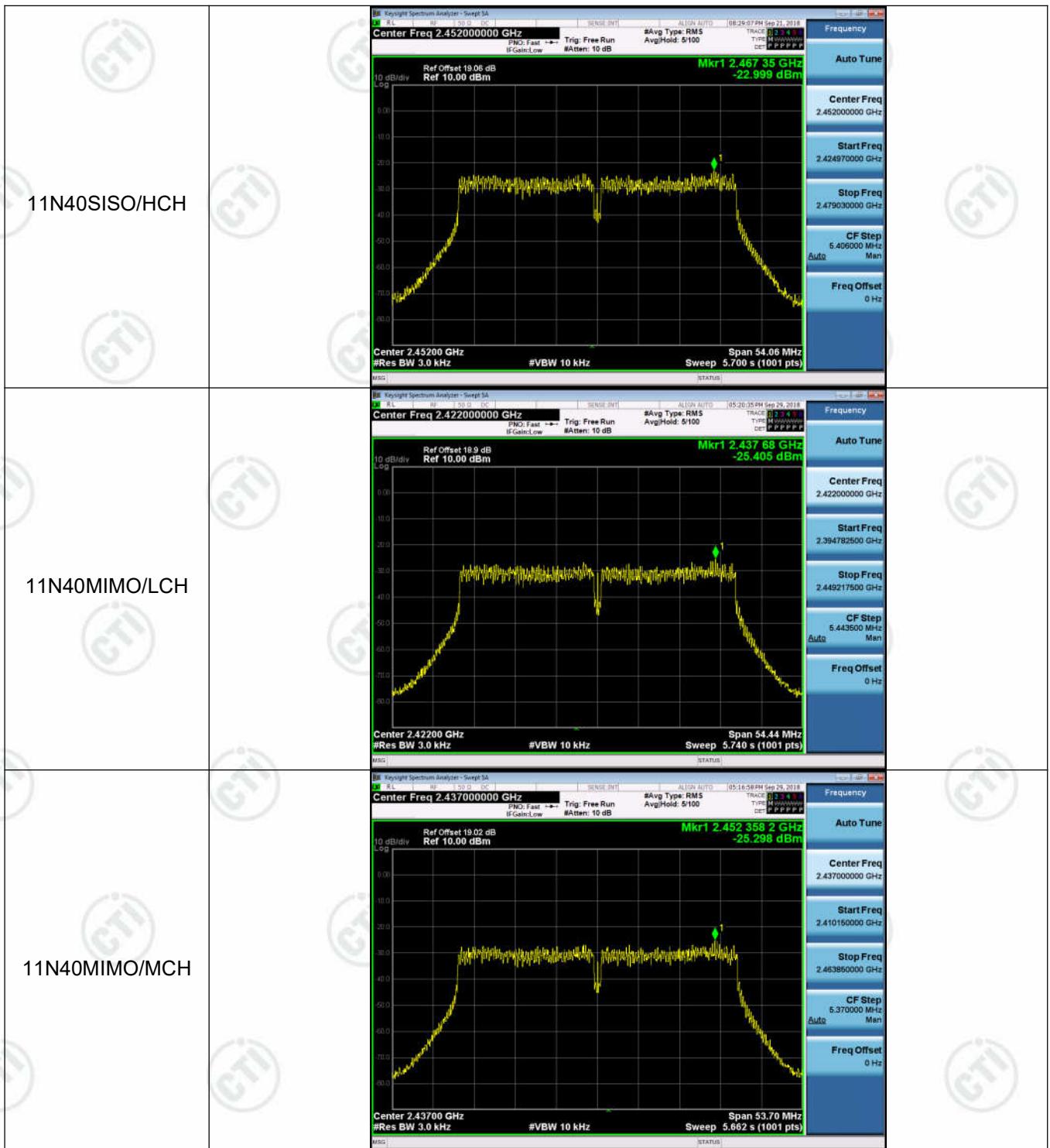


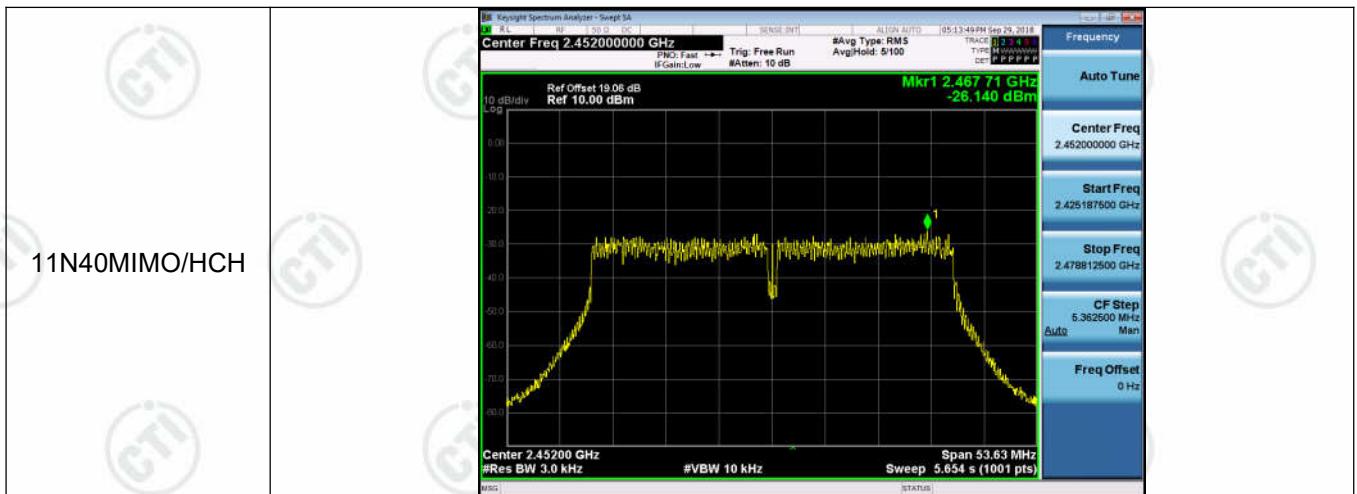




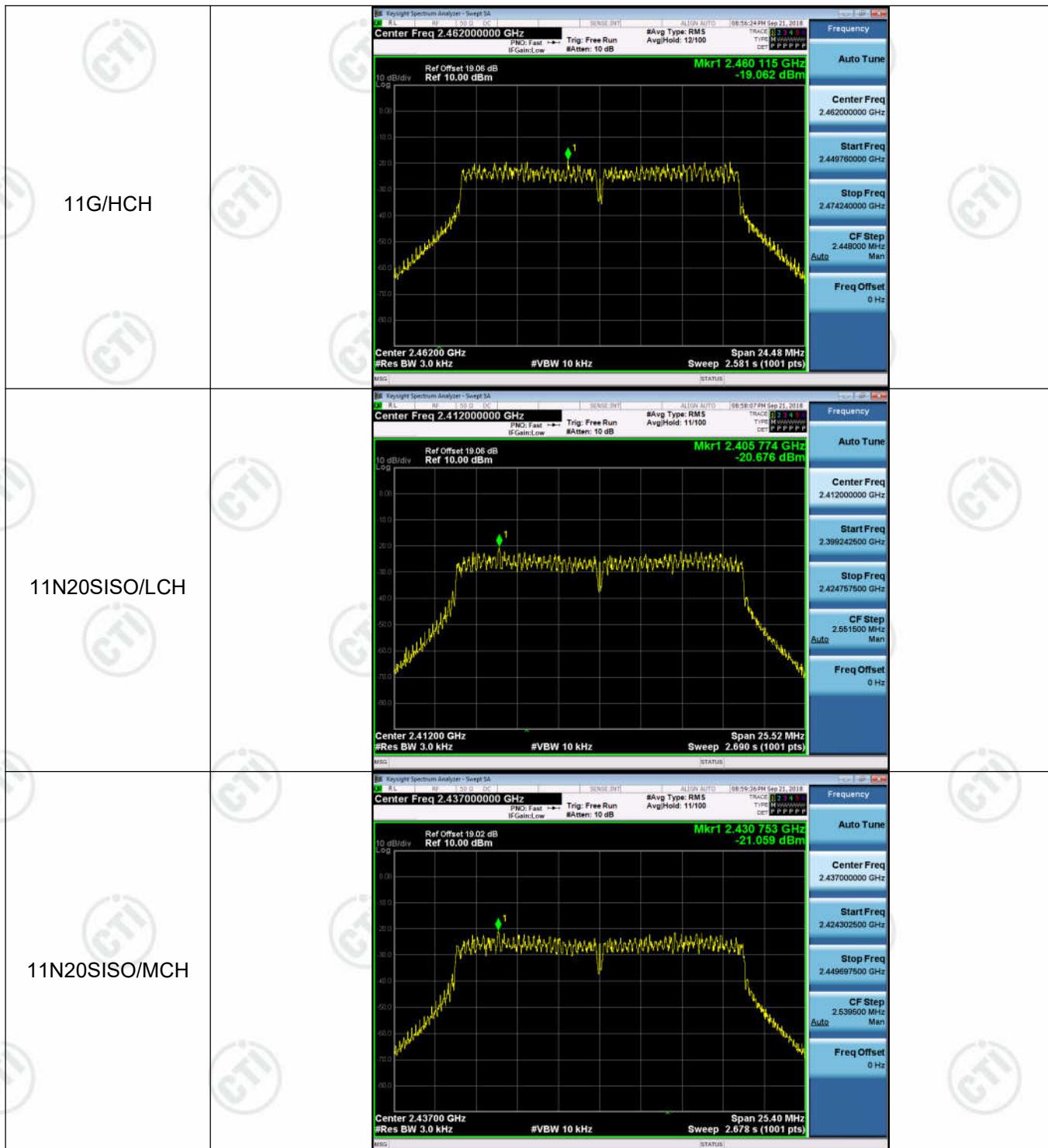


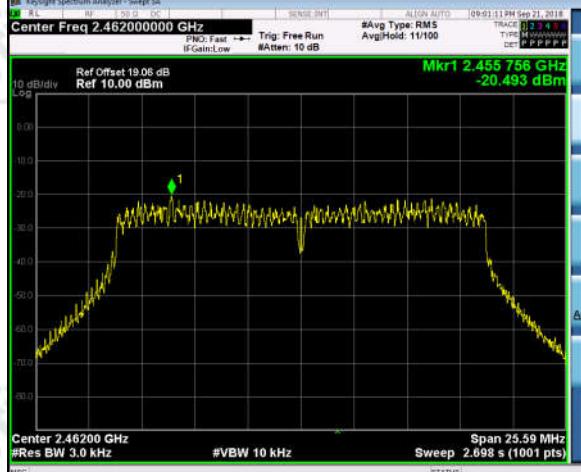
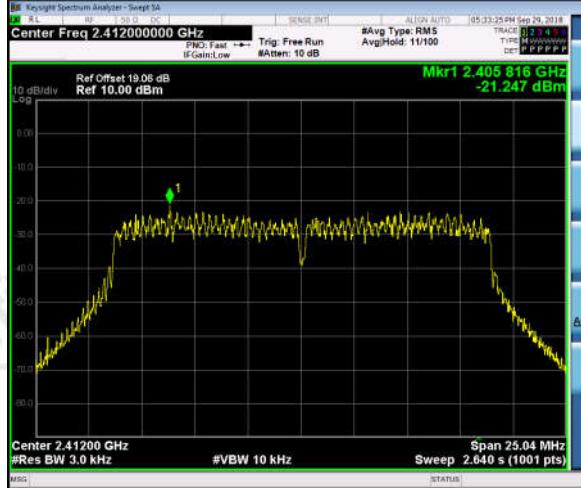










11N20SISO/HCH	
11N20MIMO/LCH	
11N20MIMO/MCH	

