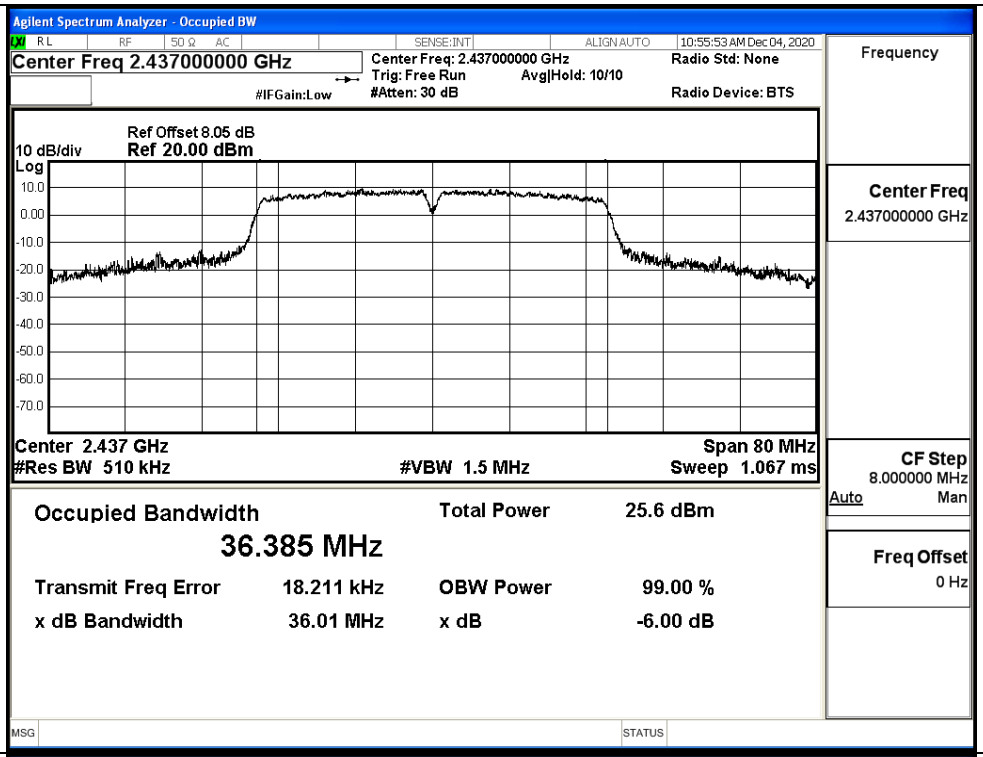
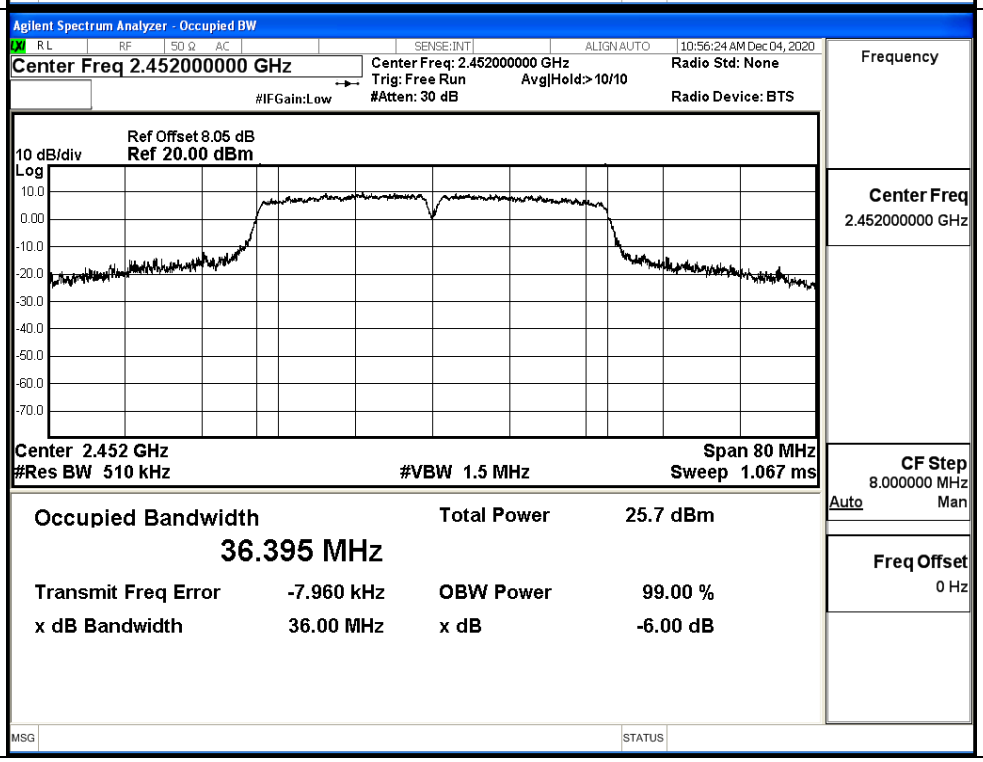
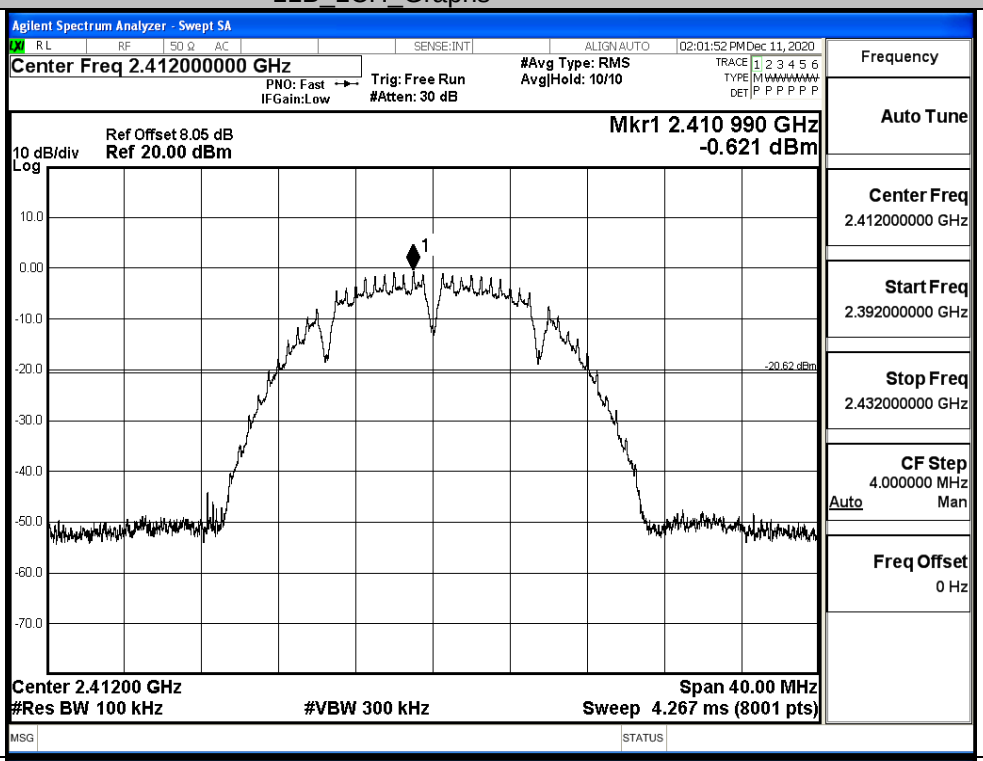
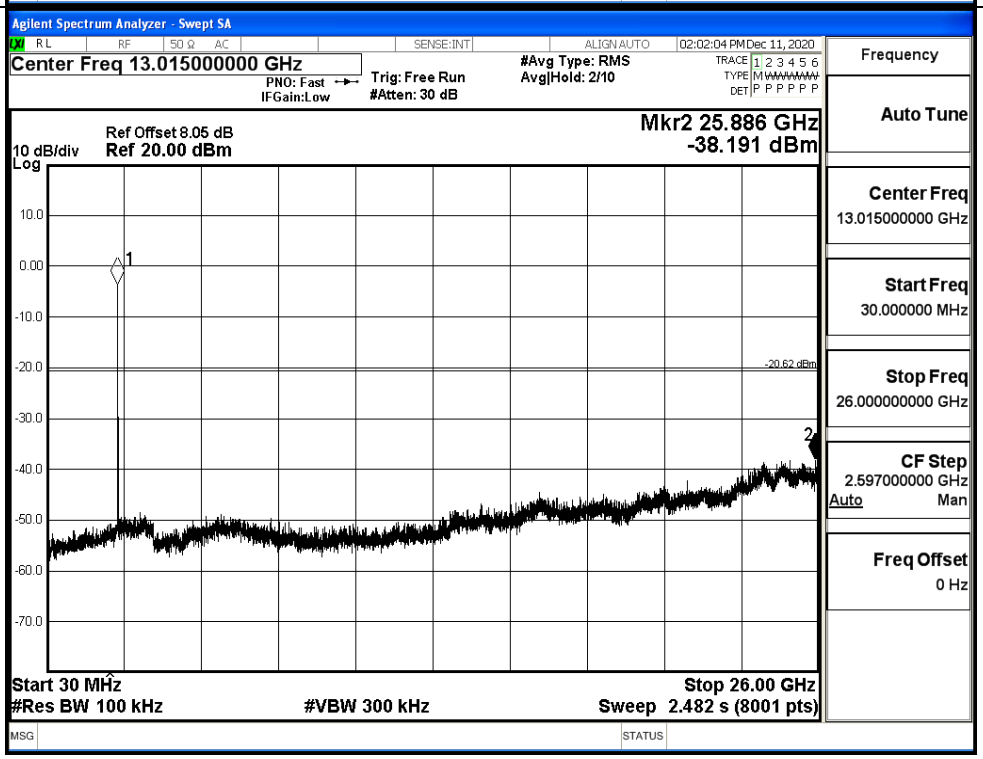
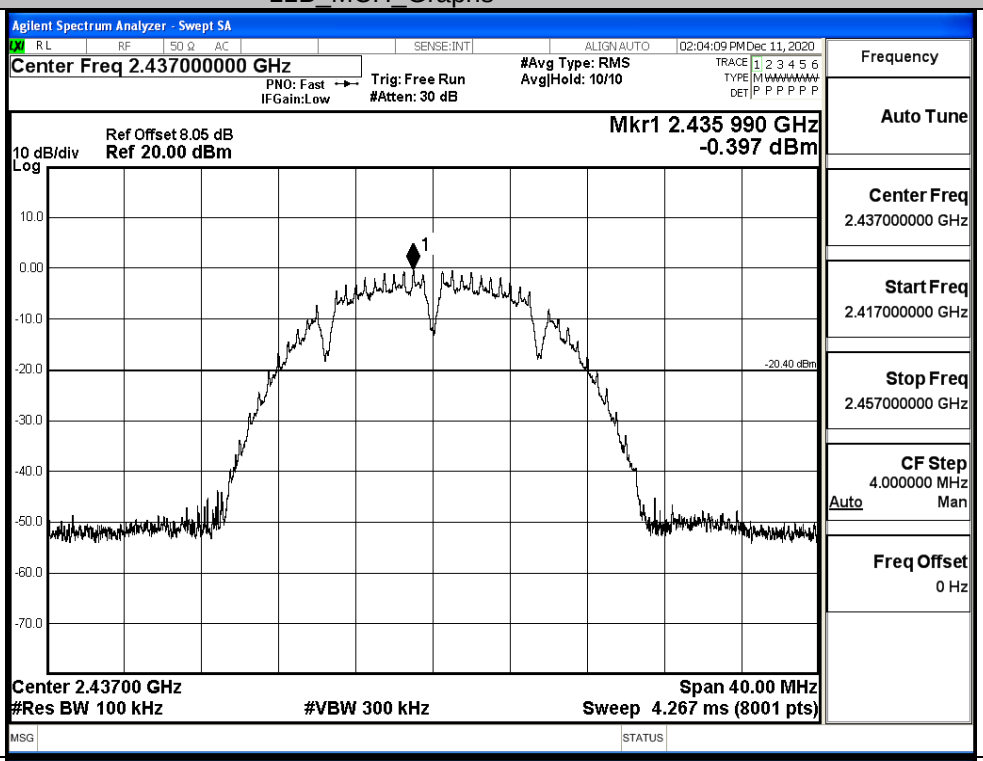
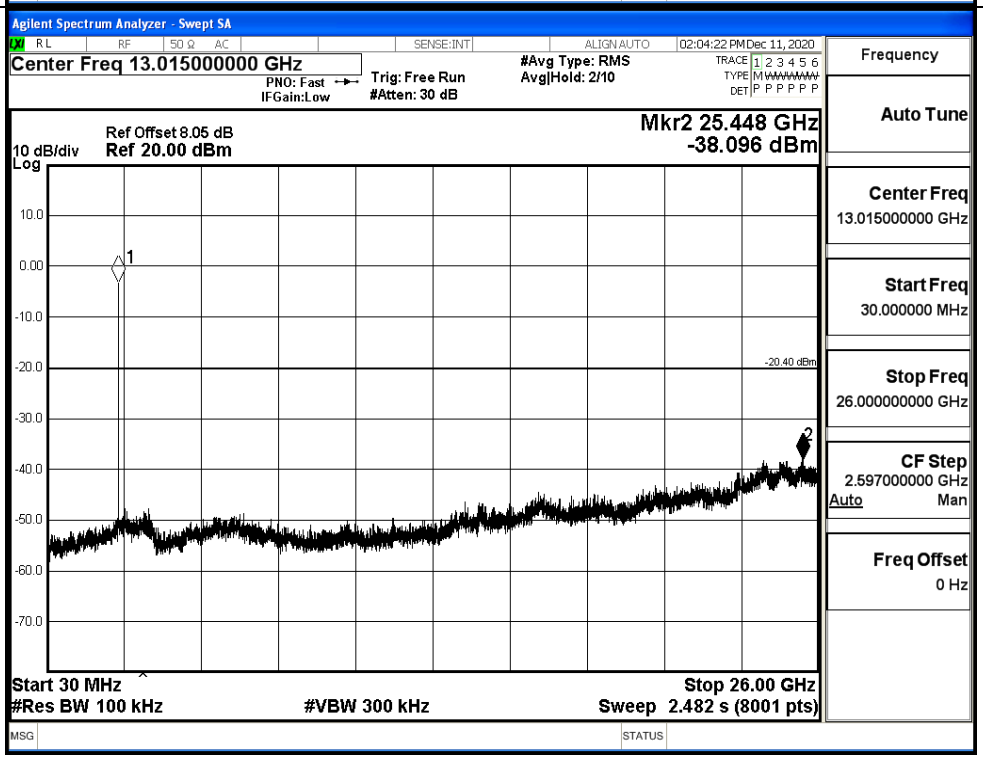
11N40SISO/MCH		
11N40SISO/HCH		

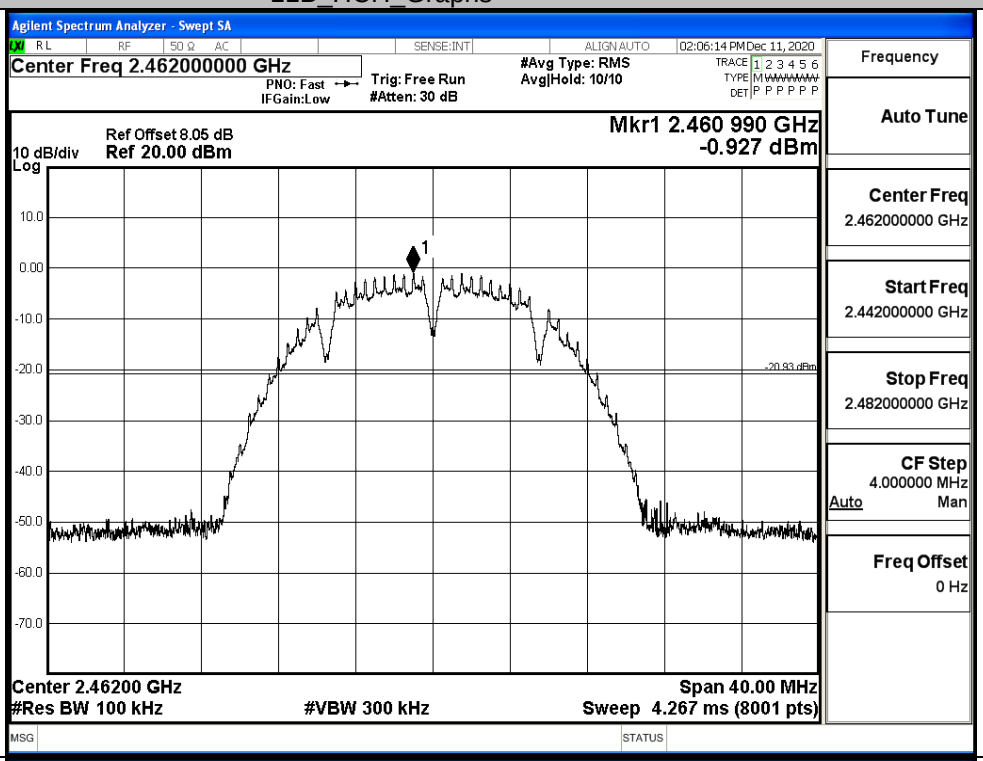
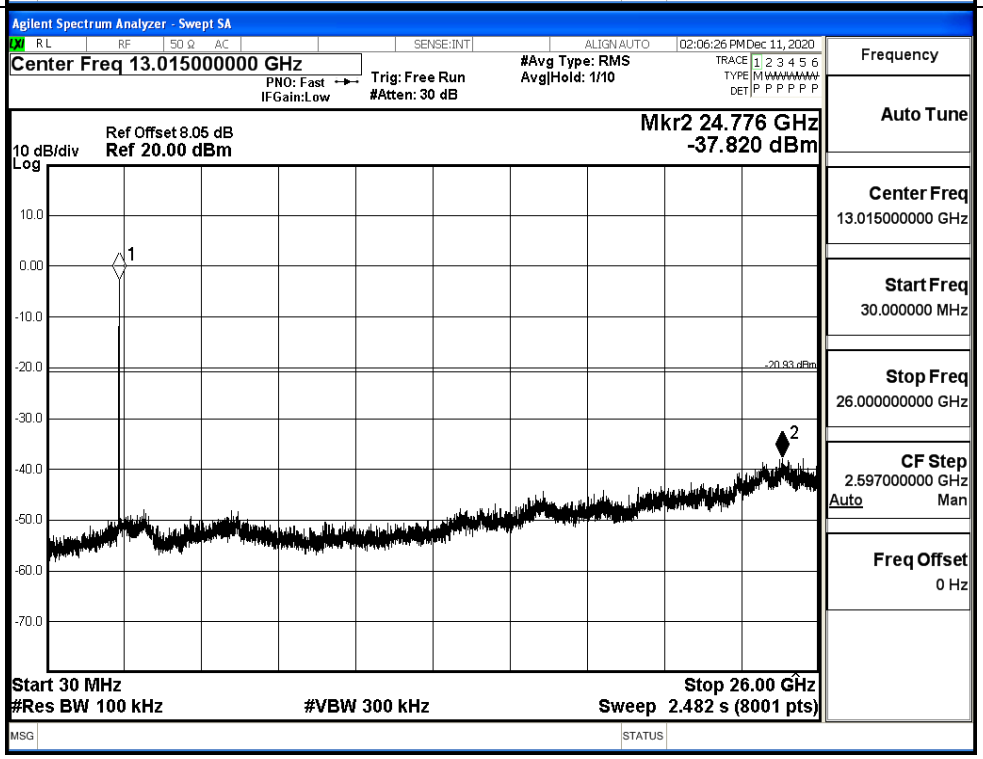
C.6 RF Conducted Spurious Emissions

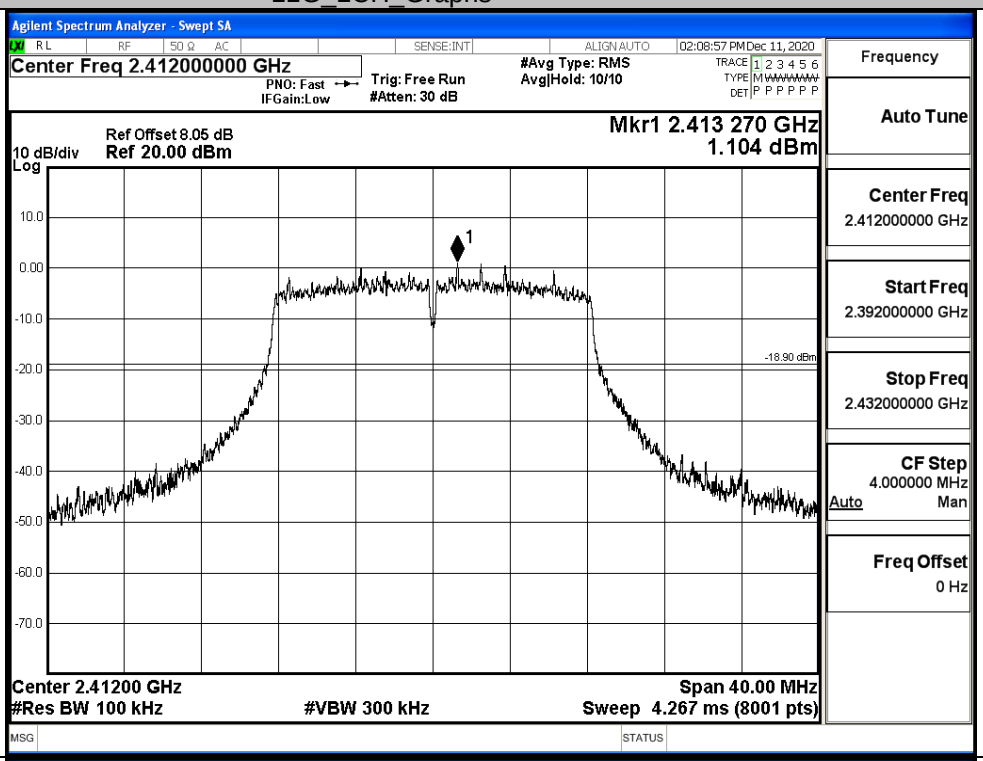
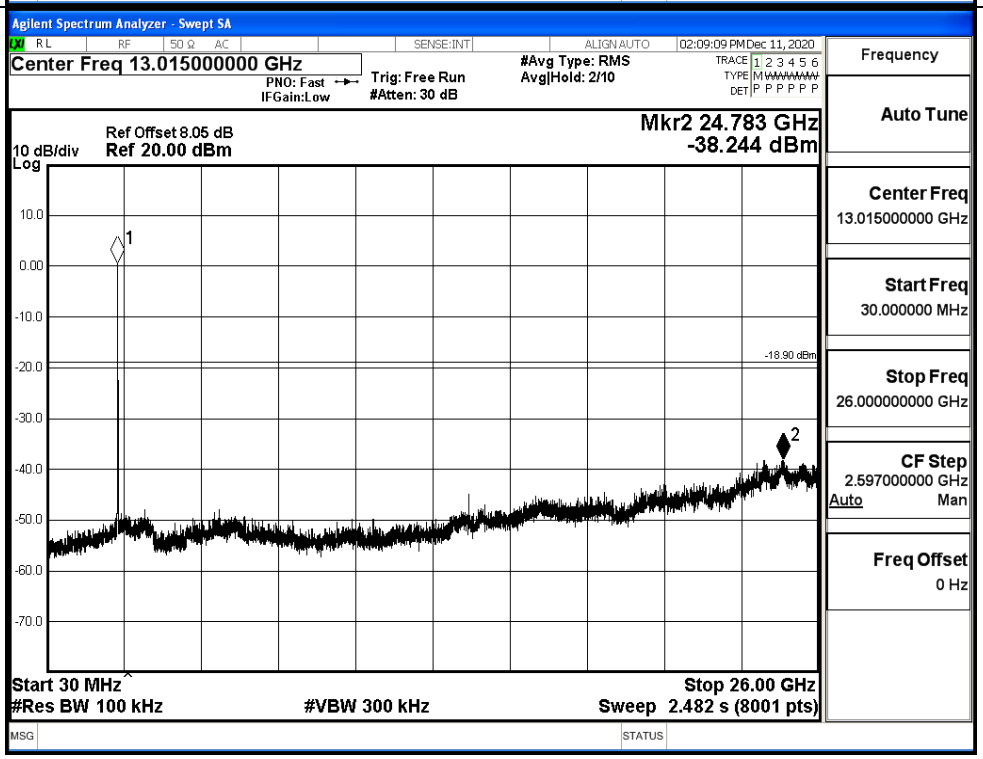
ANT0

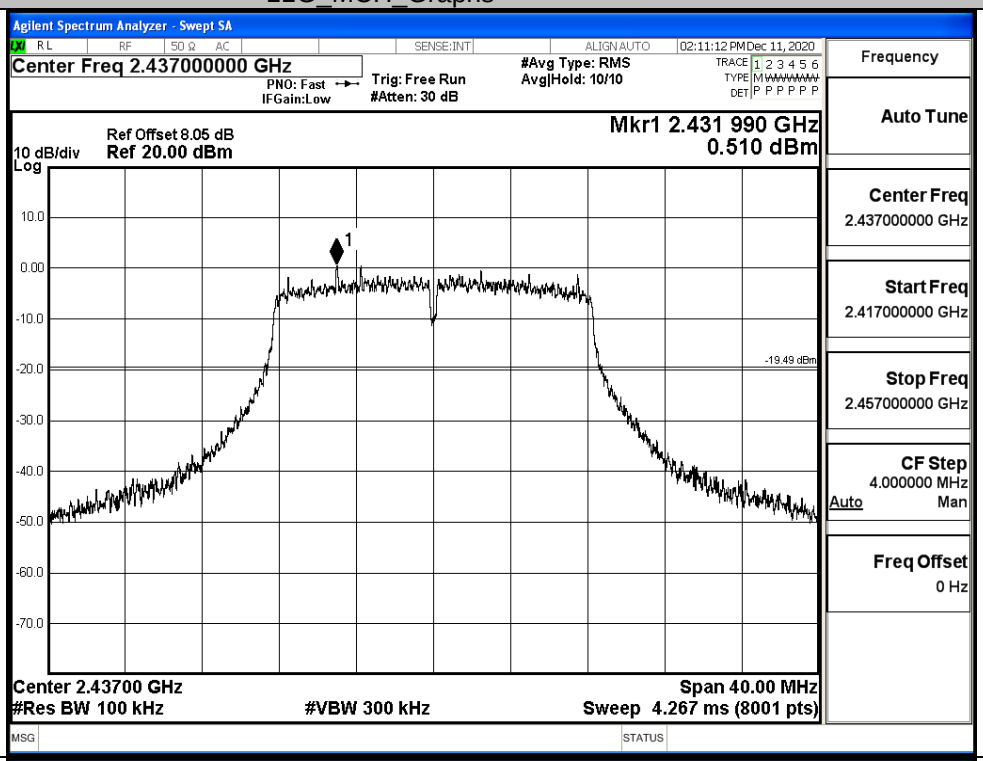
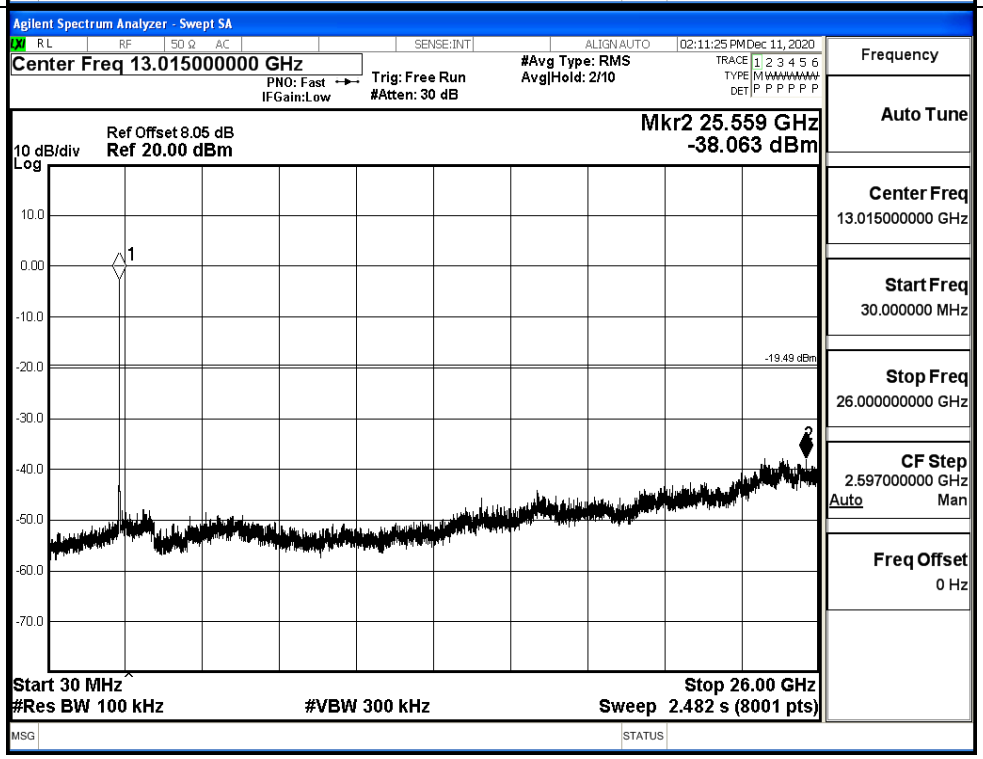
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	-0.621	-38.191	-20.621	PASS
	MCH	-0.397	-38.096	-20.397	PASS
	HCH	-0.927	-37.820	-20.927	PASS
11G	LCH	1.104	-38.244	-18.896	PASS
	MCH	0.51	-38.063	-19.490	PASS
	HCH	0.433	-38.153	-19.567	PASS
11N20 SISO	LCH	0.517	-37.833	-19.483	PASS
	MCH	0.434	-37.930	-19.566	PASS
	HCH	-0.247	-37.679	-20.247	PASS
11N40 SISO	LCH	-2.158	-37.607	-22.158	PASS
	MCH	-2.056	-37.439	-22.056	PASS
	HCH	-2.559	-38.034	-22.559	PASS

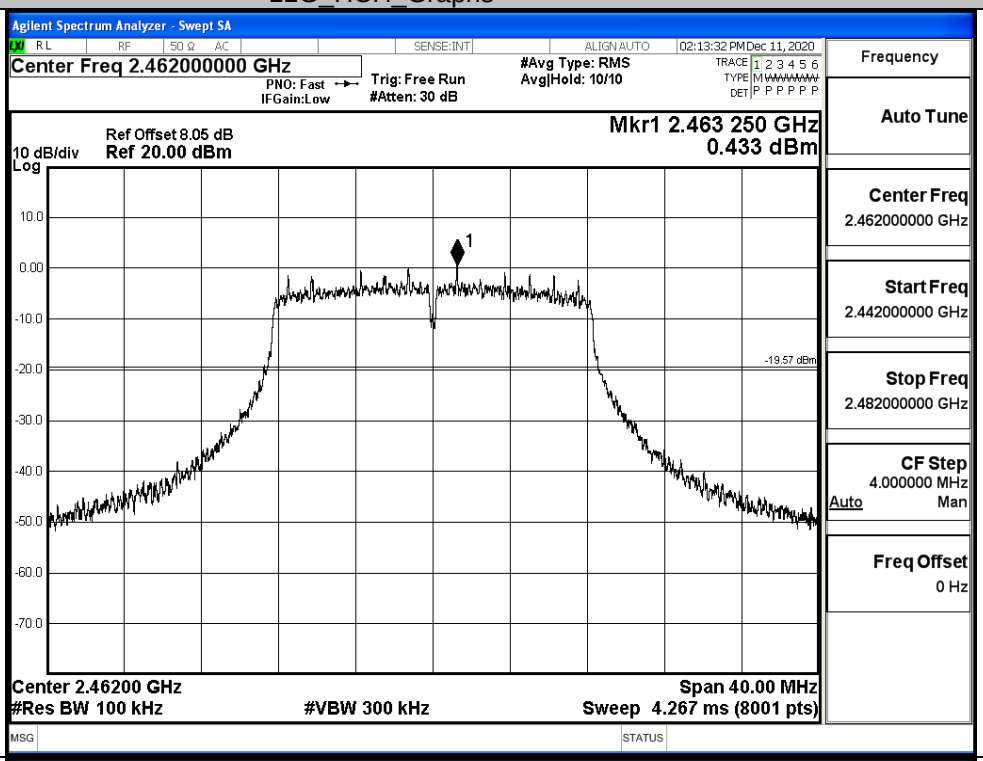
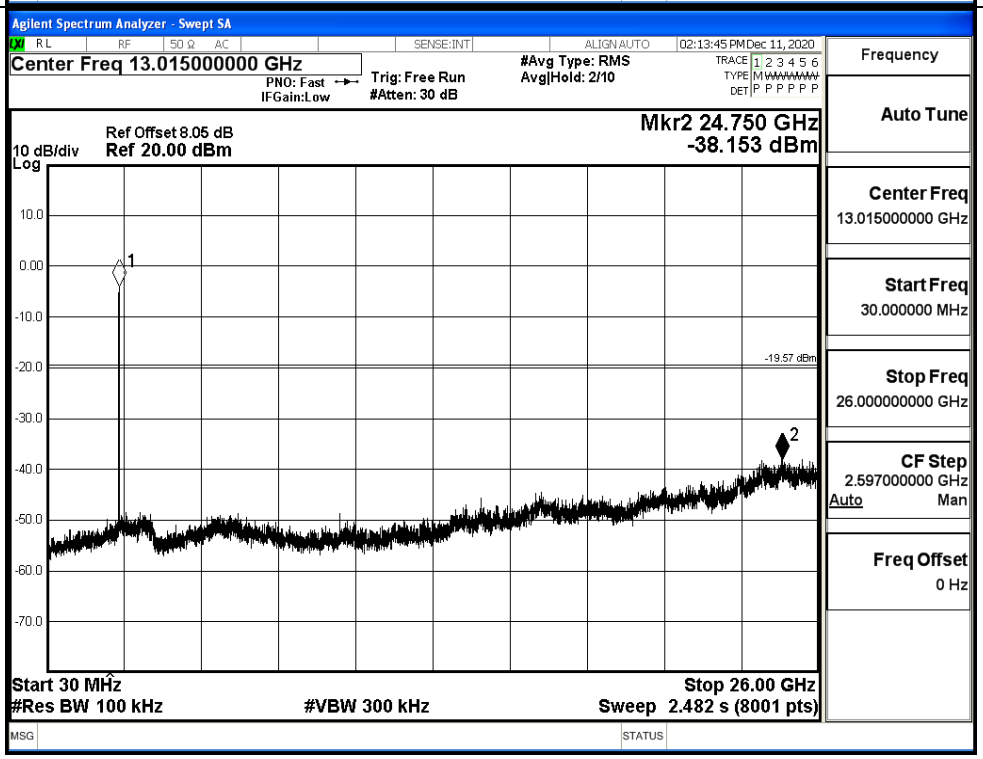
11B_LCH_Graphs		
Pref/11B/LCH		
Puw/11B/LCH		

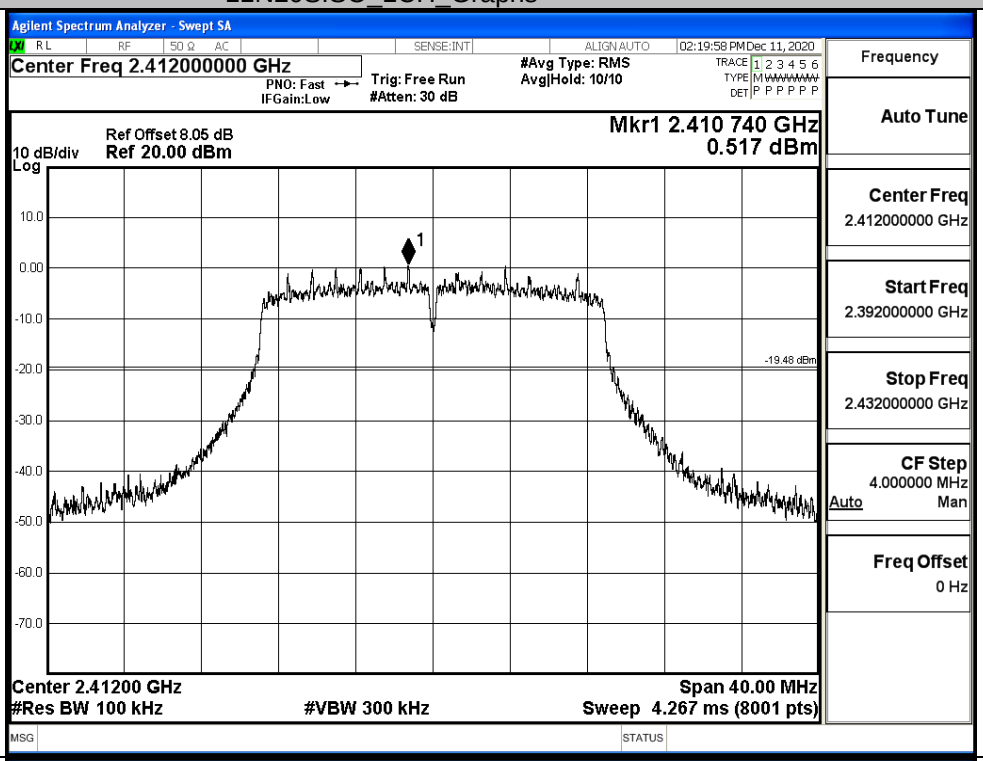
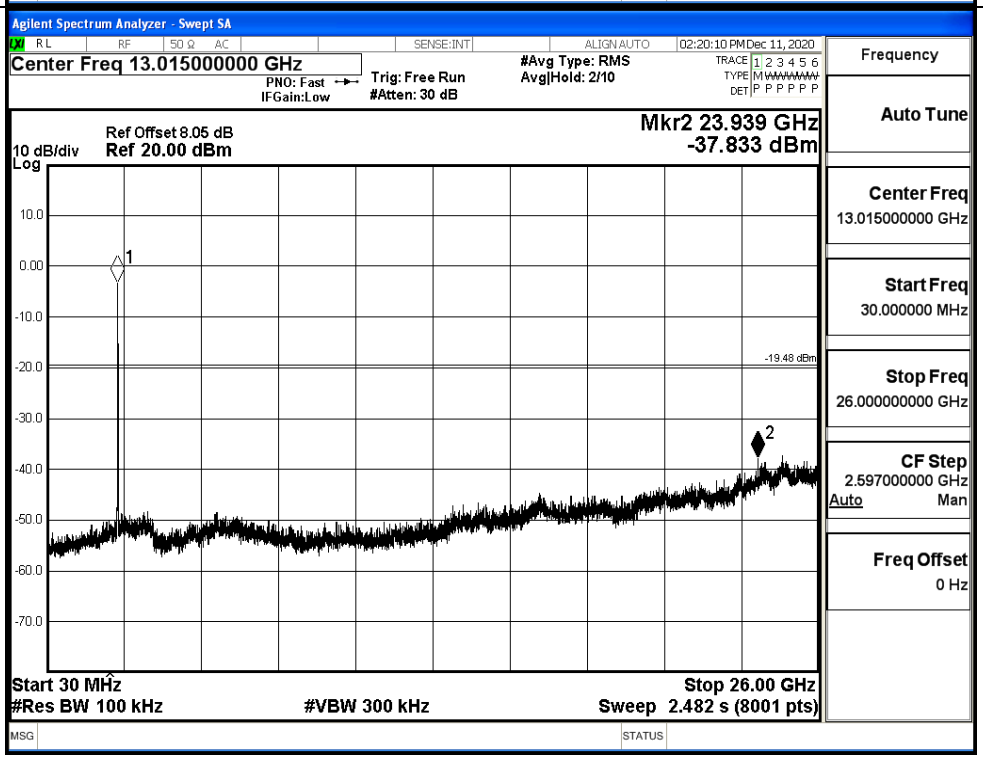
11B_MCH_Graphs		
Pref/11B/MCH		
Puw/11B/MCH		

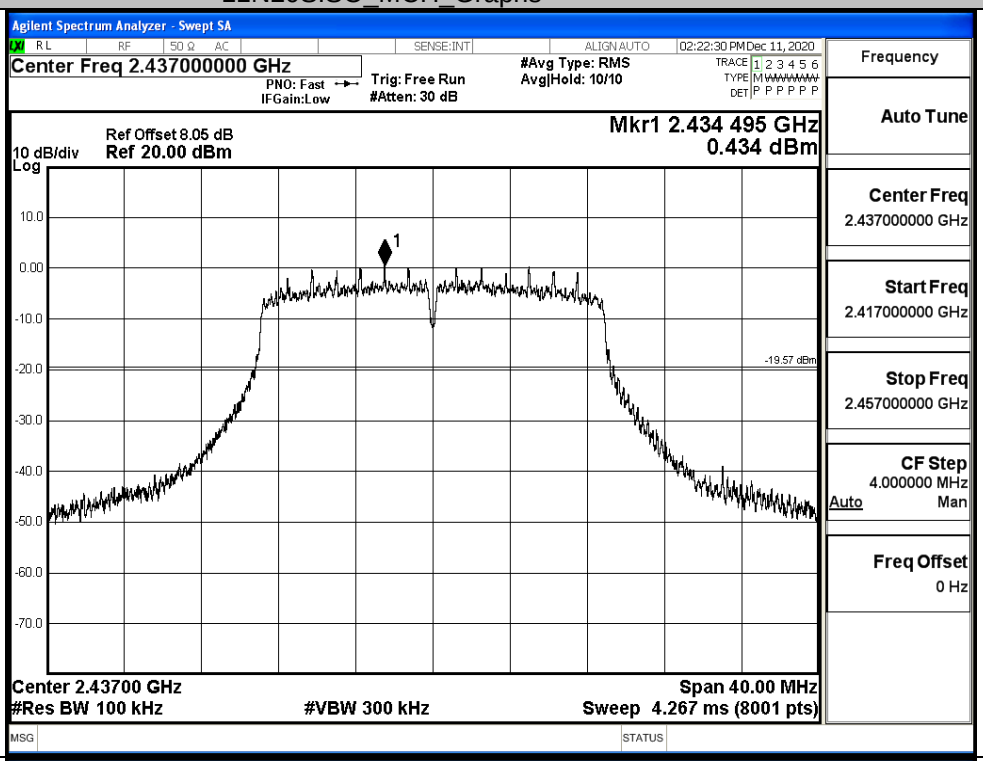
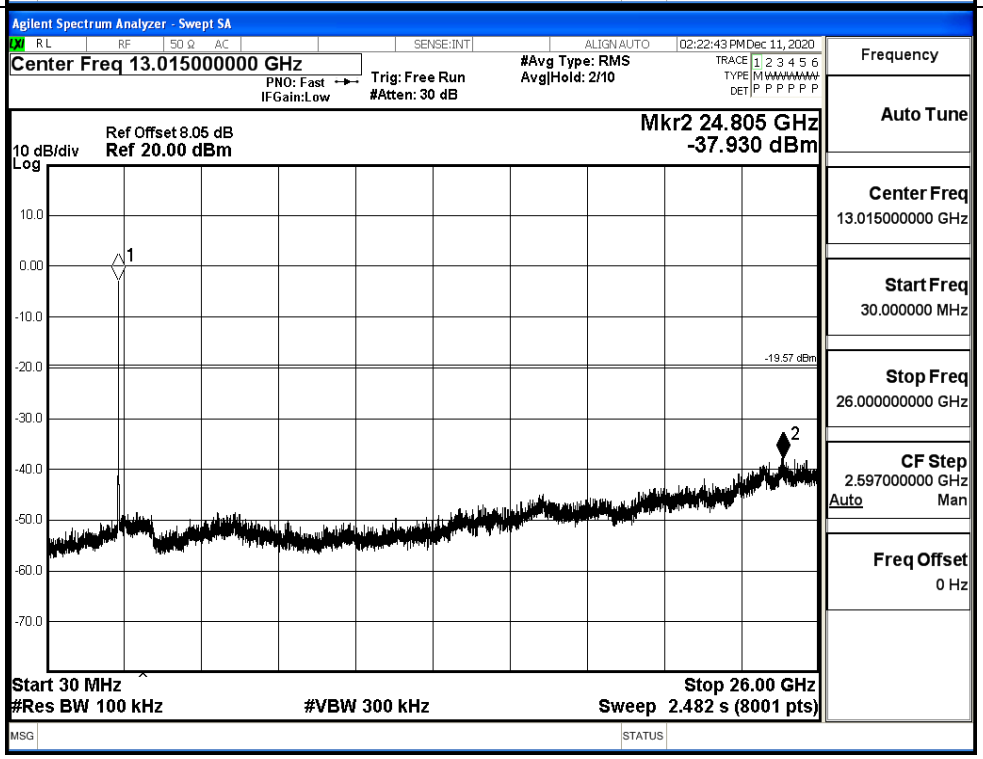
11B_HCH_Graphs		
Pref/11B/HCH		
Puw/11B/HCH		

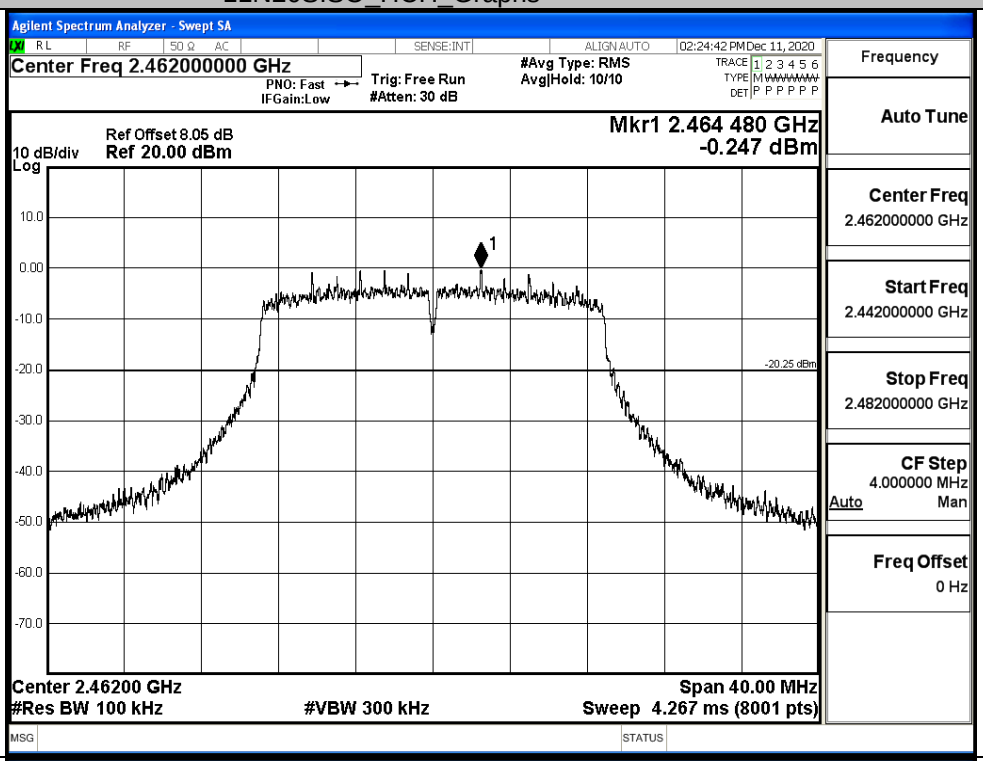
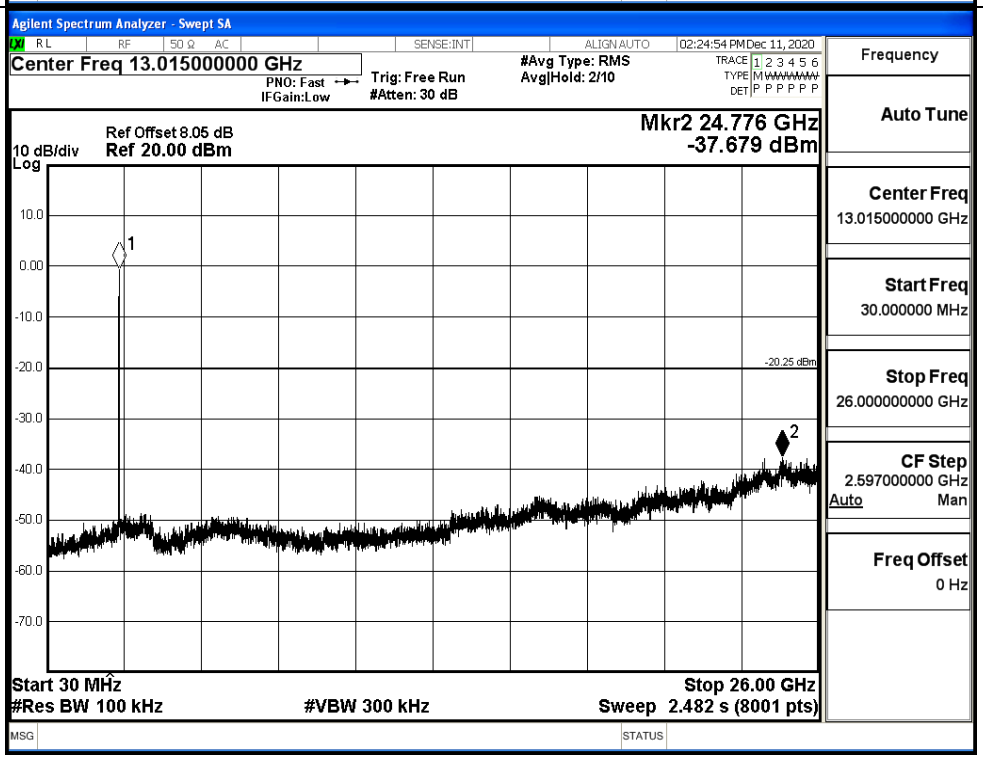
11G_LCH_Graphs		
Pref/11G/LCH		
Puw/11G/LCH		

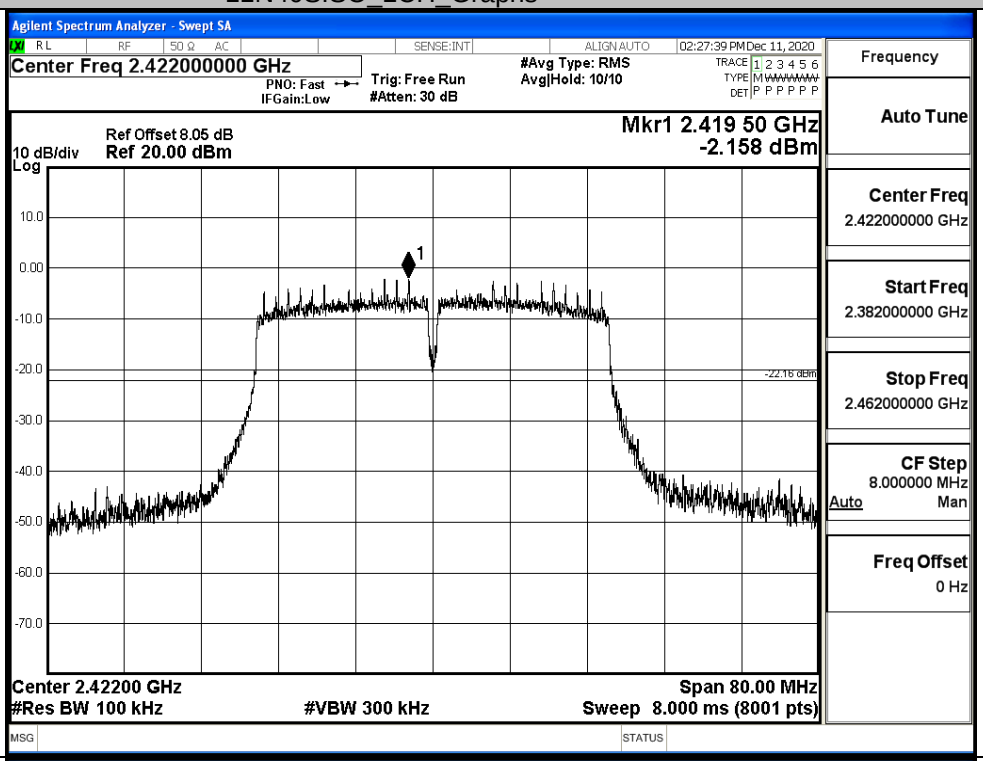
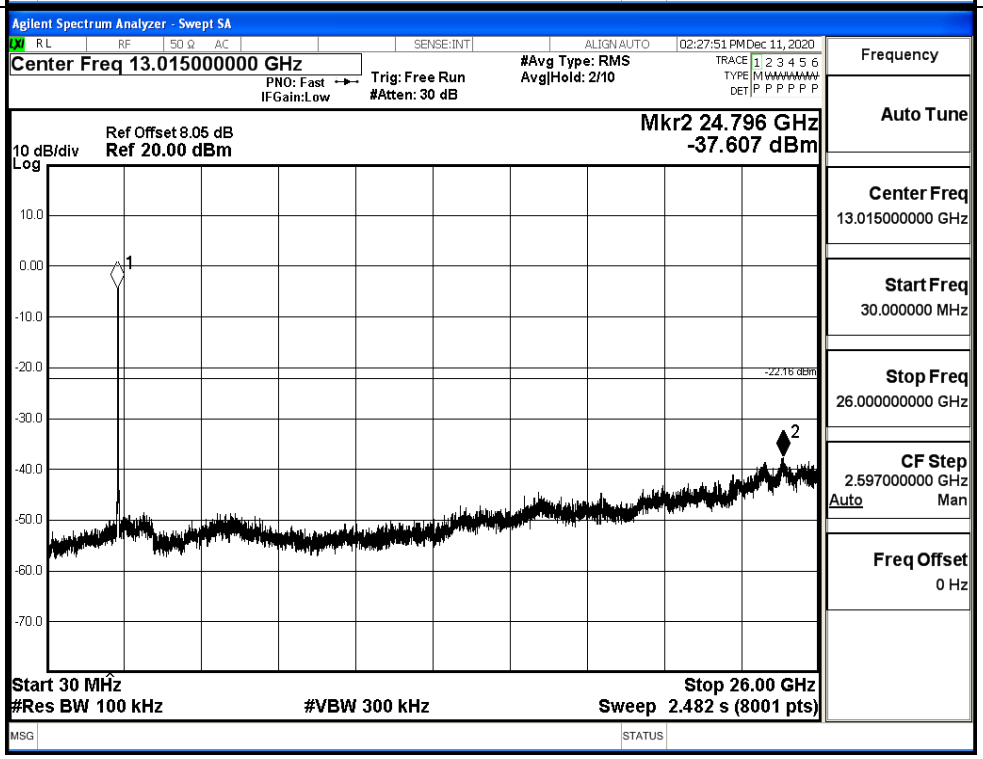
11G_MCH_Graphs	
Pref/11G/MCH	
Puw/11G/MCH	

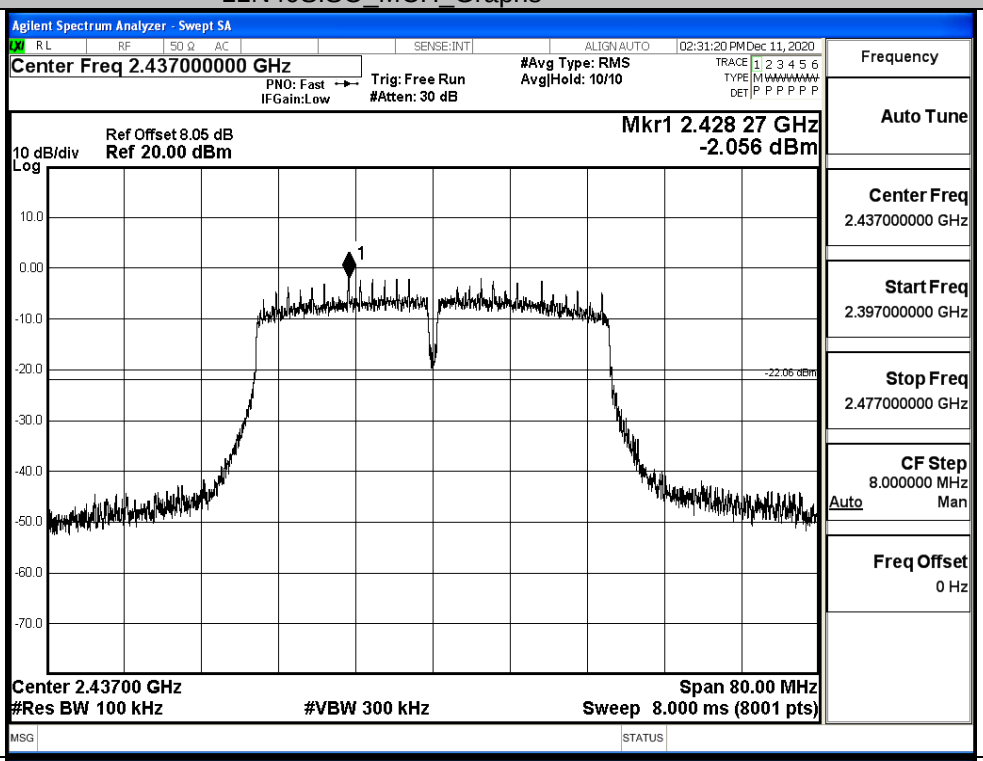
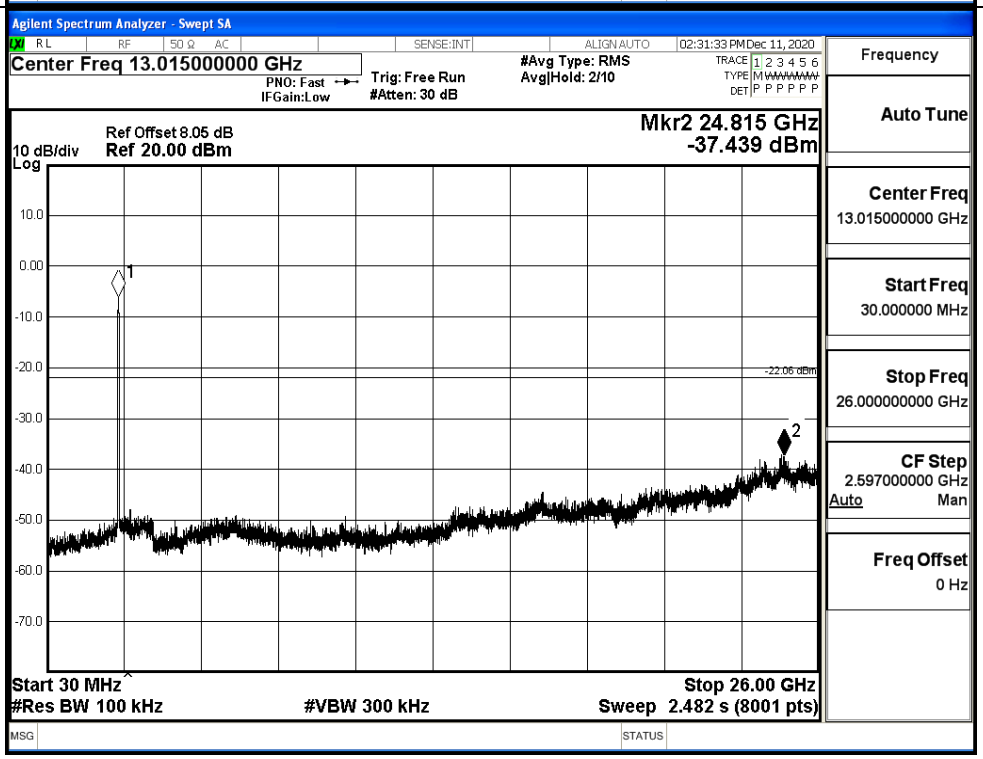
11G_HCH_Graphs		
Pref/11G/HCH		
Puw/11G/HCH		

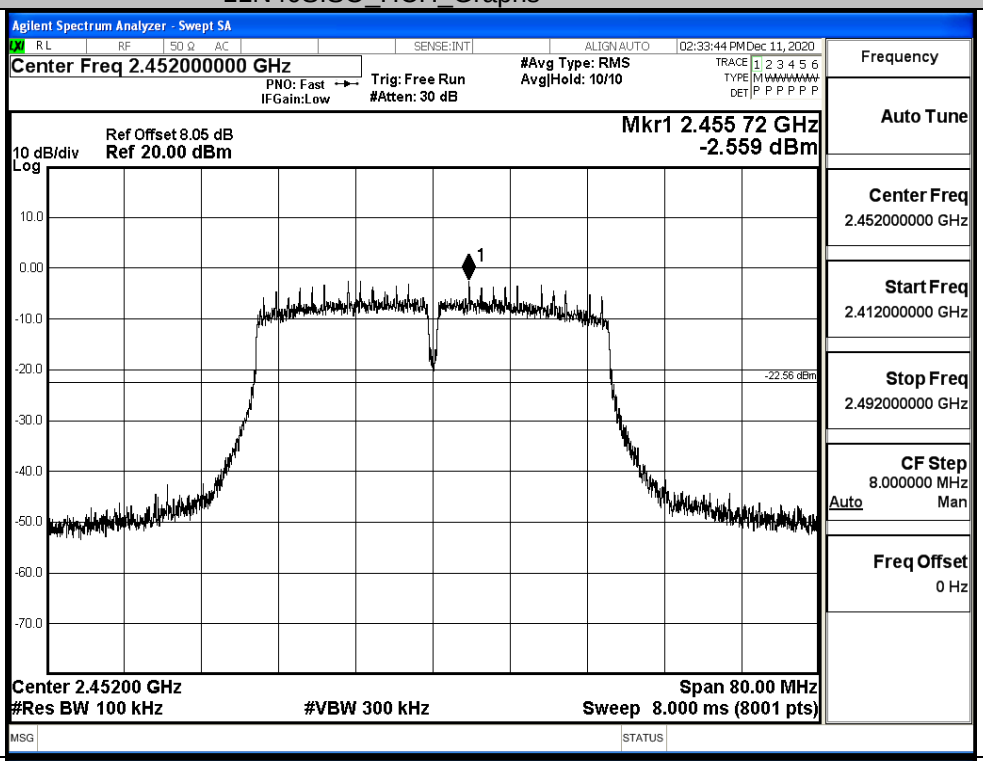
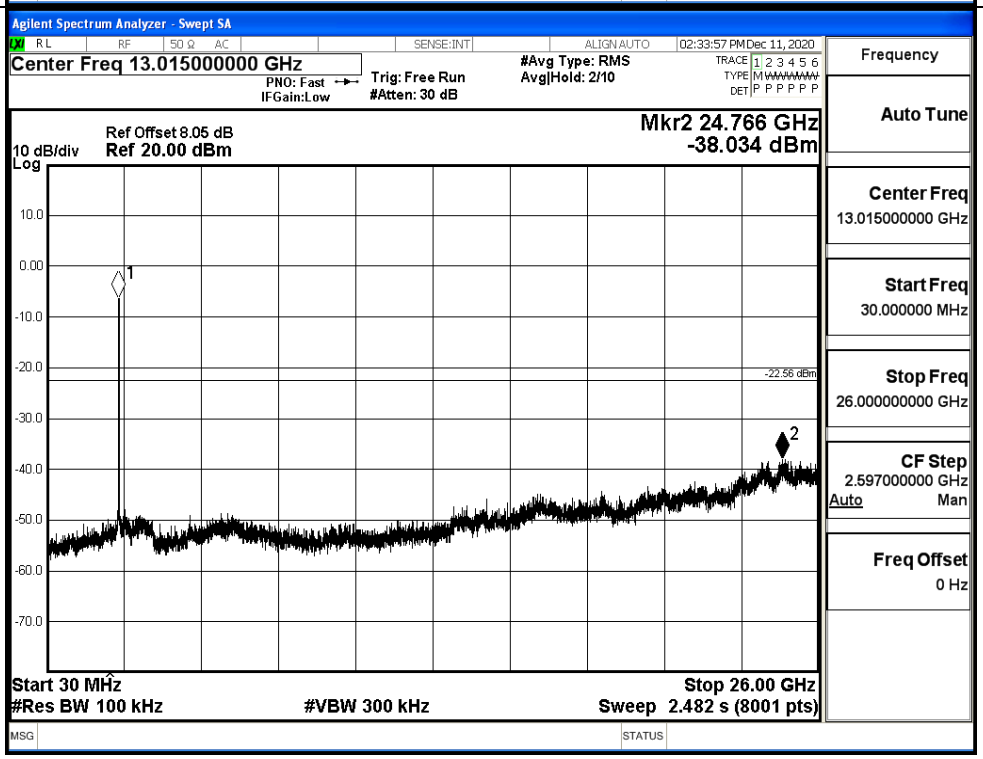
11N20SISO_LCH_Graphs		
Pref/11N20SISO/LCH		
Puw/11N20SISO/LCH		

11N20SISO_MCH_Graphs	
Pref/11N20 SISO/MCH	
Puw/11N20 SISO/MCH	

11N20SISO_HCH_Graphs	
Pref/11N20 SISO/HCH	
Puw/11N20 SISO/HCH	

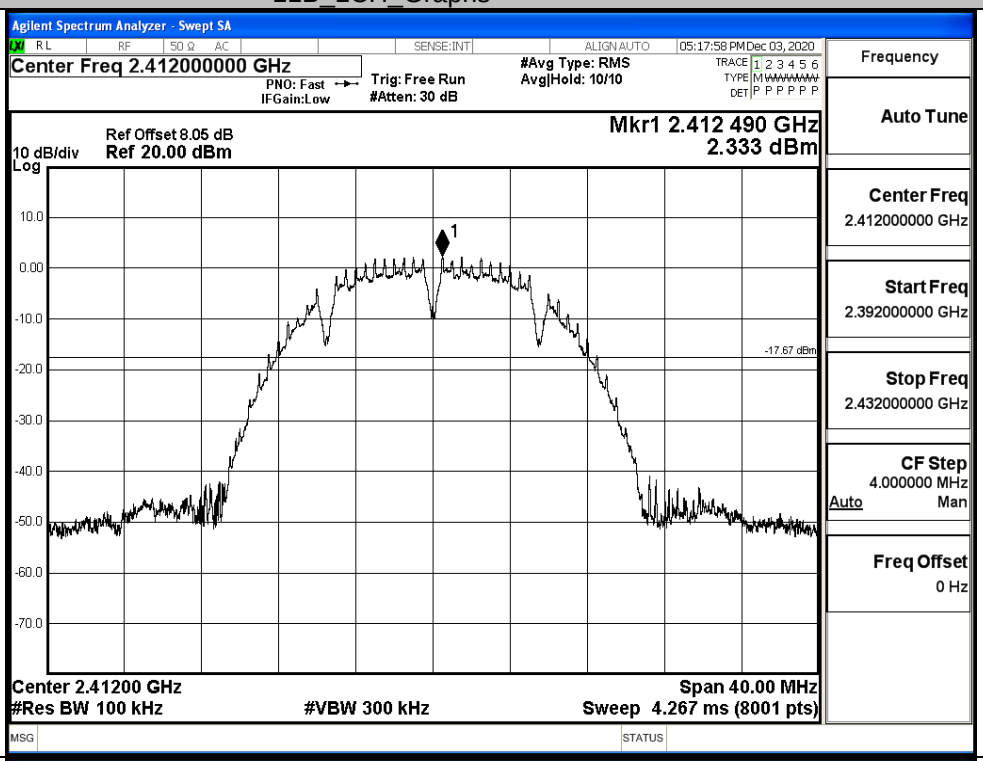
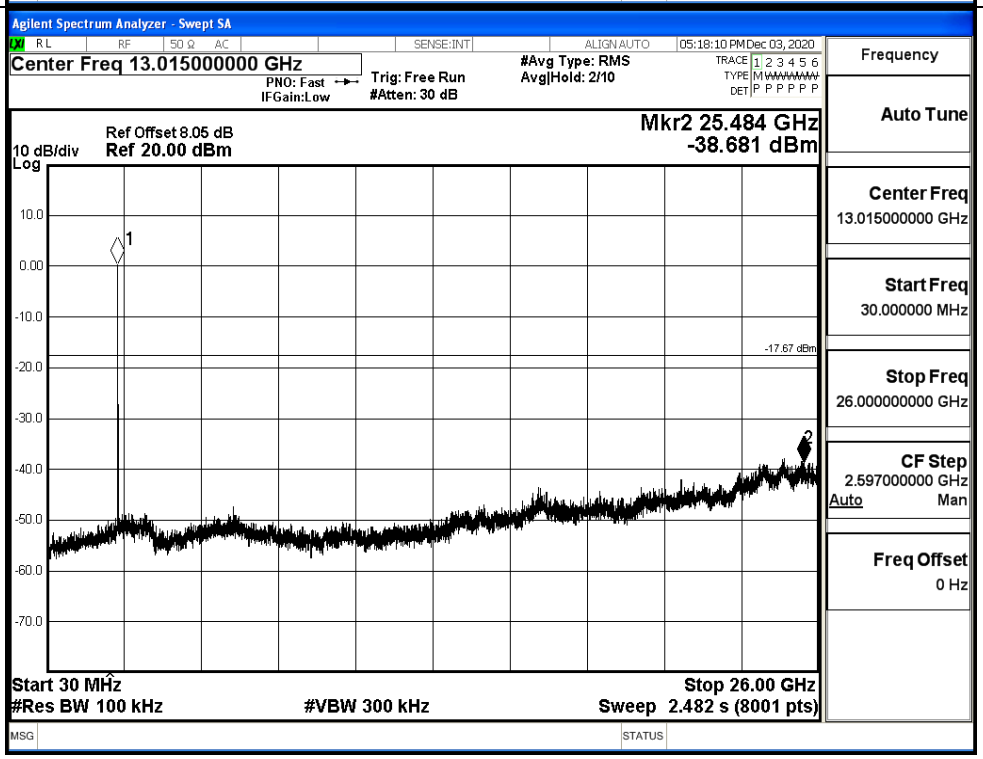
11N40SISO_LCH_Graphs	
Pref/11N40 SISO/LCH	
Puw/11N40 SISO/LCH	

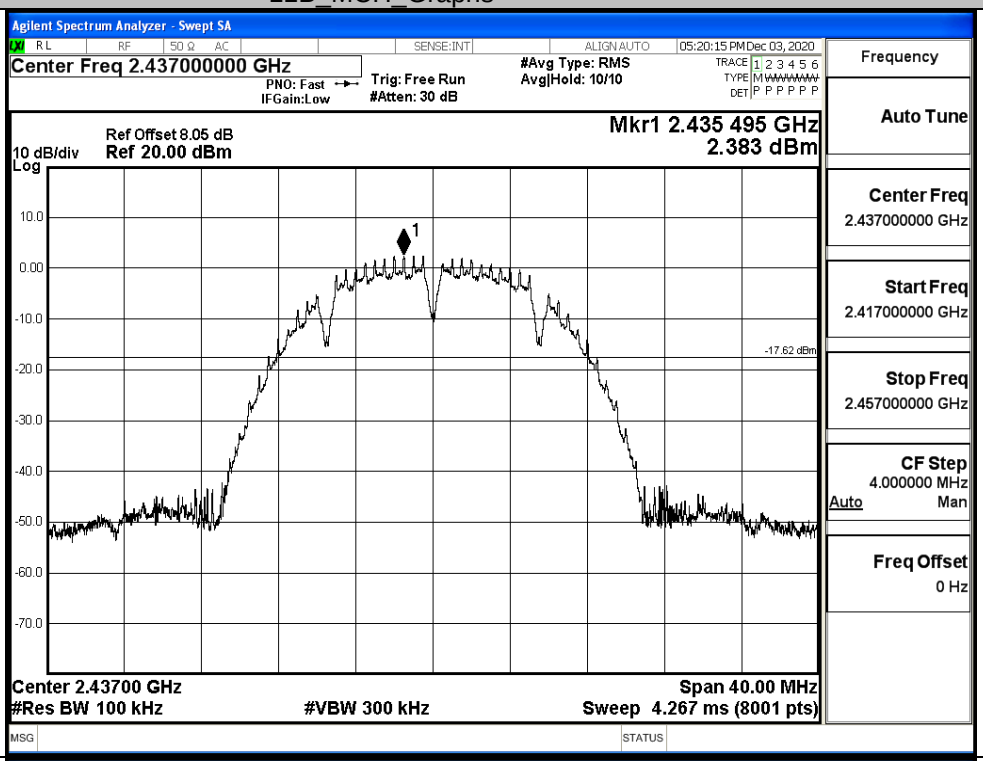
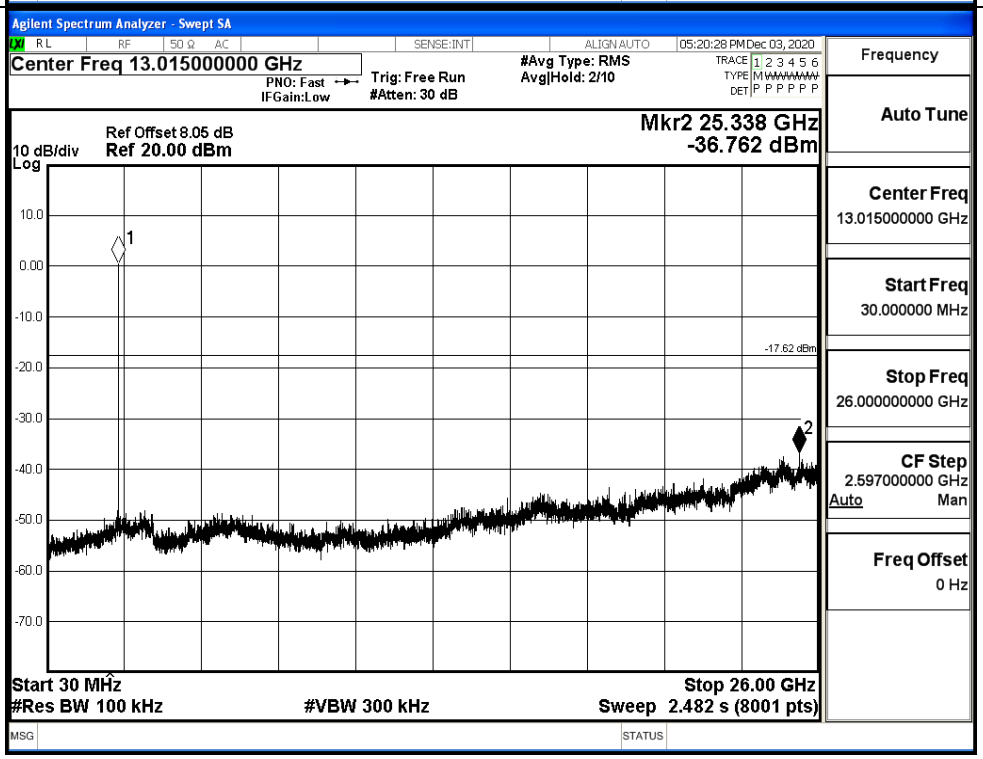
11N40SISO_MCH_Graphs	
Pref/11N40 SISO/MCH	
Puw/11N40 SISO/MCH	

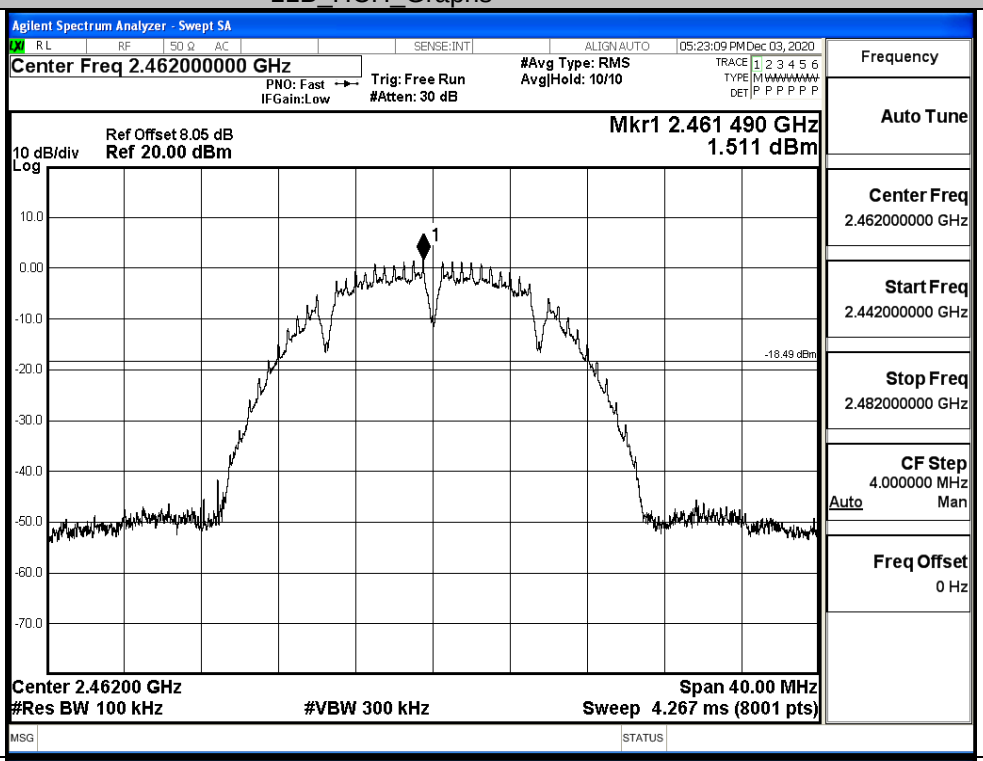
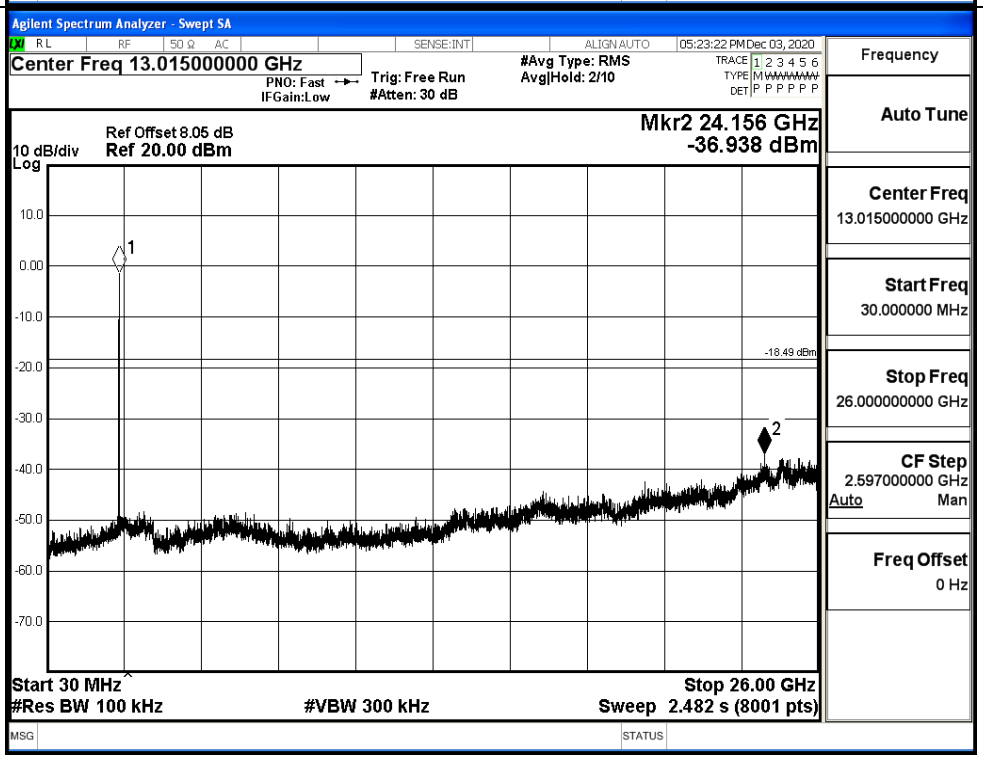
11N40SISO_HCH_Graphs	
Pref/11N40 SISO/HCH	
Puw/11N40 SISO/HCH	

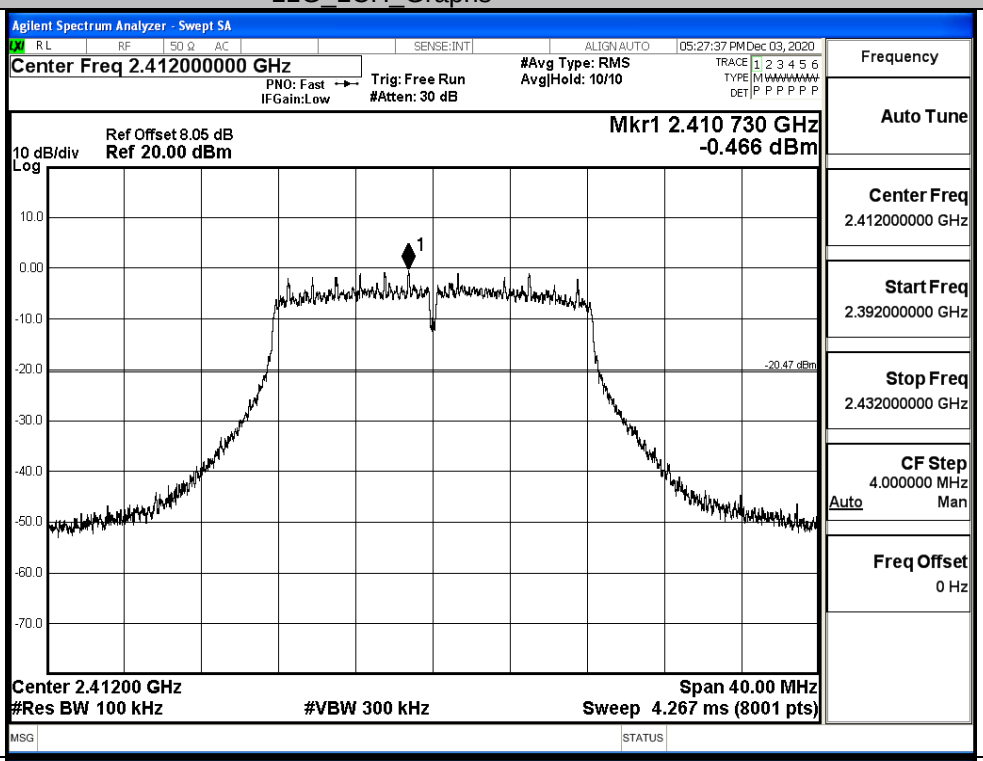
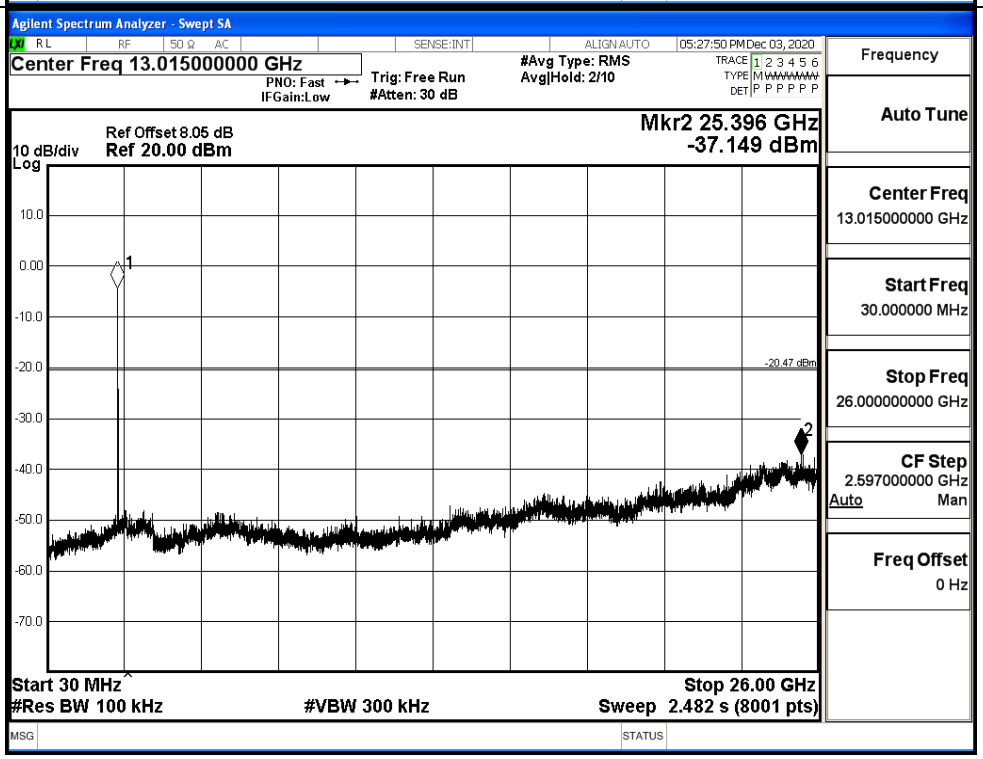
ANT1

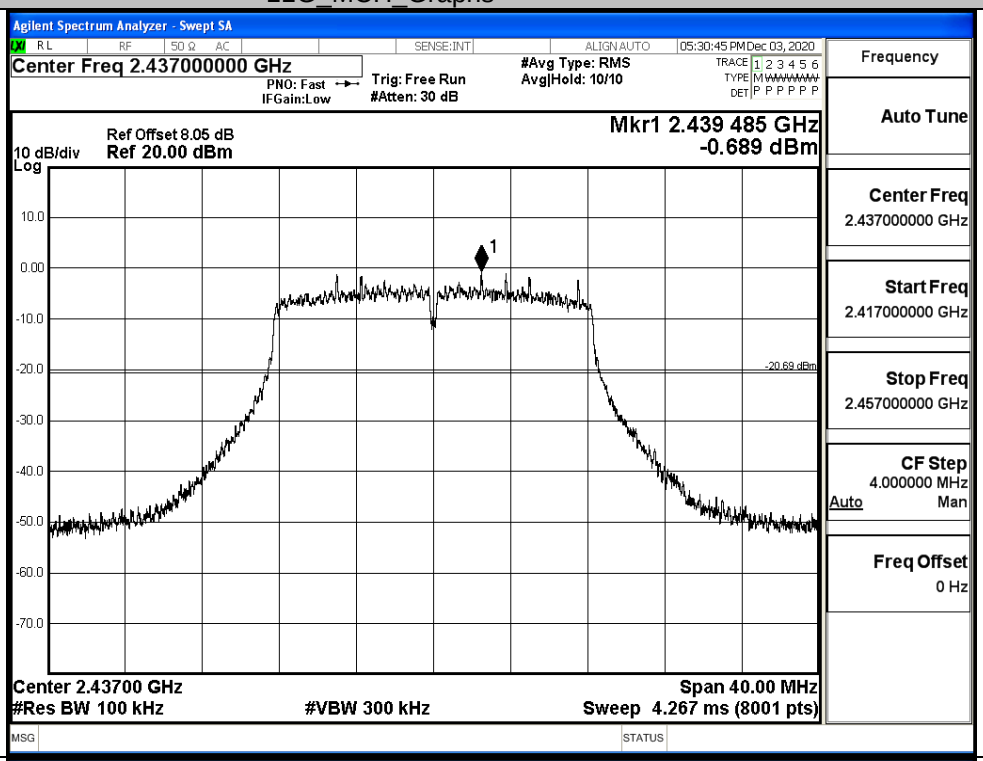
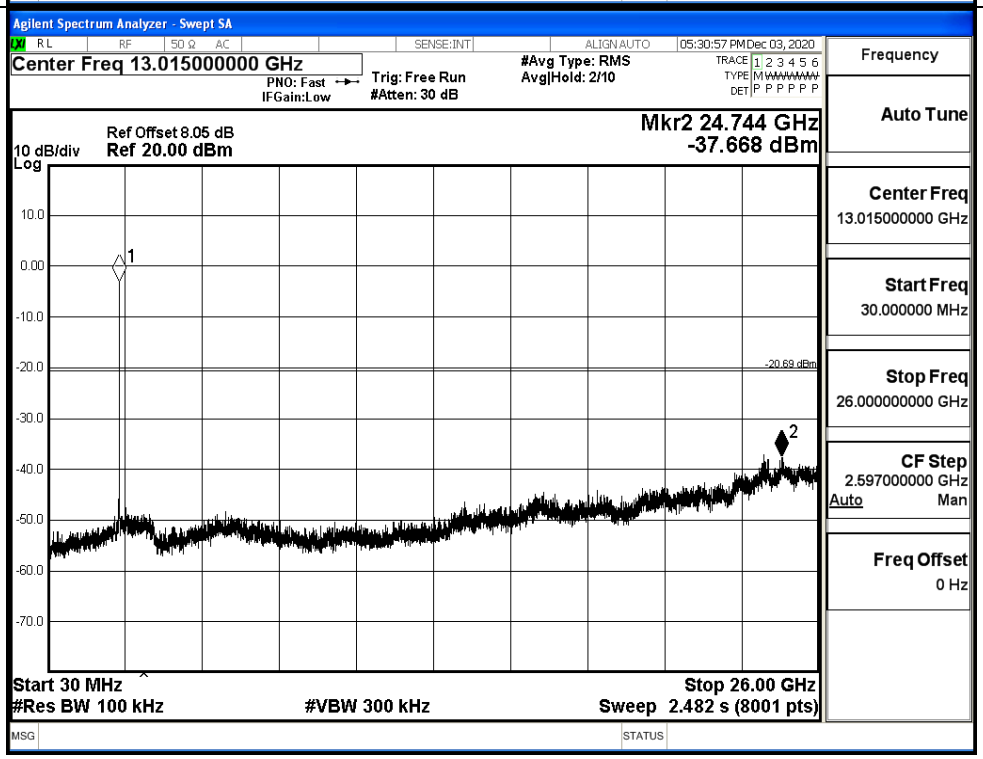
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	2.333	-38.681	-17.667	PASS
	MCH	2.383	-36.762	-17.617	PASS
	HCH	1.511	-36.938	-18.489	PASS
11G	LCH	-0.466	-37.149	-20.466	PASS
	MCH	-0.689	-37.668	-20.689	PASS
	HCH	-1.656	-37.674	-21.656	PASS
11N20 SISO	LCH	-0.593	-38.069	-20.593	PASS
	MCH	-0.287	-37.369	-20.287	PASS
	HCH	-1.253	-38.300	-21.253	PASS
11N40 SISO	LCH	-3.365	-37.864	-23.365	PASS
	MCH	-3.426	-37.328	-23.426	PASS
	HCH	-4.226	-38.173	-24.226	PASS

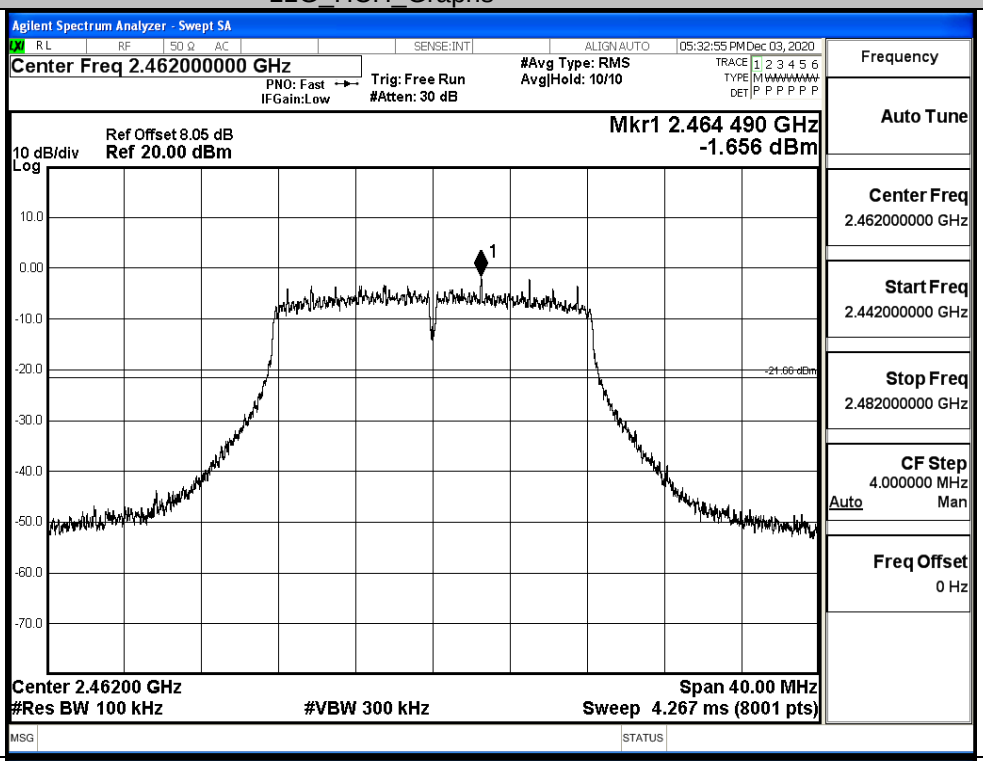
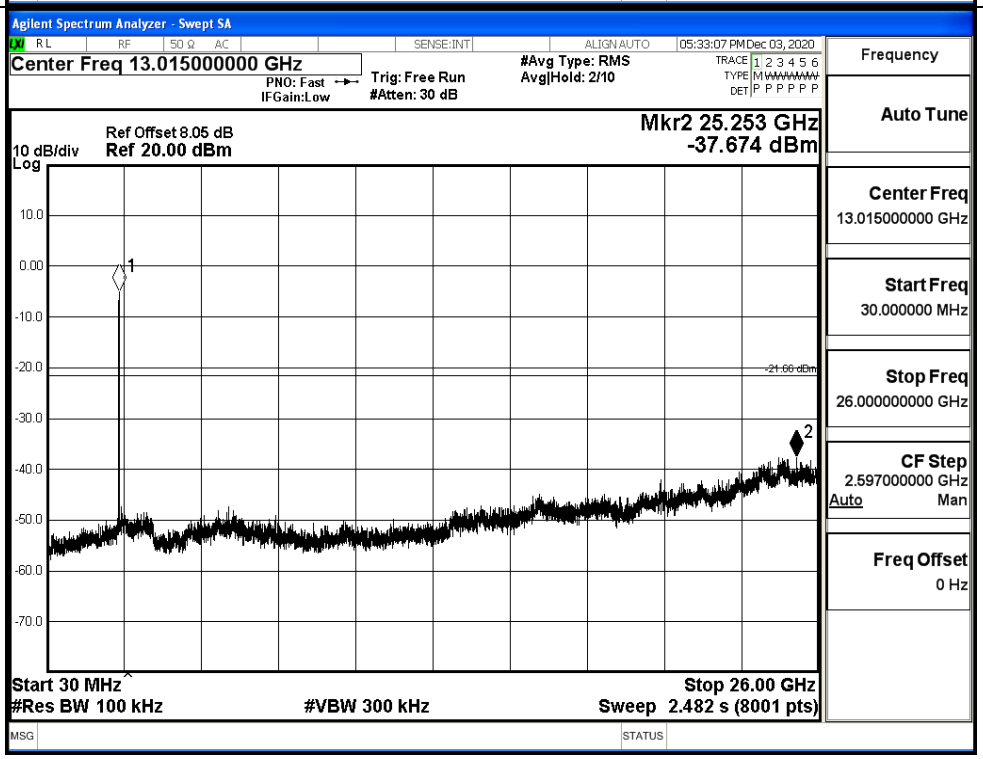
11B_LCH_Graphs		
Pref/11B/LCH		
Puw/11B/LCH		

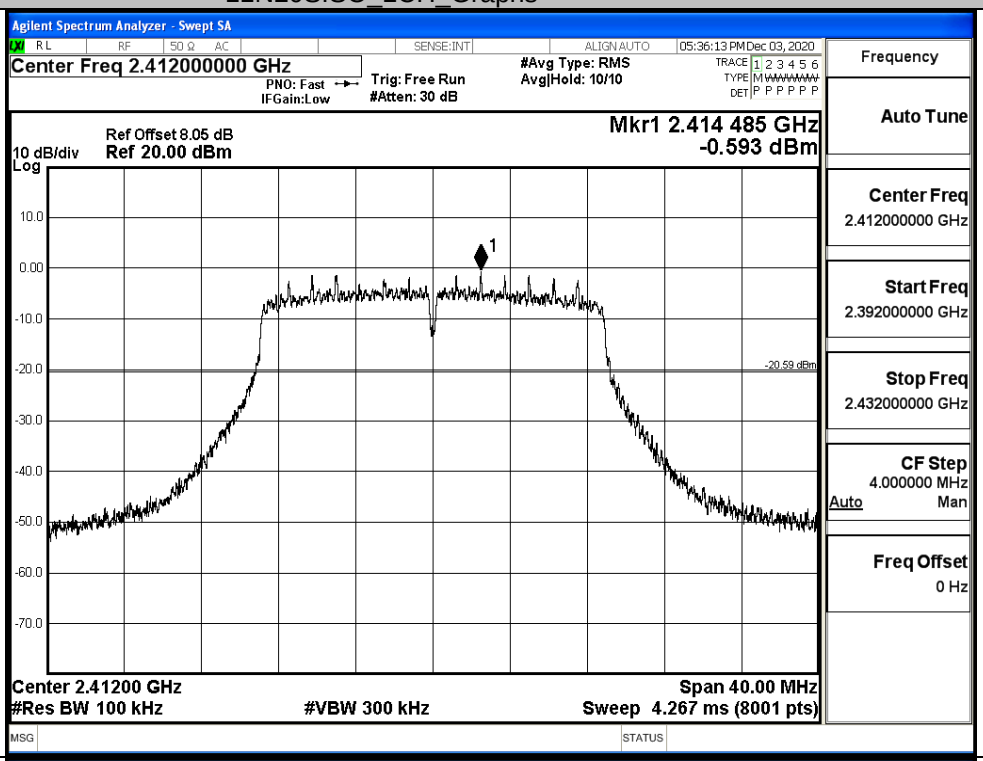
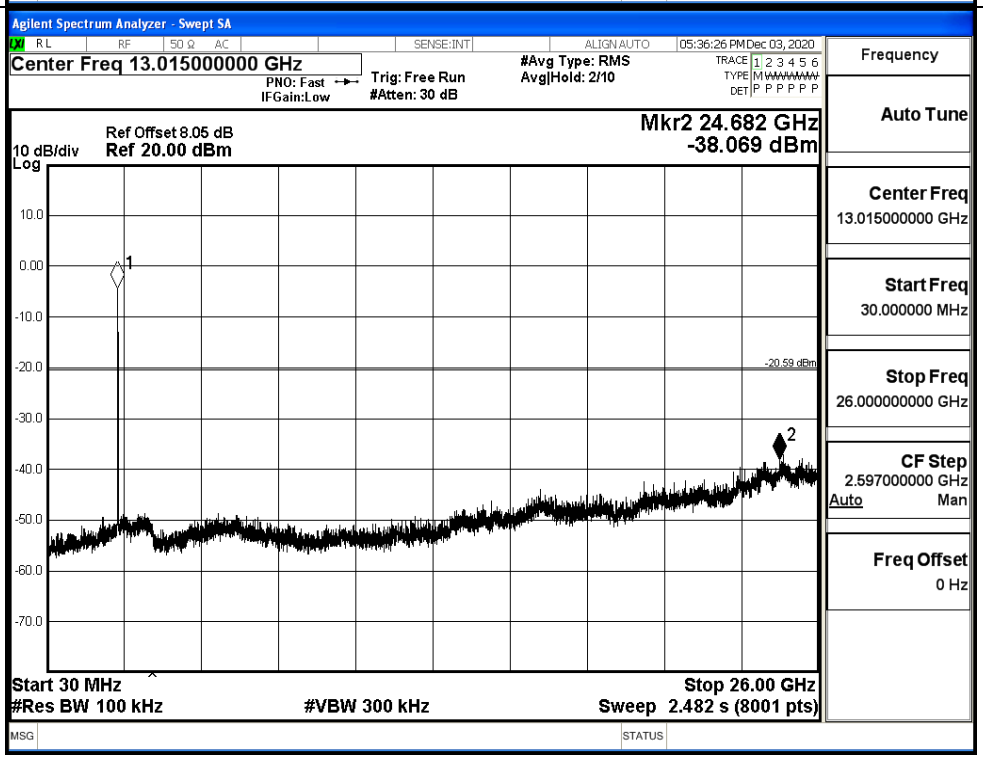
11B_MCH_Graphs		
Pref/11B/MCH		
Puw/11B/MCH		

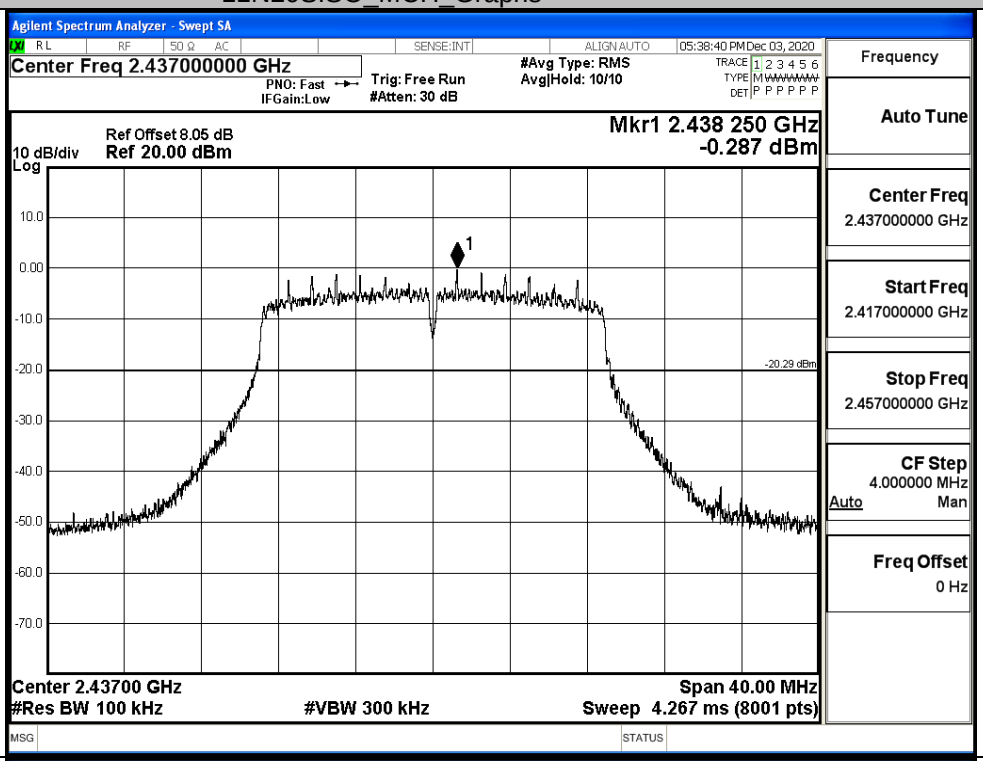
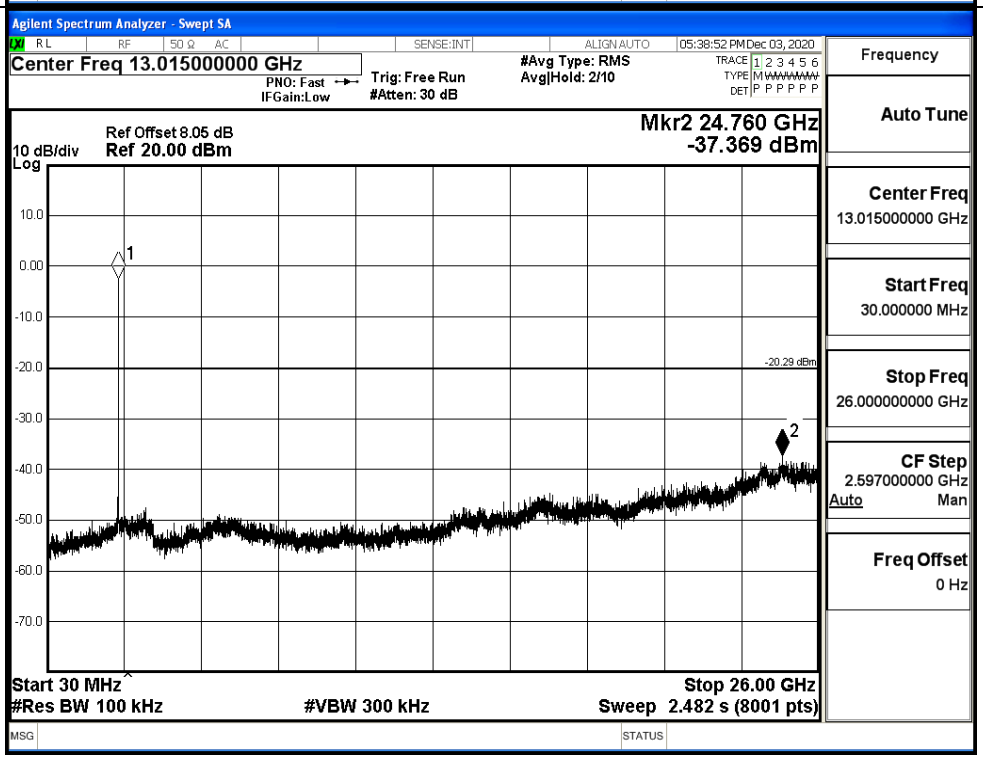
11B_HCH_Graphs		
Pref/11B/HCH		
Puw/11B/HCH		

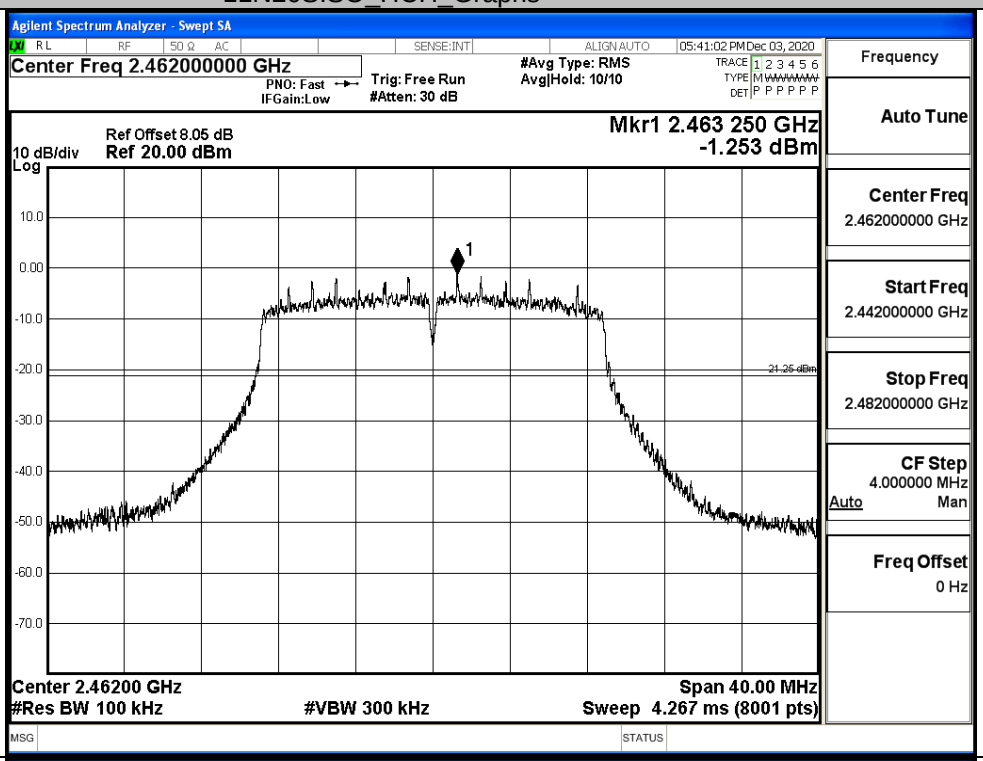
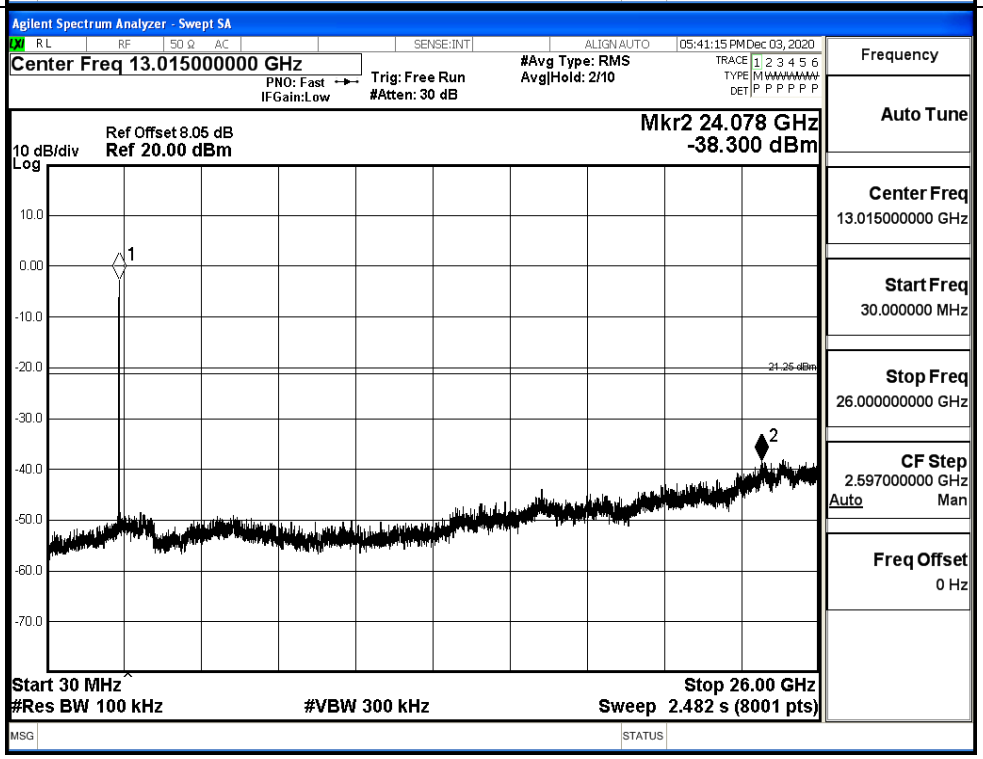
11G_LCH_Graphs		
Pref/11G/LCH		
Puw/11G/LCH		

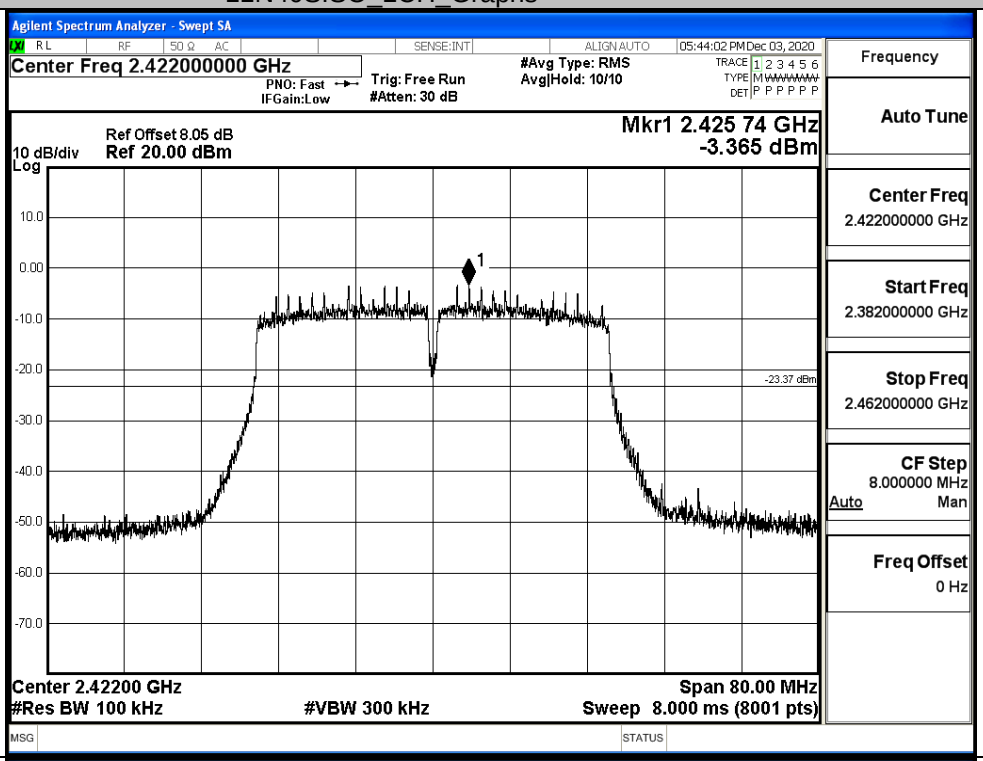
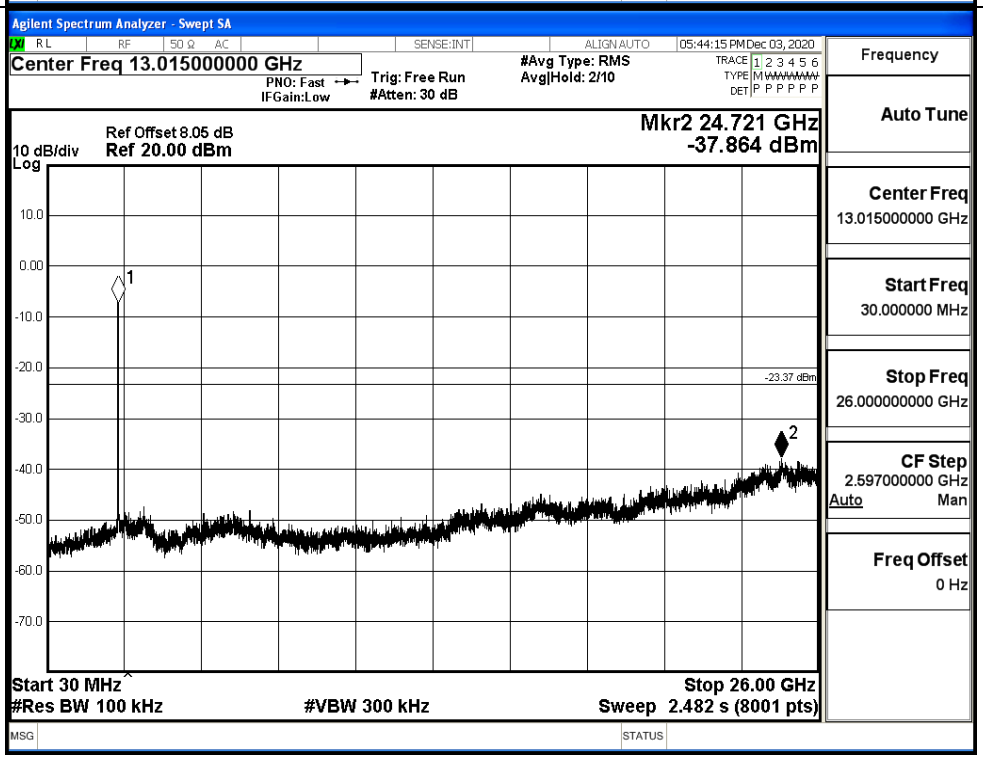
11G_MCH_Graphs	
Pref/11G/MCH	
Puw/11G/MCH	

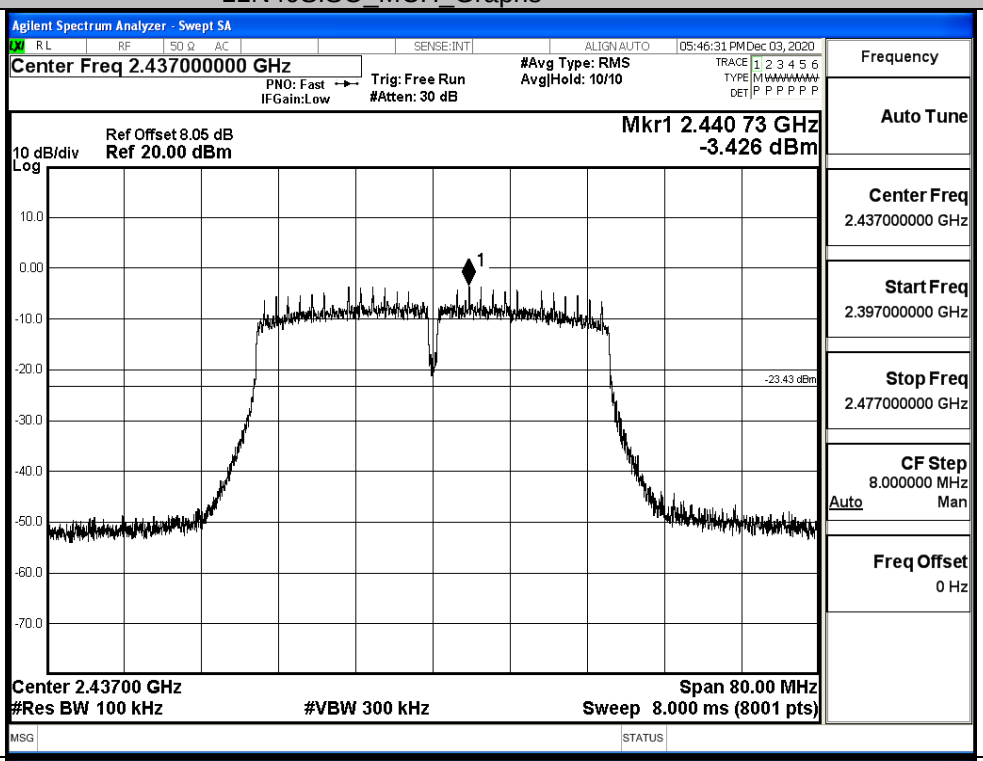
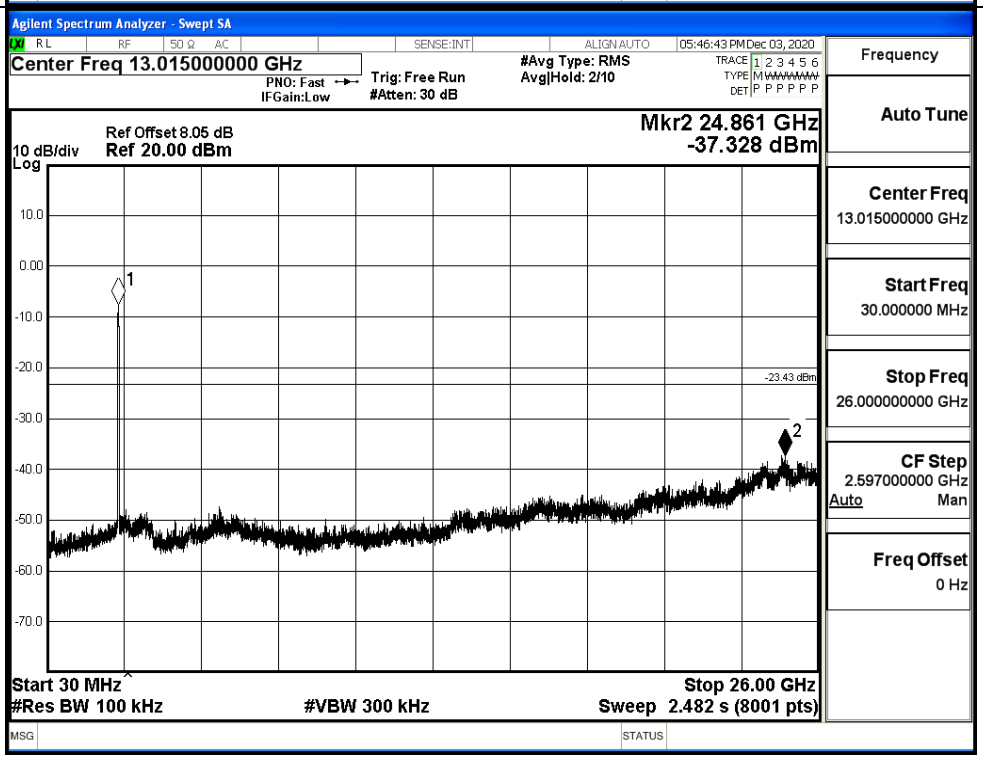
11G_HCH_Graphs	
Pref/11G/HCH	
Puw/11G/HCH	

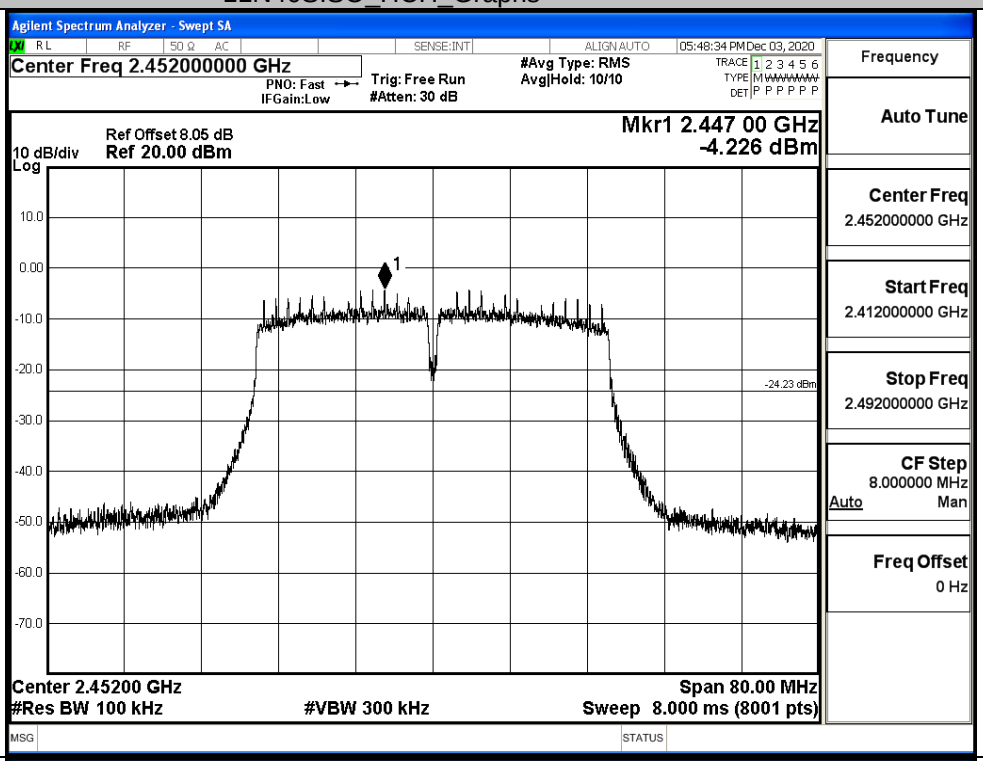
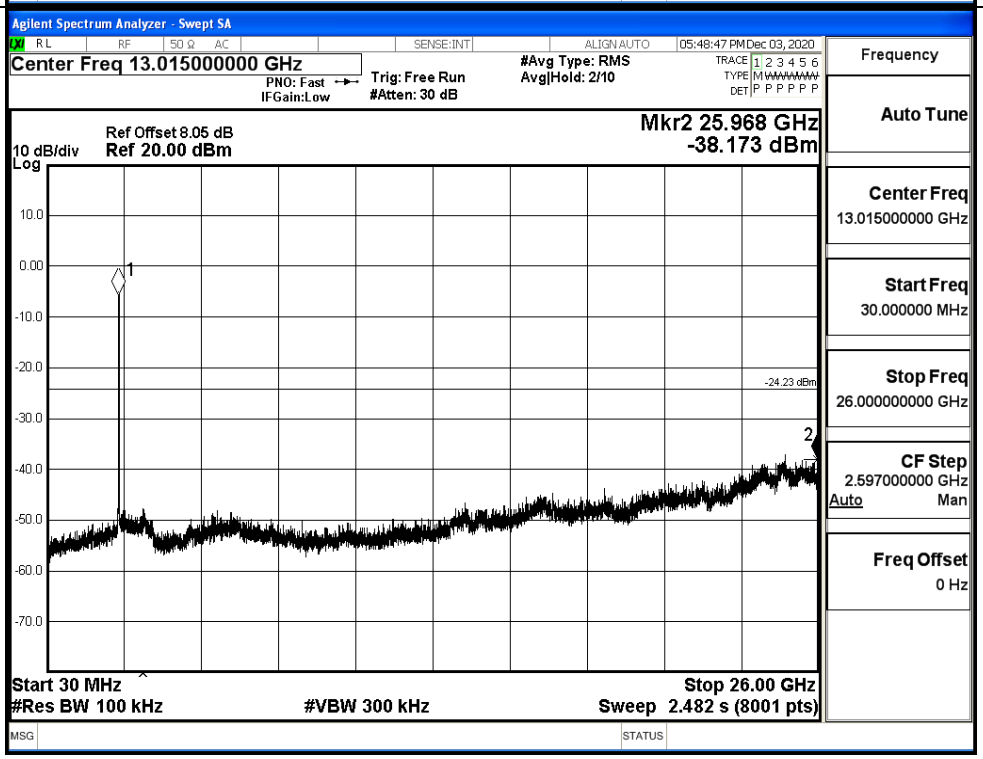
11N20SISO_LCH_Graphs		
Pref/11N20SISO/LCH		
Puw/11N20SISO/LCH		

11N20SISO_MCH_Graphs	
Pref/11N20 SISO/MCH	
Puw/11N20 SISO/MCH	

11N20SISO_HCH_Graphs	
Pref/11N20 SISO/HCH	
Puw/11N20 SISO/HCH	

11N40SISO_LCH_Graphs	
Pref/11N40 SISO/LCH	
Puw/11N40 SISO/LCH	

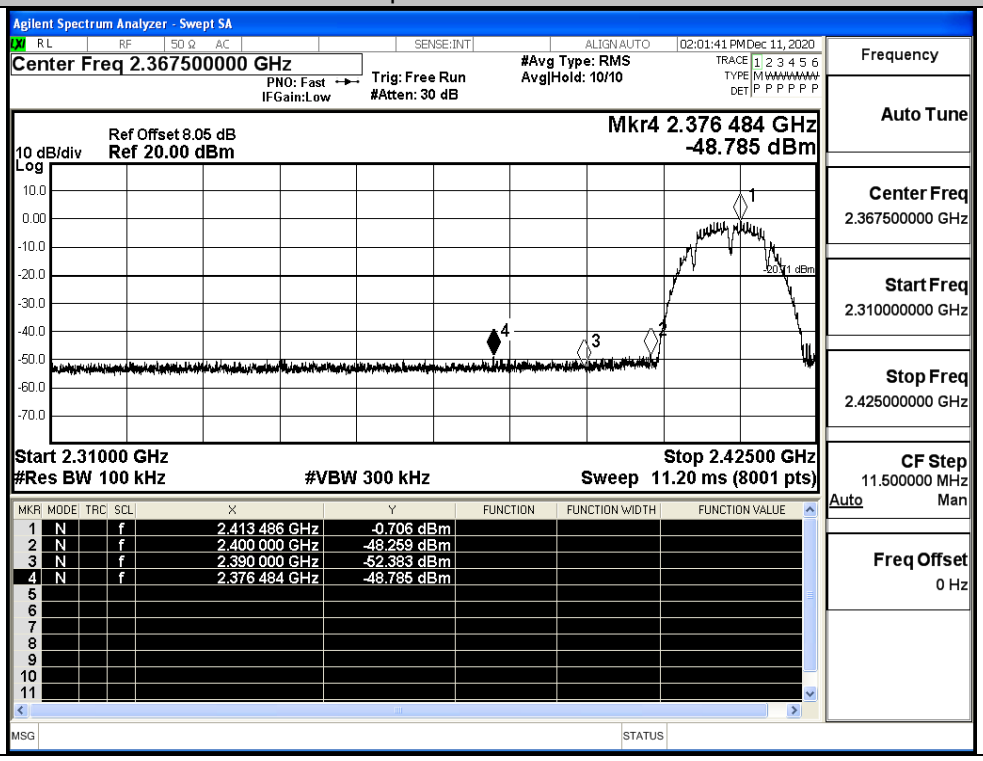
11N40SISO_MCH_Graphs	
Pref/11N40 SISO/MCH	
Puw/11N40 SISO/MCH	

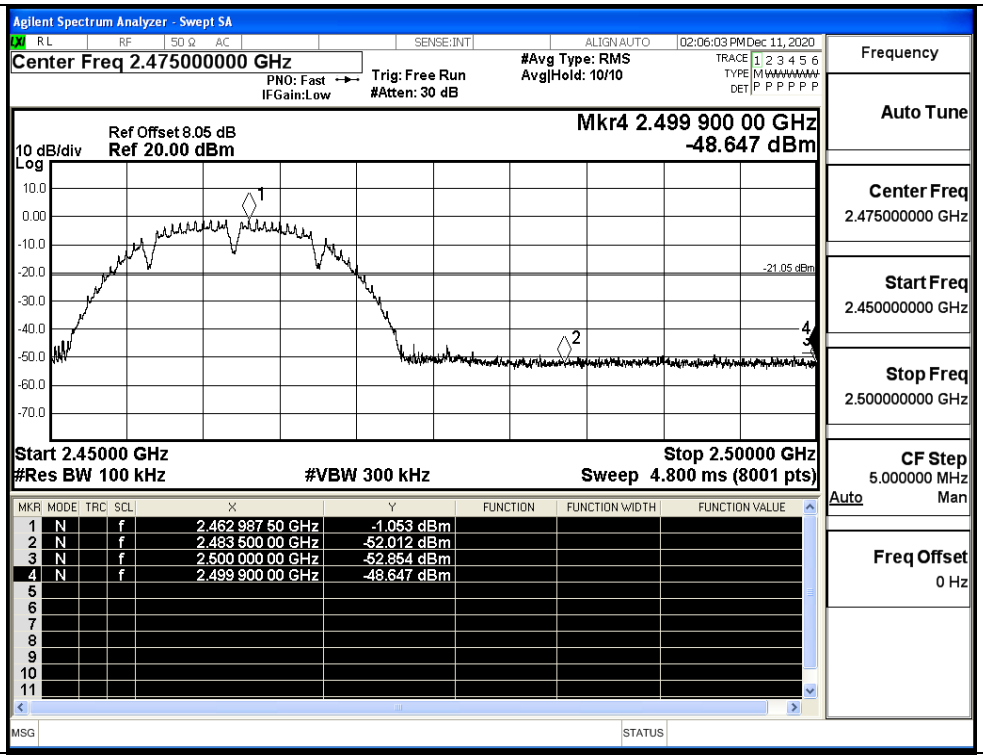
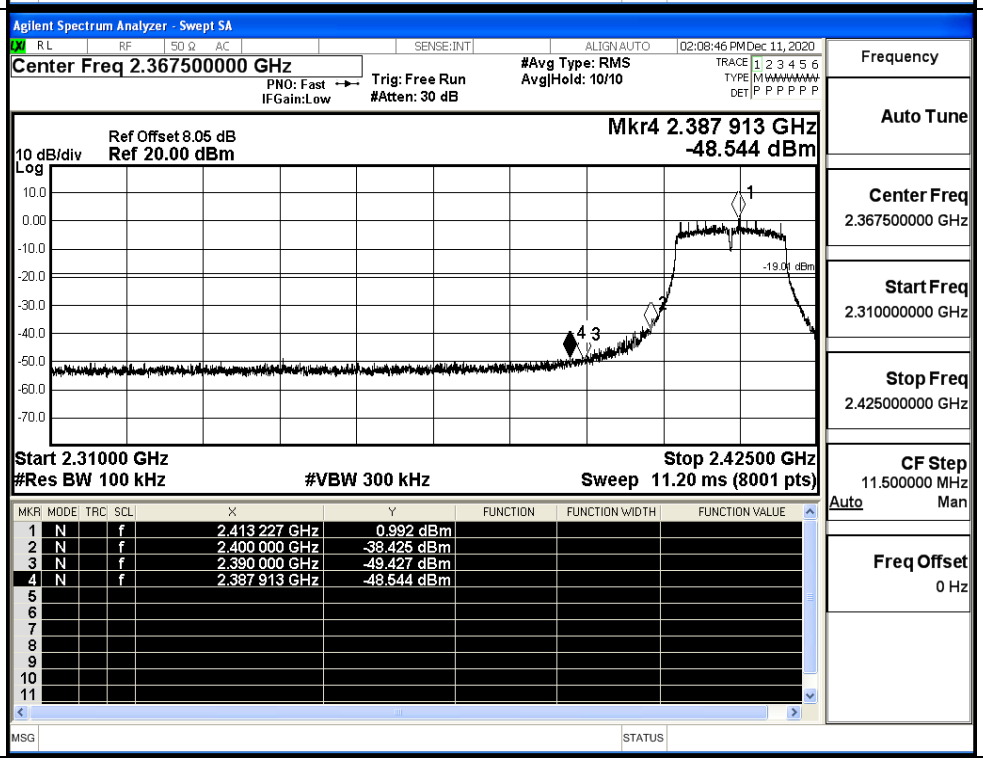
11N40SISO_HCH_Graphs	
Pref/11N40 SISO/HCH	
Puw/11N40 SISO/HCH	

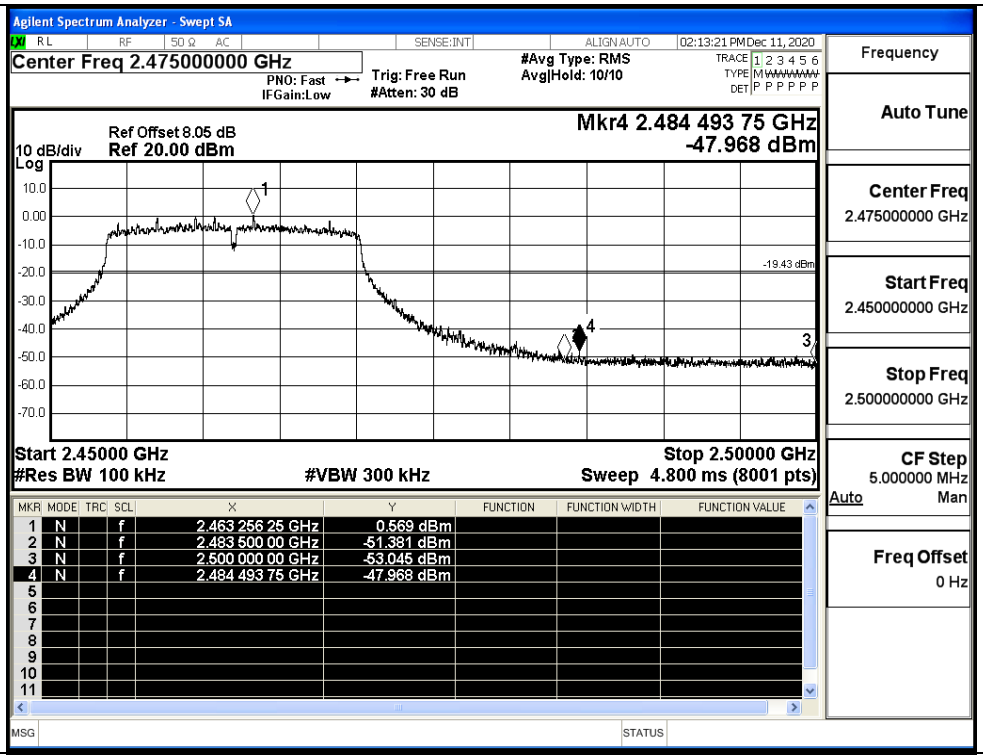
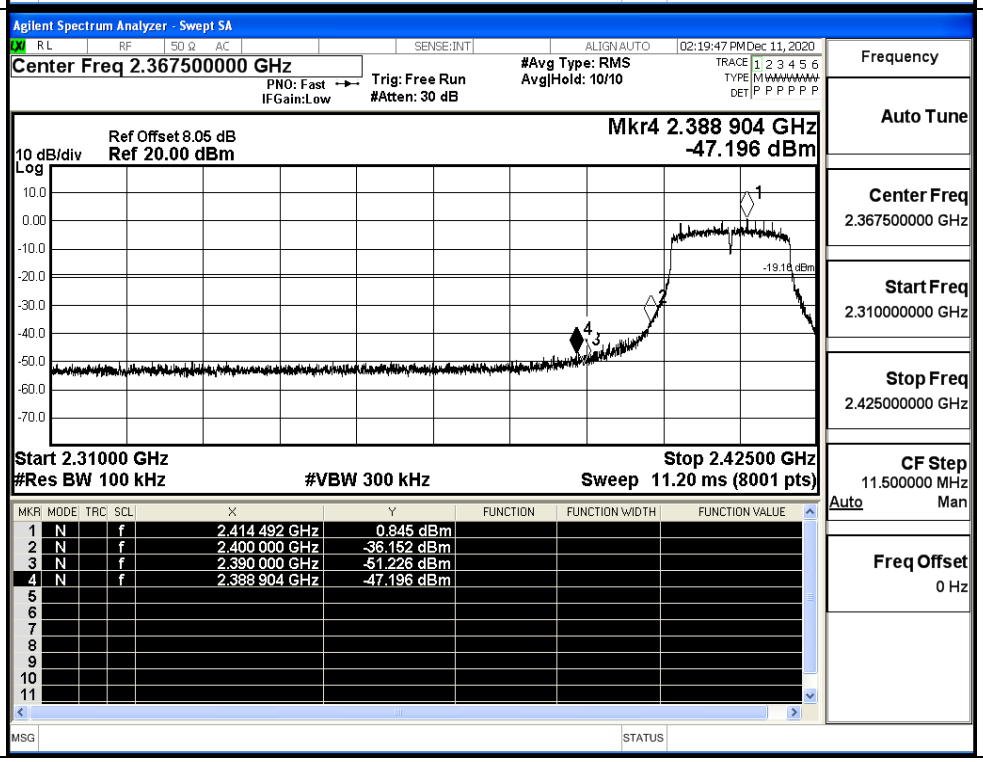
C.7 Band-edge for RF Conducted Emissions

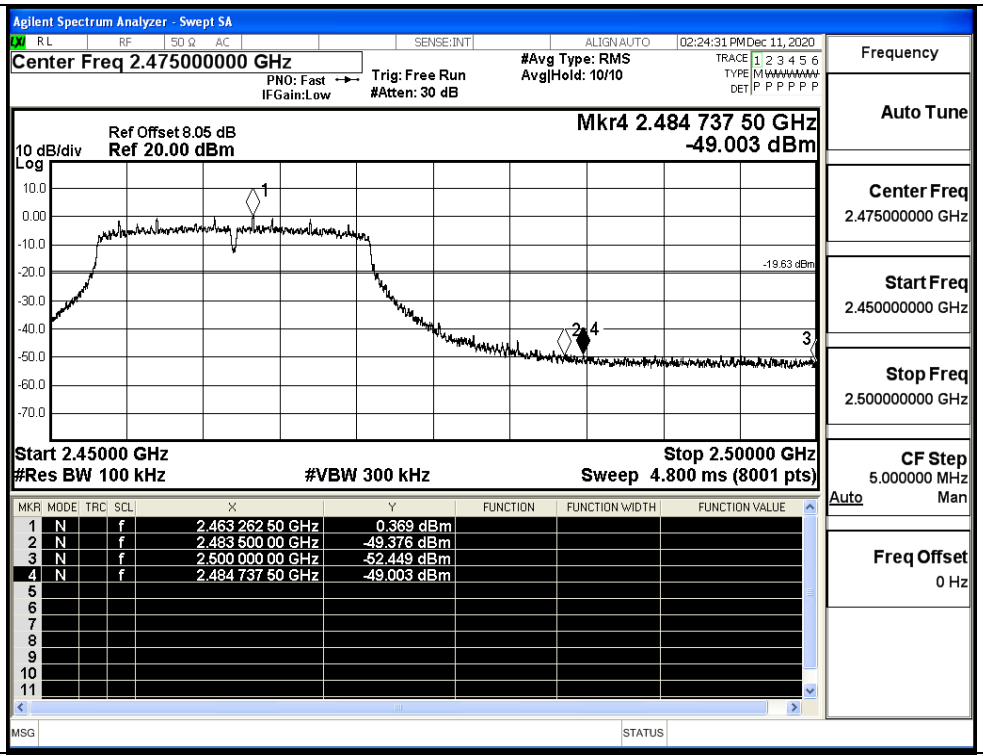
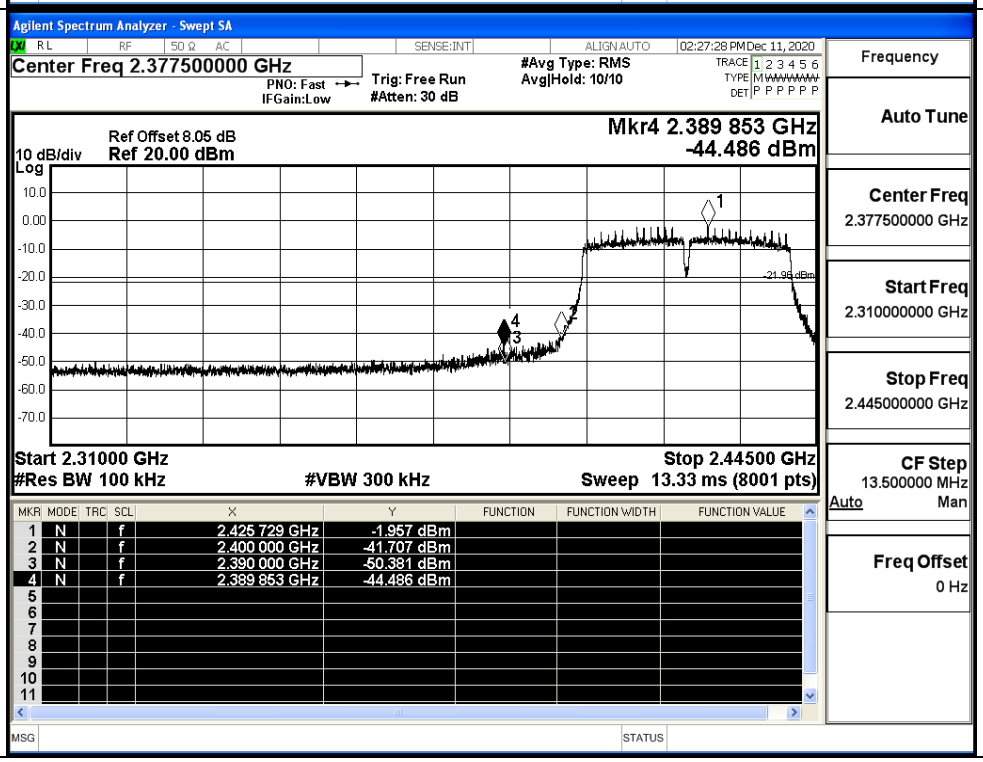
ANT0

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	-0.706	-48.785	-20.71	PASS
	HCH	-1.053	-48.647	-21.05	PASS
11G	LCH	0.992	-48.544	-19.01	PASS
	HCH	0.569	-47.968	-19.43	PASS
11N20SISO	LCH	0.845	-47.196	-19.16	PASS
	HCH	0.369	-49.003	-19.63	PASS
11N40SISO	LCH	-1.957	-44.486	-21.96	PASS
	HCH	-2.460	-46.449	-22.46	PASS

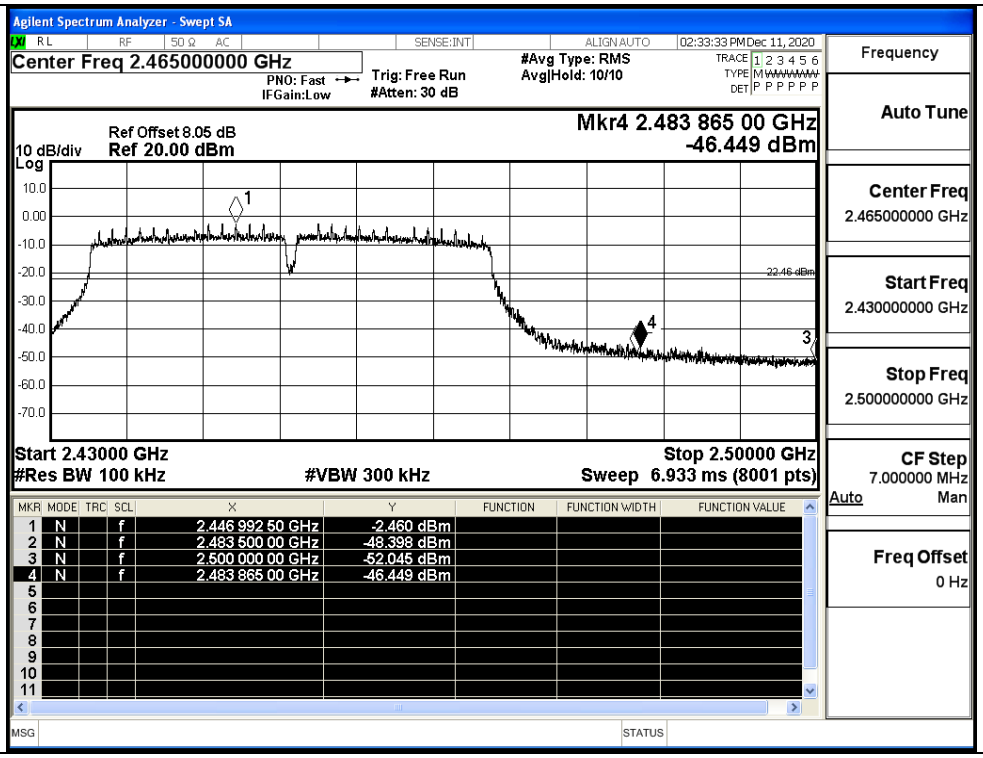
Test Graphs	
11B/LCH	

11B/HCH		
11G/LCH		

11G/HCH		
11N20SISO/LCH		

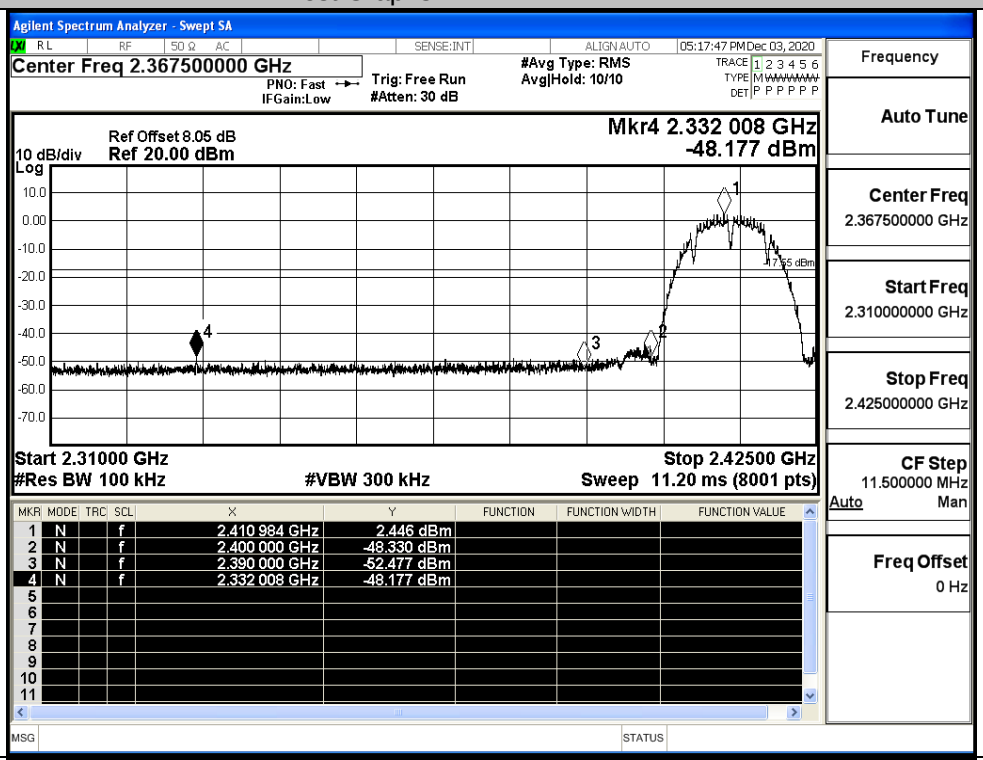
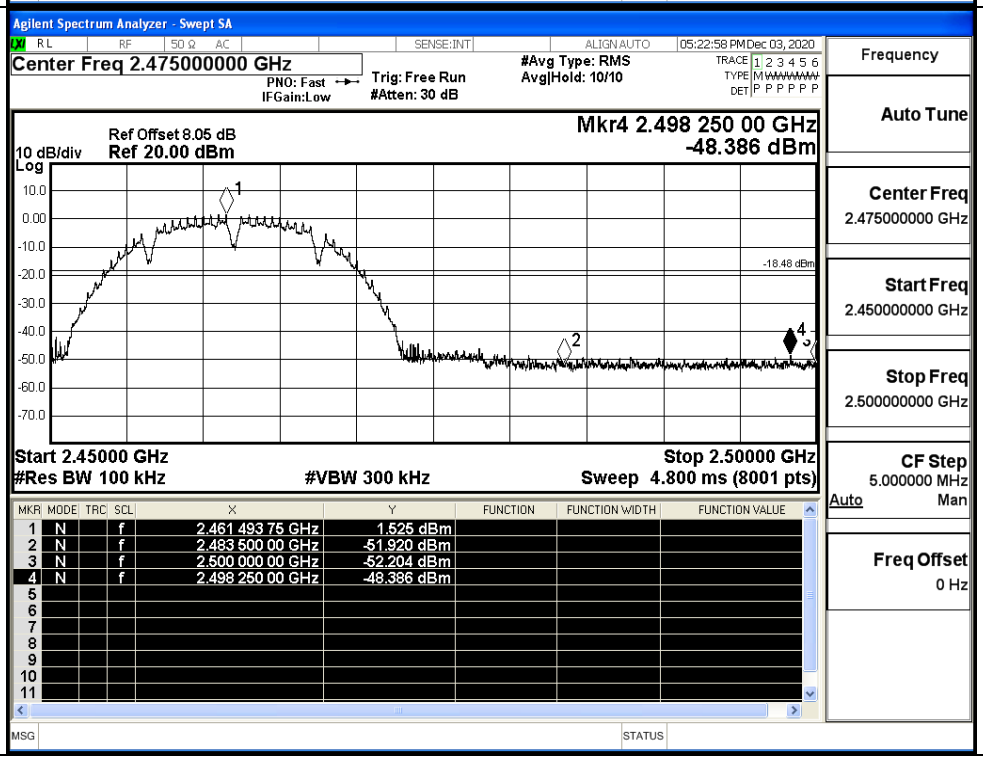
11N20SISO/HCH		
11N40SISO/LCH		

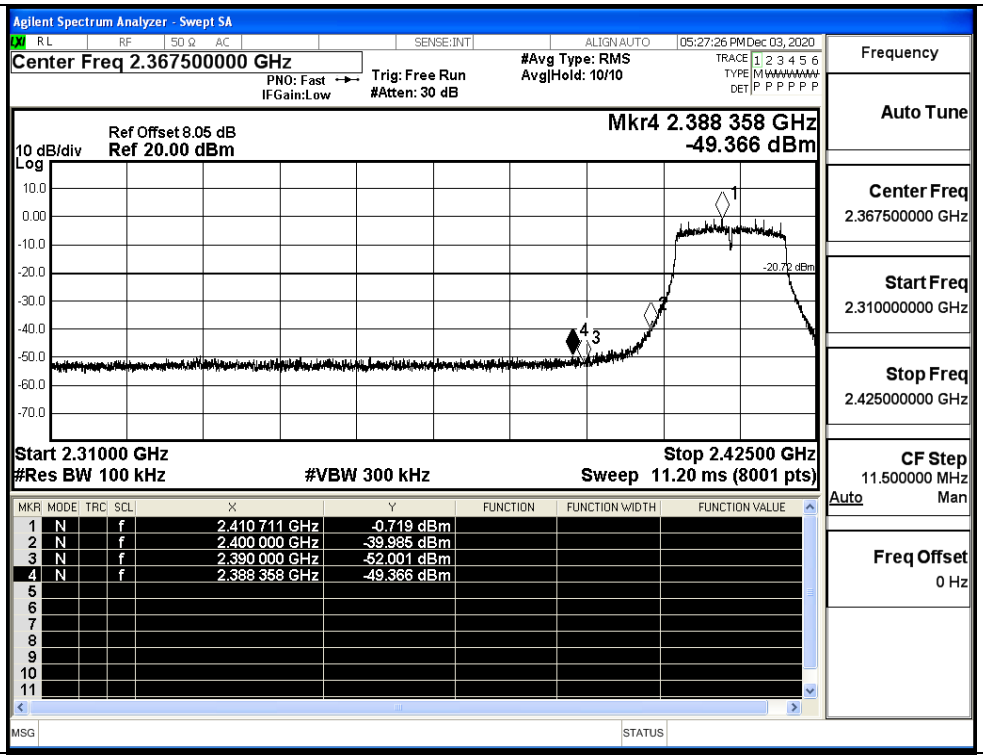
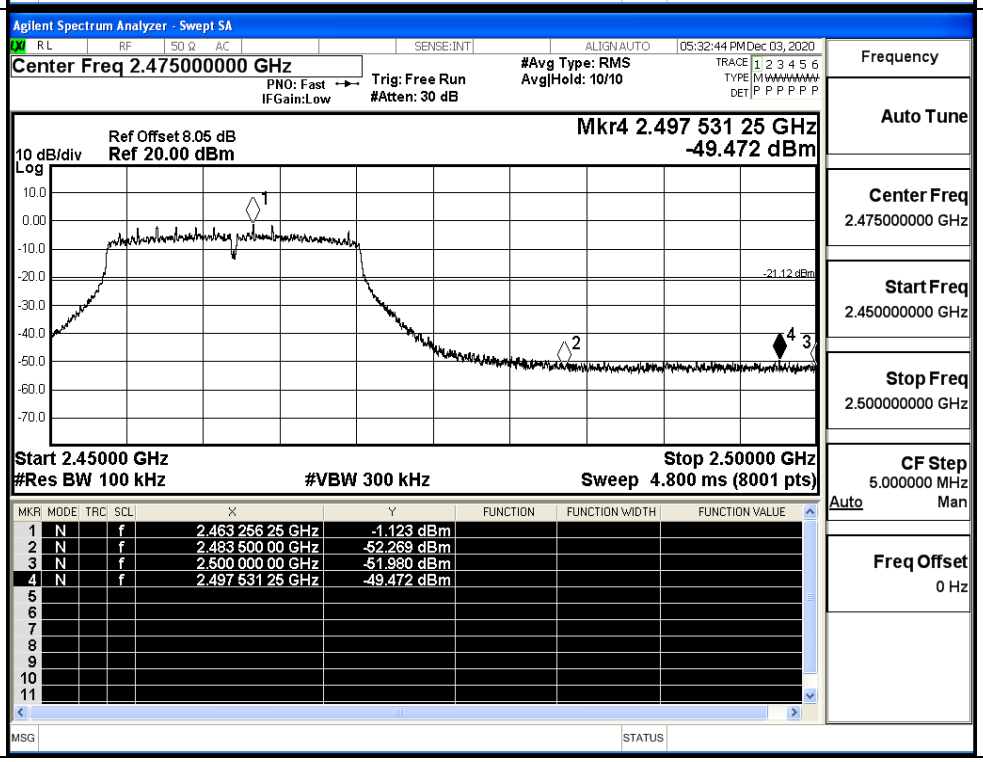
11N40SISO/HCH

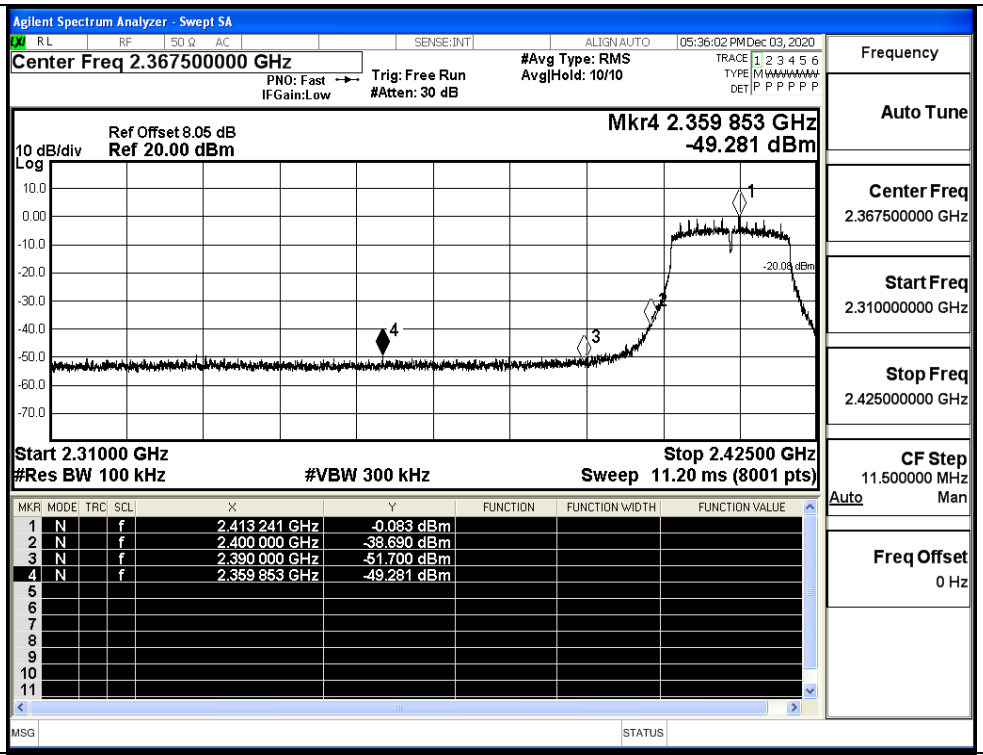
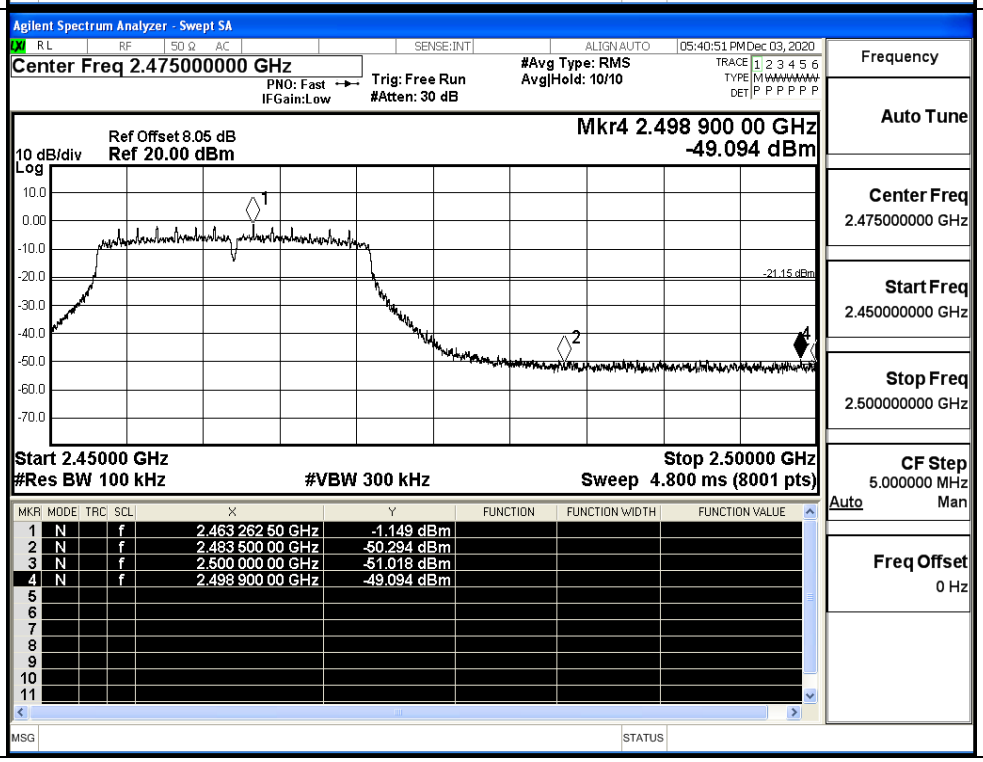


ANT1

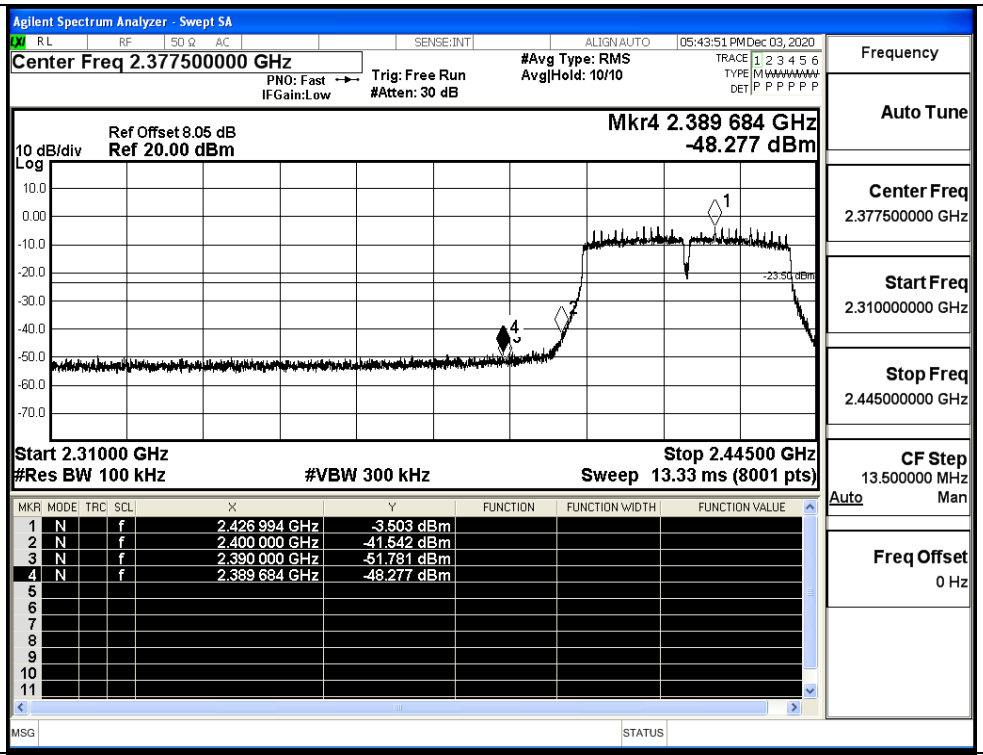
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	2.446	-48.177	-17.55	PASS
	HCH	1.525	-48.386	-18.48	PASS
11G	LCH	-0.719	-49.366	-20.72	PASS
	HCH	-1.123	-49.472	-21.12	PASS
11N20SISO	LCH	-0.083	-49.281	-20.08	PASS
	HCH	-1.149	-49.094	-21.15	PASS
11N40SISO	LCH	-3.503	-48.277	-23.5	PASS
	HCH	-4.136	-48.578	-24.14	PASS

Test Graphs		
11B/LCH		
11B/HCH		

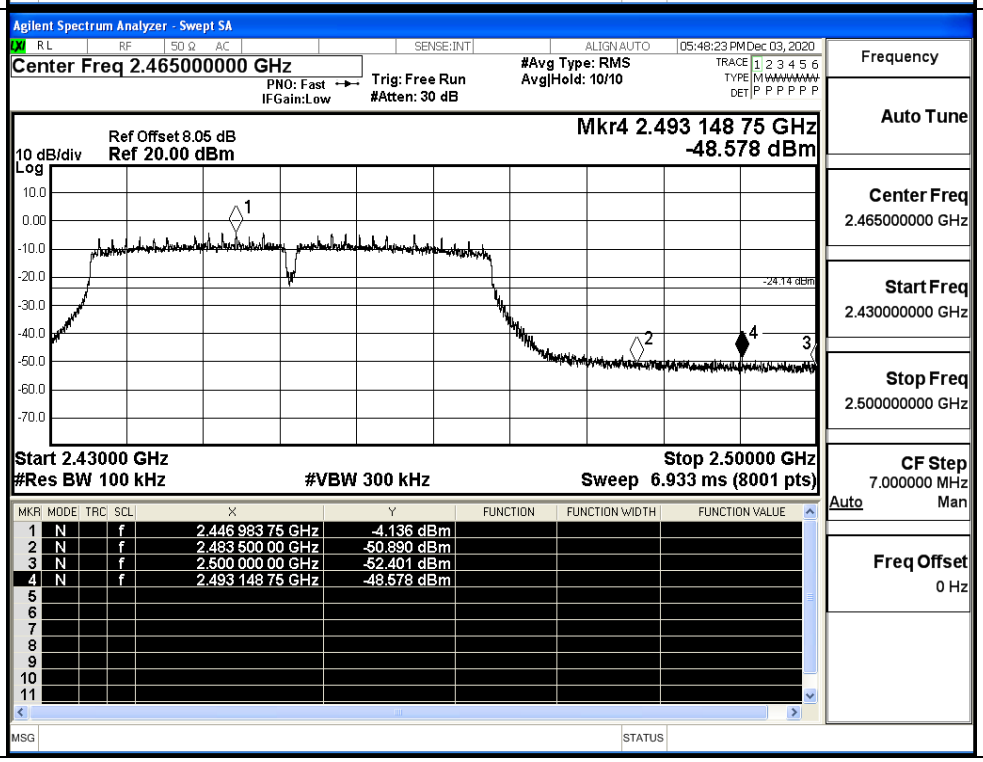
11G/LCH		
11G/HCH		

11N20SISO/LCH		
11N20SISO/HCH		

11N40SISO/LCH



11N40SISO/HCH



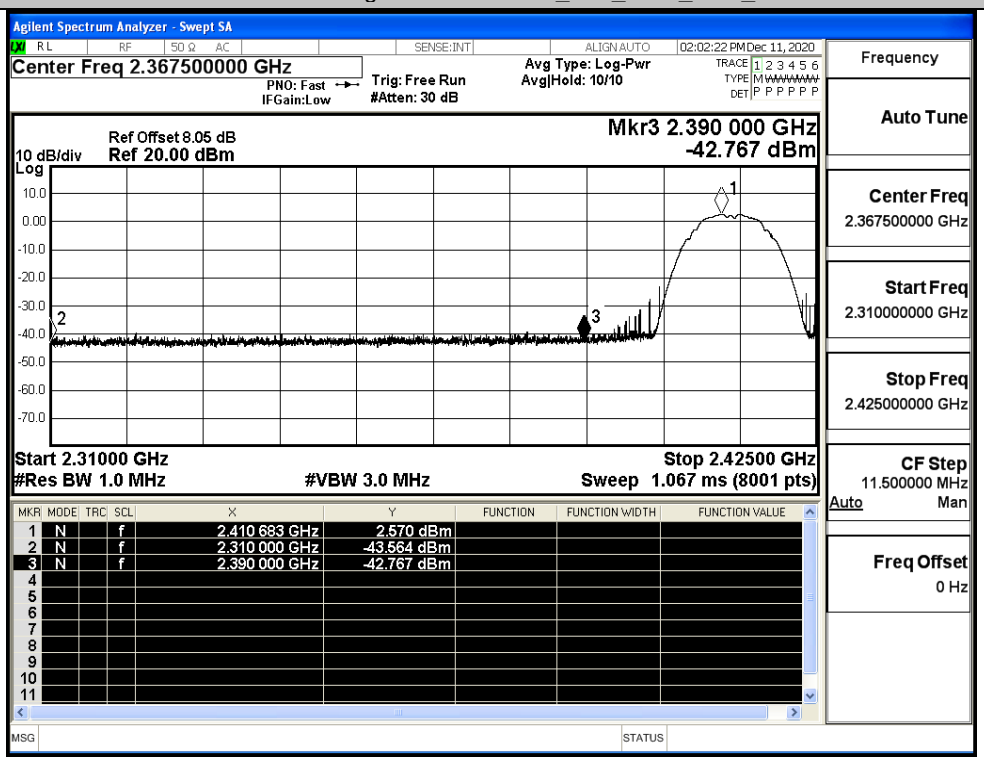
C.8 Restrict-band band-edge measurements

ANT0

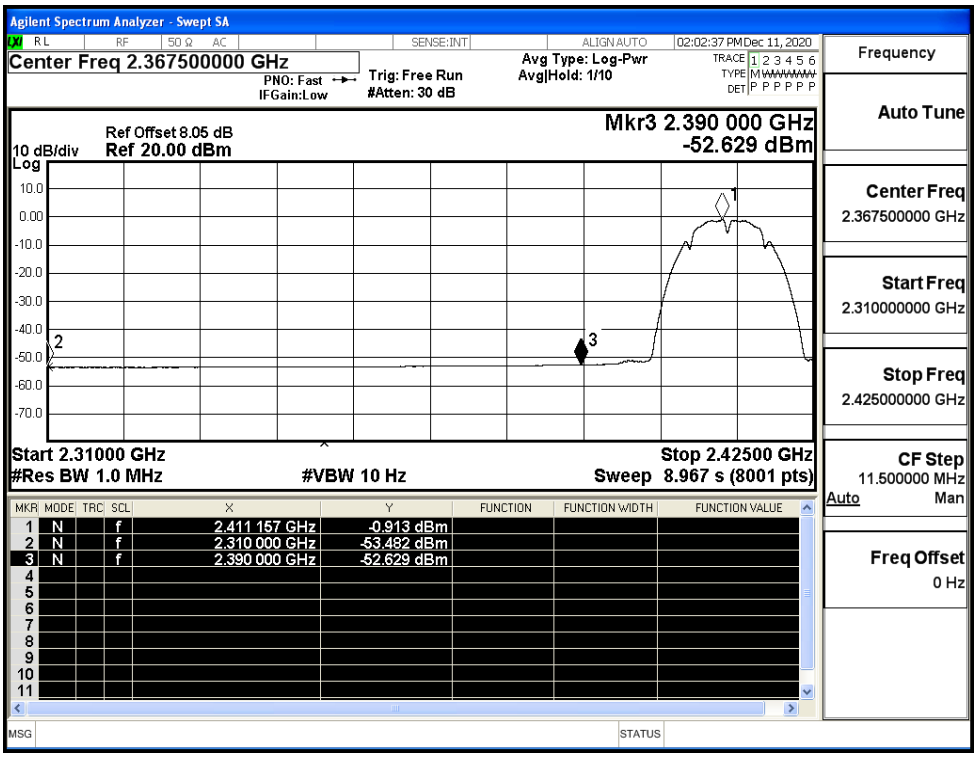
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
11B	2412	Ant1	2310.0	-43.56	3.0	0	52.69	PEAK	74	PASS
	2412	Ant1	2310.0	-53.48	3.0	0	42.78	AV	54	PASS
	2412	Ant1	2390.0	-42.77	3.0	0	53.49	PEAK	74	PASS
	2412	Ant1	2390.0	-52.63	3.0	0	43.63	AV	54	PASS
	2462	Ant1	2483.5	-42.70	3.0	0	53.56	PEAK	74	PASS
	2462	Ant1	2483.5	-52.39	3.0	0	43.87	AV	54	PASS
	2462	Ant1	2500.0	-42.86	3.0	0	53.40	PEAK	74	PASS
	2462	Ant1	2500.0	-52.38	3.0	0	43.88	AV	54	PASS
11G	2412	Ant1	2310.0	-43.55	3.0	0	52.71	PEAK	74	PASS
	2412	Ant1	2310.0	-53.40	3.0	0	42.86	AV	54	PASS
	2412	Ant1	2390.0	-35.62	3.0	0	60.64	PEAK	74	PASS
	2412	Ant1	2390.0	-50.20	3.0	0	46.06	AV	54	PASS
	2462	Ant1	2483.5	-40.85	3.0	0	55.41	PEAK	74	PASS
	2462	Ant1	2483.5	-51.24	3.0	0	45.02	AV	54	PASS
	2462	Ant1	2500.0	-41.77	3.0	0	54.49	PEAK	74	PASS
	2462	Ant1	2500.0	-52.36	3.0	0	43.90	AV	54	PASS
11N20 SISO	2412	Ant1	2310.0	-42.98	3.0	0	53.27	PEAK	74	PASS
	2412	Ant1	2310.0	-53.40	3.0	0	42.86	AV	54	PASS
	2412	Ant1	2390.0	-35.59	3.0	0	60.67	PEAK	74	PASS
	2412	Ant1	2390.0	-49.81	3.0	0	46.45	AV	54	PASS
	2462	Ant1	2483.5	-39.76	3.0	0	56.50	PEAK	74	PASS
	2462	Ant1	2483.5	-51.06	3.0	0	45.19	AV	54	PASS
	2462	Ant1	2500.0	-41.14	3.0	0	55.12	PEAK	74	PASS
	2462	Ant1	2500.0	-52.34	3.0	0	43.92	AV	54	PASS
11N40 SISO	2422	Ant1	2310.0	-42.64	3.0	0	53.62	PEAK	74	PASS
	2422	Ant1	2310.0	-53.36	3.0	0	42.89	AV	54	PASS

	2422	Ant1	2390.0	-31.29	3.0	0	64.97	PEAK	74	PASS
	2422	Ant1	2390.0	-49.38	3.0	0	46.87	AV	54	PASS
	2452	Ant1	2483.5	-37.37	3.0	0	58.89	PEAK	74	PASS
	2452	Ant1	2483.5	-49.37	3.0	0	46.89	AV	54	PASS
	2452	Ant1	2500.0	-41.59	3.0	0	54.67	PEAK	74	PASS
	2452	Ant1	2500.0	-52.02	3.0	0	44.24	AV	54	PASS

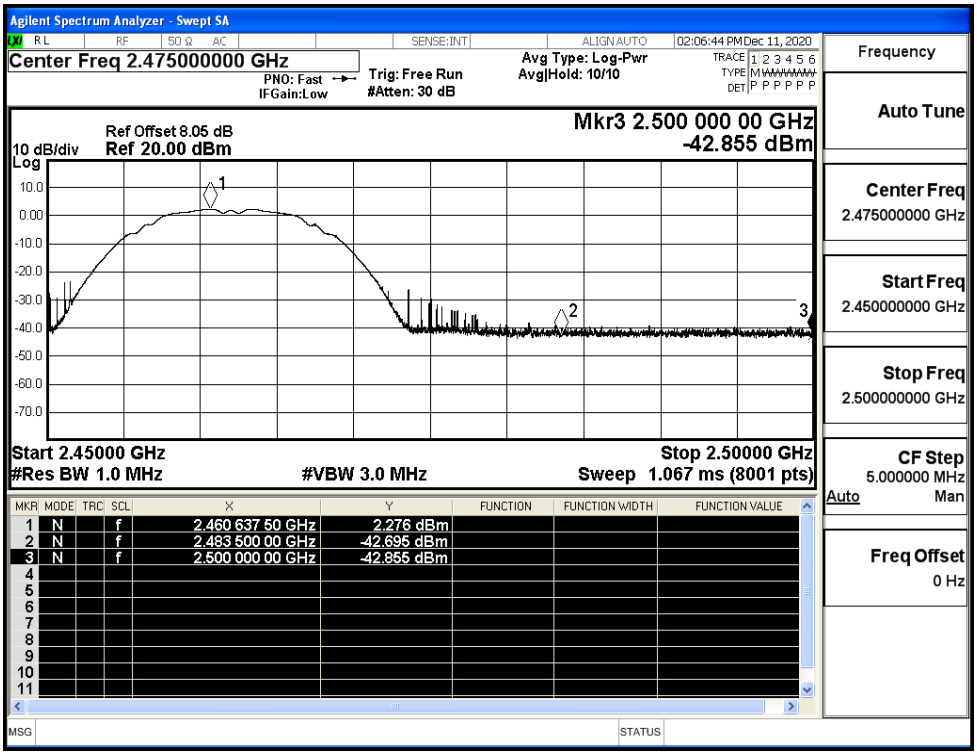
Restrict-band band-edge measurements_11B_2412_Ant1_PEAK



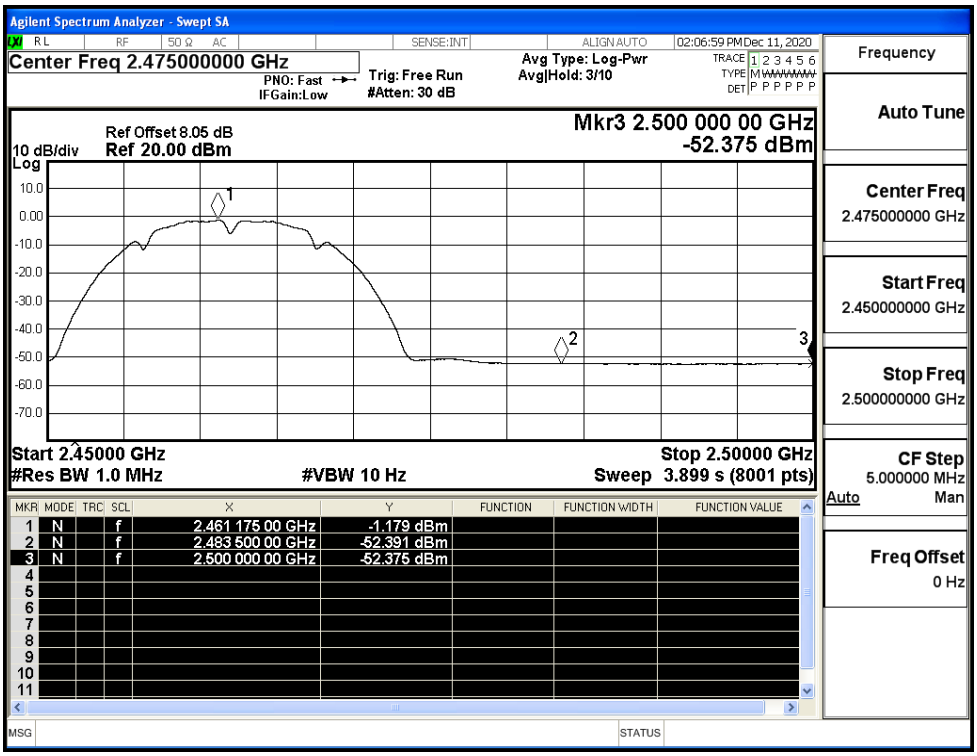
Restrict-band band-edge measurements_11B_2412_Ant1_AV



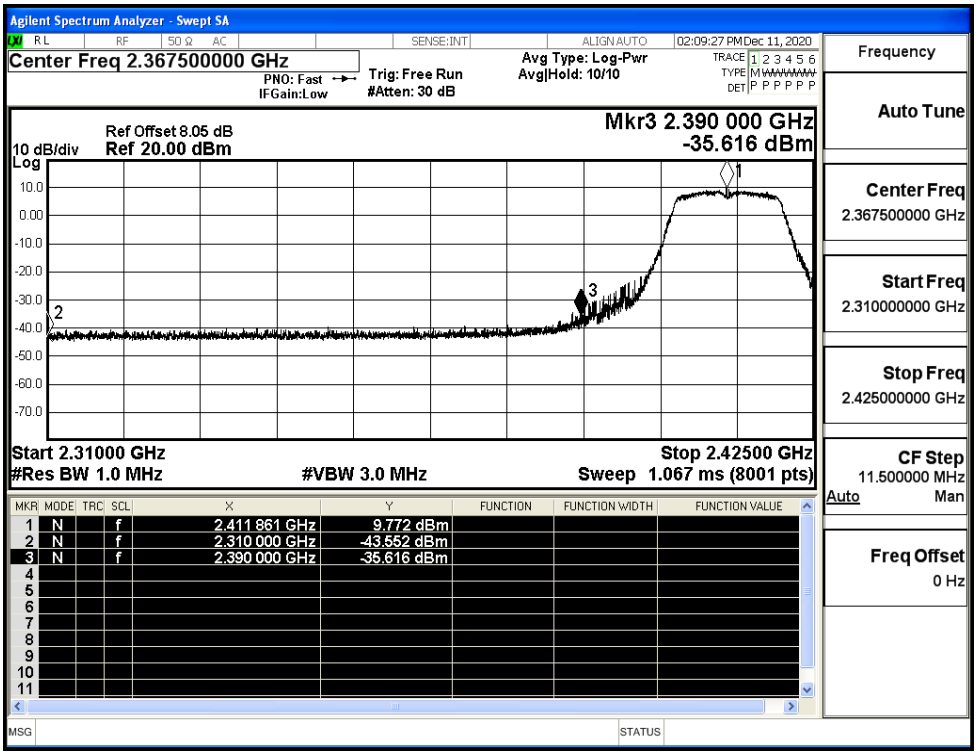
Restrict-band band-edge measurements_11B_2462_Ant1_PEAK



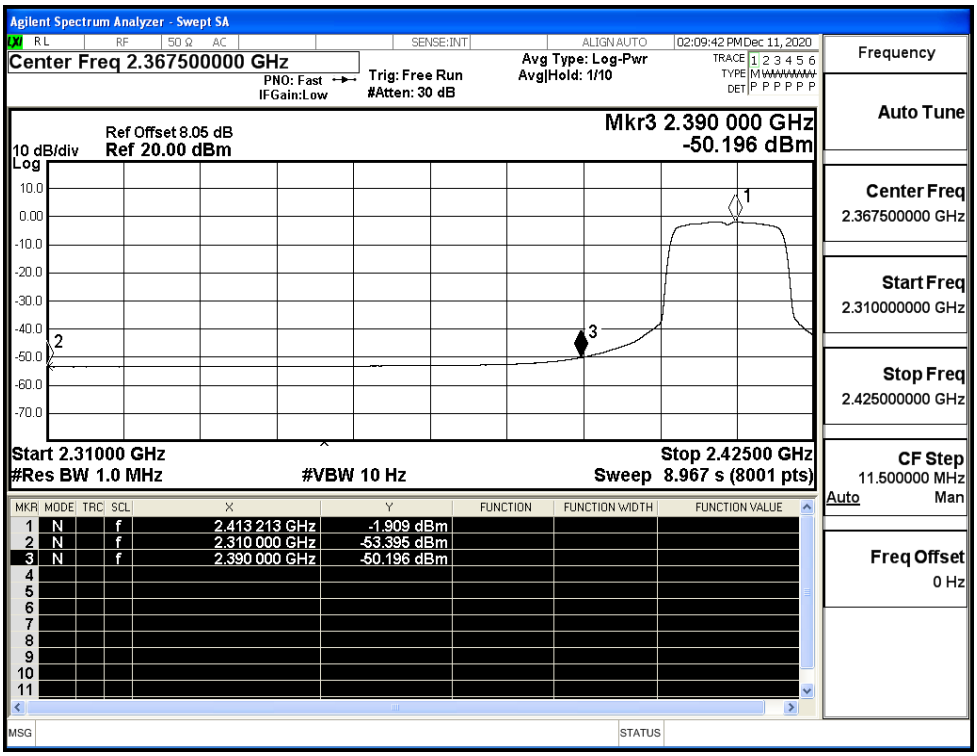
Restrict-band band-edge measurements_11B_2462_Ant1_AV



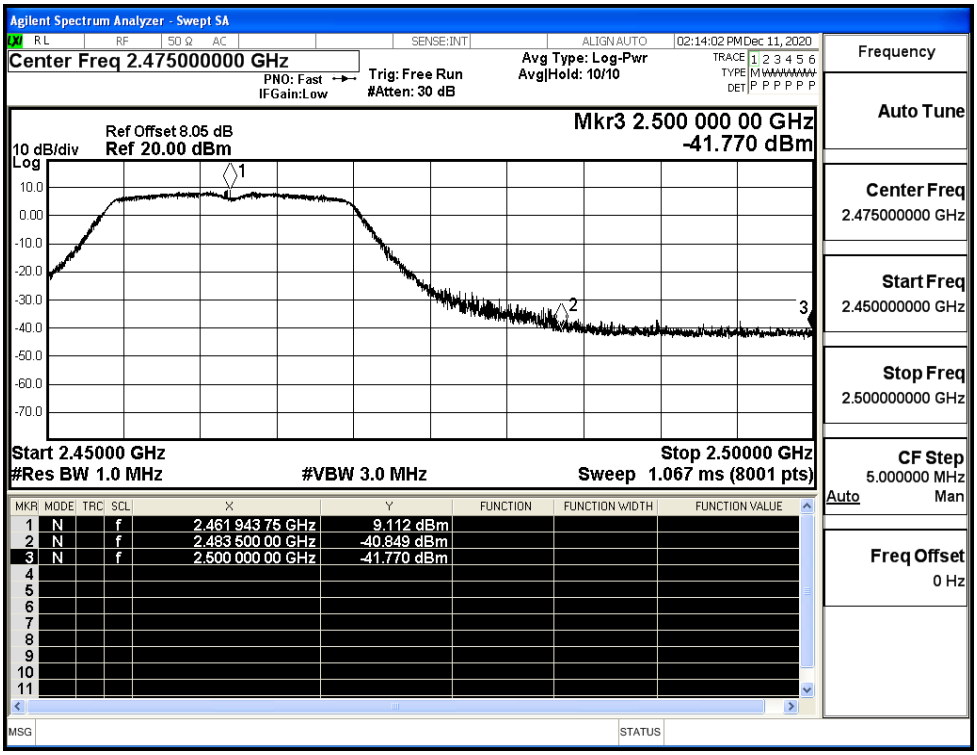
Restrict-band band-edge measurements_11G_2412_Ant1_PEAK



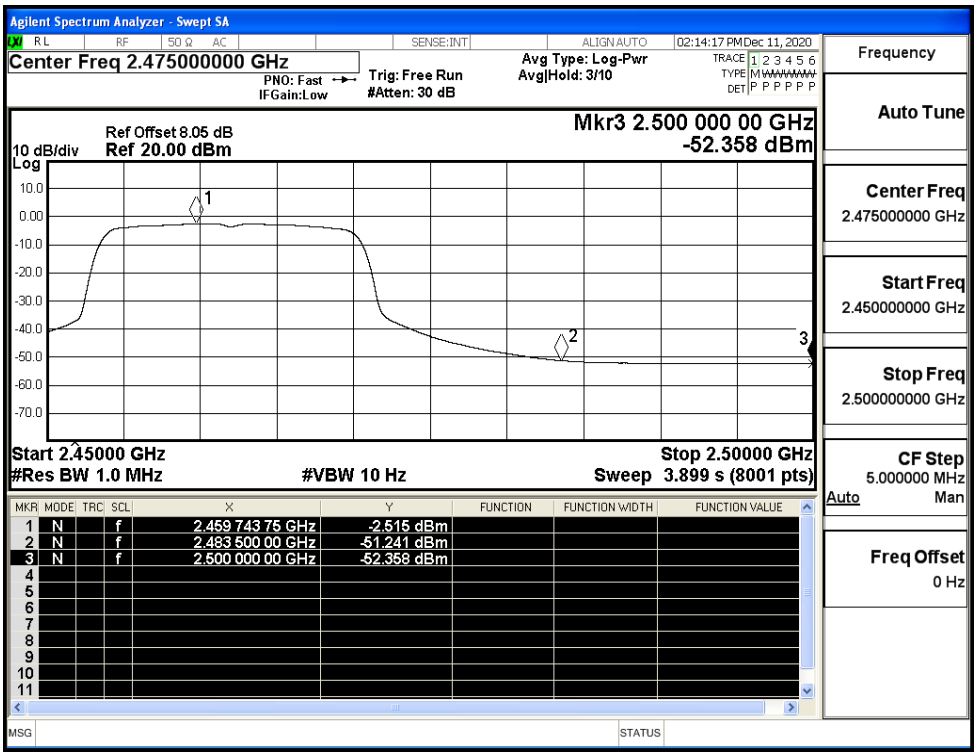
Restrict-band band-edge measurements_11G_2412_Ant1_AV



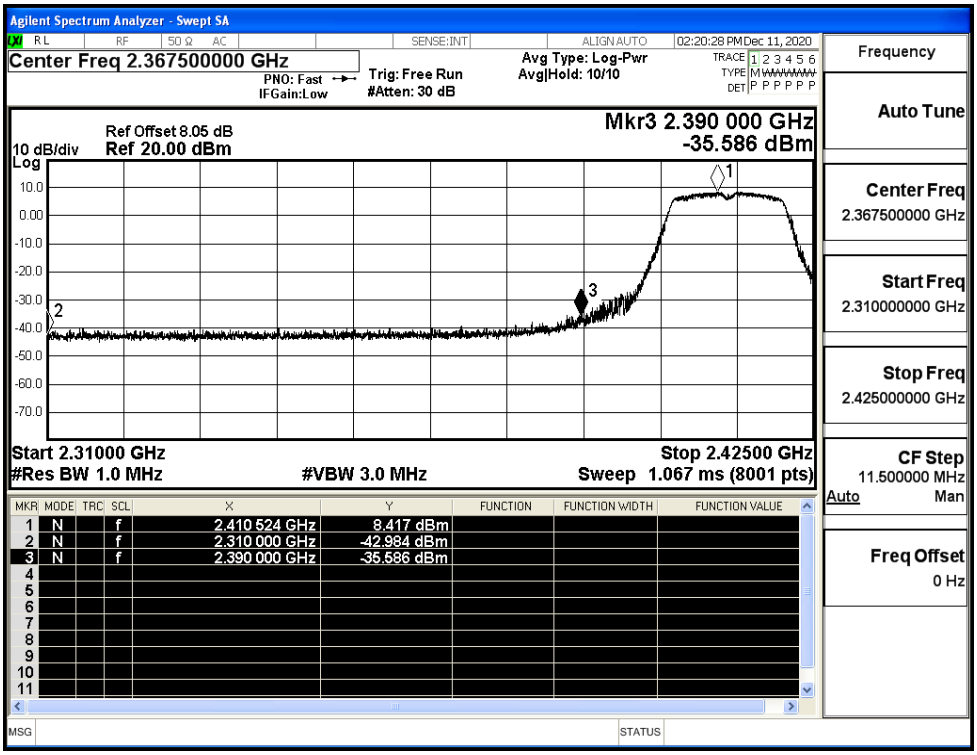
Restrict-band band-edge measurements_11G_2462_Ant1_PEAK



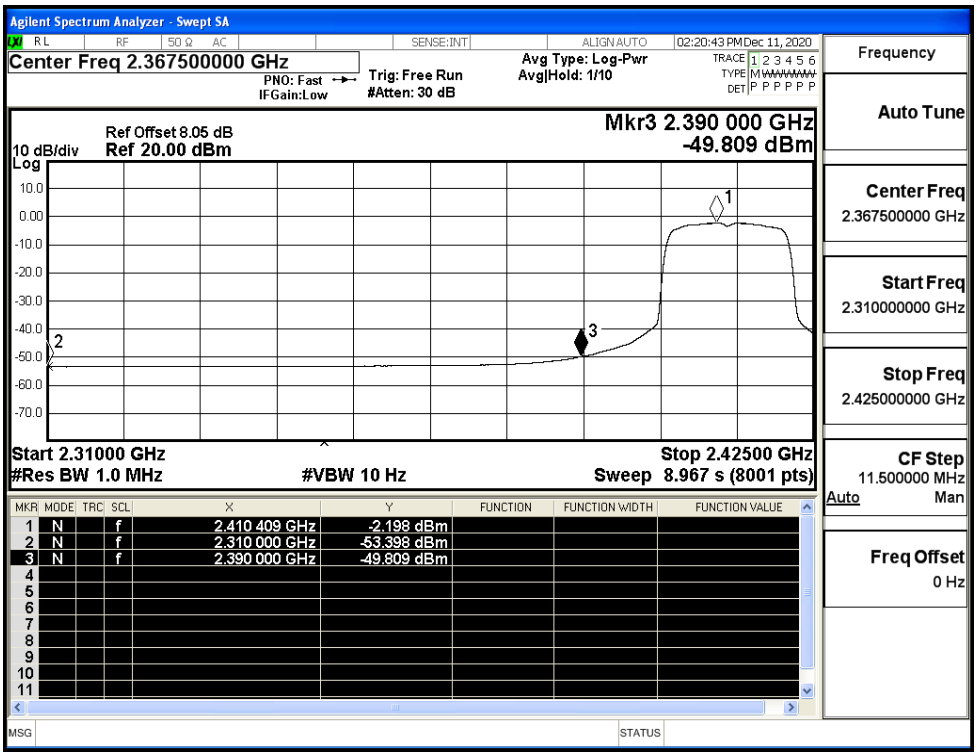
Restrict-band band-edge measurements_11G_2462_Ant1_AV



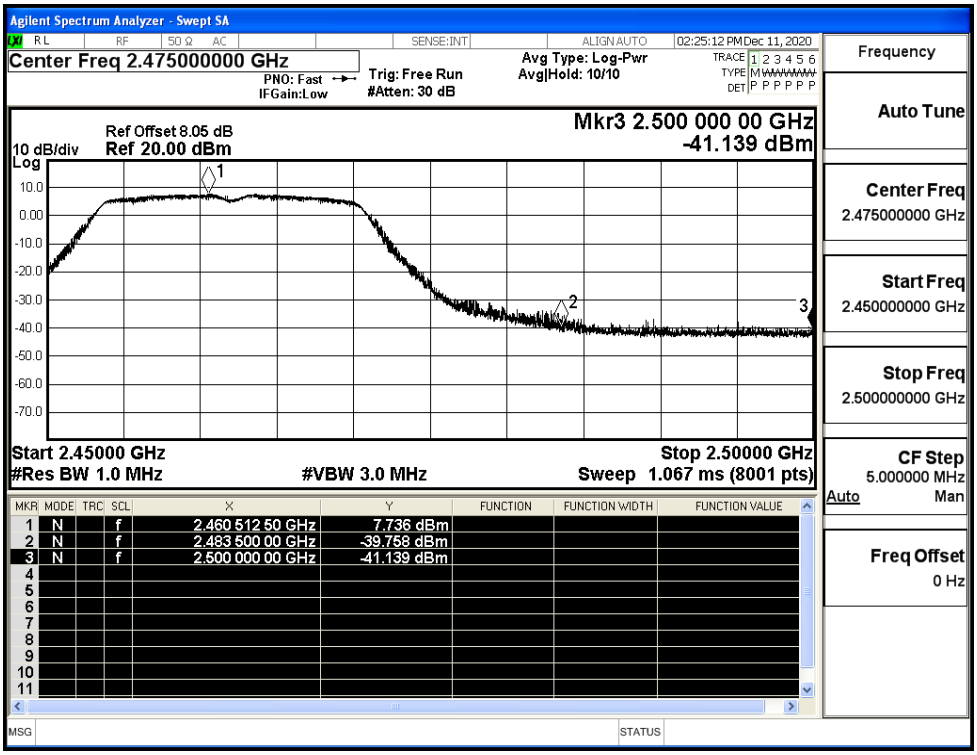
Restrict-band band-edge measurements_11N20SISO_2412_Ant1_PEAK



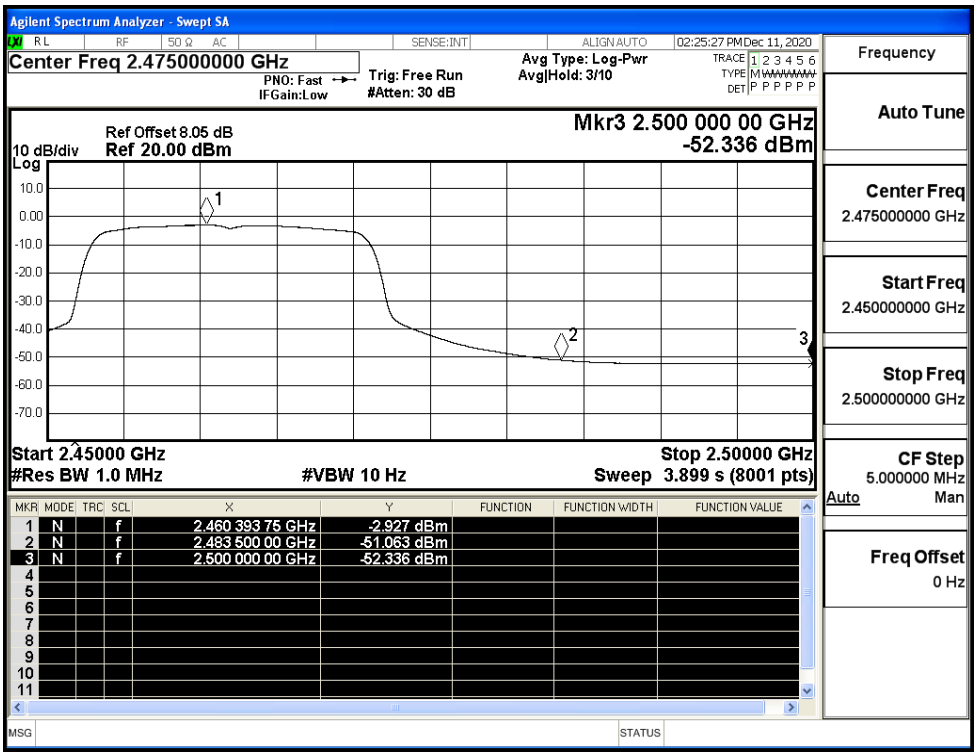
Restrict-band band-edge measurements_11N20SISO_2412_Ant1_AV



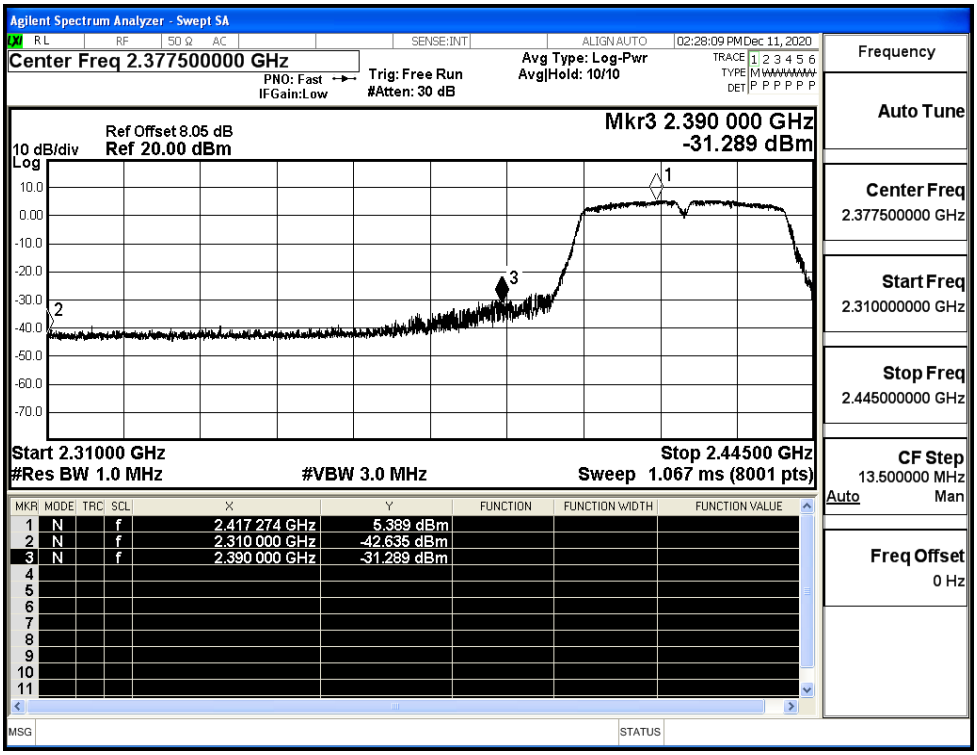
Restrict-band band-edge measurements_11N20SISO_2462_Ant1_PEAK



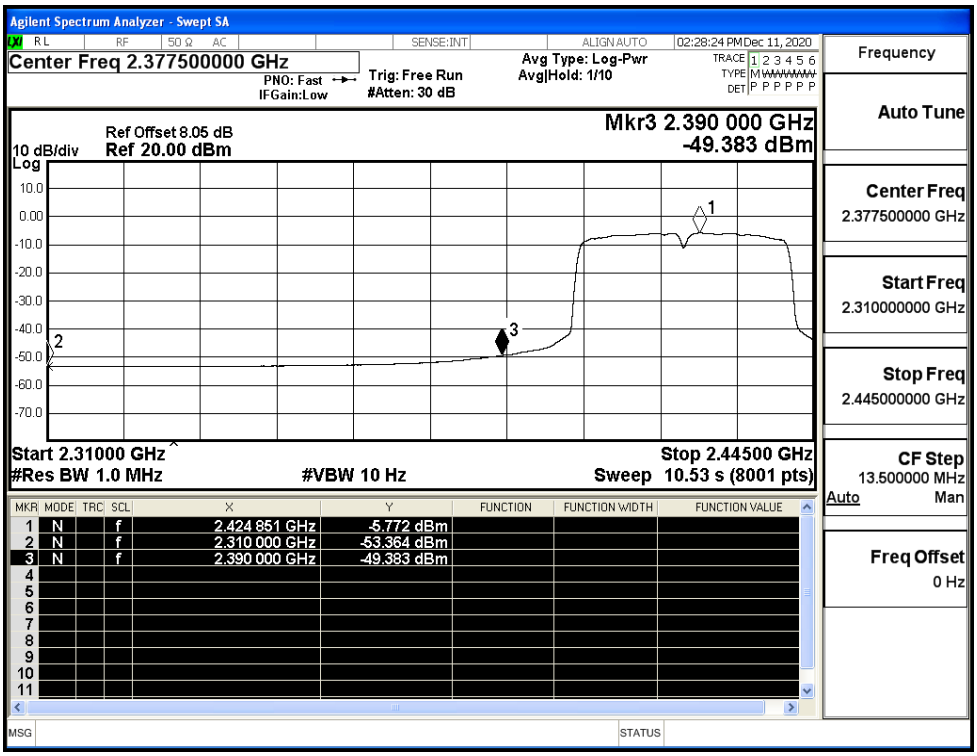
Restrict-band band-edge measurements_11N20SISO_2462_Ant1_AV



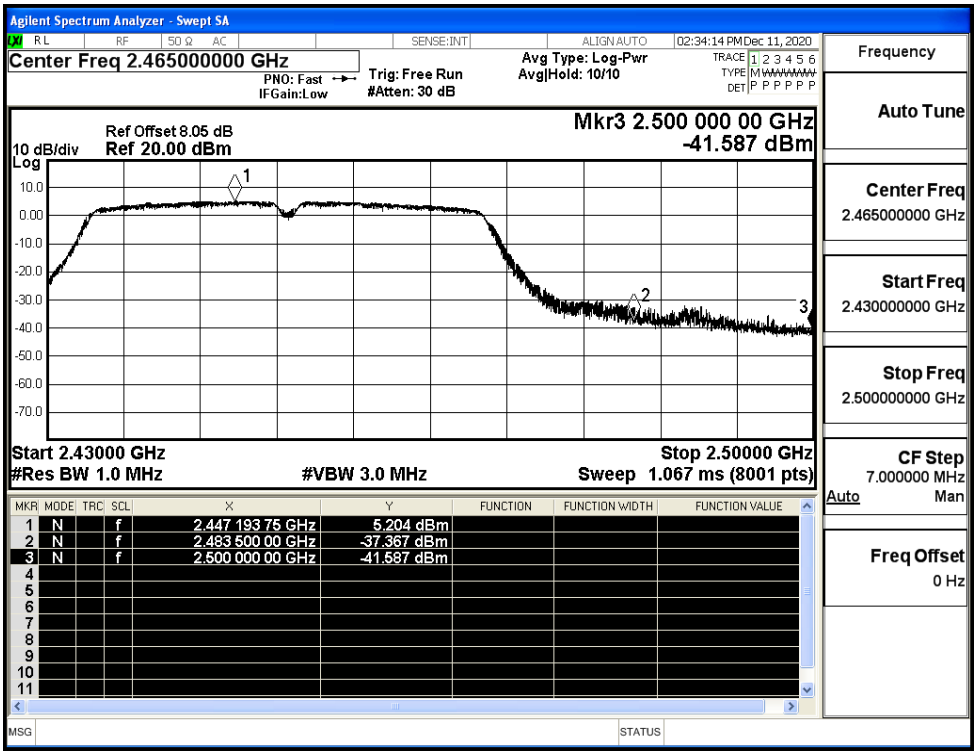
Restrict-band band-edge measurements_11N40SISO_2422_Ant1_PEAK



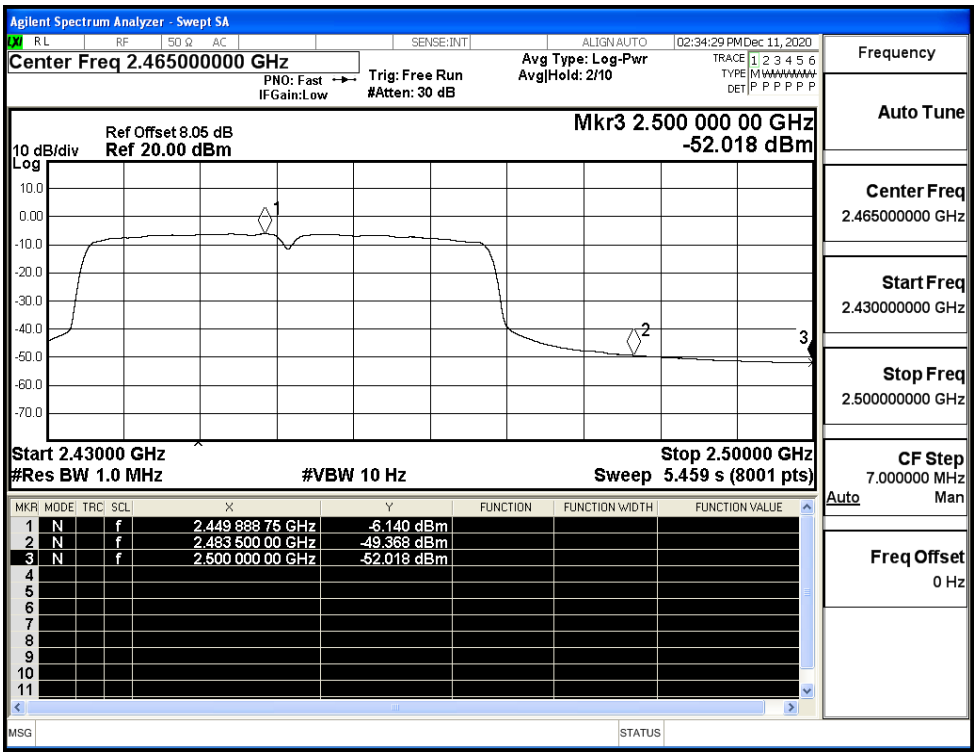
Restrict-band band-edge measurements_11N40SISO_2422_Ant1_AV



Restrict-band band-edge measurements_11N40SISO_2452_Ant1_PEAK



Restrict-band band-edge measurements_11N40SISO_2452_Ant1_AV



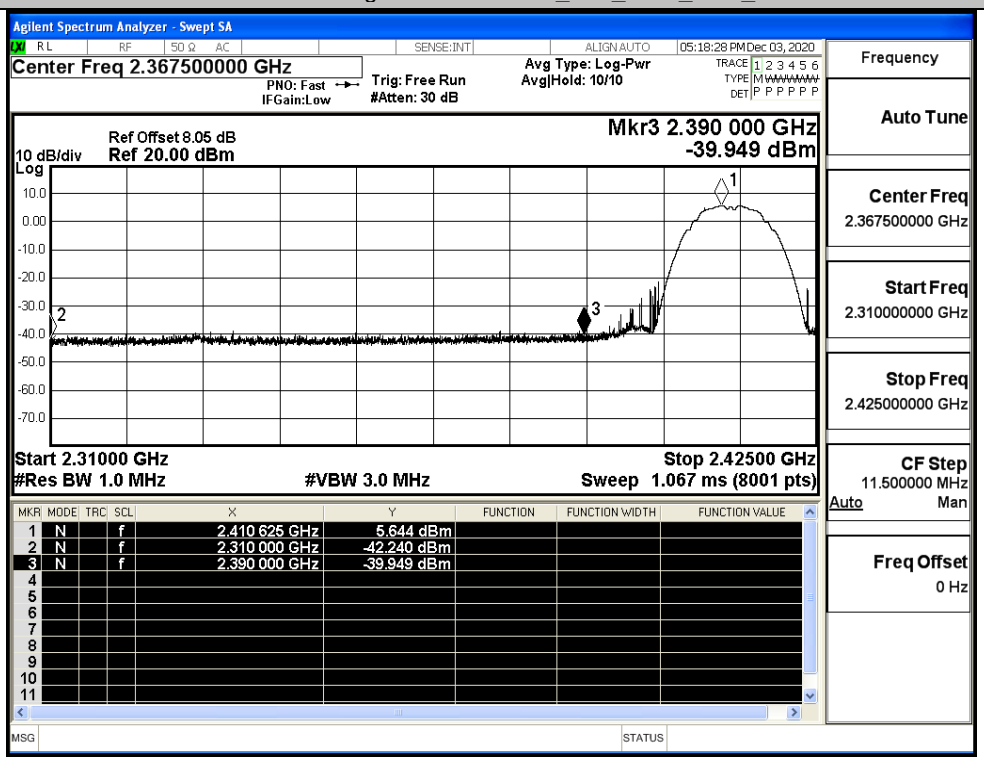
ANT1

C.8 Restrict-band band-edge measurements

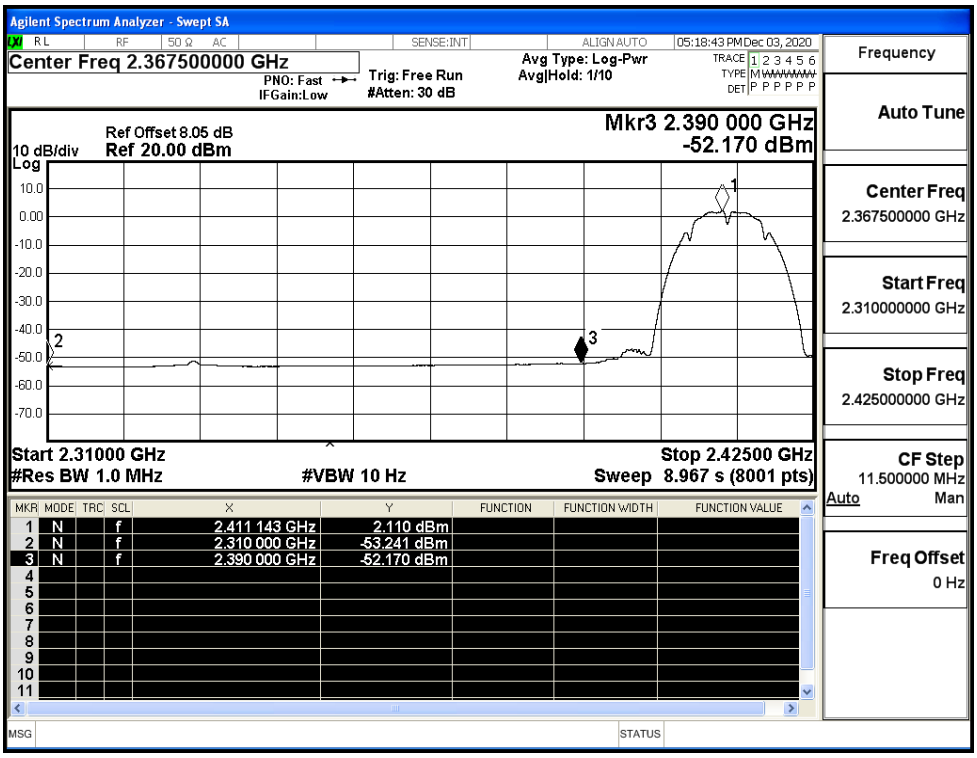
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
11B	2412	Ant1	2310.0	-42.24	3.0	0	54.02	PEAK	74	PASS
	2412	Ant1	2310.0	-53.24	3.0	0	43.02	AV	54	PASS
	2412	Ant1	2390.0	-39.95	3.0	0	56.31	PEAK	74	PASS
	2412	Ant1	2390.0	-52.17	3.0	0	44.09	AV	54	PASS
	2462	Ant1	2483.5	-41.65	3.0	0	54.60	PEAK	74	PASS
	2462	Ant1	2483.5	-52.14	3.0	0	44.11	AV	54	PASS
	2462	Ant1	2500.0	-41.41	3.0	0	54.85	PEAK	74	PASS
	2462	Ant1	2500.0	-52.21	3.0	0	44.05	AV	54	PASS
11G	2412	Ant1	2310.0	-43.51	3.0	0	52.75	PEAK	74	PASS
	2412	Ant1	2310.0	-53.42	3.0	0	42.84	AV	54	PASS
	2412	Ant1	2390.0	-41.56	3.0	0	54.70	PEAK	74	PASS
	2412	Ant1	2390.0	-52.19	3.0	0	44.07	AV	54	PASS
	2462	Ant1	2483.5	-41.68	3.0	0	54.57	PEAK	74	PASS
	2462	Ant1	2483.5	-52.18	3.0	0	44.08	AV	54	PASS
	2462	Ant1	2500.0	-41.41	3.0	0	54.85	PEAK	74	PASS
	2462	Ant1	2500.0	-52.47	3.0	0	43.79	AV	54	PASS
11N20 SISO	2412	Ant1	2310.0	-43.42	3.0	0	52.83	PEAK	74	PASS
	2412	Ant1	2310.0	-53.41	3.0	0	42.85	AV	54	PASS
	2412	Ant1	2390.0	-41.01	3.0	0	55.25	PEAK	74	PASS
	2412	Ant1	2390.0	-52.11	3.0	0	44.14	AV	54	PASS
	2462	Ant1	2483.5	-41.51	3.0	0	54.75	PEAK	74	PASS
	2462	Ant1	2483.5	-51.99	3.0	0	44.27	AV	54	PASS
	2462	Ant1	2500.0	-42.81	3.0	0	53.45	PEAK	74	PASS
	2462	Ant1	2500.0	-52.41	3.0	0	43.85	AV	54	PASS
11N40 SISO	2422	Ant1	2310.0	-43.03	3.0	0	53.23	PEAK	74	PASS
	2422	Ant1	2310.0	-53.27	3.0	0	42.99	AV	54	PASS

	2422	Ant1	2390.0	-37.85	3.0	0	58.41	PEAK	74	PASS
	2422	Ant1	2390.0	-51.73	3.0	0	44.53	AV	54	PASS
	2452	Ant1	2483.5	-39.80	3.0	0	56.46	PEAK	74	PASS
	2452	Ant1	2483.5	-50.97	3.0	0	45.29	AV	54	PASS
	2452	Ant1	2500.0	-40.82	3.0	0	55.43	PEAK	74	PASS
	2452	Ant1	2500.0	-52.23	3.0	0	44.03	AV	54	PASS

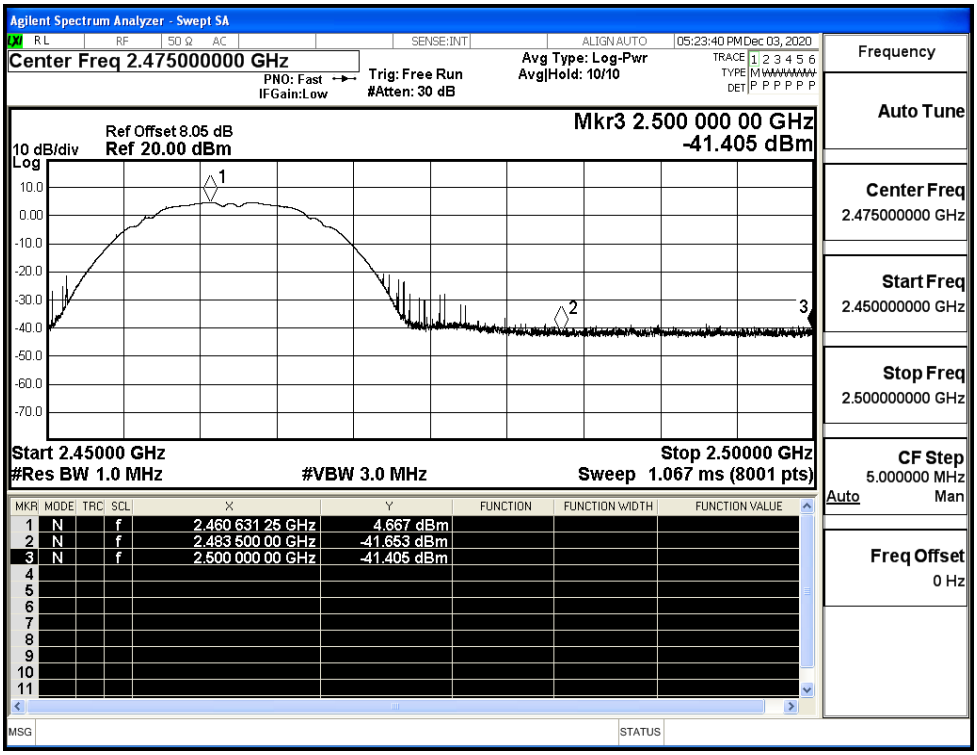
Restrict-band band-edge measurements_11B_2412_Ant1_PEAK



Restrict-band band-edge measurements_11B_2412_Ant1_AV



Restrict-band band-edge measurements_11B_2462_Ant1_PEAK



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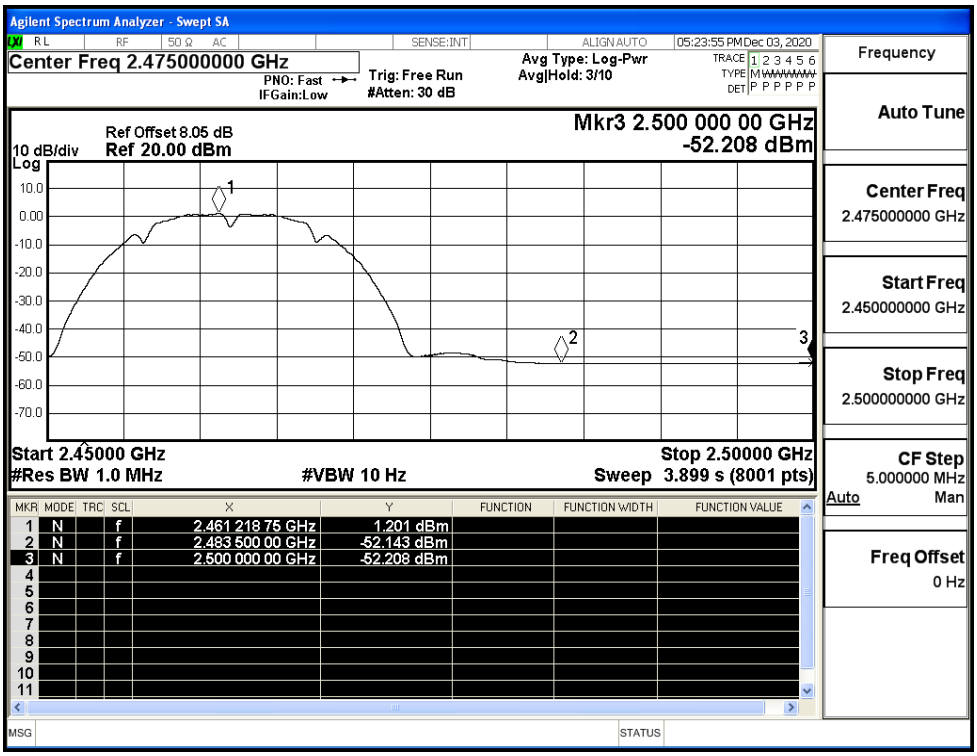

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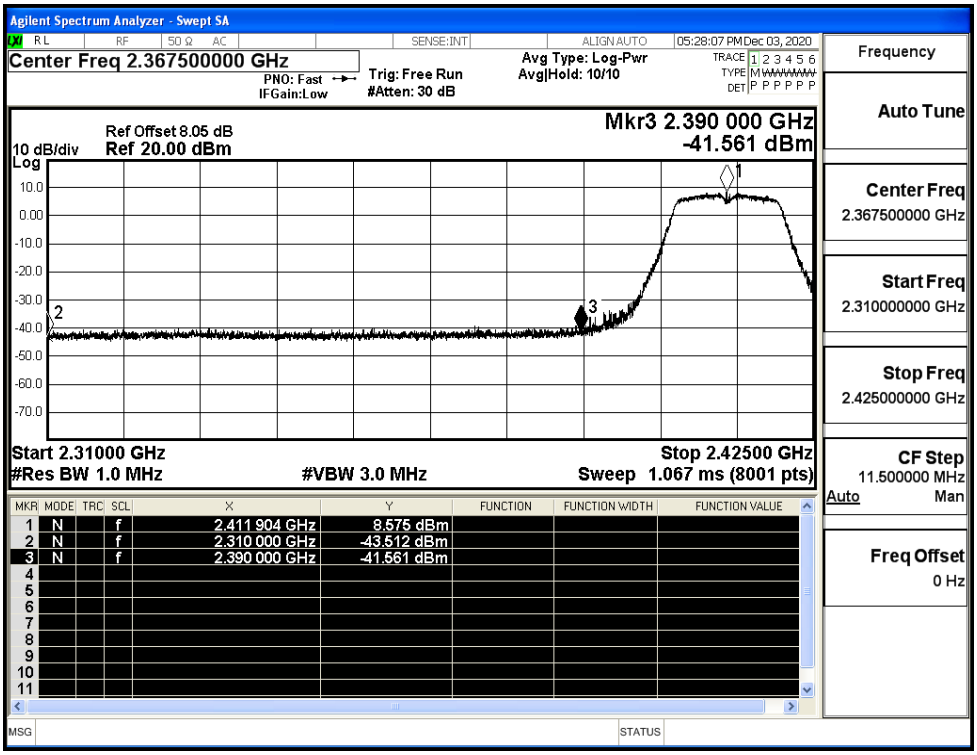

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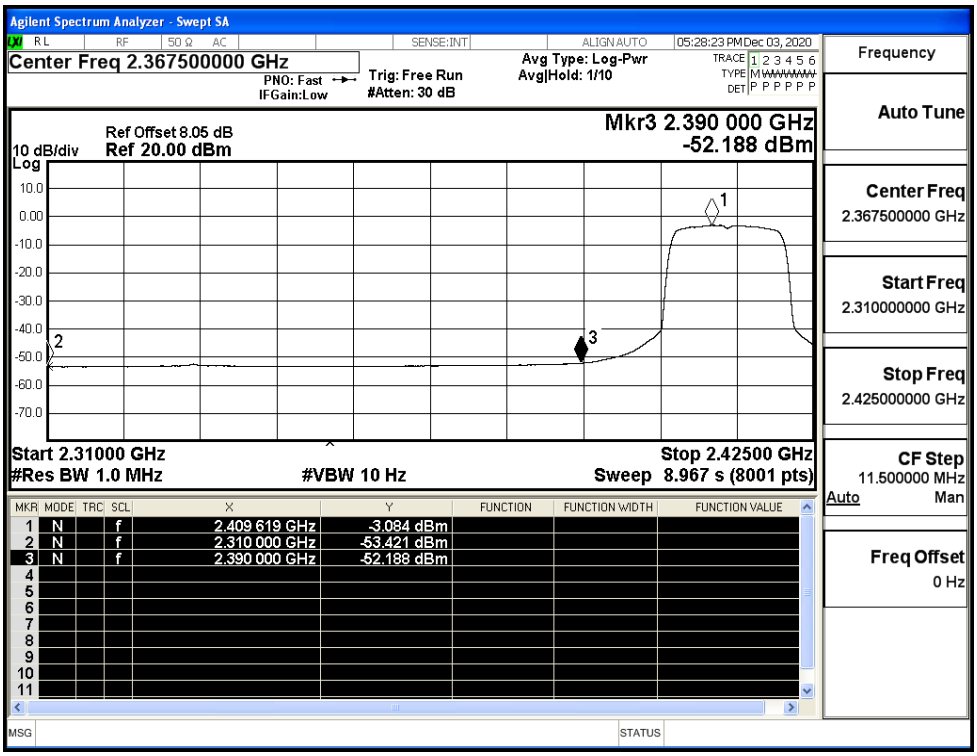

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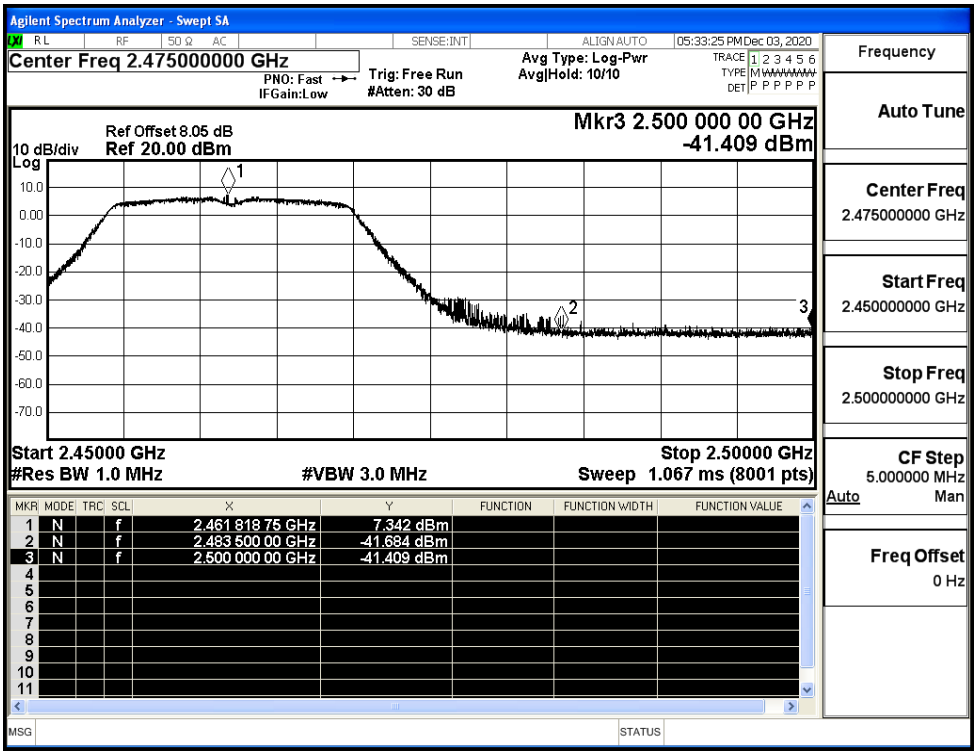

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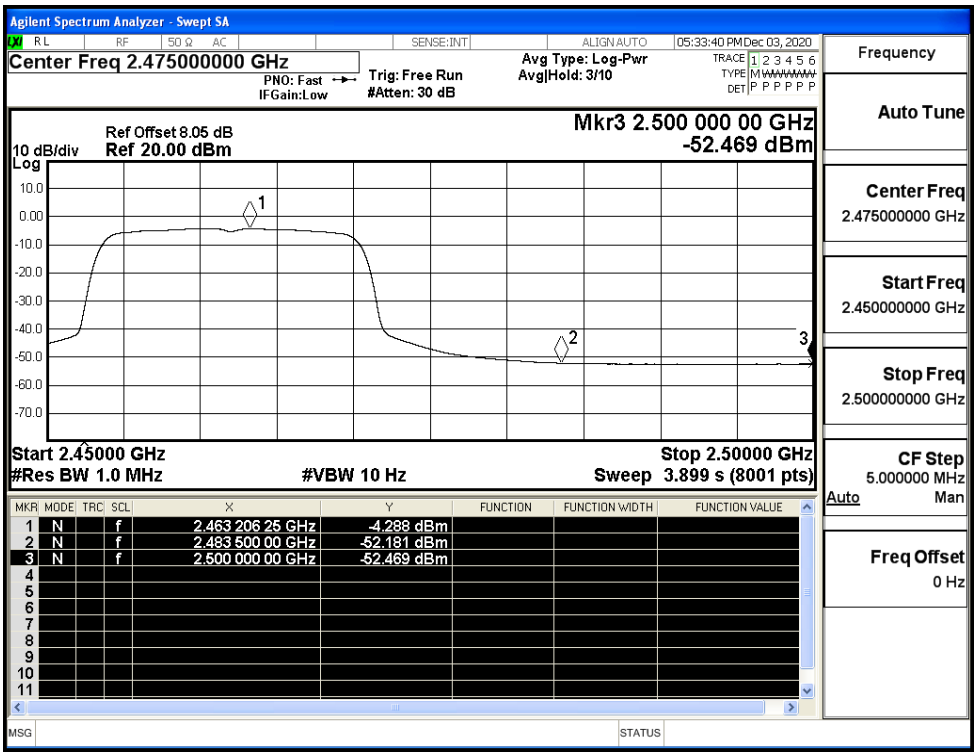
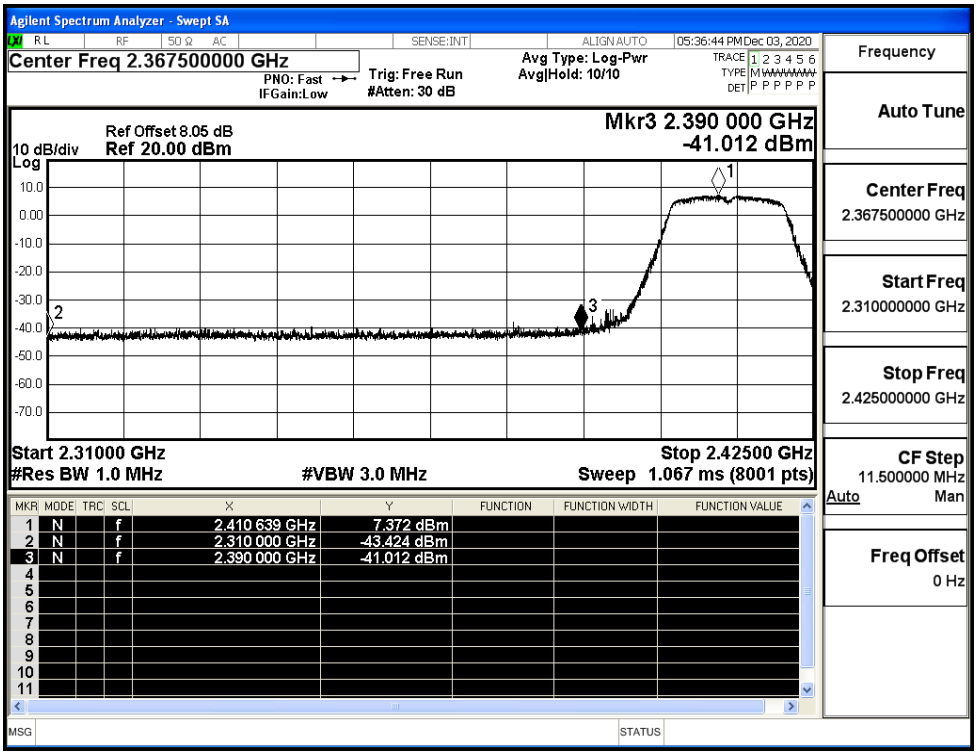


Restrict-band band-edge measurements_11N20SISO_2412_Ant1_PEAK



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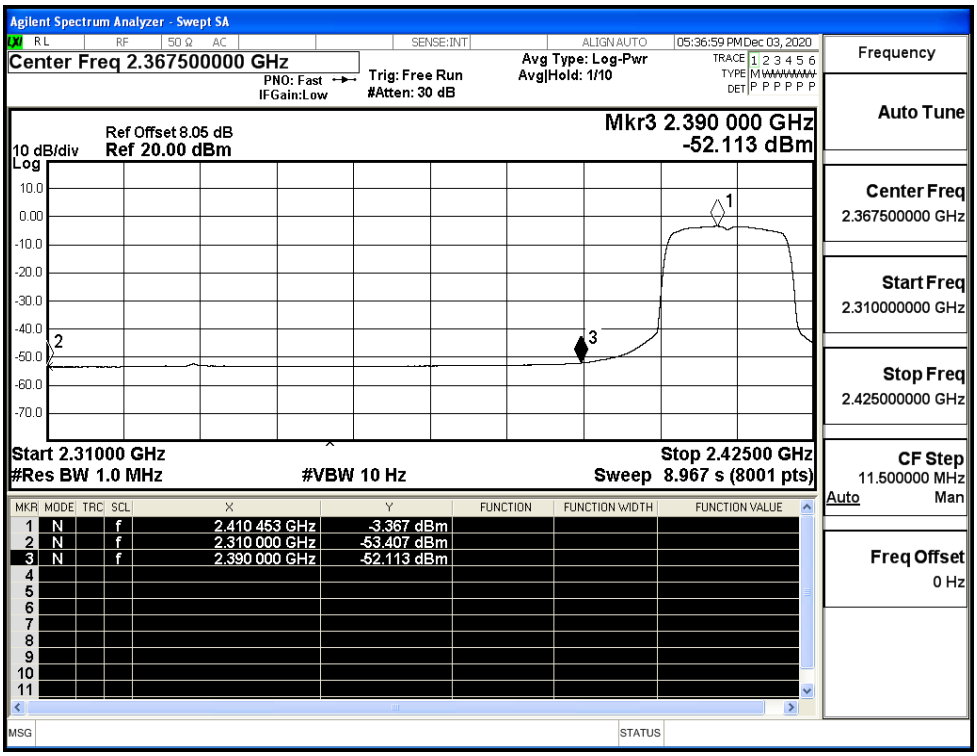
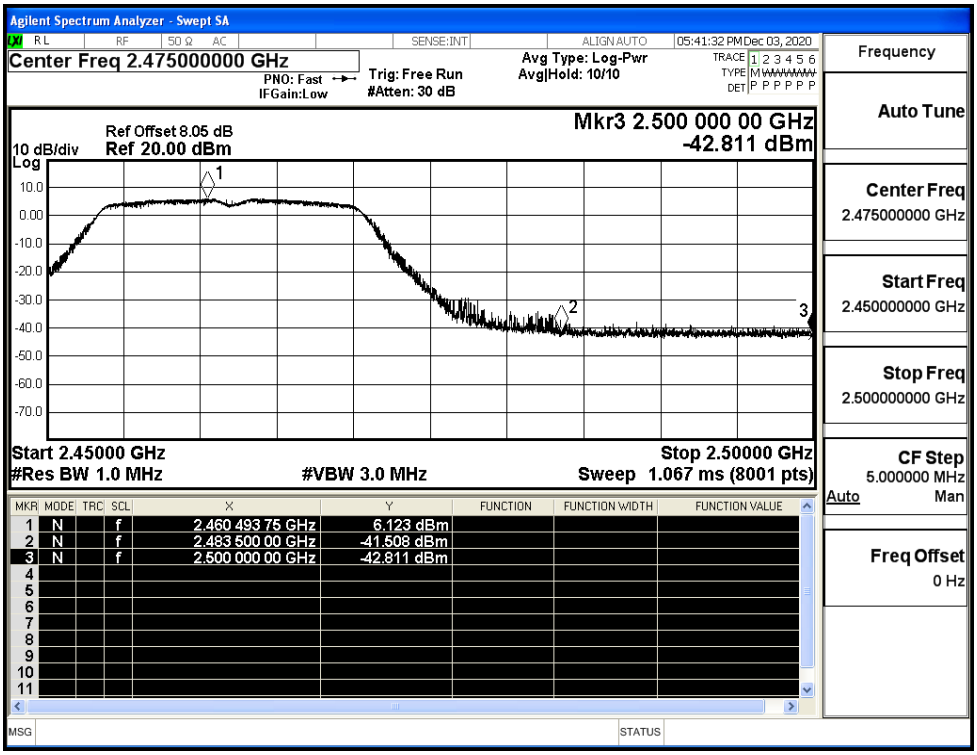
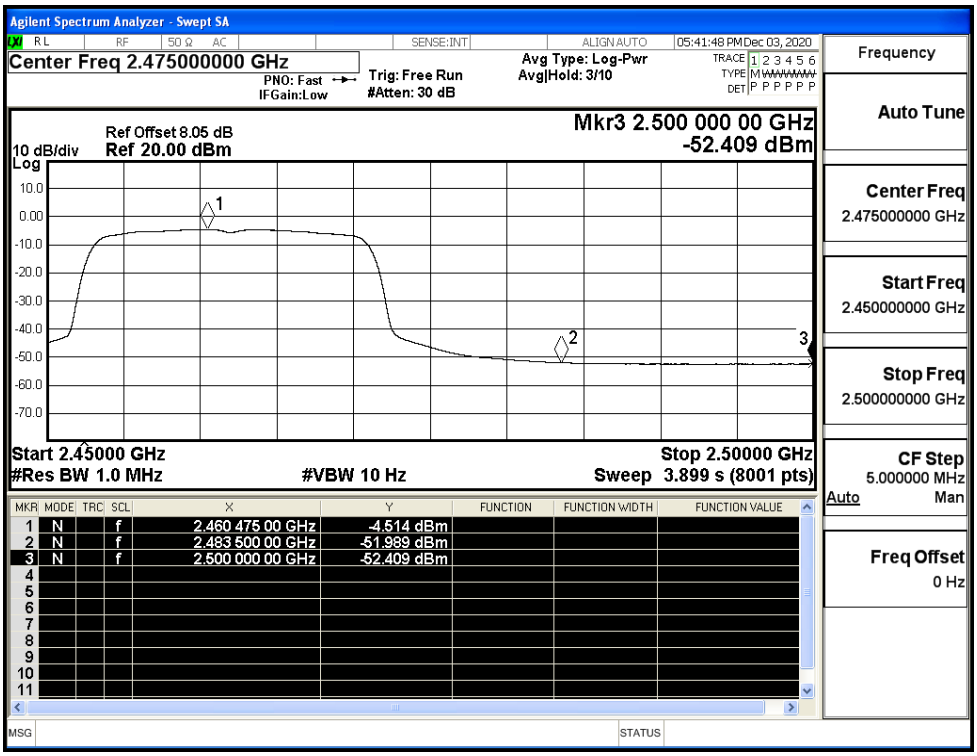


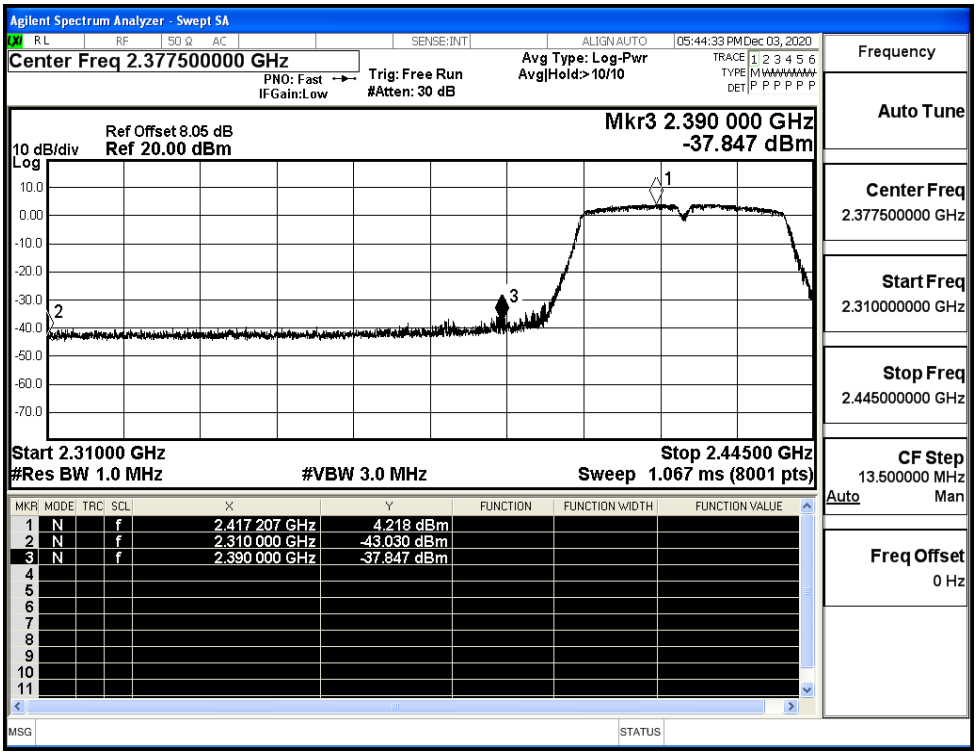
Restrict-band band-edge measurements_11N20SISO_2462_Ant1_PEAK



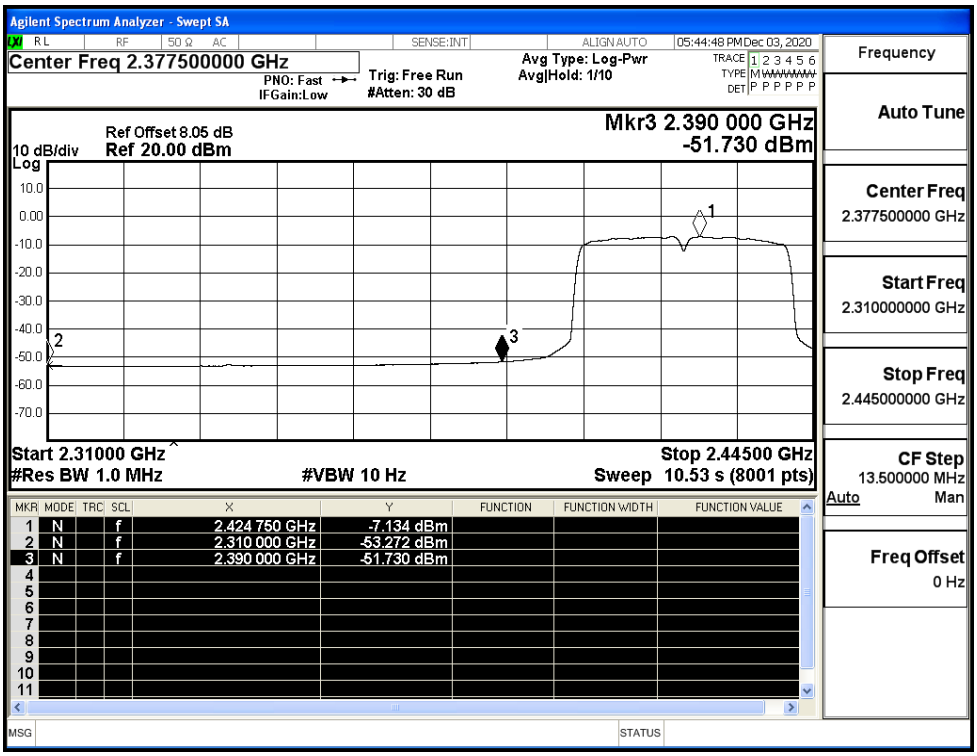
Restrict-band band-edge measurements_11N20SISO_2462_Ant1_AV



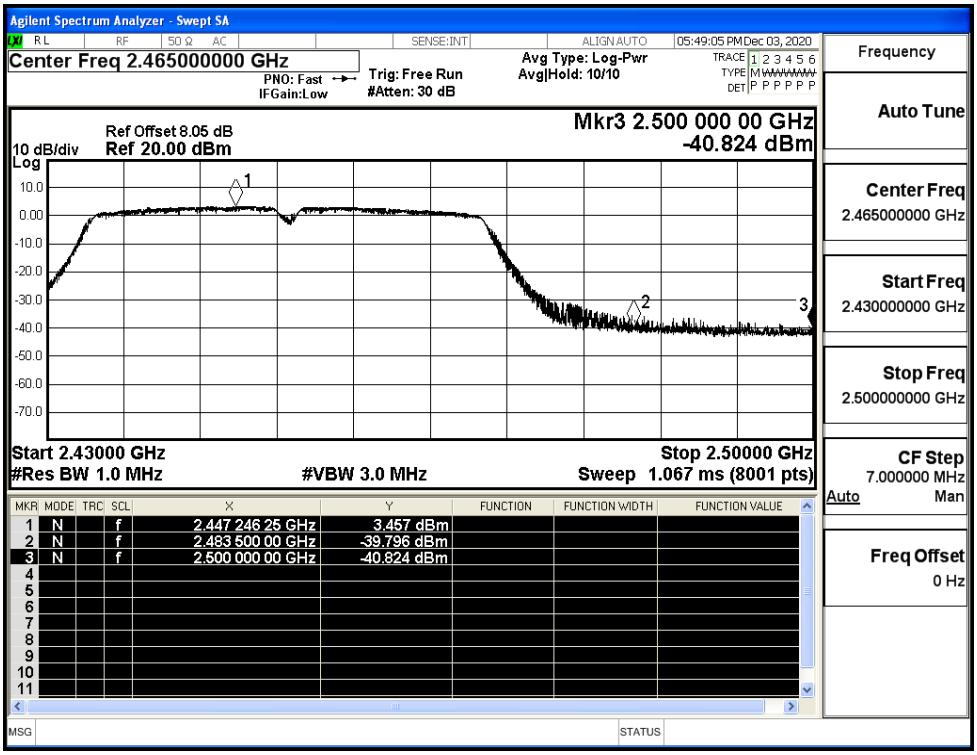
Restrict-band band-edge measurements_11N40SISO_2422_Ant1_PEAK



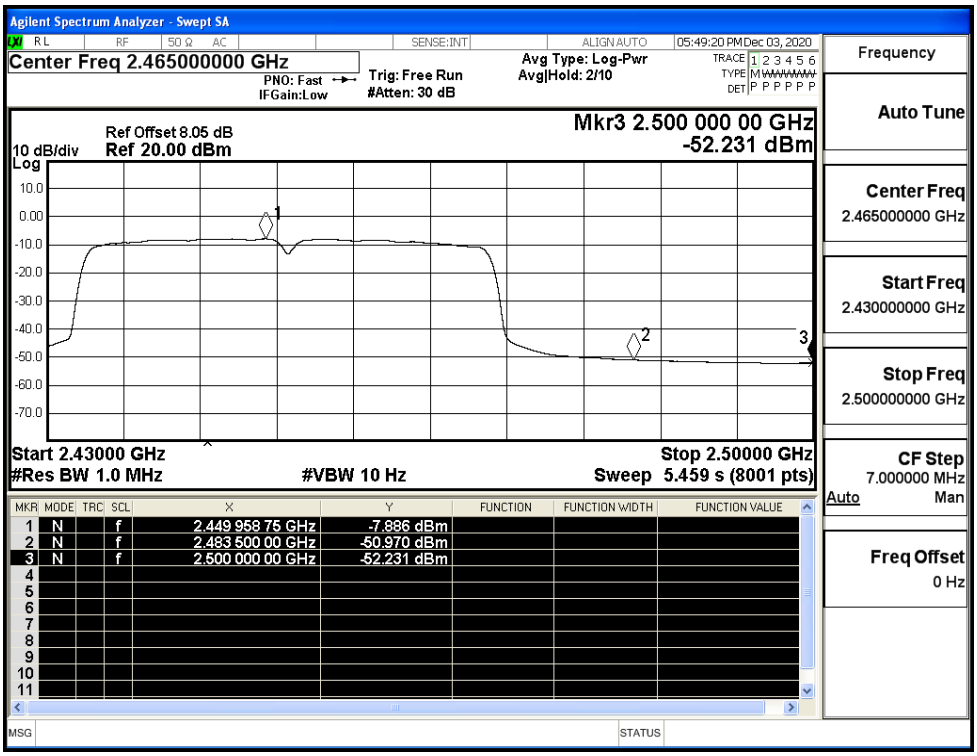
Restrict-band band-edge measurements_11N40SISO_2422_Ant1_AV



Restrict-band band-edge measurements_11N40SISO_2452_Ant1_PEAK



Restrict-band band-edge measurements_11N40SISO_2452_Ant1_AV



MIMO

Test Mode	Test Channel	Freq.	ANT 0 Power [dBm]	ANT 1 Power [dBm]	MIMO Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
11N20	2412	2310.0	-42.98	-43.42	-42.98	6.01	0	59.08	PEAK	74	PASS
	2412	2310.0	-53.40	-53.41	-53.40	6.01	0	48.87	AV	54	PASS
	2412	2390.0	-35.59	-41.01	-35.59	6.01	0	64.77	PEAK	74	PASS
	2412	2390.0	-49.81	-52.11	-49.81	6.01	0	51.46	AV	54	PASS
	2462	2483.5	-39.76	-41.51	-39.76	6.01	0	61.72	PEAK	74	PASS
	2462	2483.5	-51.06	-51.99	-51.06	6.01	0	50.77	AV	54	PASS
	2462	2500.0	-41.14	-42.81	-41.14	6.01	0	60.38	PEAK	74	PASS
	2462	2500.0	-52.34	-52.41	-52.34	6.01	0	49.90	AV	54	PASS
11N40	2422	2310.0	-42.64	-43.03	-42.64	6.01	0	59.44	PEAK	74	PASS
	2422	2310.0	-53.36	-53.27	-53.36	6.01	0	48.96	AV	54	PASS
	2422	2390.0	-31.29	-37.85	-31.29	6.01	0	68.84	PEAK	74	PASS
	2422	2390.0	-49.38	-51.73	-49.38	6.01	0	51.87	AV	54	PASS
	2452	2483.5	-37.37	-39.80	-37.37	6.01	0	63.85	PEAK	74	PASS
	2452	2483.5	-49.37	-50.97	-49.37	6.01	0	52.17	AV	54	PASS
	2452	2500.0	-41.59	-40.82	-41.59	6.01	0	61.08	PEAK	74	PASS
	2452	2500.0	-52.02	-52.23	-52.02	6.01	0	50.15	AV	54	PASS

The upper bound on antenna gain for a device with a single RF output shall be selected as the maximum in-band gain of the antenna across all operating bands or 2 dBi, whichever is greater

Directional gain=3dBi+10 log (2) = 6.01dBi