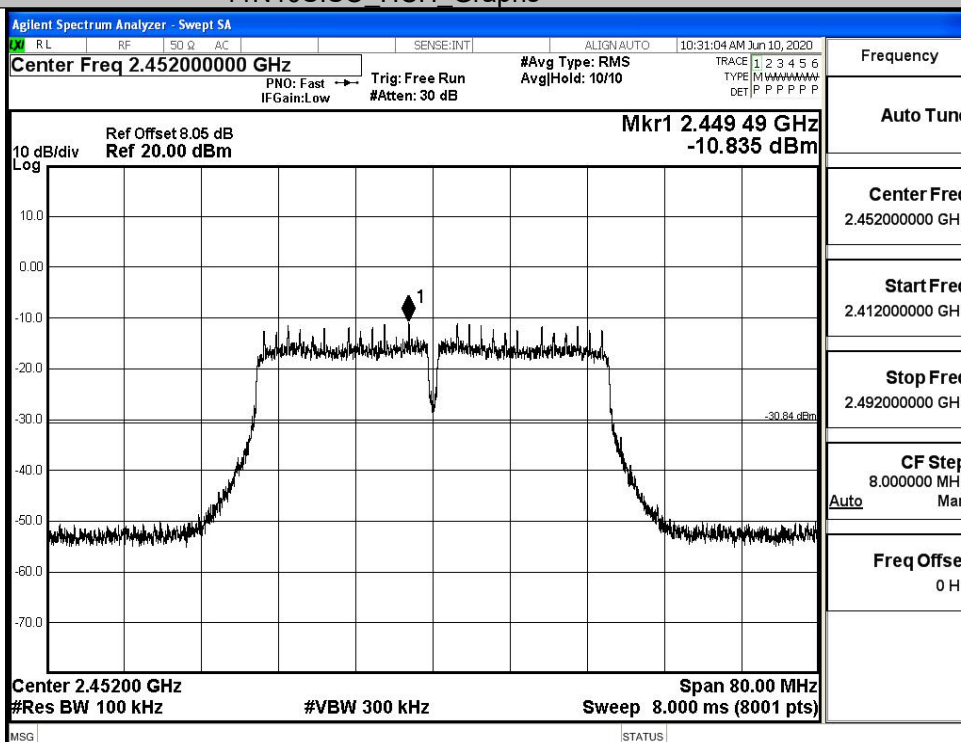
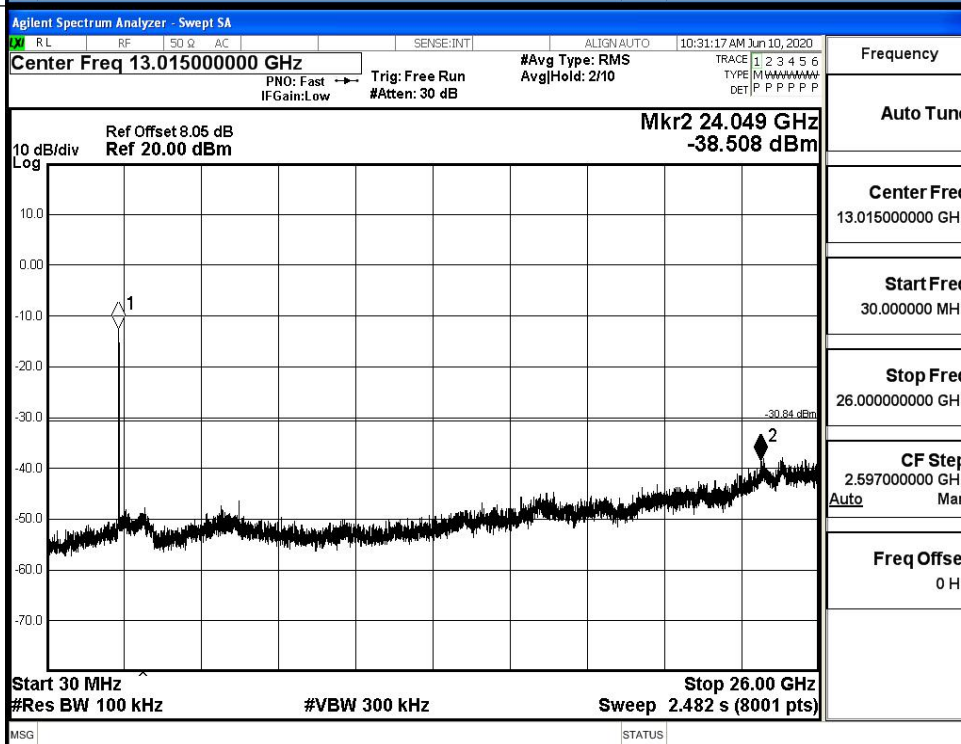


11N40SISO HCH Graphs

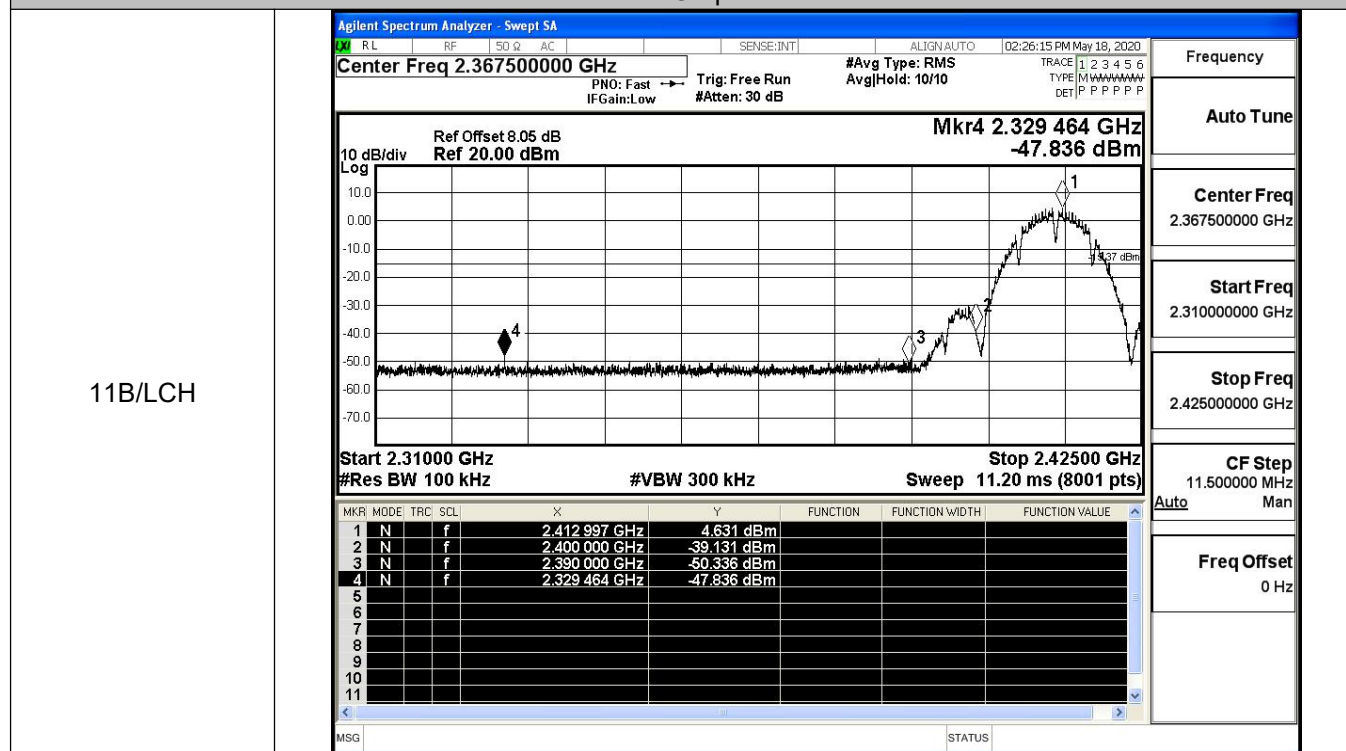
Pref/11N40
SISO/HCHPuw/11N40
SISO/HCH

C.6 Band-edge for RF Conducted Emissions

ANT 0

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	4.631	-47.836	-15.37	PASS
	HCH	4.346	-46.269	-15.65	PASS
11G	LCH	0.217	-40.215	-19.78	PASS
	HCH	0.412	-47.936	-19.59	PASS
11N20SISO	LCH	-0.583	-41.602	-20.58	PASS
	HCH	-0.561	-47.270	-20.56	PASS
11N40SISO	LCH	-3.959	-48.148	-23.96	PASS
	HCH	-3.963	-46.689	-23.96	PASS

Test Graphs



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:30:16 PM May 18, 2020

Center Freq 2.475000000 GHz PNO: Fast Trg: Free Run #Avg Type: RMS #Atten: 30 dB
 IF Gain: Low Avg Hold: 10/10

TRACE 1 2 3 4 5 6 TYPE M W A V I N N TYPE P P P P P P DET

Frequency Auto Tune

Center Freq 2.475000000 GHz

Start Freq 2.450000000 GHz

Stop Freq 2.500000000 GHz

CF Step 5.000000 MHz

Ref Offset 8.05 dB Ref 20.00 dBm

Mkr4 2.485 975 00 GHz -46.269 dBm

10 dB/div Log

15.65 dBm

Start 2.45000 GHz Stop 2.50000 GHz
 #Res BW 100 kHz #VBW 300 kHz Sweep 4.800 ms (8001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N		f	2.462 993 75 GHz	4.346 dBm			
2	N		f	2.483 500 00 GHz	-50.790 dBm			
3	N		f	2.500 000 00 GHz	-52.496 dBm			
4	N		f	2.485 975 00 GHz	-46.269 dBm			
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Freq Offset 0 Hz

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 02:38:20 PM May 18, 2020

Center Freq 2.367500000 GHz PNO: Fast → Trig: Free Run IF Gain: Low #Atten: 30 dB

#Avg Type: RMS Avg/Hold: 10/10 TRACE 1 2 3 4 5 6 TYPE M W I D E T P P P P P P

Mkr4 2.389 479 GHz -40.215 dBm

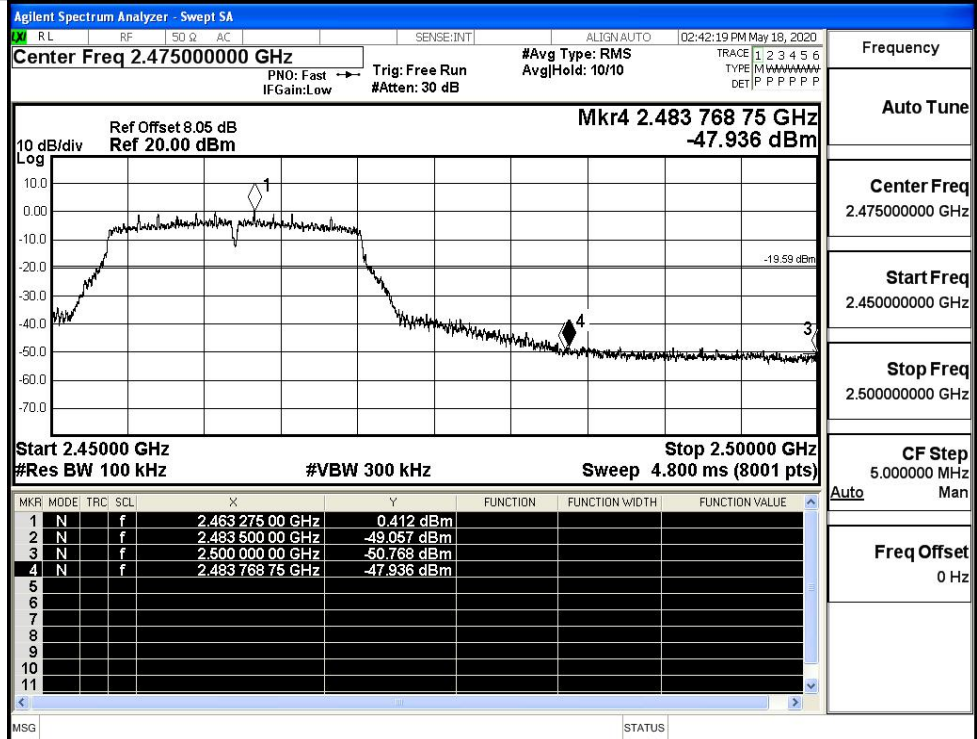
Ref Offset 8.05 dB Ref 20.00 dBm

Start 2.31000 GHz Stop 2.42500 GHz
#Res BW 100 kHz #VBW 300 kHz Sweep 11.20 ms (8001 pts)

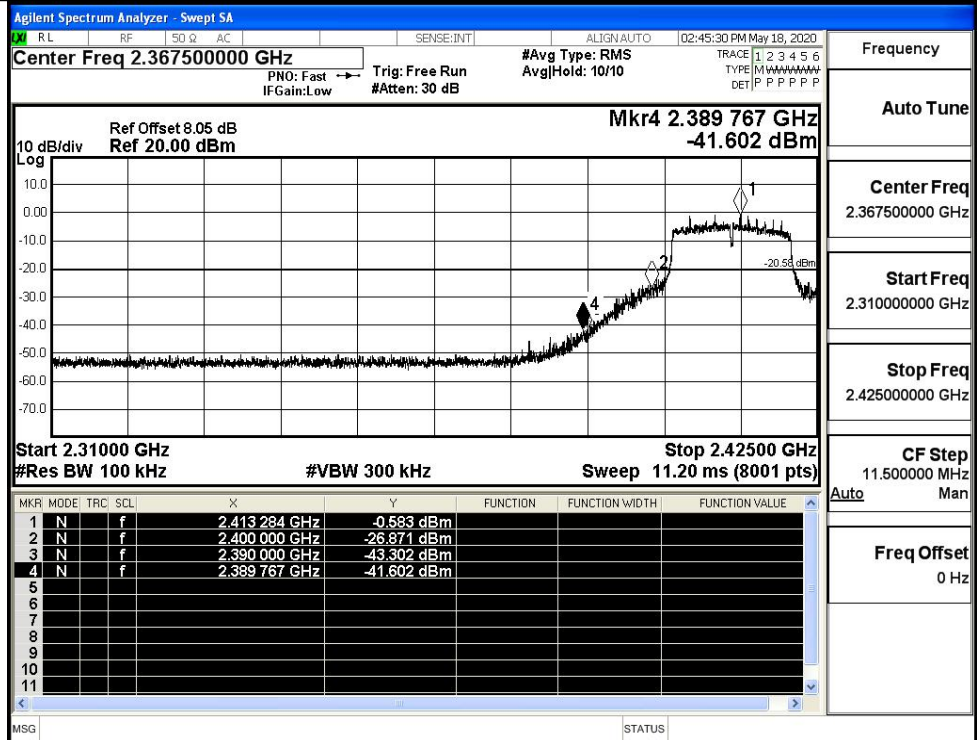
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	f		2.413 241 GHz	0.217 dBm			
2	N	f		2.400 000 GHz	-26.988 dBm			
3	N	f		2.390 000 GHz	-42.839 dBm			
4	N	f		2.389 479 GHz	-40.215 dBm			
5								
6								
7								
8								
9								
10								
11								

Frequency Auto Tune Center Freq 2.367500000 GHz Start Freq 2.310000000 GHz Stop Freq 2.425000000 GHz CF Step 11.500000 MHz Auto Man Freq Offset 0 Hz

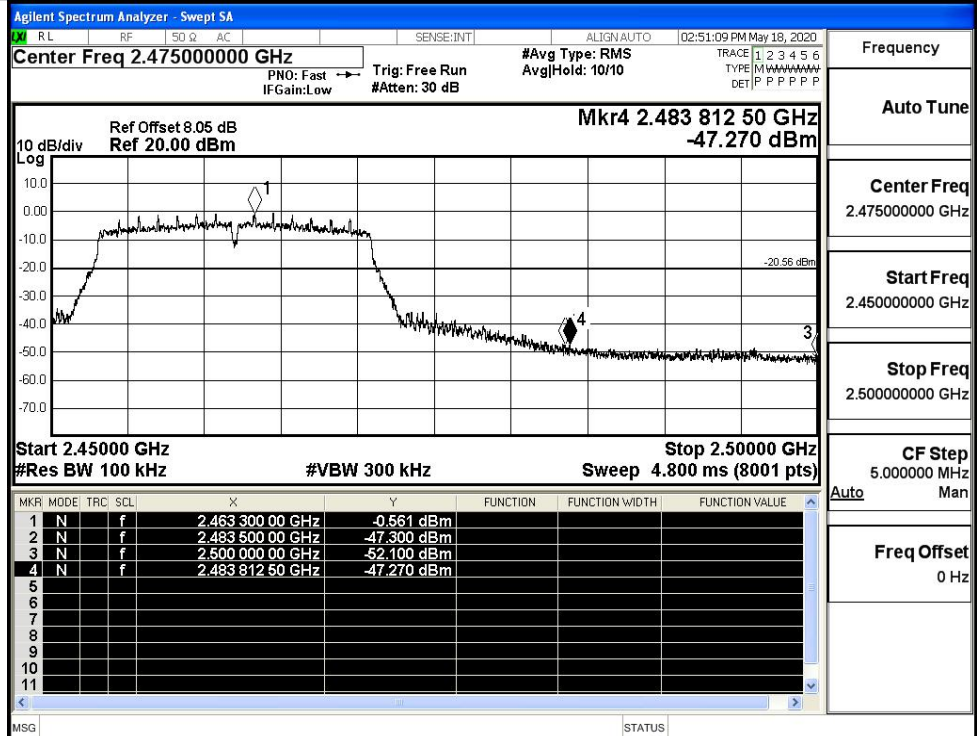
11G/HCH



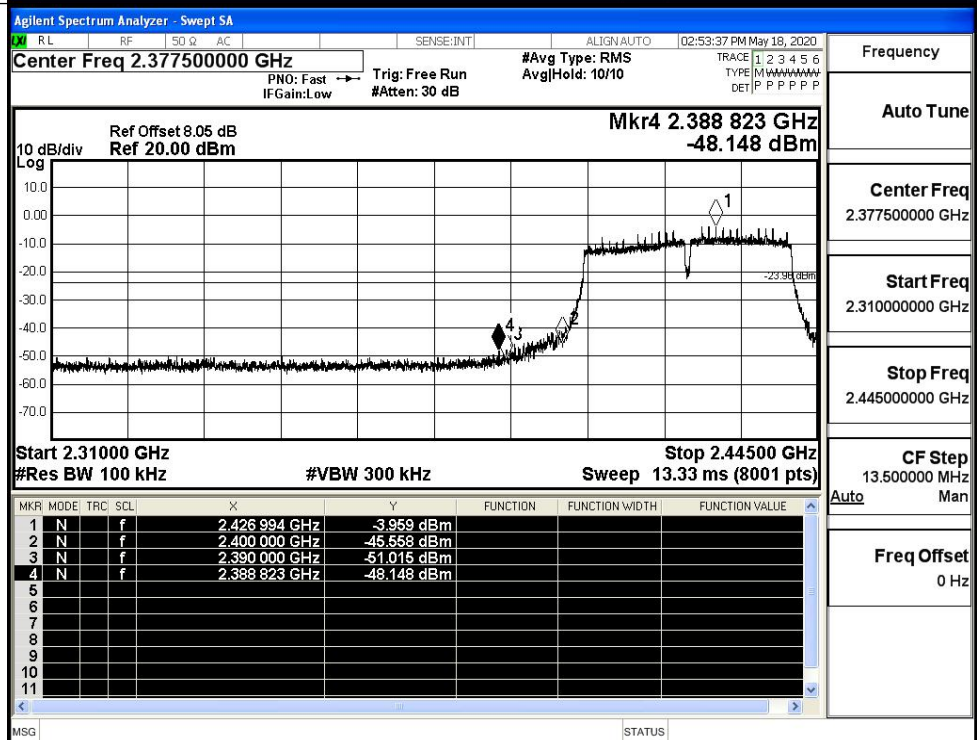
11N20SISO/LCH



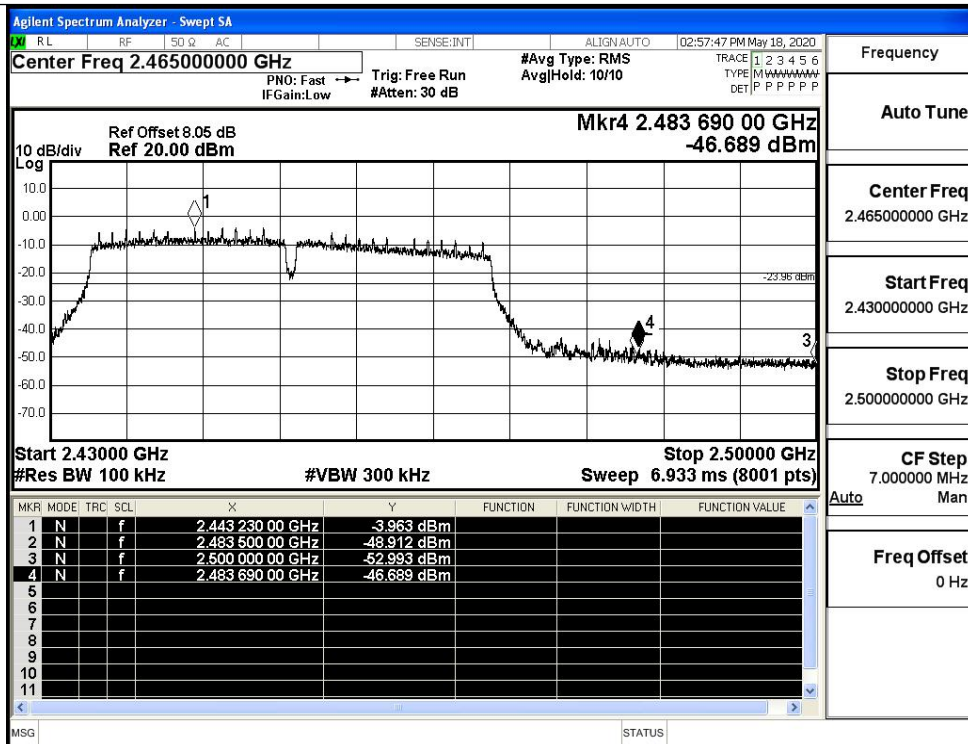
11N20SISO/HCH



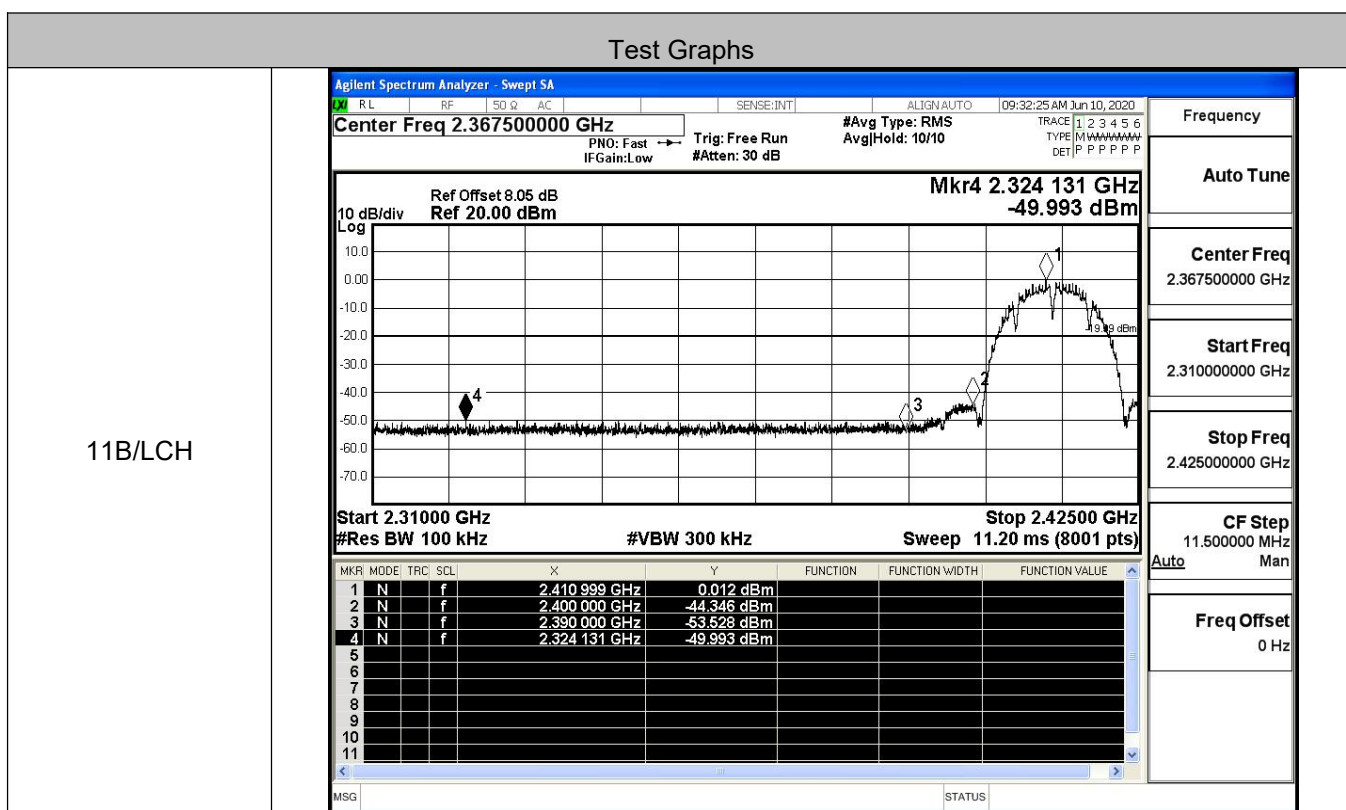
11N40SISO/LCH



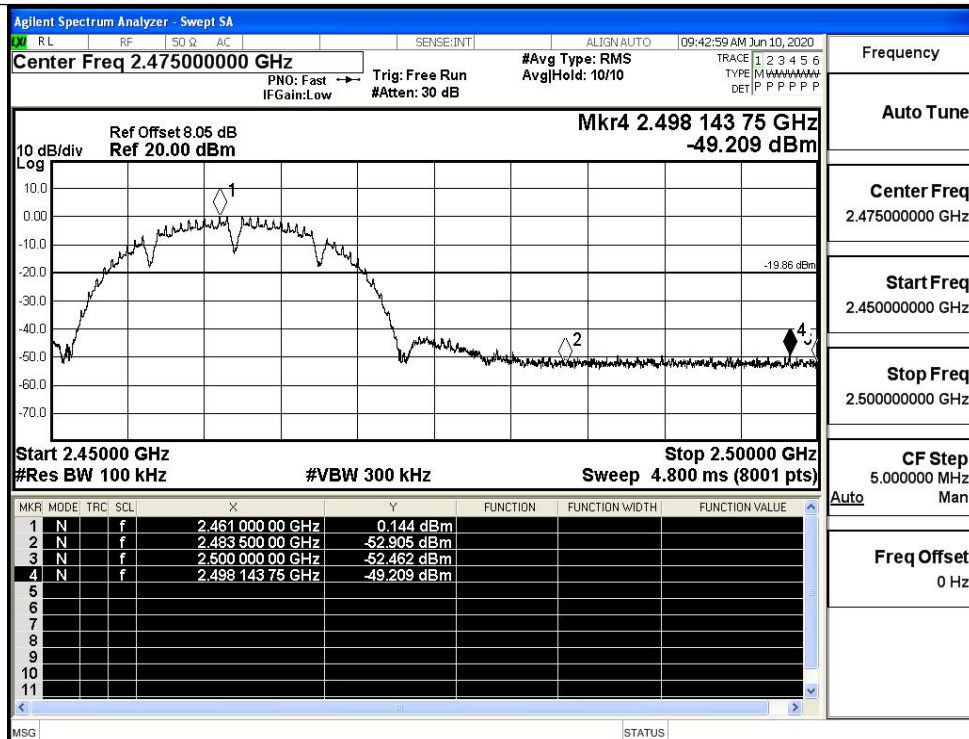
11N40SISO/HCH



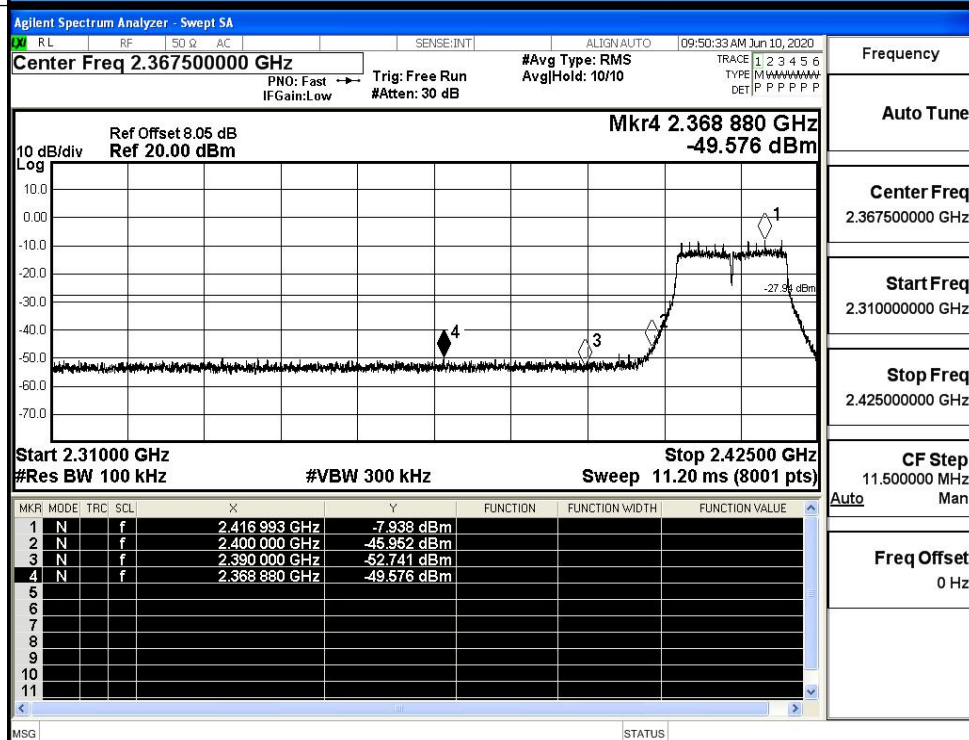
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	0.012	-49.993	-19.99	PASS
	HCH	0.144	-49.209	-19.86	PASS
11G	LCH	-7.938	-49.576	-27.94	PASS
	HCH	-8.330	-48.729	-28.33	PASS
11N20SISO	LCH	-8.088	-50.028	-28.09	PASS
	HCH	-7.901	-49.570	-27.9	PASS
11N40SISO	LCH	-11.253	-49.759	-31.25	PASS
	HCH	-11.311	-48.879	-31.31	PASS



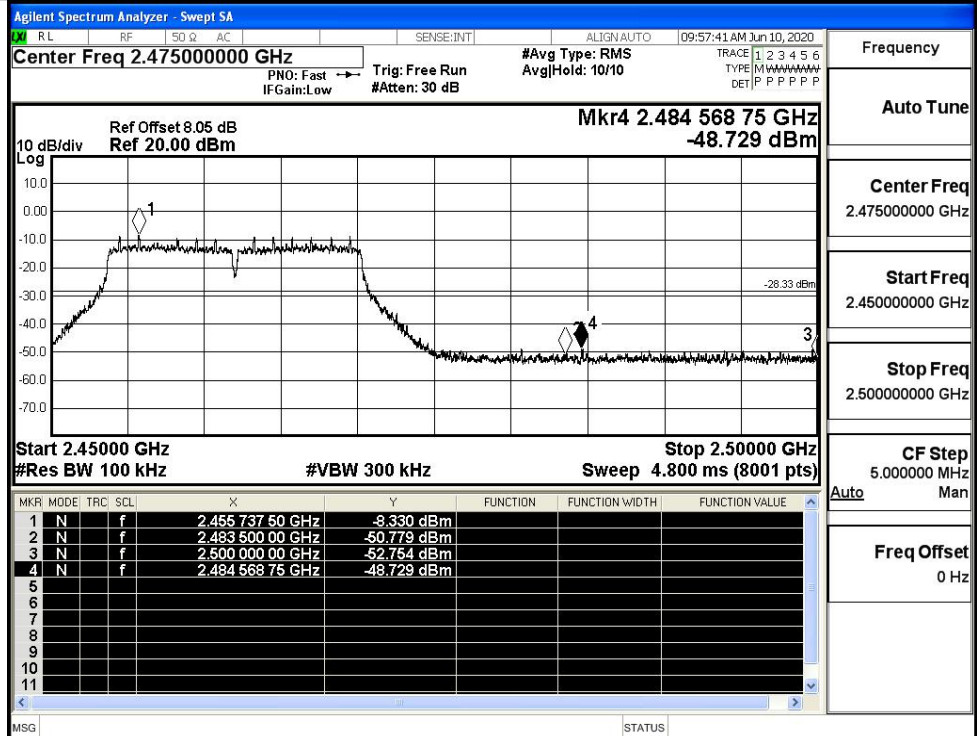
11B/HCH



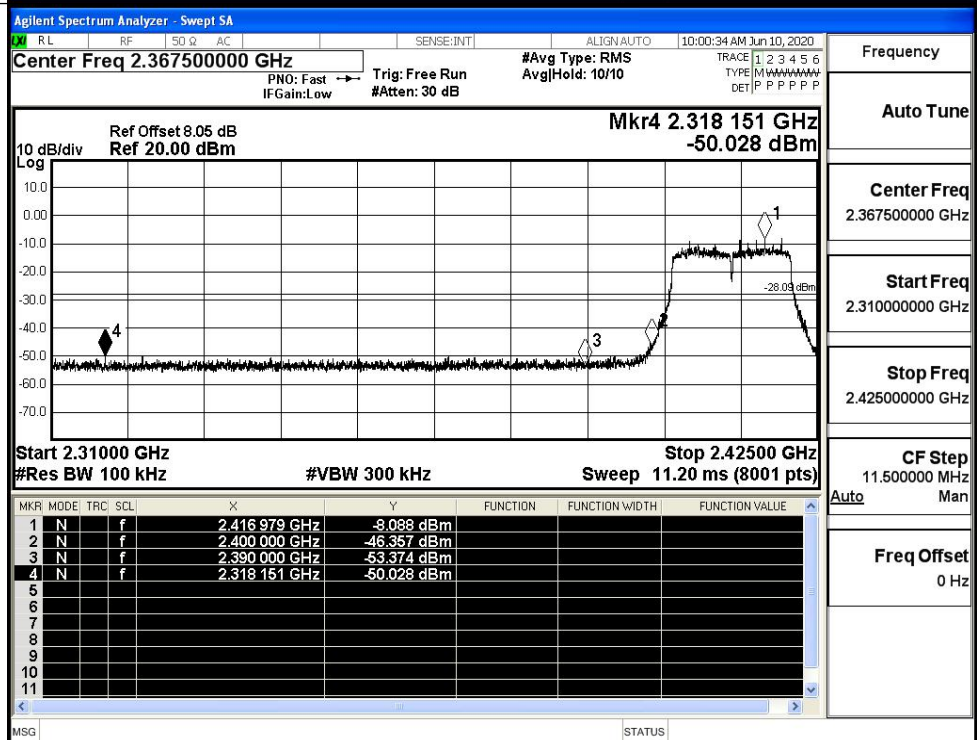
11G/LCH



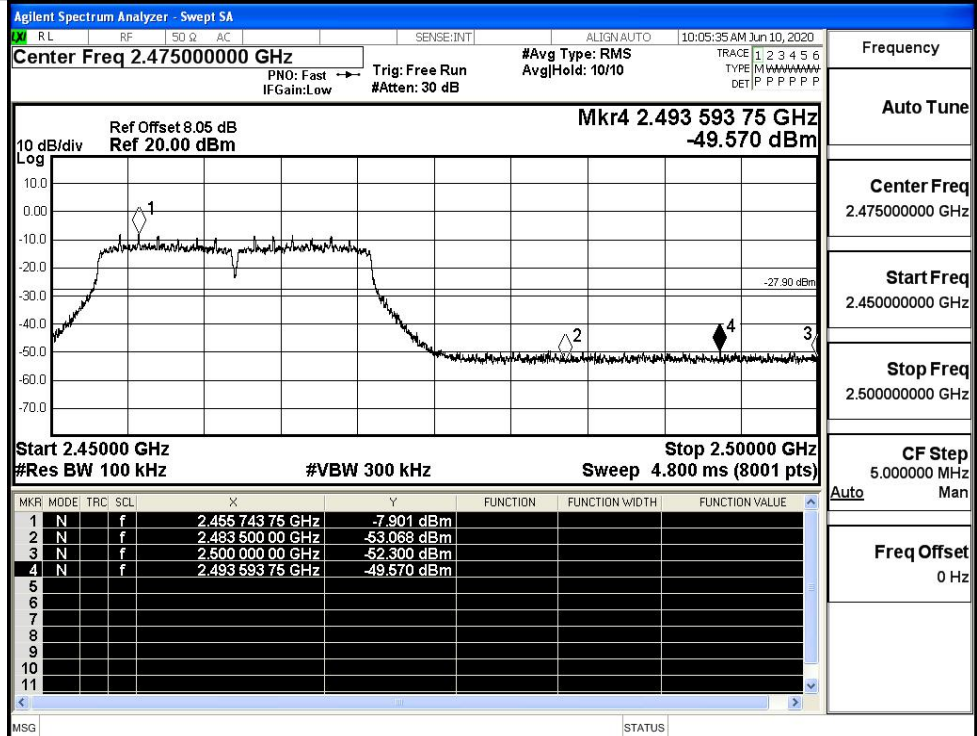
11G/HCH



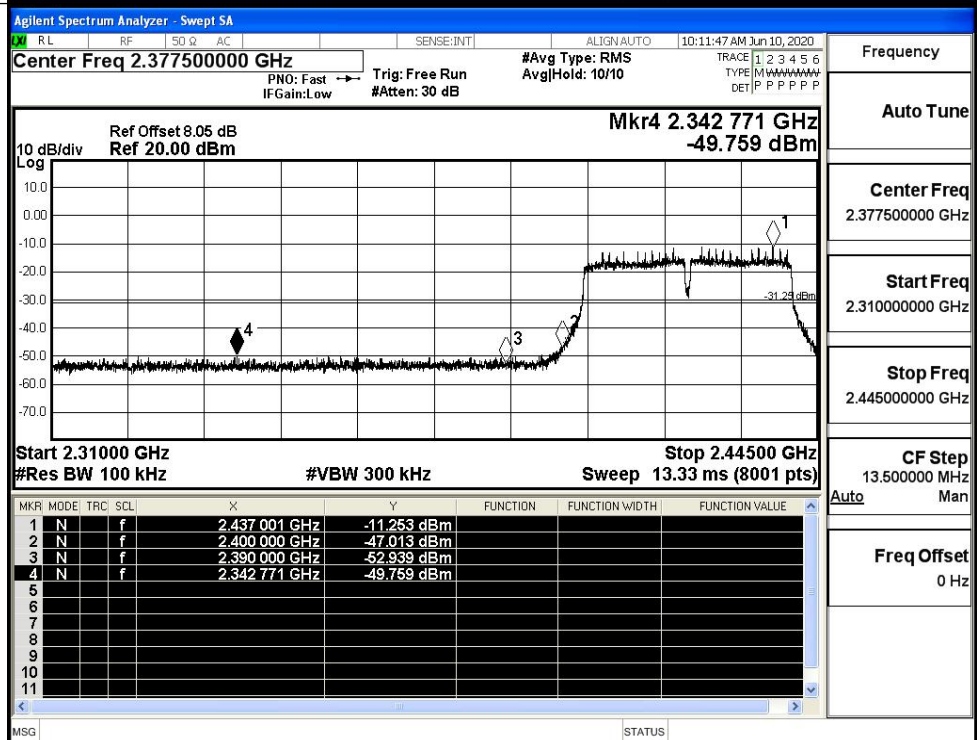
11N20SISO/LCH



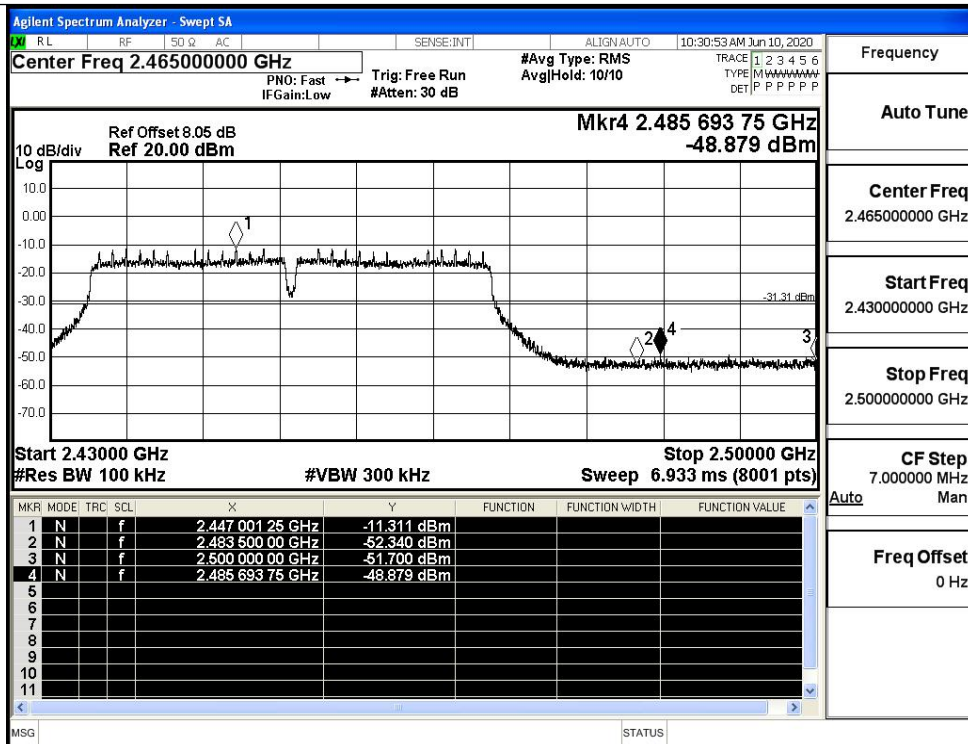
11N20SISO/HCH



11N40SISO/LCH



11N40SISO/HCH

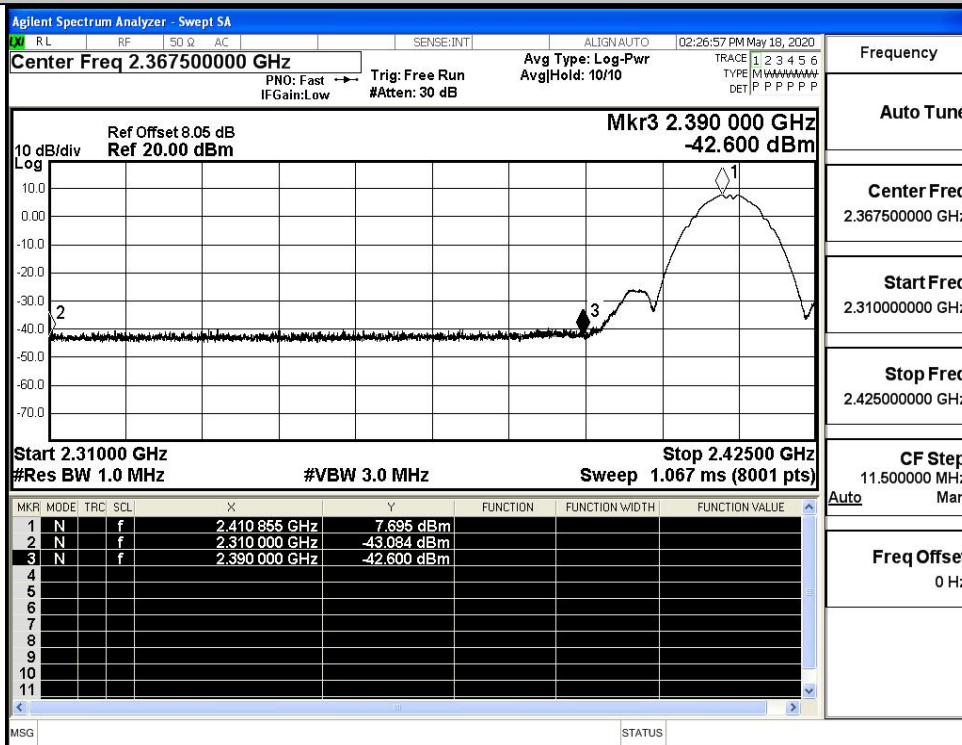


C.7 Restrict-band band-edge measurements**ANT 0**

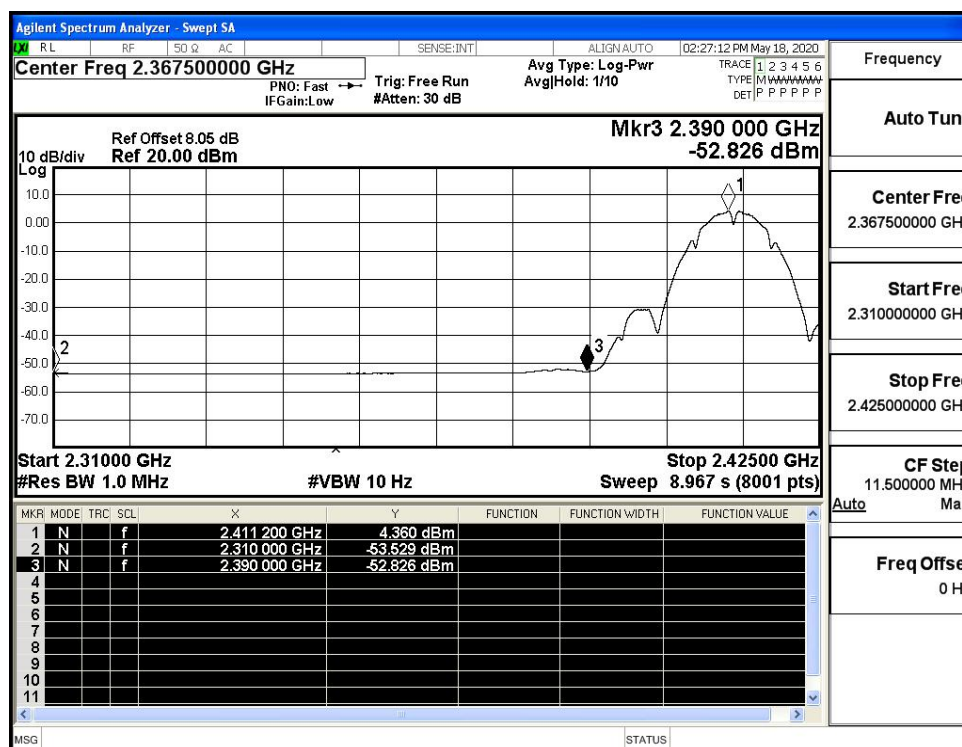
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
11B	2412	Ant 0	2310.0	-43.08	2.0	0	54.17	PEAK	74	PASS
	2412	Ant 0	2310.0	-53.53	2.0	0	43.73	AV	54	PASS
	2412	Ant 0	2390.0	-42.60	2.0	0	54.66	PEAK	74	PASS
	2412	Ant 0	2390.0	-52.83	2.0	0	44.43	AV	54	PASS
	2462	Ant 0	2483.5	-40.00	2.0	0	57.25	PEAK	74	PASS
	2462	Ant 0	2483.5	-50.80	2.0	0	46.45	AV	54	PASS
	2462	Ant 0	2500.0	-42.47	2.0	0	54.79	PEAK	74	PASS
	2462	Ant 0	2500.0	-52.59	2.0	0	44.67	AV	54	PASS
11G	2412	Ant 0	2310.0	-44.47	2.0	0	52.79	PEAK	74	PASS
	2412	Ant 0	2310.0	-53.57	2.0	0	43.68	AV	54	PASS
	2412	Ant 0	2390.0	-27.53	2.0	0	69.73	PEAK	74	PASS
	2412	Ant 0	2390.0	-46.22	2.0	0	51.04	AV	54	PASS
	2462	Ant 0	2483.5	-39.09	2.0	0	58.17	PEAK	74	PASS
	2462	Ant 0	2483.5	-49.89	2.0	0	47.37	AV	54	PASS
	2462	Ant 0	2500.0	-42.49	2.0	0	54.77	PEAK	74	PASS
	2462	Ant 0	2500.0	-52.59	2.0	0	44.67	AV	54	PASS
11N20 SISO	2412	Ant 0	2310.0	-43.84	2.0	0	53.41	PEAK	74	PASS
	2412	Ant 0	2310.0	-53.57	2.0	0	43.69	AV	54	PASS
	2412	Ant 0	2390.0	-28.54	2.0	0	68.71	PEAK	74	PASS
	2412	Ant 0	2390.0	-46.32	2.0	0	50.94	AV	54	PASS
	2462	Ant 0	2483.5	-36.07	2.0	0	61.19	PEAK	74	PASS
	2462	Ant 0	2483.5	-49.77	2.0	0	47.49	AV	54	PASS
	2462	Ant 0	2500.0	-40.86	2.0	0	56.40	PEAK	74	PASS
	2462	Ant 0	2500.0	-52.55	2.0	0	44.71	AV	54	PASS
11N40 SISO	2422	Ant 0	2310.0	-42.84	2.0	0	54.41	PEAK	74	PASS
	2422	Ant 0	2310.0	-53.51	2.0	0	43.74	AV	54	PASS

	2422	Ant 0	2390.0	-35.05	2.0	0	62.21	PEAK	74	PASS
	2422	Ant 0	2390.0	-51.66	2.0	0	45.60	AV	54	PASS
	2452	Ant 0	2483.5	-33.84	2.0	0	63.42	PEAK	74	PASS
	2452	Ant 0	2483.5	-50.91	2.0	0	46.35	AV	54	PASS
	2452	Ant 0	2500.0	-41.52	2.0	0	55.74	PEAK	74	PASS
	2452	Ant 0	2500.0	-52.55	2.0	0	44.71	AV	54	PASS

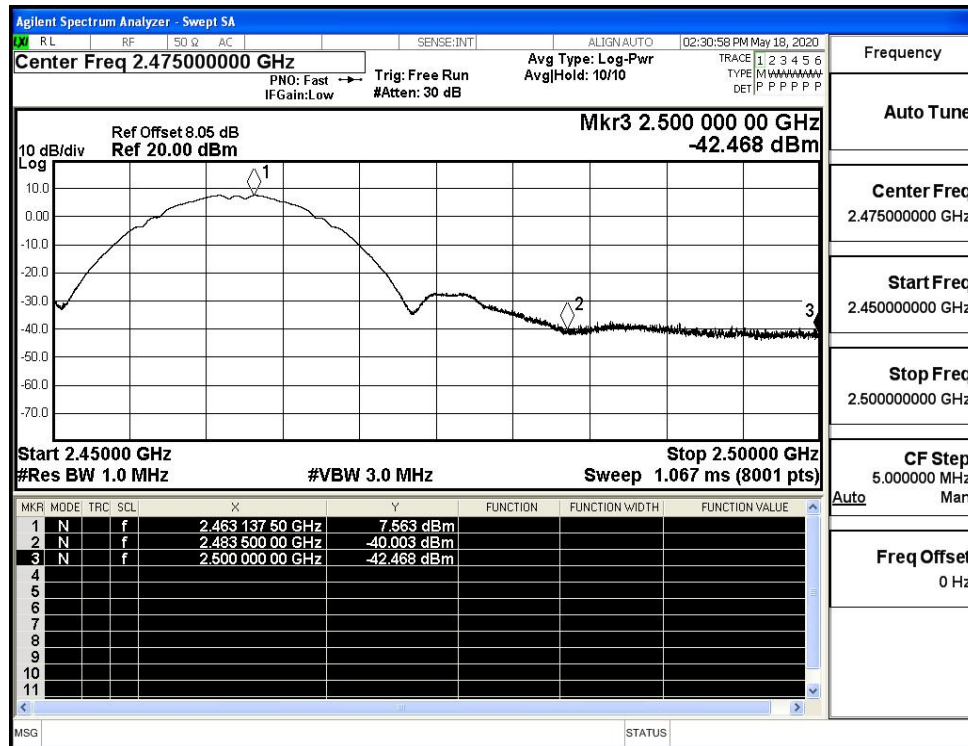
Restrict-band band-edge measurements_11B_2412_Ant1_PEAK



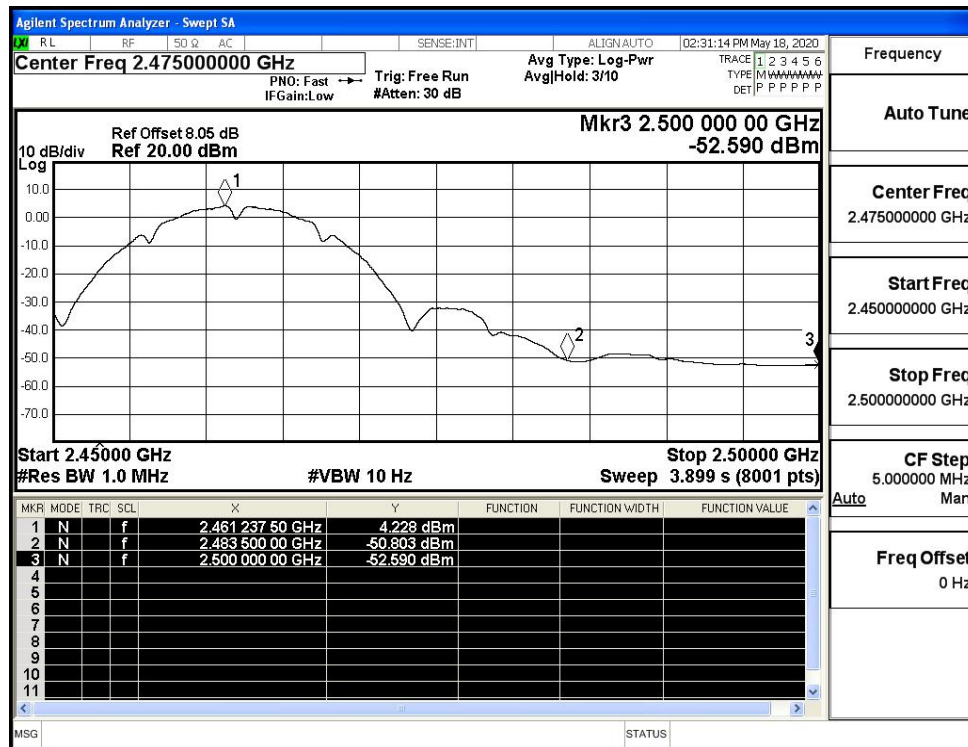
Restrict-band band-edge measurements_11B_2412_Ant1_AV



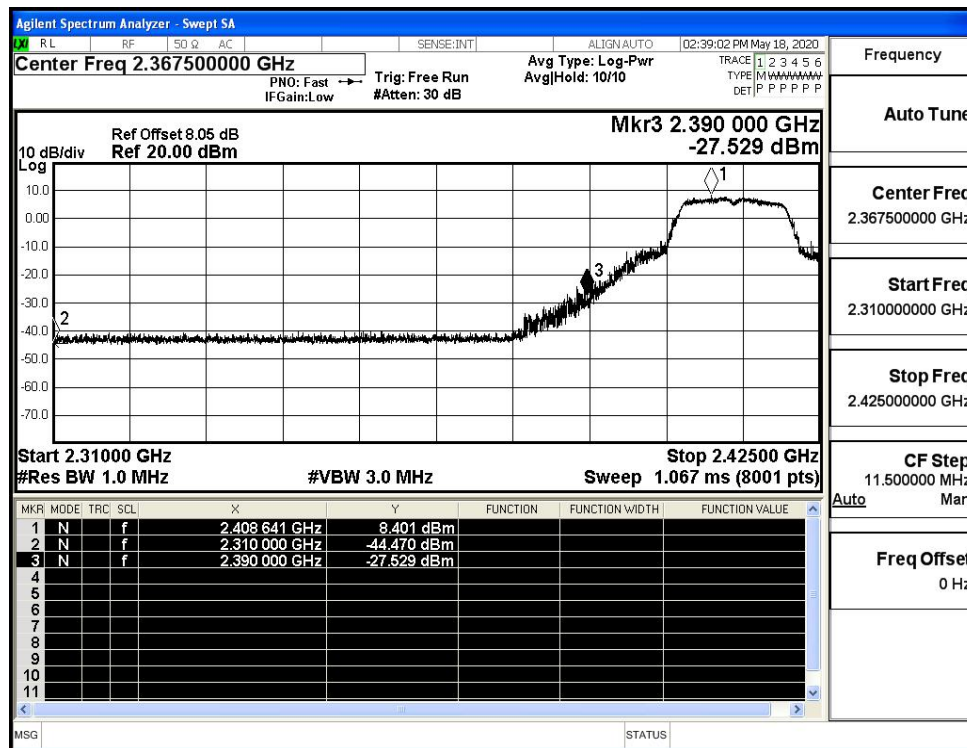
Restrict-band band-edge measurements_11B_2462_Ant1_PEAK



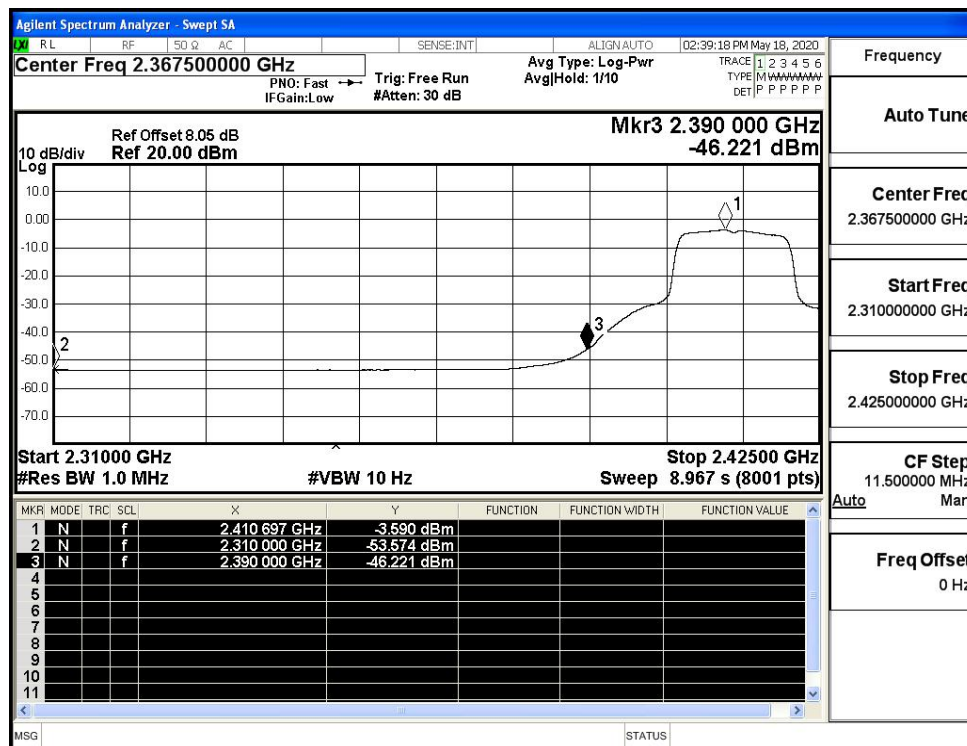
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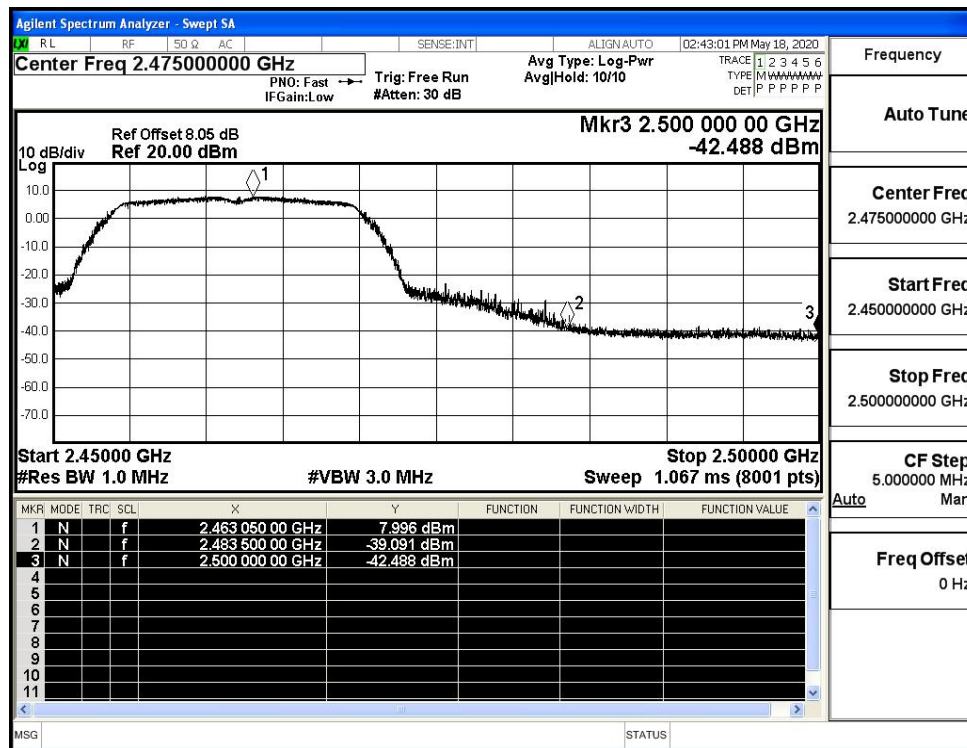
Restrict-band band-edge measurements_11G_2412_Ant1_PEAK



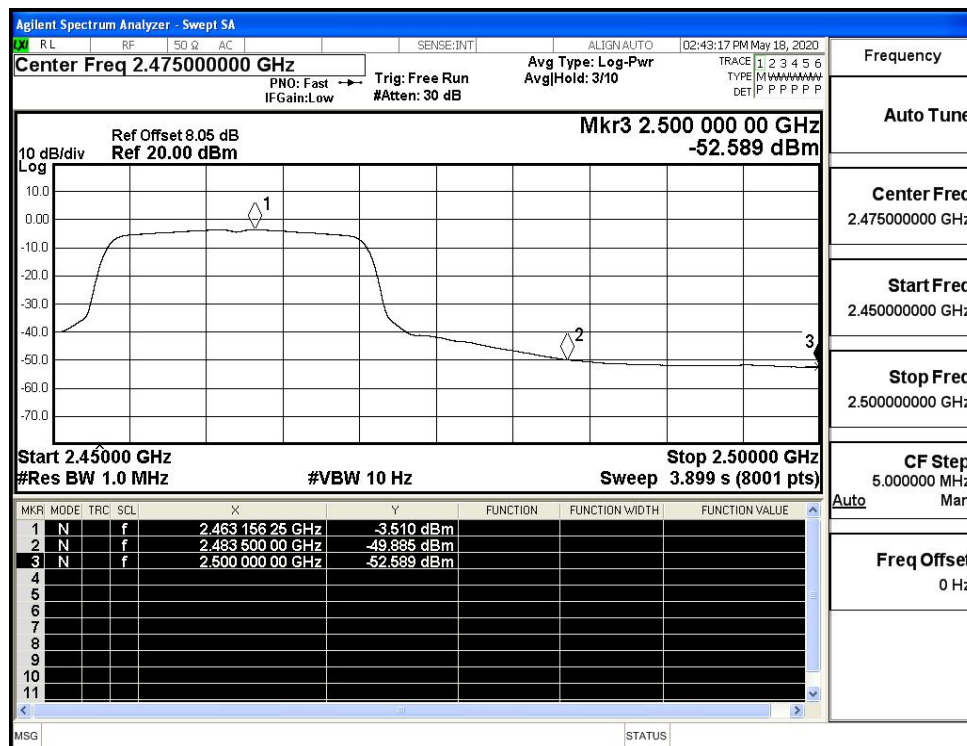
Restrict-band band-edge measurements_11G_2412_Ant1_AV



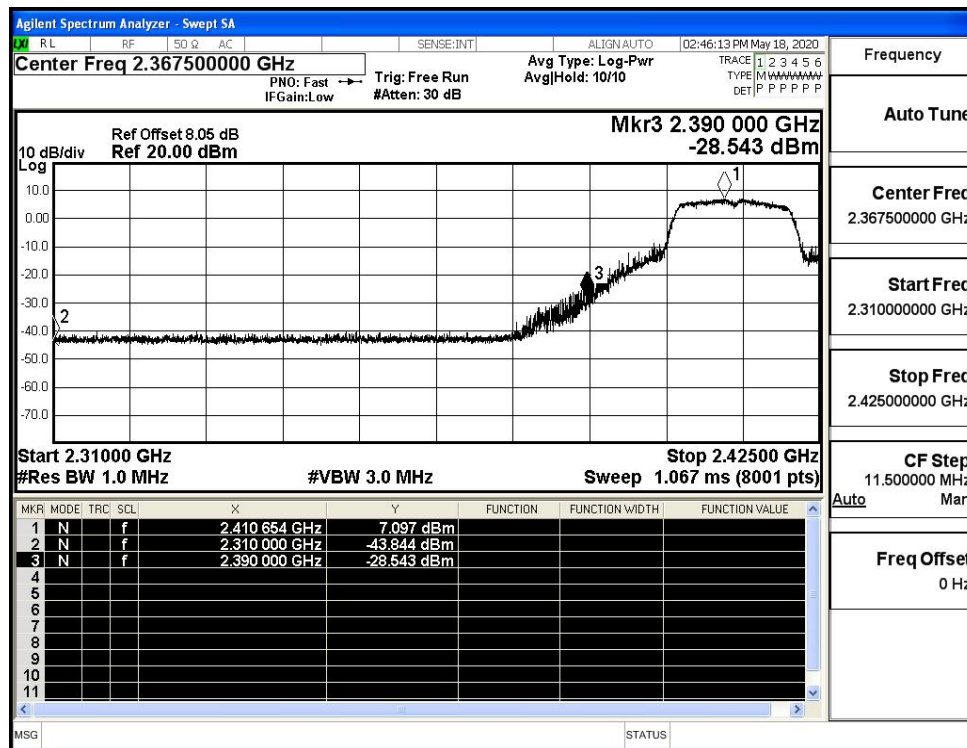
Restrict-band band-edge measurements_11G_2462_Ant1_PEAK



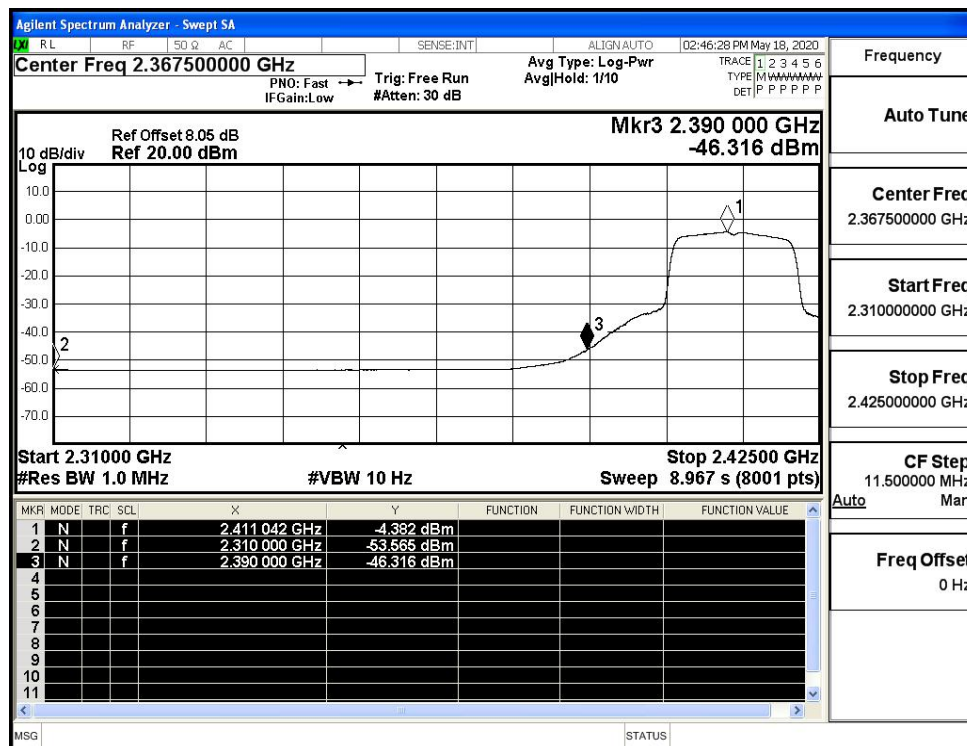
Restrict-band band-edge measurements_11G_2462_Ant1_AV



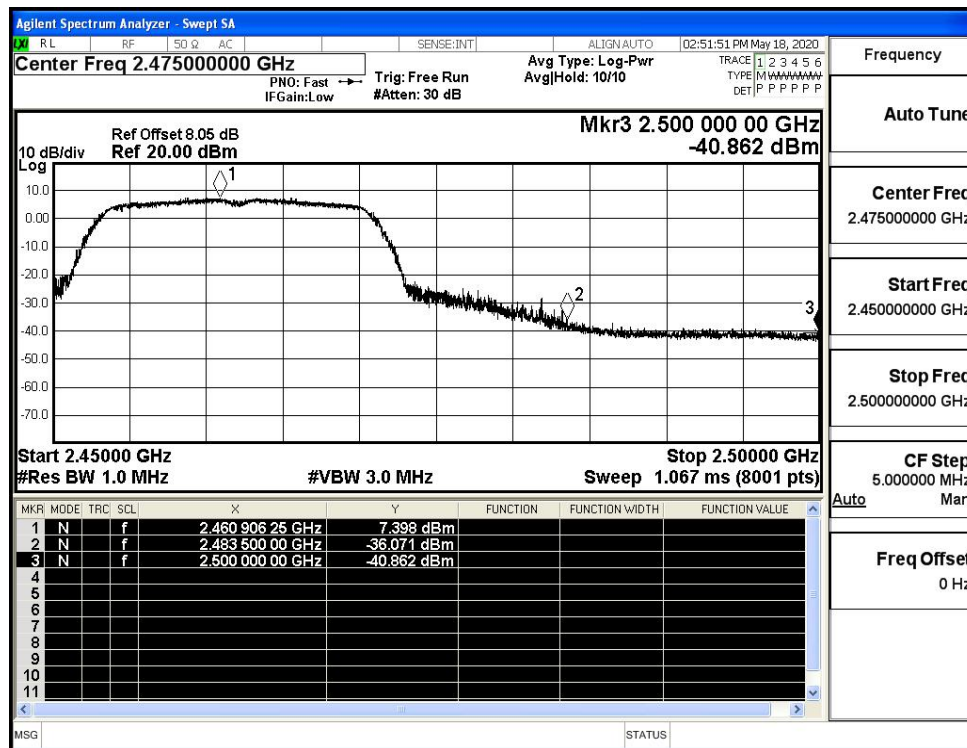
Restrict-band band-edge measurements_11N20SISO_2412_Ant1_PEAK



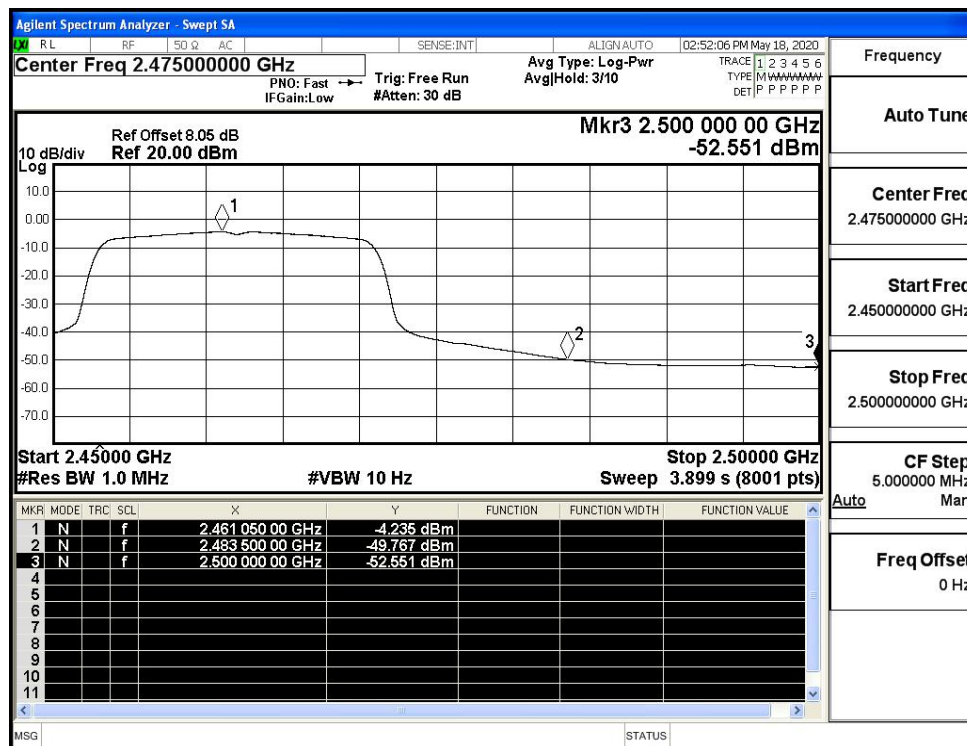
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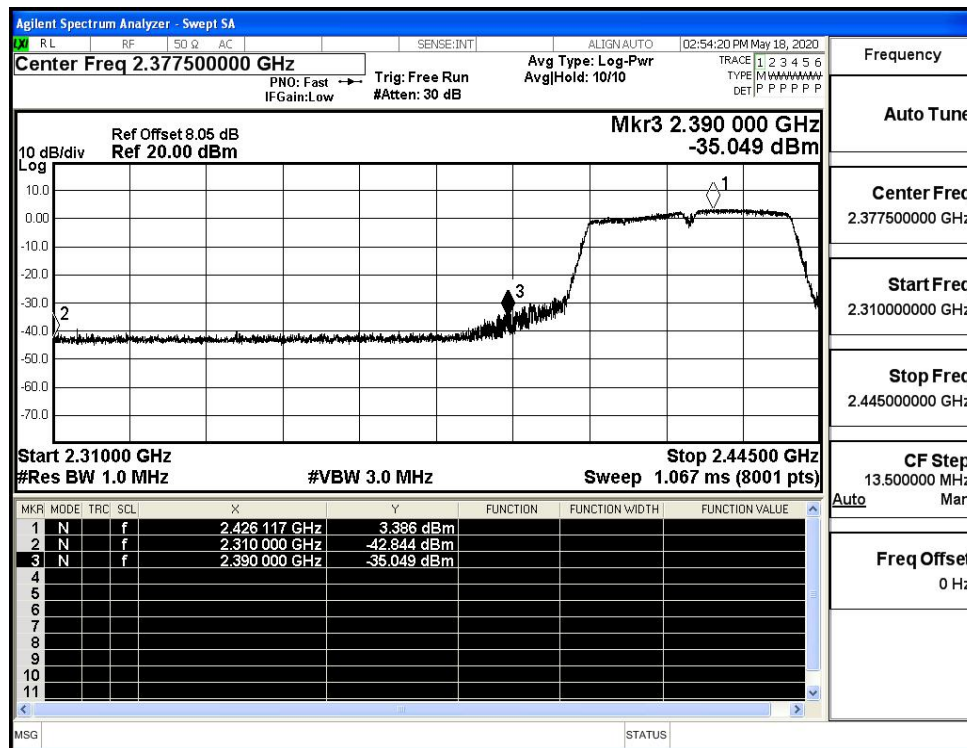
Restrict-band band-edge measurements_11N20SISO_2462_Ant1_PEAK



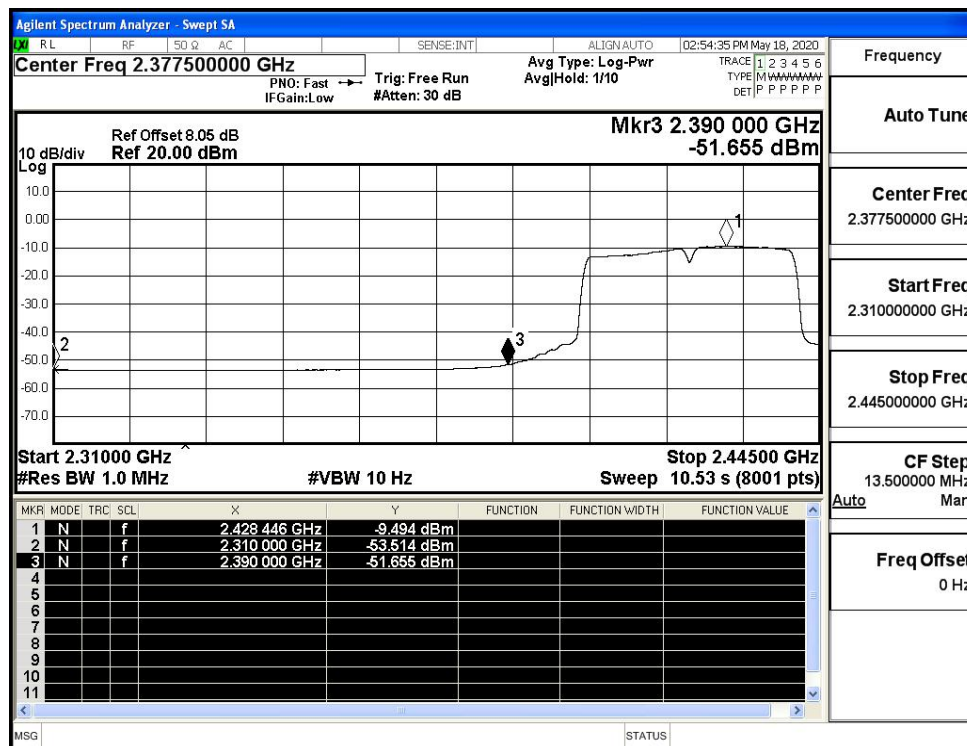
Restrict-band band-edge measurements_11N20SISO_2462_Ant1_AV



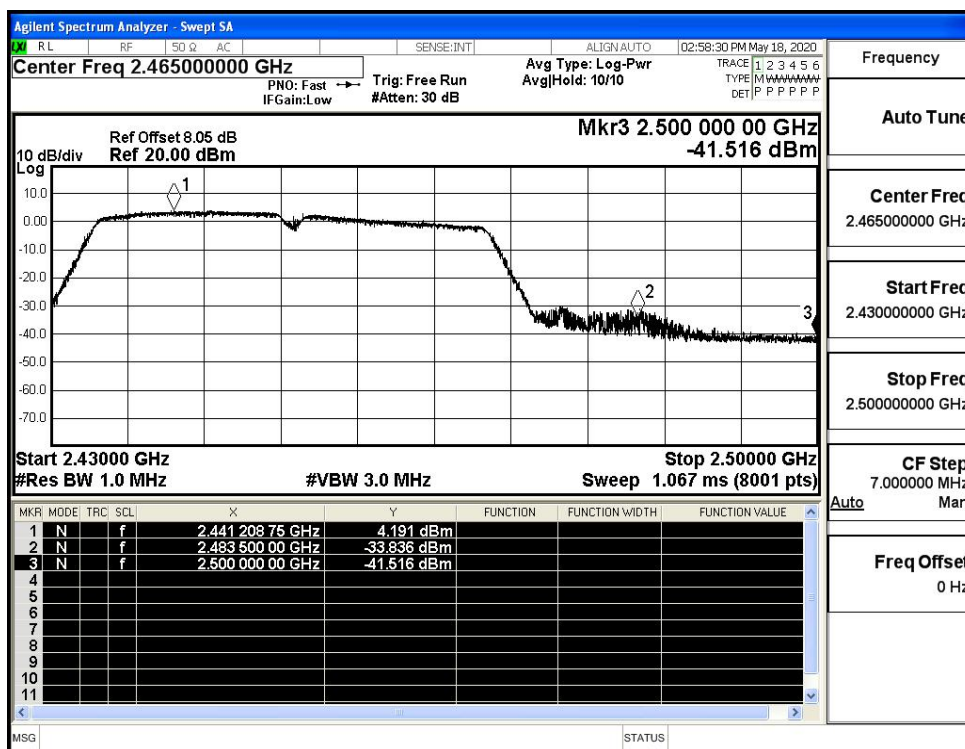
Restrict-band band-edge measurements_11N40SISO_2422_Ant1_PEAK



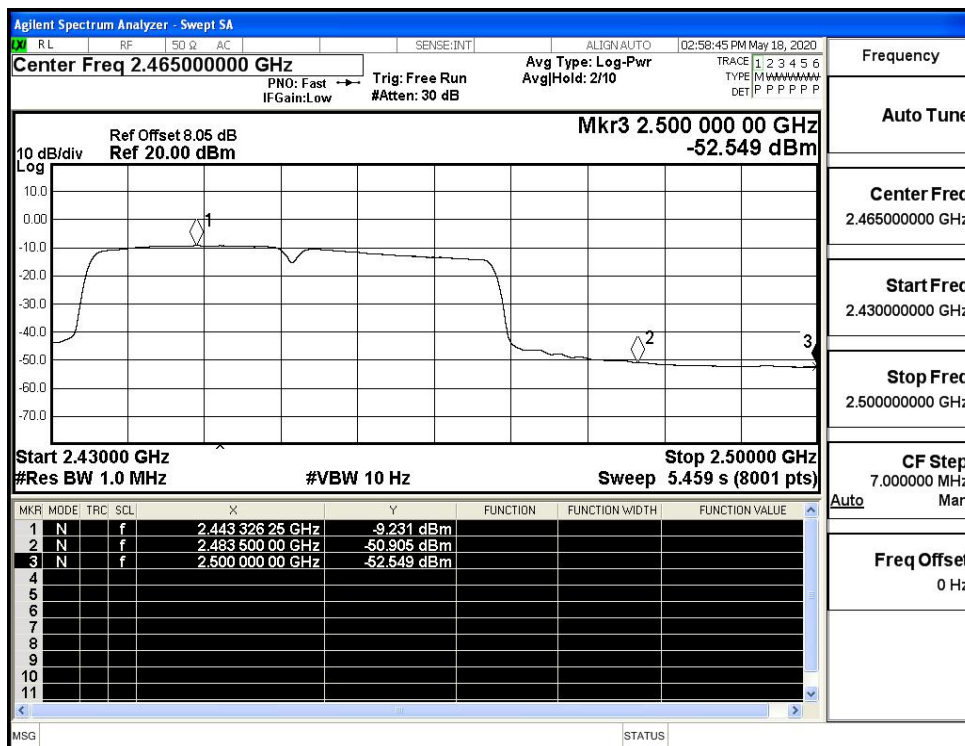
Restrict-band band-edge measurements_11N40SISO_2422_Ant1_AV



Restrict-band band-edge measurements_11N40SISO_2452_Ant1_PEAK



Restrict-band band-edge measurements_11N40SISO_2452_Ant1_AV



ANT 1

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
11B	2412	Ant1	2310.0	-43.32	2.0	0	51.94	PEAK	74	PASS
	2412	Ant1	2310.0	-53.55	2.0	0	41.71	AV	54	PASS
	2412	Ant1	2390.0	-41.56	2.0	0	53.70	PEAK	74	PASS
	2412	Ant1	2390.0	-52.87	2.0	0	42.39	AV	54	PASS
	2462	Ant1	2483.5	-40.74	2.0	0	54.52	PEAK	74	PASS
	2462	Ant1	2483.5	-52.48	2.0	0	42.78	AV	54	PASS
	2462	Ant1	2500.0	-42.05	2.0	0	53.20	PEAK	74	PASS
	2462	Ant1	2500.0	-52.47	2.0	0	42.79	AV	54	PASS
11G	2412	Ant1	2310.0	-43.33	2.0	0	51.92	PEAK	74	PASS
	2412	Ant1	2310.0	-53.56	2.0	0	41.70	AV	54	PASS
	2412	Ant1	2390.0	-43.93	2.0	0	51.33	PEAK	74	PASS
	2412	Ant1	2390.0	-53.03	2.0	0	42.22	AV	54	PASS
	2462	Ant1	2483.5	-41.39	2.0	0	53.87	PEAK	74	PASS
	2462	Ant1	2483.5	-52.53	2.0	0	42.73	AV	54	PASS
	2462	Ant1	2500.0	-41.83	2.0	0	53.43	PEAK	74	PASS
	2462	Ant1	2500.0	-52.49	2.0	0	42.77	AV	54	PASS
11N20 SISO	2412	Ant1	2310.0	-43.38	2.0	0	51.88	PEAK	74	PASS
	2412	Ant1	2310.0	-53.57	2.0	0	41.68	AV	54	PASS
	2412	Ant1	2390.0	-43.53	2.0	0	51.73	PEAK	74	PASS
	2412	Ant1	2390.0	-53.01	2.0	0	42.25	AV	54	PASS
	2462	Ant1	2483.5	-42.03	2.0	0	53.23	PEAK	74	PASS
	2462	Ant1	2483.5	-52.57	2.0	0	42.69	AV	54	PASS
	2462	Ant1	2500.0	-41.92	2.0	0	53.33	PEAK	74	PASS
	2462	Ant1	2500.0	-52.54	2.0	0	42.71	AV	54	PASS
11N40 SISO	2422	Ant1	2310.0	-43.17	2.0	0	52.09	PEAK	74	PASS
	2422	Ant1	2310.0	-53.61	2.0	0	41.65	AV	54	PASS
	2422	Ant1	2390.0	-42.29	2.0	0	52.97	PEAK	74	PASS

	2422	Ant1	2390.0	-52.99	2.0	0	42.26	AV	54	PASS
	2452	Ant1	2483.5	-41.18	2.0	0	54.08	PEAK	74	PASS
	2452	Ant1	2483.5	-52.59	2.0	0	42.67	AV	54	PASS
	2452	Ant1	2500.0	-42.21	2.0	0	53.04	PEAK	74	PASS
	2452	Ant1	2500.0	-52.52	2.0	0	42.73	AV	54	PASS