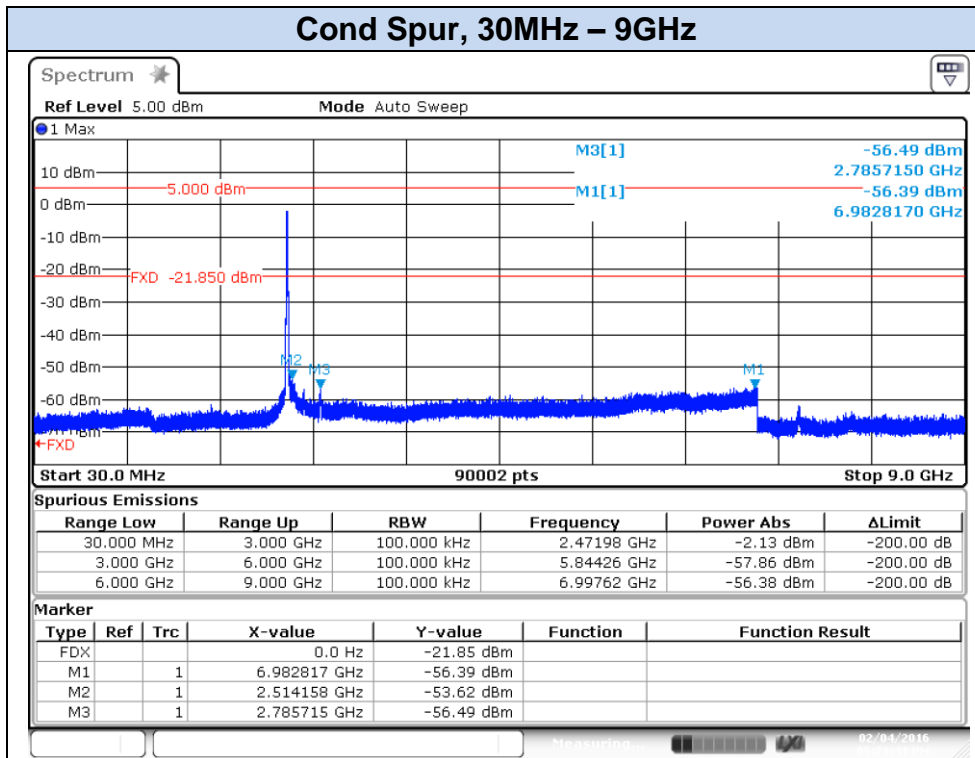
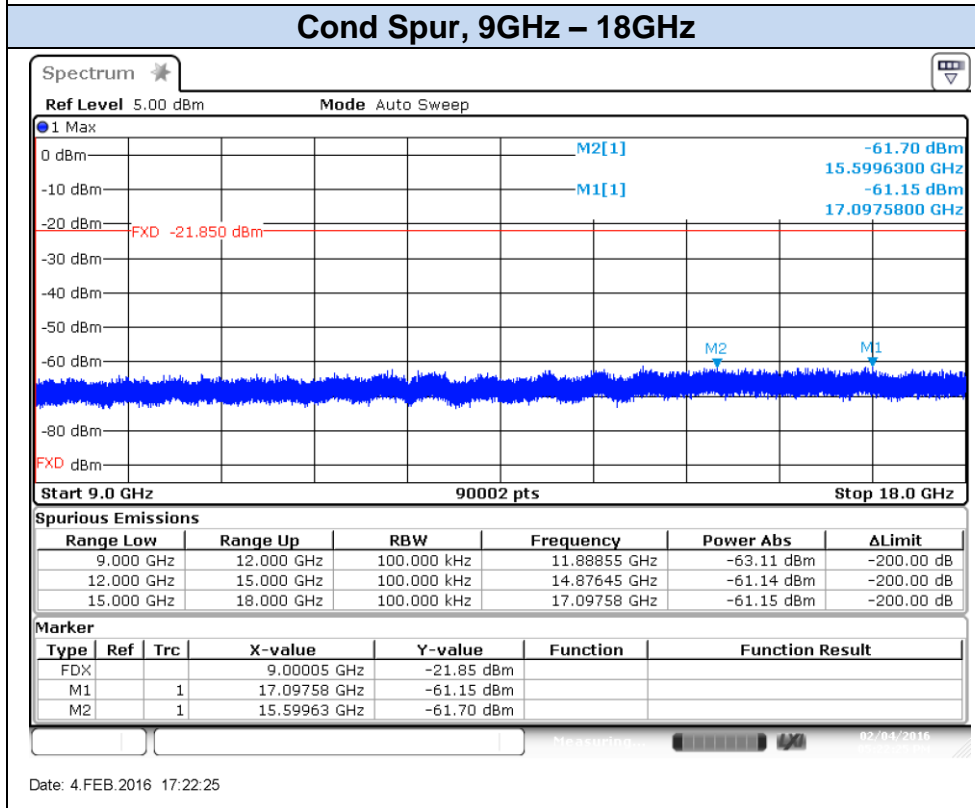


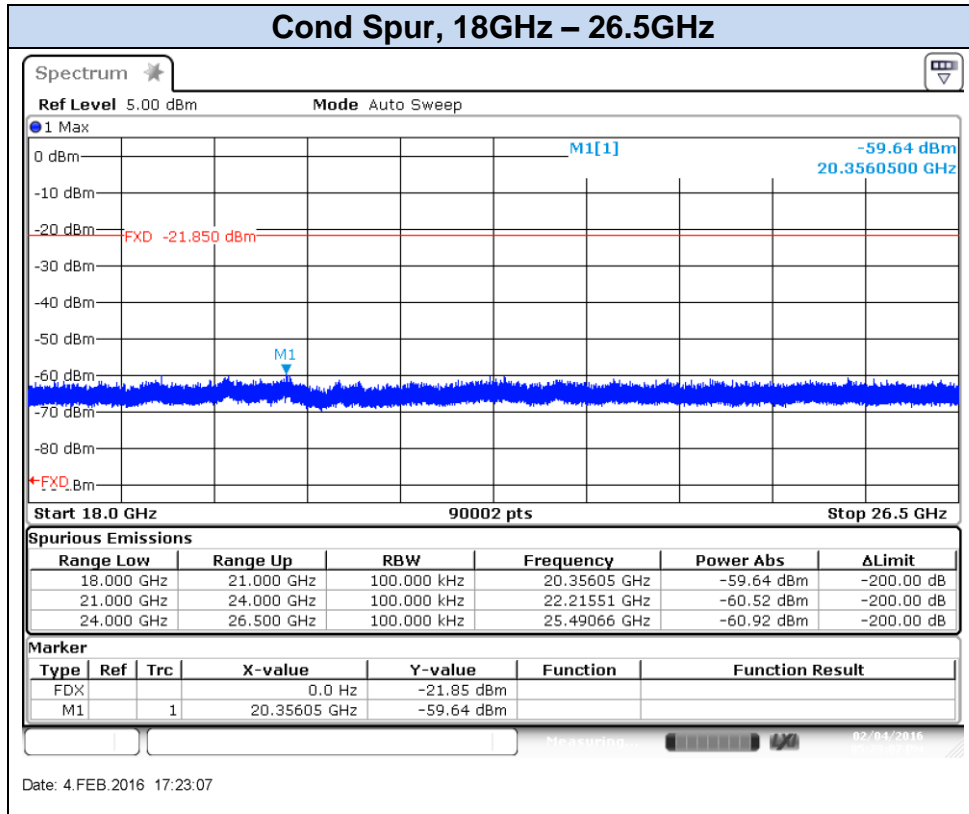
802.11g, 6Mbps – Chain A, CH12

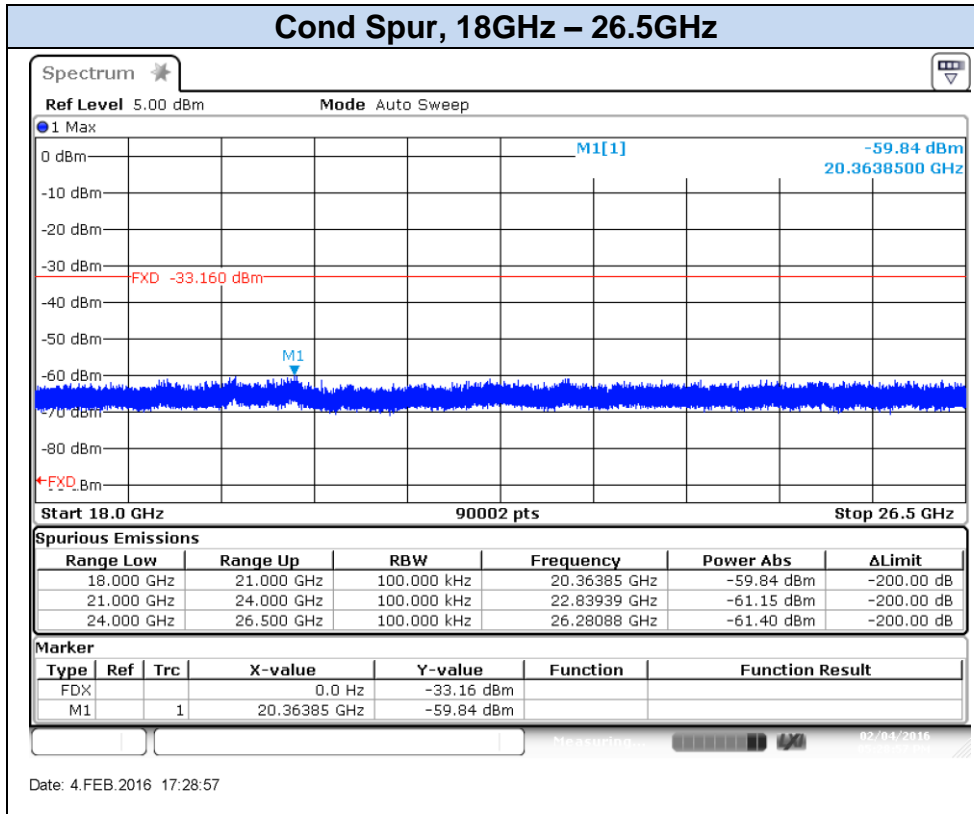


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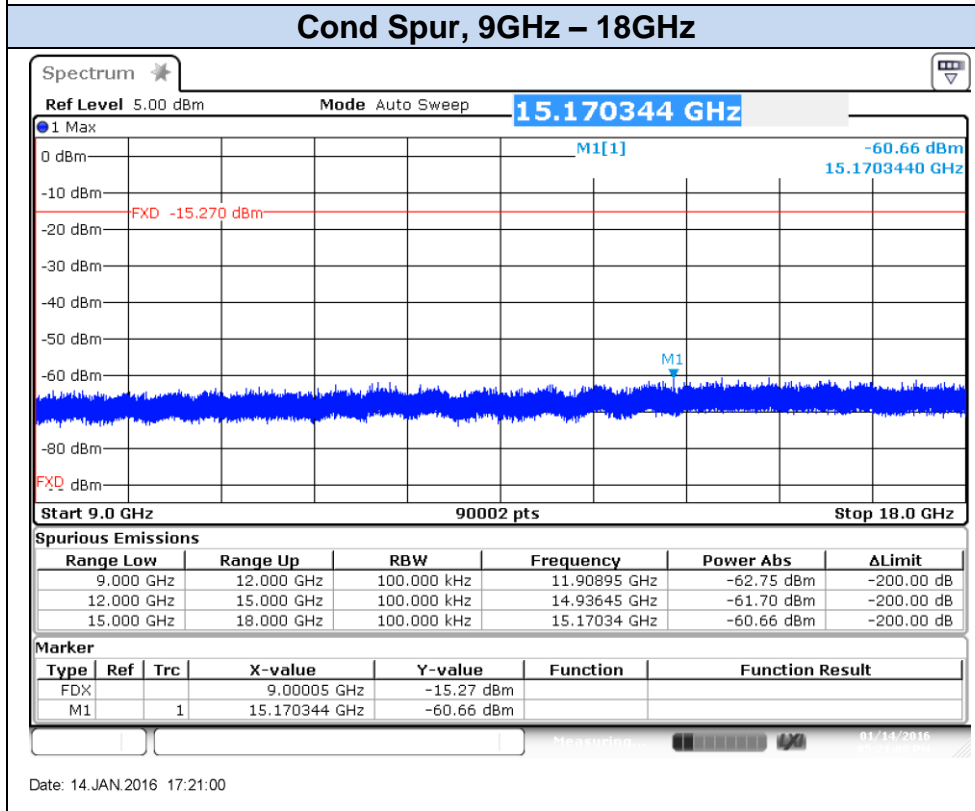
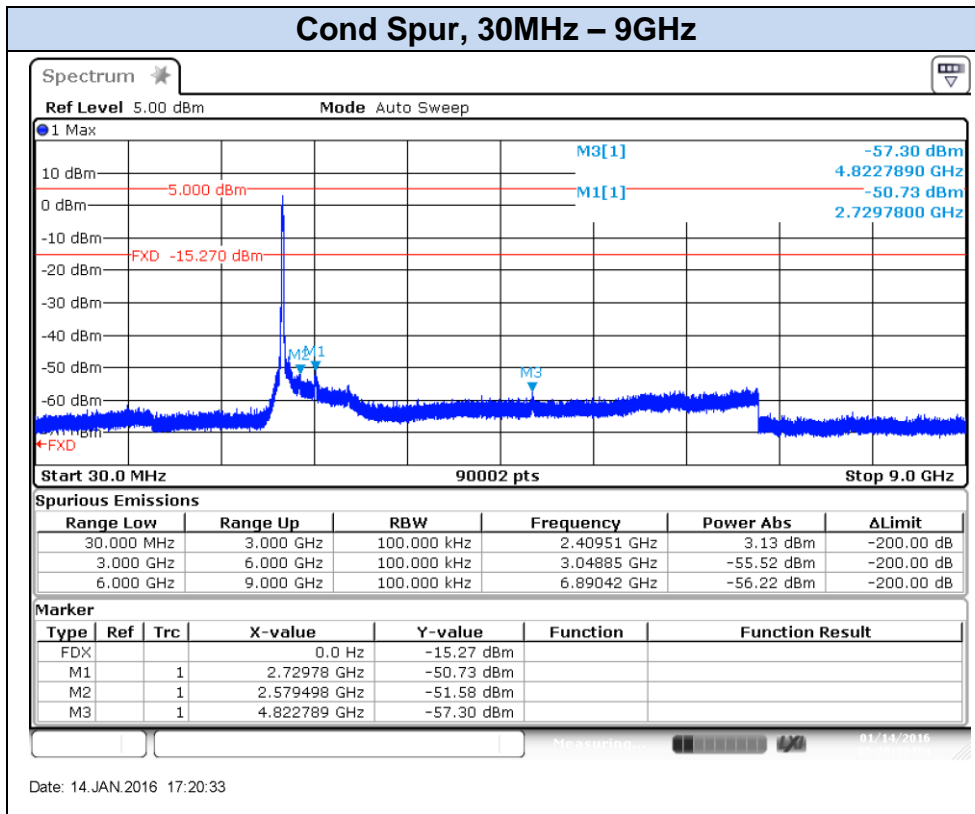


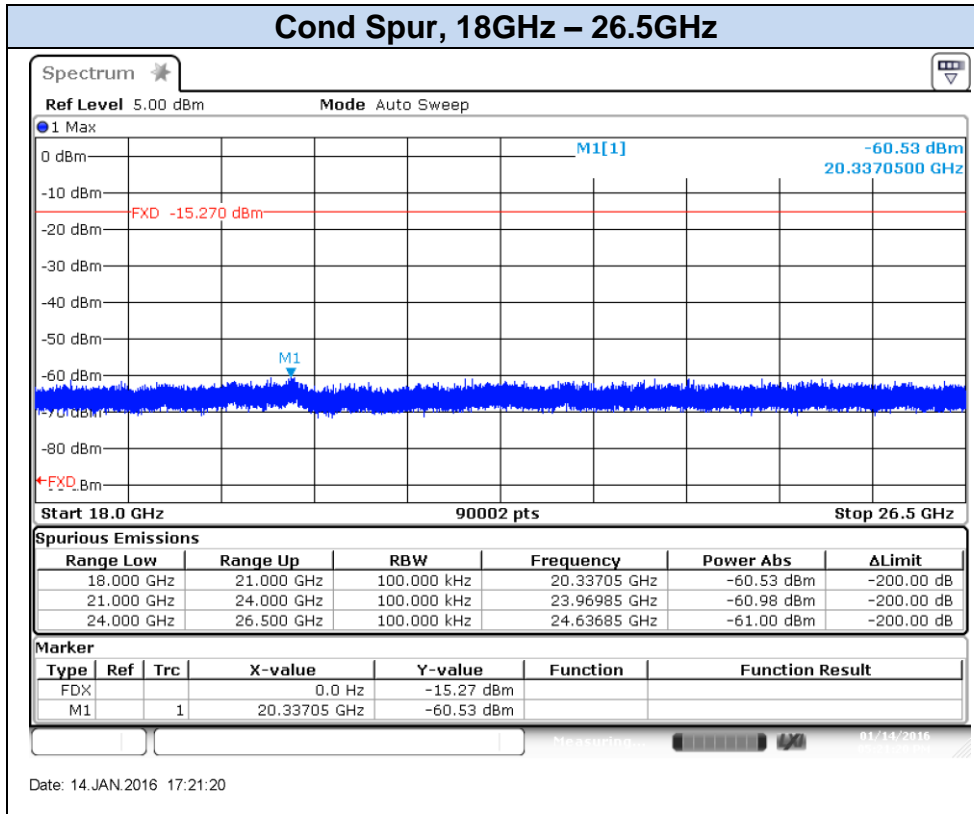
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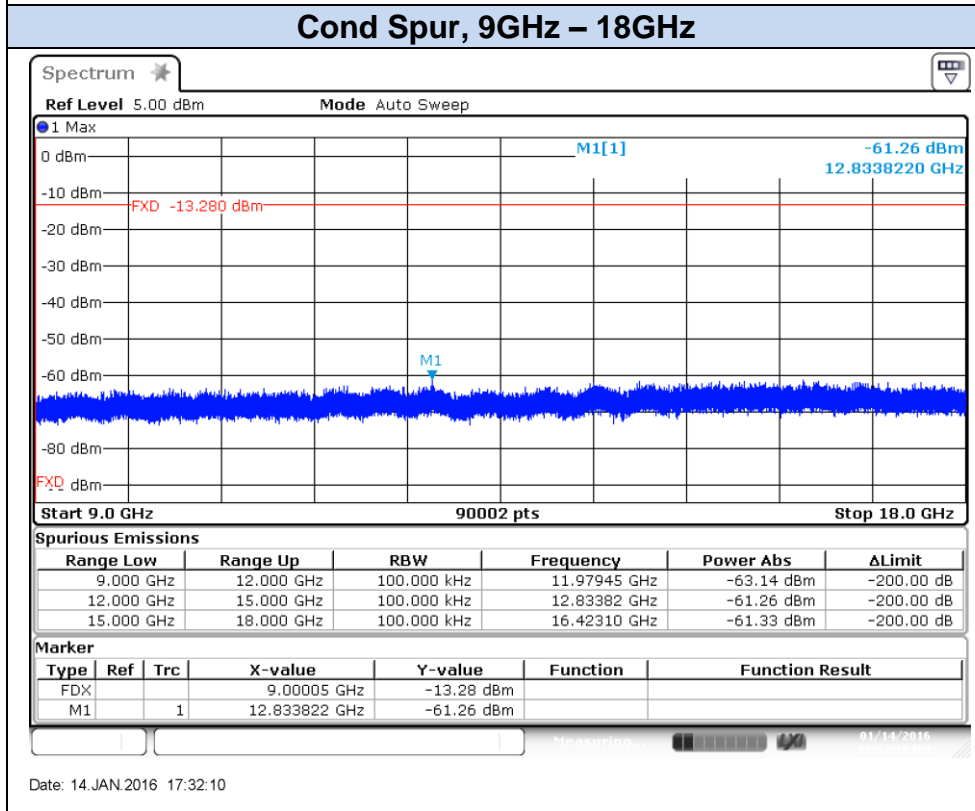
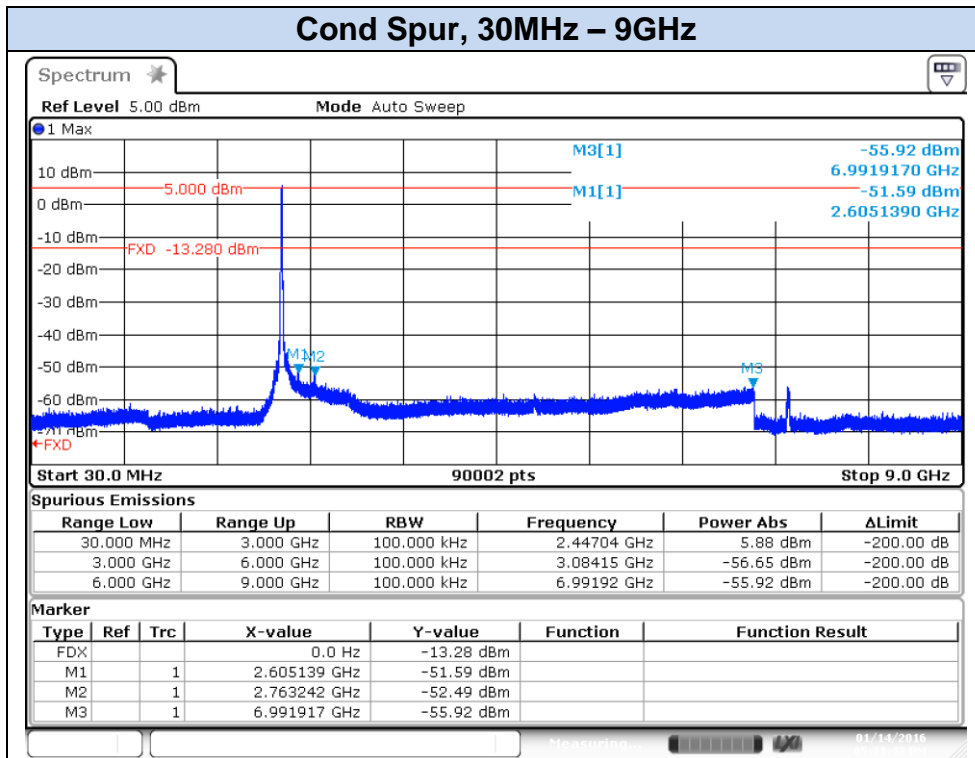


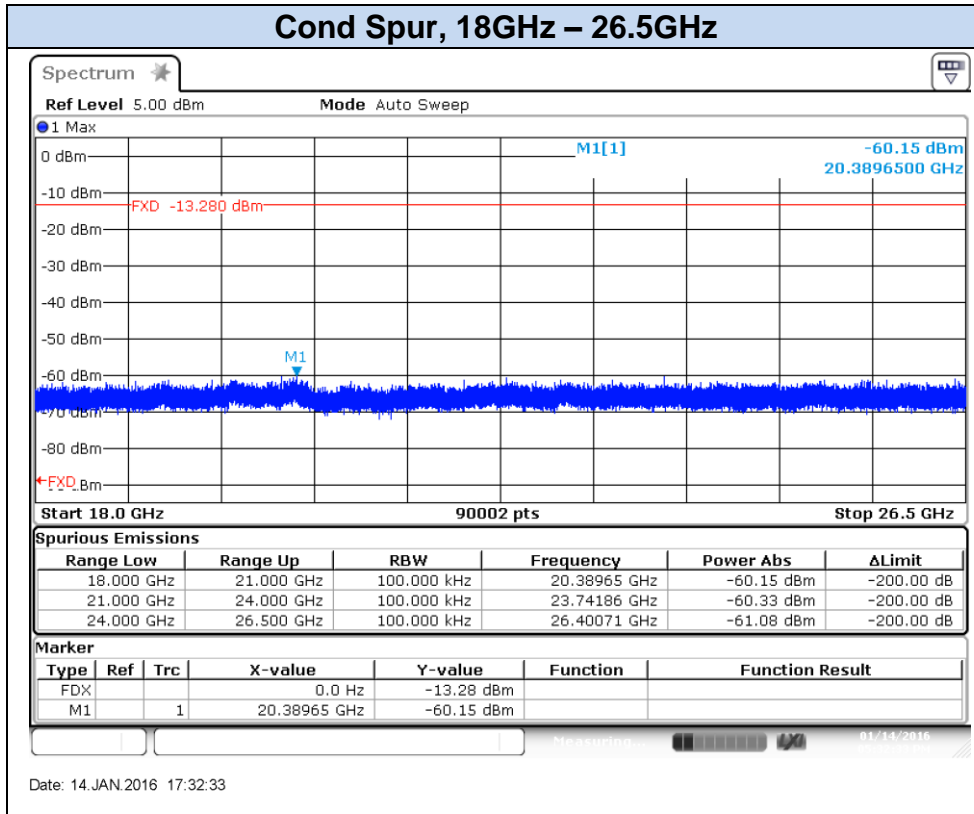
802.11n20, HT0 – Chain A, CH1



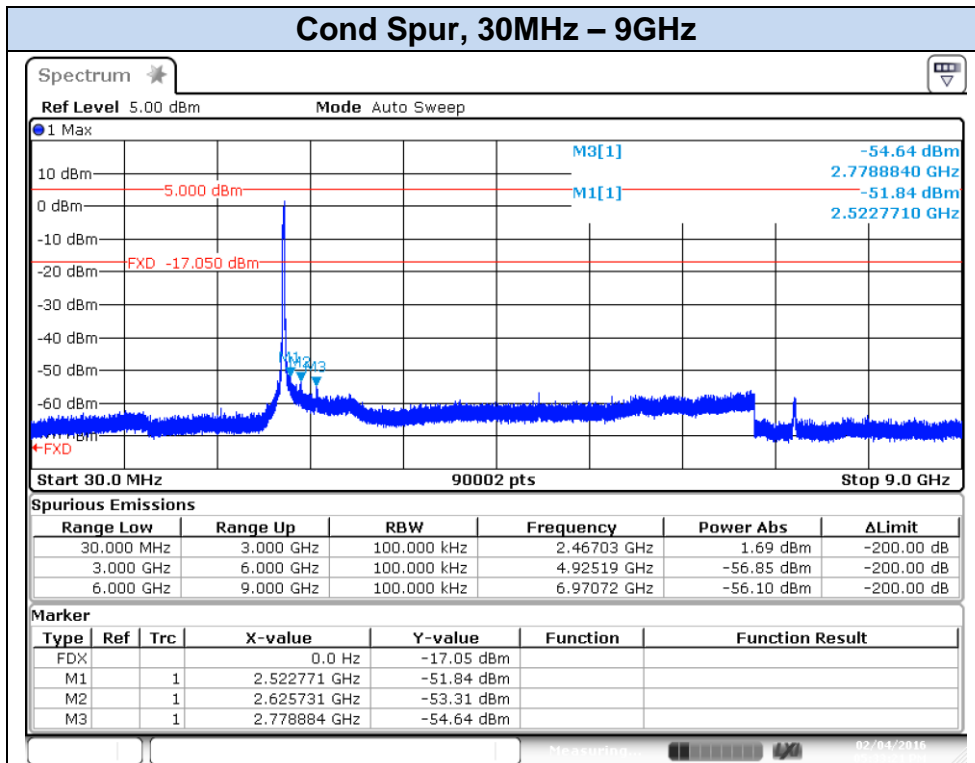


802.11n20, HT0 – Chain A, CH7

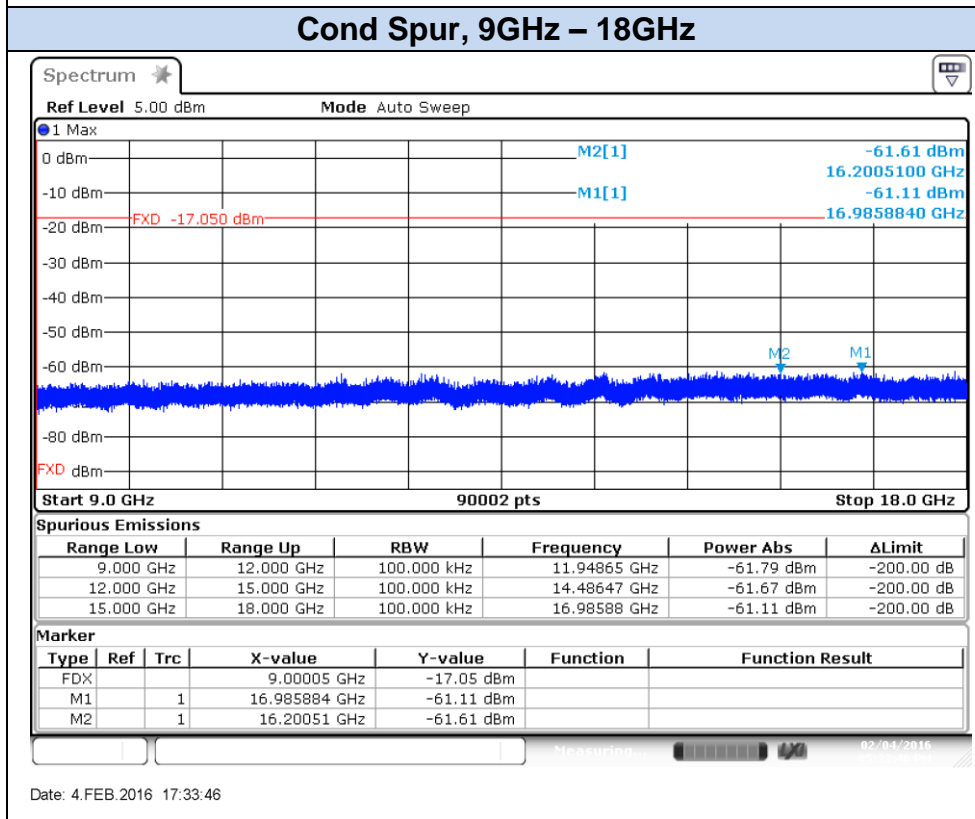




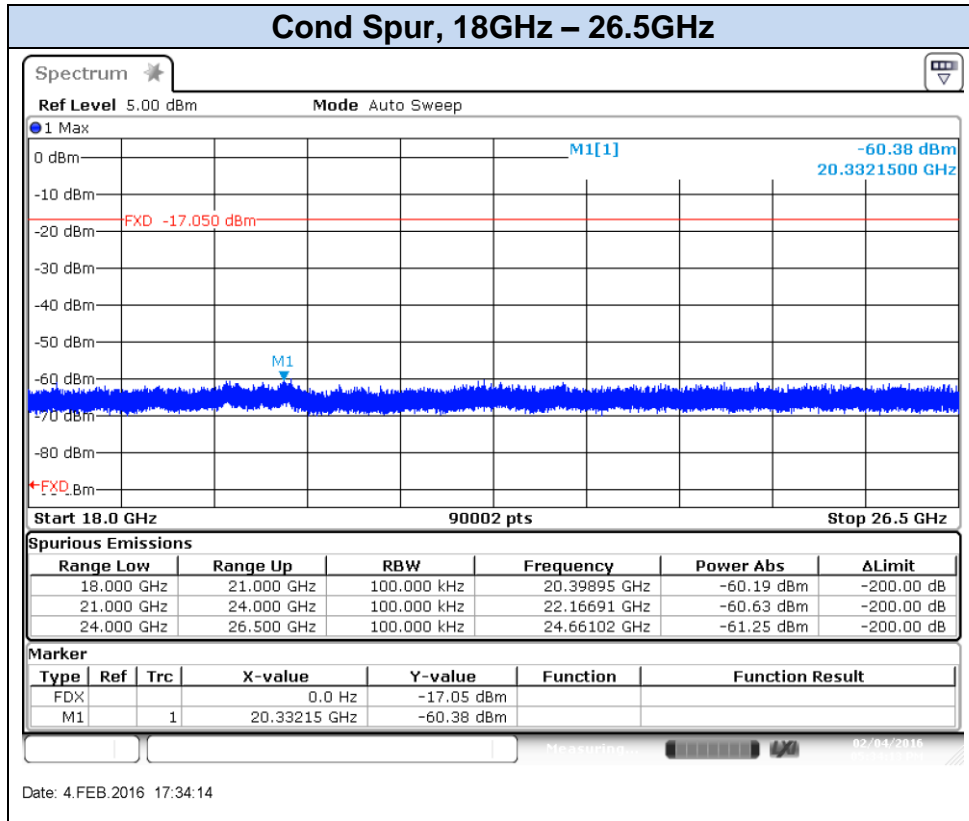
802.11n20, HT0 – Chain A, CH11



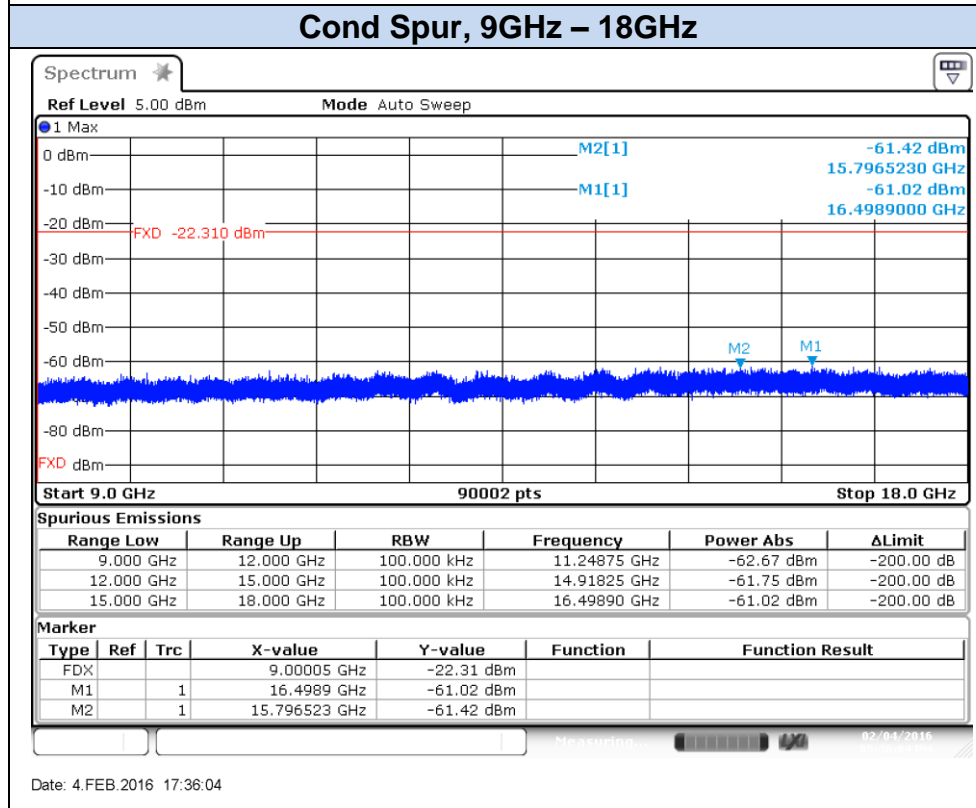
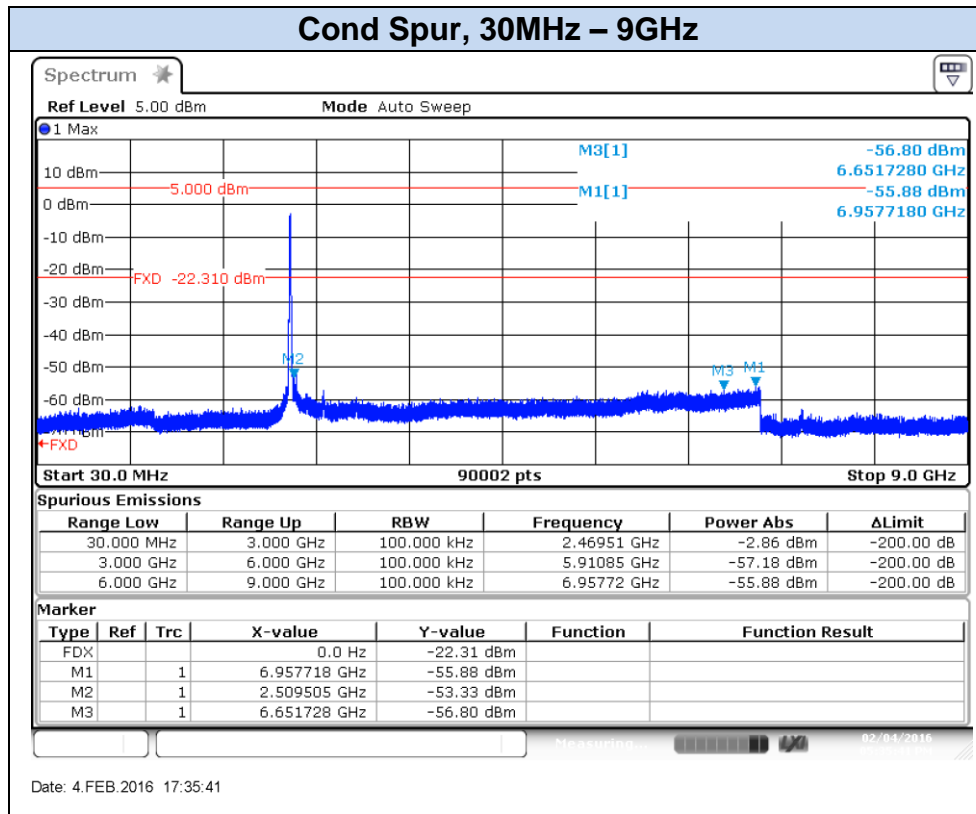
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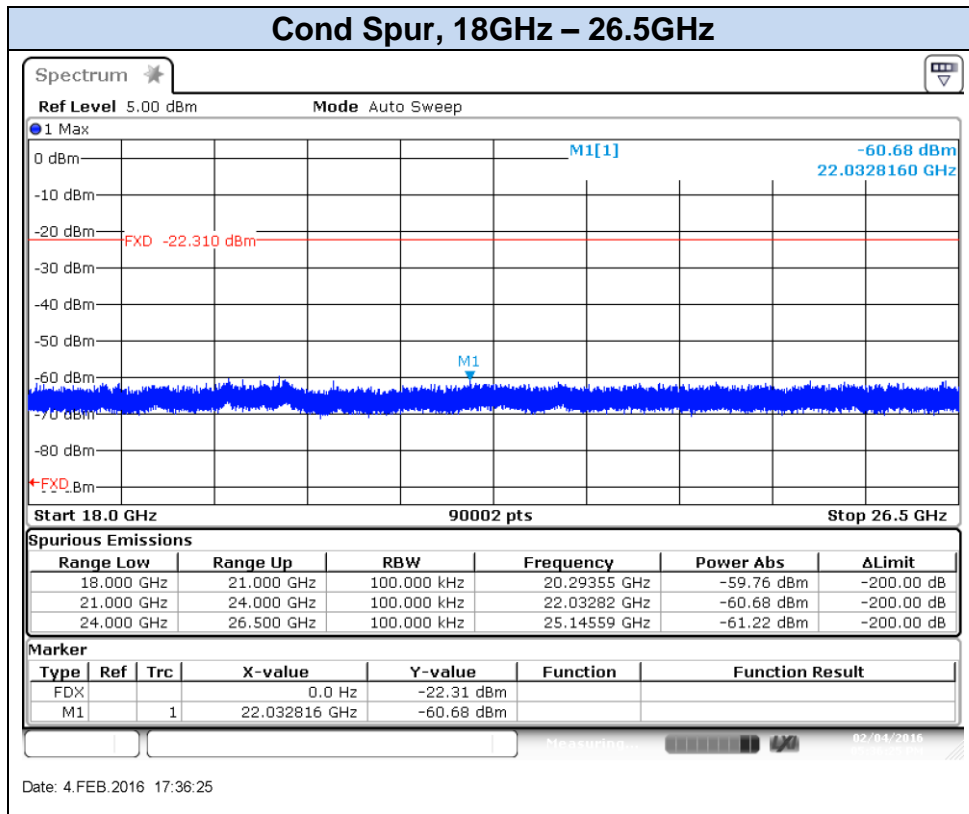


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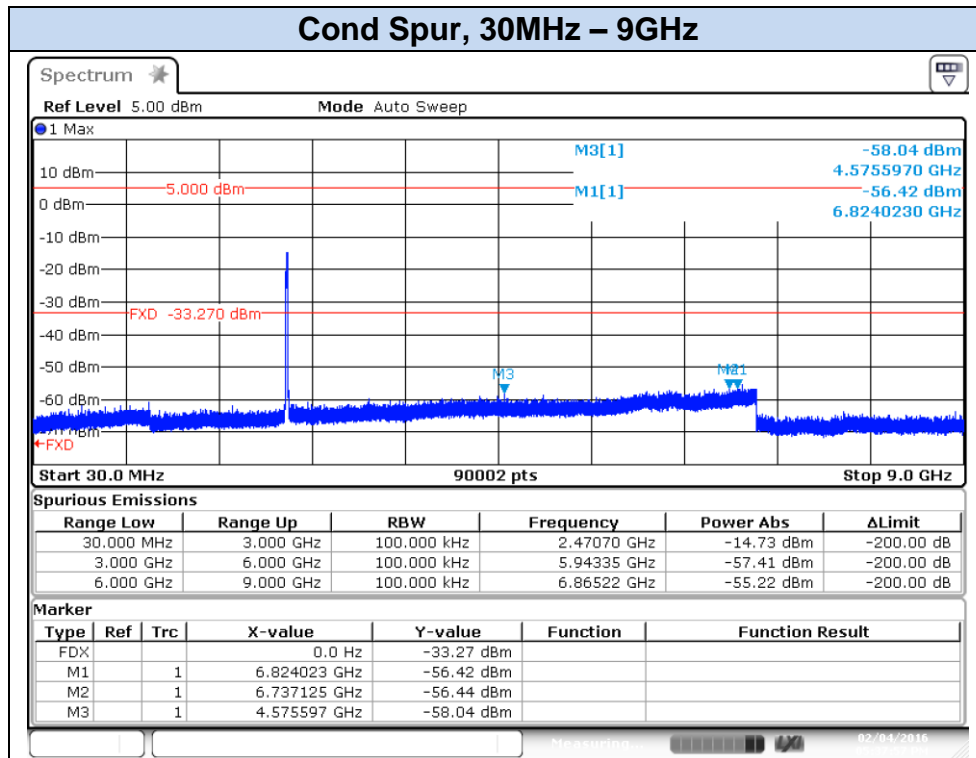


802.11n20, HT0 – Chain A, CH12

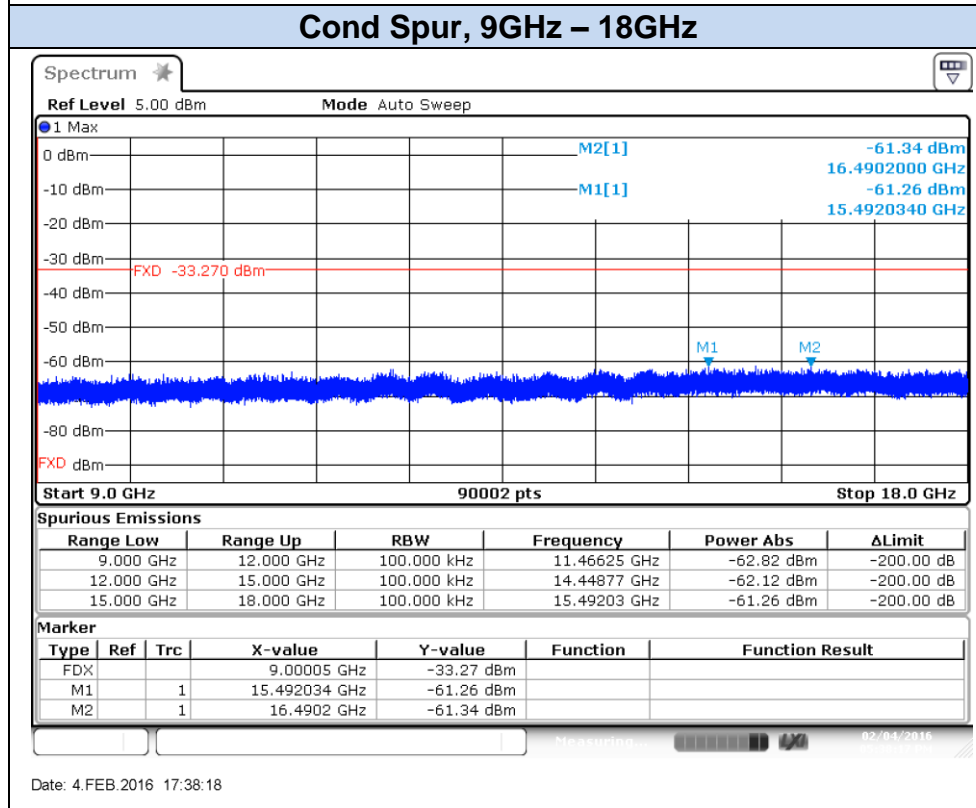




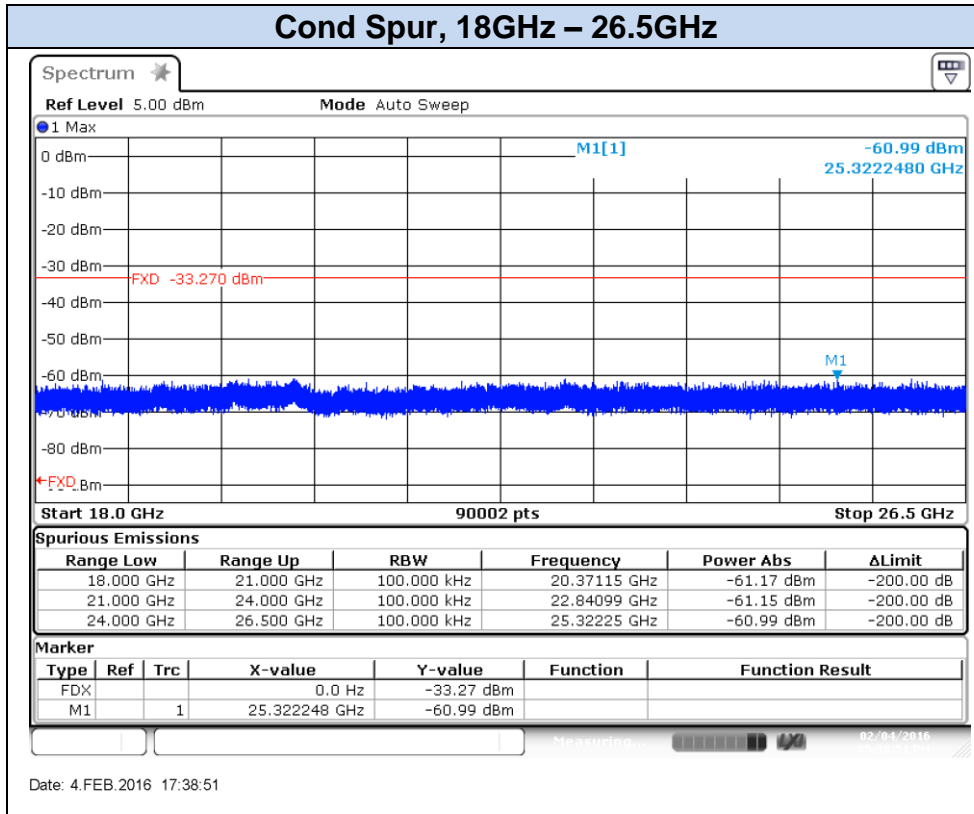
802.11n20, HT0 – Chain A, CH13



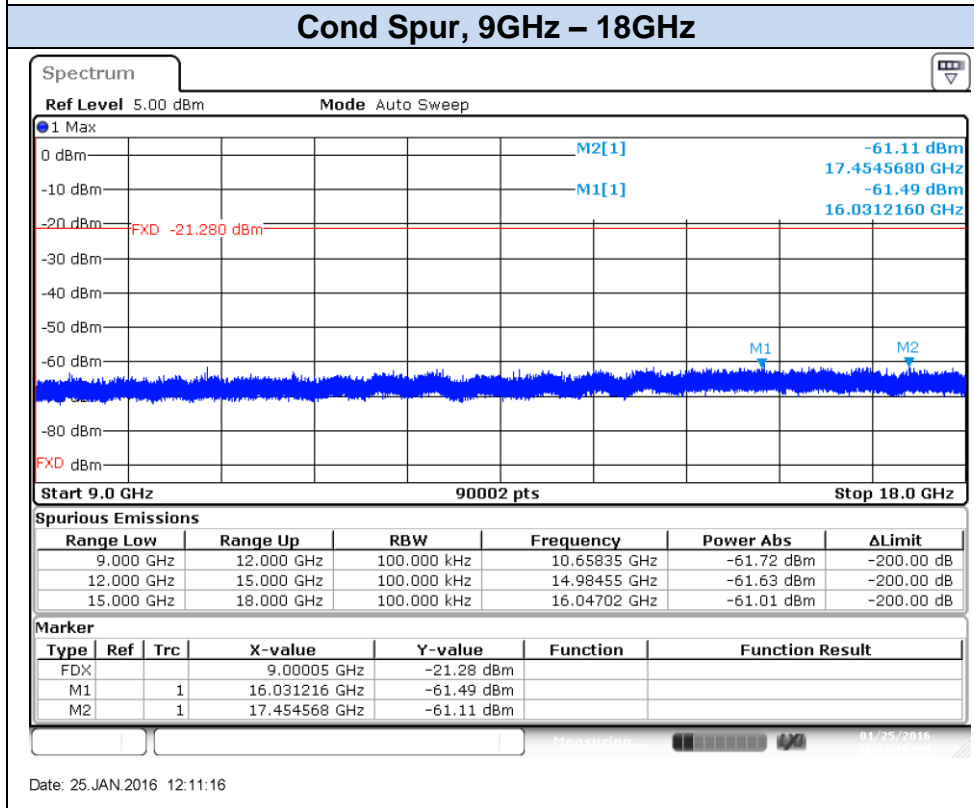
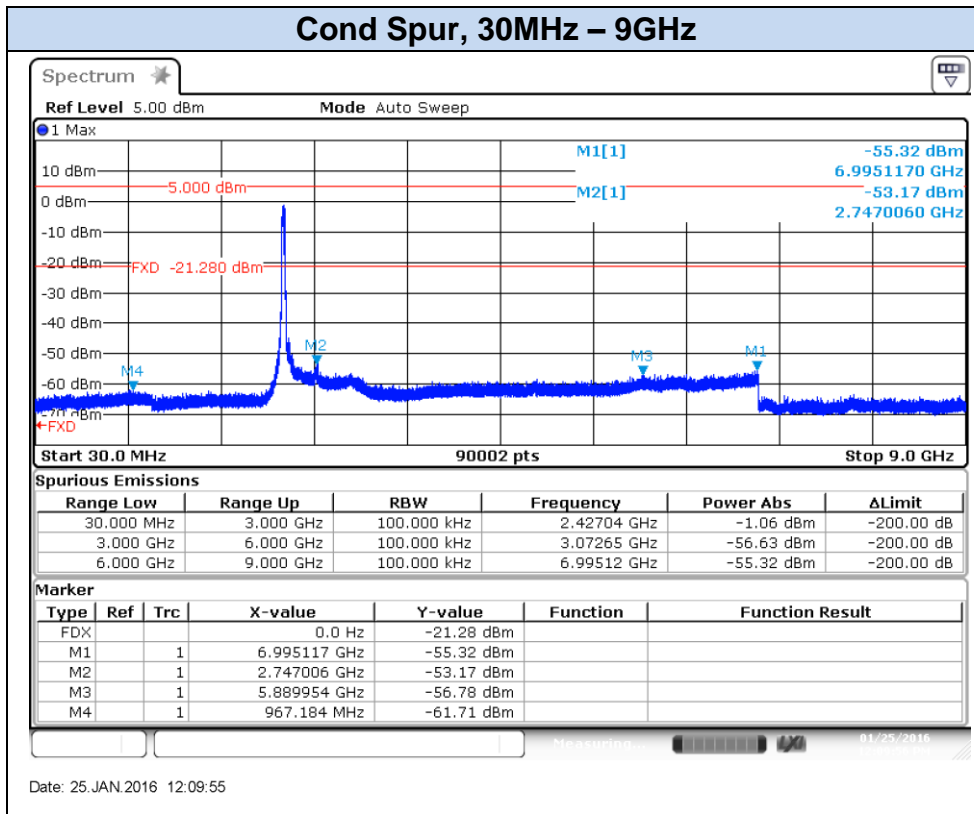
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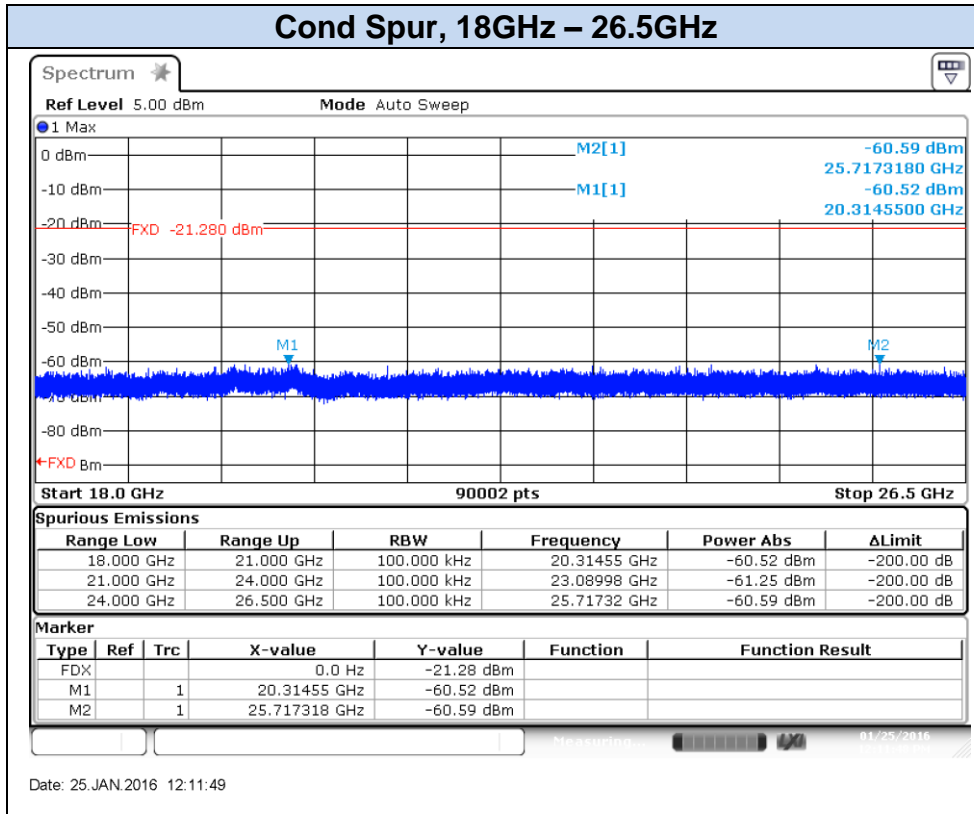


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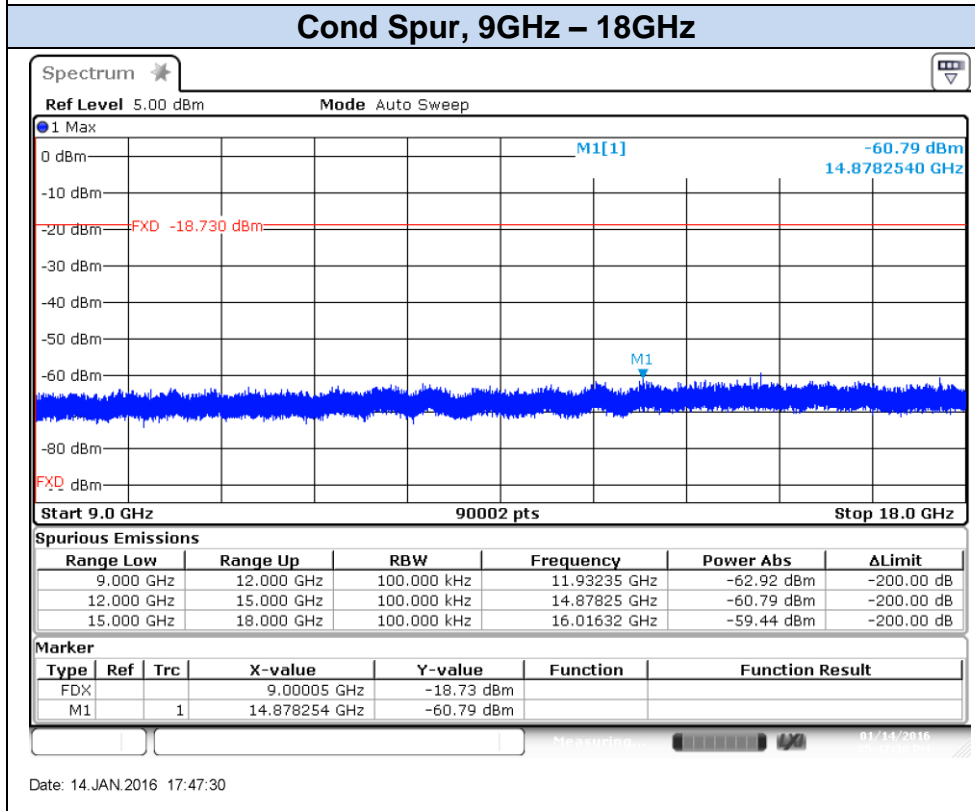
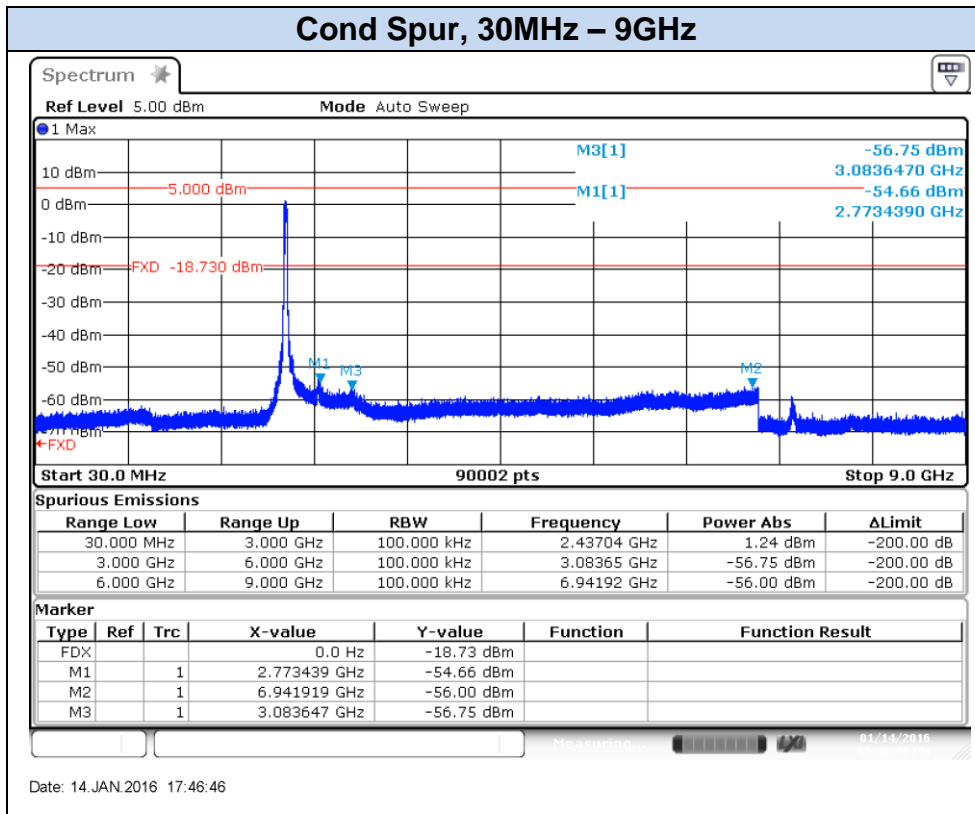


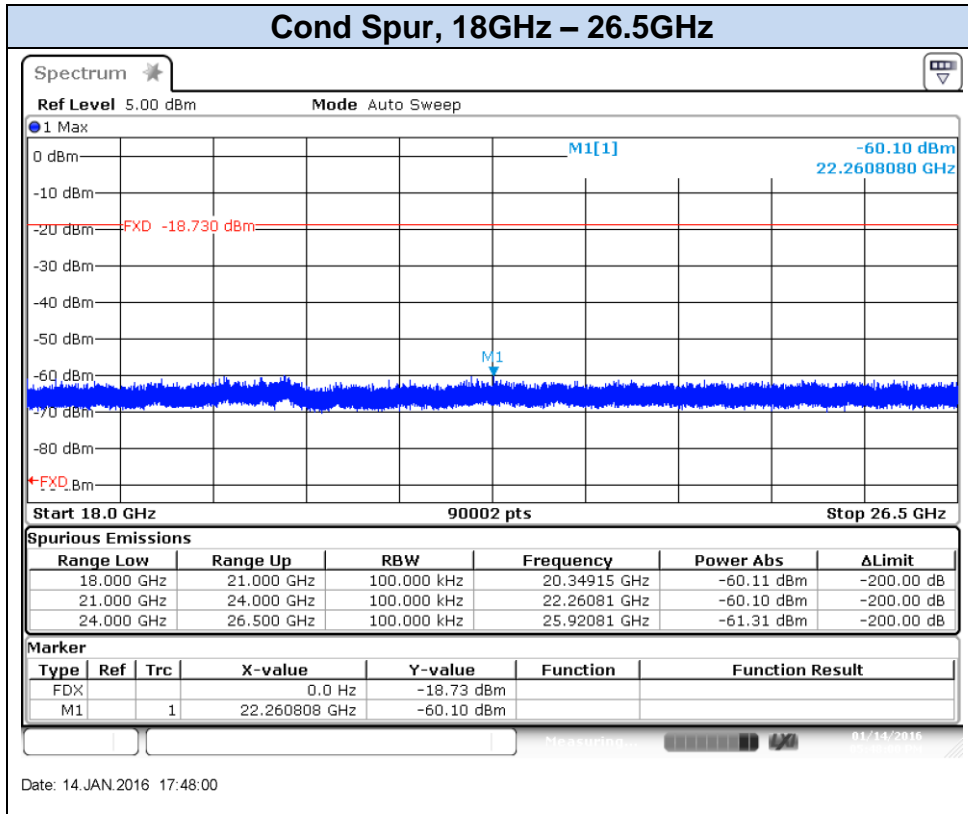
802.11n40, HT0 – Chain A, CH3F



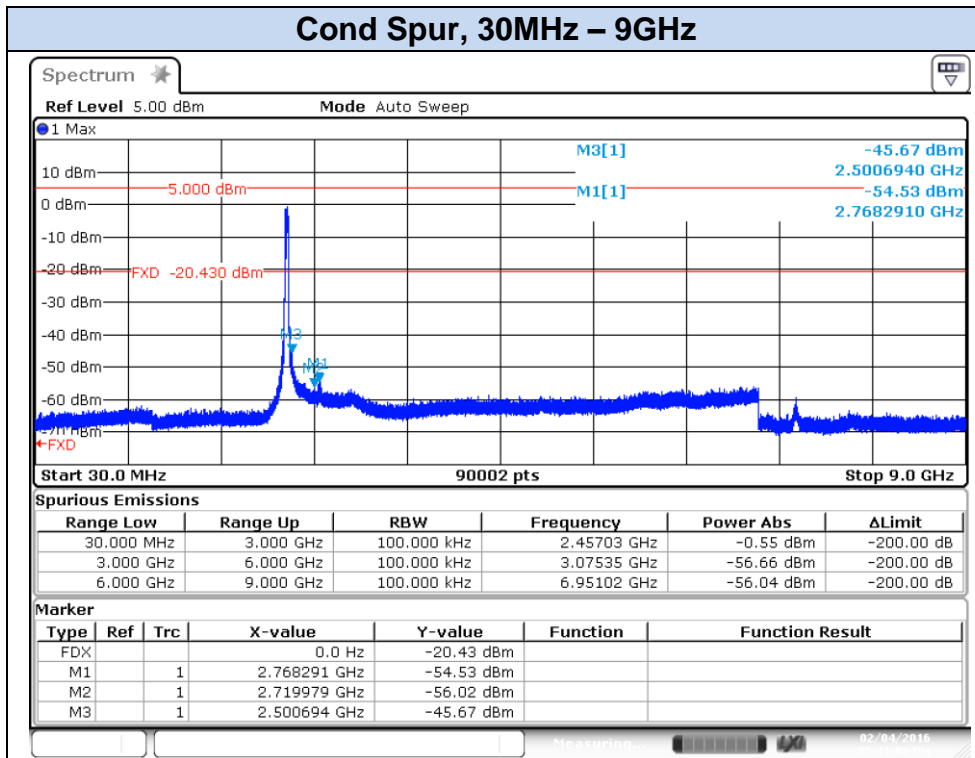


802.11n40, HT0 – Chain A, CH7F

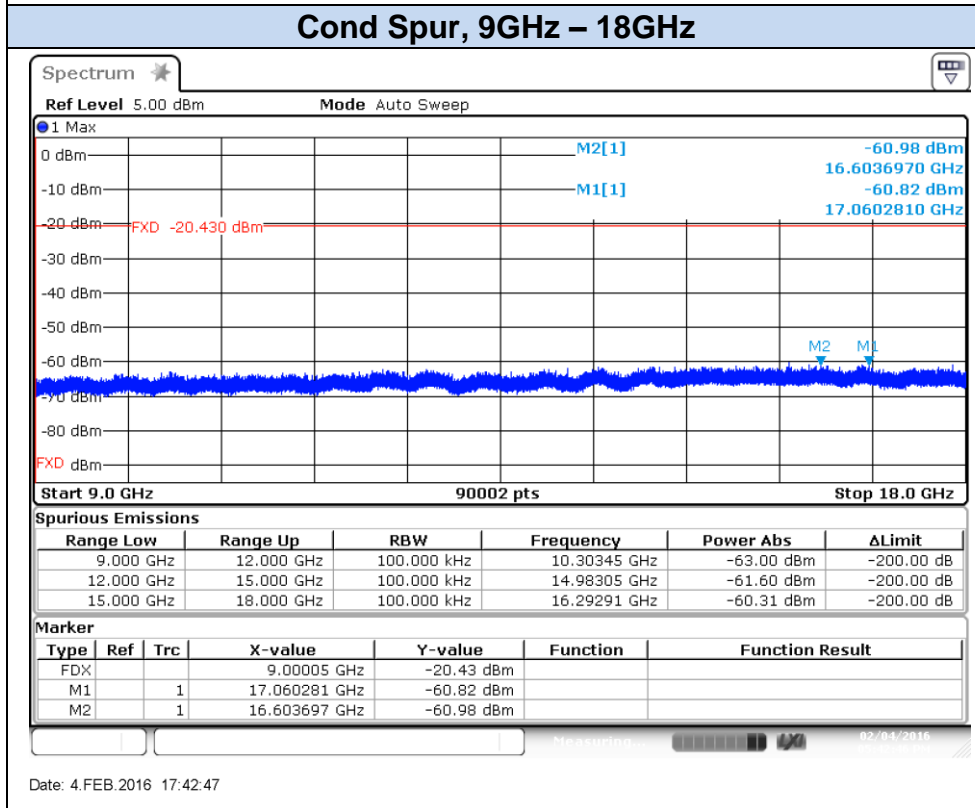




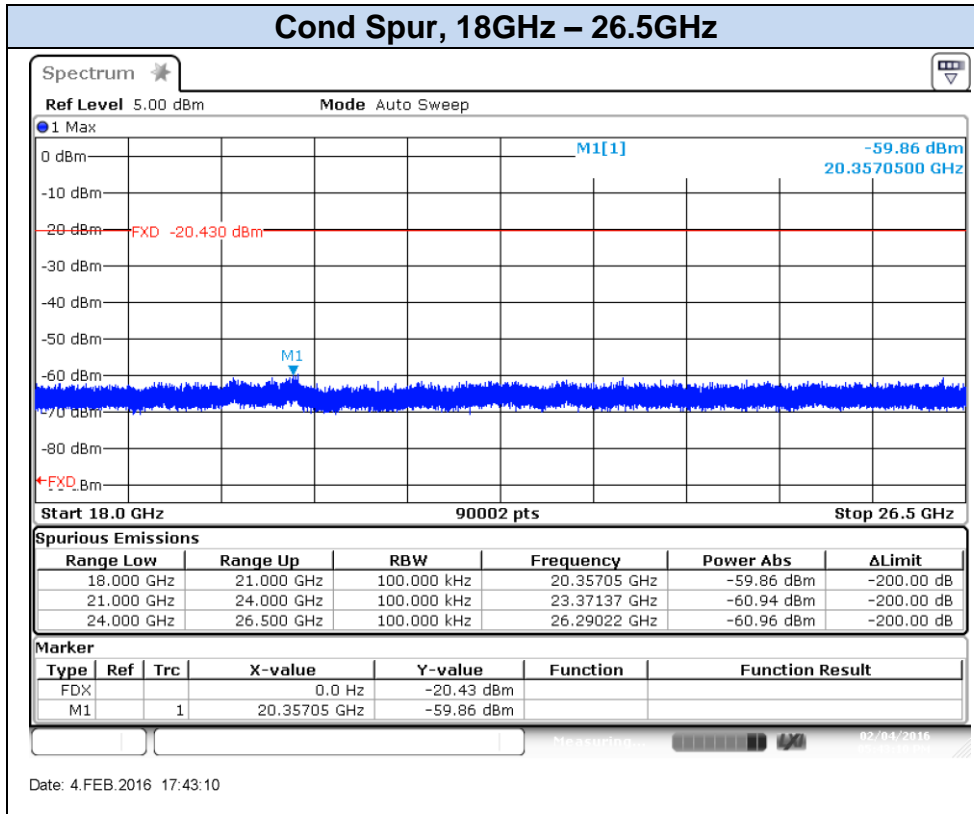
802.11n40, HT0 – Chain A, CH9F



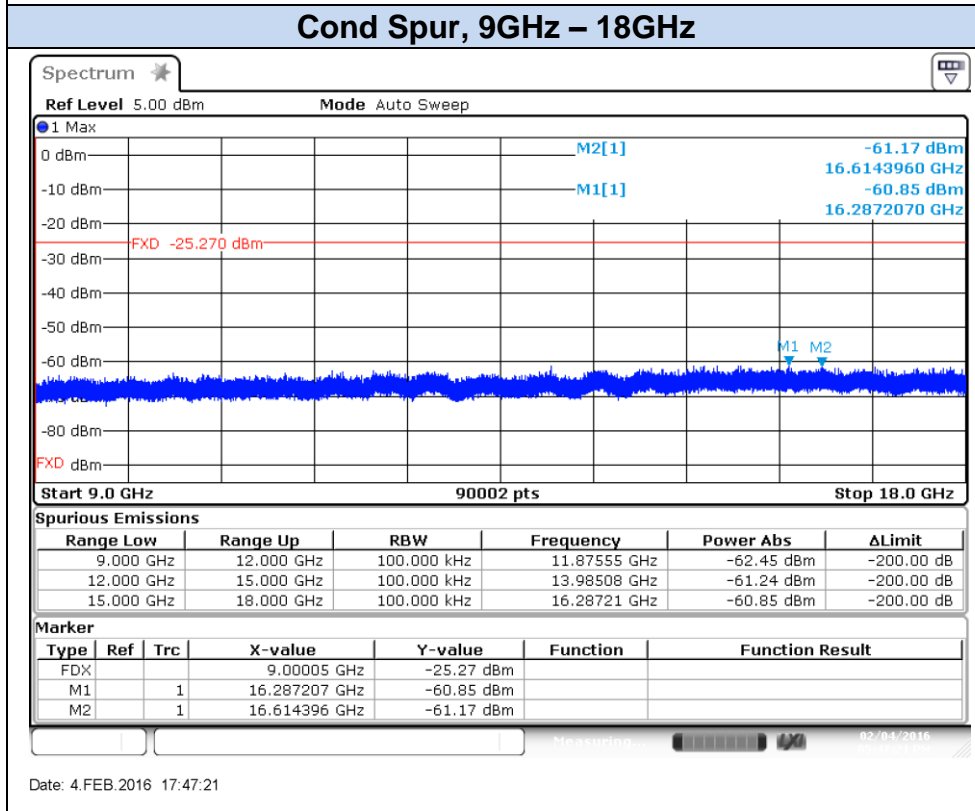
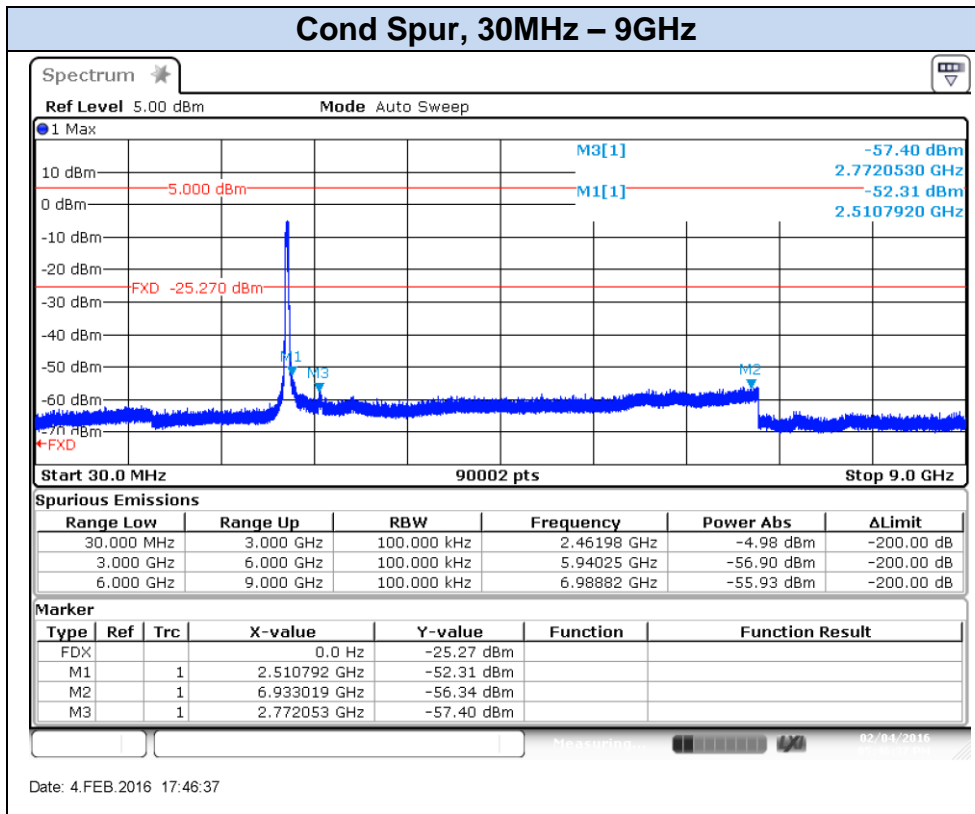
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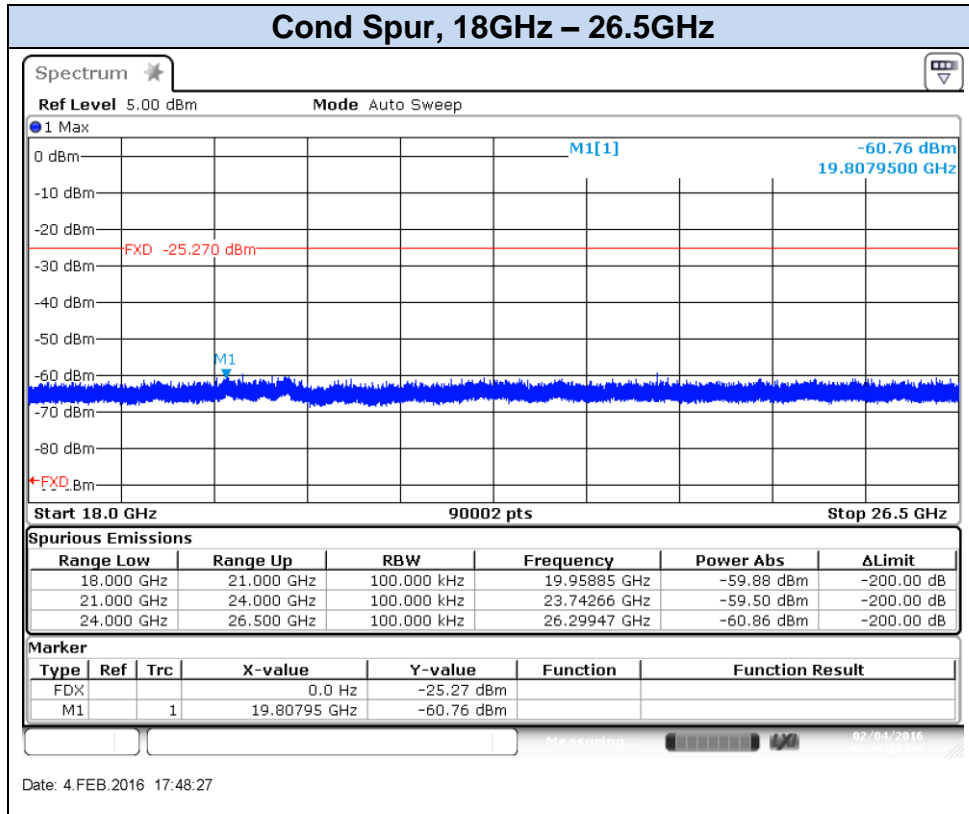


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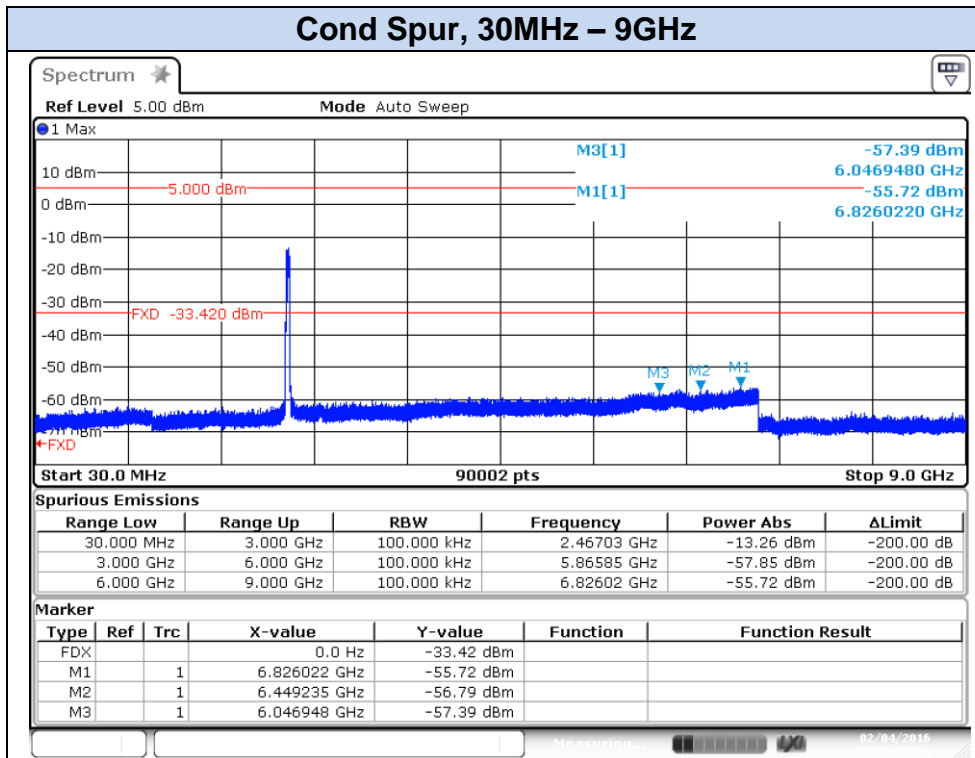


802.11n40, HT0 – Chain A, CH10F

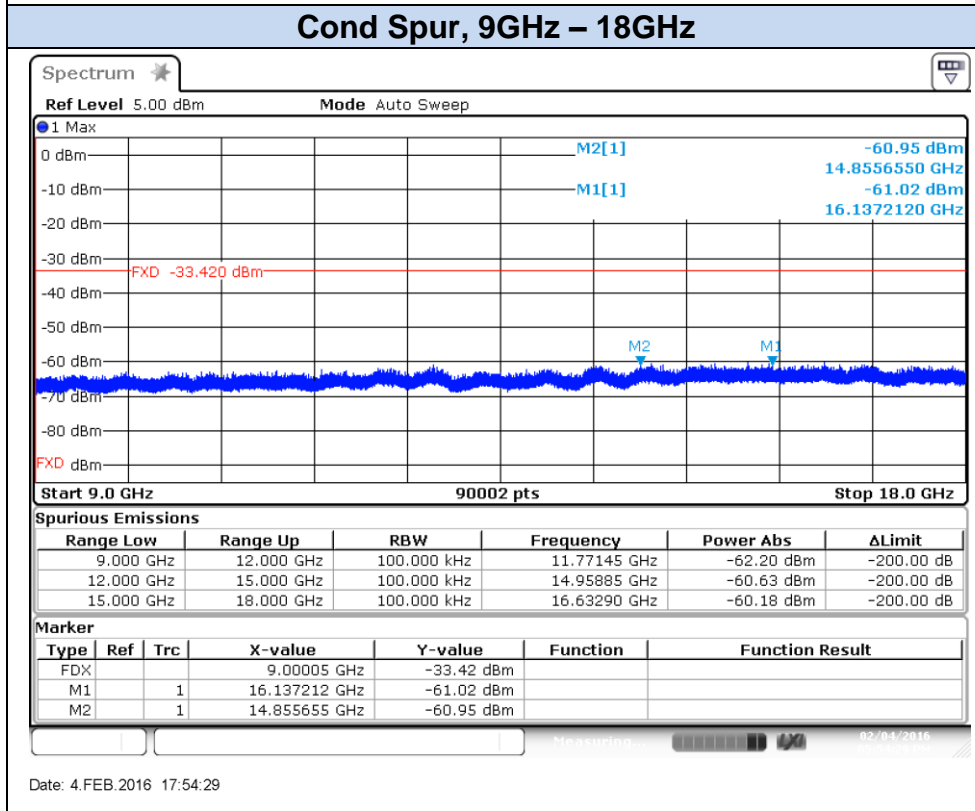




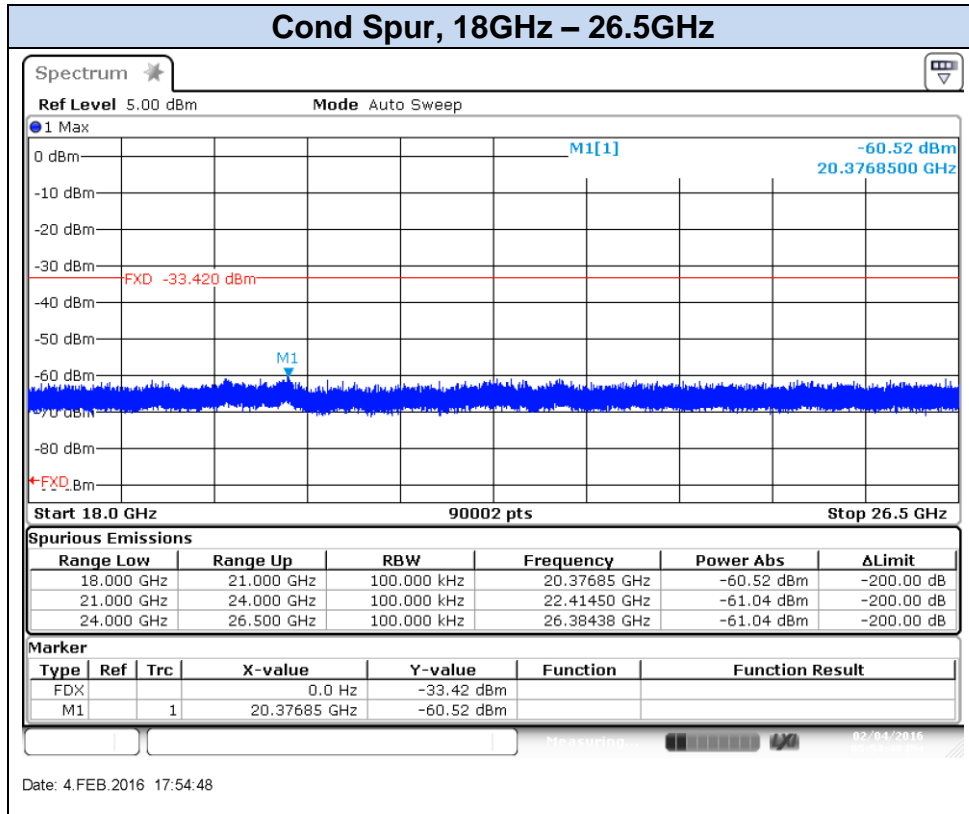
802.11n40, HT0 – Chain A, CH11F



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Date: 4.FEB.2016 17:54:29



B.4 Power Spectral Density

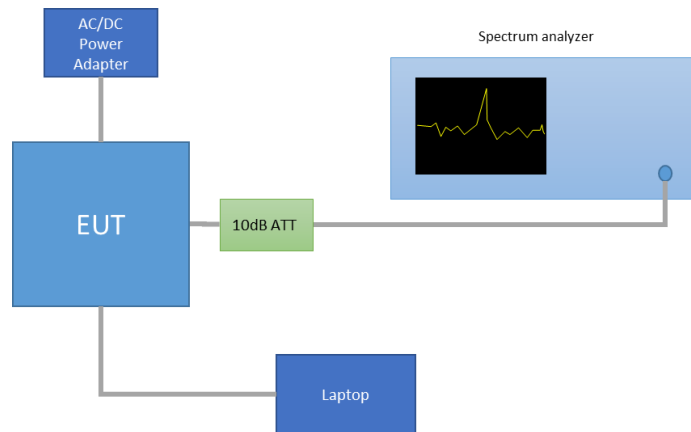
Test limits:

FCC part	RSS part	Limits
15.247 (e)	RSS-247 Clause 5.2 (2)	For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

Test procedure:

The peak power spectral density level in the fundamental emission was measured using the *Method PKPSD (peak PSD)* according to point 10.2 of KDB 558074 D01 DTS Meas Guidance. This method was used for 802.11b, 802.11g, 802.11n20 and 802.11n40 modes

The setup below was used to measure the power spectral density. The antenna terminal of the EUT is connected to the spectrum through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss.

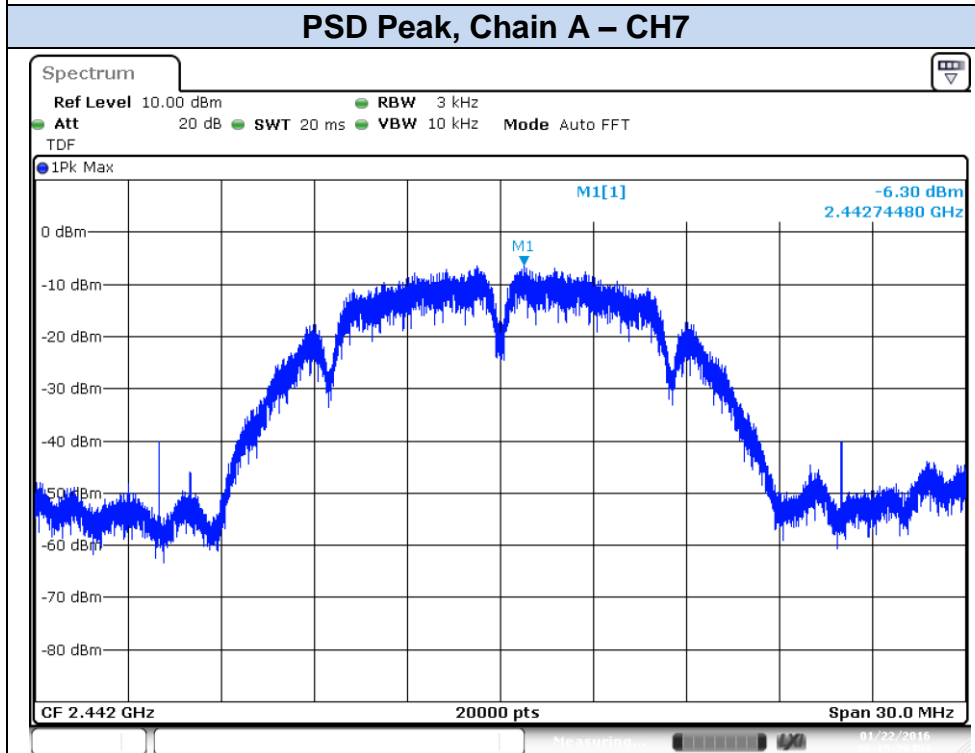
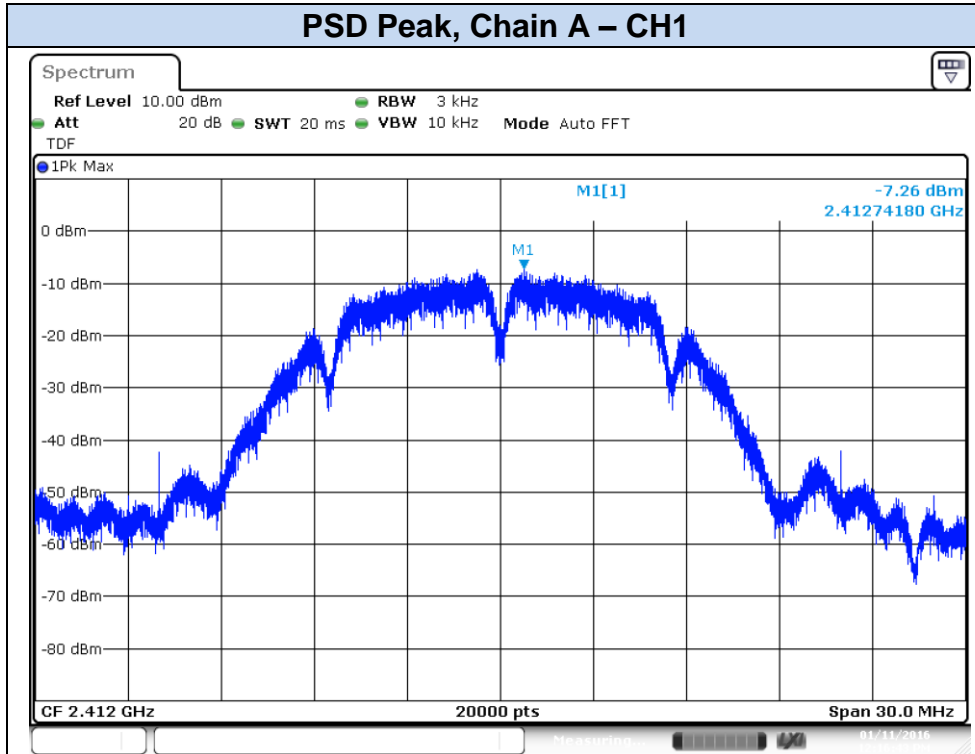


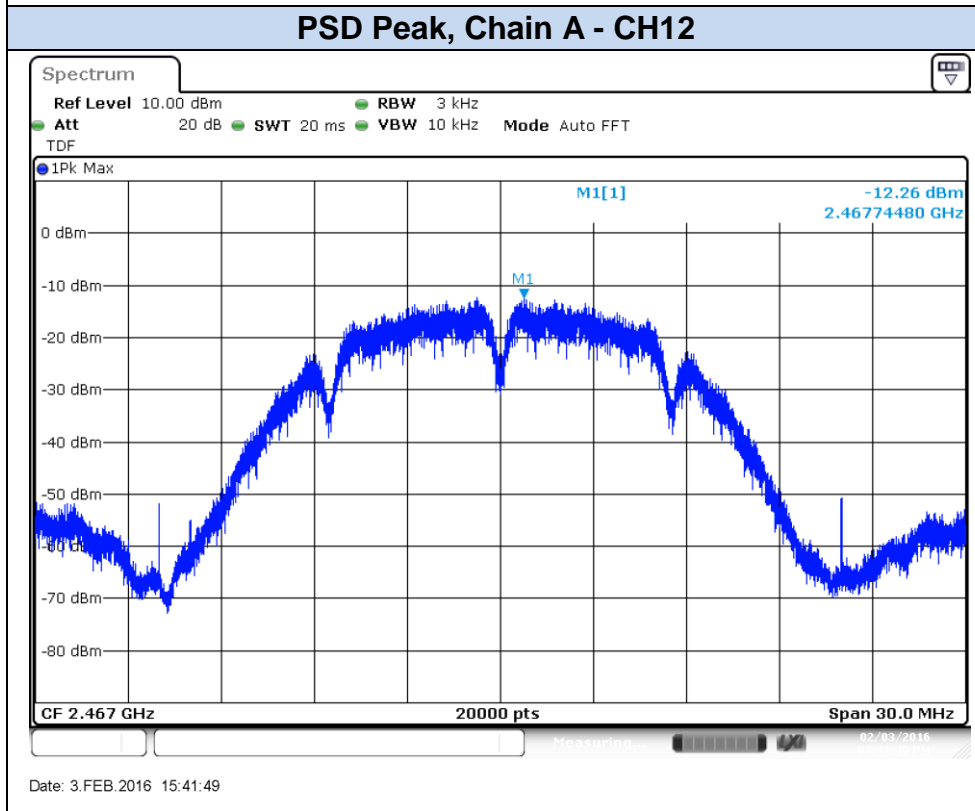
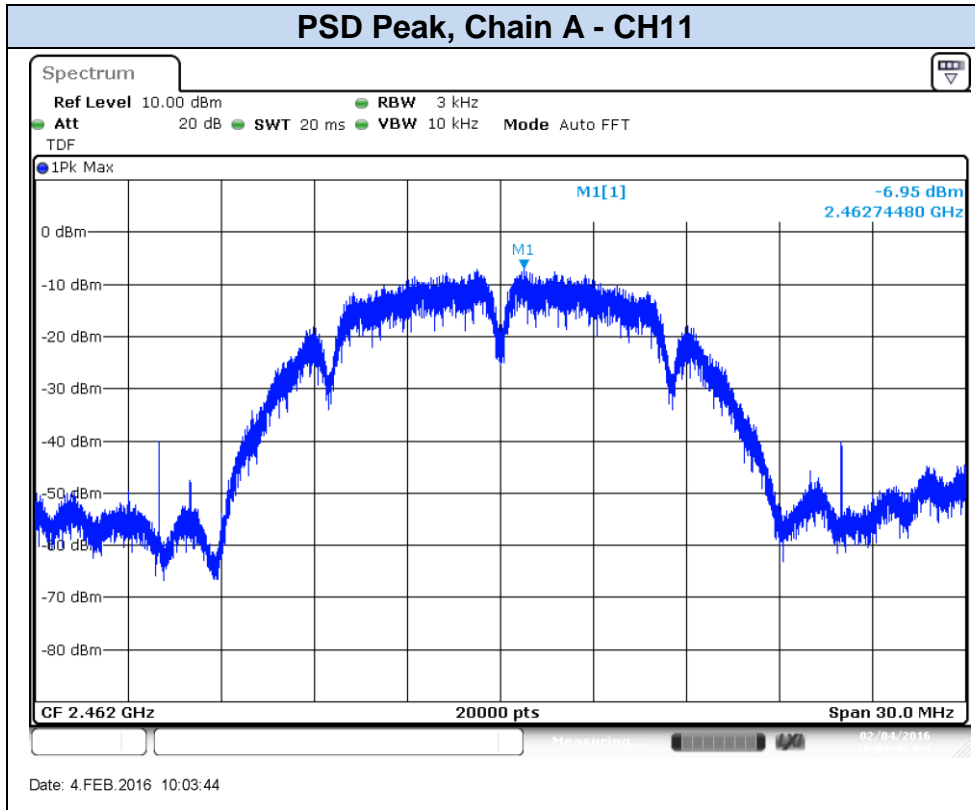
Results tables:

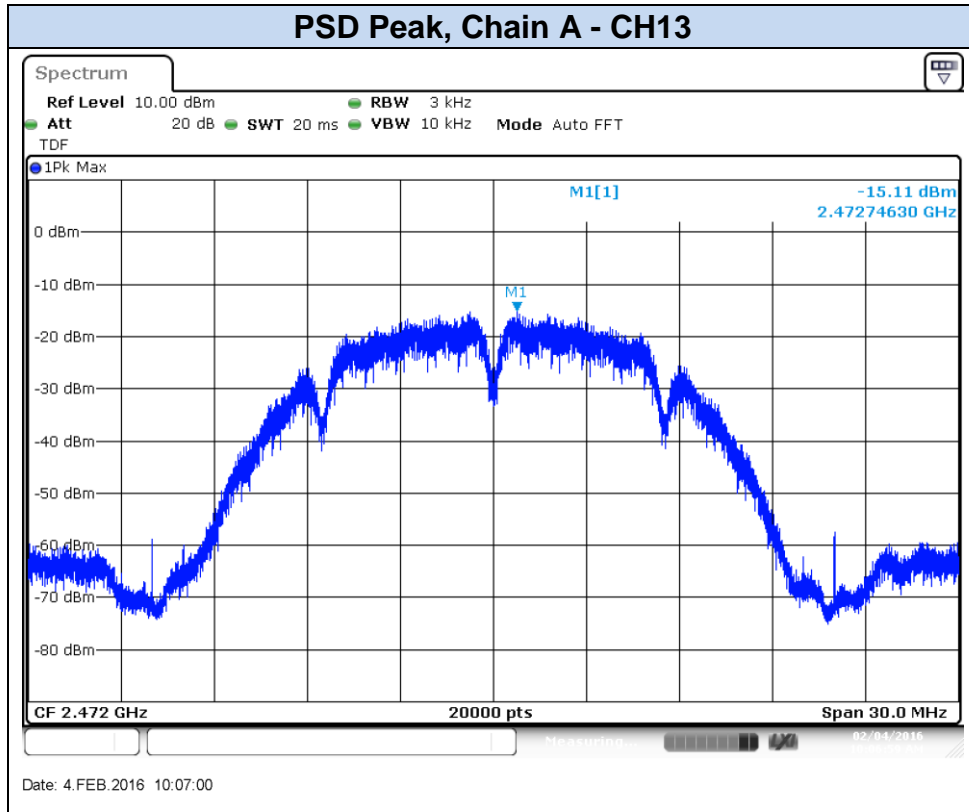
Mode	Rate	Measured Duty Cycle [%]	Channel	Frequency [MHz]	Antenna	PSD Peak [dBm]
802.11b	1Mbps	98.6	1	2412	SISO CHAIN A	-7.26
			7	2442	SISO CHAIN A	-6.30
			11	2462	SISO CHAIN A	-6.95
			12	2467	SISO CHAIN A	-12.26
			13	2472	SISO CHAIN A	-15.11
802.11g	6Mbps	98	1	2412	SISO CHAIN A	-7.99
			7	2442	SISO CHAIN A	-6.80
			11	2462	SISO CHAIN A	-9.12
			12	2467	SISO CHAIN A	-14.76
			13	2472	SISO CHAIN A	-26.65
802.11n20	HT0	98.4	1	2412	SISO CHAIN A	-7.36
			7	2442	SISO CHAIN A	-5.57
			11	2462	SISO CHAIN A	-10.36
			12	2467	SISO CHAIN A	-16.56
			13	2472	SISO CHAIN A	-24.82
802.11n40	HT0	97.5	3F	2422	SISO CHAIN A	-14.31
			7F	2442	SISO CHAIN A	-12.04
			9F	2452	SISO CHAIN A	-13.70
			10F	2457	SISO CHAIN A	-18.59
			11F	2462	SISO CHAIN A	-27.03

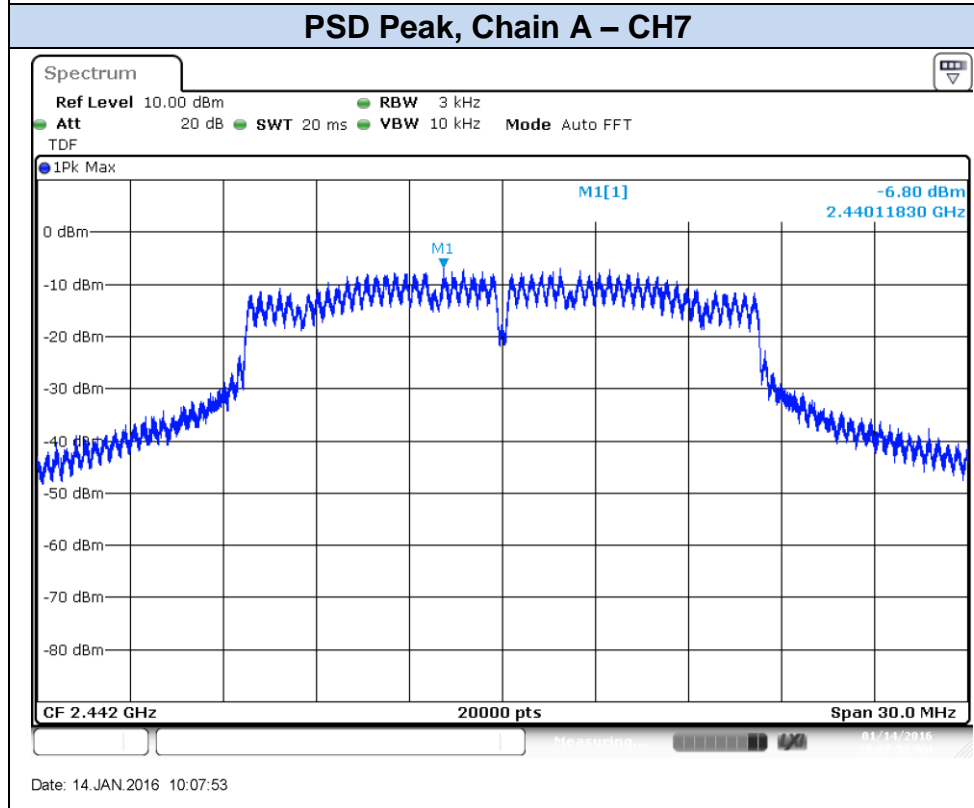
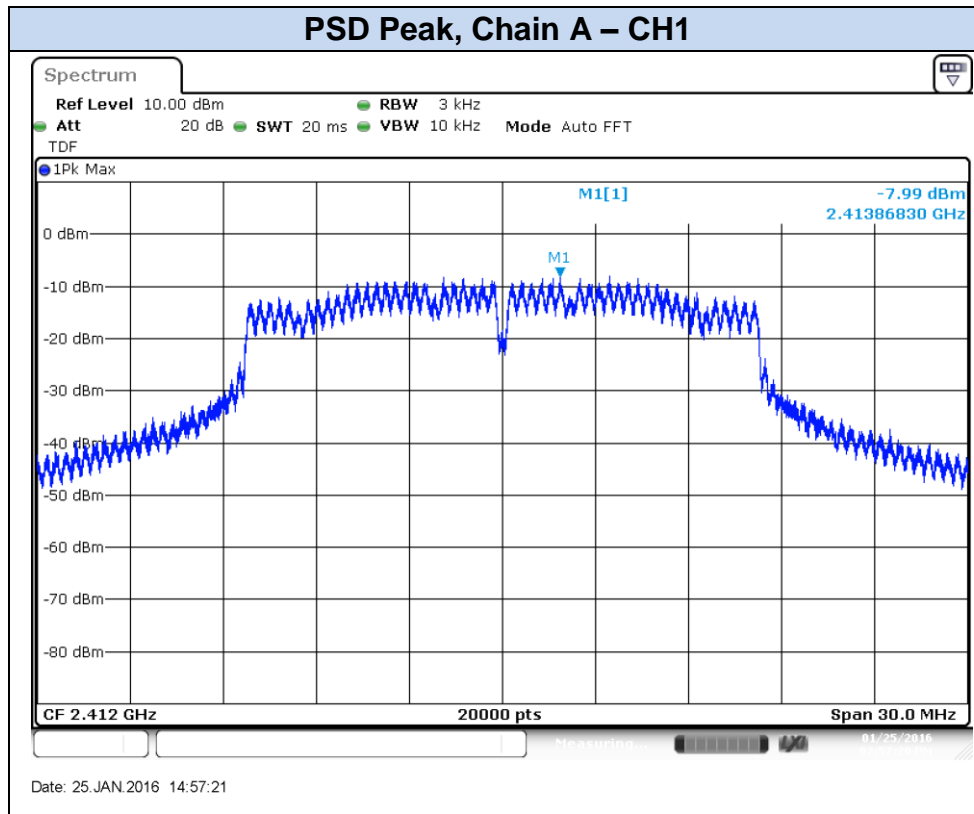
Results screenshot:

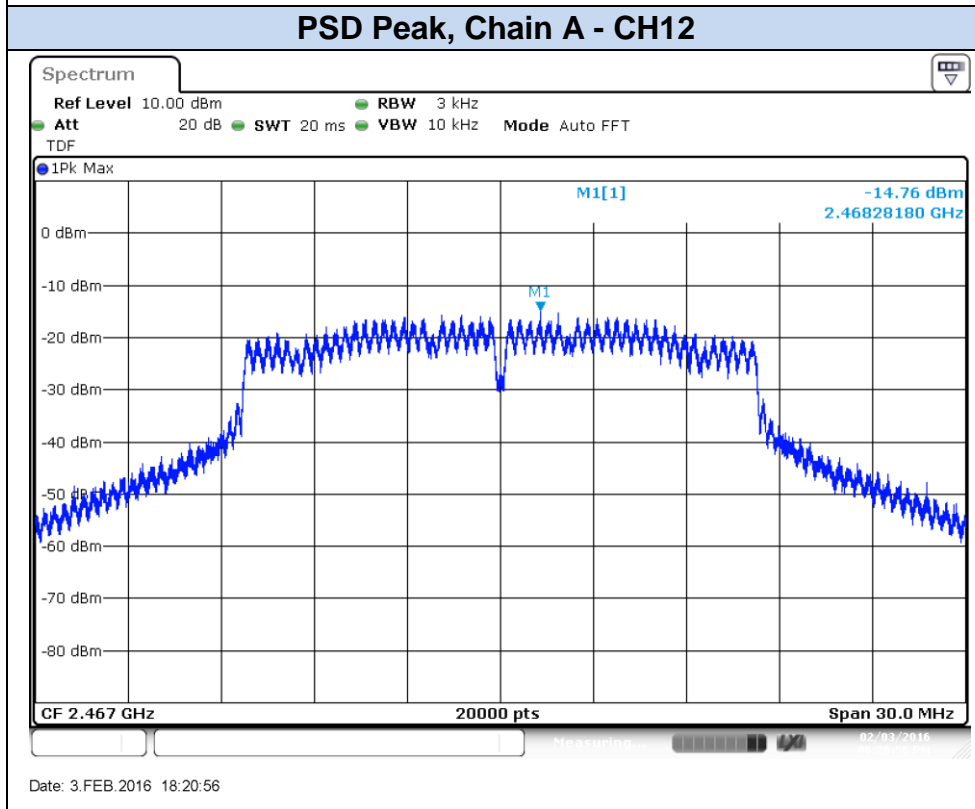
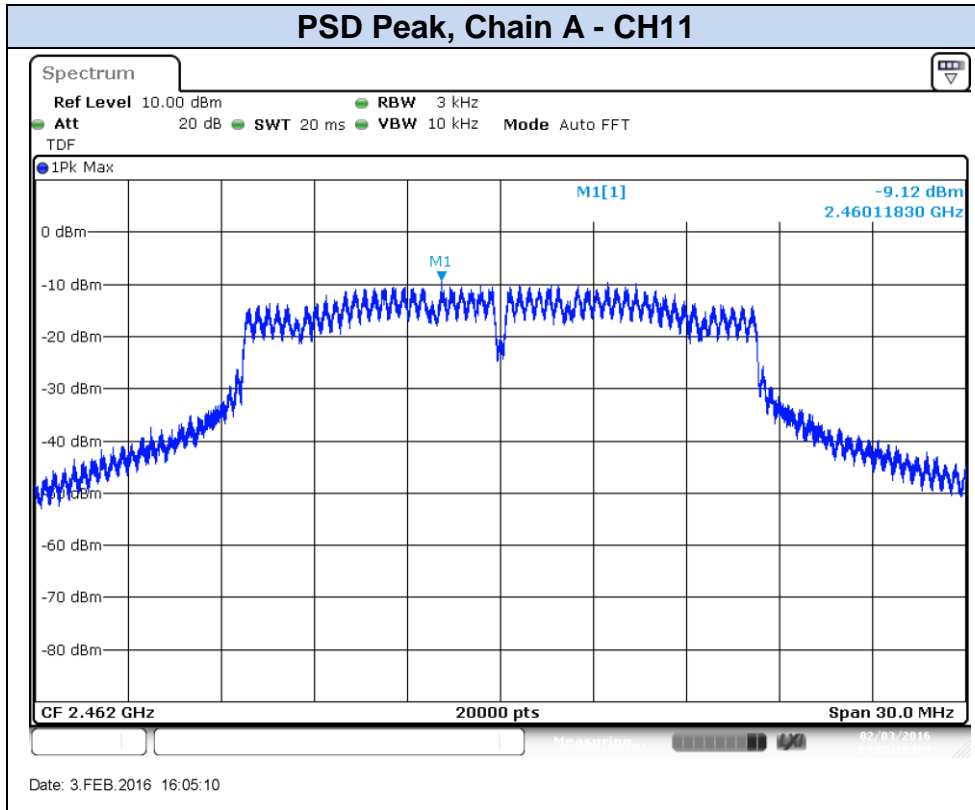
802.11b, 1Mbps

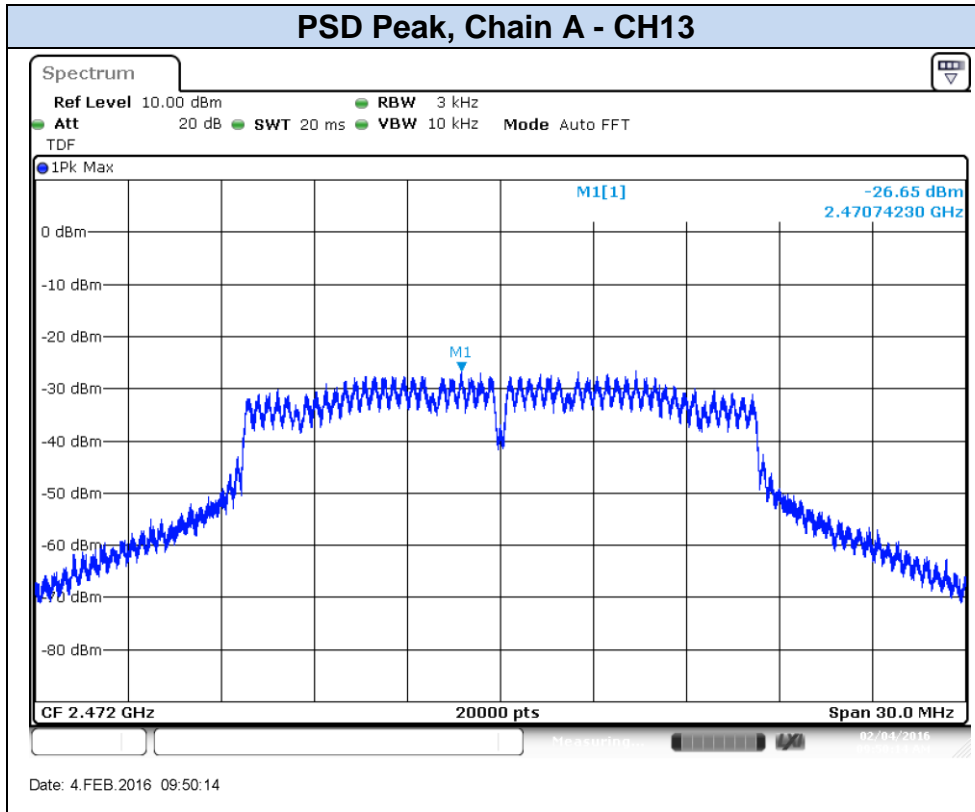


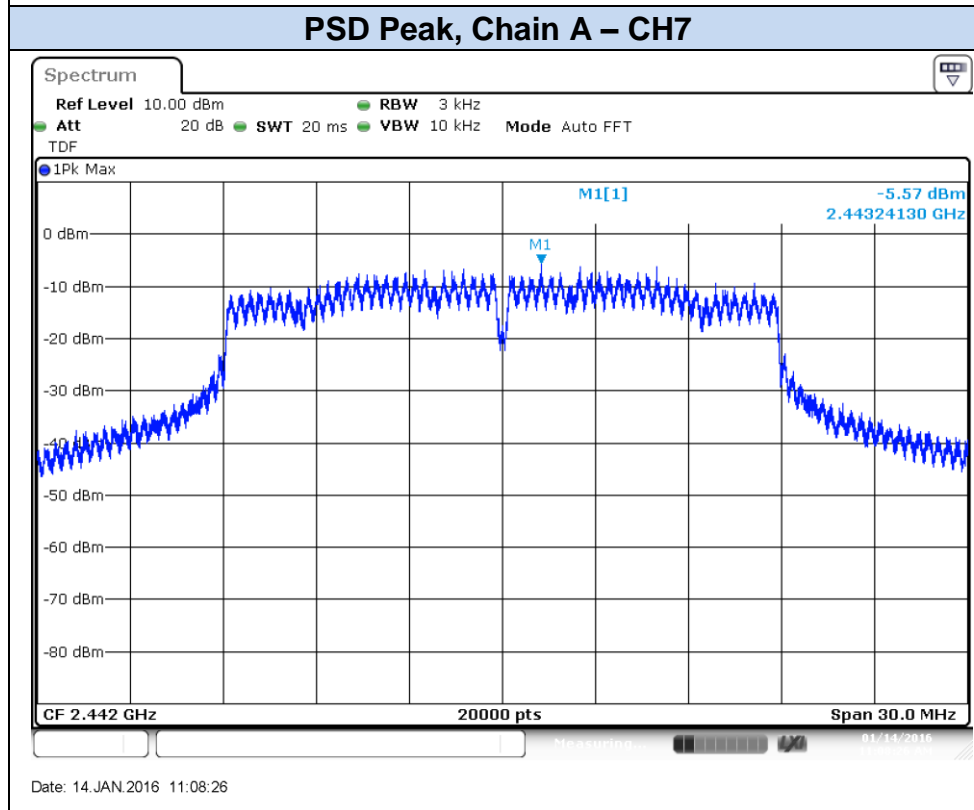
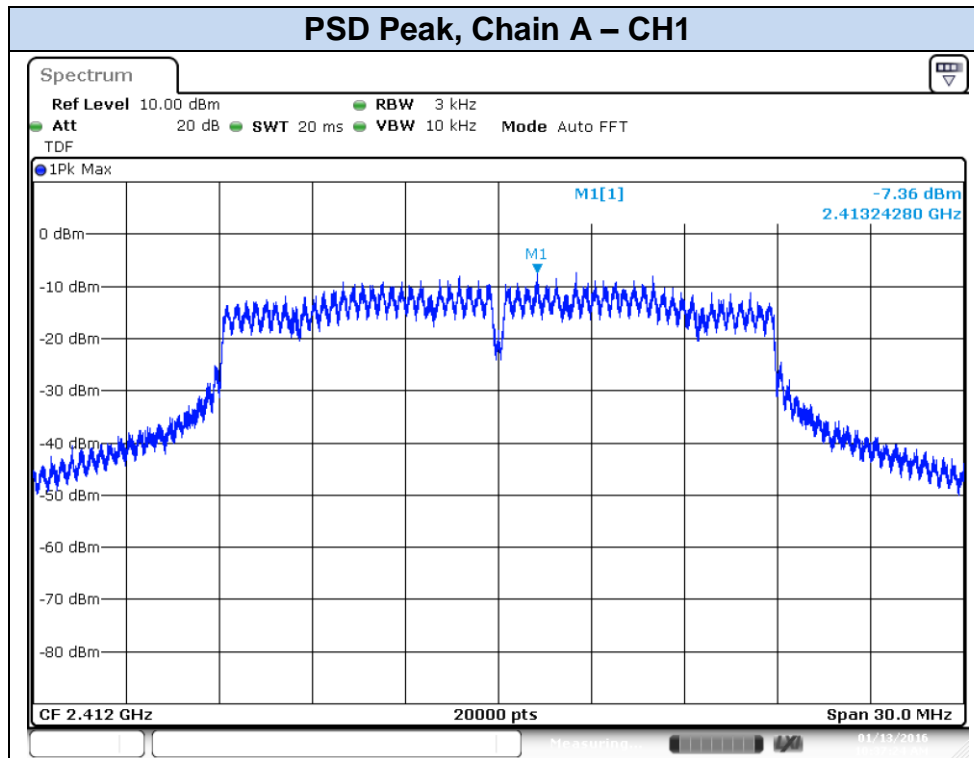


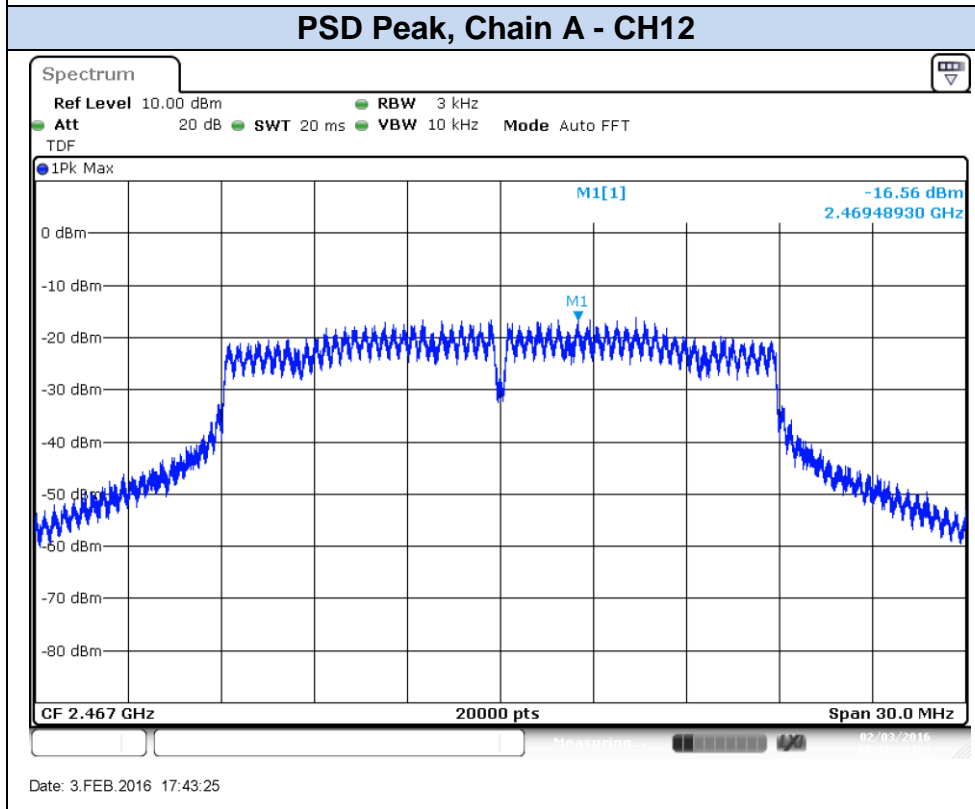
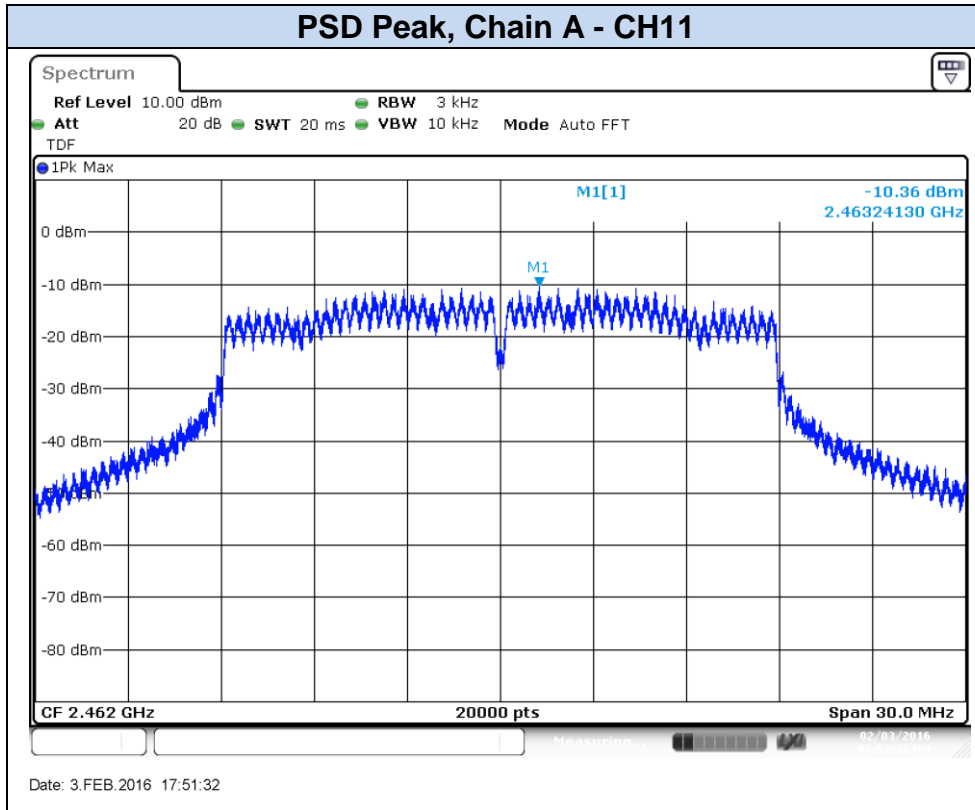


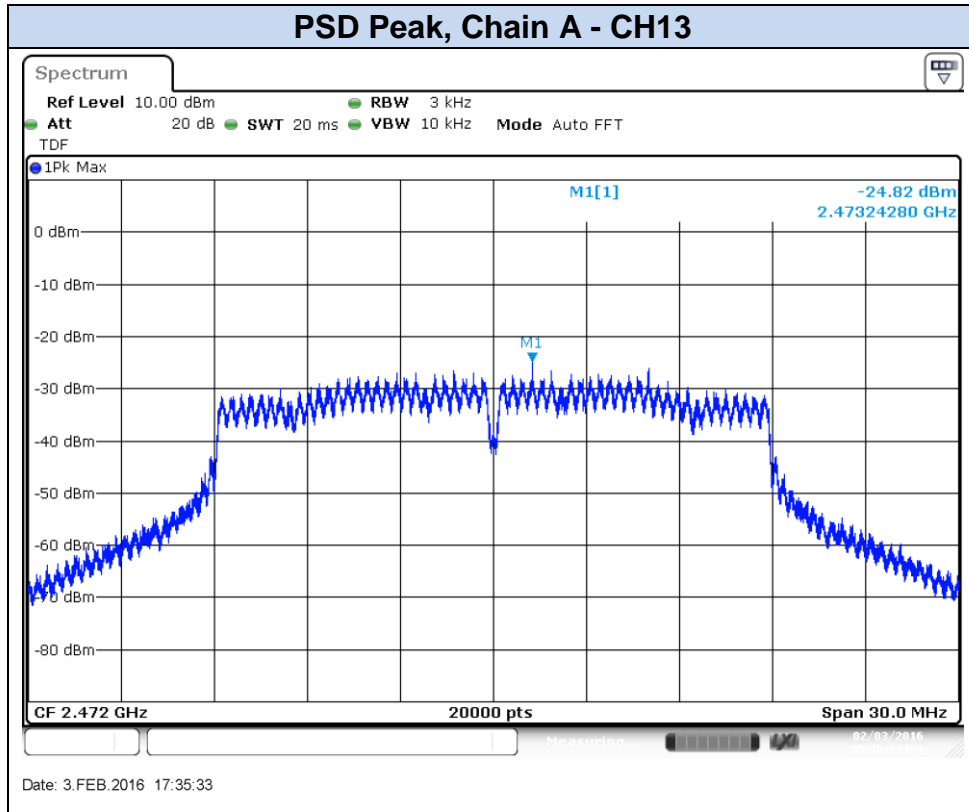
802.11g, 6Mbps





802.11n20, HT0 (SISO)





802.11n40, HT0 (SISO)