

Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: VIM3

Trade Mark: Khadas

Test Model: VIM3 Pro

Environmental Conditions

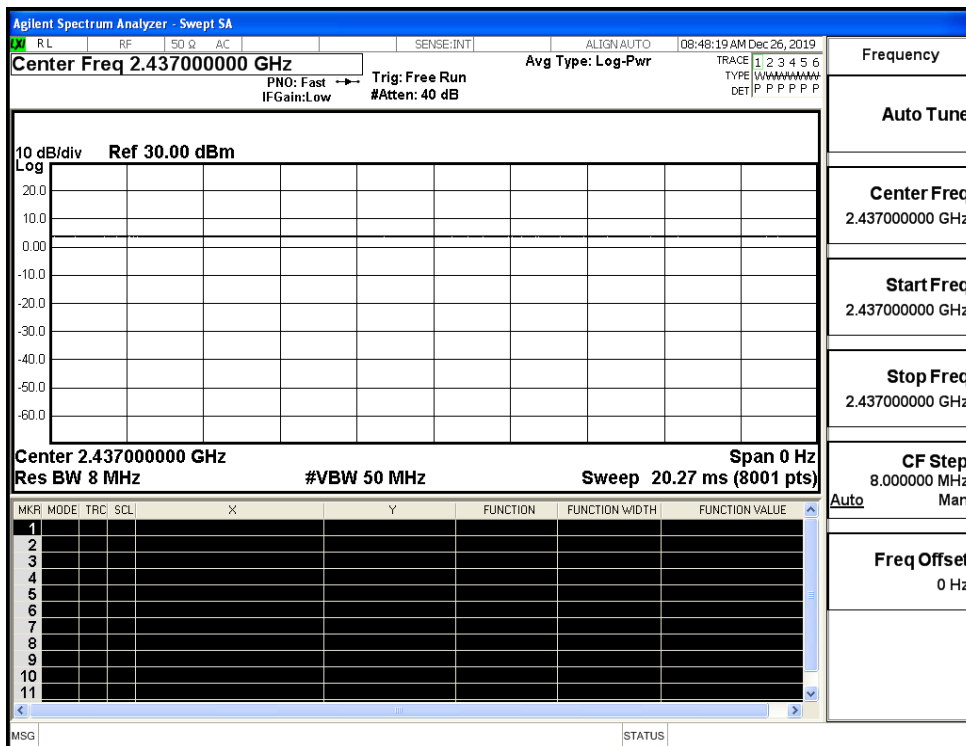
Temperature:	23.9 °C
Relative Humidity:	54.6%
ATM Pressure:	100.0 kPa
Test Engineer:	Qu Xin
Supervised by:	Wang Chuang

C.1 Duty Cycle

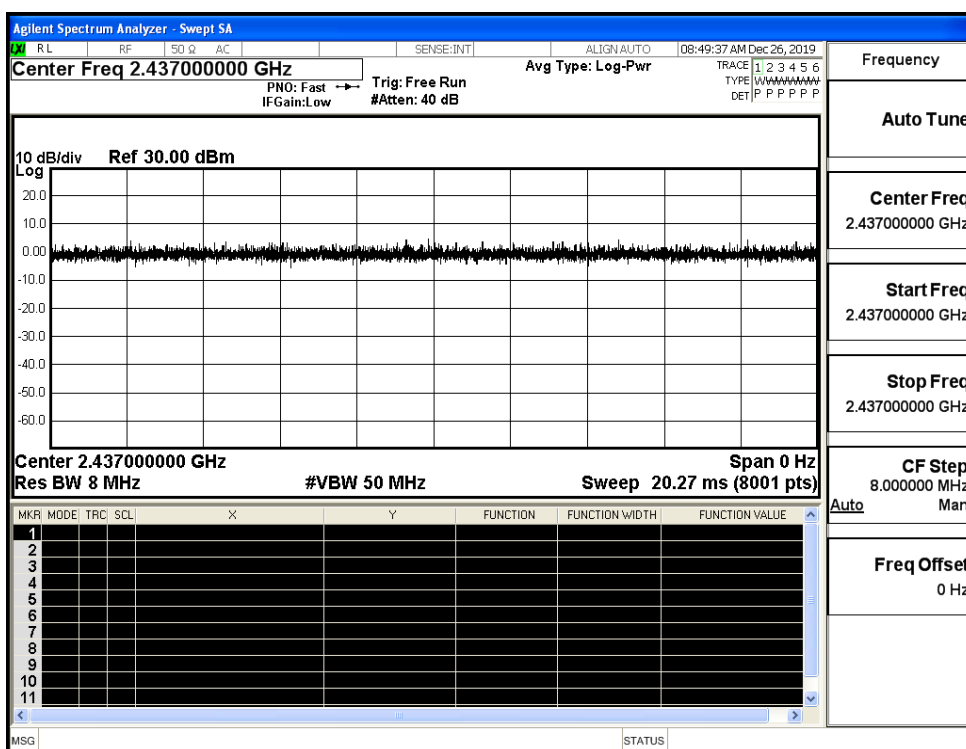
Ant0

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
11B	2437	Ant1	100	PASS
11G	2437	Ant1	100	PASS
11N20SISO	2437	Ant1	100	PASS

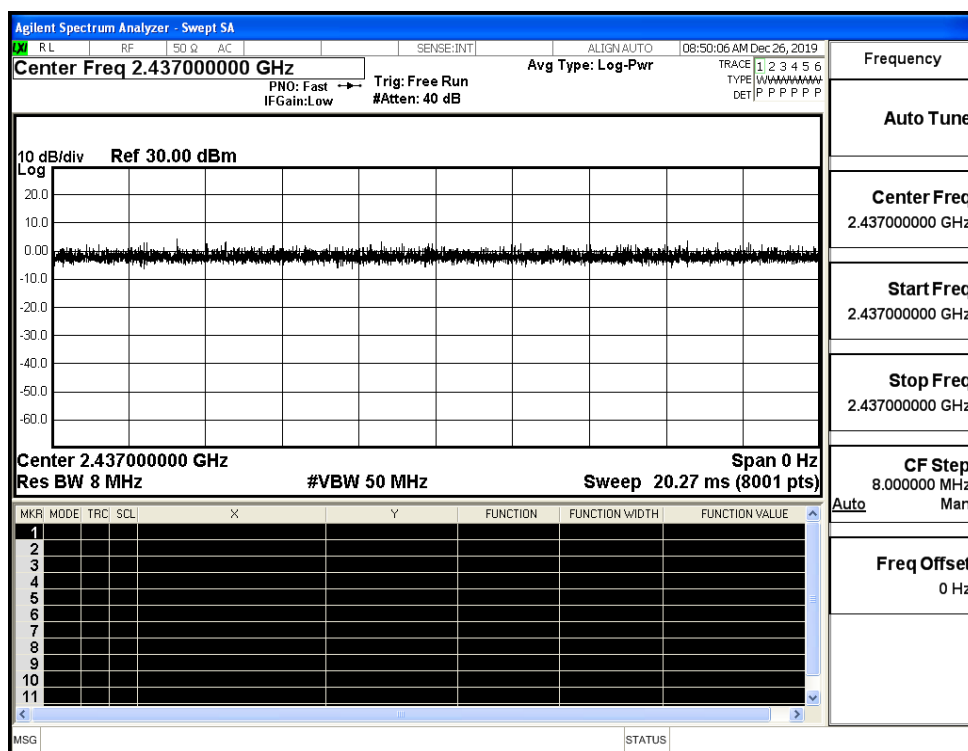
Duty Cycle_11B_2437_Ant0



Duty Cycle_11G_2437_Ant0



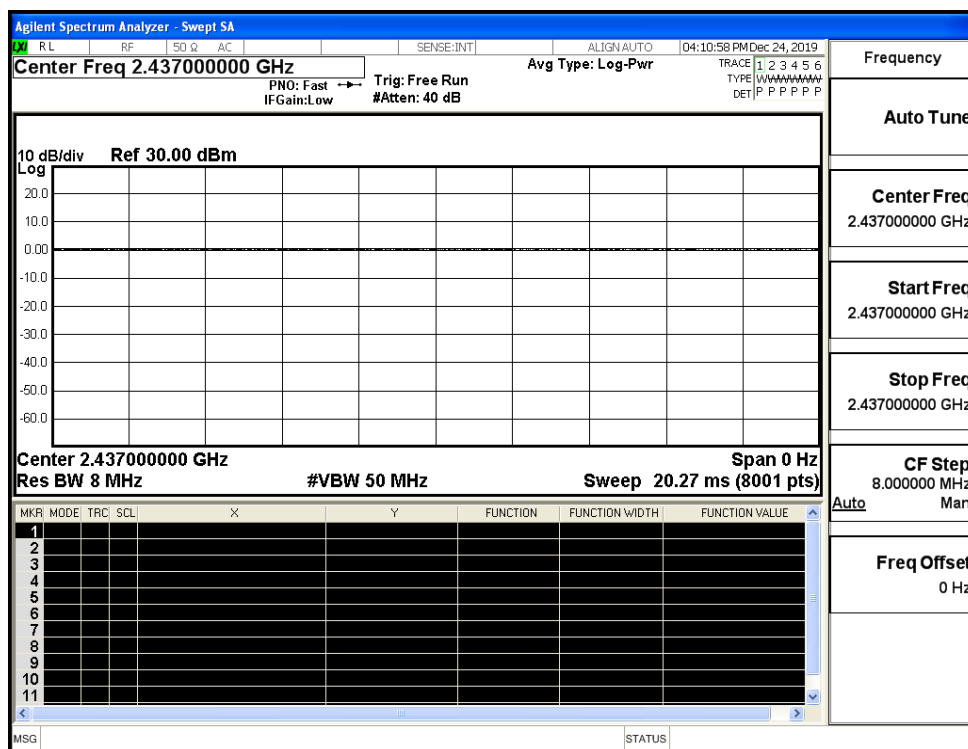
Duty Cycle_11N20SISO_2437_Ant0



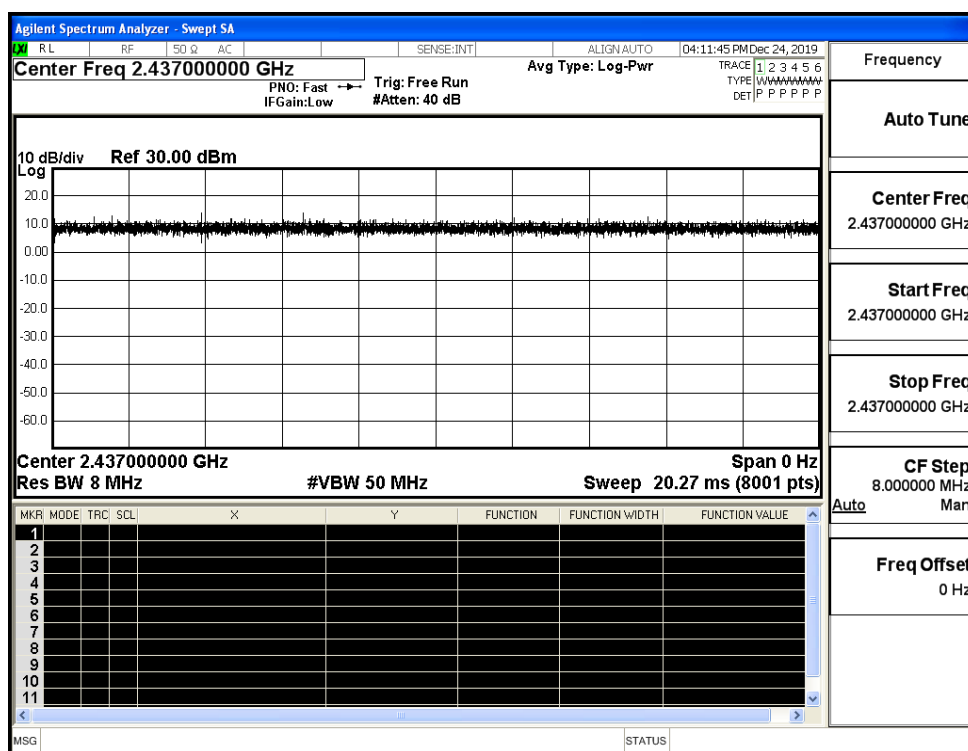
Ant1

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
11B	2437	Ant1	100	PASS
11G	2437	Ant1	100	PASS
11N20SISO	2437	Ant1	100	PASS

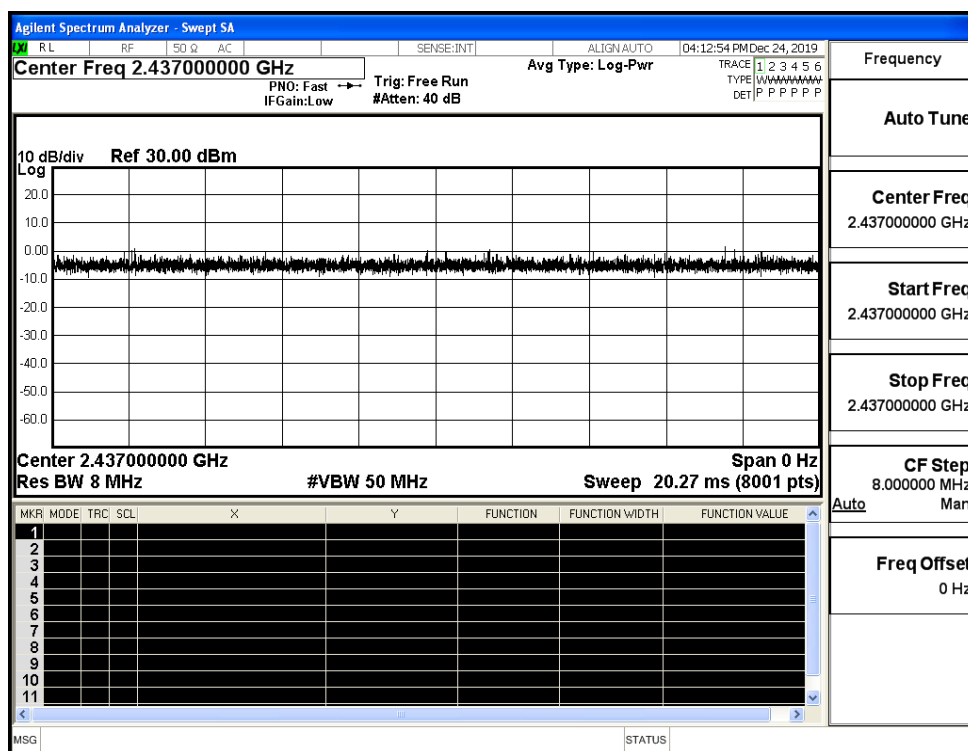
Duty Cycle_11B_2437_Ant1



Duty Cycle_11G_2437_Ant1



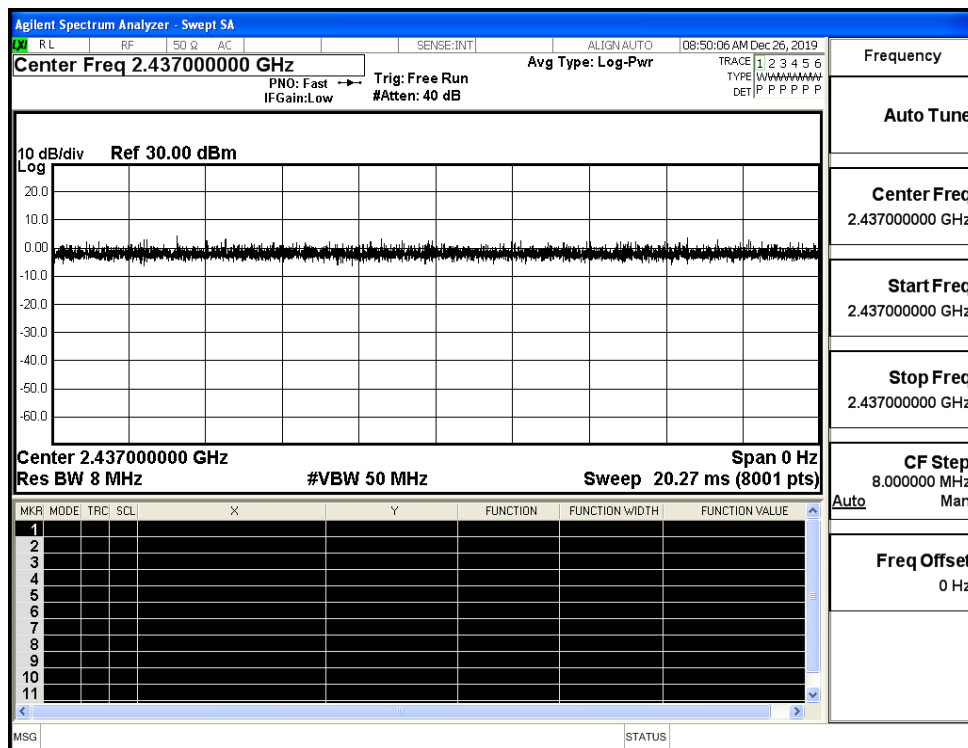
Duty Cycle_11N20SISO_2437_Ant1



Ant0+1

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
11N20SISO	2437	Ant0+1	100	PASS

Duty Cycle_11N20SISO_2437_Ant0+1

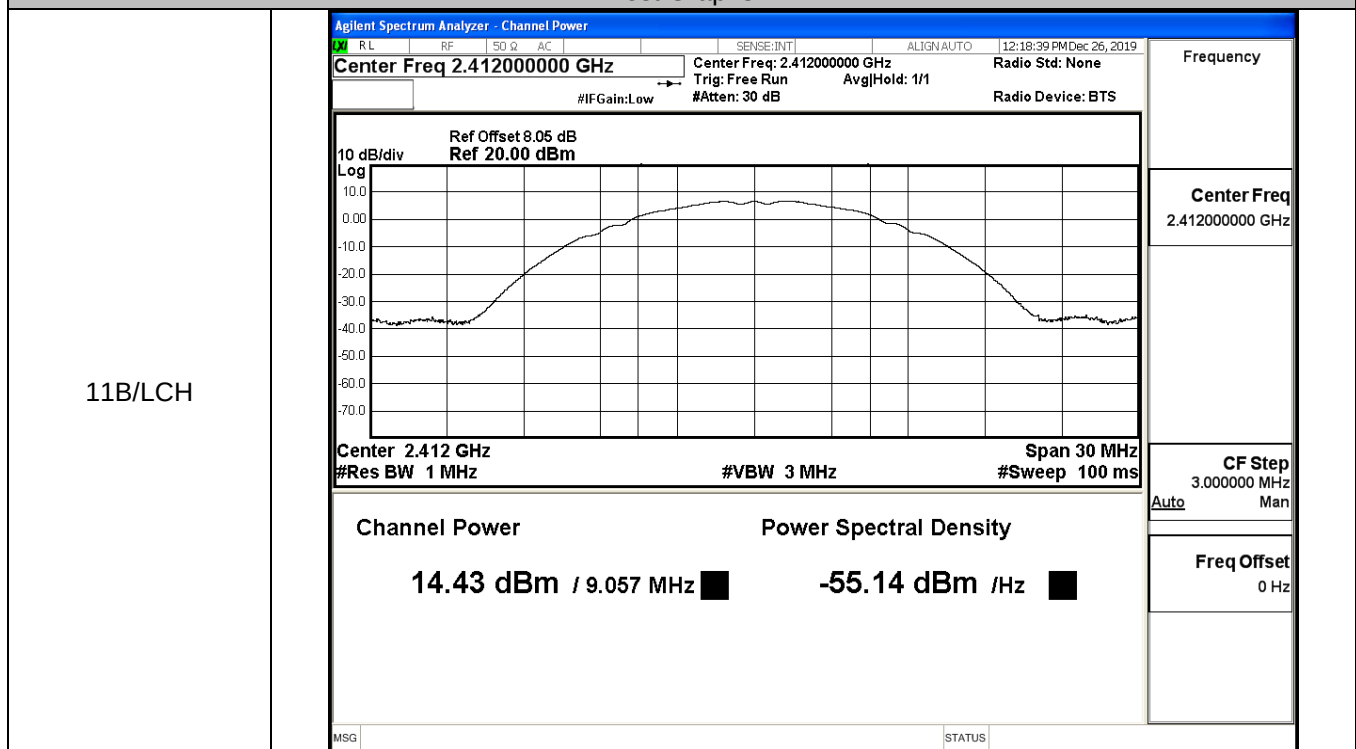


C.2 Maximum Conducted Output Power

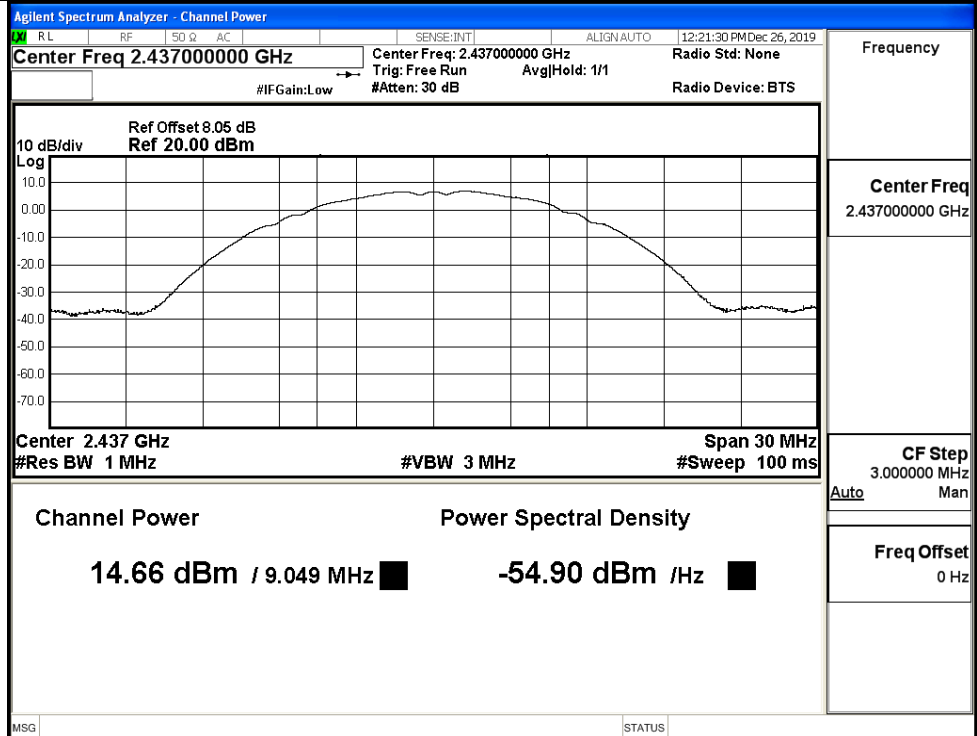
Ant0

Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
11B	LCH	14.43	30	PASS
	MCH	14.66	30	PASS
	HCH	14.55	30	PASS
11G	LCH	13.53	30	PASS
	MCH	13.73	30	PASS
	HCH	13.95	30	PASS
11N20SISO	LCH	12.35	30	PASS
	MCH	12.62	30	PASS
	HCH	12.93	30	PASS

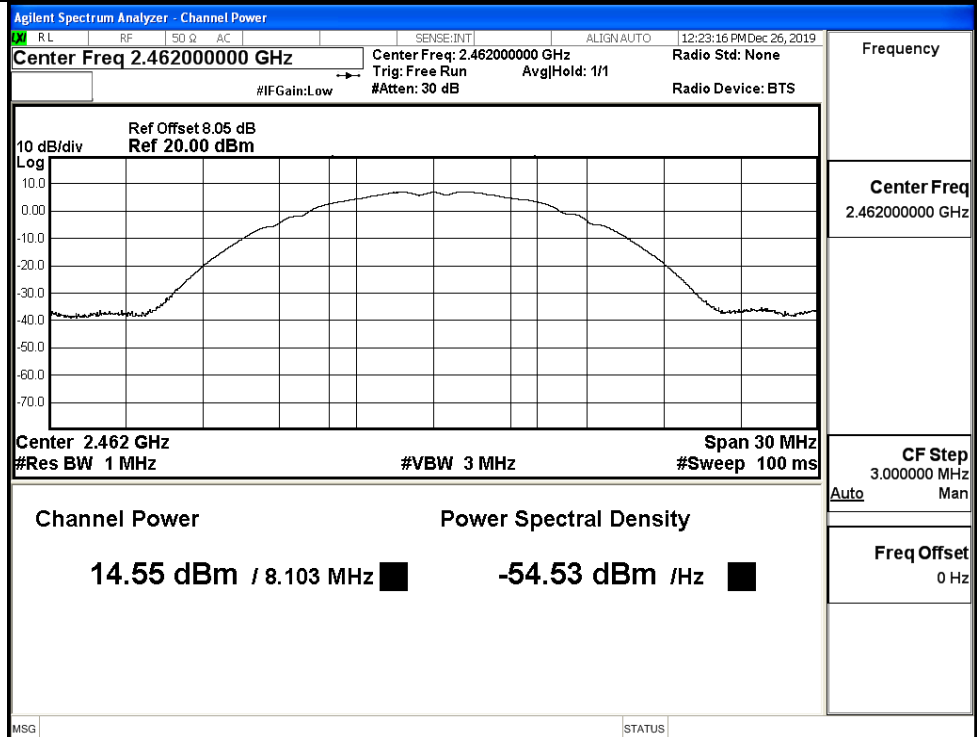
Test Graphs



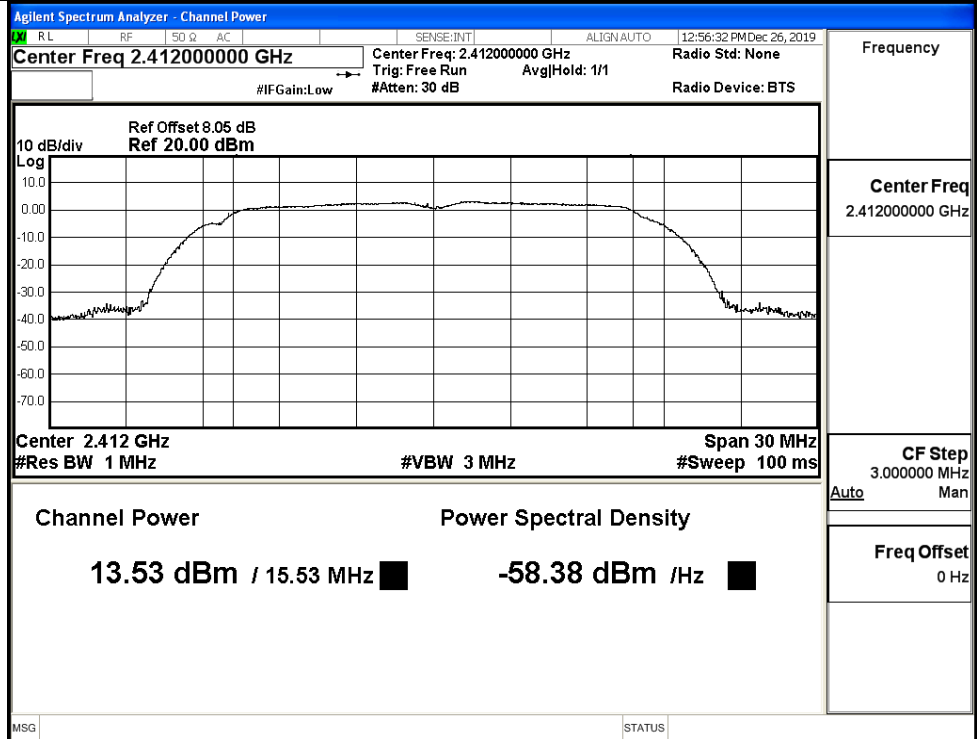
11B/MCH



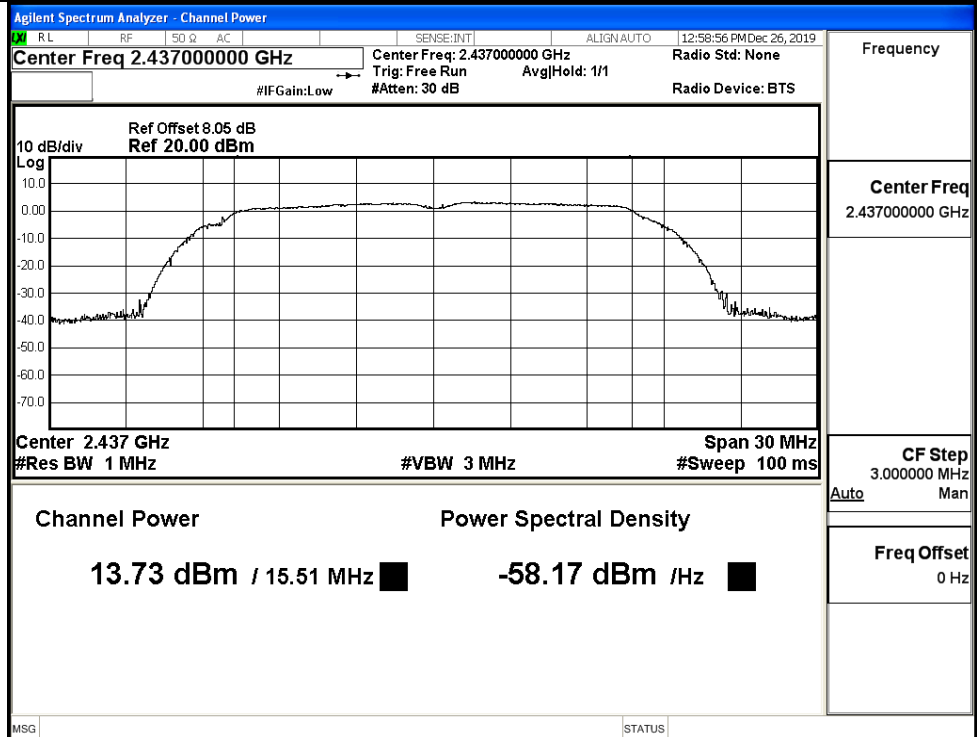
11B/HCH



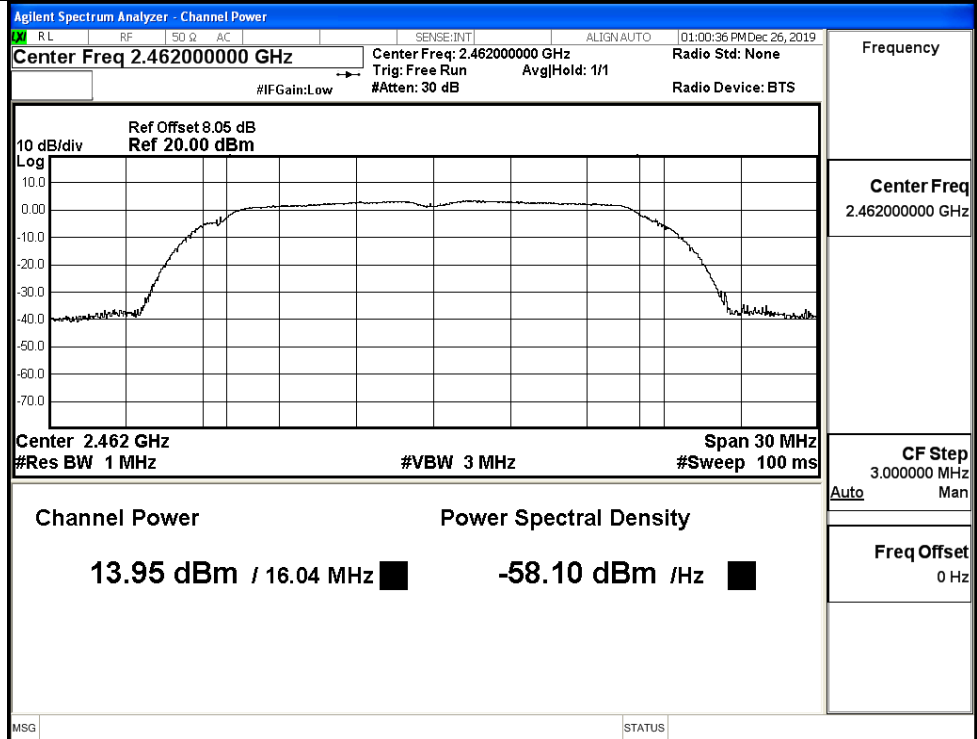
11G/LCH



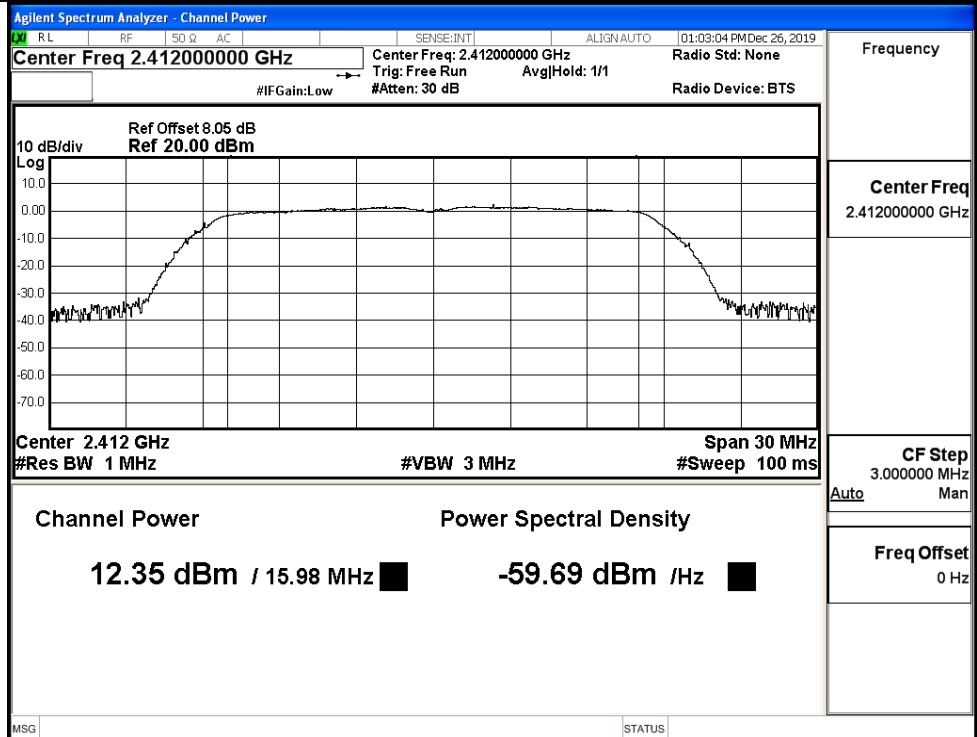
11G/MCH



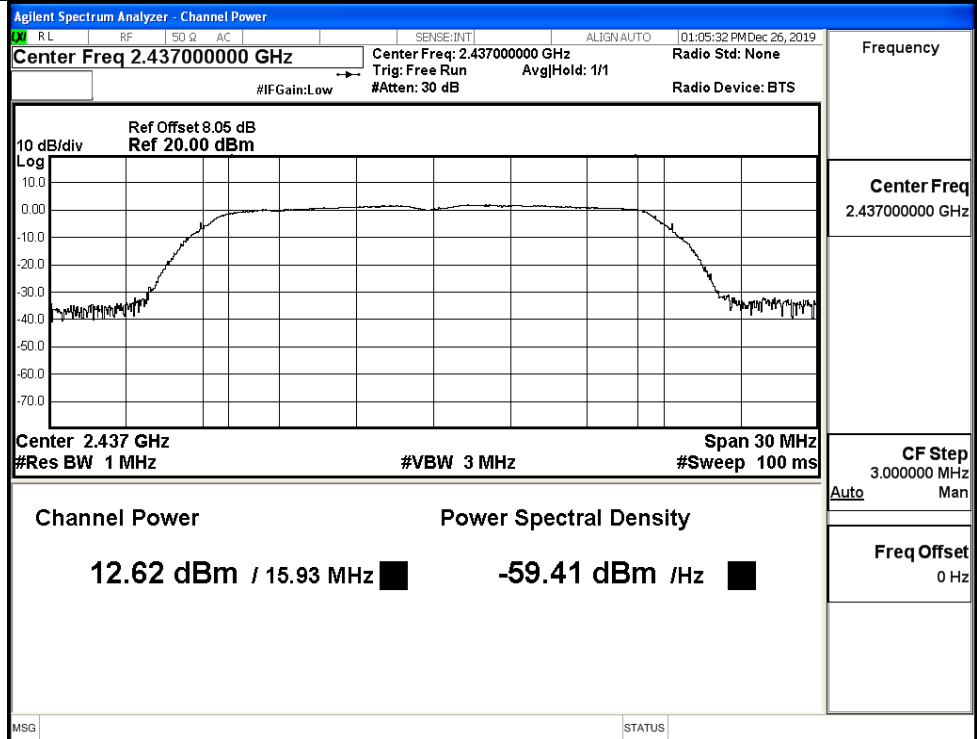
11G/HCH



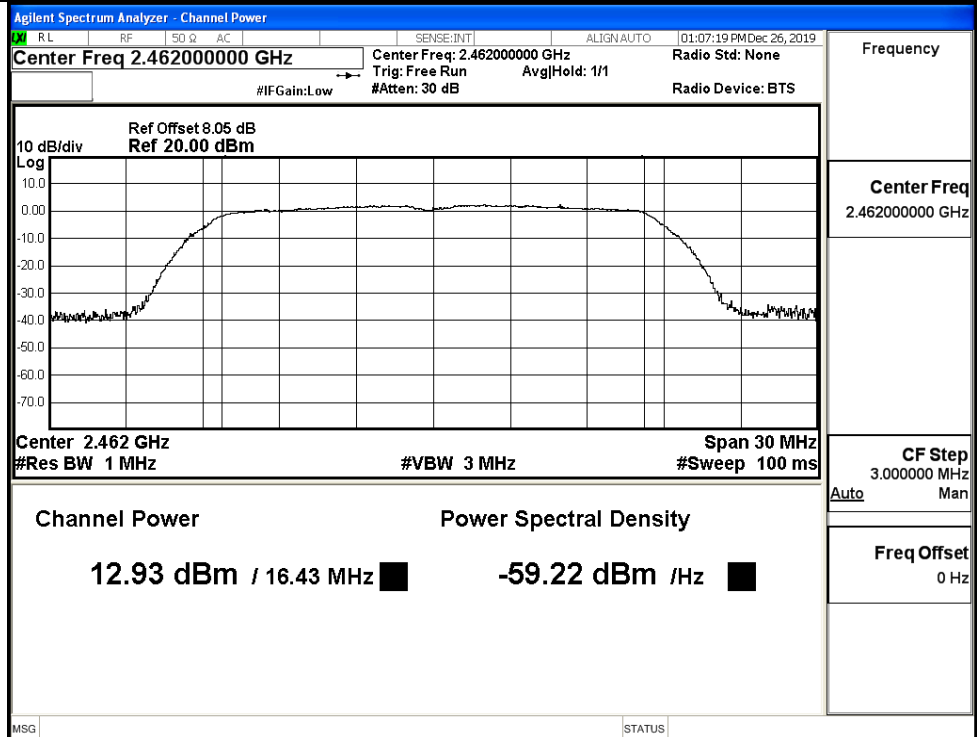
11N20SISO/LCH



11N20SISO/MCH



11N20SISO/HCH

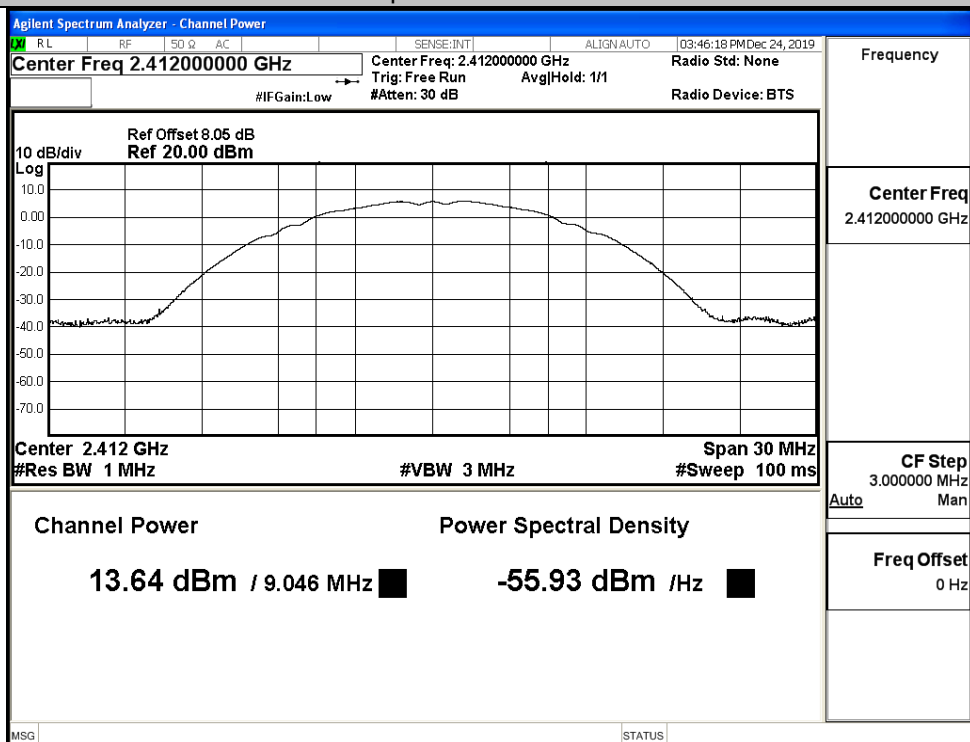


Ant1

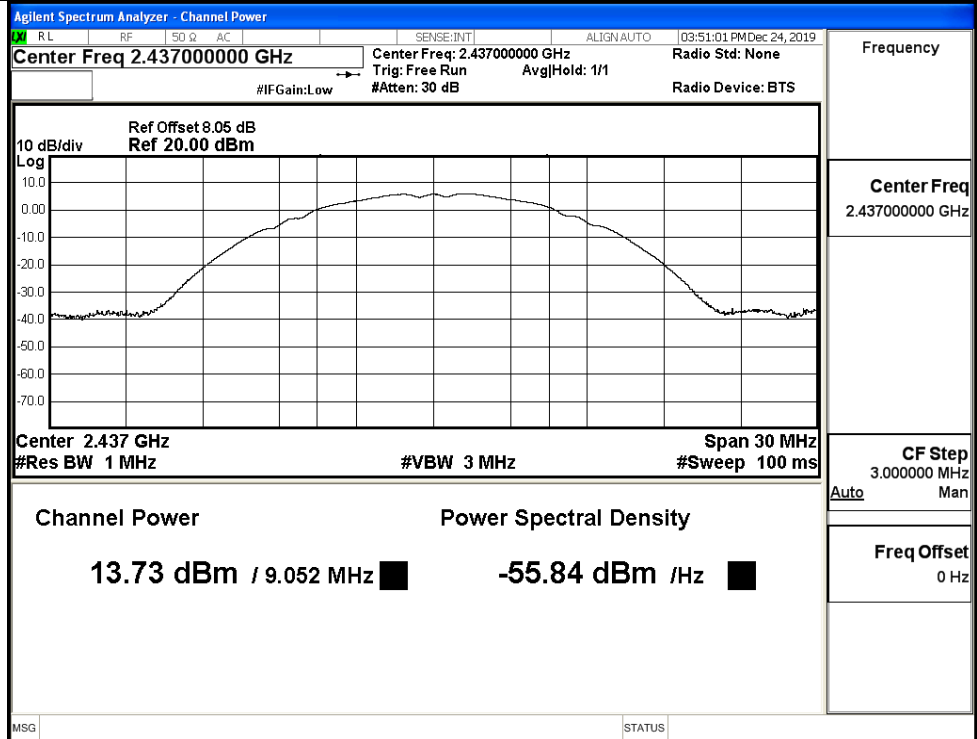
Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
11B	LCH	13.64	30	PASS
	MCH	13.73	30	PASS
	HCH	13.07	30	PASS
11G	LCH	12.75	30	PASS
	MCH	11.82	30	PASS
	HCH	12.09	30	PASS
11N20SISO	LCH	10.69	30	PASS
	MCH	10.03	30	PASS
	HCH	10.45	30	PASS

Test Graphs

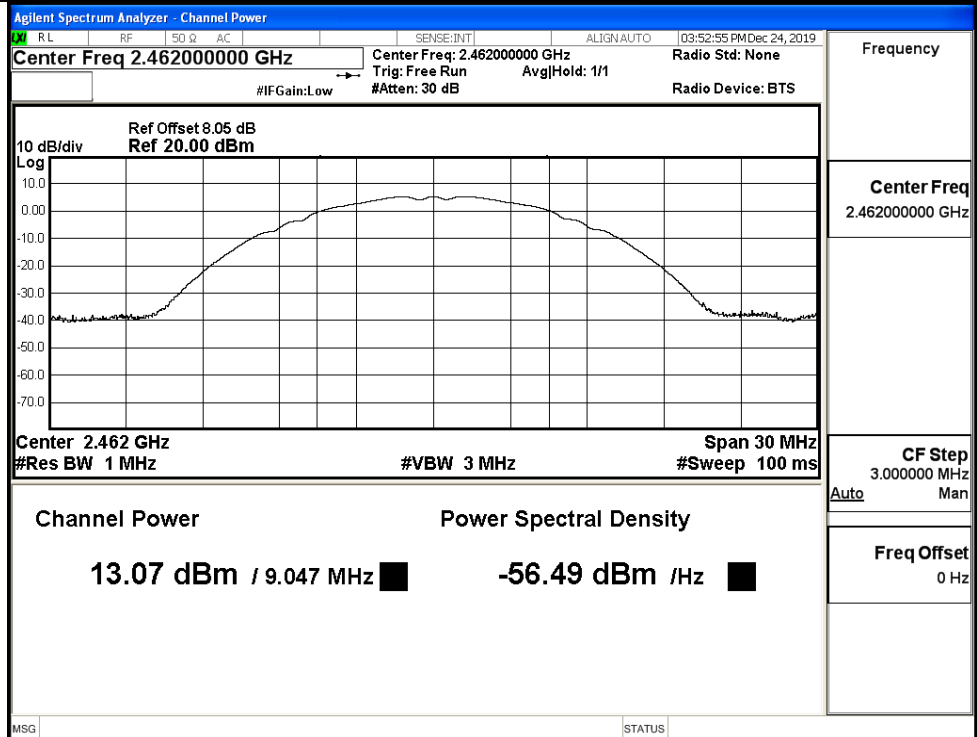
11B/LCH



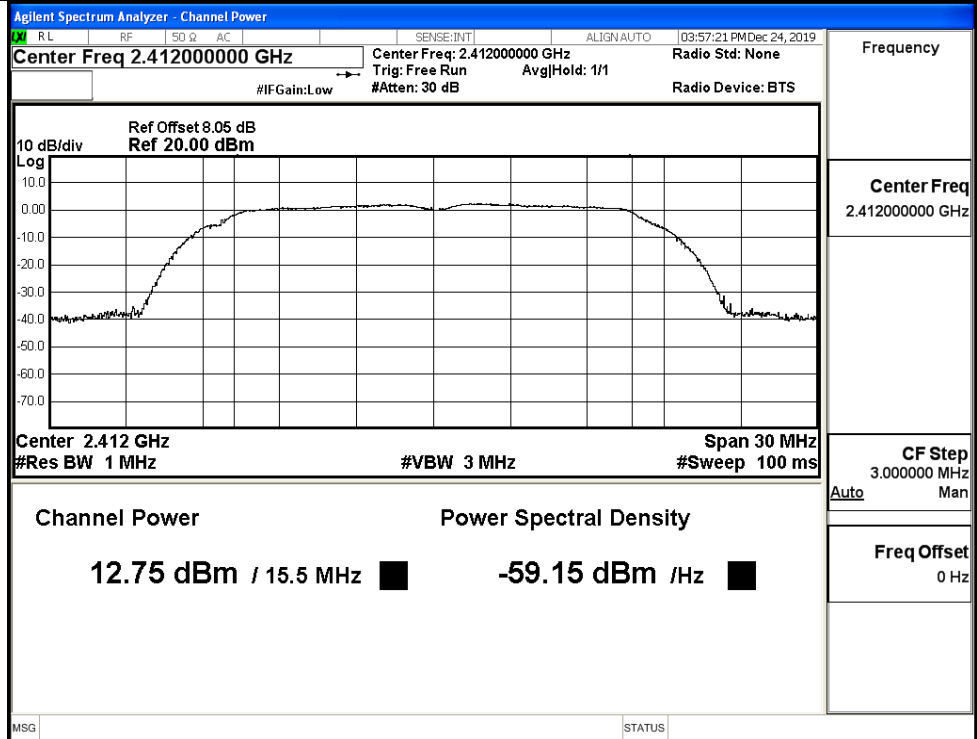
11B/MCH



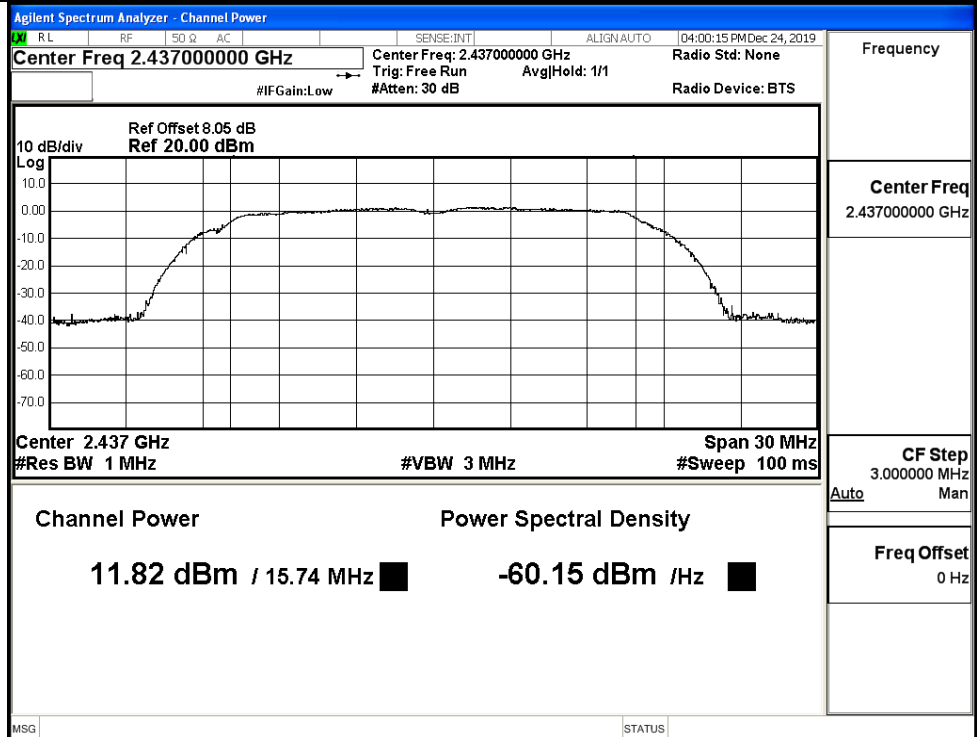
11B/HCH



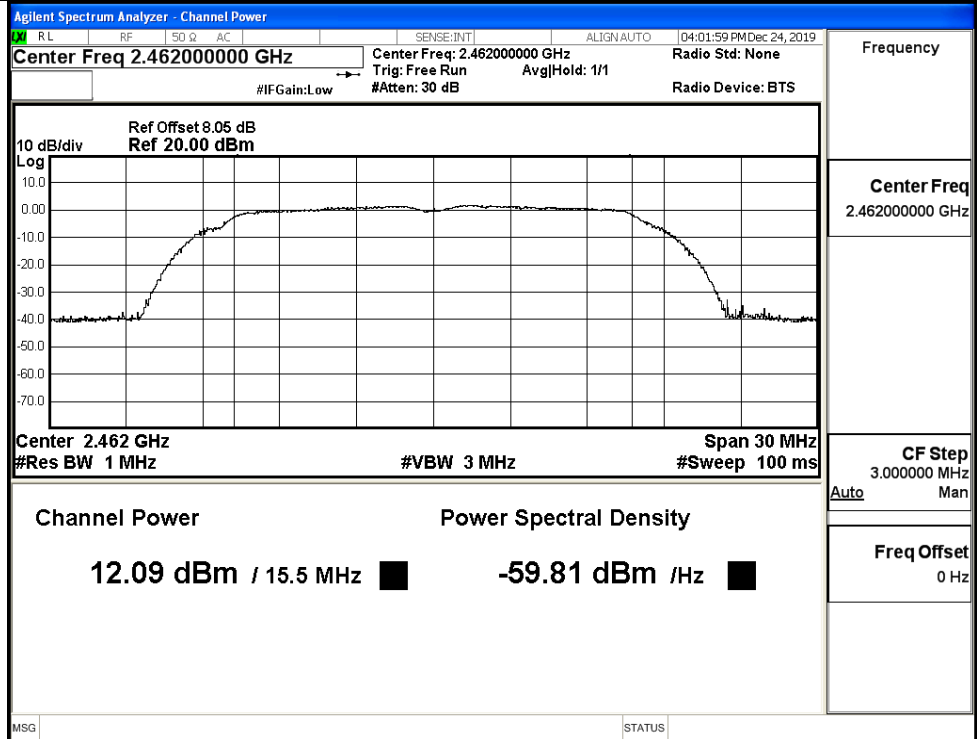
11G/LCH



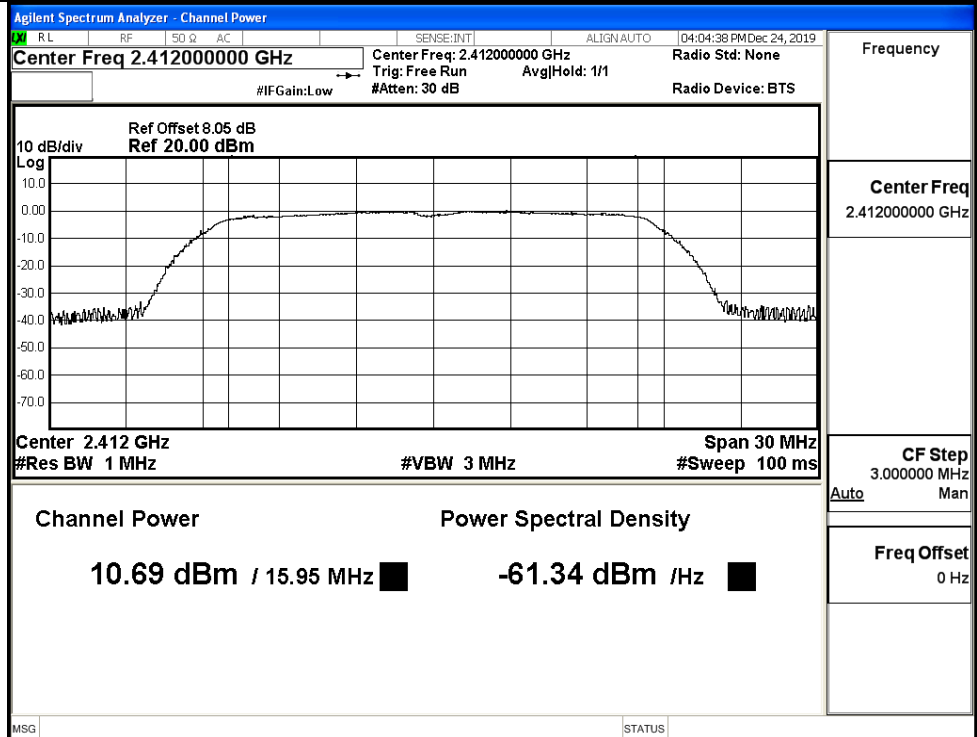
11G/MCH



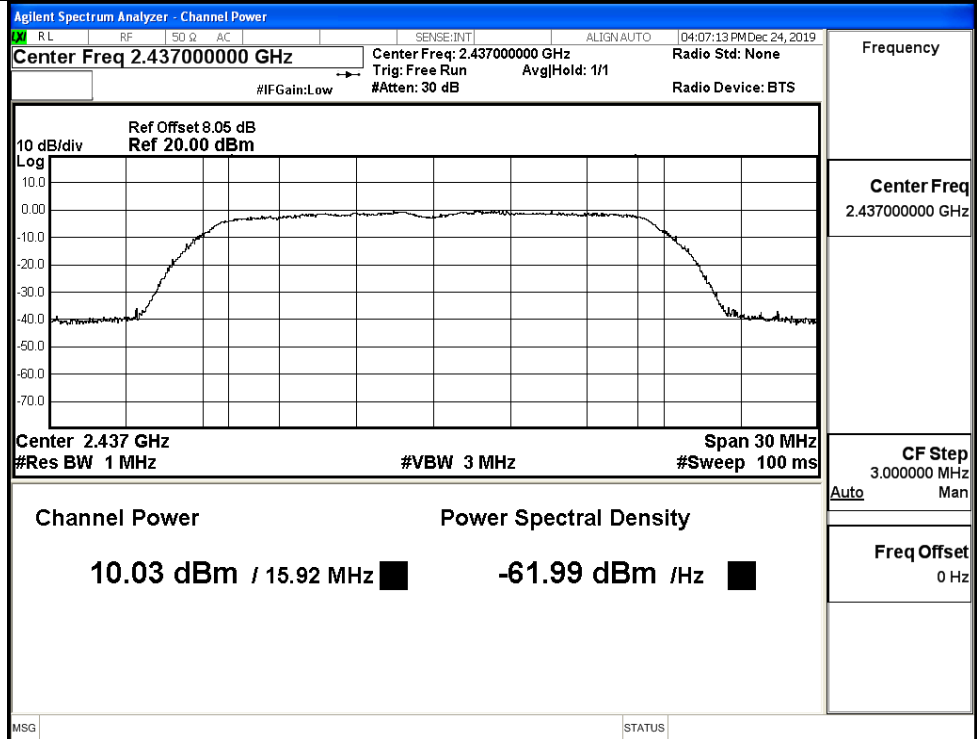
11G/HCH



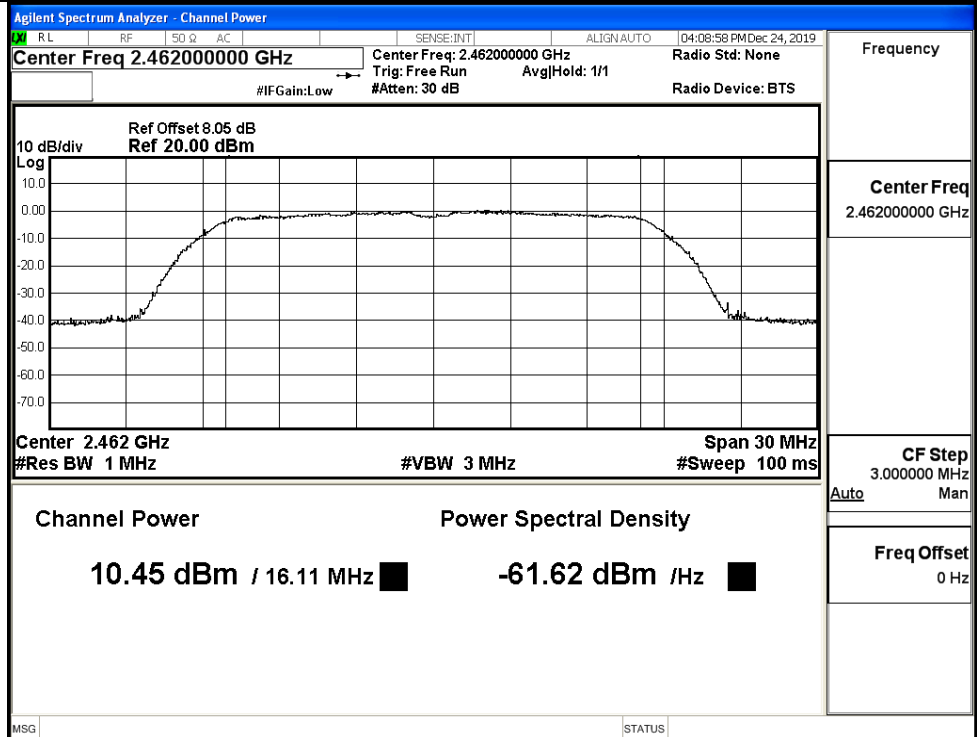
11N20SISO/LCH



11N20SISO/MCH



11N20SISO/HCH

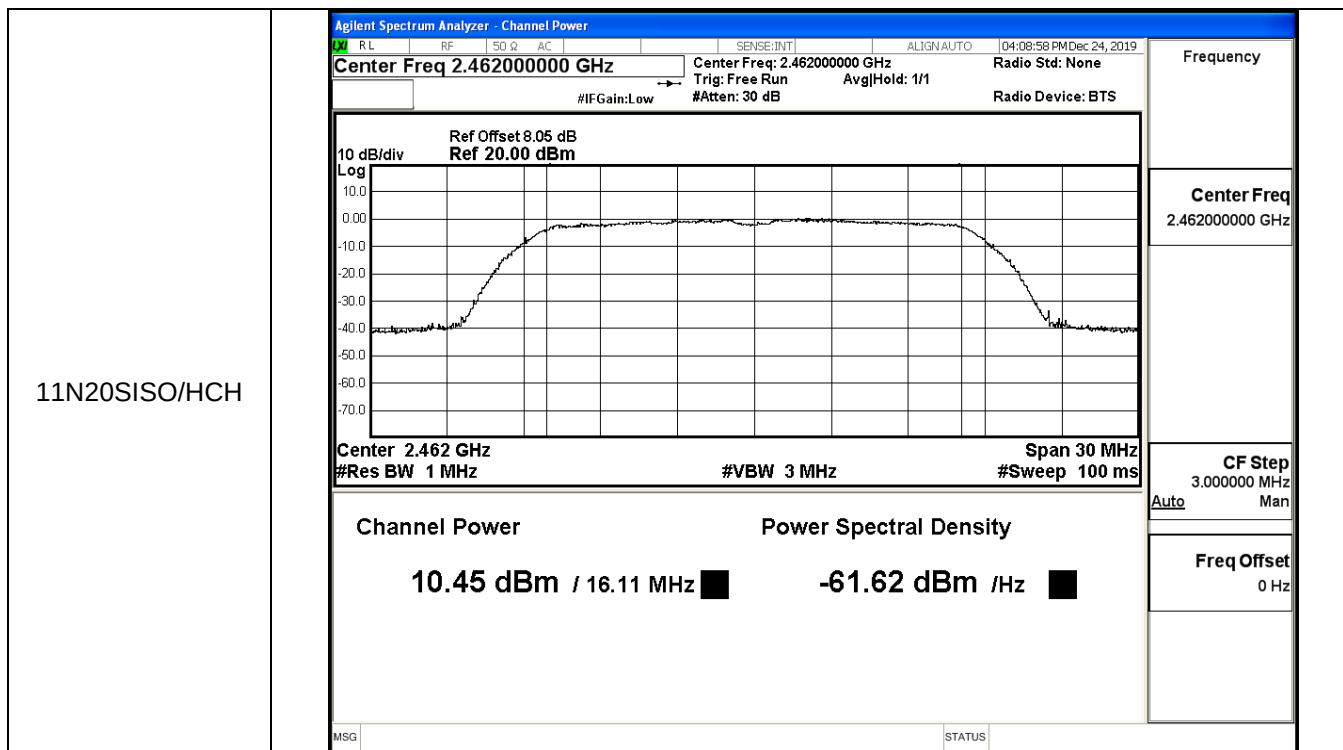


Ant0+1

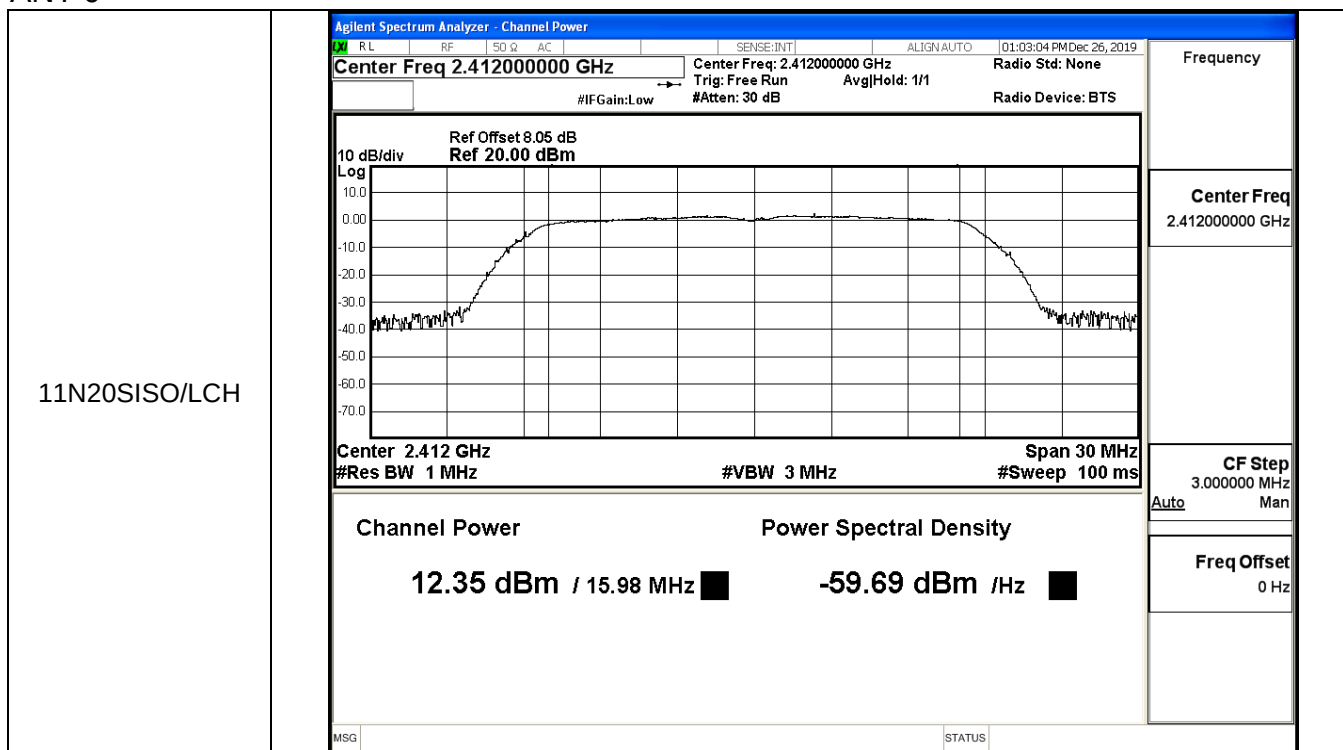
Mode	Channel	ANT 0 [dBm]	ANT 1 [dBm]	MIMO [dBm]	Limit [dBm]	Verdict
11N20SISO	LCH	12.35	10.69	14.61	30	PASS
	MCH	12.62	10.03	14.53	30	PASS
	HCH	12.93	10.45	14.87	30	PASS

ANT 1

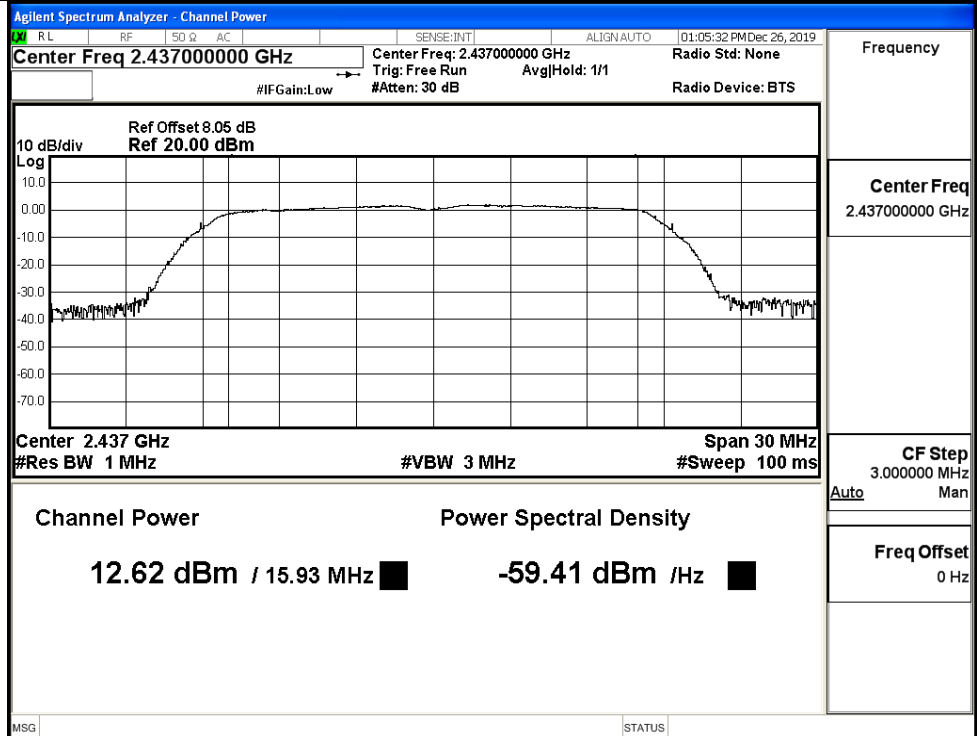
11N20SISO/LCH	Agilent Spectrum Analyzer - Channel Power Center Freq 2.412000000 GHz Center Freq: 2.412000000 GHz Trig: Free Run AvalHold: 1/1 #IFGain: Low #Atten: 30 dB Radio Std: None Radio Device: BTS Ref Offset 8.05 dB Ref 20.00 dBm 10 dB/div Log Center 2.412 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz #Sweep 100 ms Channel Power 10.69 dBm / 15.95 MHz Power Spectral Density -61.34 dBm /Hz MSG STATUS	Frequency Center Freq 2.41200000 GHz CF Step 3.000000 MHz Auto Man Freq Offset 0 Hz
11N20SISO/MCH	Agilent Spectrum Analyzer - Channel Power Center Freq 2.437000000 GHz Center Freq: 2.437000000 GHz Trig: Free Run AvalHold: 1/1 #IFGain: Low #Atten: 30 dB Radio Std: None Radio Device: BTS Ref Offset 8.05 dB Ref 20.00 dBm 10 dB/div Log Center 2.437 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz #Sweep 100 ms Channel Power 10.03 dBm / 15.92 MHz Power Spectral Density -61.99 dBm /Hz MSG STATUS	Frequency Center Freq 2.437000000 GHz CF Step 3.000000 MHz Auto Man Freq Offset 0 Hz



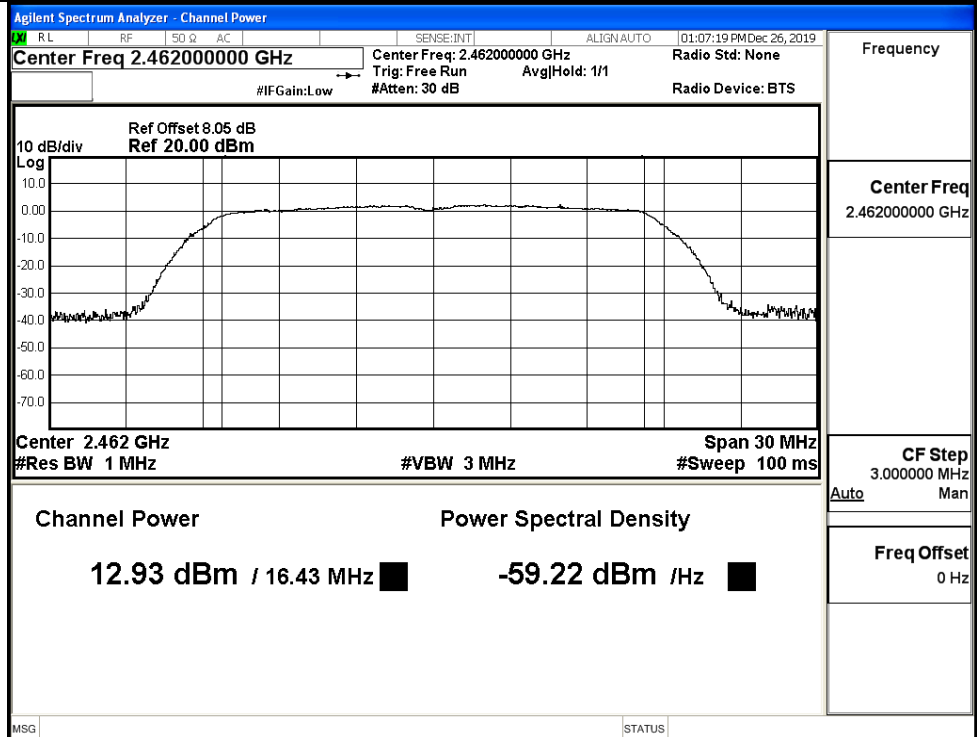
ANT 0



11N20SISO/MCH



11N20SISO/HCH



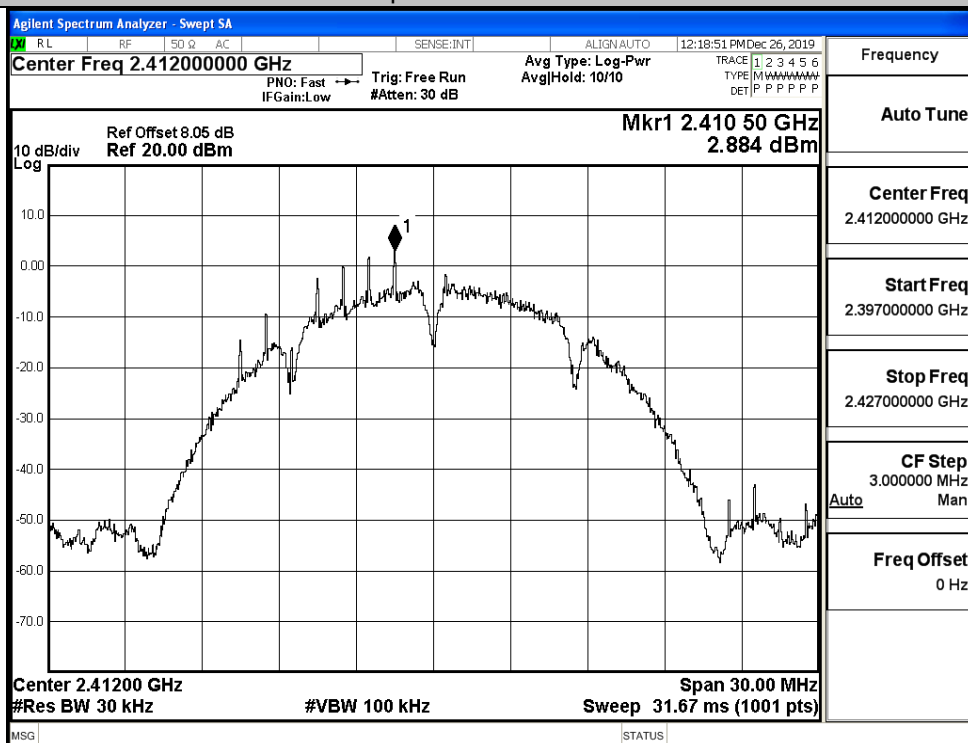
C.3 Maximum Power Spectral Density

Ant0

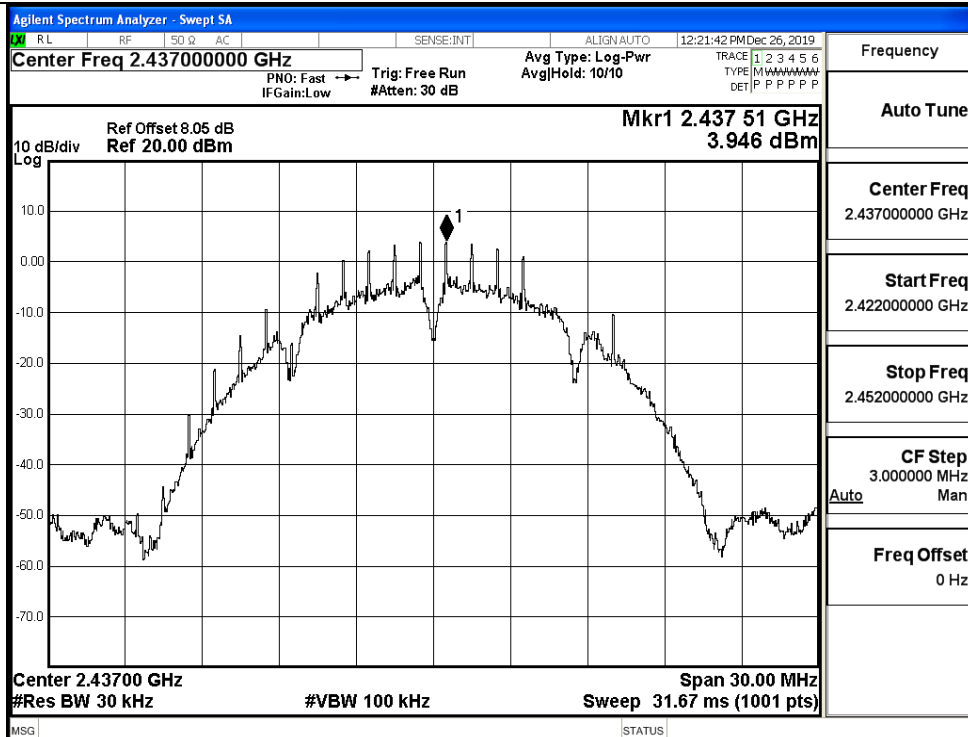
Mode	Channel	Meas.Level [dBm/30KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	2.884	8	PASS
	MCH	3.946	8	PASS
	HCH	-0.073	8	PASS
11G	LCH	-9.341	8	PASS
	MCH	-9.893	8	PASS
	HCH	-10.195	8	PASS
11N20SISO	LCH	-11.312	8	PASS
	MCH	-10.677	8	PASS
	HCH	-9.991	8	PASS

Test Graphs

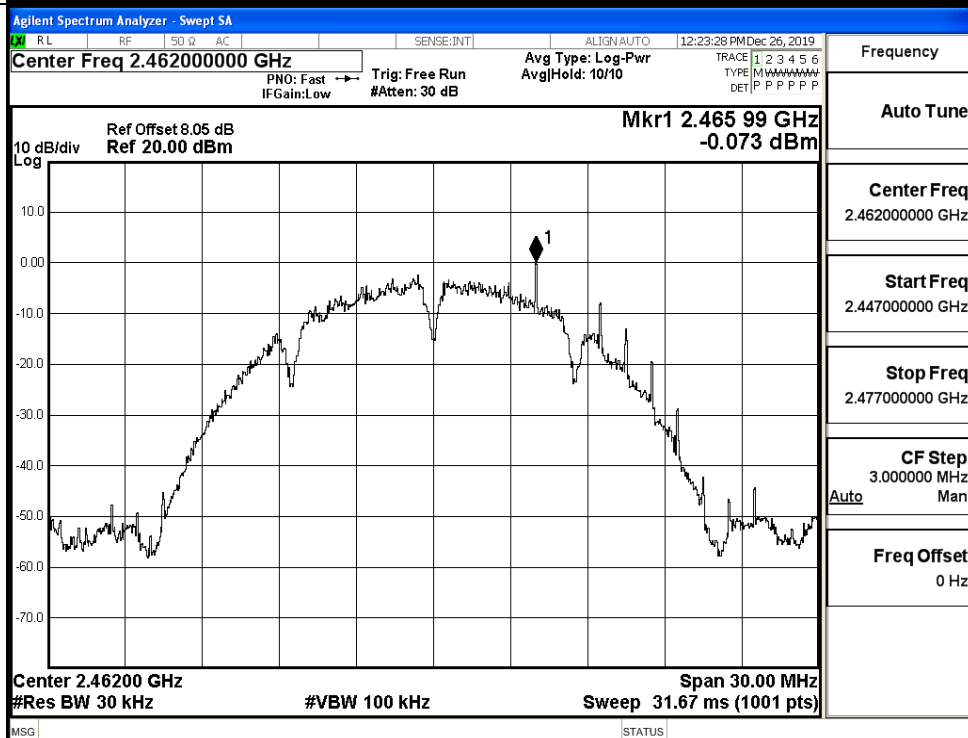
11B/LCH



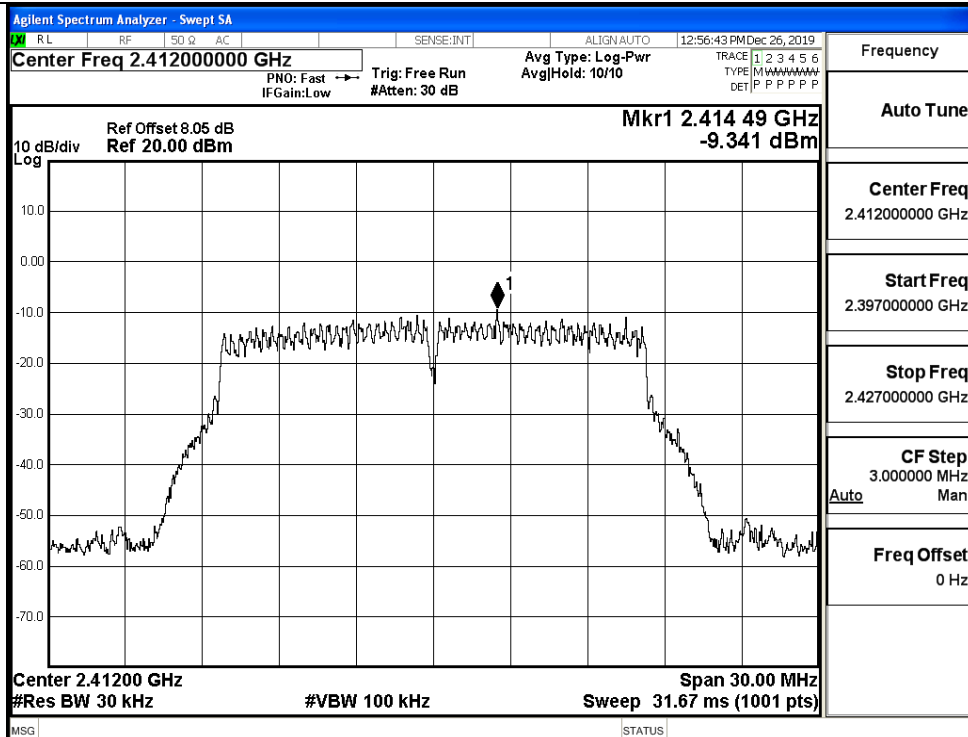
11B/MCH



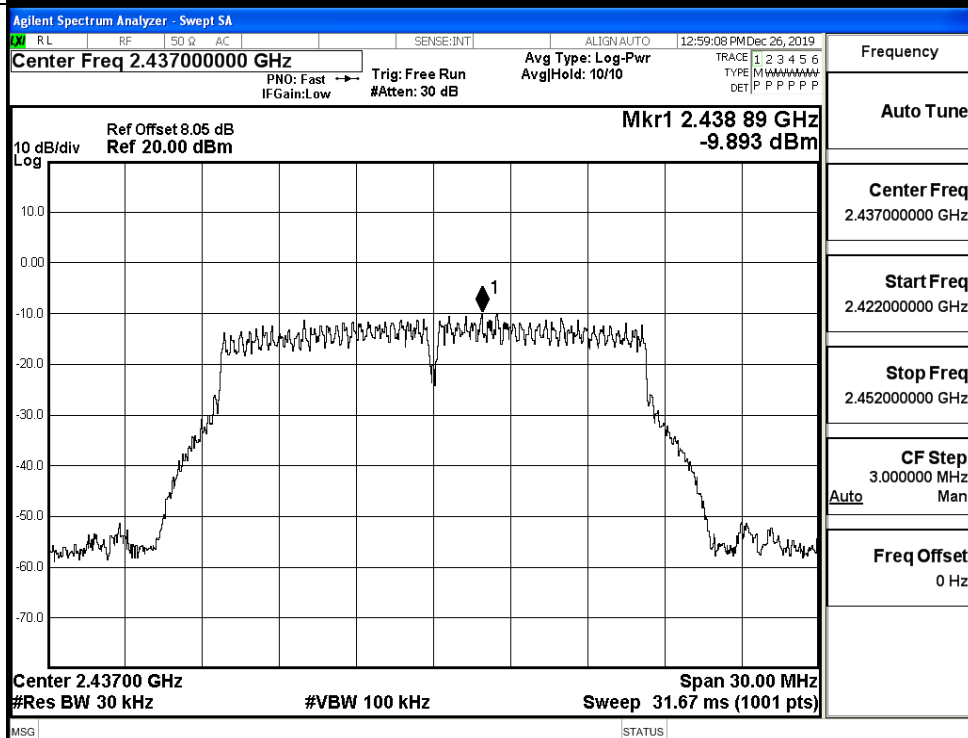
11B/HCH



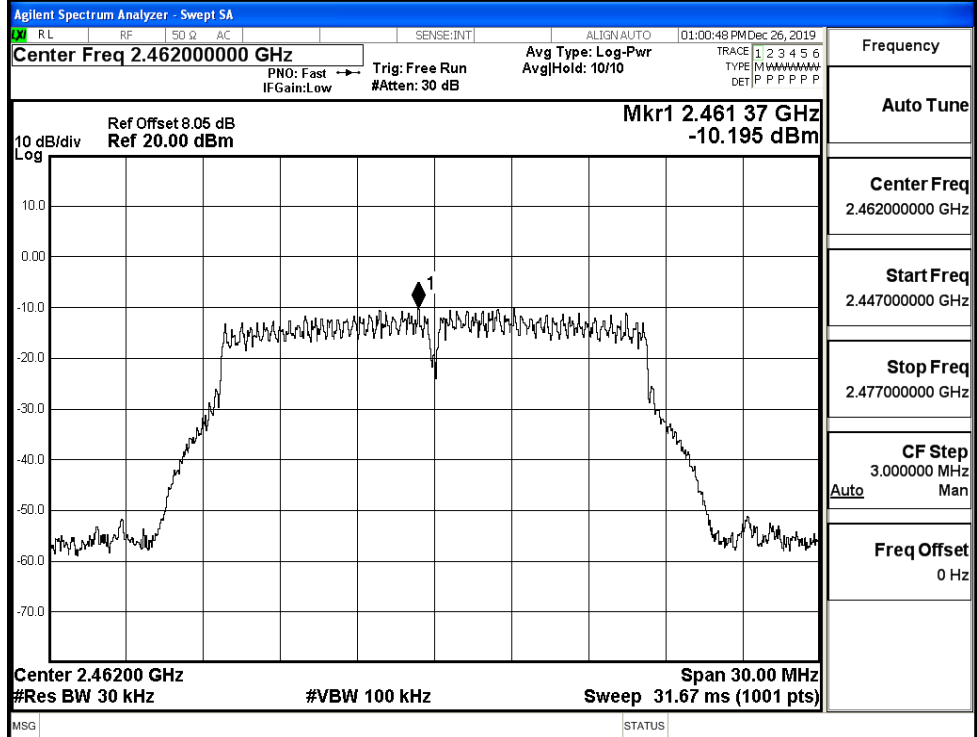
11G/LCH



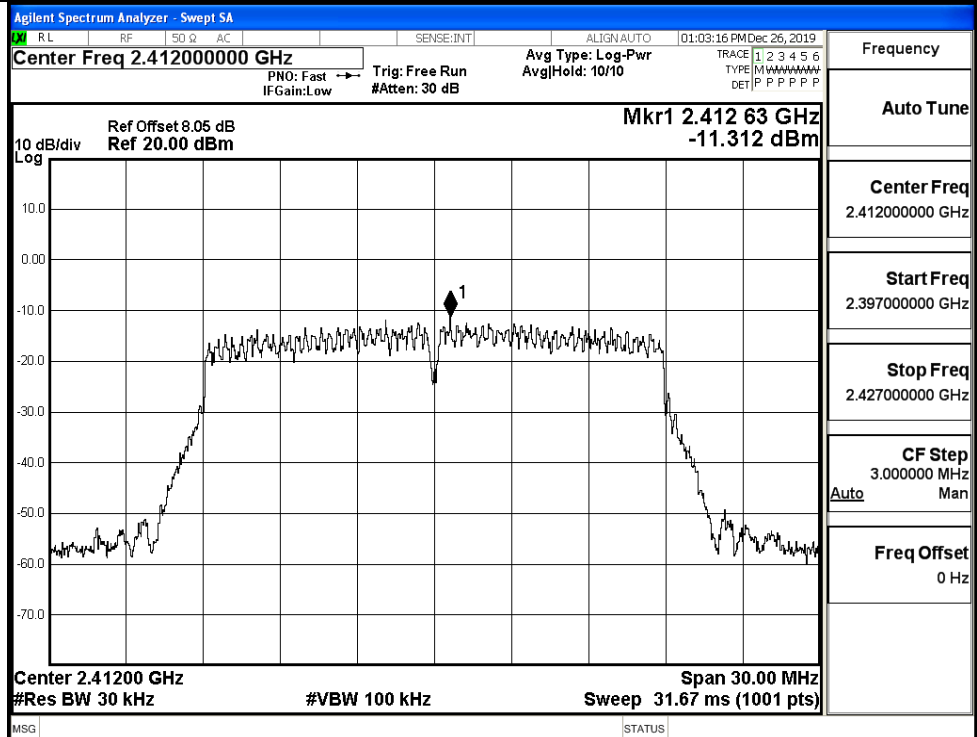
11G/MCH



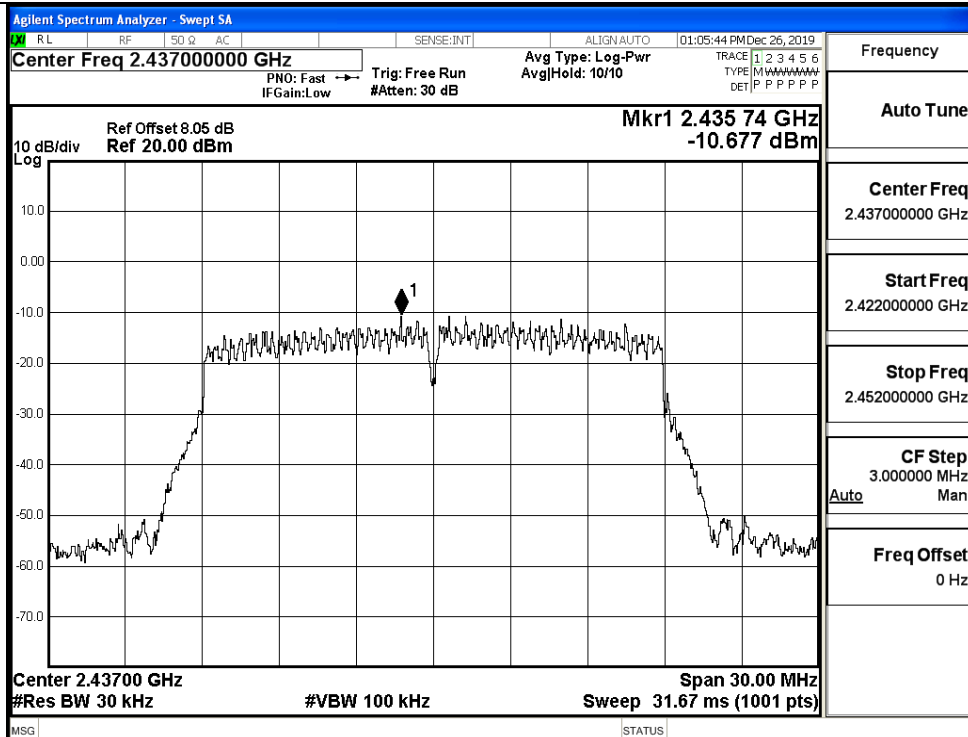
11G/HCH



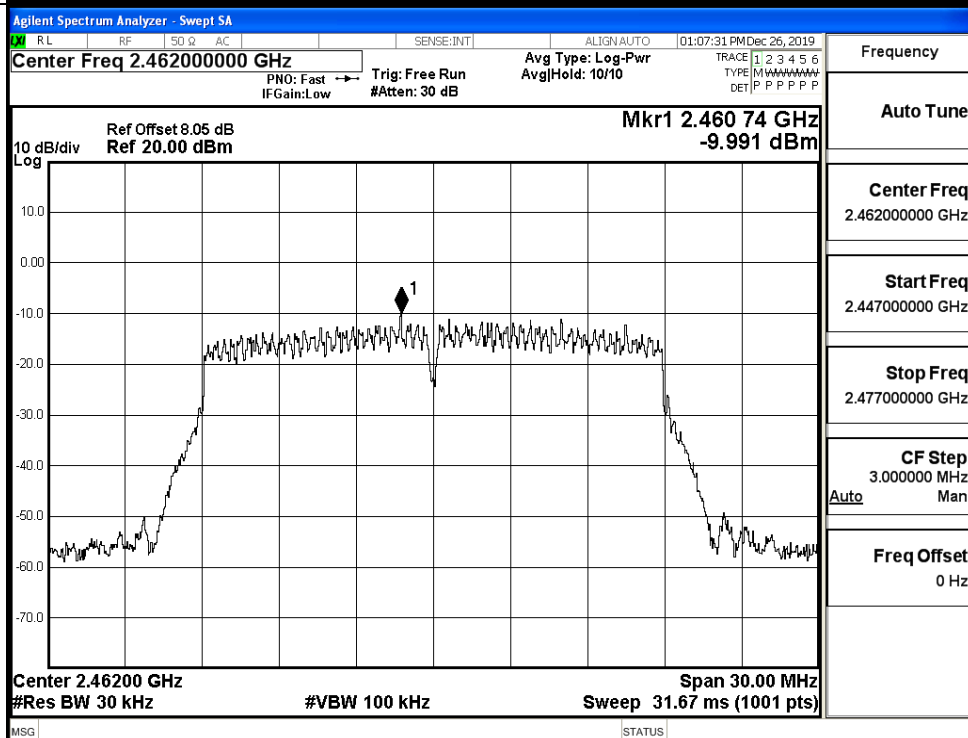
11N20SISO/LCH



11N20SISO/MCH



11N20SISO/HCH

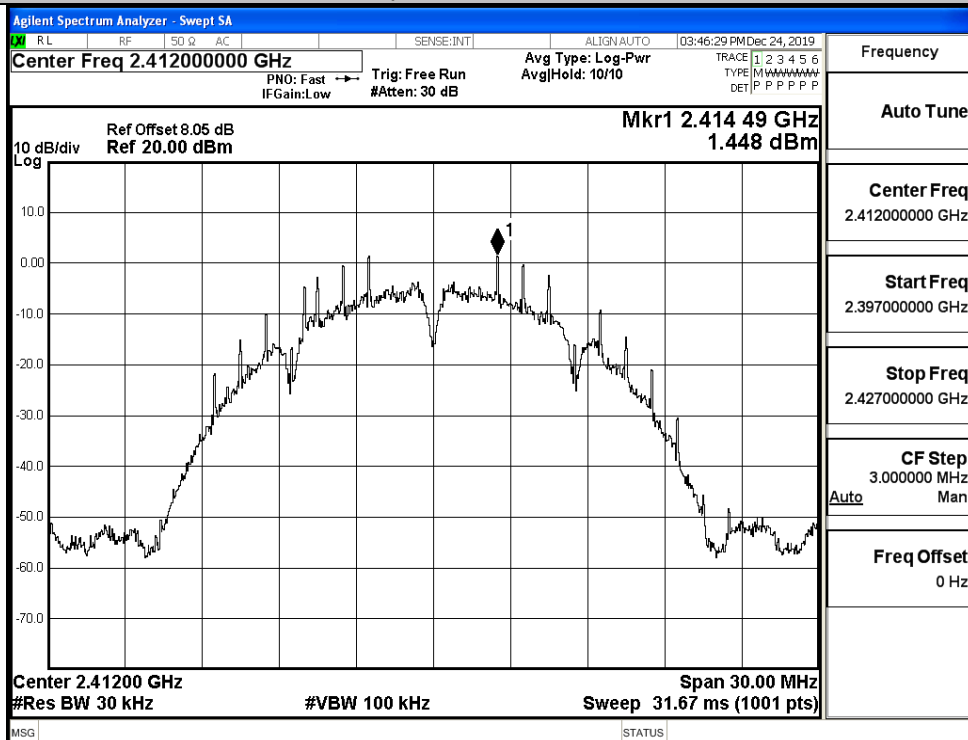


Ant1

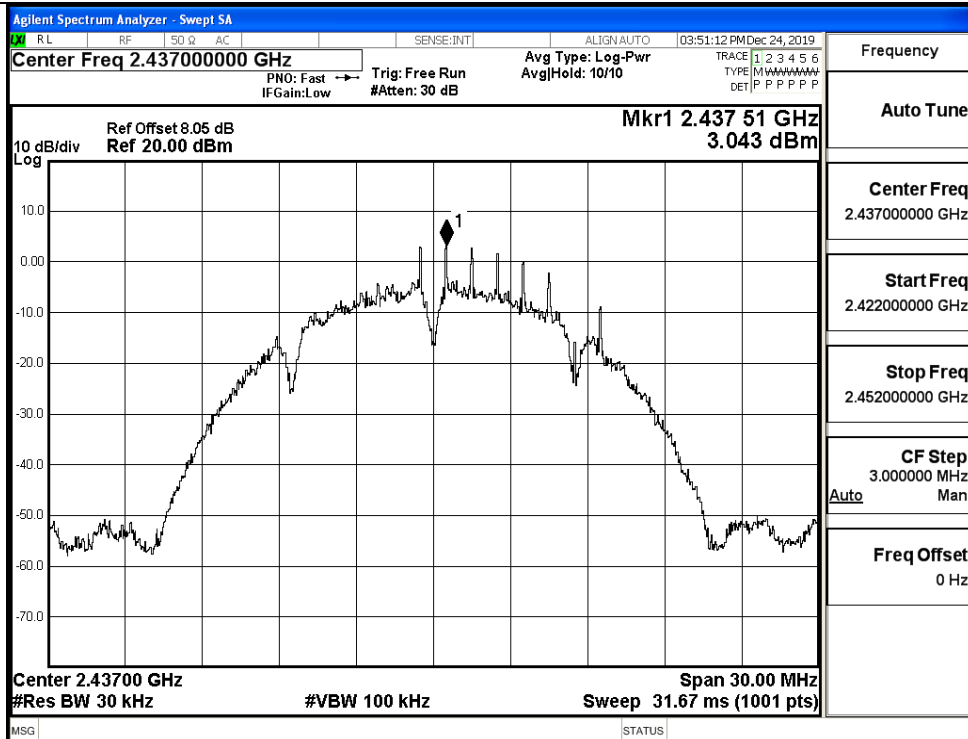
Mode	Channel	Meas.Level [dBm/30KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	1.448	8	PASS
	MCH	3.043	8	PASS
	HCH	2.172	8	PASS
11G	LCH	-10.878	8	PASS
	MCH	-11.762	8	PASS
	HCH	-11.092	8	PASS
11N20SISO	LCH	-13.060	8	PASS
	MCH	-13.995	8	PASS
	HCH	-13.590	8	PASS

Test Graphs

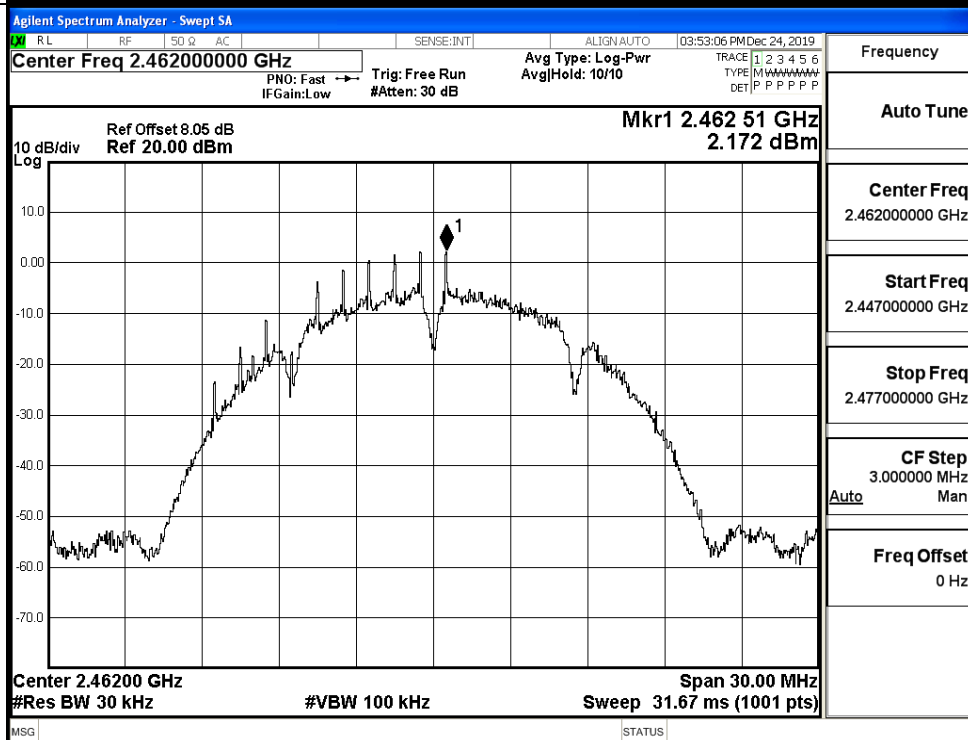
11B/LCH



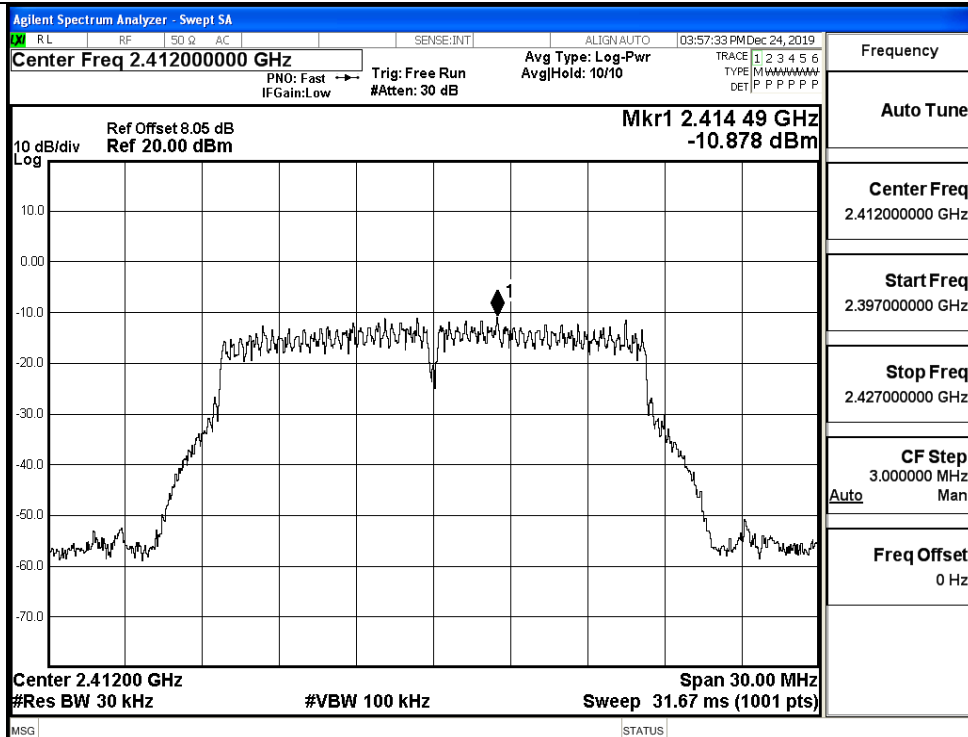
11B/MCH



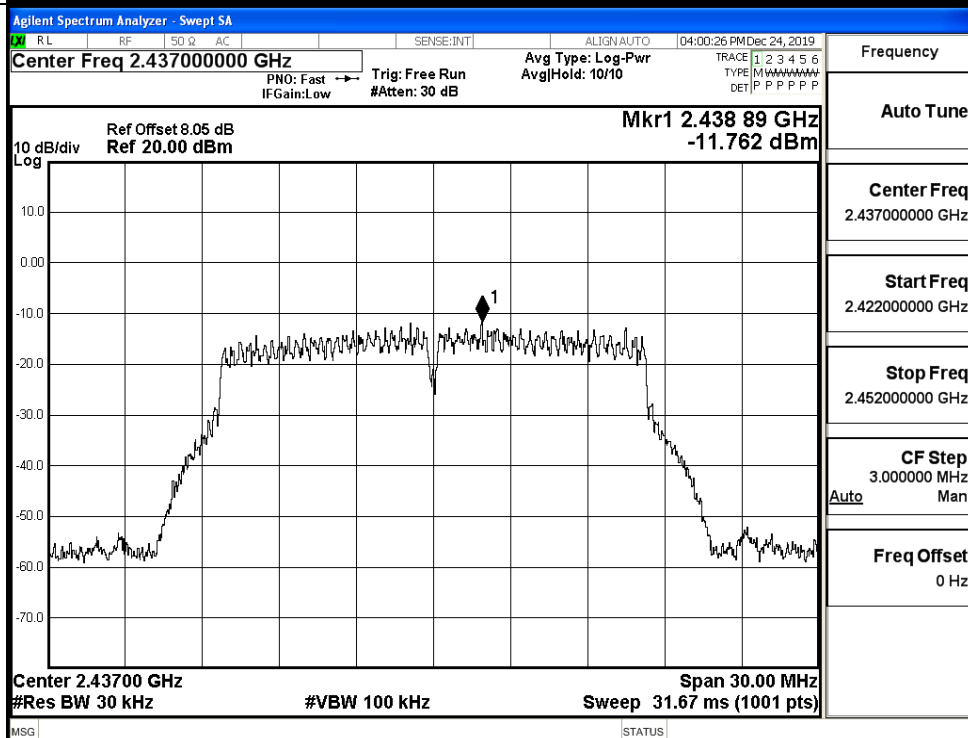
11B/HCH



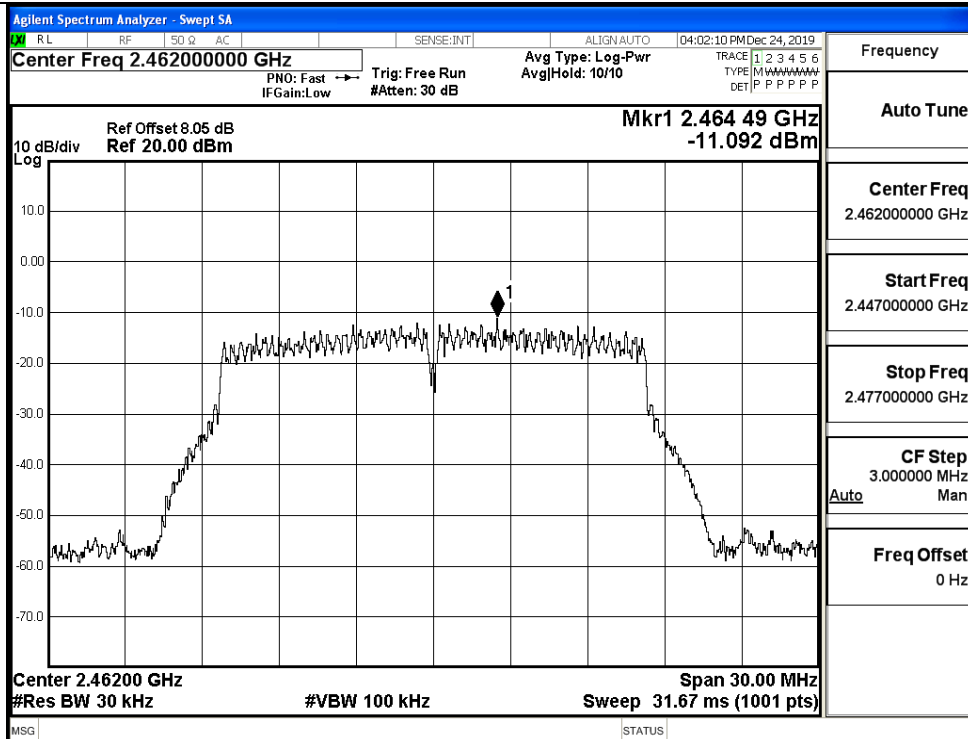
11G/LCH



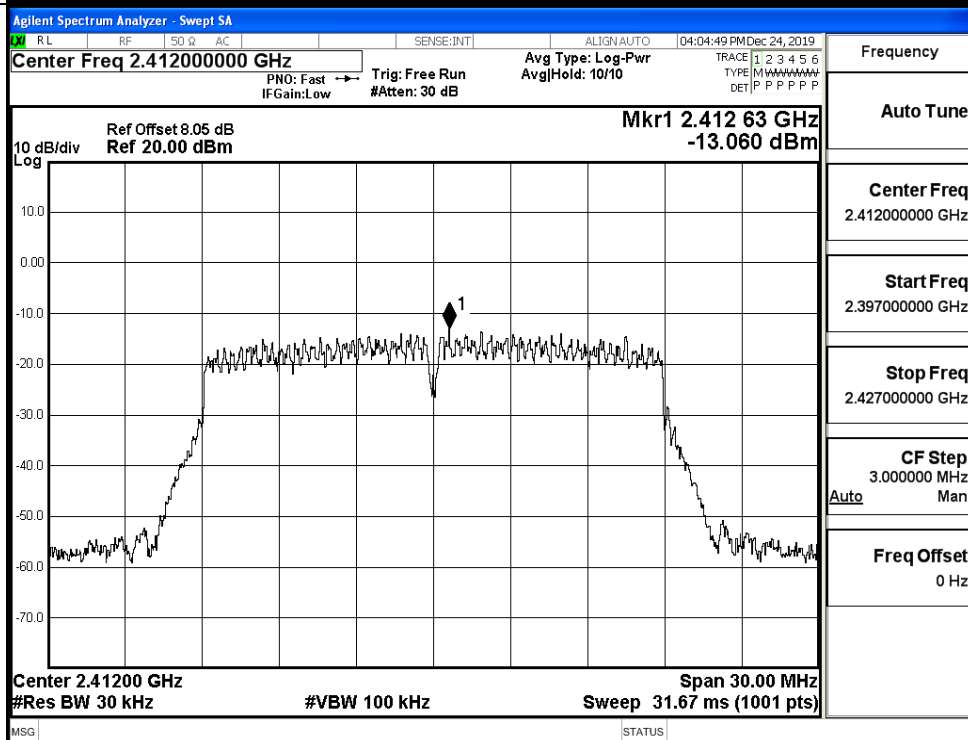
11G/MCH



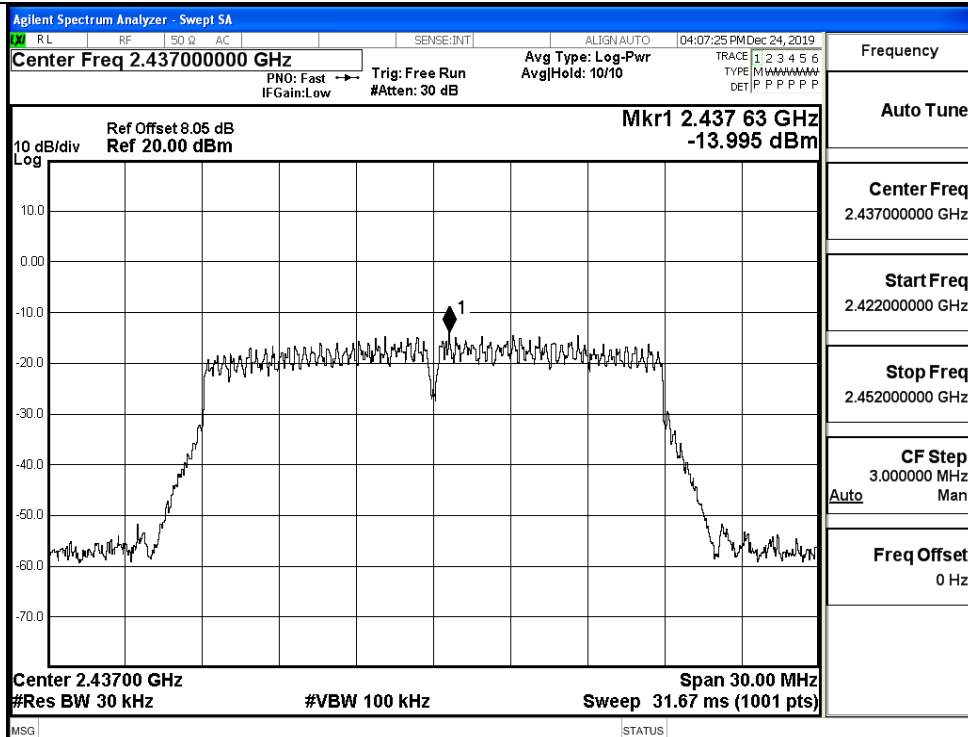
11G/HCH



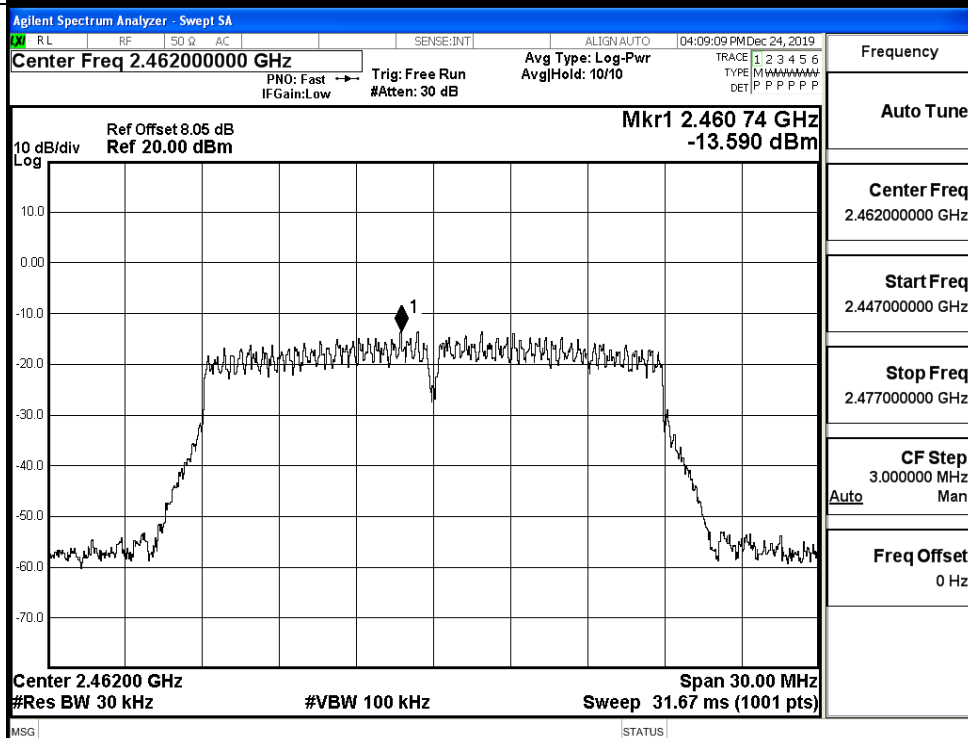
11N20SISO/LCH



11N20SISO/MCH



11N20SISO/HCH

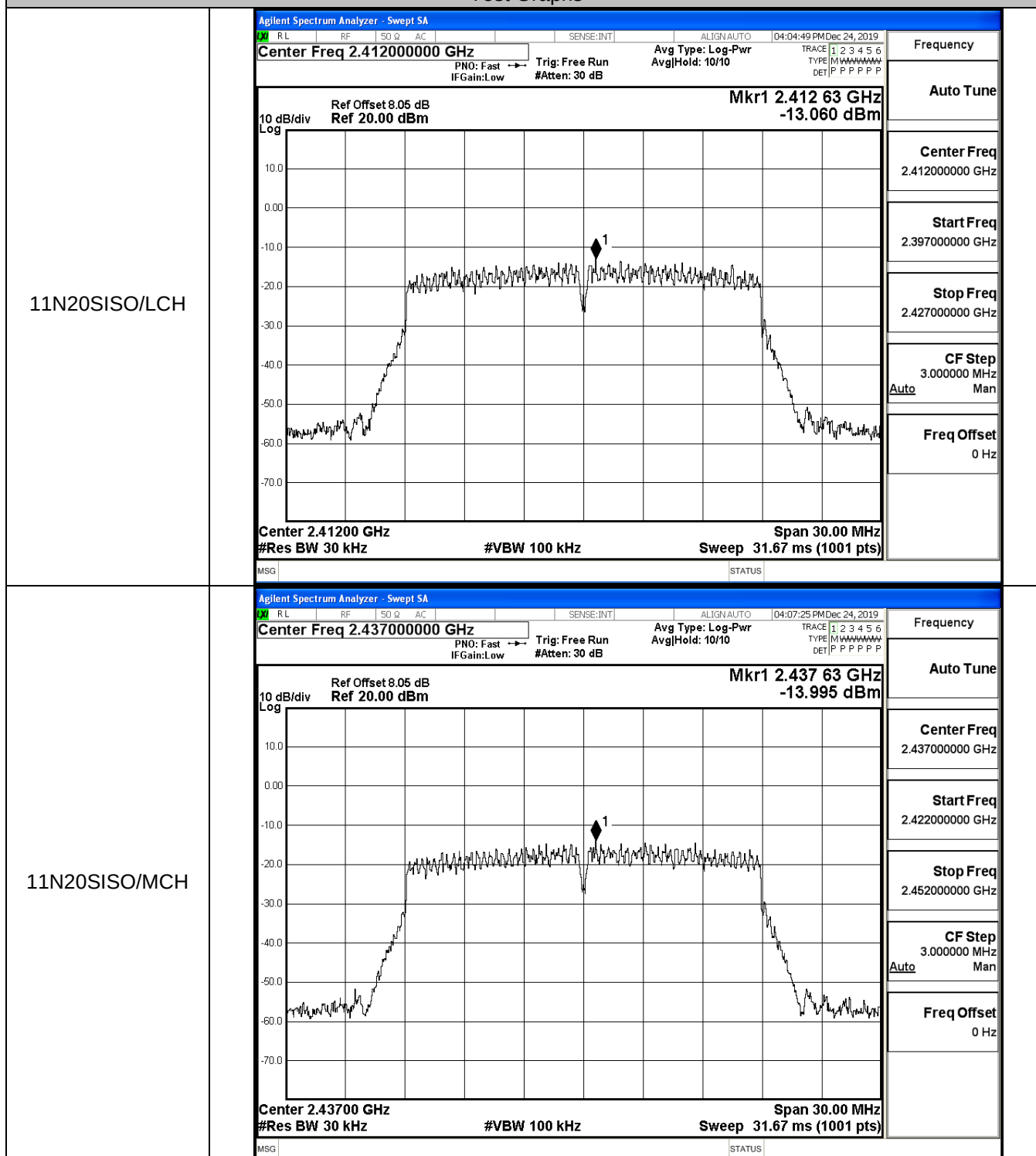


Ant0+1

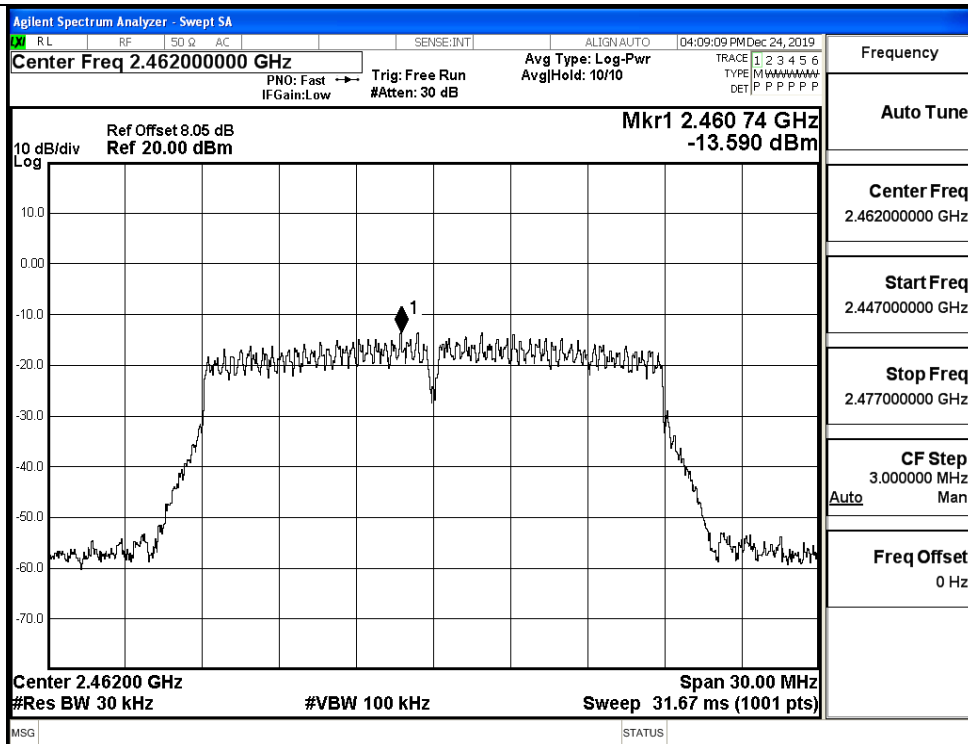
Mode	Channel	ANT 0 [dBm/30KHz]	ANT 1 [dBm/30KHz]	ANT 0+1 [dBm/30KHz]	Limit [dBm/3KHz]	Verdict
11N20SI SO	LCH	-13.060	-11.312	-9.09	8	PASS
	MCH	-13.995	-10.677	-9.02	8	PASS
	HCH	-13.590	-9.991	-8.42	8	PASS

ANT 0

Test Graphs

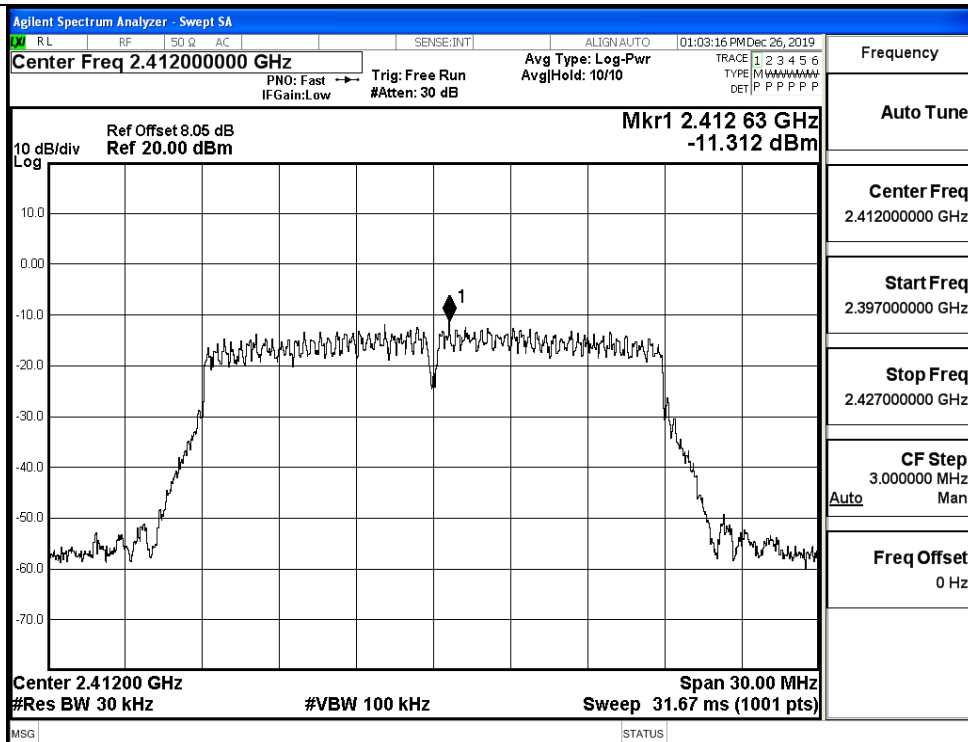


11N20SISO/HCH

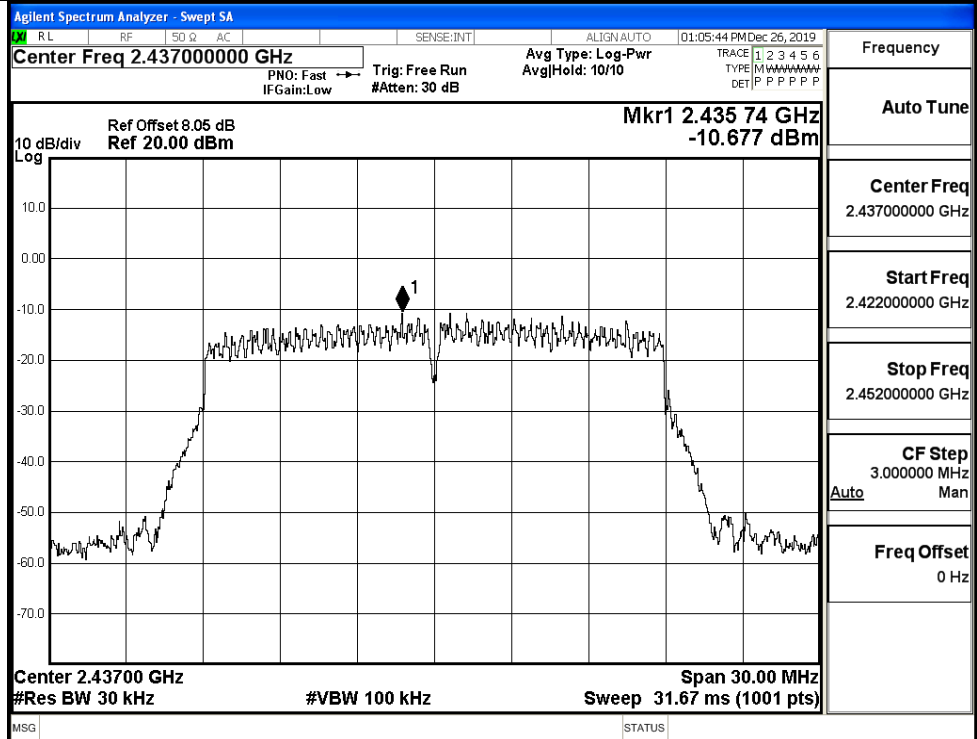


ANT 1

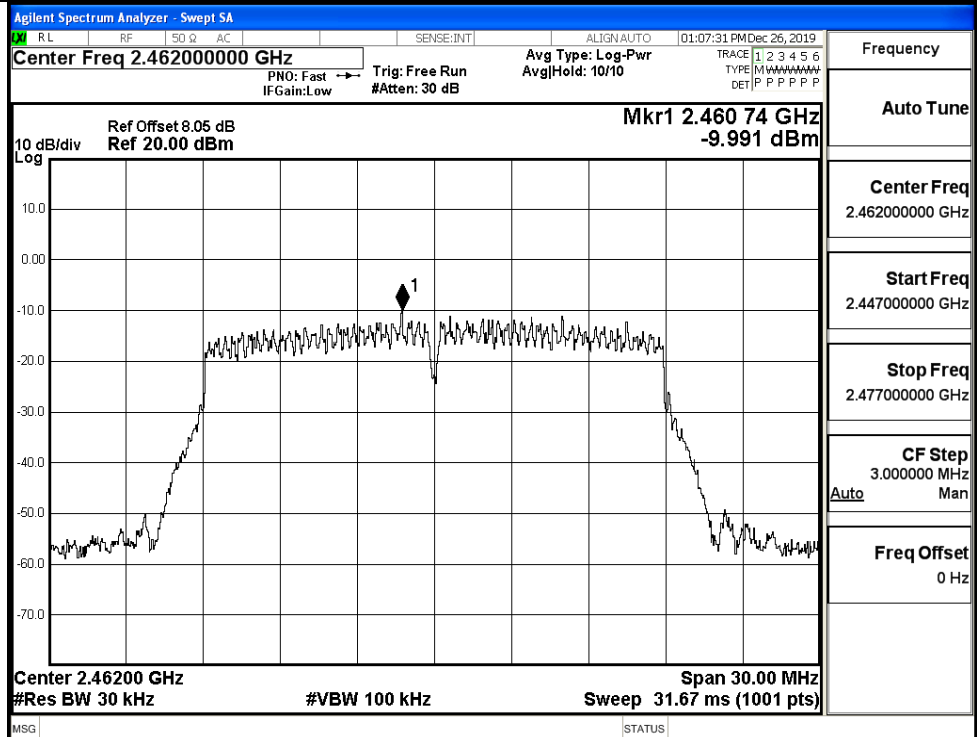
11N20SISO/LCH



11N20SISO/MCH



11N20SISO/HCH

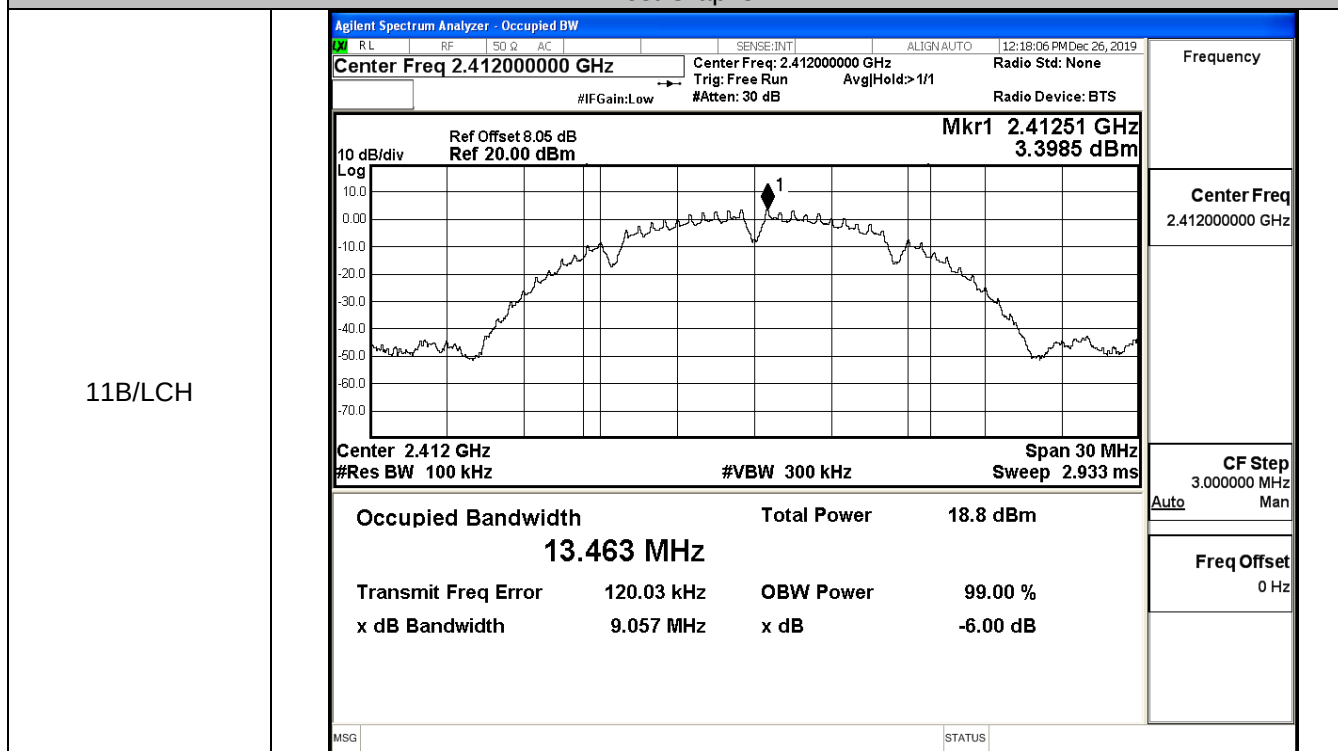


C.4 6dB Bandwidth

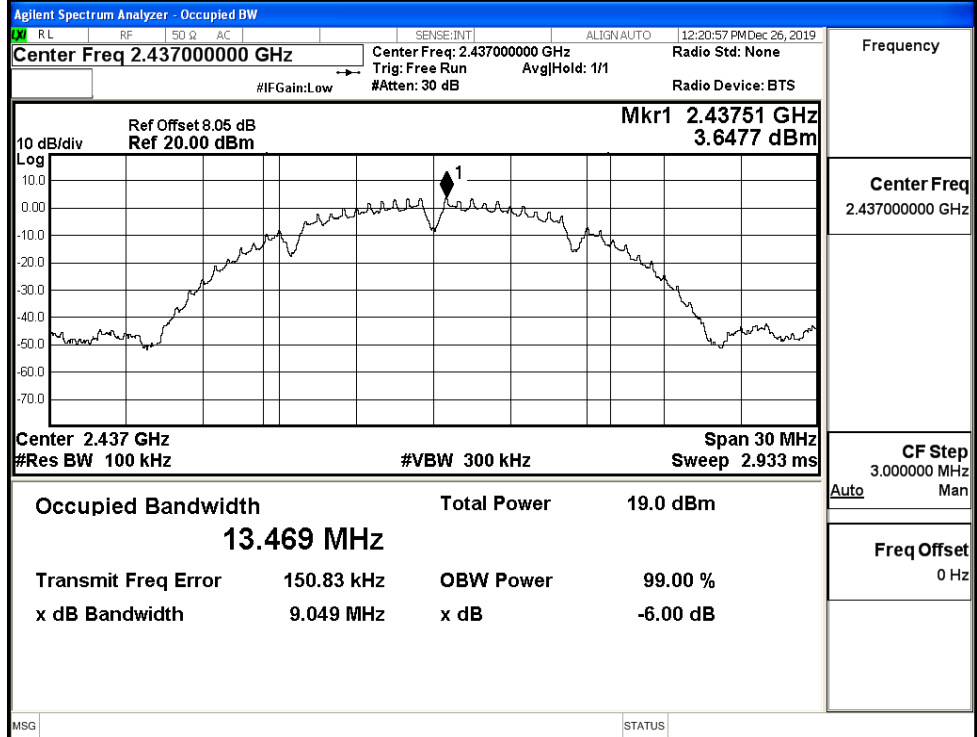
Ant0

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	9.057	≥ 0.5	PASS
	MCH	9.049	≥ 0.5	PASS
	HCH	8.103	≥ 0.5	PASS
11G	LCH	15.53	≥ 0.5	PASS
	MCH	15.51	≥ 0.5	PASS
	HCH	16.04	≥ 0.5	PASS
11N20SISO	LCH	15.98	≥ 0.5	PASS
	MCH	15.93	≥ 0.5	PASS
	HCH	16.43	≥ 0.5	PASS

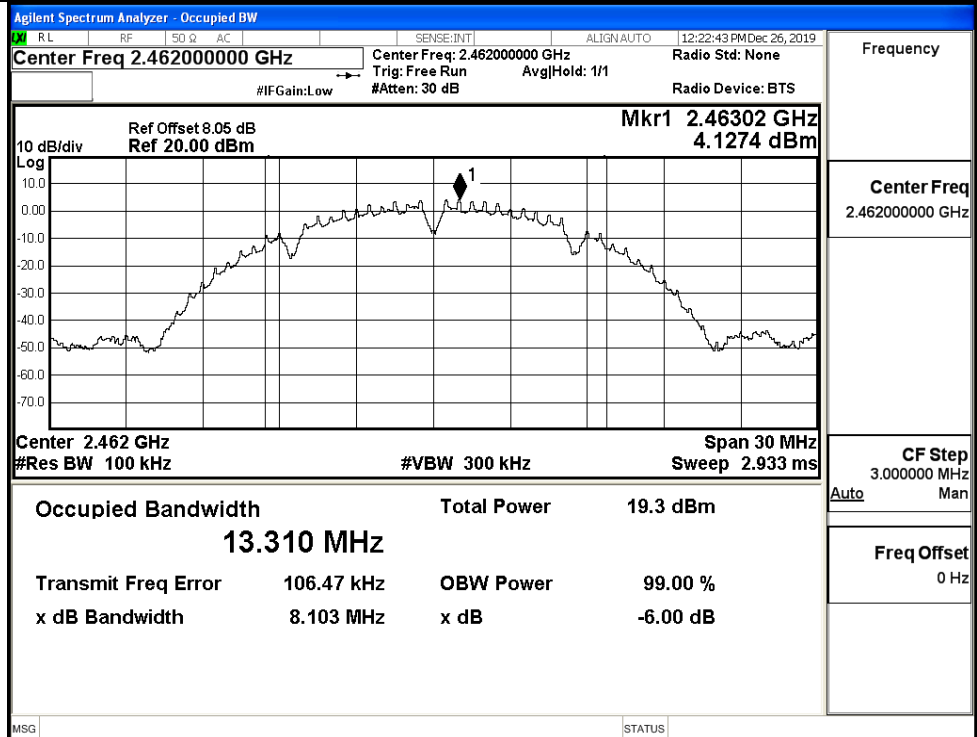
Test Graphs



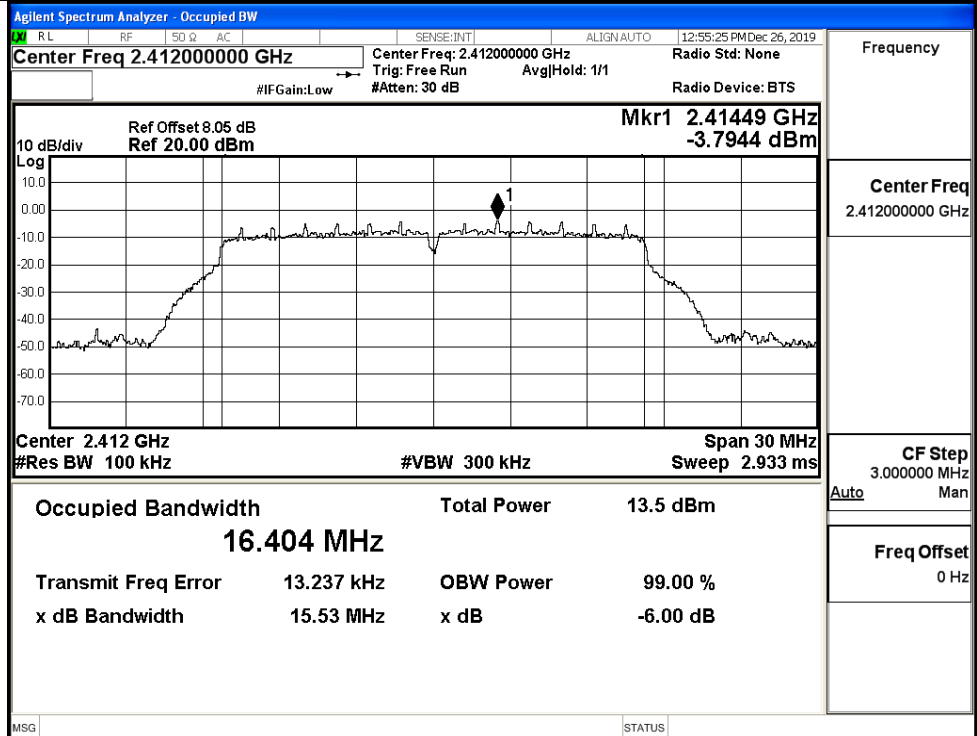
11B/MCH



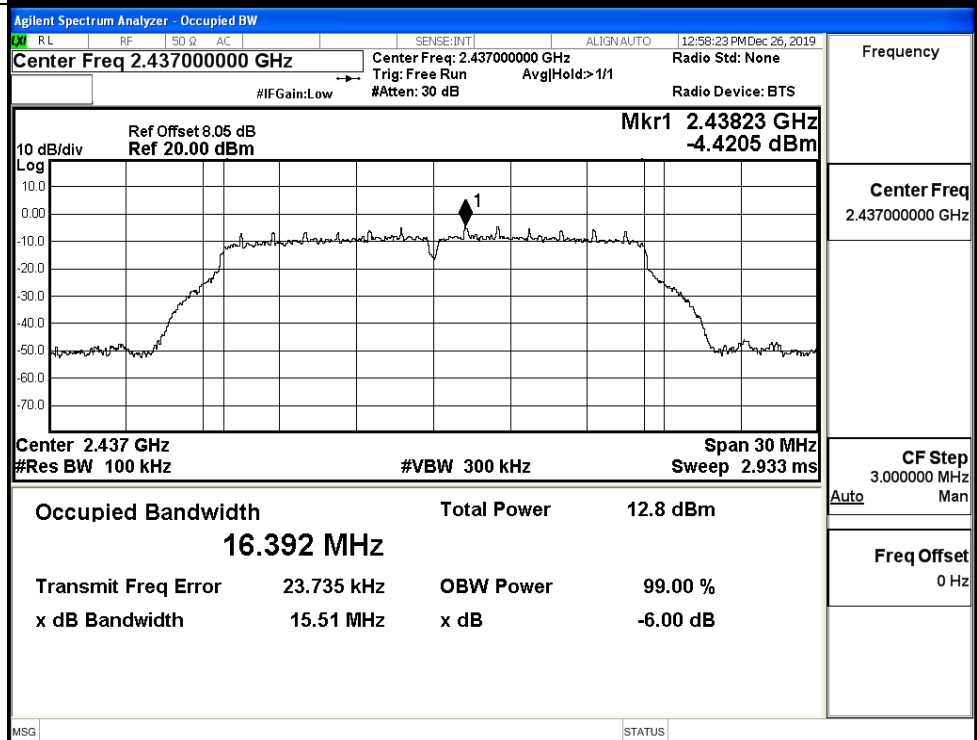
11B/HCH



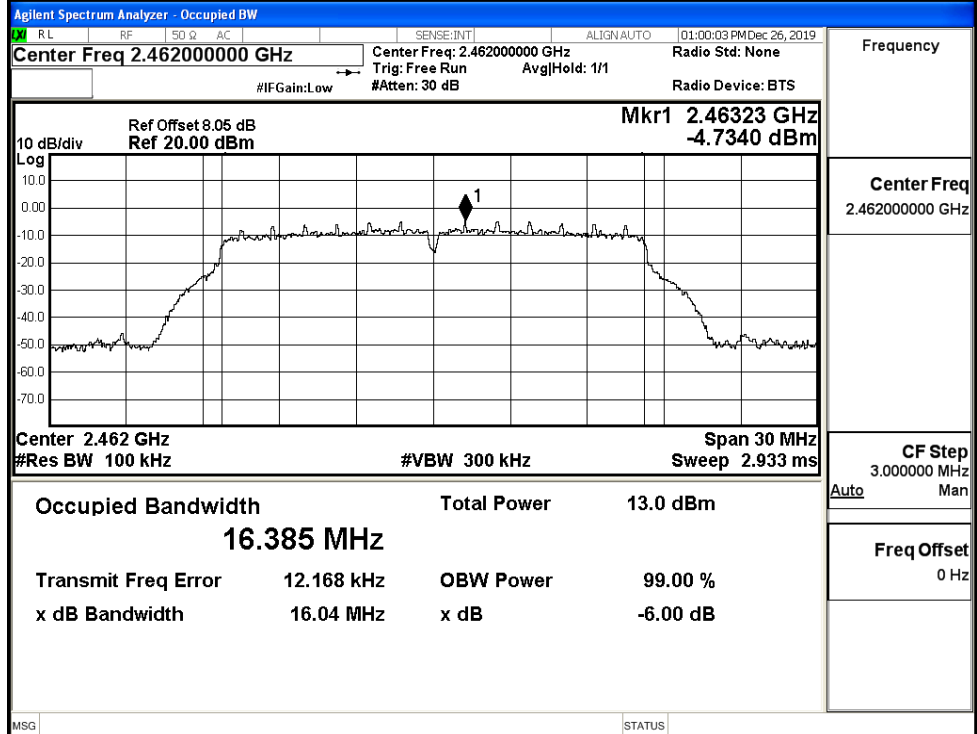
11G/LCH



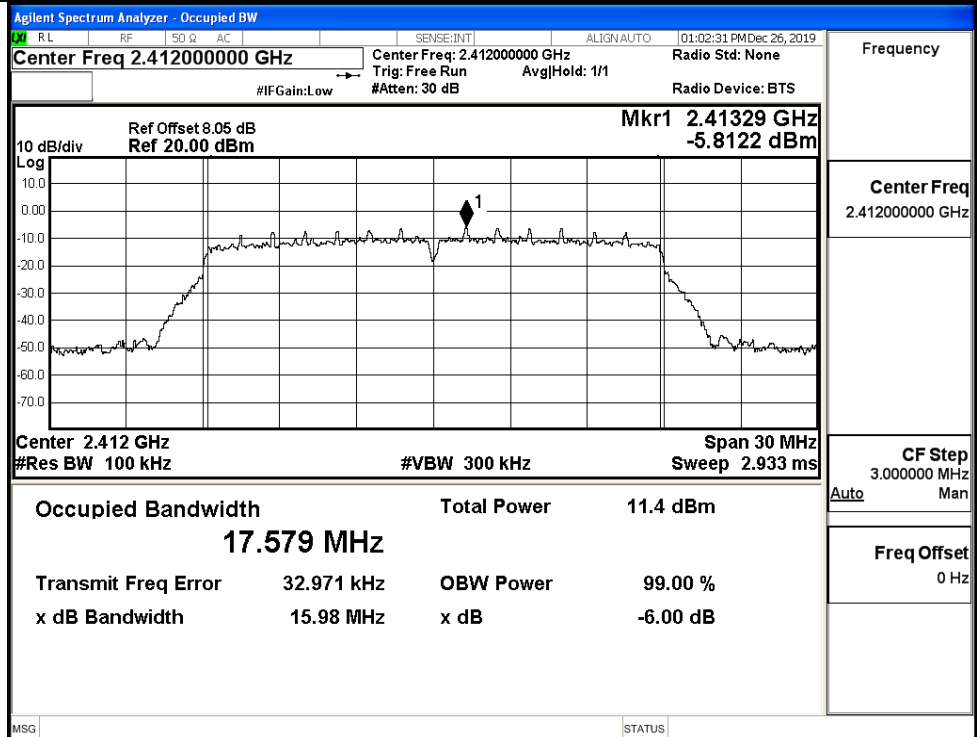
11G/MCH



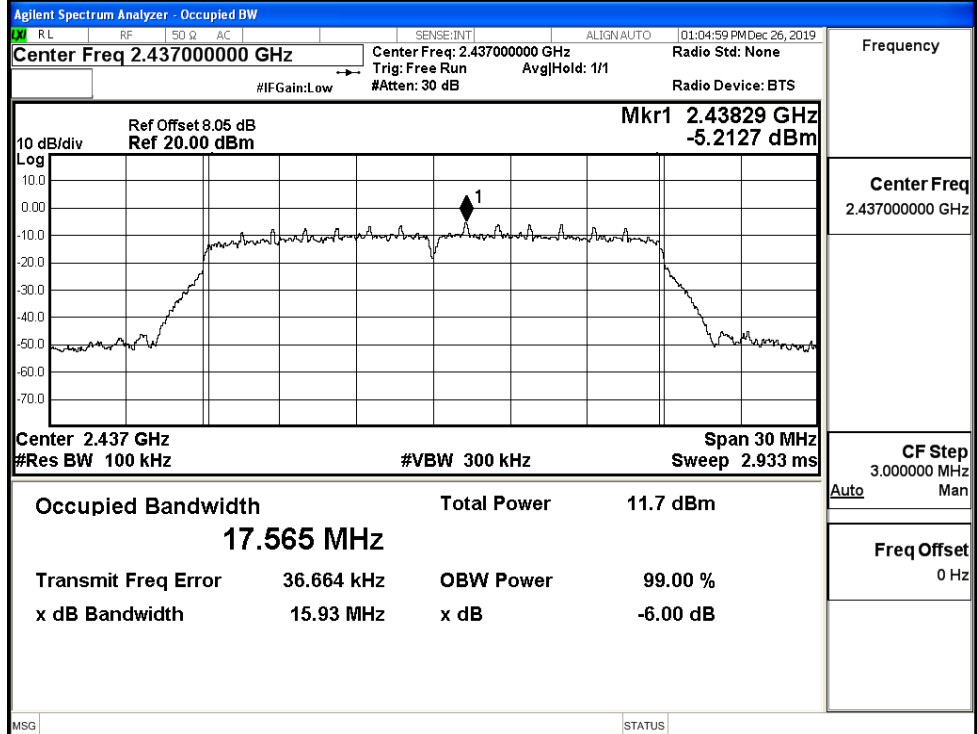
11G/HCH



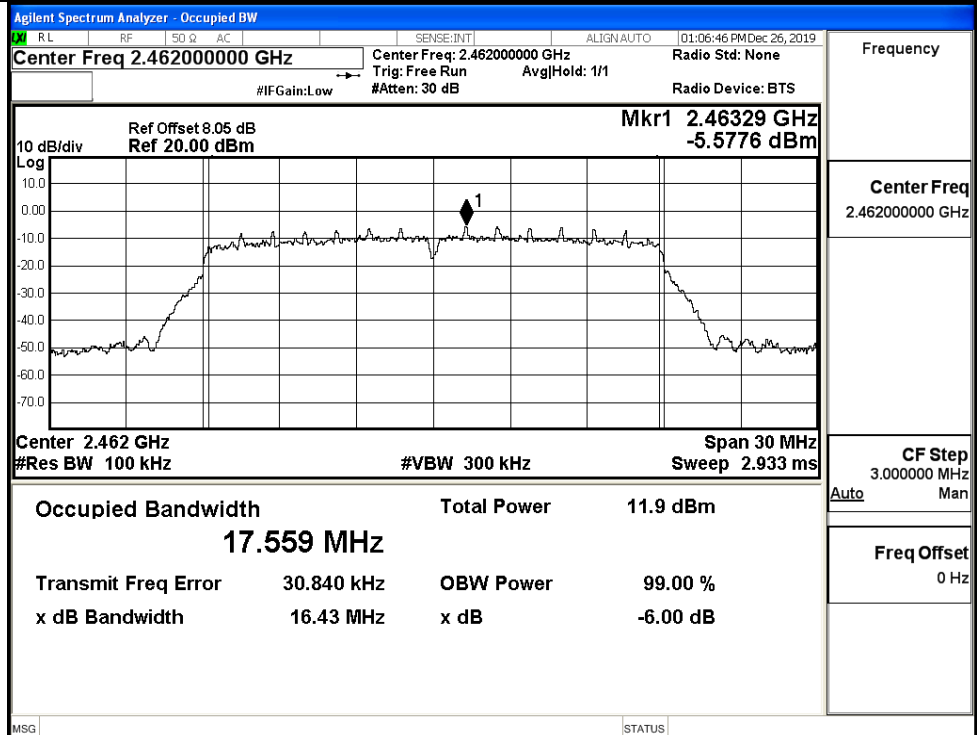
11N20SISO/LCH



11N20SISO/MCH



11N20SISO/HCH

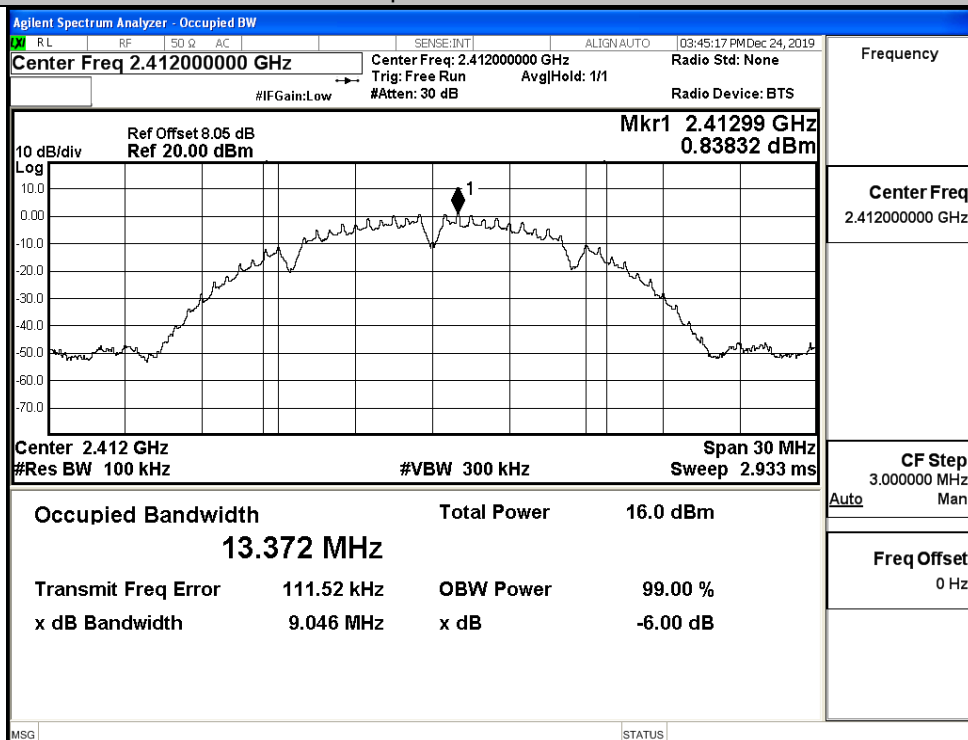


Ant1

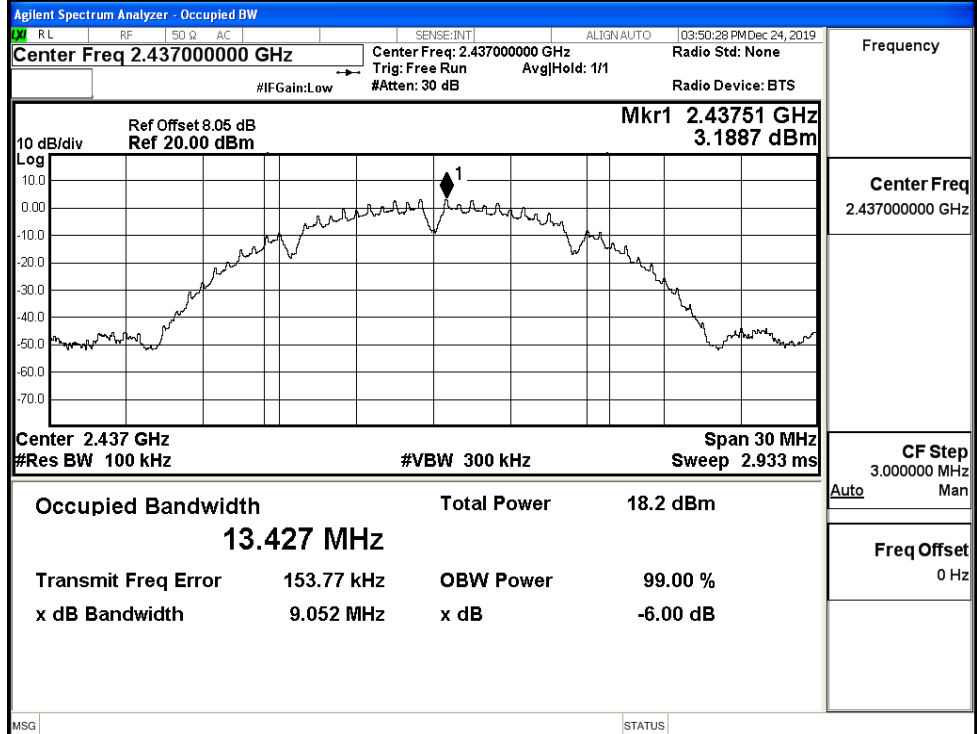
Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	9.046	≥ 0.5	PASS
	MCH	9.052	≥ 0.5	PASS
	HCH	9.047	≥ 0.5	PASS
11G	LCH	15.50	≥ 0.5	PASS
	MCH	15.74	≥ 0.5	PASS
	HCH	15.50	≥ 0.5	PASS
11N20SISO	LCH	15.95	≥ 0.5	PASS
	MCH	15.92	≥ 0.5	PASS
	HCH	16.11	≥ 0.5	PASS

Test Graphs

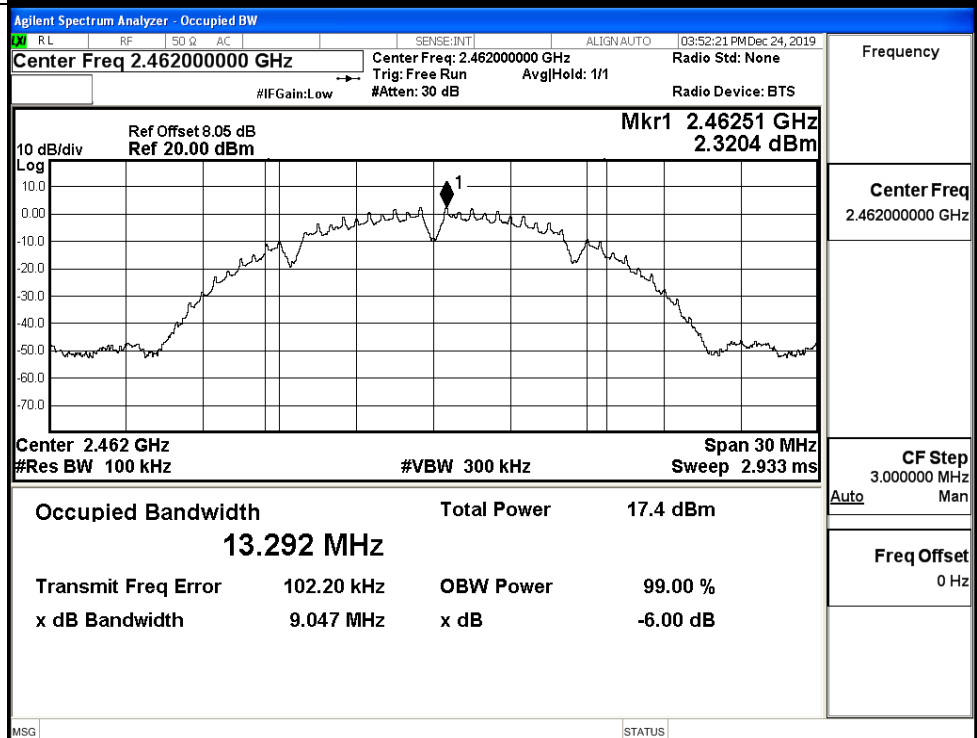
11B/LCH



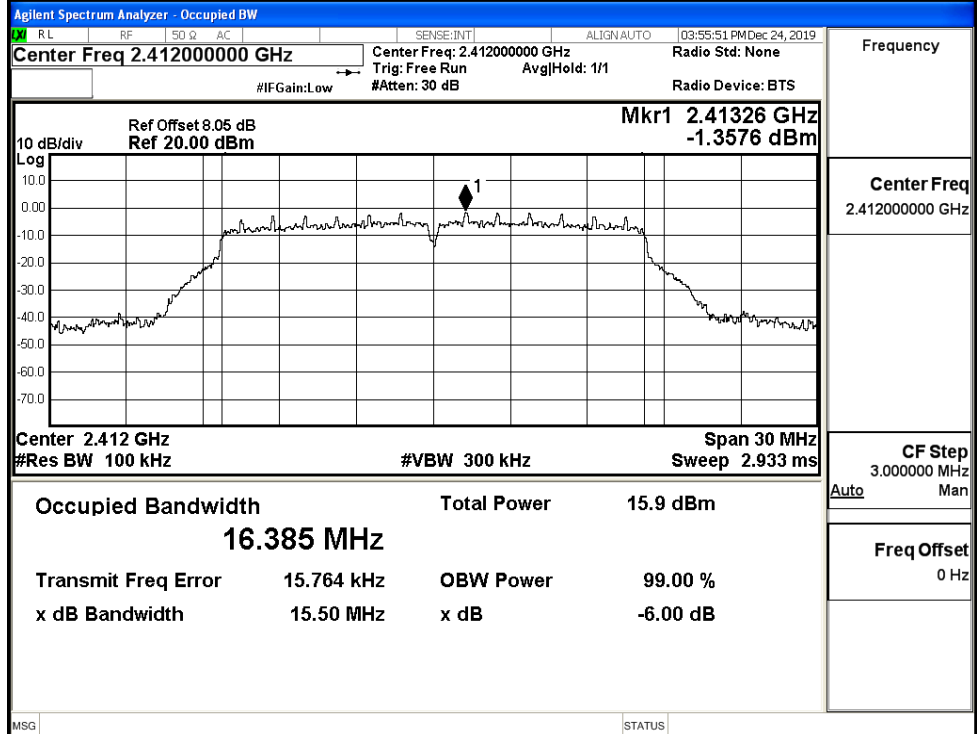
11B/MCH



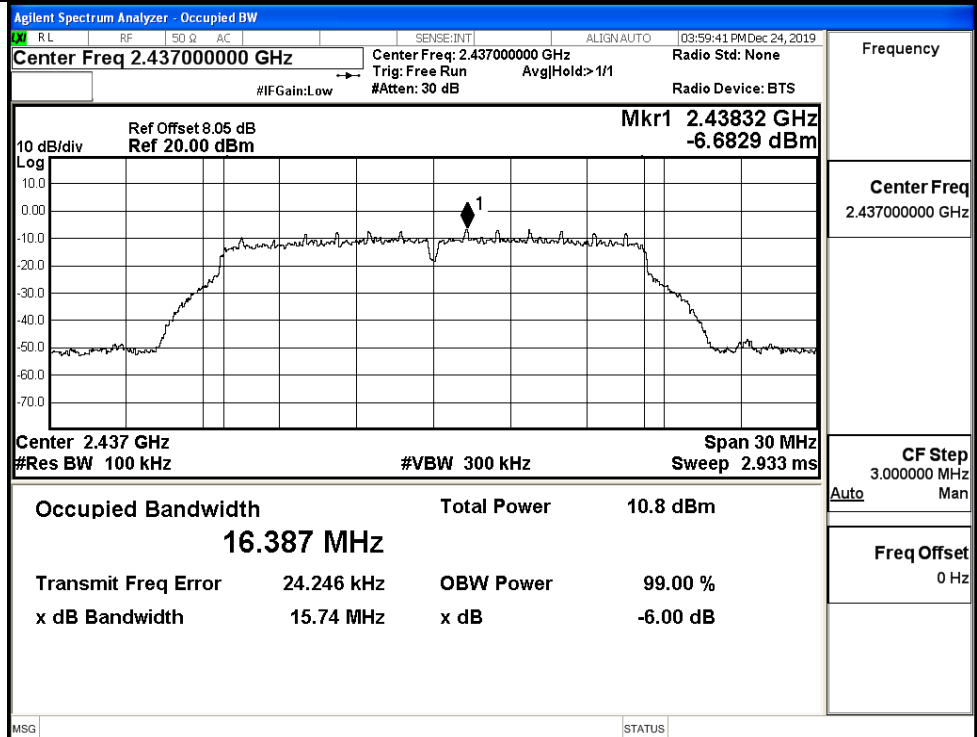
11B/HCH



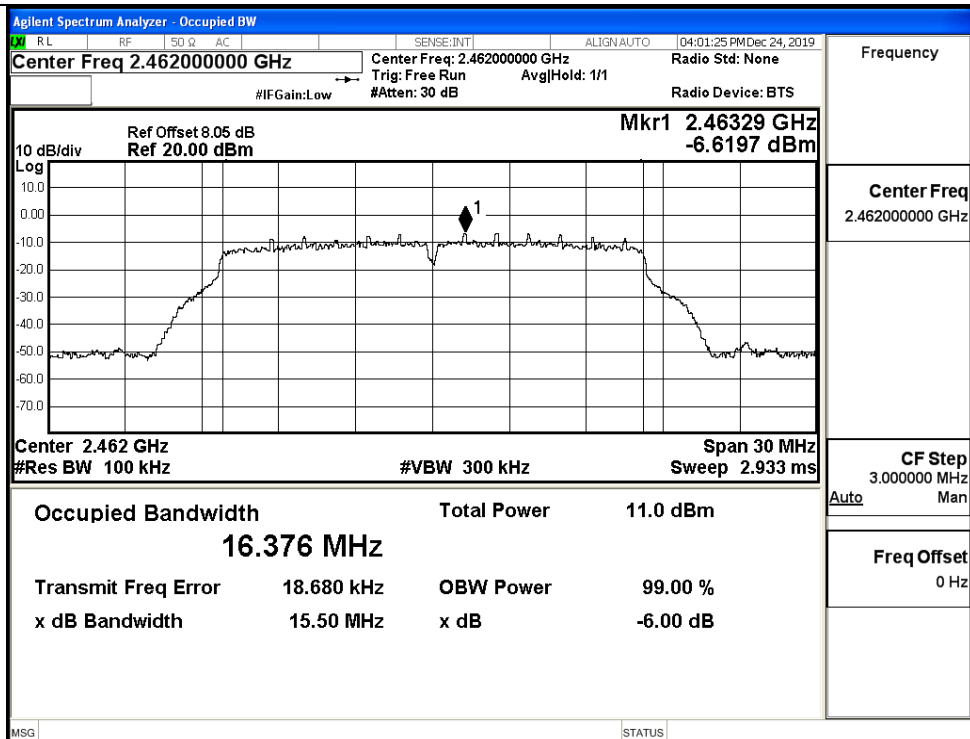
11G/LCH



11G/MCH



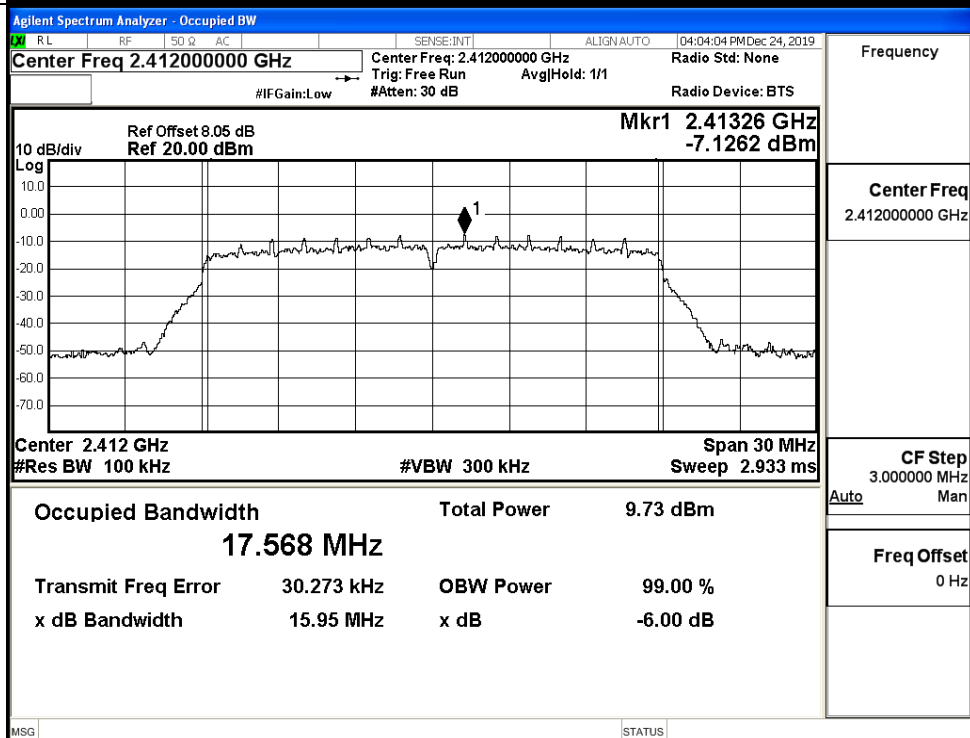
11G/HCH



Frequency

Center Freq
2.46200000 GHzCF Step
3.000000 MHz
Auto ManFreq Offset
0 Hz

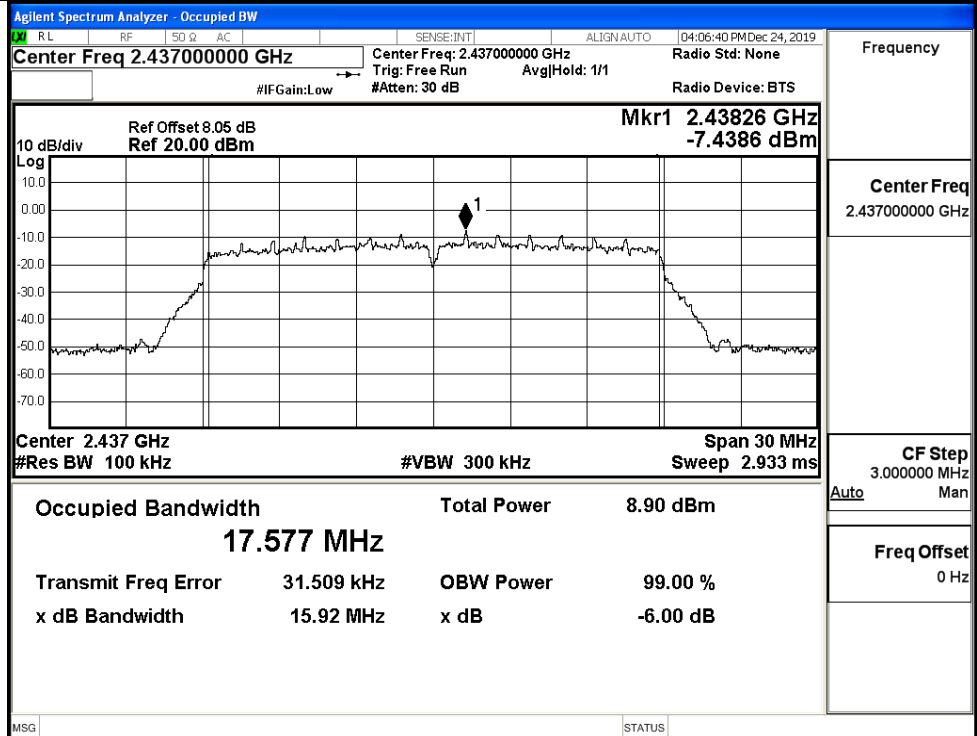
11N20SISO/LCH



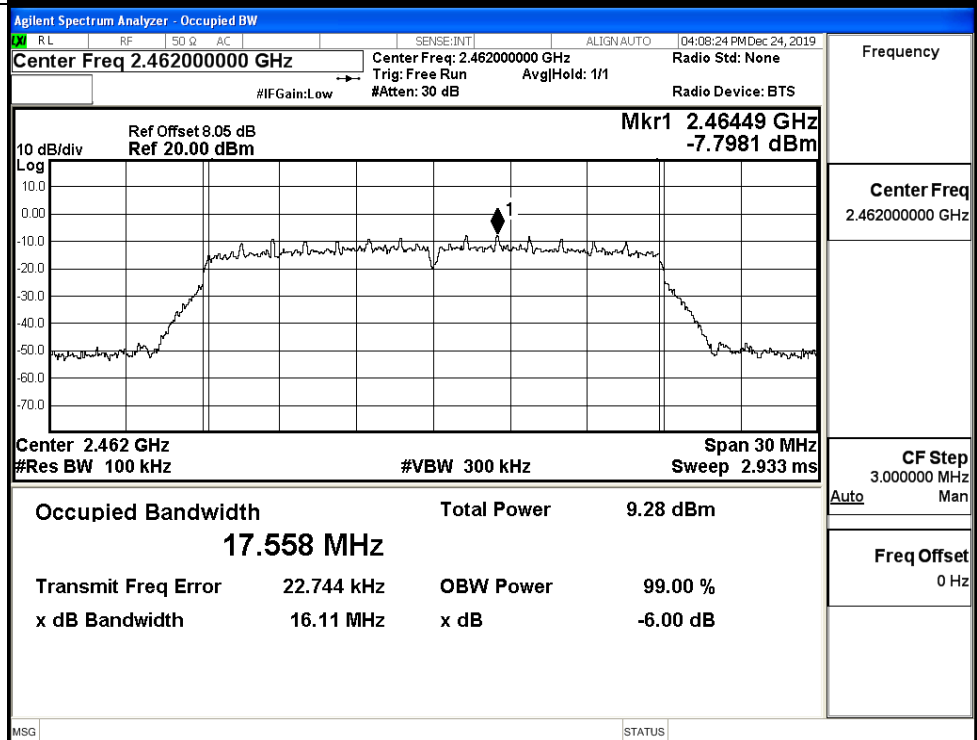
Frequency

Center Freq
2.41200000 GHzCF Step
3.000000 MHz
Auto ManFreq Offset
0 Hz

11N20SISO/MCH



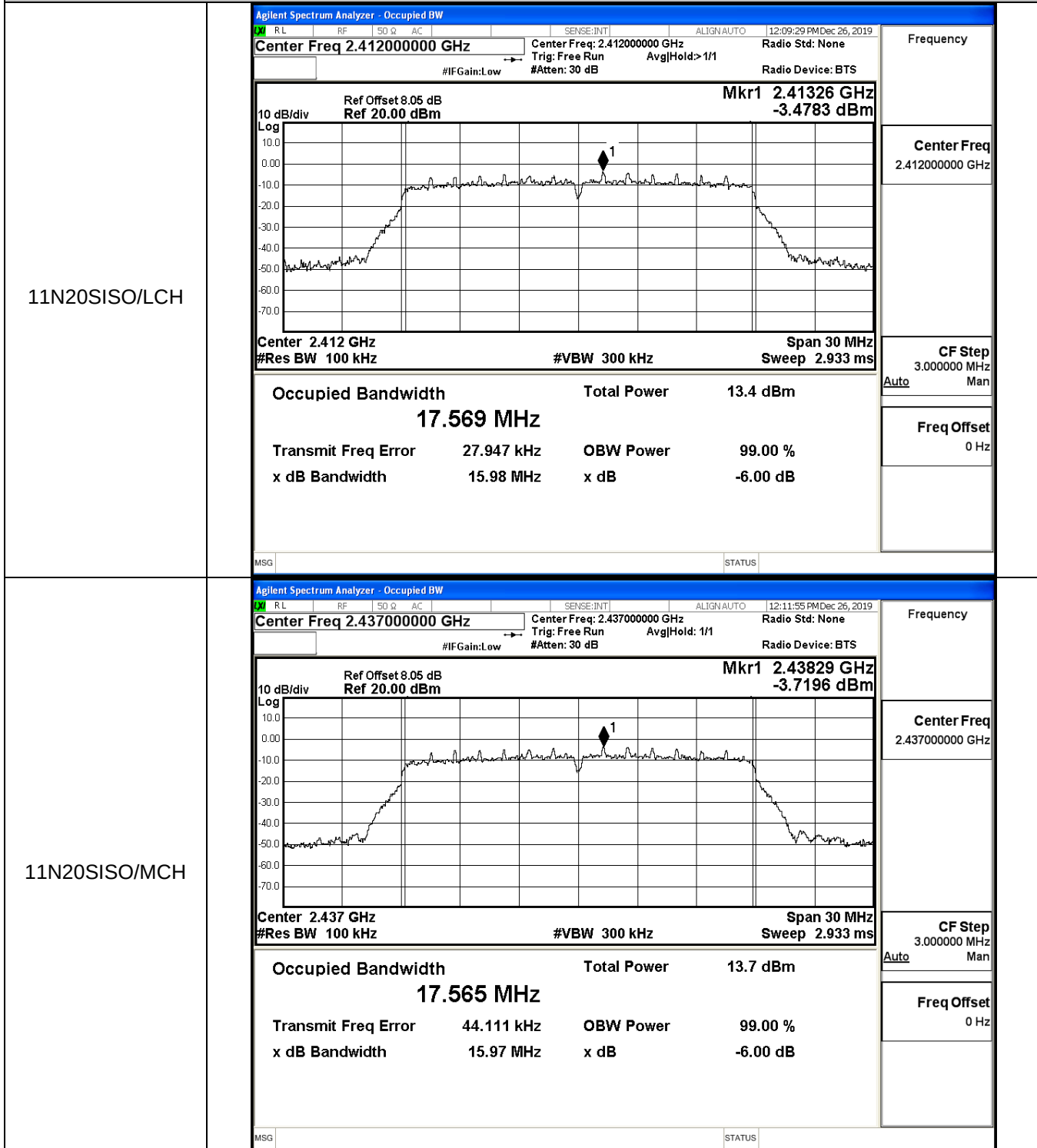
11N20SISO/HCH



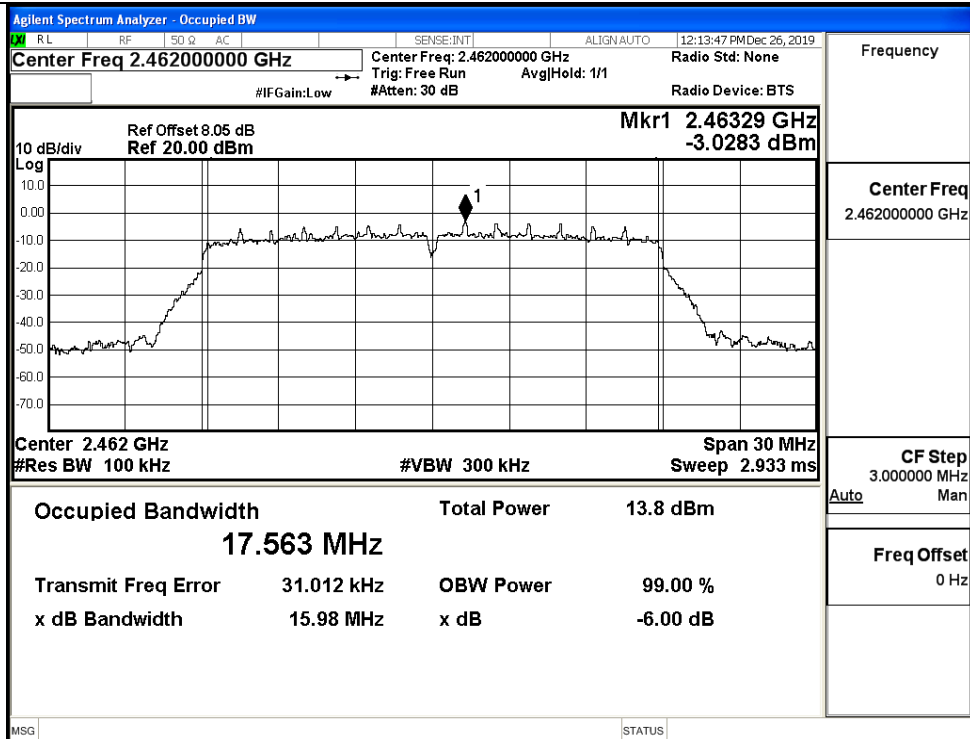
Ant0+1

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11N20SISO	LCH	15.98	≥ 0.5	PASS
	MCH	15.97	≥ 0.5	PASS
	HCH	15.98	≥ 0.5	PASS

Test Graphs



11N20SISO/HCH



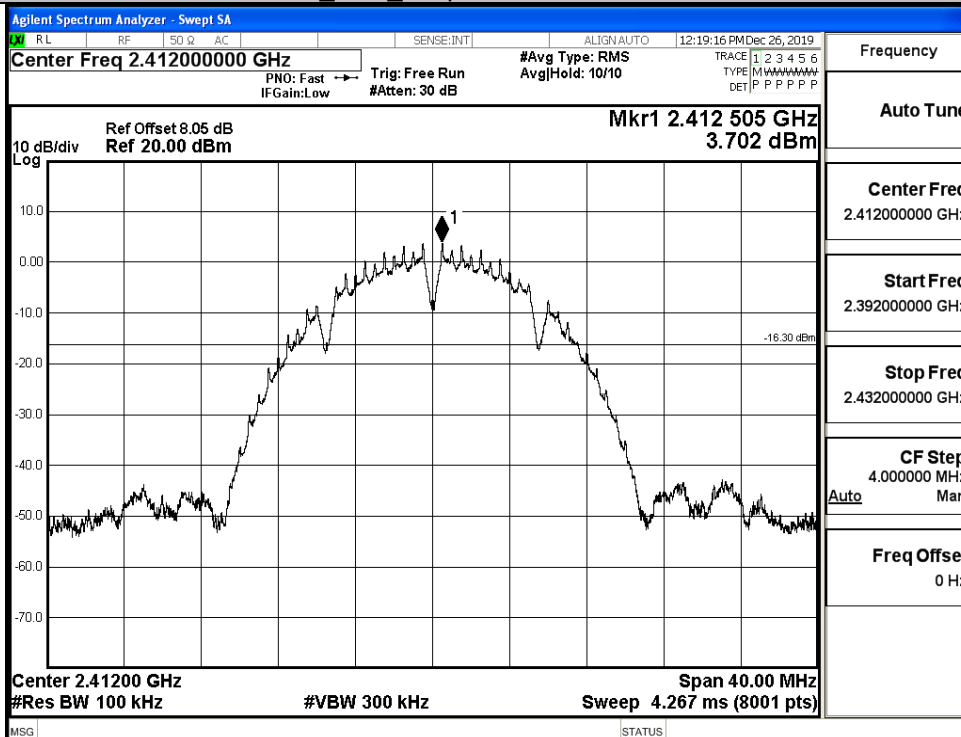
C.5 RF Conducted Spurious Emissions

Ant0

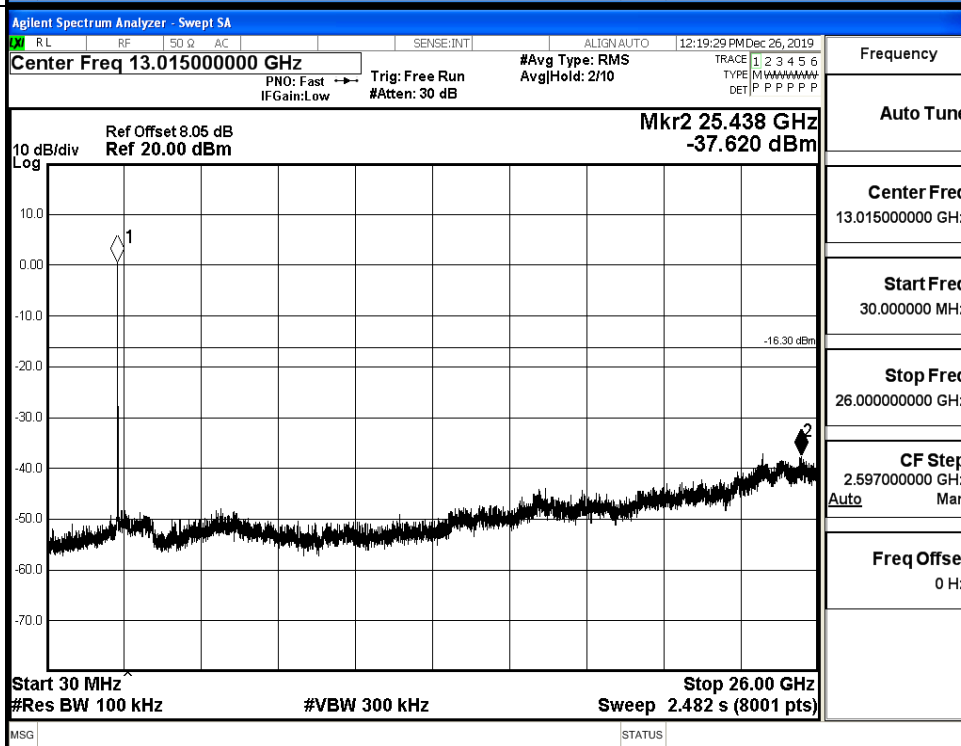
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	3.702	-37.620	-16.298	PASS
	MCH	3.739	-36.295	-16.261	PASS
	HCH	4.306	-37.526	-15.694	PASS
11G	LCH	-4.847	-37.162	-24.847	PASS
	MCH	-4.379	-36.961	-24.379	PASS
	HCH	-4.262	-36.812	-24.262	PASS
11N20 SISO	LCH	-5.966	-37.439	-25.966	PASS
	MCH	-5.347	-37.115	-25.347	PASS
	HCH	-5.05	-37.320	-25.050	PASS

11B LCH Graphs

Pref/11B/LCH

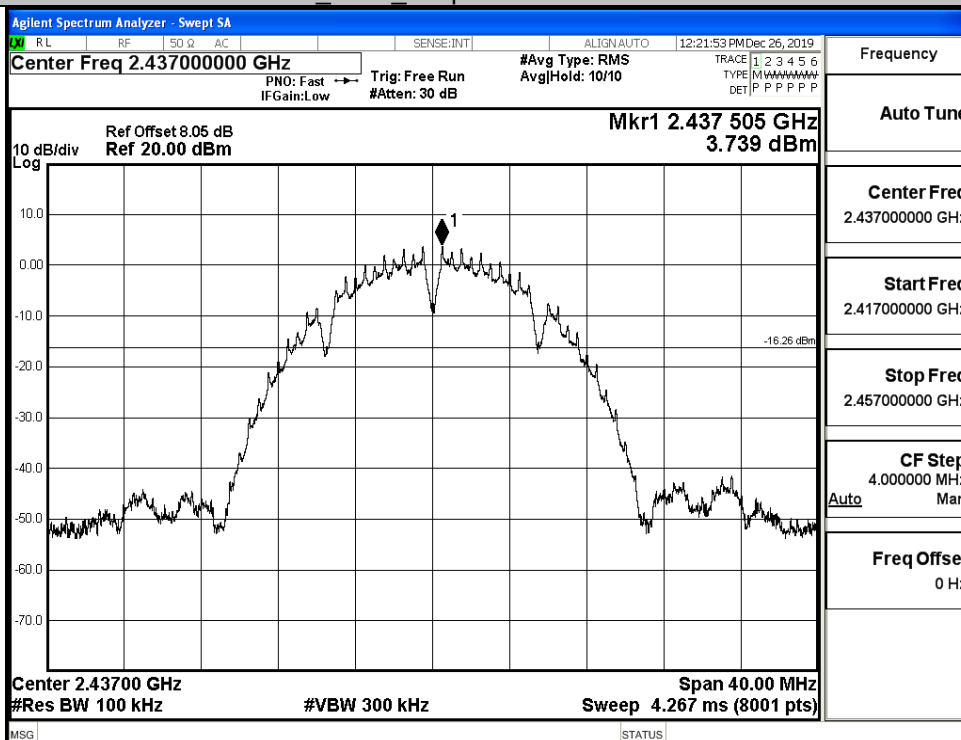


Puw/11B/LCH

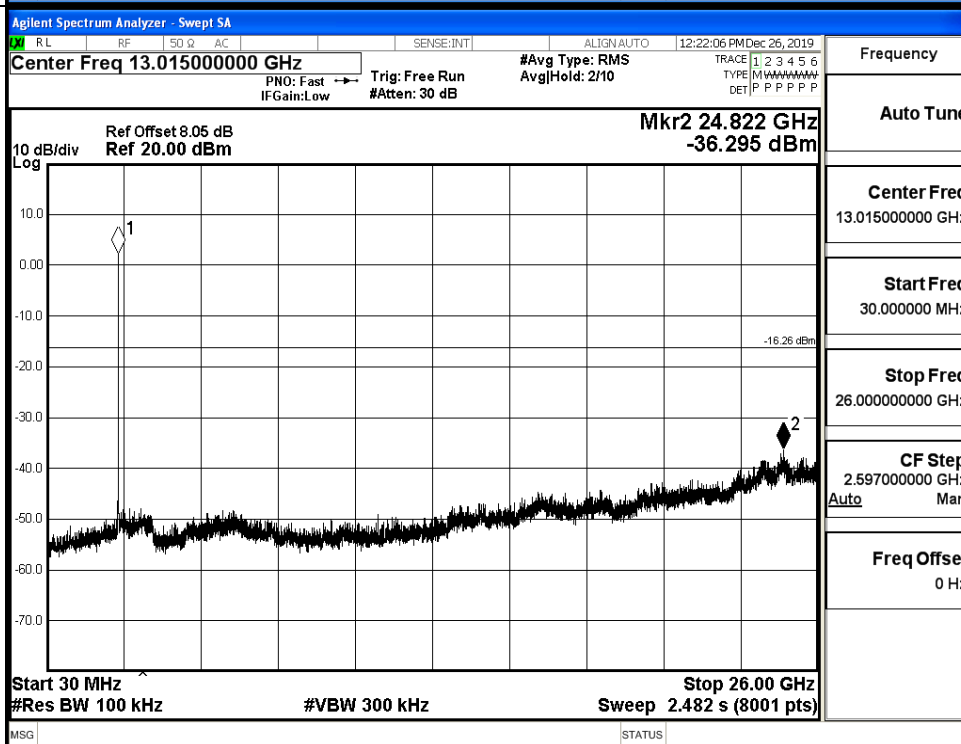


11B MCH Graphs

Pref/11B/MCH

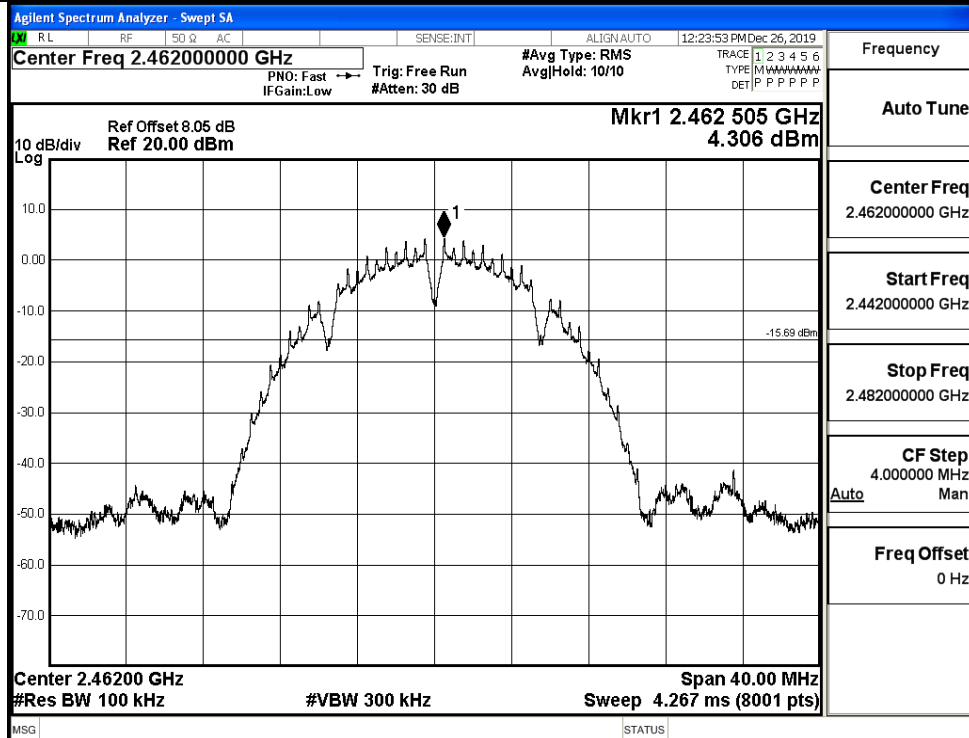


Puw/11B/MCH

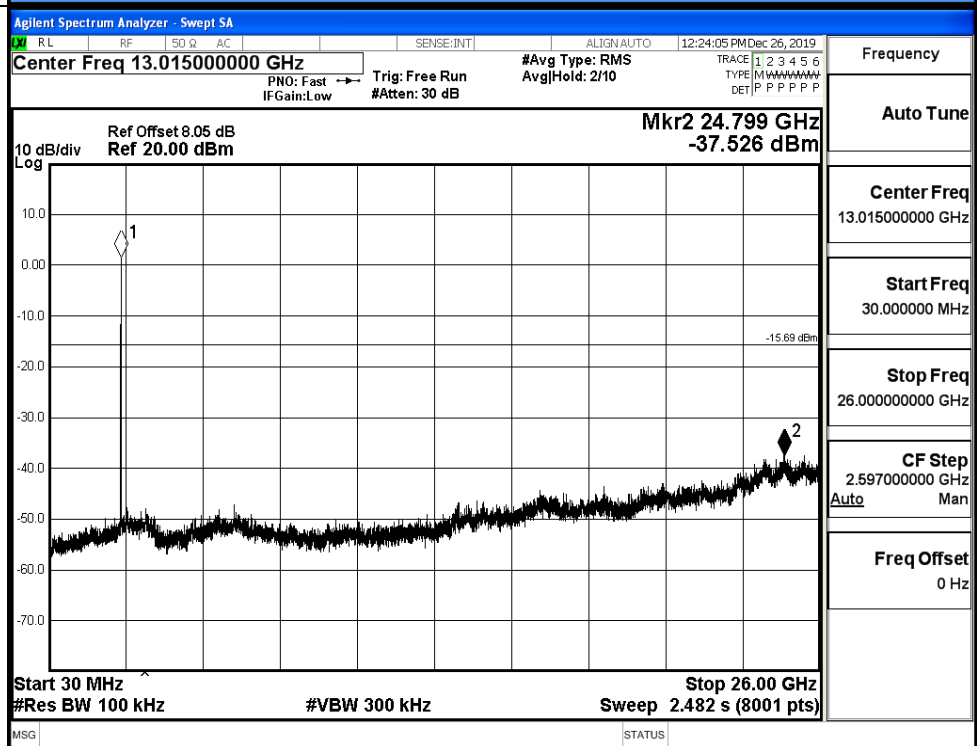


11B HCH Graphs

Pref/11B/HCH

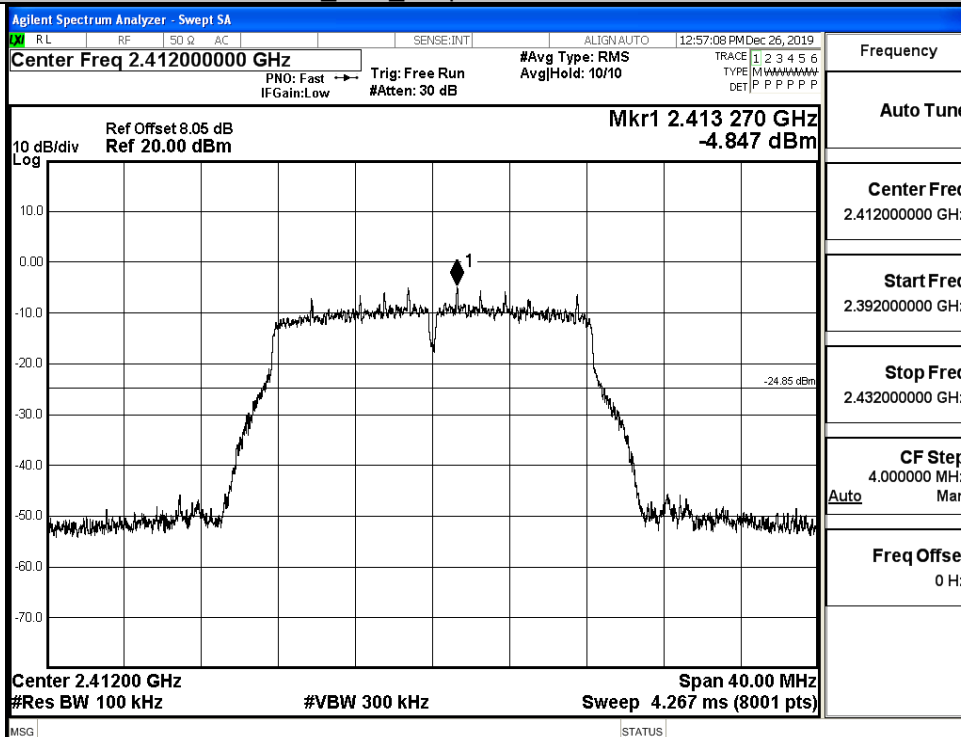


Puw/11B/HCH

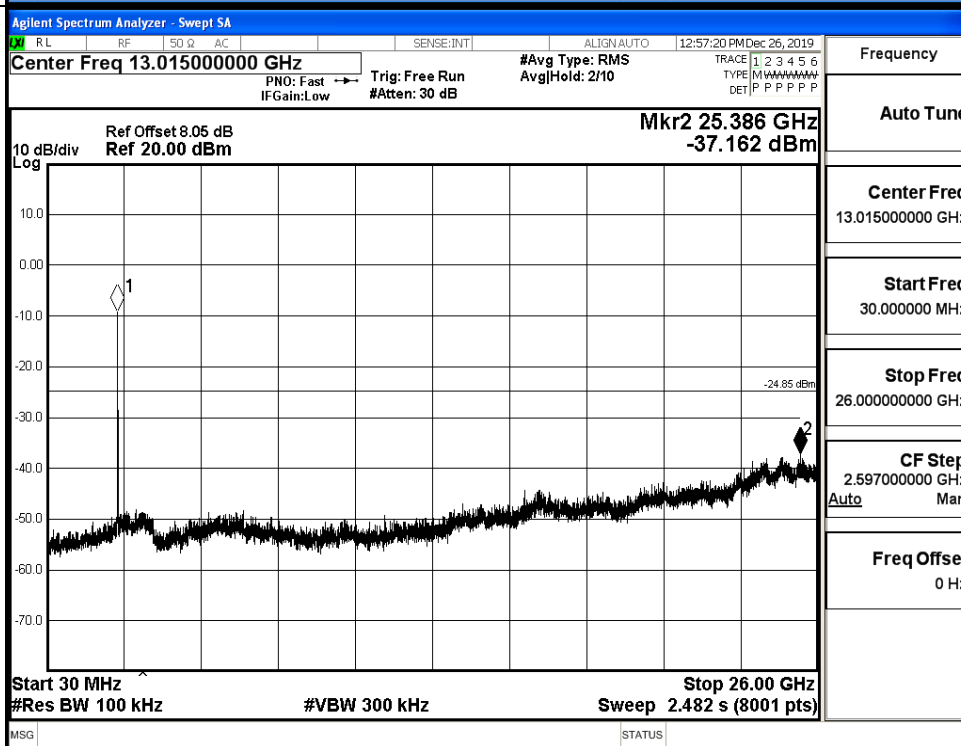


11G LCH Graphs

Pref/11G/LCH

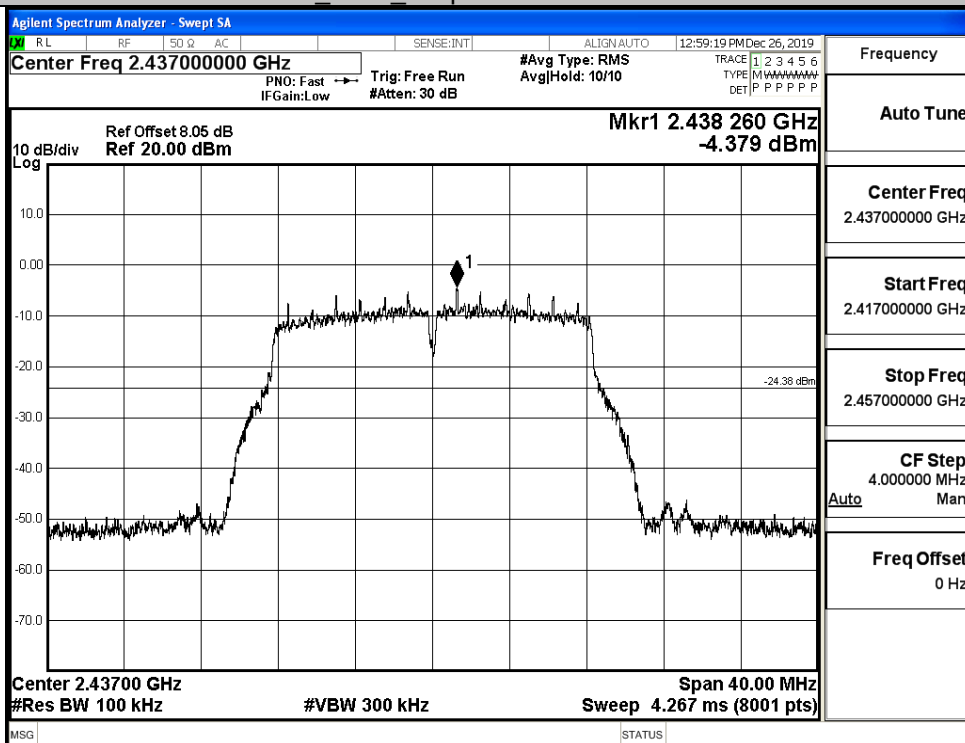


Puw/11G/LCH

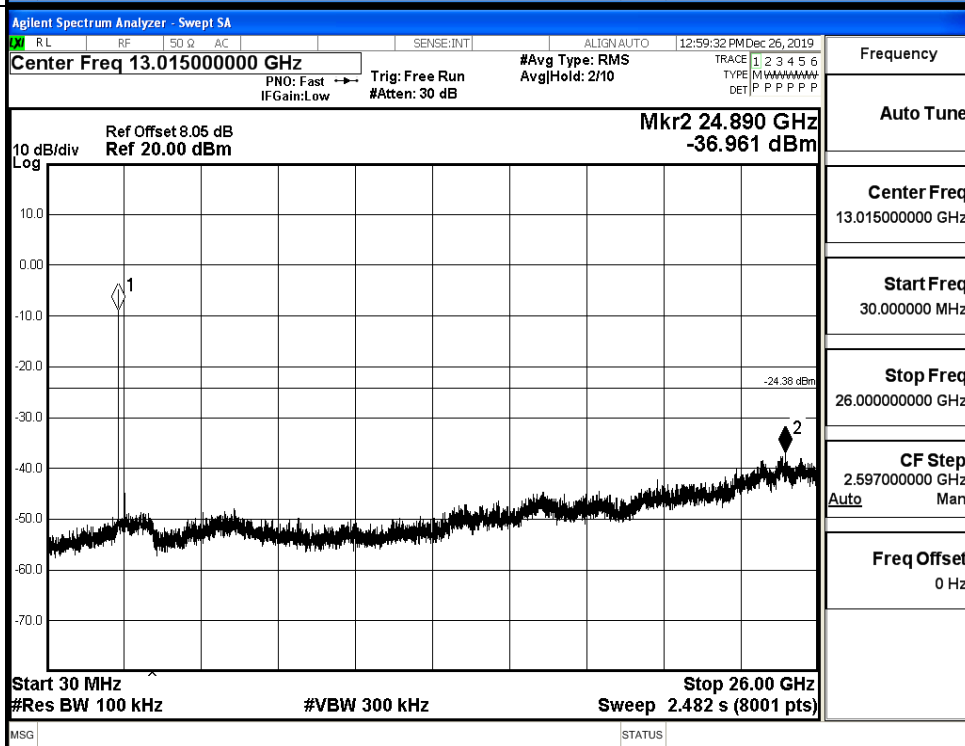


11G MCH Graphs

Pref/11G/MCH

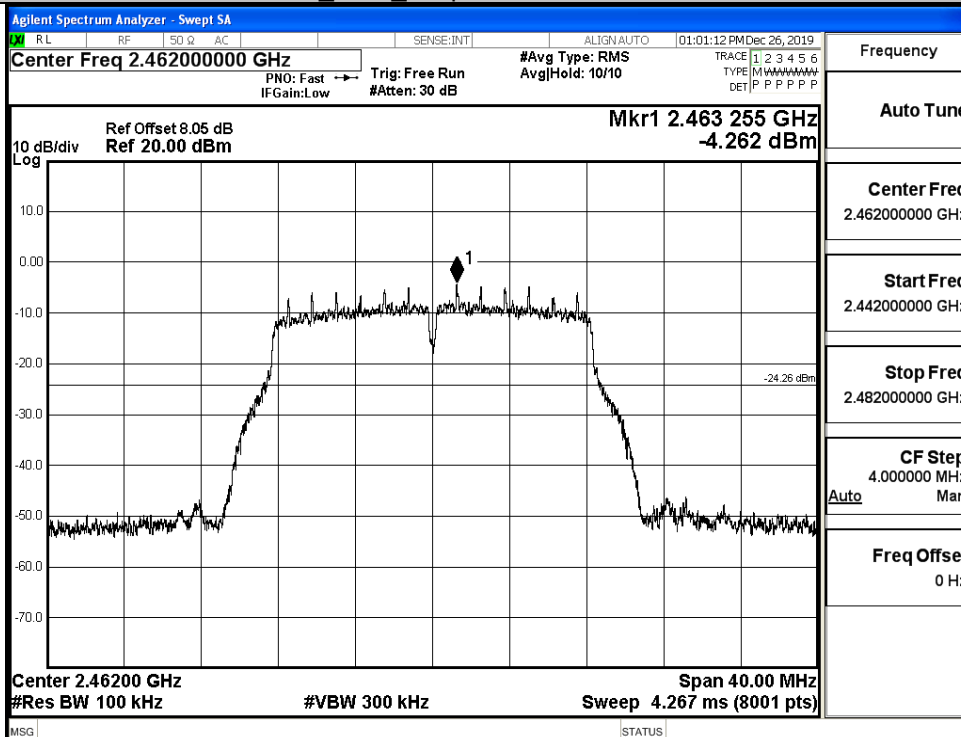


Puw/11G/MCH

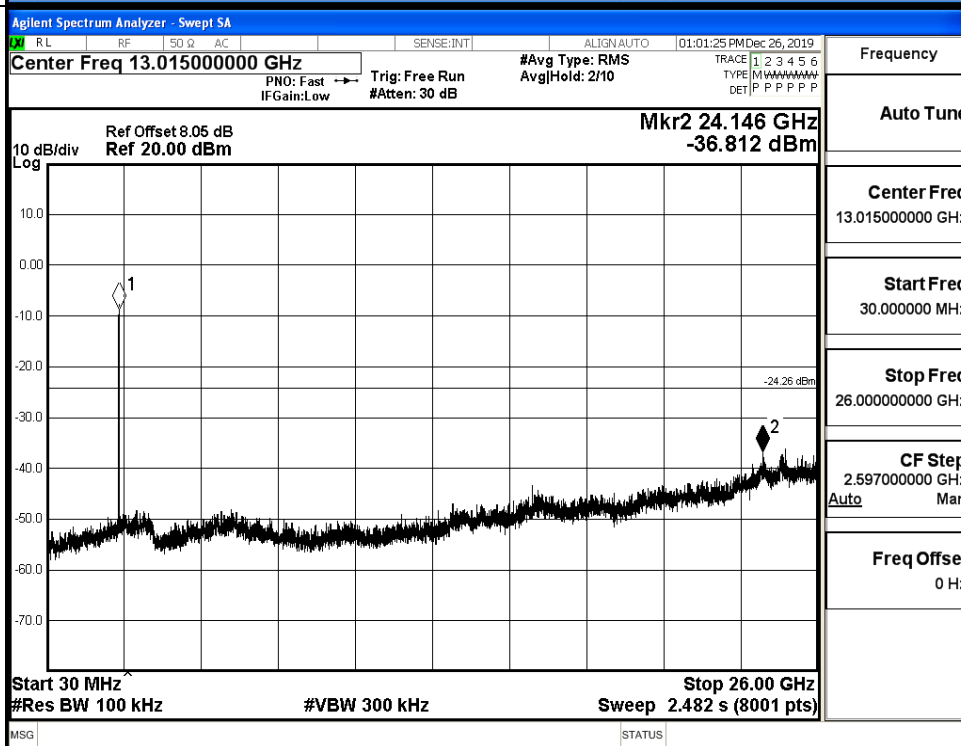


11G HCH Graphs

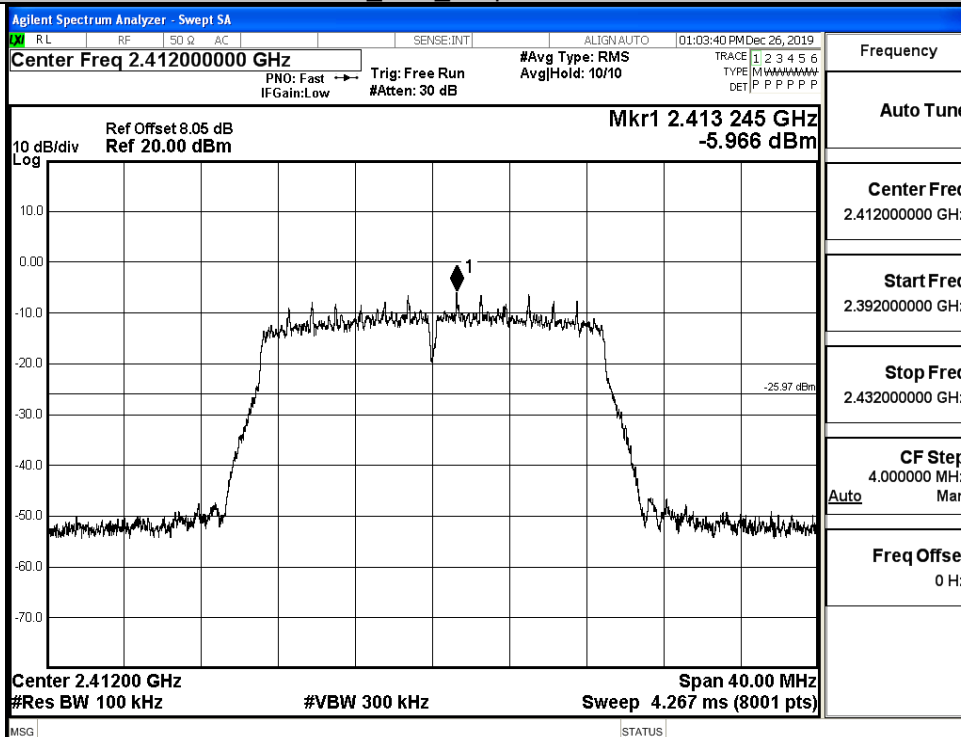
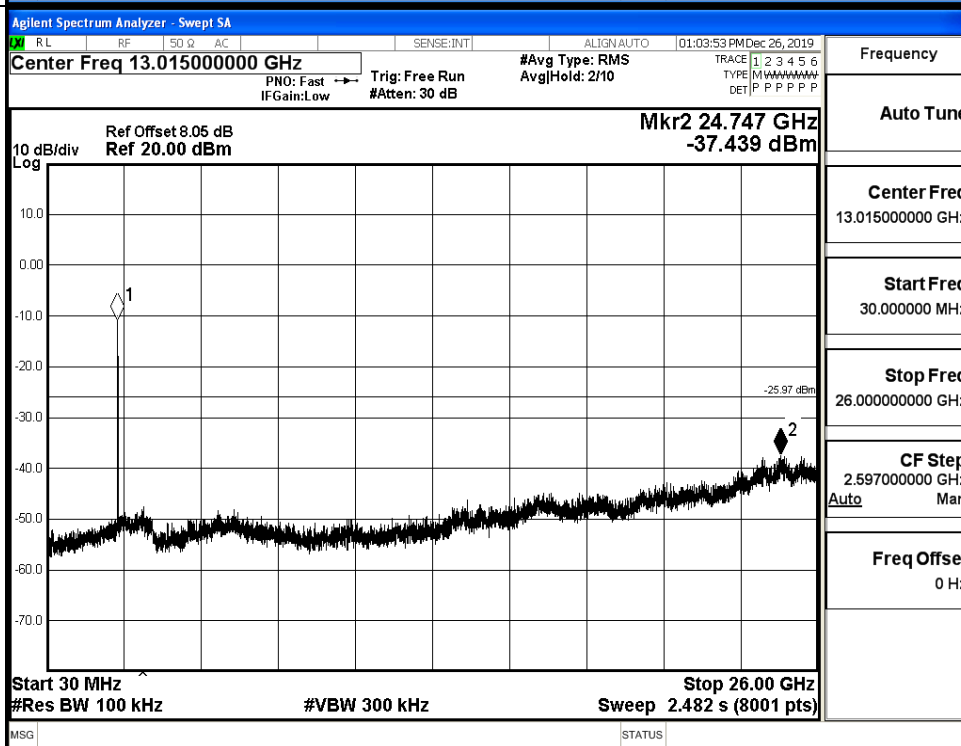
Pref/11G/HCH



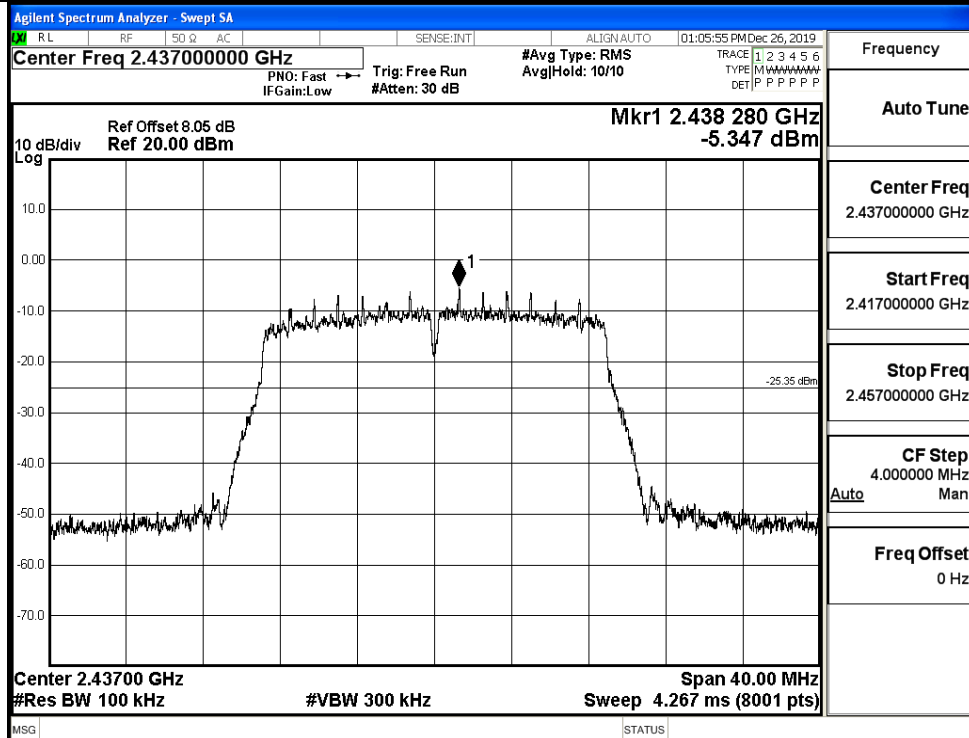
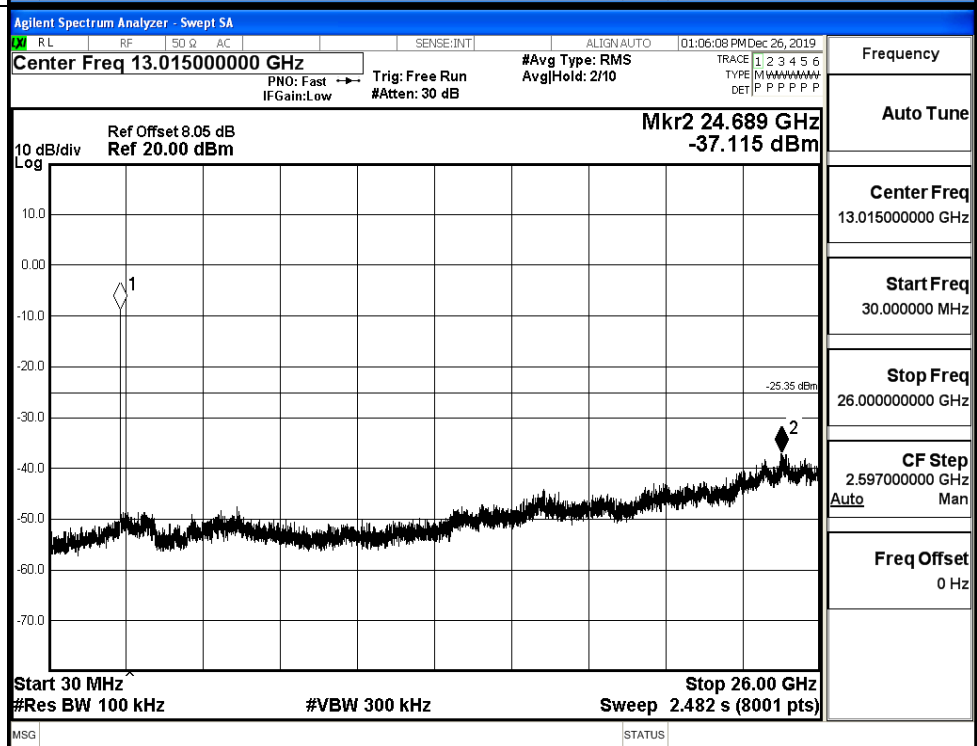
Puw/11G/HCH



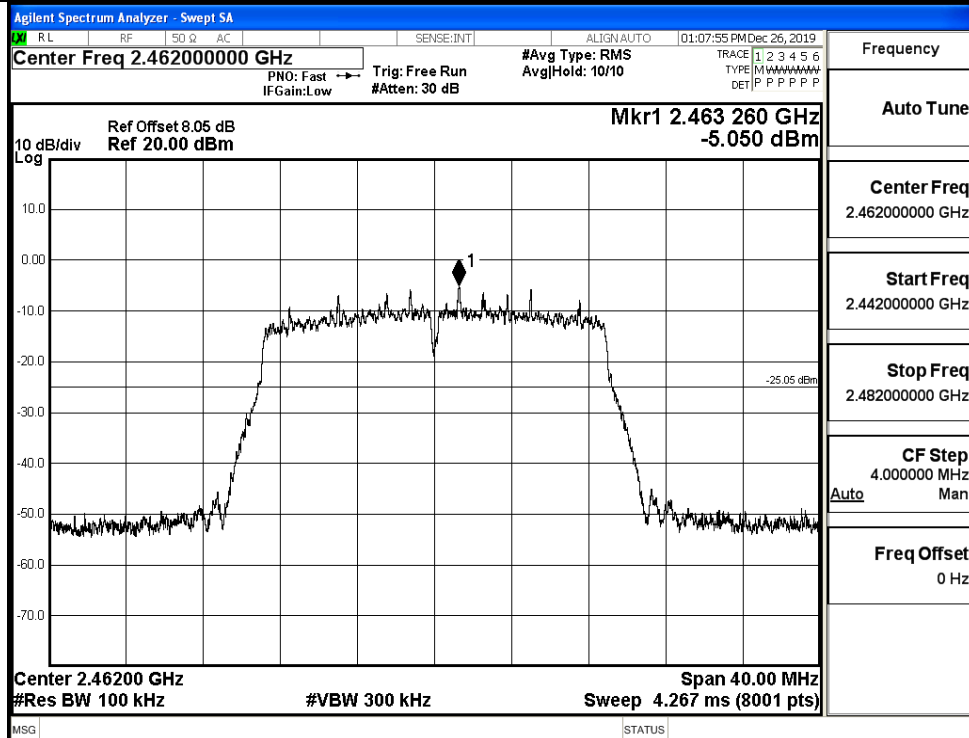
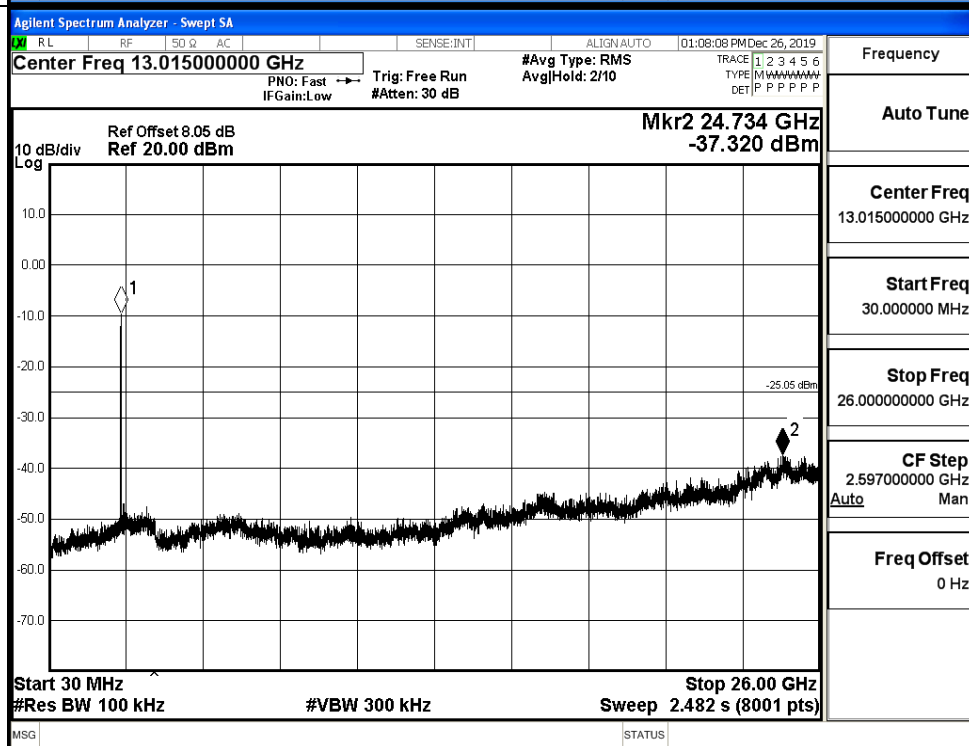
11N20SISO LCH Graphs

Pref/11N20SIS
O/LCHPuw/11N20
SISO/LCH

11N20SISO_MCH_Graphs

Pref/11N20
SISO/MCHPuw/11N20
SISO/MCH

11N20SISO HCH Graphs

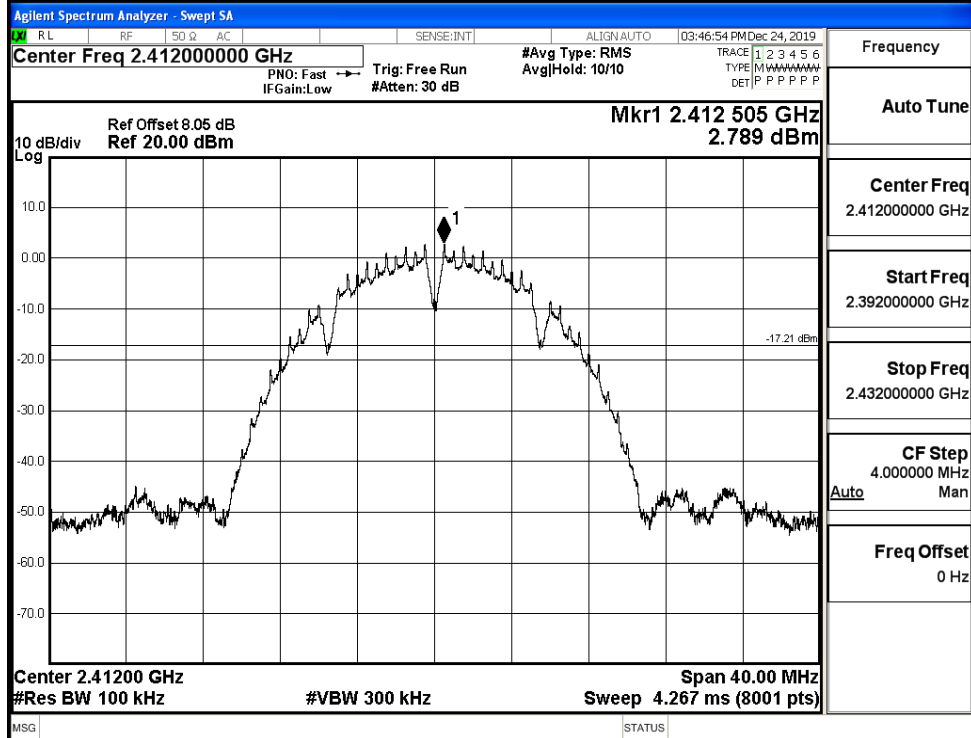
Pref/11N20
SISO/HCHPuw/11N20
SISO/HCH

Ant1

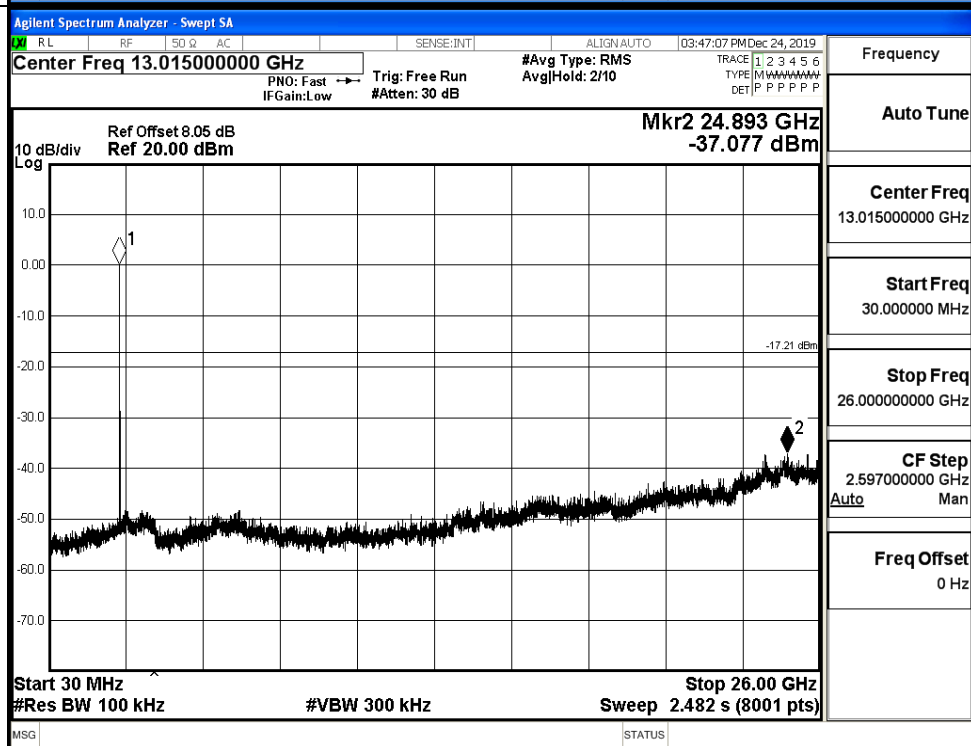
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	2.789	-37.077	-17.211	PASS
	MCH	2.797	-37.854	-17.203	PASS
	HCH	1.945	-37.183	-18.055	PASS
11G	LCH	-5.783	-37.971	-25.783	PASS
	MCH	-5.903	-37.033	-25.903	PASS
	HCH	-7.032	-37.746	-27.032	PASS
11N20 SISO	LCH	-7.872	-37.364	-27.872	PASS
	MCH	-8.661	-37.820	-28.661	PASS
	HCH	-7.463	-37.681	-27.463	PASS

11B LCH Graphs

Pref/11B/LCH

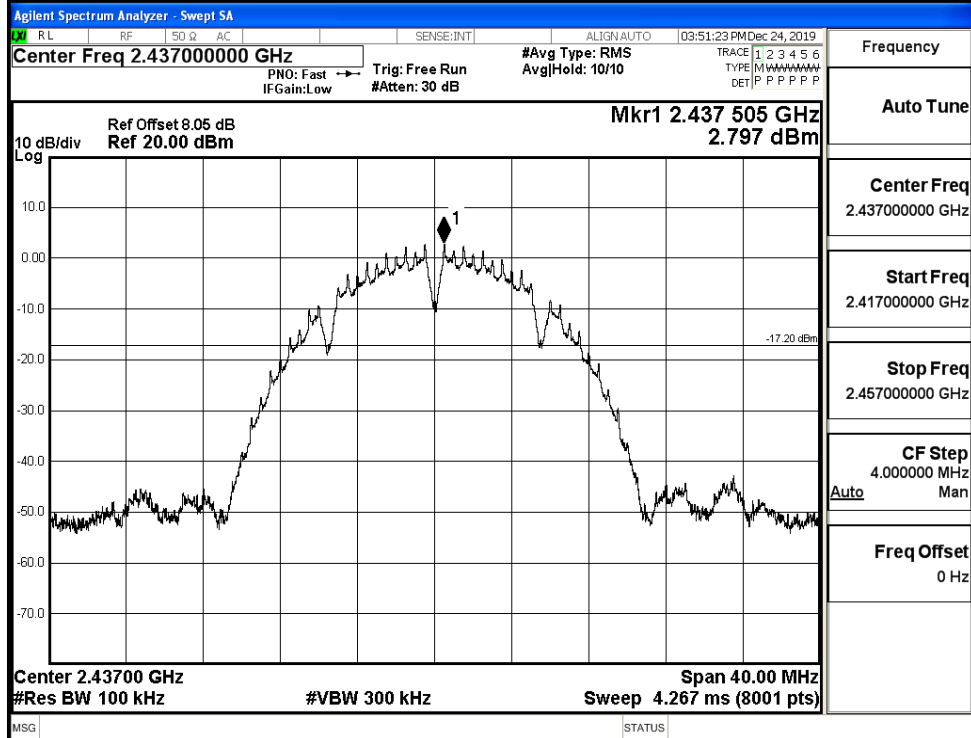


Puw/11B/LCH

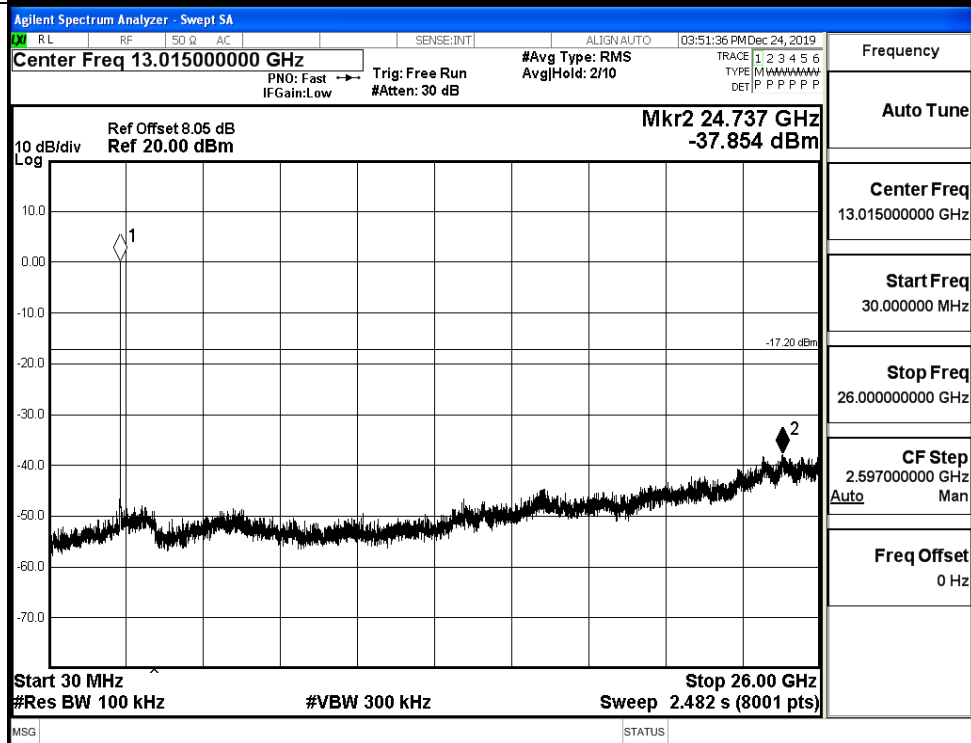


11B MCH Graphs

Pref/11B/MCH

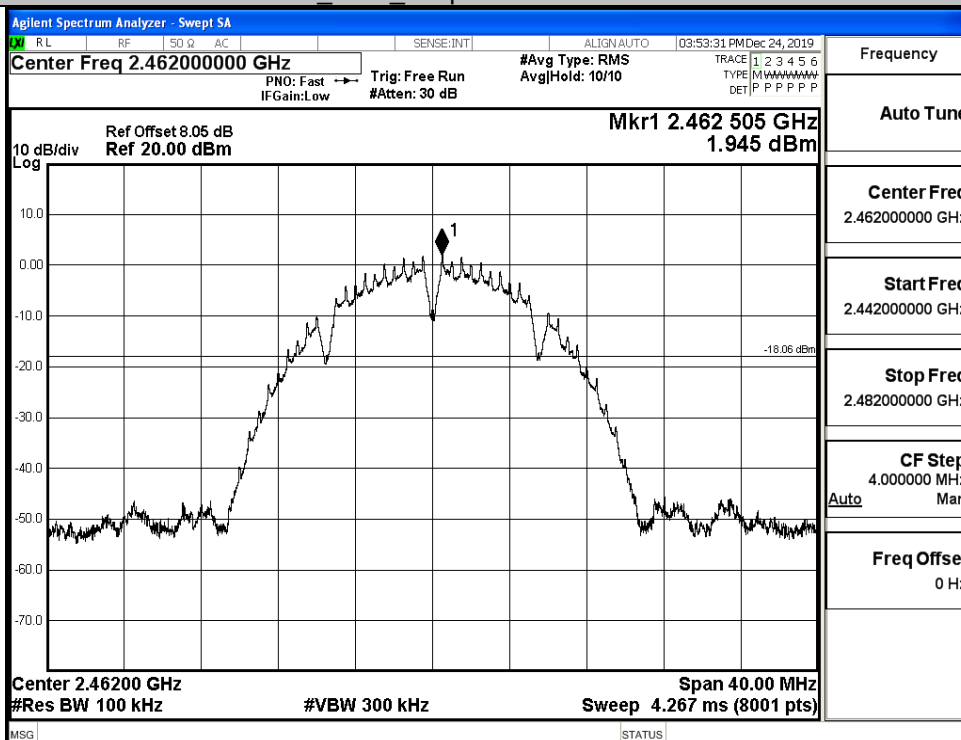


Puw/11B/MCH

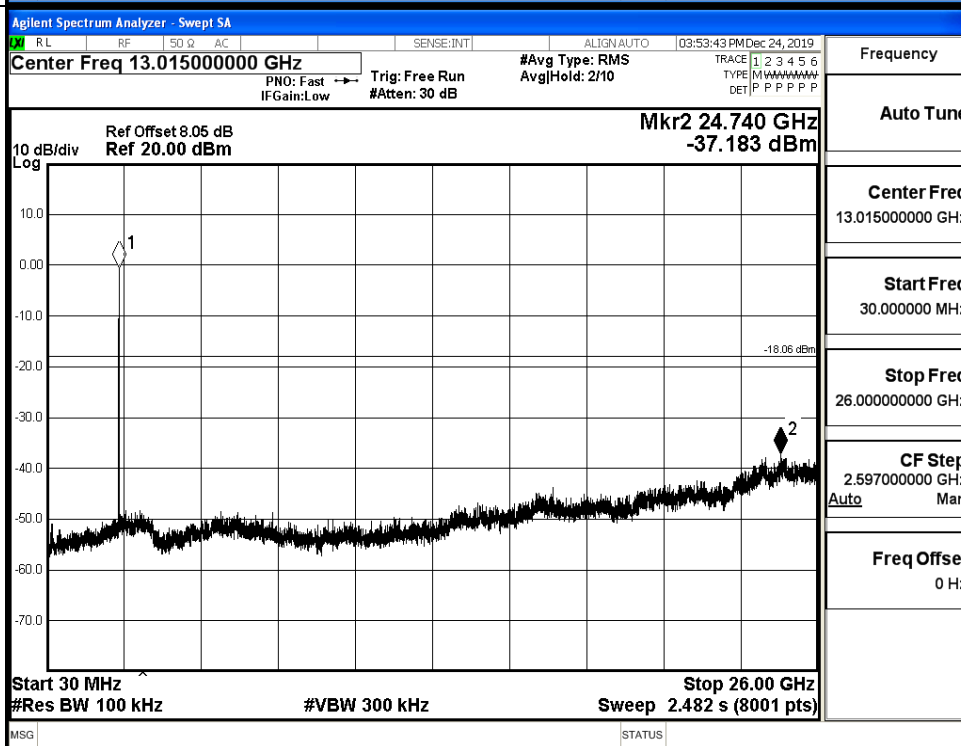


11B HCH Graphs

Pref/11B/HCH

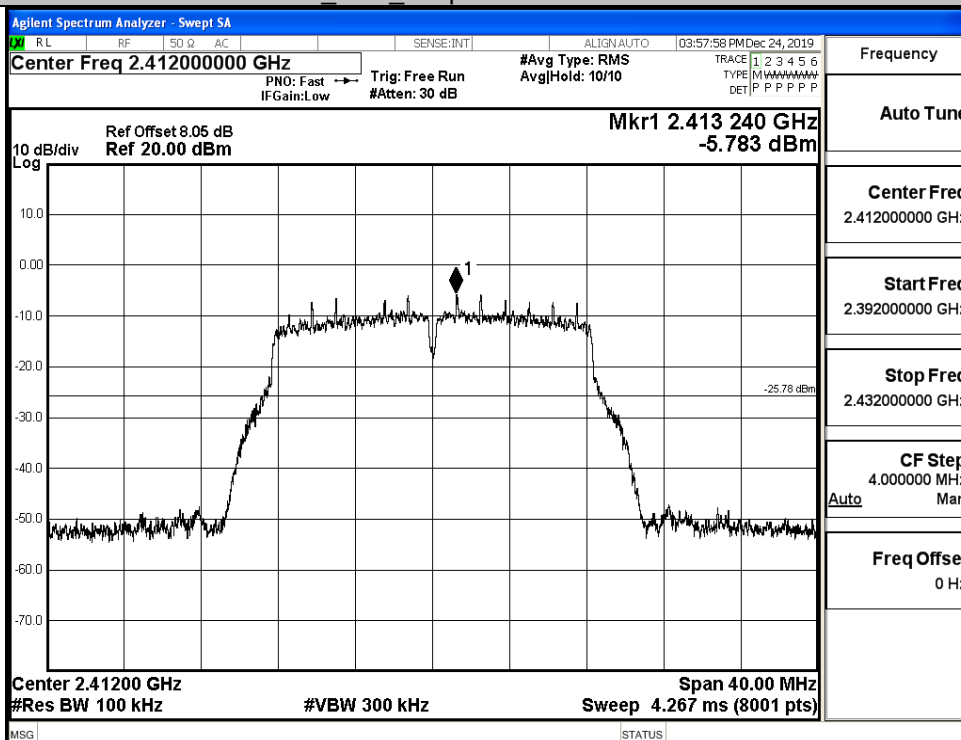


Puw/11B/HCH

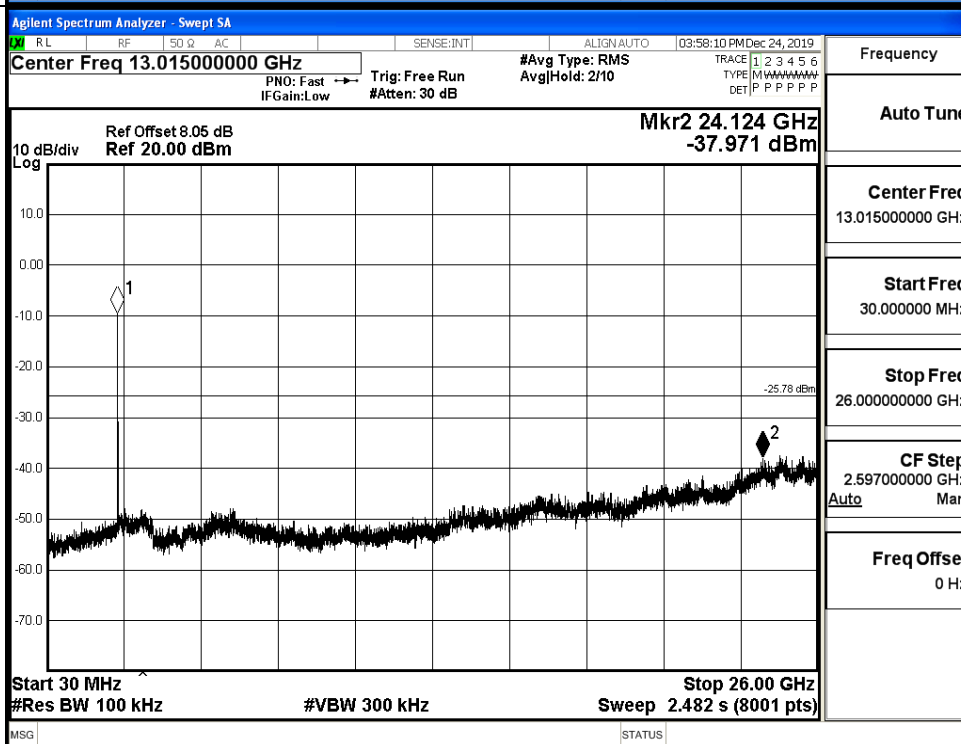


11G LCH Graphs

Pref/11G/LCH

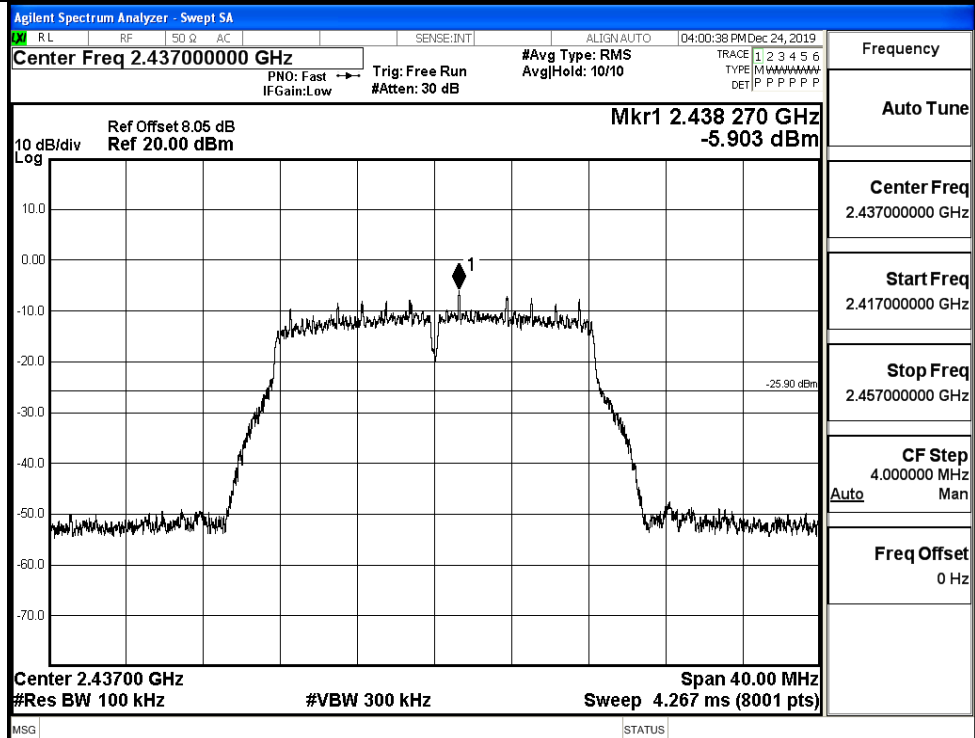


Puw/11G/LCH

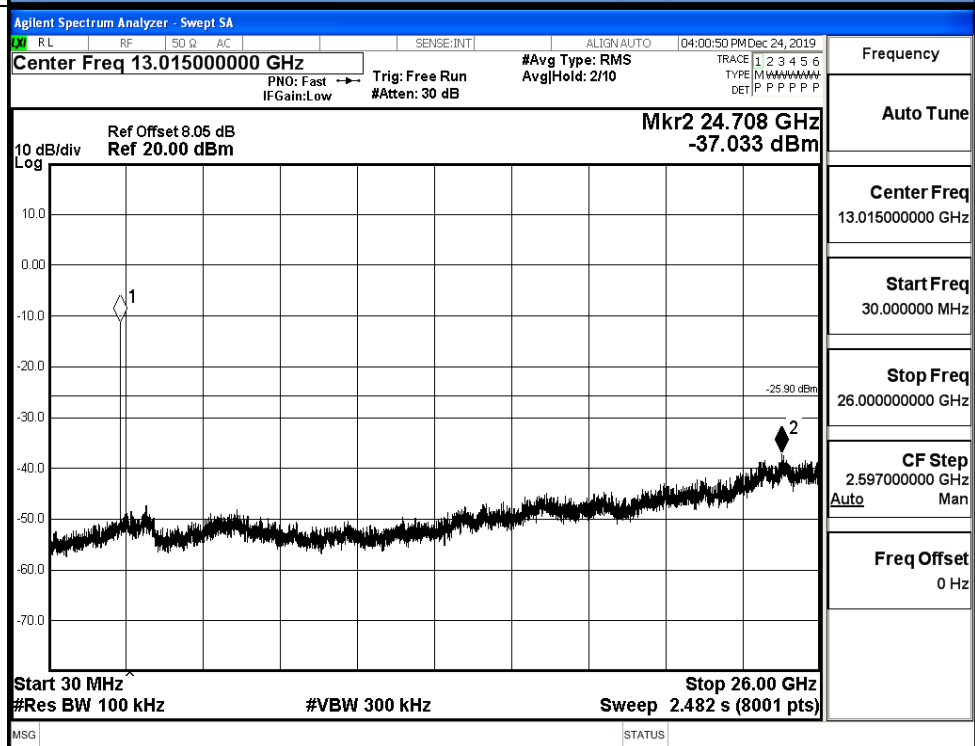


11G MCH Graphs

Pref/11G/MCH

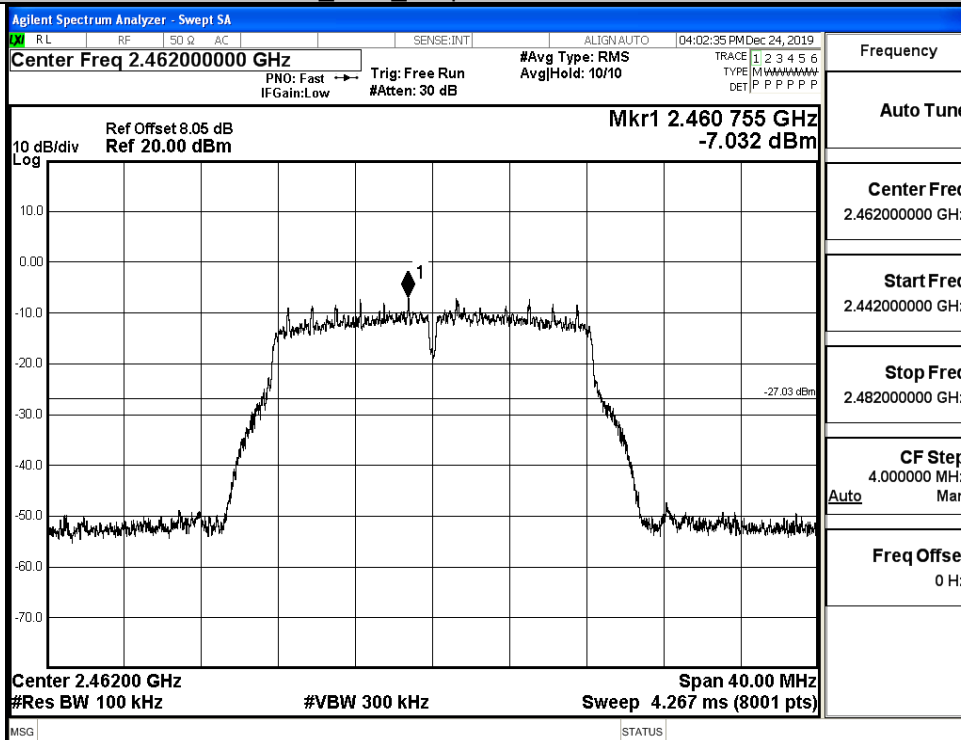


Puw/11G/MCH

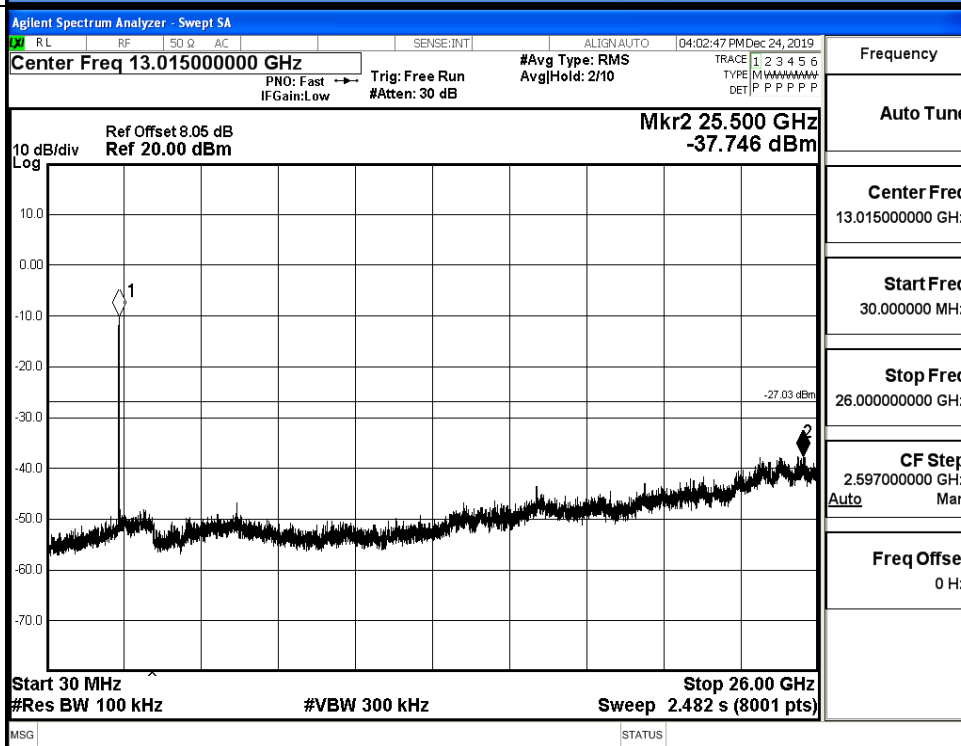


11G HCH Graphs

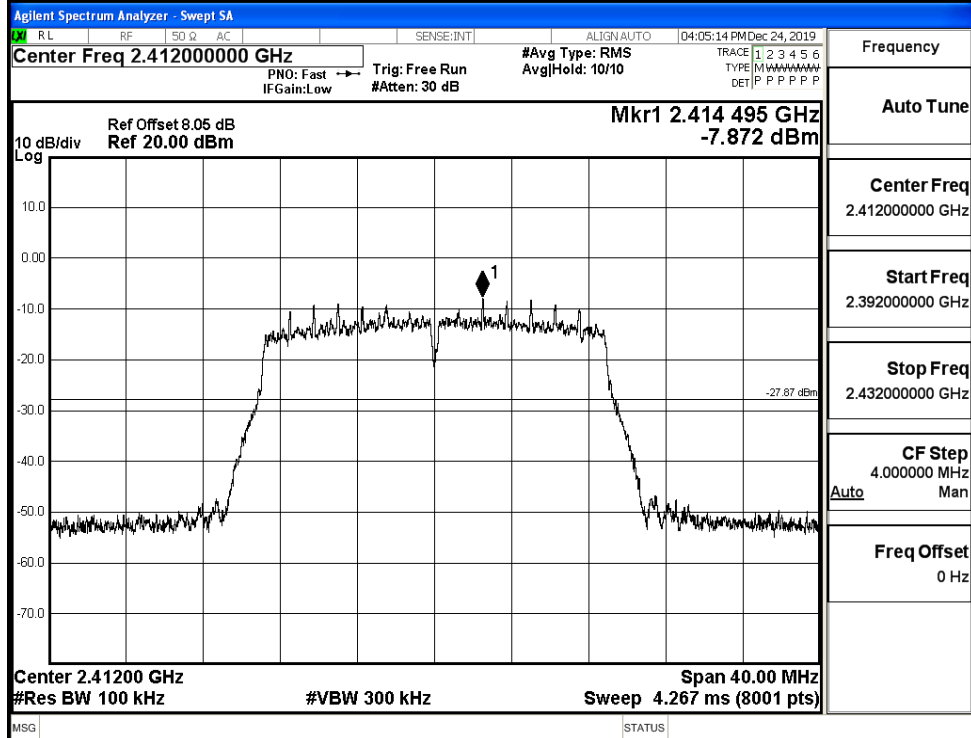
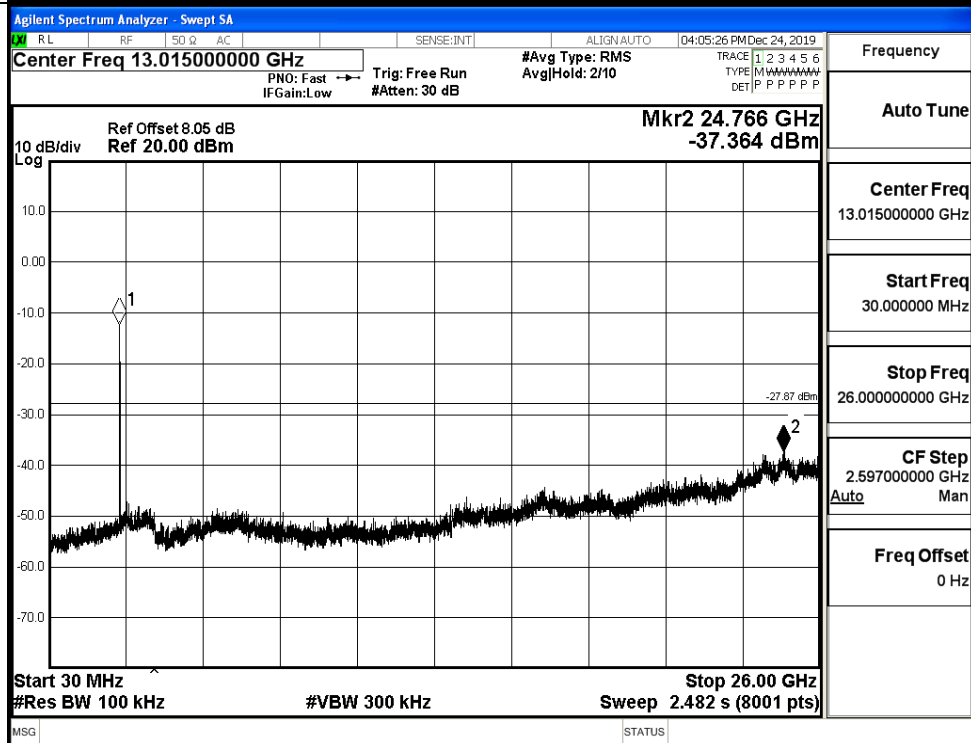
Pref/11G/HCH



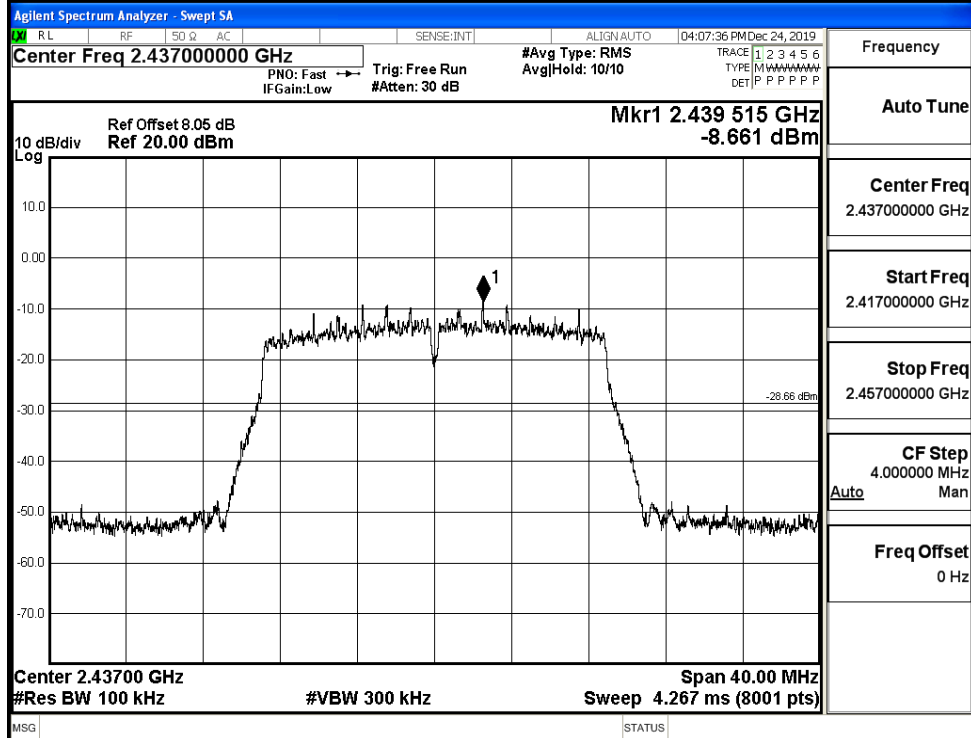
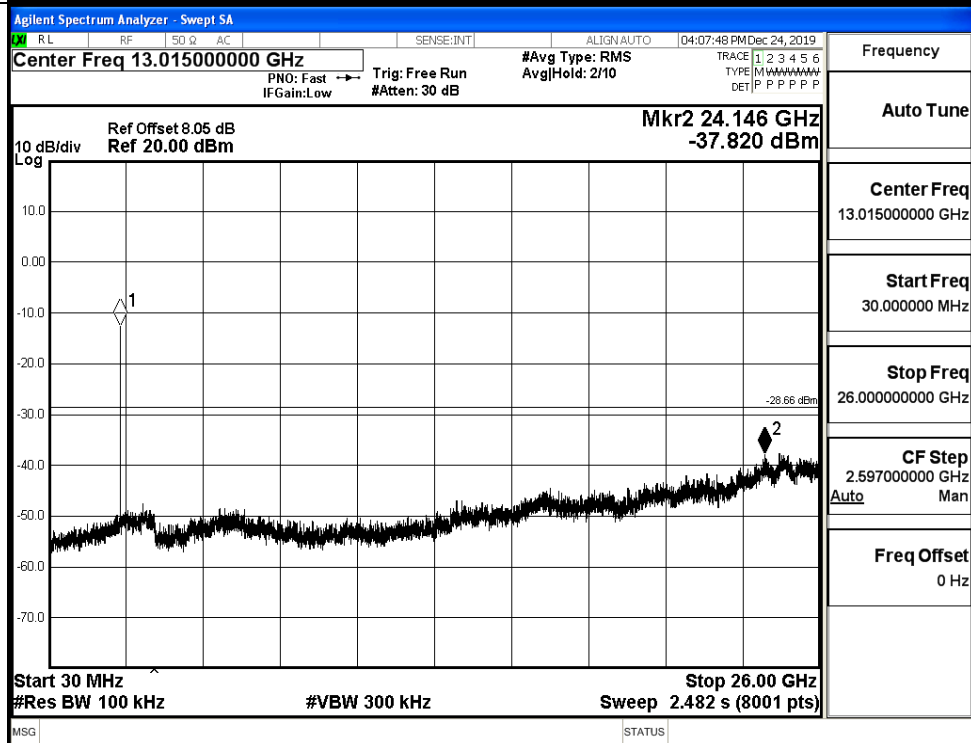
Puw/11G/HCH



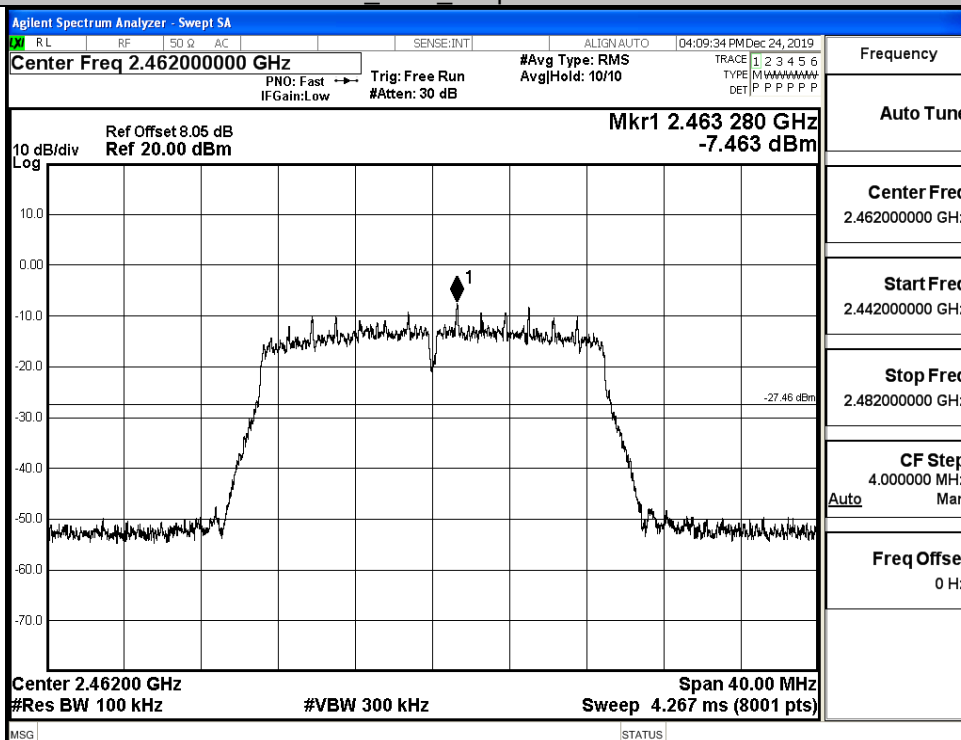
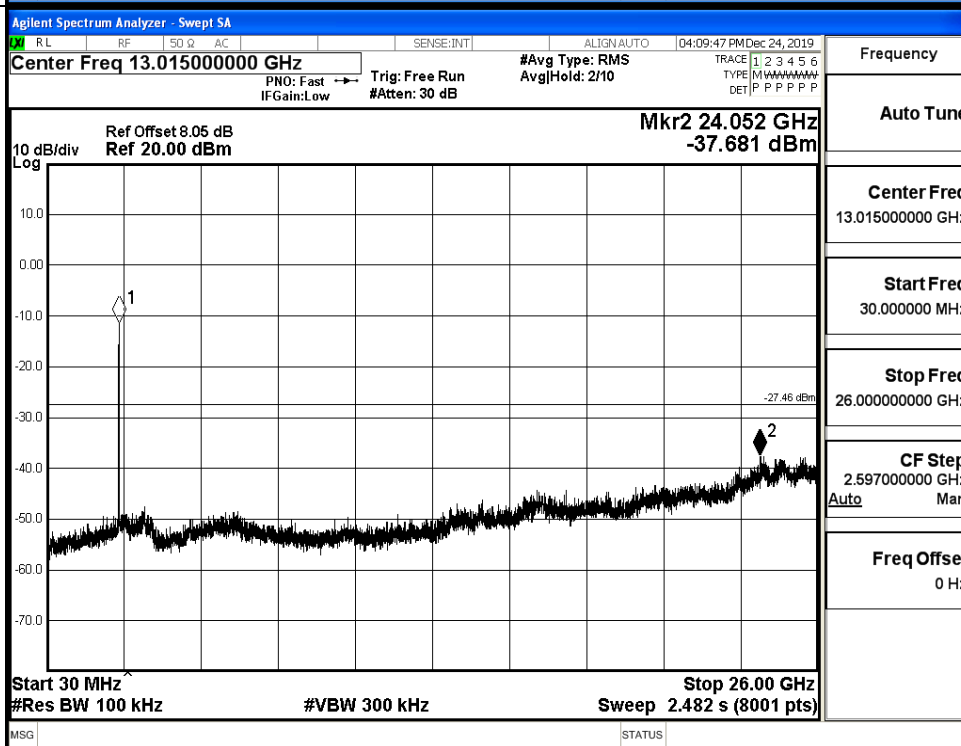
11N20SISO LCH Graphs

Pref/11N20SIS
O/LCHPuw/11N20
SISO/LCH

11N20SISO_MCH_Graphs

Pref/11N20
SISO/MCHPuw/11N20
SISO/MCH

11N20SISO HCH Graphs

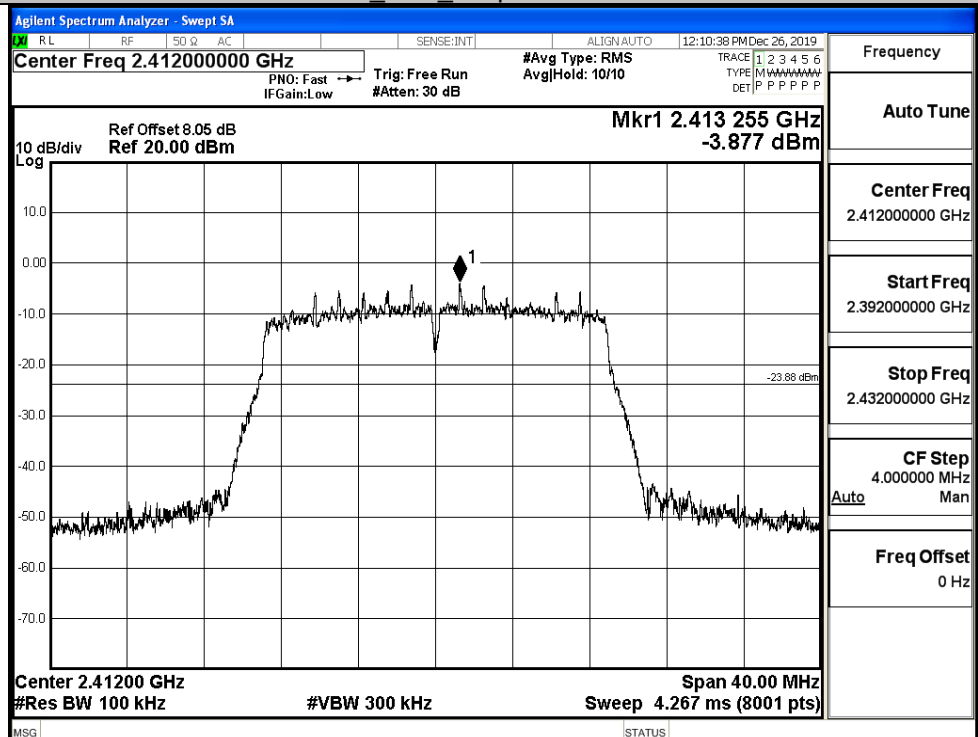
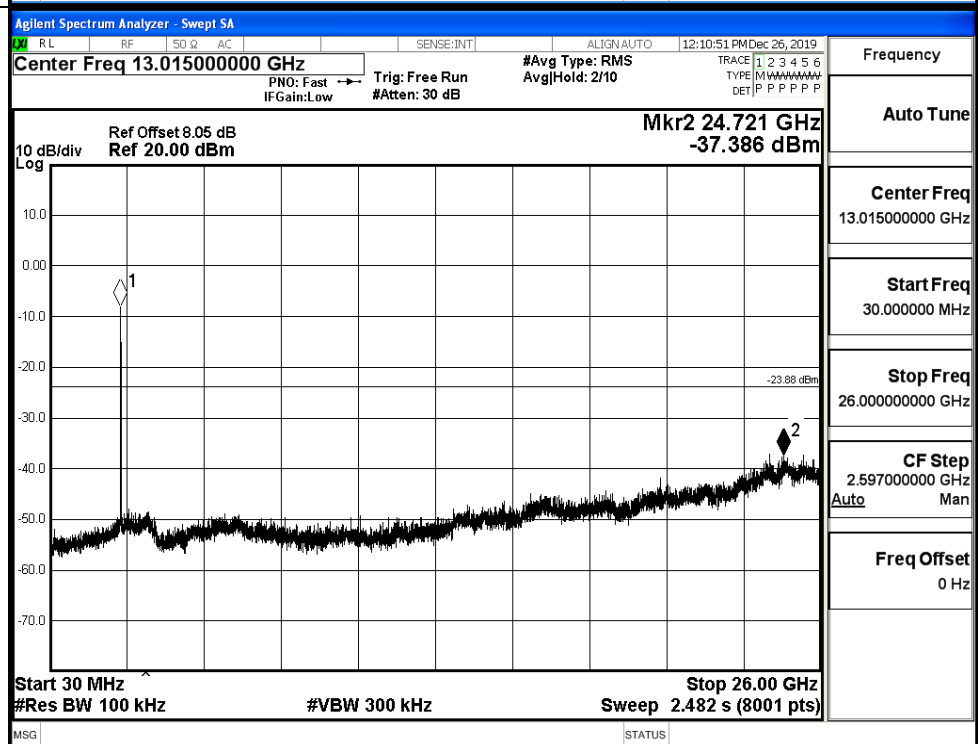
Pref/11N20
SISO/HCHPuw/11N20
SISO/HCH

Ant0+1

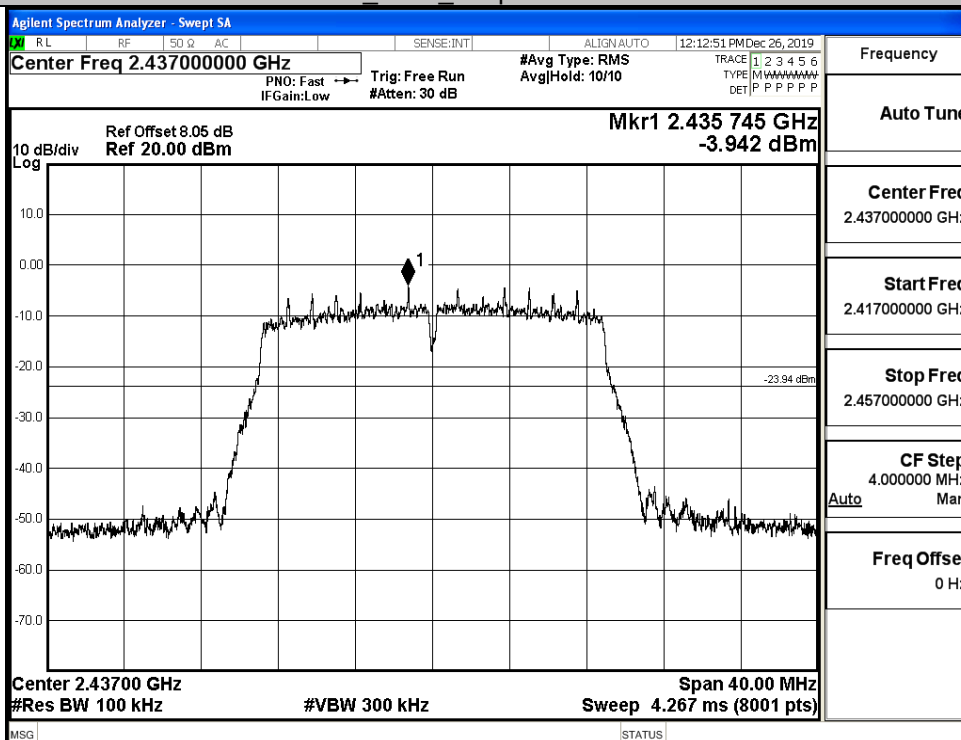
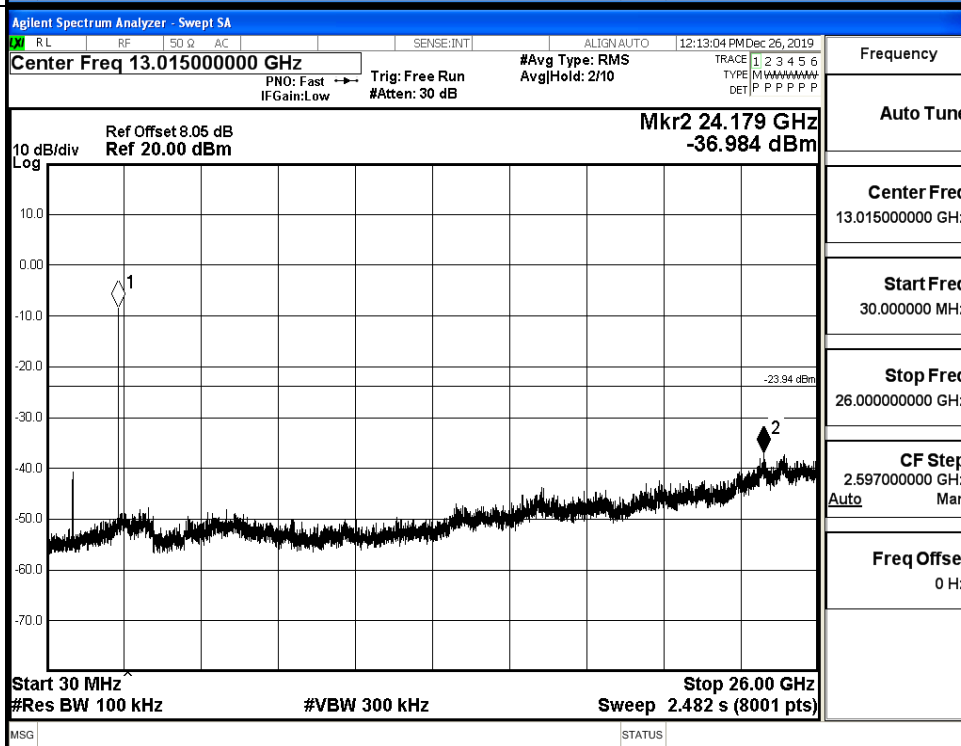
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11N20 SISO	LCH	-3.877	-37.386	-23.877	PASS
	MCH	-3.942	-36.984	-23.942	PASS
	HCH	-3.618	-36.829	-23.618	PASS

11N20SISO_LCH_Graphs

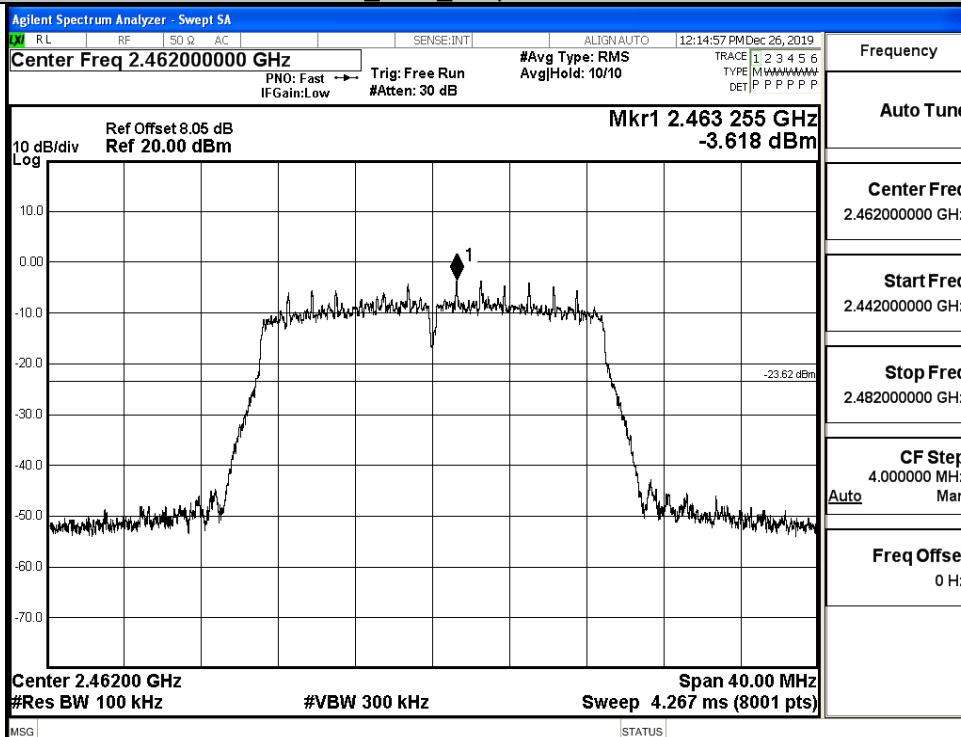
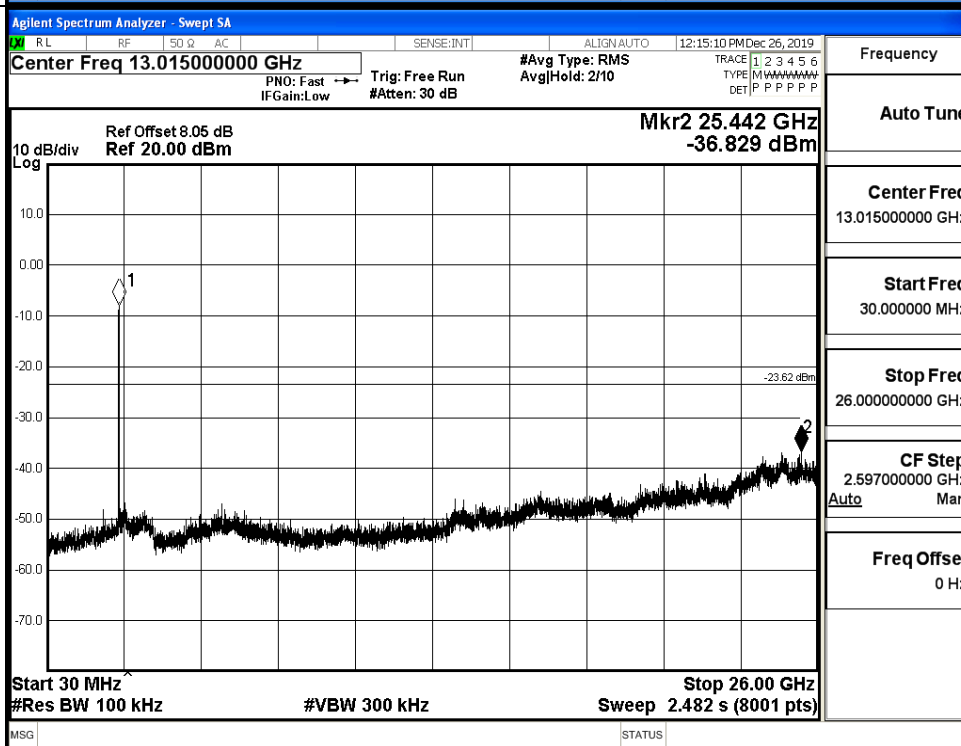
Pref/11N20SISO/LCH

Puw/11N20
SISO/LCH

11N20SISO_MCH_Graphs

Pref/11N20
SISO/MCHPuw/11N20
SISO/MCH

11N20SISO HCH Graphs

Pref/11N20
SISO/HCHPuw/11N20
SISO/HCH

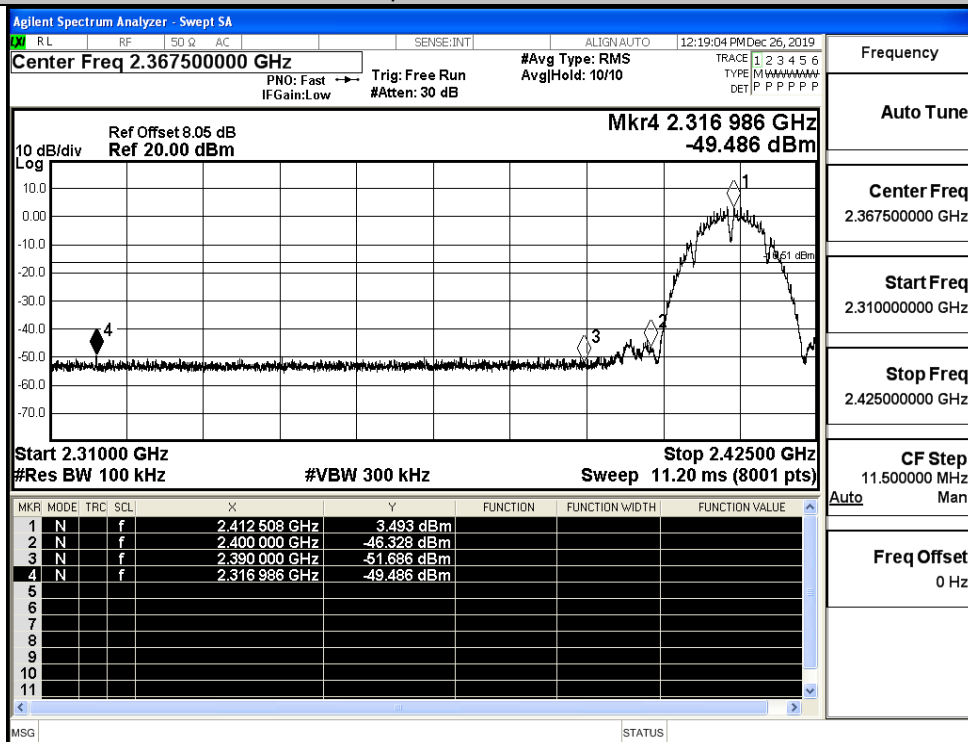
C.6 Band-edge for RF Conducted Emissions

Ant0

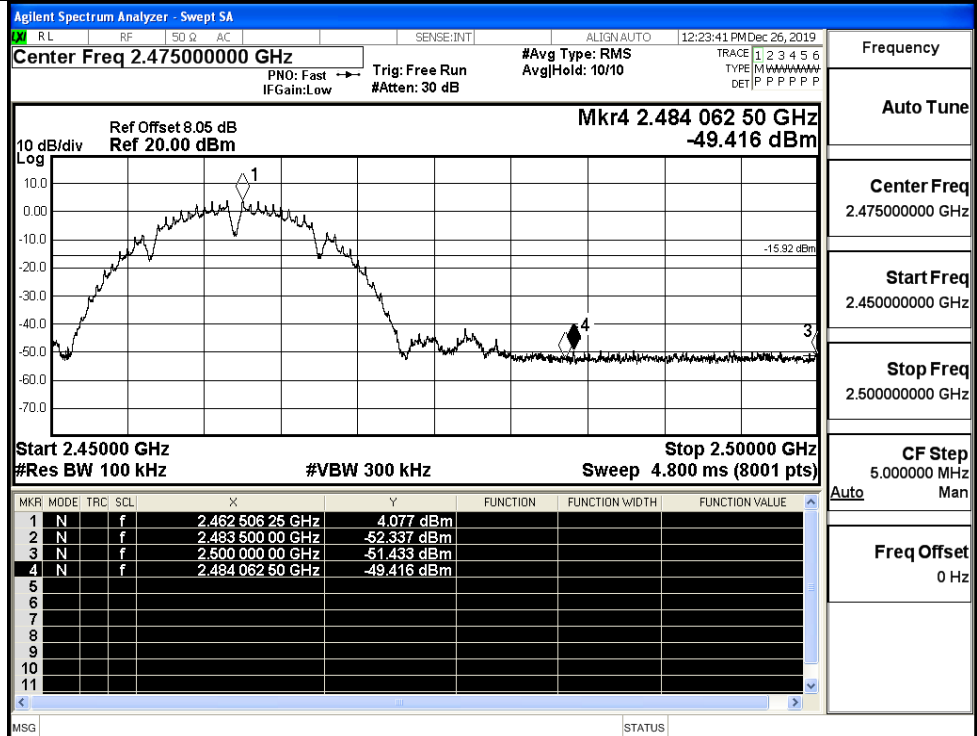
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	3.493	-49.486	-16.51	PASS
	HCH	4.077	-49.416	-15.92	PASS
11G	LCH	-4.955	-49.854	-24.96	PASS
	HCH	-3.845	-48.738	-23.85	PASS
11N20SISO	LCH	-5.930	-49.849	-25.93	PASS
	HCH	-5.721	-48.835	-25.72	PASS

Test Graphs

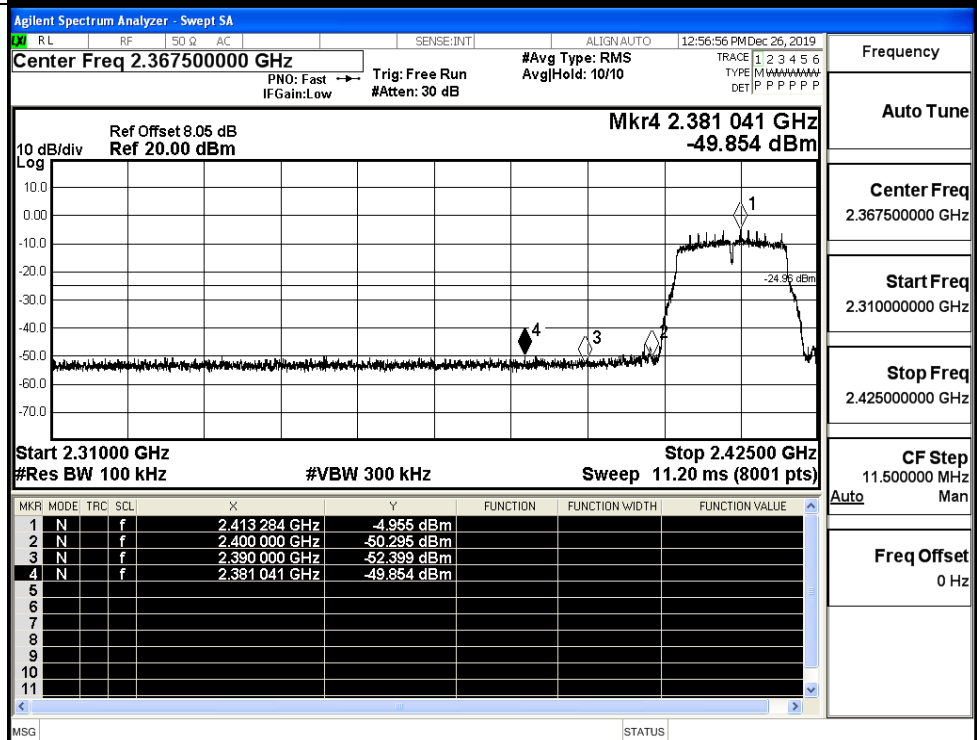
11B/LCH



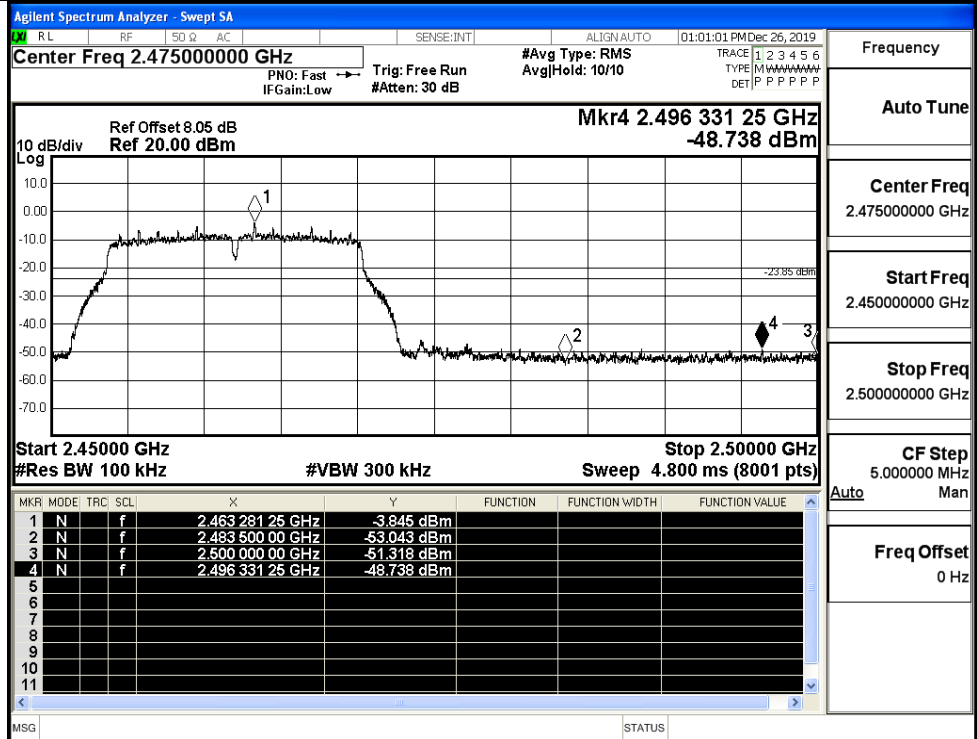
11B/HCH



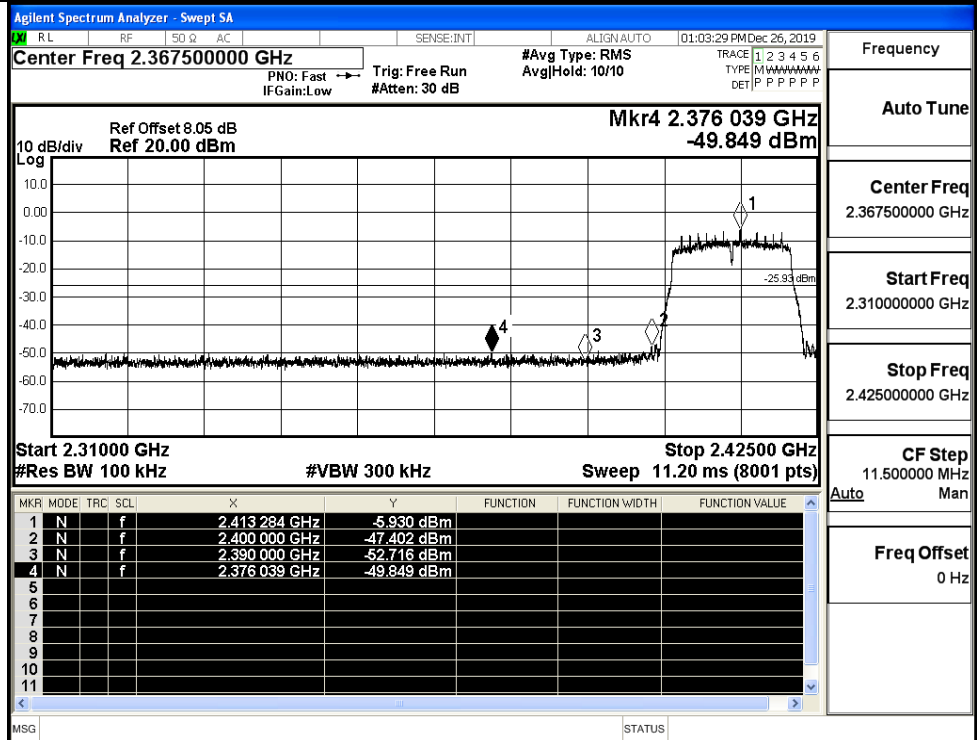
11G/LCH



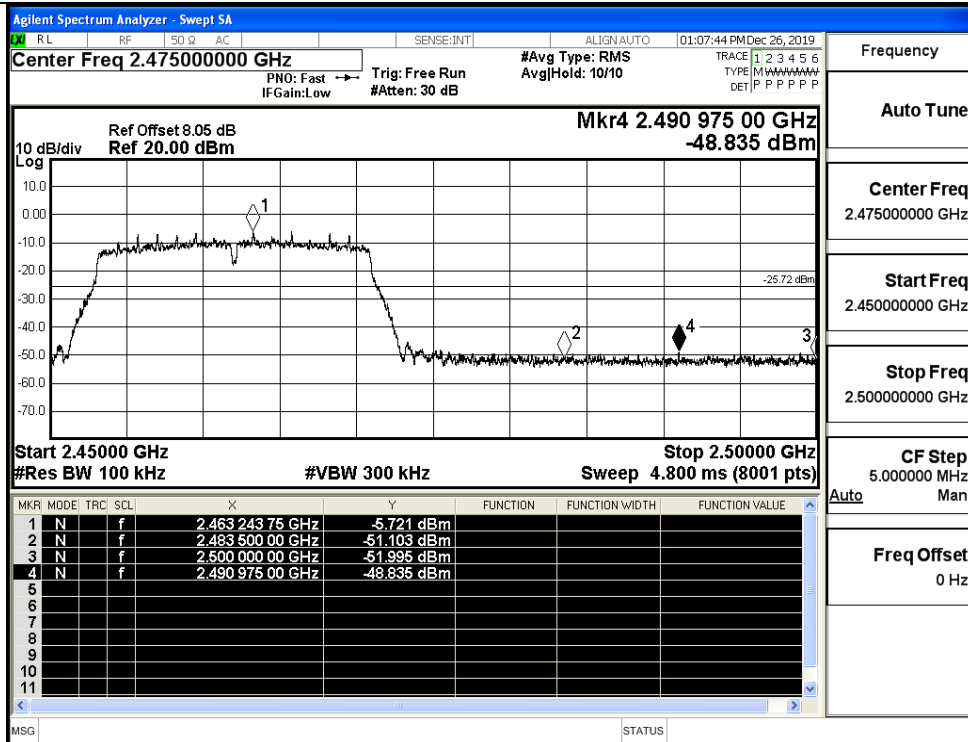
11G/HCH



11N20SISO/LCH



11N20SISO/HCH



Frequency

Auto Tune

Center Freq
2.475000000 GHz

Start Freq
2.450000000 GHz

Stop Freq
2.500000000 GHz

CF Step
5.000000 MHz

Auto Man

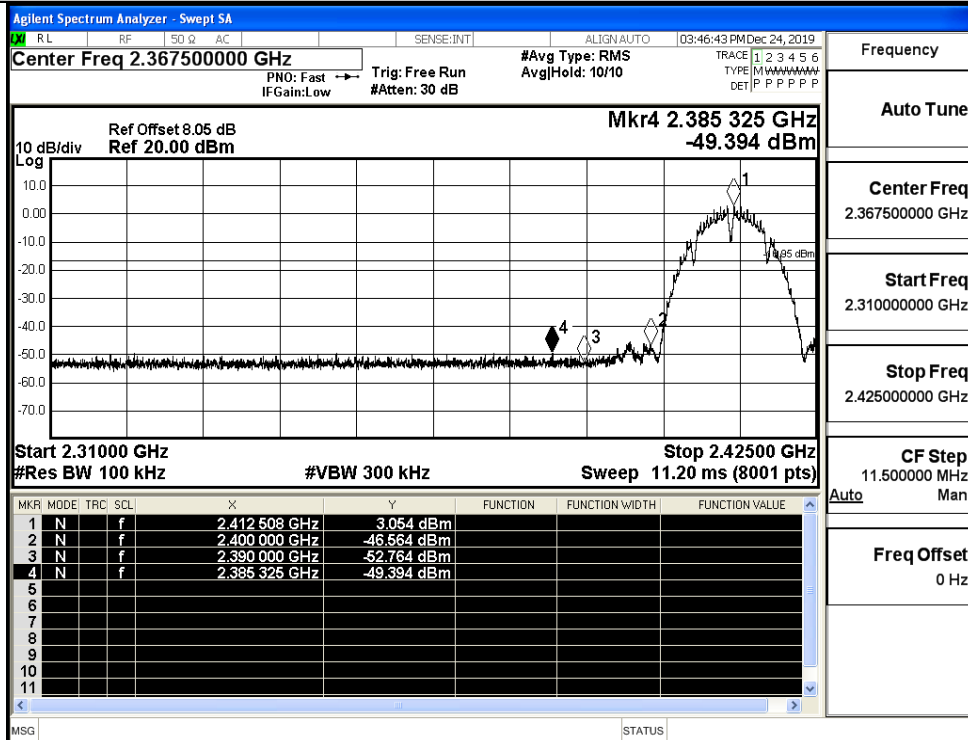
Freq Offset
0 Hz

Ant1

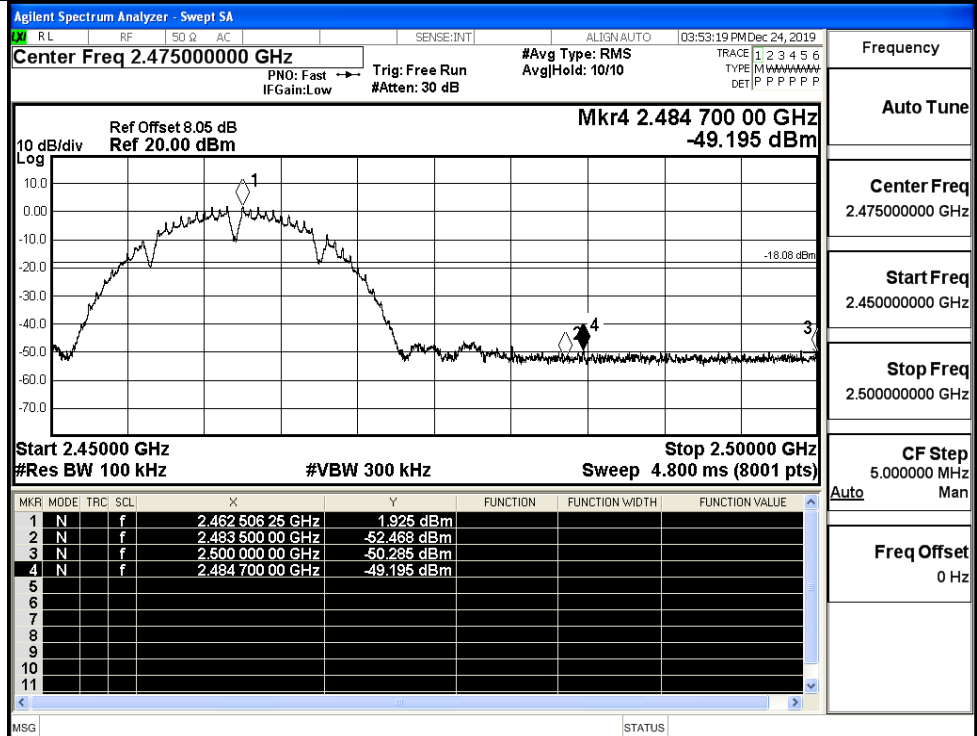
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	3.054	-49.394	-16.95	PASS
	HCH	1.925	-49.195	-18.08	PASS
11G	LCH	-6.178	-49.874	-26.18	PASS
	HCH	-5.790	-49.356	-25.79	PASS
11N20SISO	LCH	-8.313	-49.444	-28.31	PASS
	HCH	-7.915	-49.280	-27.92	PASS

Test Graphs

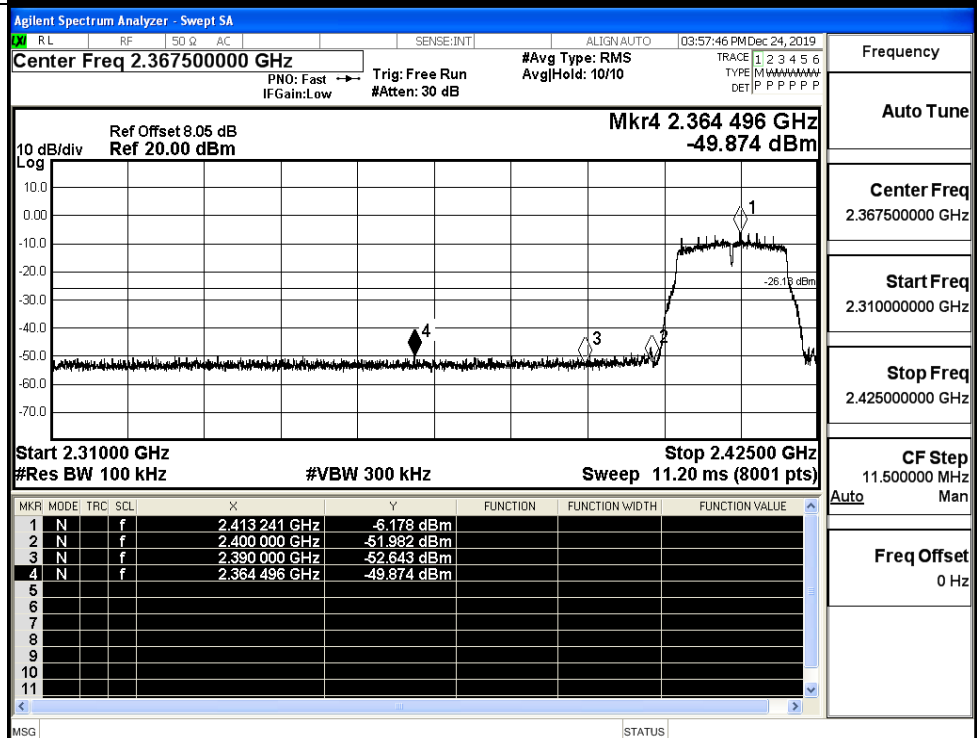
11B/LCH



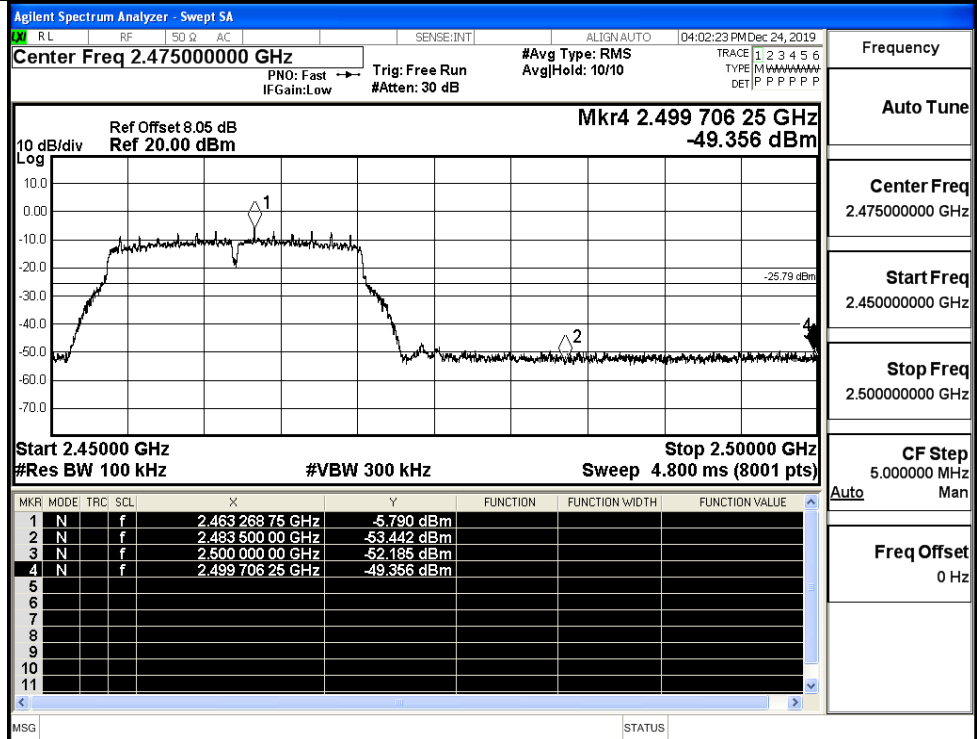
11B/HCH



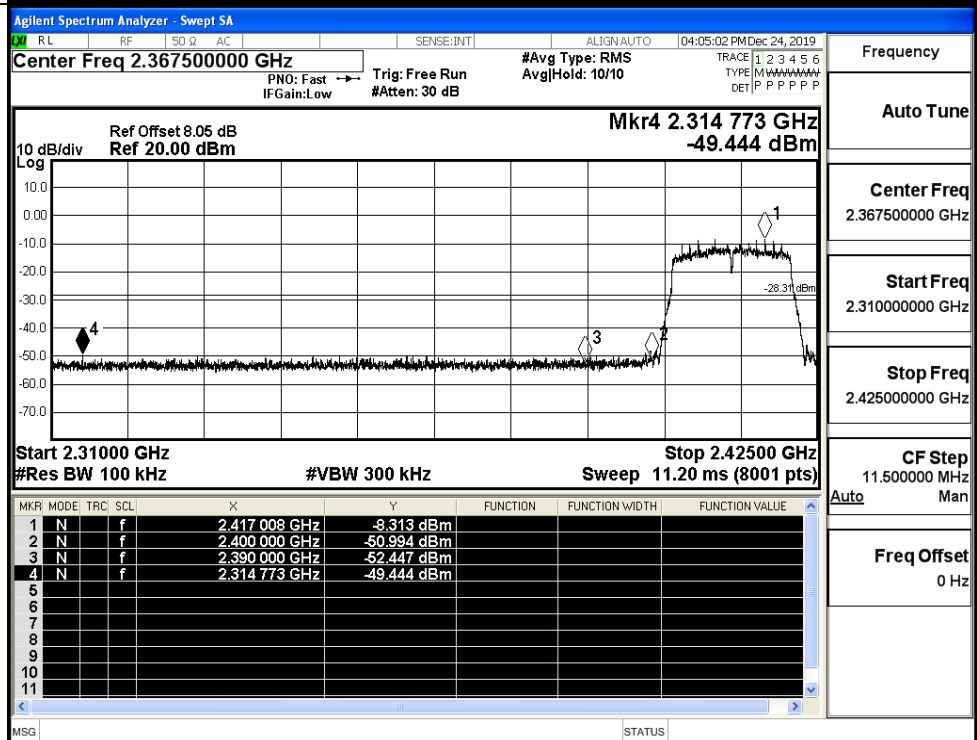
11G/LCH



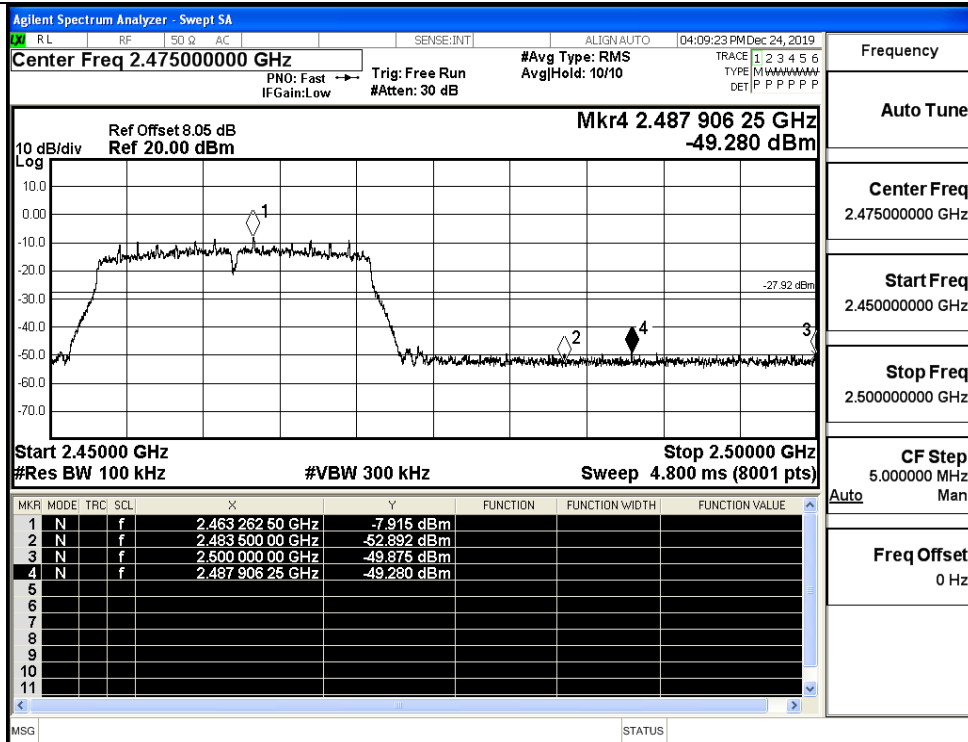
11G/HCH



11N20SISO/LCH



11N20SISO/HCH



Frequency

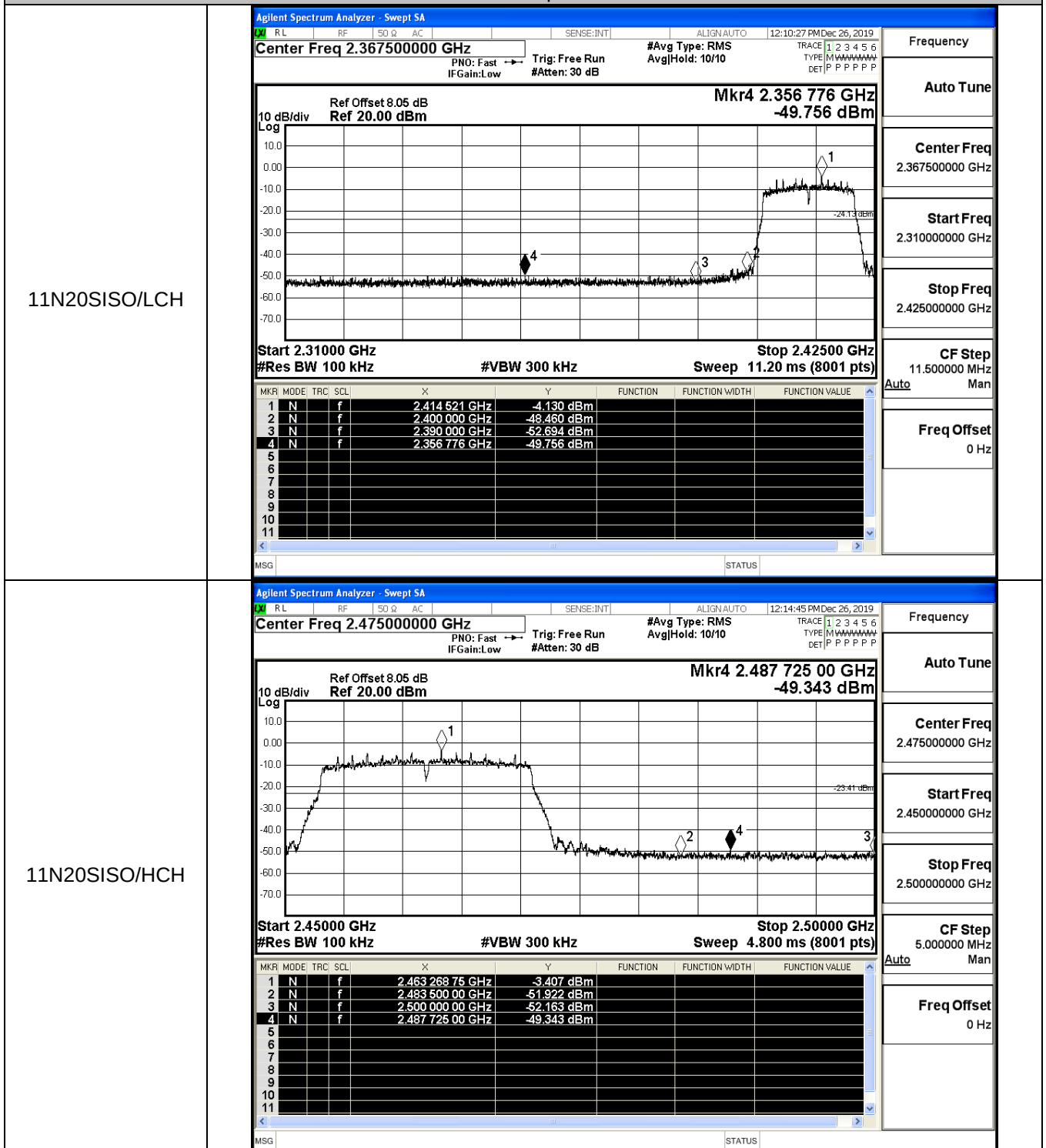
Auto Tune

Center Freq
2.475000000 GHzStart Freq
2.450000000 GHzStop Freq
2.500000000 GHzCF Step
5.000000 MHz
Auto ManFreq Offset
0 Hz

Ant0+1

Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11N20SISO	LCH	-4.130	-49.756	-24.13	PASS
	HCH	-3.407	-49.343	-23.41	PASS

Test Graphs



C.7 Restrict-band band-edge measurements

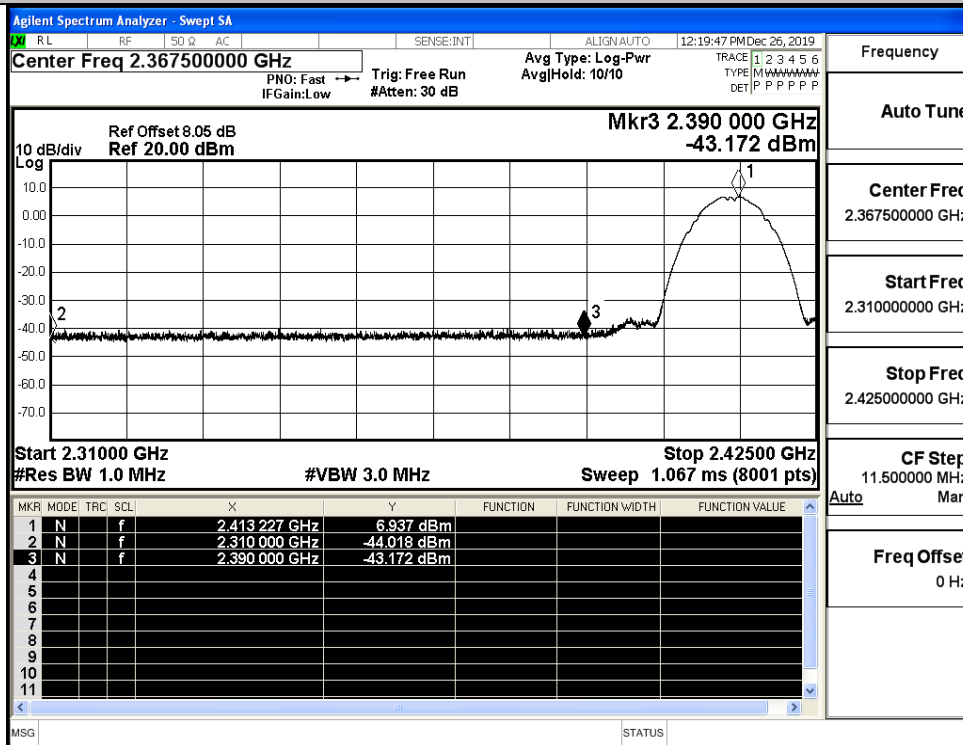
Ant0

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
11B	2412	Ant1	2310.0	-44.02	-3.7	0	53.24	PEAK	74	PASS
	2412	Ant1	2310.0	-53.46	-3.7	0	43.80	AV	54	PASS
	2412	Ant1	2390.0	-43.17	-3.7	0	54.09	PEAK	74	PASS
	2412	Ant1	2390.0	-52.99	-3.7	0	44.27	AV	54	PASS
	2462	Ant1	2483.5	-41.27	-3.7	0	55.98	PEAK	74	PASS
	2462	Ant1	2483.5	-52.52	-3.7	0	44.74	AV	54	PASS
	2462	Ant1	2500.0	-42.15	-3.7	0	55.11	PEAK	74	PASS
	2462	Ant1	2500.0	-52.39	-3.7	0	44.87	AV	54	PASS
11G	2412	Ant1	2310.0	-42.52	-3.7	0	54.74	PEAK	74	PASS
	2412	Ant1	2310.0	-53.45	-3.7	0	43.81	AV	54	PASS
	2412	Ant1	2390.0	-41.73	-3.7	0	55.53	PEAK	74	PASS
	2412	Ant1	2390.0	-52.81	-3.7	0	44.45	AV	54	PASS
	2462	Ant1	2483.5	-42.13	-3.7	0	55.13	PEAK	74	PASS
	2462	Ant1	2483.5	-52.50	-3.7	0	44.76	AV	54	PASS
	2462	Ant1	2500.0	-42.10	-3.7	0	55.16	PEAK	74	PASS
	2462	Ant1	2500.0	-52.43	-3.7	0	44.83	AV	54	PASS
11N20 SISO	2412	Ant1	2310.0	-43.54	-3.7	0	53.72	PEAK	74	PASS
	2412	Ant1	2310.0	-53.46	-3.7	0	43.80	AV	54	PASS
	2412	Ant1	2390.0	-41.41	-3.7	0	55.85	PEAK	74	PASS
	2412	Ant1	2390.0	-52.95	-3.7	0	44.31	AV	54	PASS
	2462	Ant1	2483.5	-42.29	-3.7	0	54.97	PEAK	74	PASS
	2462	Ant1	2483.5	-52.51	-3.7	0	44.74	AV	54	PASS
	2462	Ant1	2500.0	-42.68	-3.7	0	54.58	PEAK	74	PASS
	2462	Ant1	2500.0	-52.43	-3.7	0	44.83	AV	54	PASS

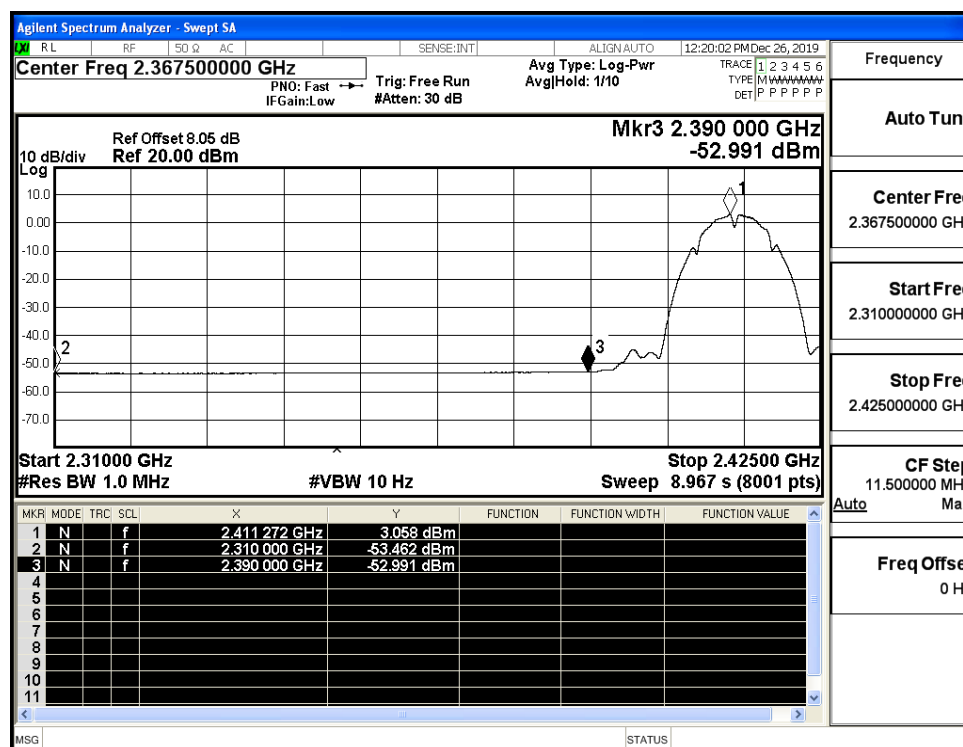
$$E \text{ [dBuV/m]} = \text{Power [dBm]} + \text{Gain} + \text{Ground Factor} + 95.26$$

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

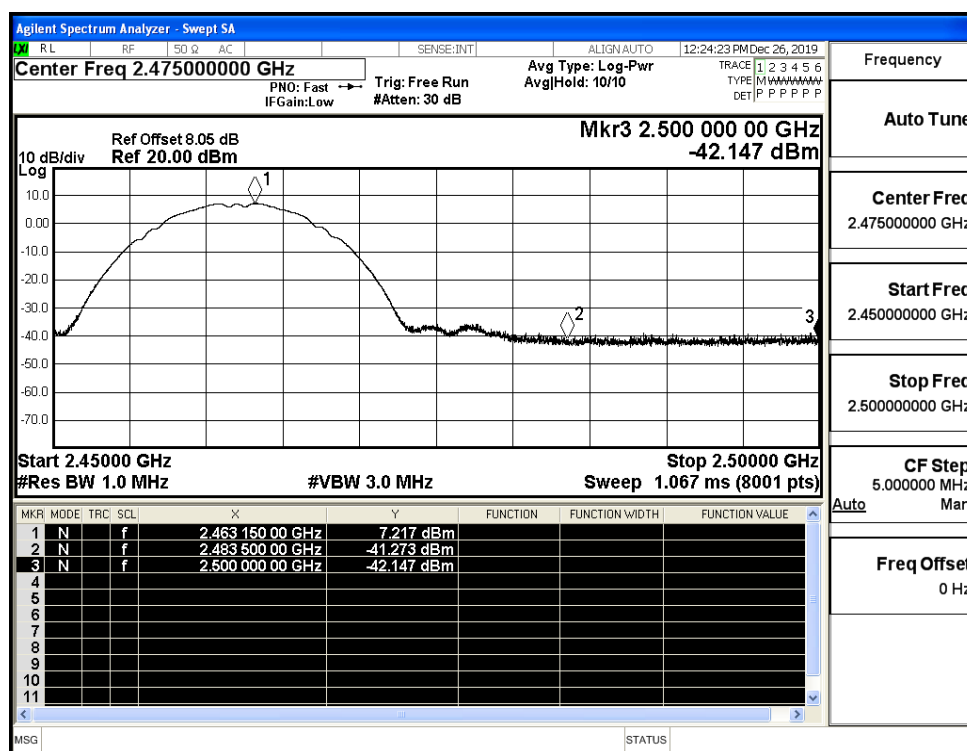
Restrict-band band-edge measurements_11B_2412_Ant1_PEAK



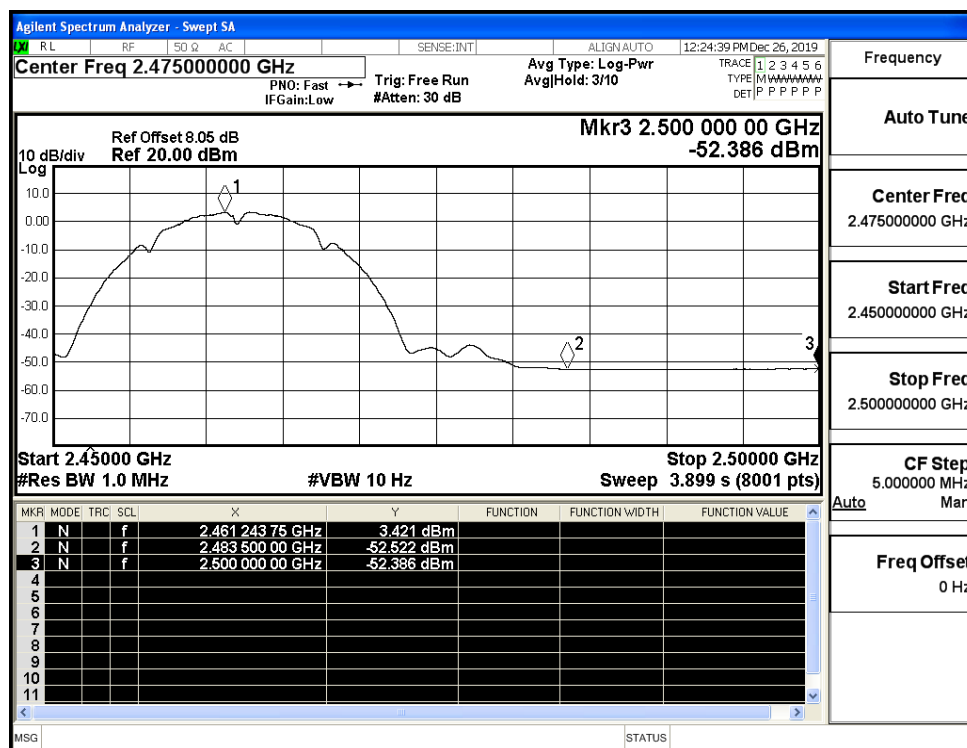
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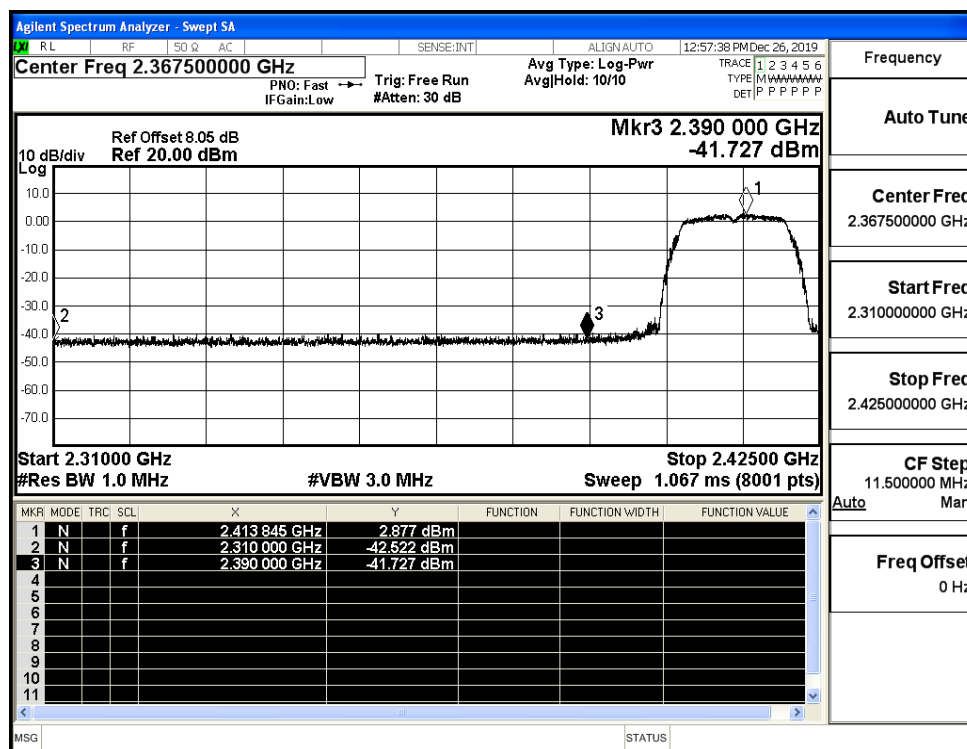
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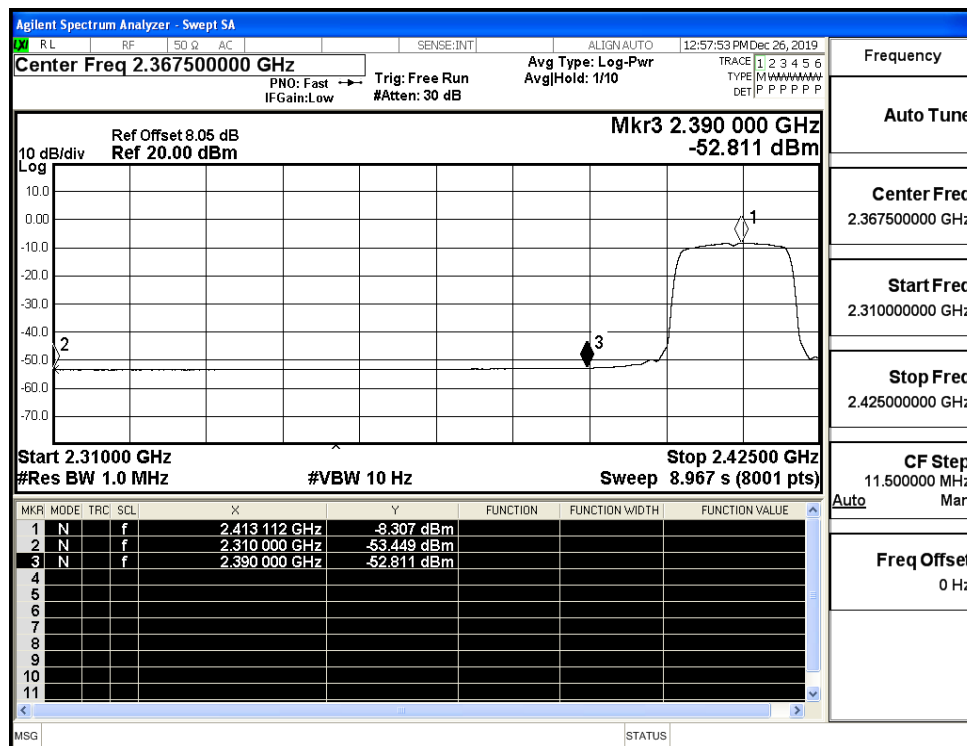
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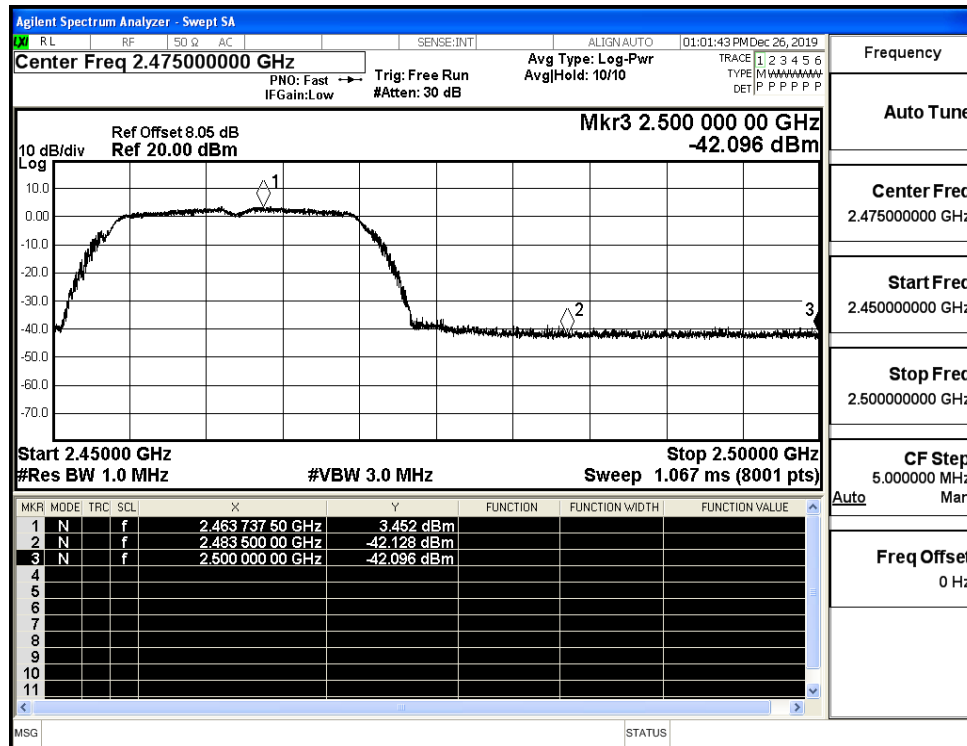
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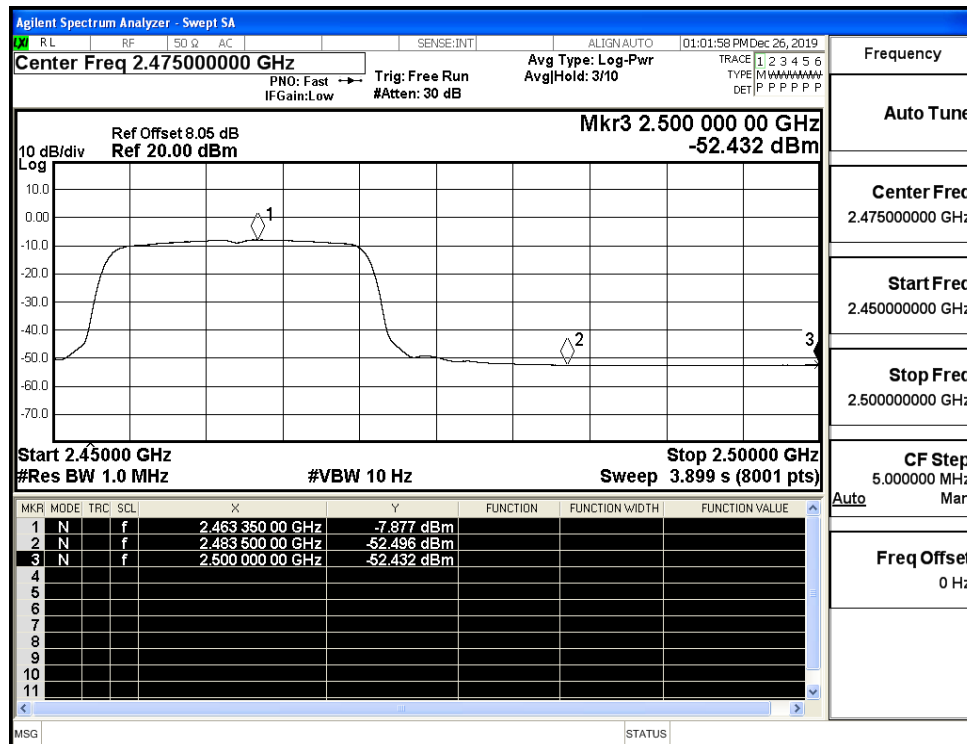
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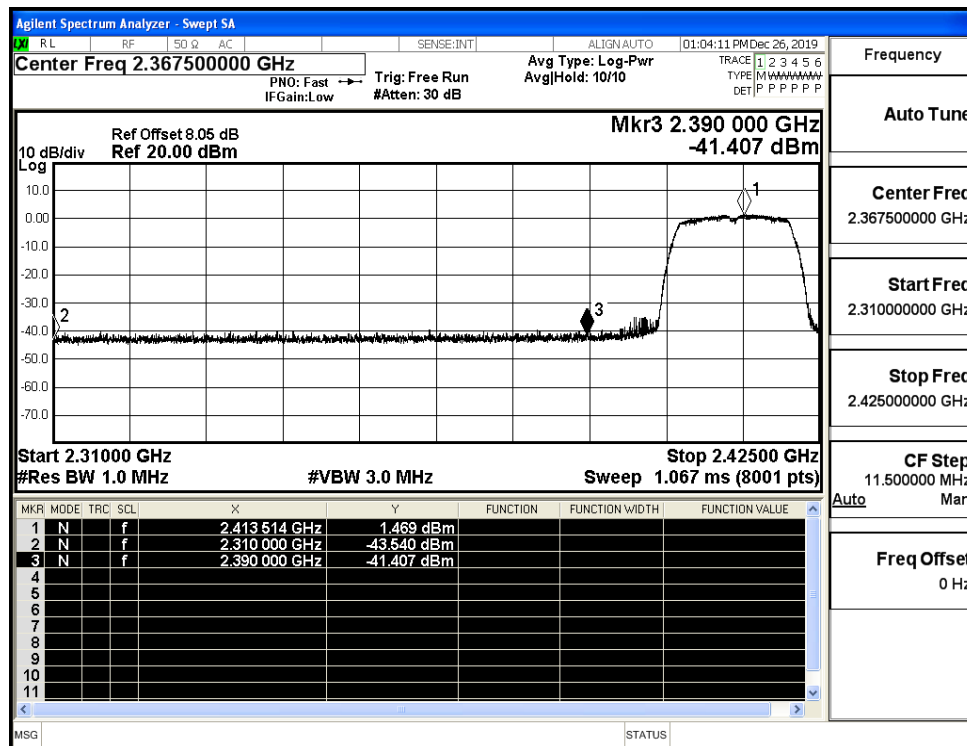
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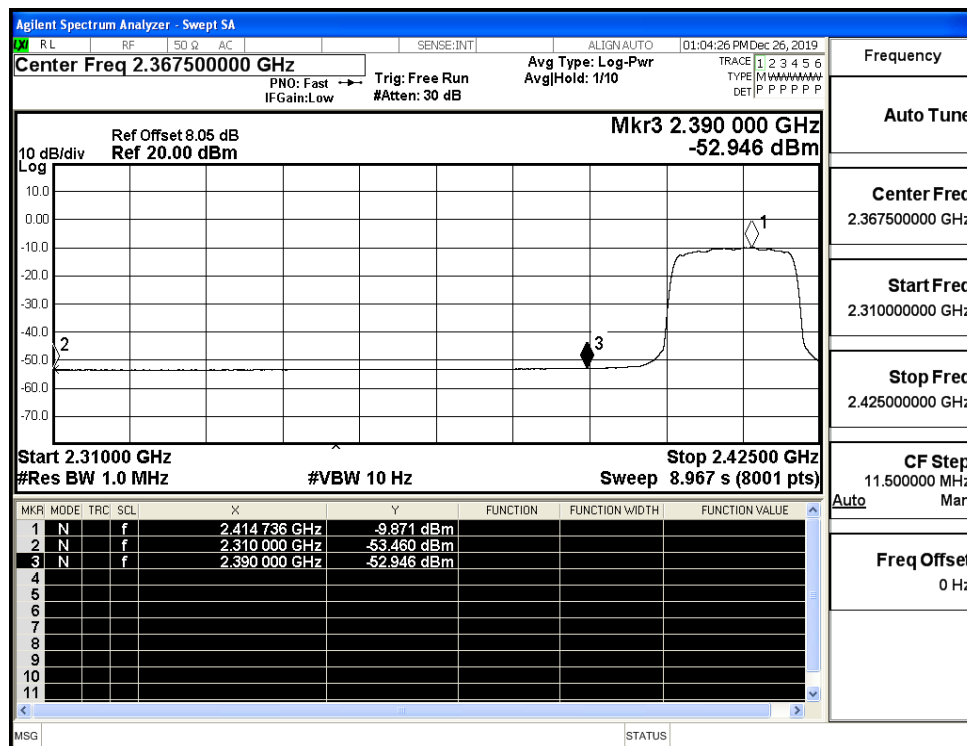
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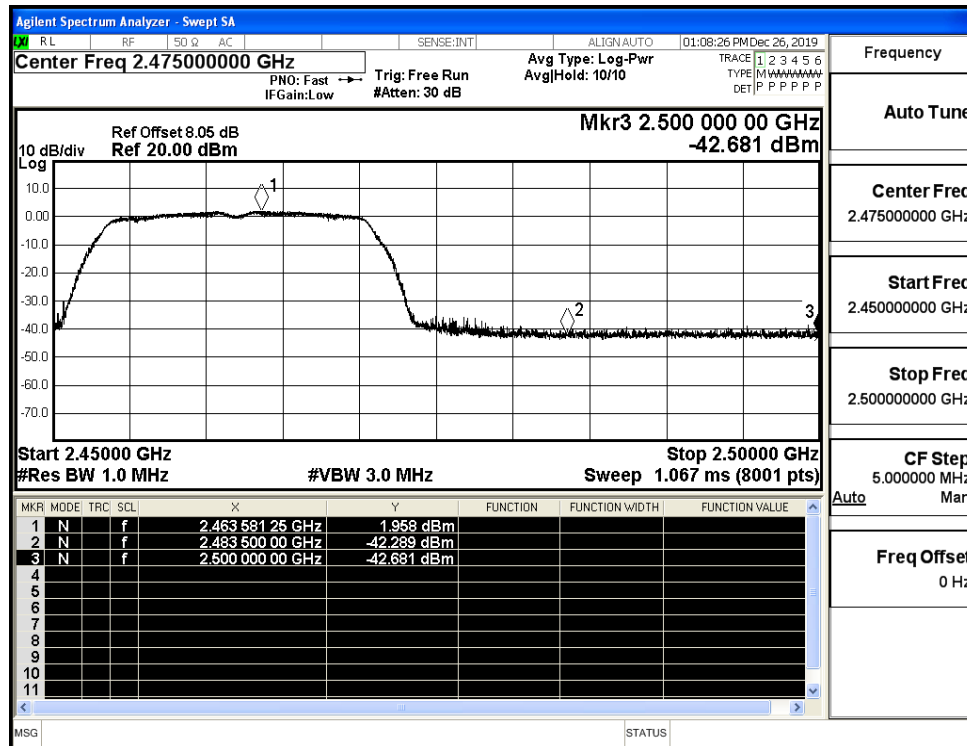
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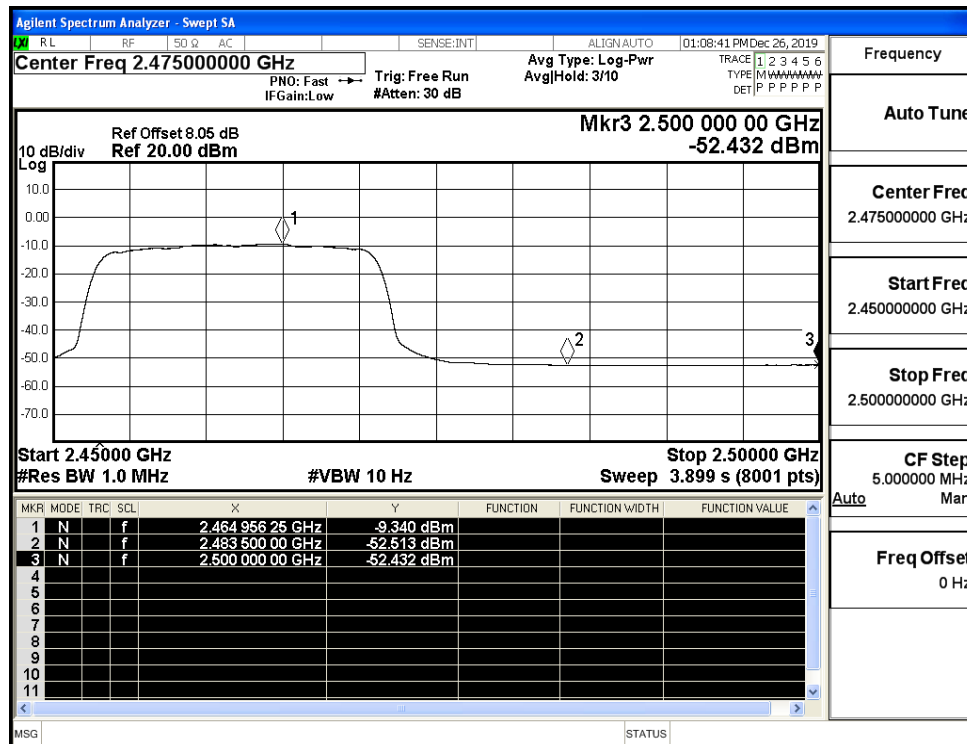
Restrict-band band-edge measurements_11N20SISO_2412_Ant1_AV



Restrict-band band-edge measurements_11N20SISO_2462_Ant1_PEAK



Restrict-band band-edge measurements_11N20SISO_2462_Ant1_AV



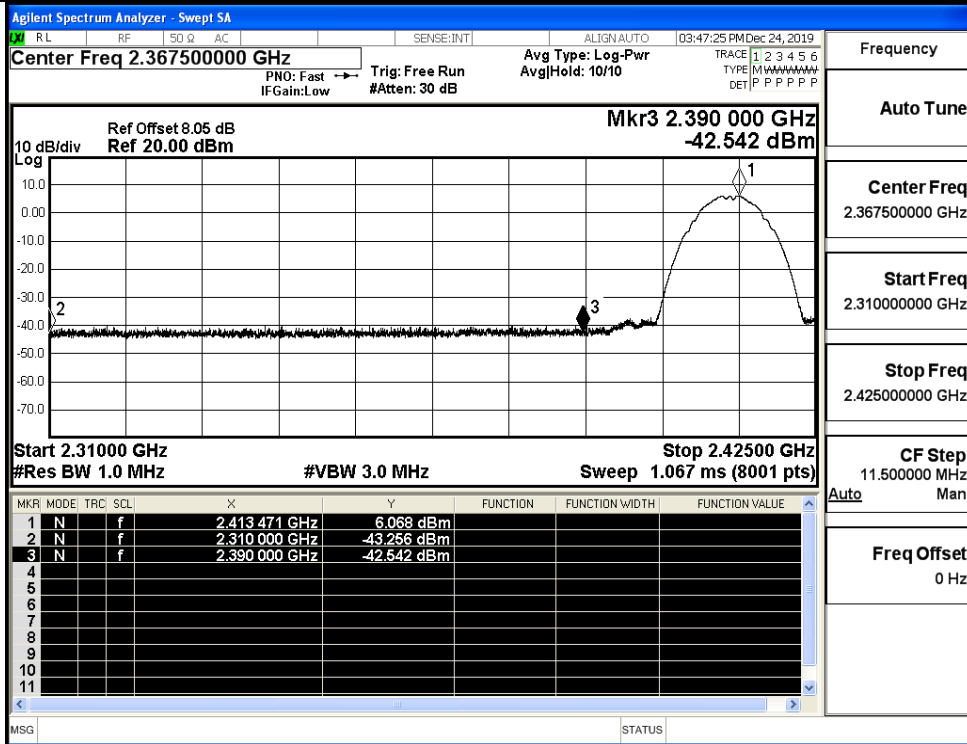
Ant1

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
11B	2412	Ant1	2310.0	-43.26	-3.7	0	54.00	PEAK	74	PASS
	2412	Ant1	2310.0	-53.44	-3.7	0	43.82	AV	54	PASS
	2412	Ant1	2390.0	-42.54	-3.7	0	54.72	PEAK	74	PASS
	2412	Ant1	2390.0	-52.98	-3.7	0	44.28	AV	54	PASS
	2462	Ant1	2483.5	-42.21	-3.7	0	55.05	PEAK	74	PASS
	2462	Ant1	2483.5	-52.65	-3.7	0	44.61	AV	54	PASS
	2462	Ant1	2500.0	-40.50	-3.7	0	56.76	PEAK	74	PASS
	2462	Ant1	2500.0	-52.45	-3.7	0	44.81	AV	54	PASS
11G	2412	Ant1	2310.0	-43.03	-3.7	0	54.23	PEAK	74	PASS
	2412	Ant1	2310.0	-53.49	-3.7	0	43.76	AV	54	PASS
	2412	Ant1	2390.0	-42.22	-3.7	0	55.04	PEAK	74	PASS
	2412	Ant1	2390.0	-52.95	-3.7	0	44.31	AV	54	PASS
	2462	Ant1	2483.5	-42.08	-3.7	0	55.18	PEAK	74	PASS
	2462	Ant1	2483.5	-52.60	-3.7	0	44.66	AV	54	PASS
	2462	Ant1	2500.0	-42.00	-3.7	0	55.26	PEAK	74	PASS
	2462	Ant1	2500.0	-52.45	-3.7	0	44.81	AV	54	PASS
11N20 SISO	2412	Ant1	2310.0	-43.08	-3.7	0	54.18	PEAK	74	PASS
	2412	Ant1	2310.0	-53.55	-3.7	0	43.70	AV	54	PASS
	2412	Ant1	2390.0	-43.21	-3.7	0	54.04	PEAK	74	PASS
	2412	Ant1	2390.0	-53.05	-3.7	0	44.21	AV	54	PASS
	2462	Ant1	2483.5	-42.96	-3.7	0	54.30	PEAK	74	PASS
	2462	Ant1	2483.5	-52.67	-3.7	0	44.59	AV	54	PASS
	2462	Ant1	2500.0	-41.85	-3.7	0	55.41	PEAK	74	PASS
	2462	Ant1	2500.0	-52.52	-3.7	0	44.74	AV	54	PASS

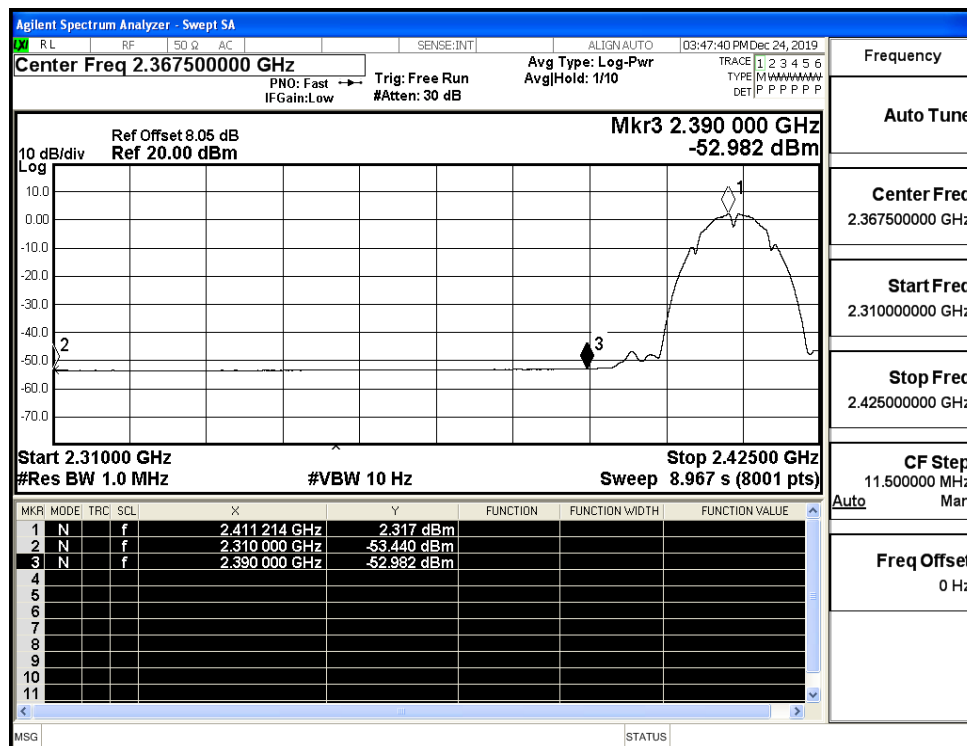
$E \text{ [dBuV/m]} = \text{Power [dBm]} + \text{Gain} + \text{Ground Factor} + 95.26$

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

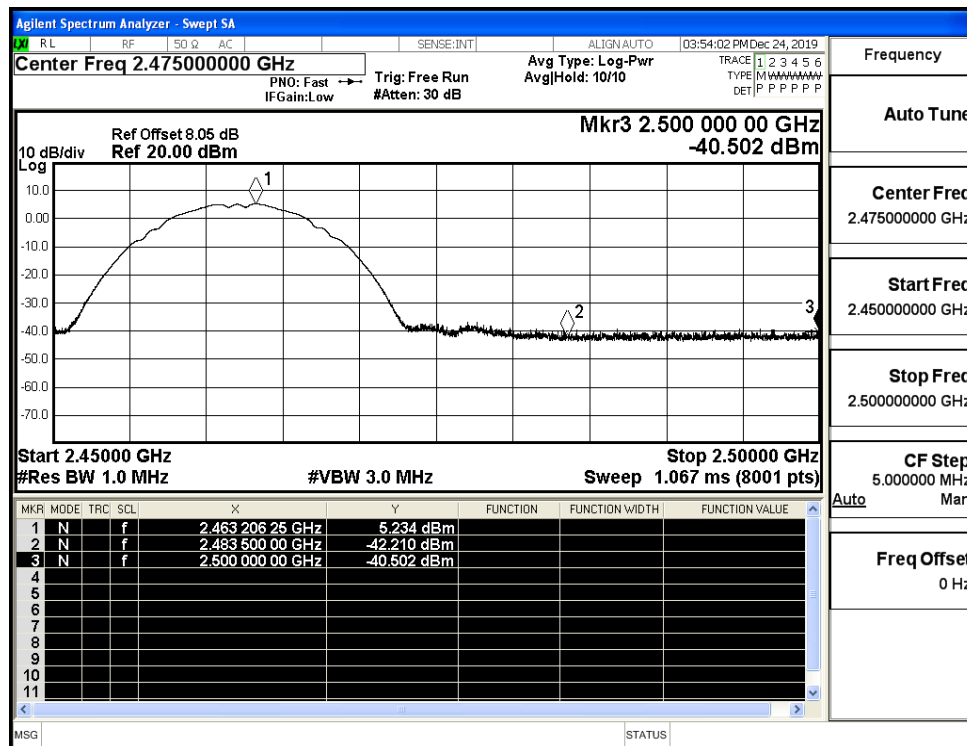
Restrict-band band-edge measurements_11B_2412_Ant1_PEAK



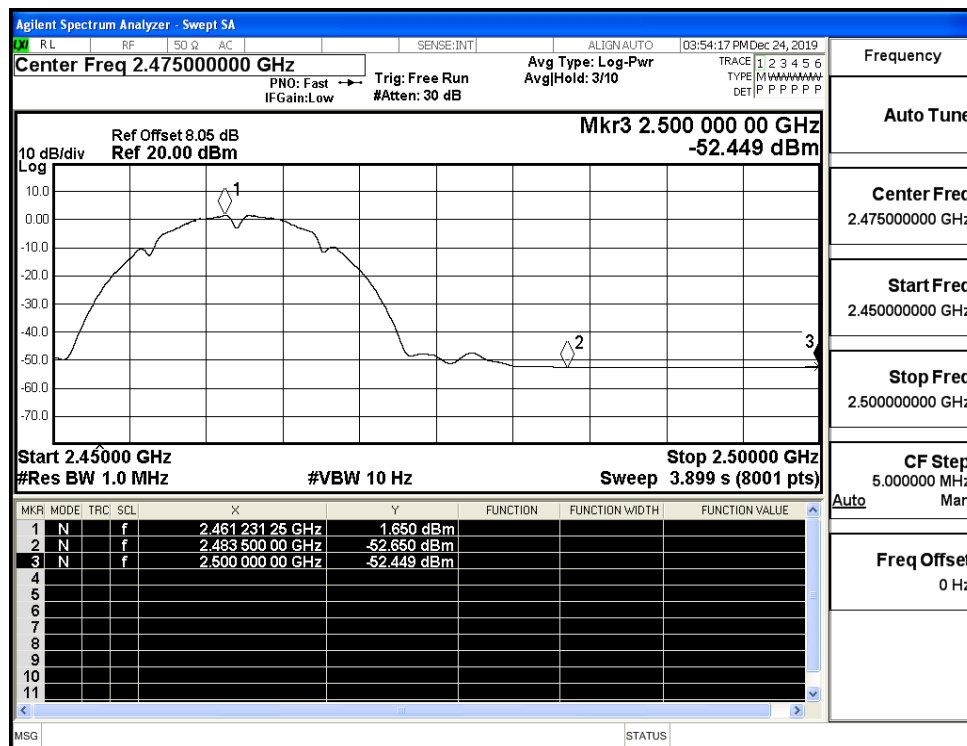
Restrict-band band-edge measurements_11B_2412_Ant1_AV



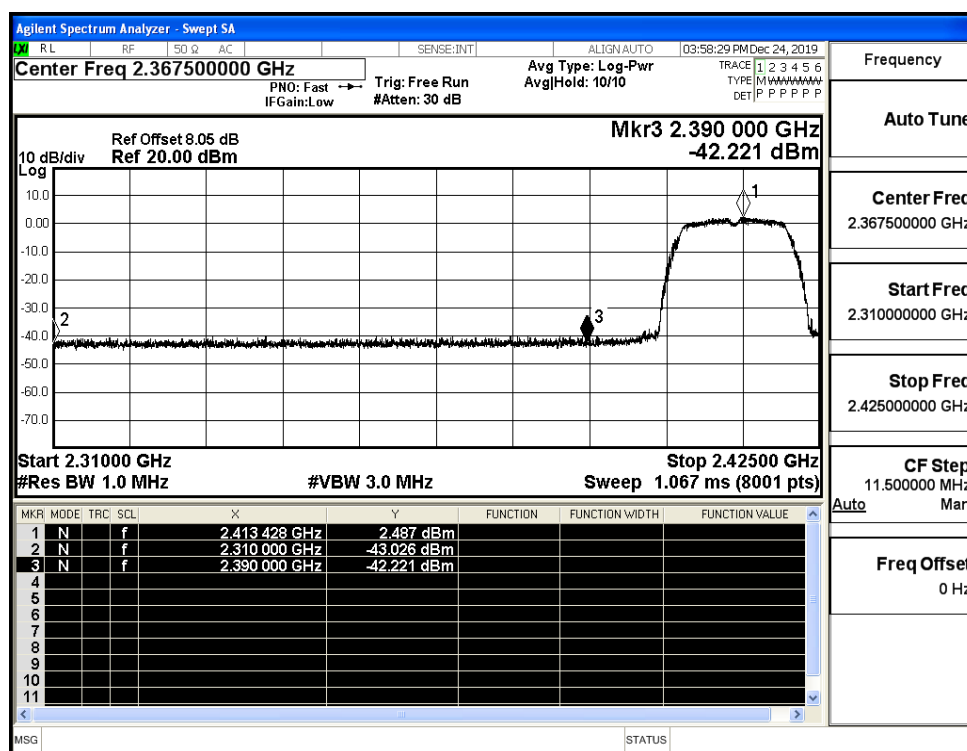
Restrict-band band-edge measurements_11B_2462_Ant1_PEAK



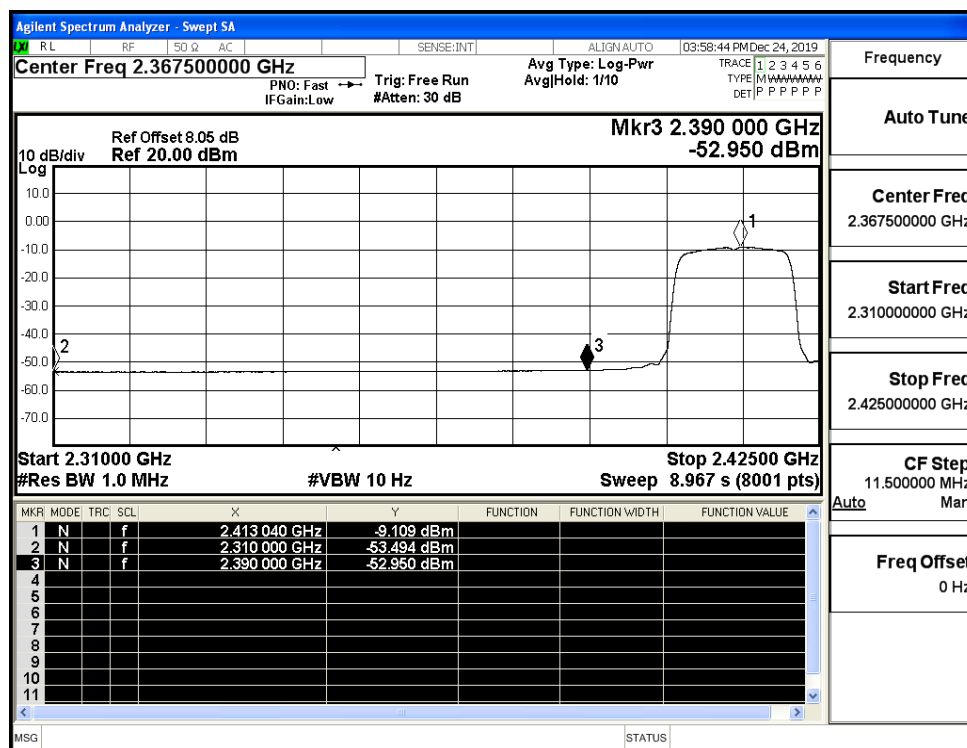
Restrict-band band-edge measurements_11B_2462_Ant1_AV



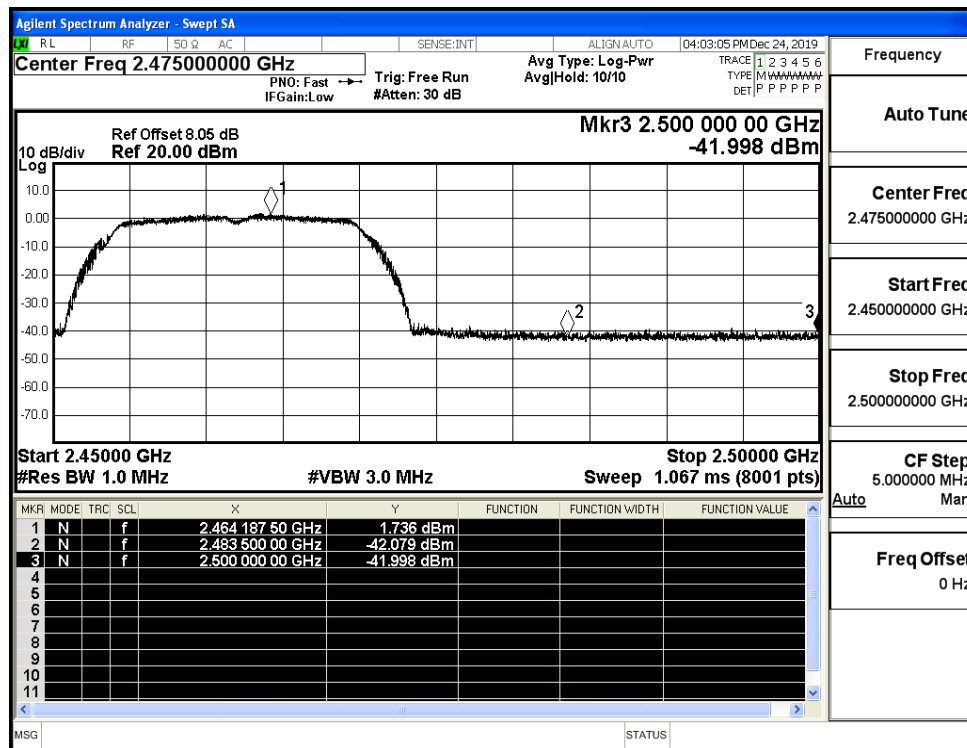
Restrict-band band-edge measurements_11G_2412_Ant1_PEAK



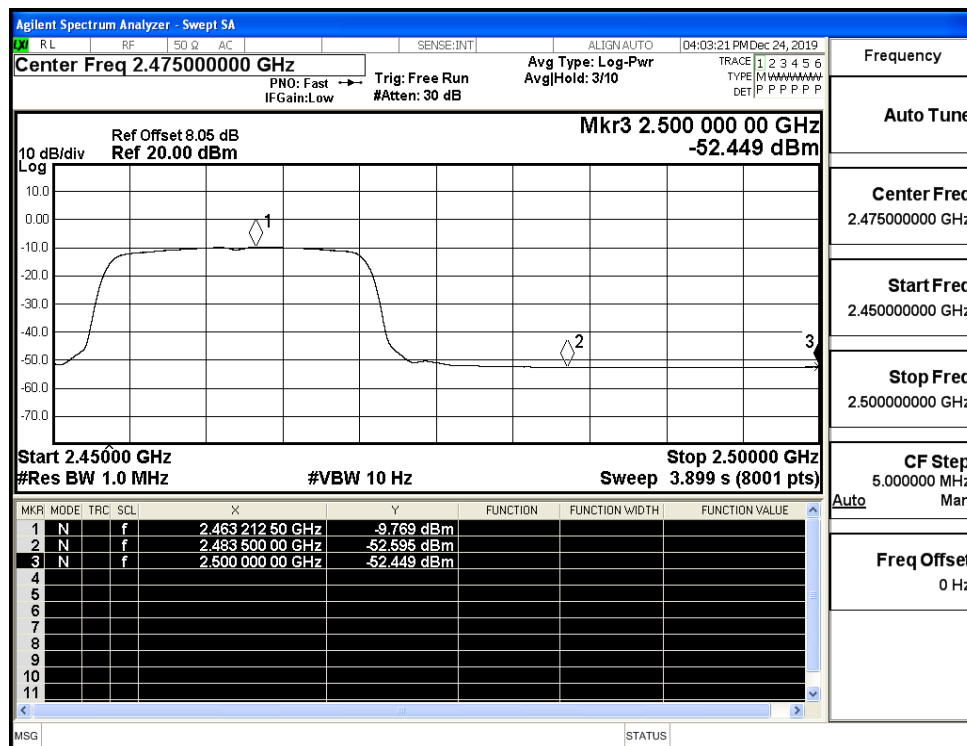
Restrict-band band-edge measurements_11G_2412_Ant1_AV



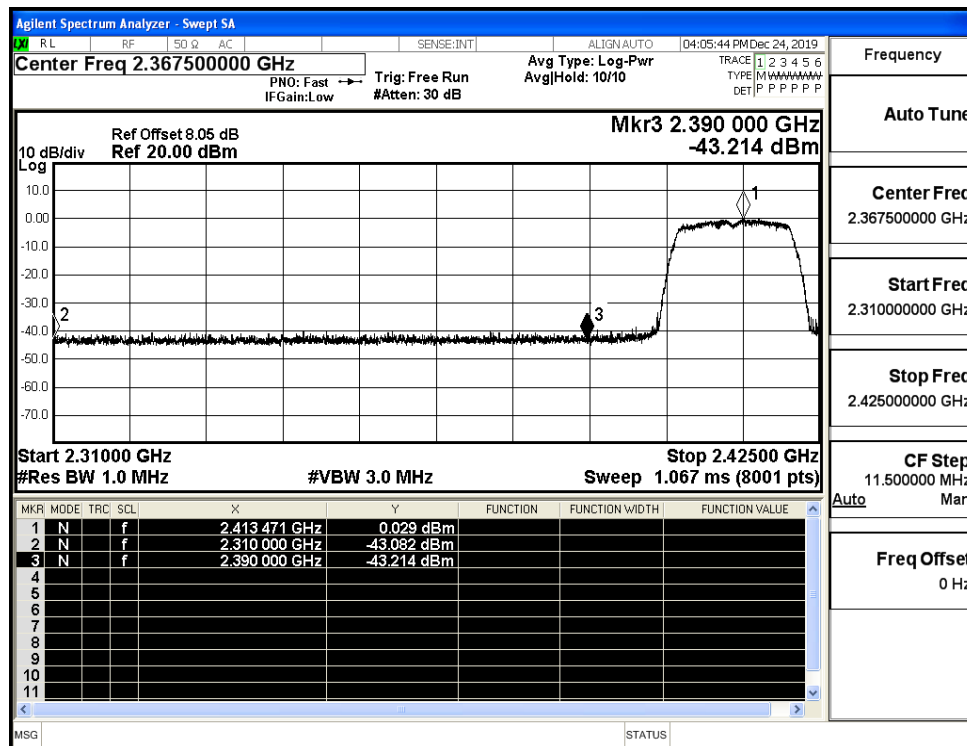
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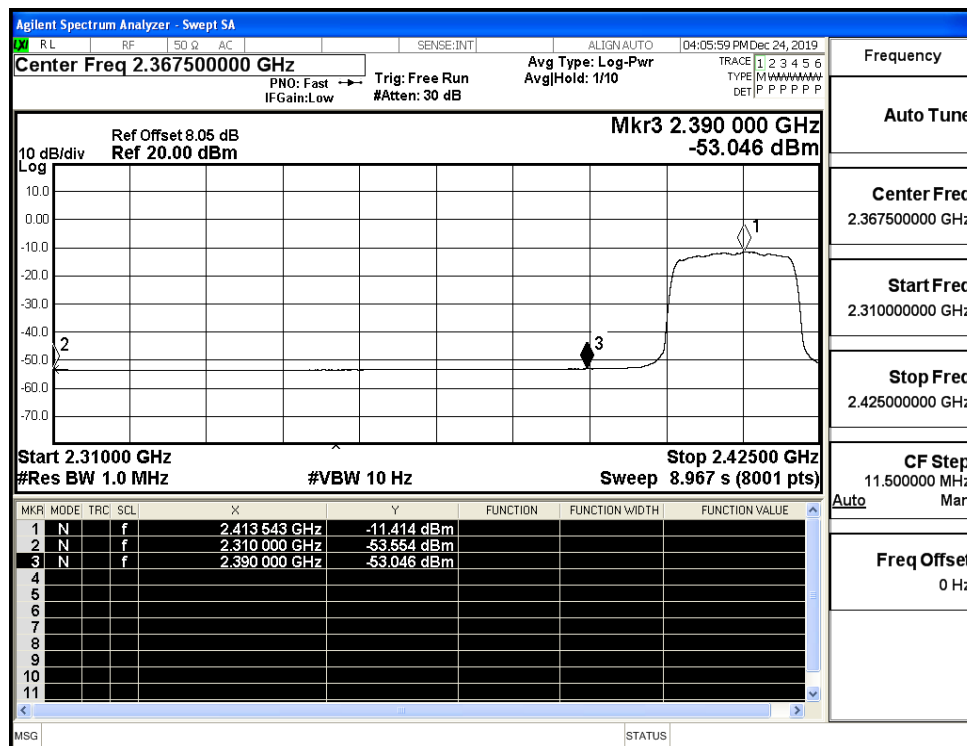
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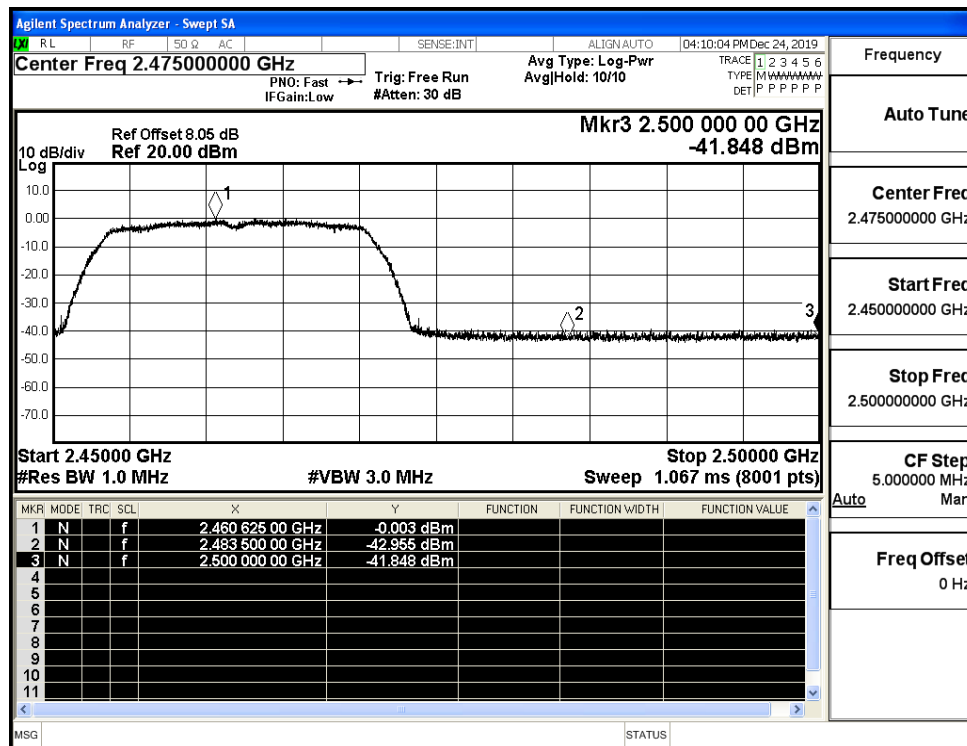
Restrict-band band-edge measurements_11N20SISO_2412_Ant1_PEAK



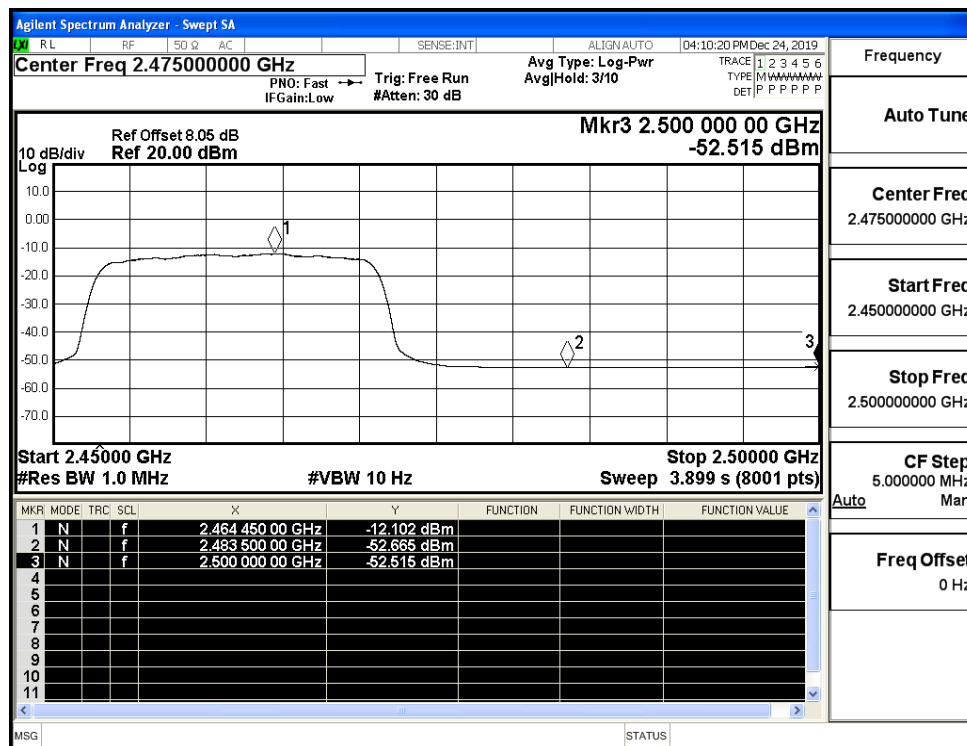
Restrict-band band-edge measurements_11N20SISO_2412_Ant1_AV



Restrict-band band-edge measurements_11N20SISO_2462_Ant1_PEAK



Restrict-band band-edge measurements_11N20SISO_2462_Ant1_AV



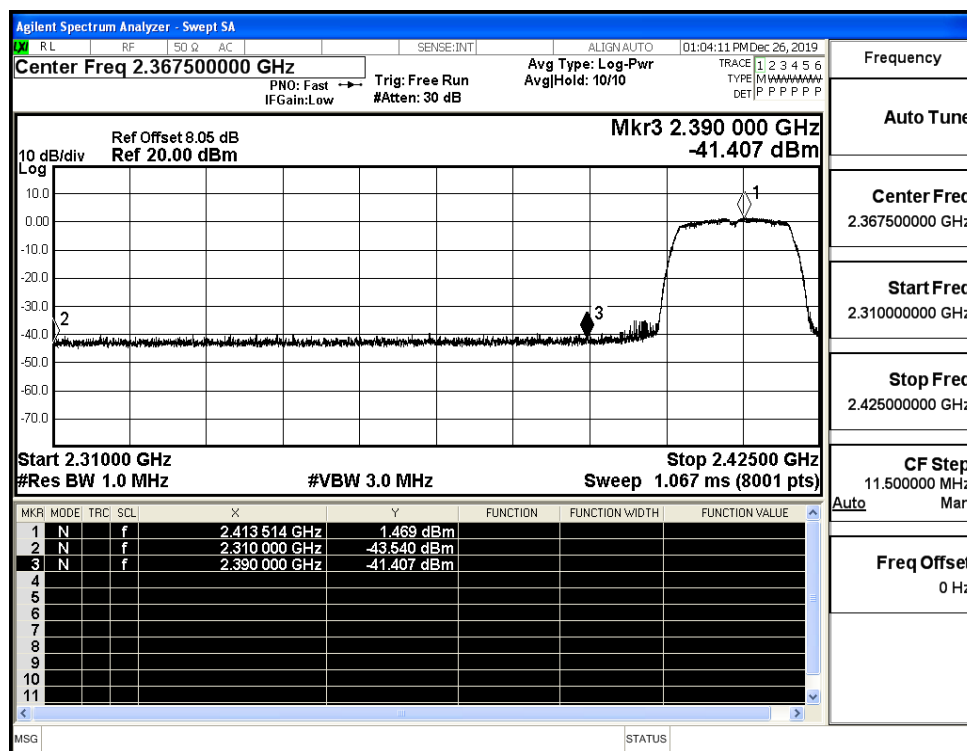
Ant0+1

Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
11N20 SISO	2412	Ant1	2310.0	-40.29	-0.69	0	56.97	PEAK	74	PASS
	2412	Ant1	2310.0	-50.49	-0.69	0	46.77	AV	54	PASS
	2412	Ant1	2390.0	-39.21	-0.69	0	58.05	PEAK	74	PASS
	2412	Ant1	2390.0	-49.99	-0.69	0	47.27	AV	54	PASS
	2462	Ant1	2483.5	-39.60	-0.69	0	57.66	PEAK	74	PASS
	2462	Ant1	2483.5	-49.58	-0.69	0	47.68	AV	54	PASS
	2462	Ant1	2500.0	-39.23	-0.69	0	58.03	PEAK	74	PASS
	2462	Ant1	2500.0	-49.46	-0.69	0	47.80	AV	54	PASS

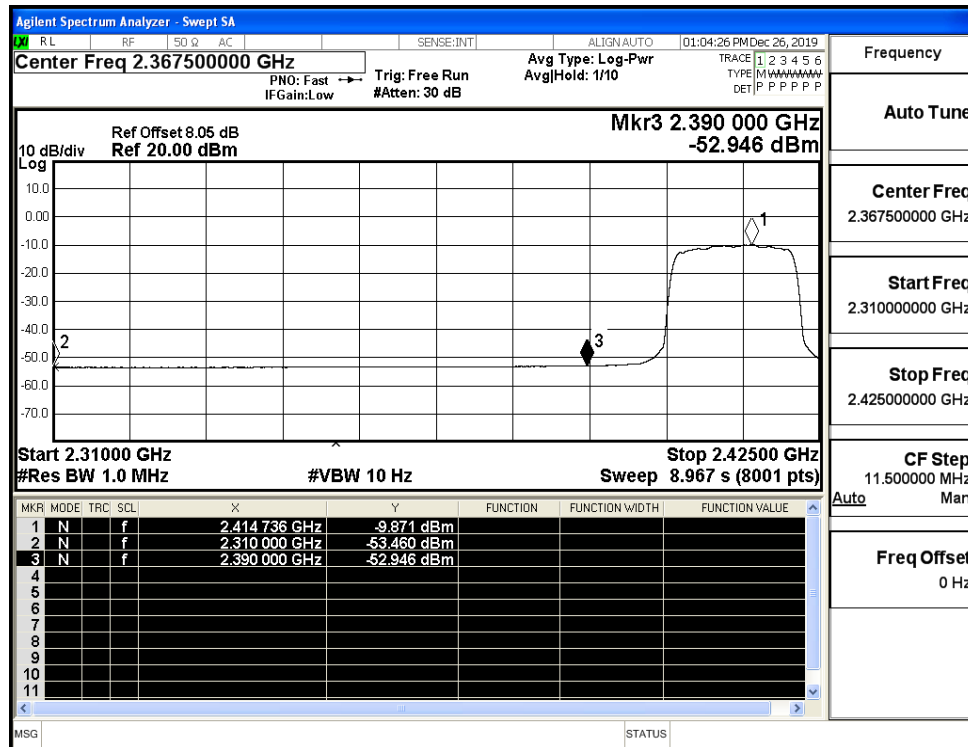
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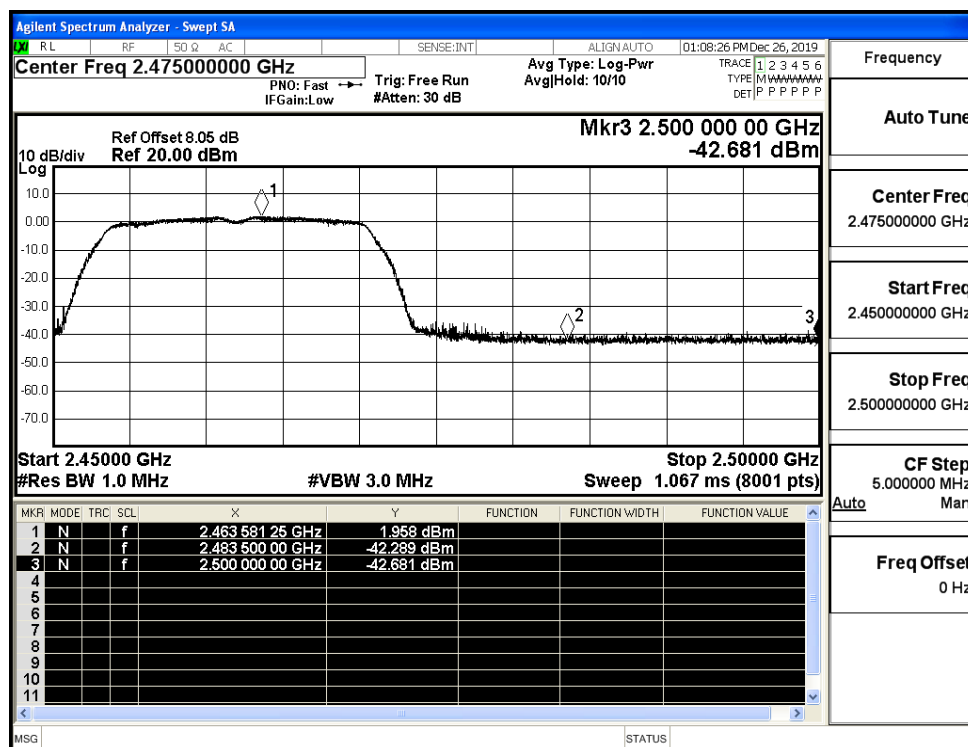
Restrict-band band-edge measurements_11N20SISO_2412_Ant1_PEAK



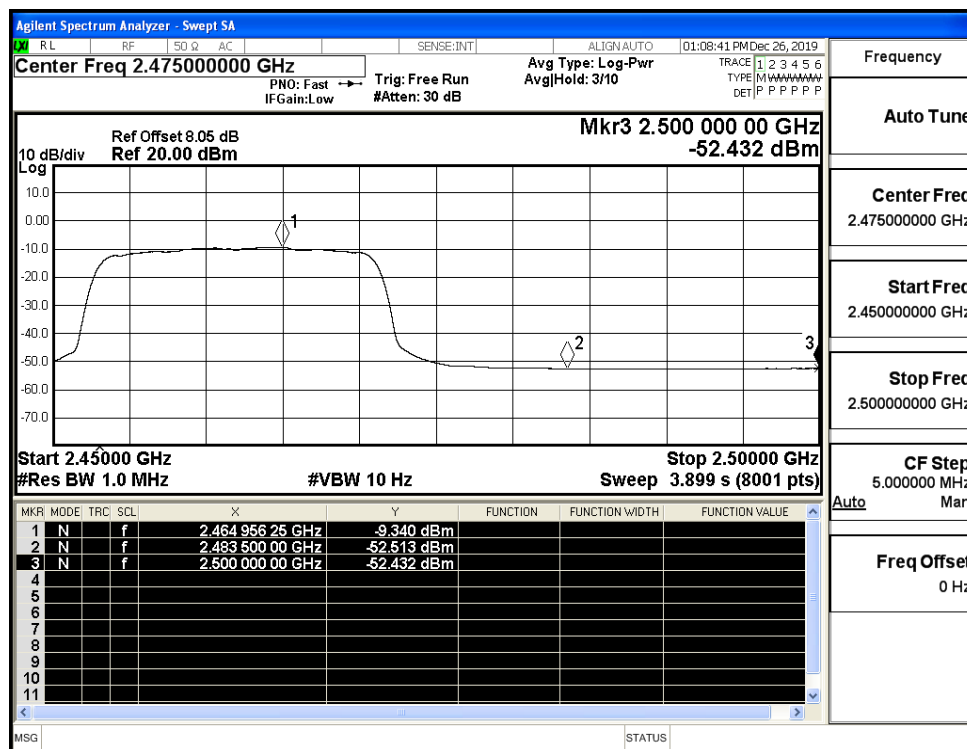
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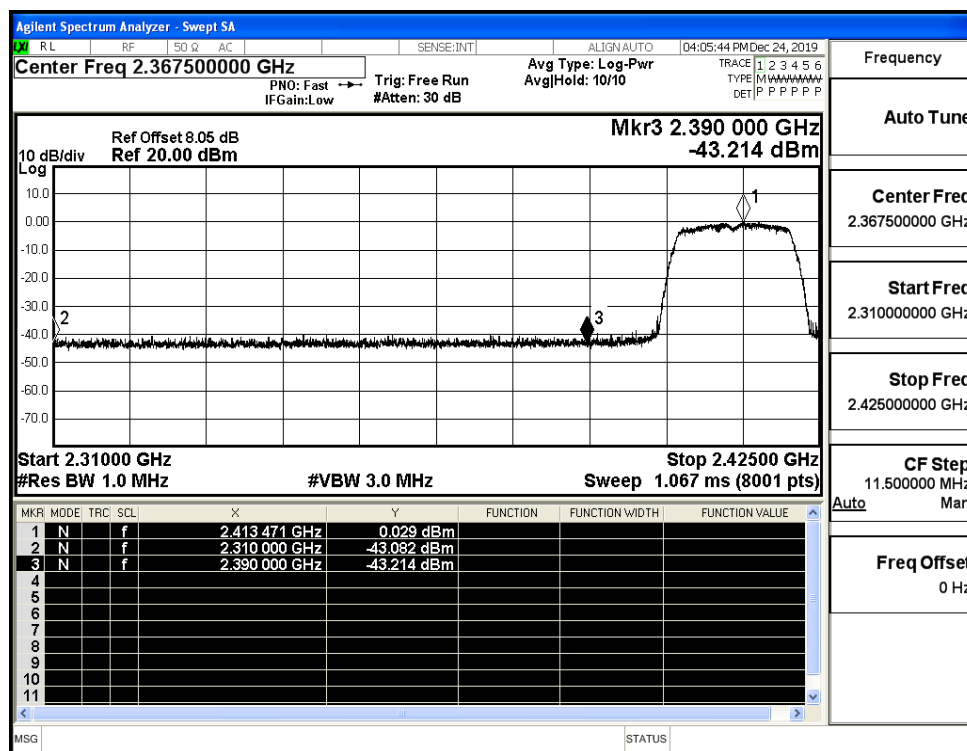
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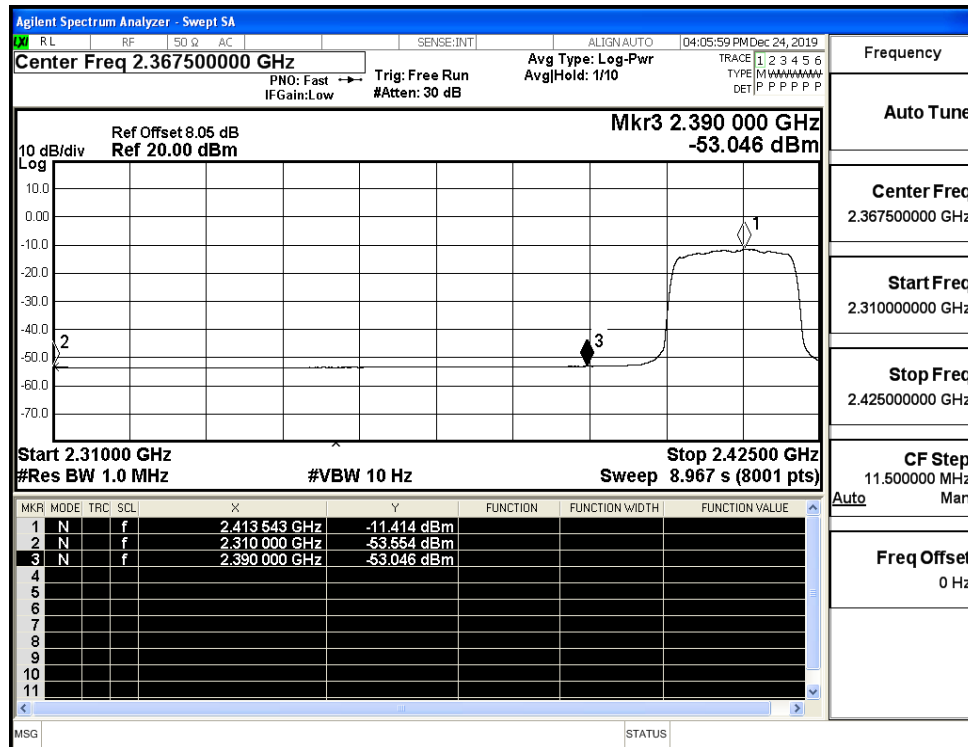
Restrict-band band-edge measurements_11N20SISO_2462_Ant1_AV



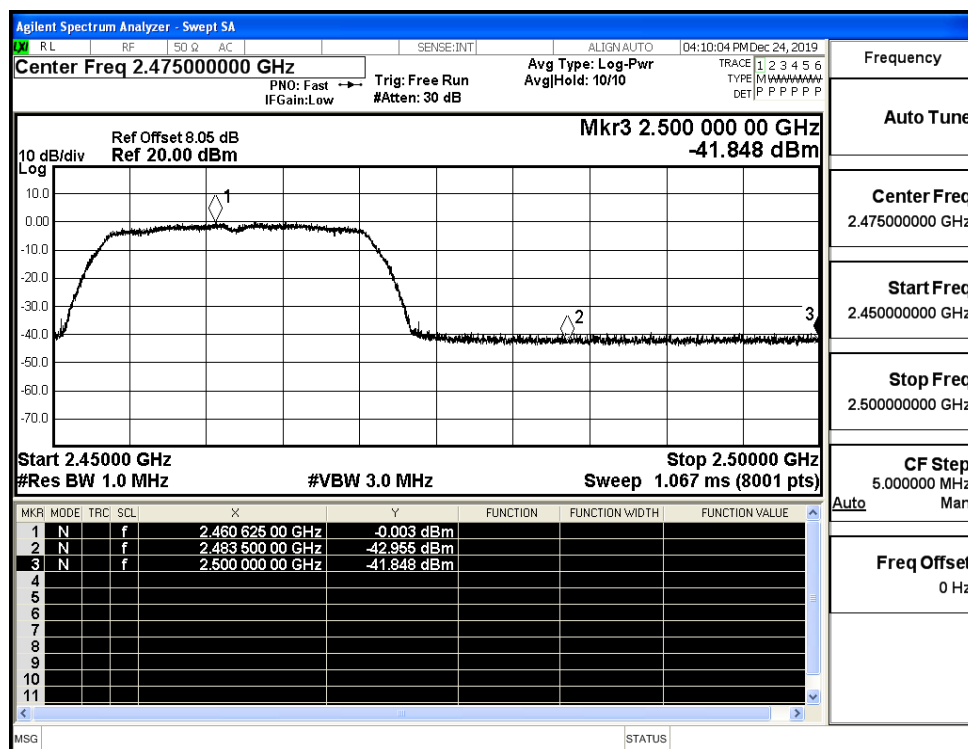
Restrict-band band-edge measurements_11N20SISO_2412_Ant1_PEAK



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

