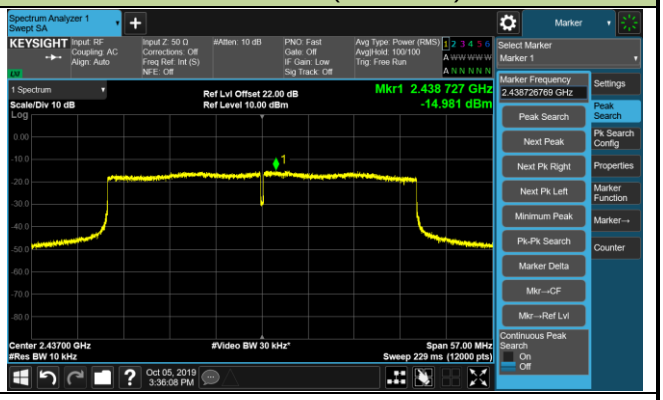
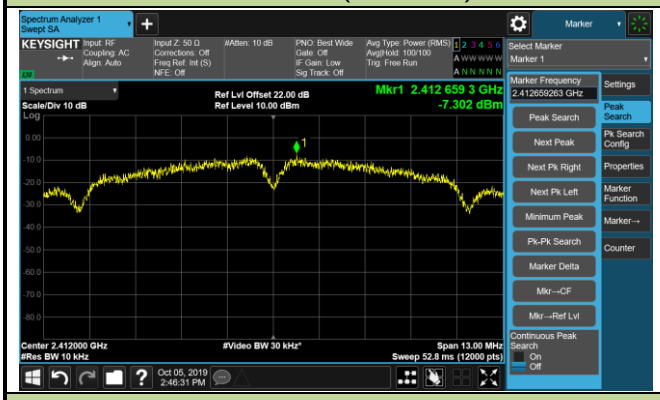
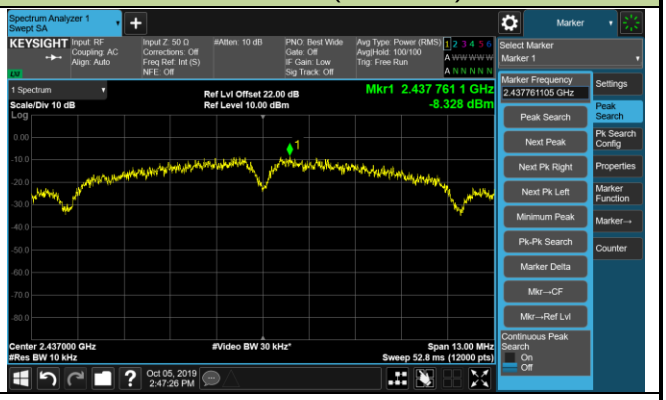
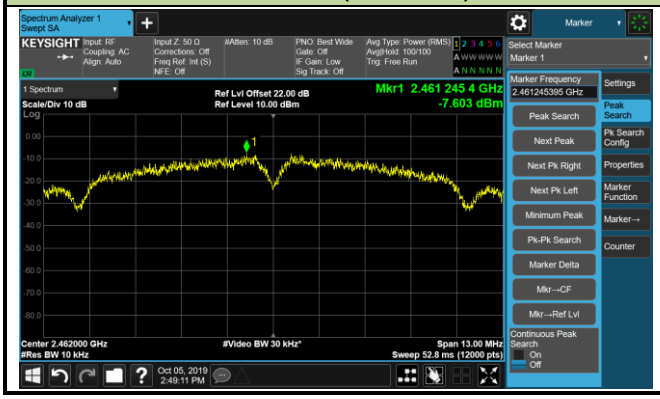
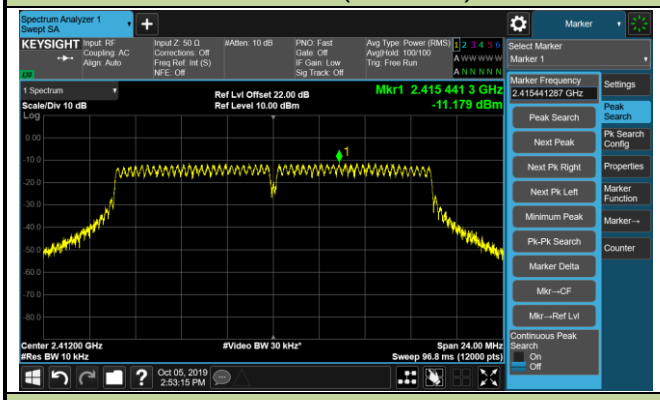
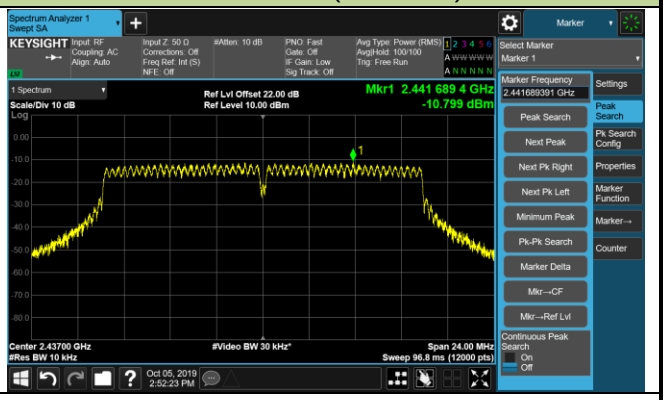
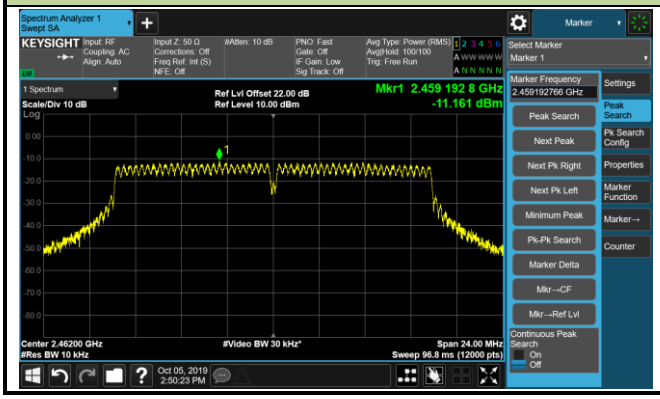
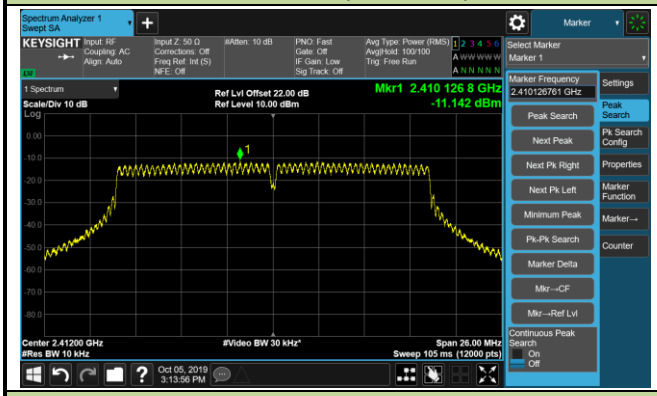
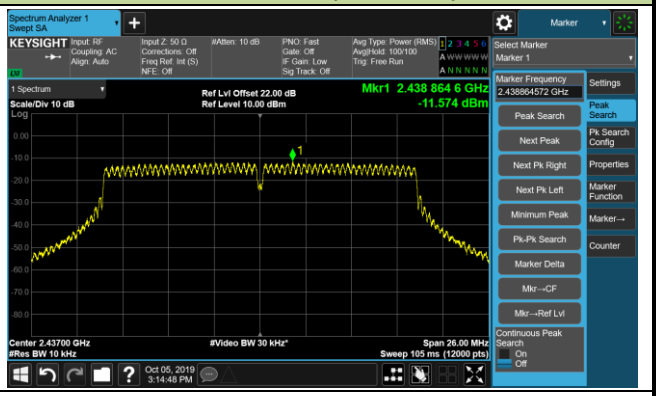
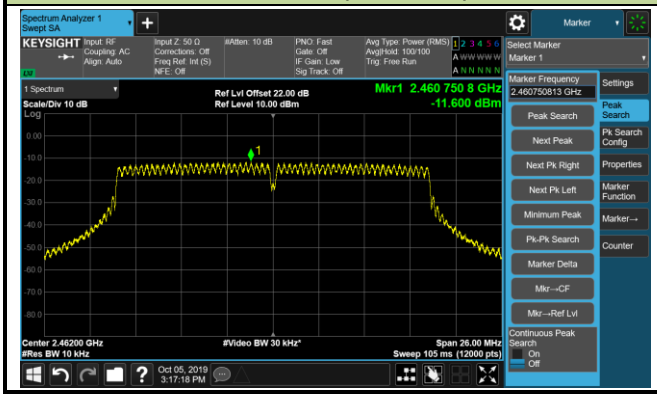
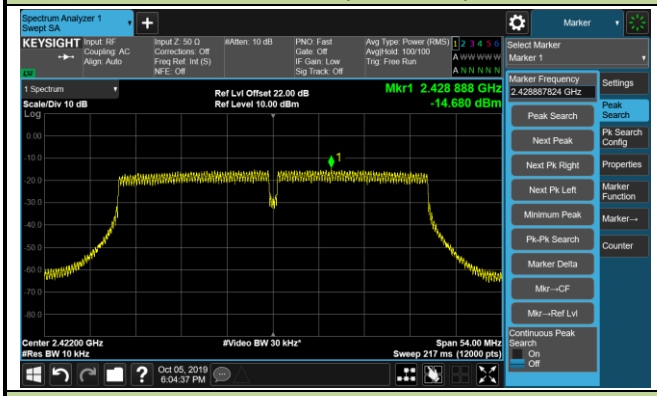
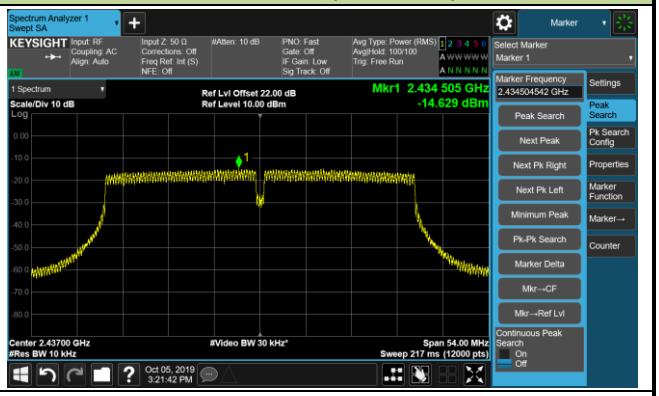
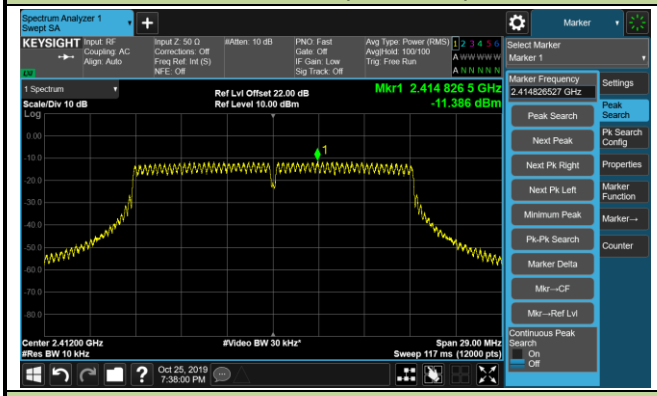
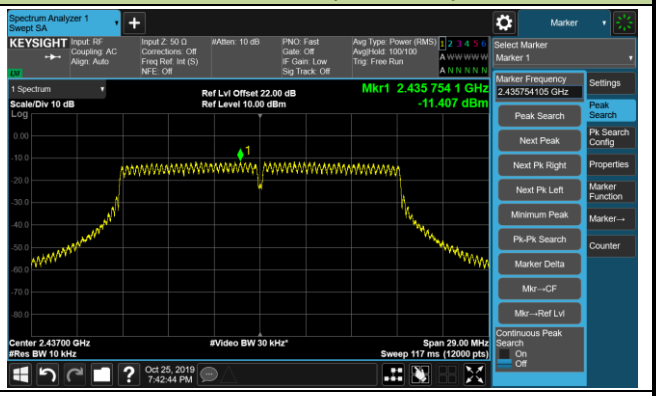
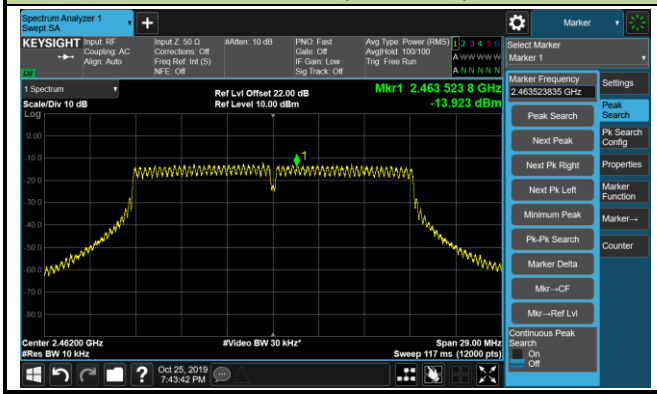
802.11ax-HE40 PSD - Ant 0 / Ant 0 + 1	
Channel 03 (2422MHz)	Channel 06 (2437MHz)
	
Channel 09 (2452MHz)	
	

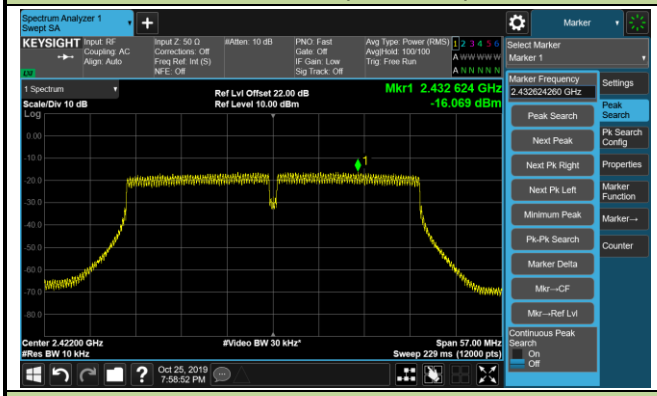
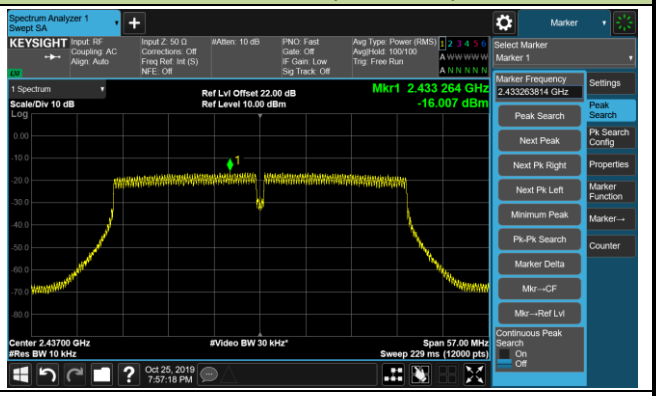
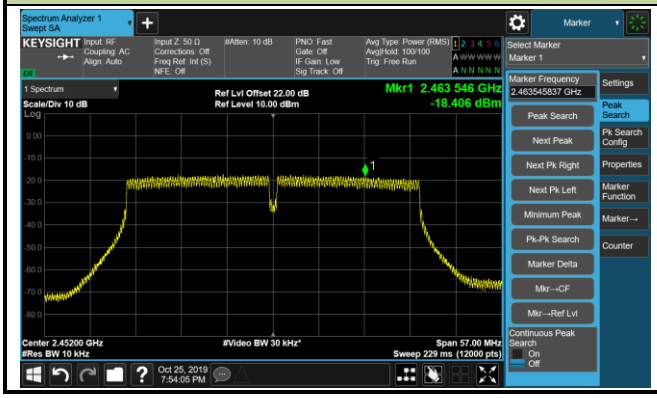
802.11b PSD - Ant 1 / Ant 0 + 1	
Channel 01 (2412MHz)	Channel 06 (2437MHz)
	
Channel 11 (2462MHz)	
	

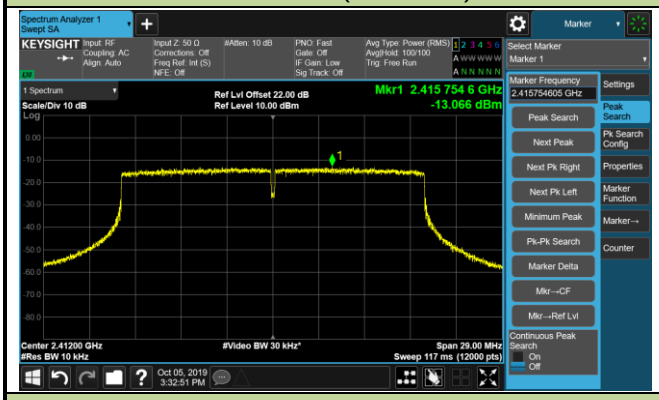
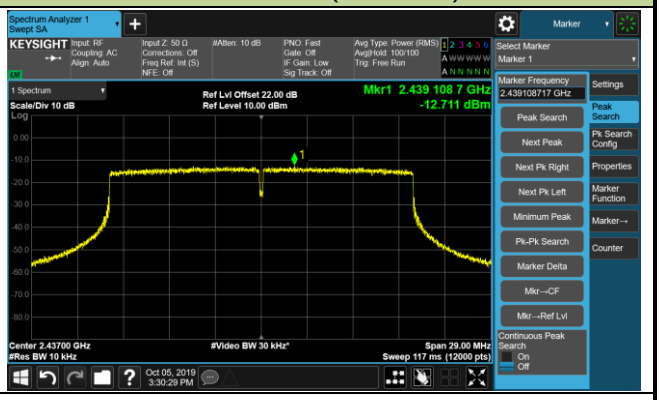
802.11g PSD - Ant 1 / Ant 0 + 1	
Channel 01 (2412MHz)	Channel 06 (2437MHz)
	
Channel 11 (2462MHz)	
	

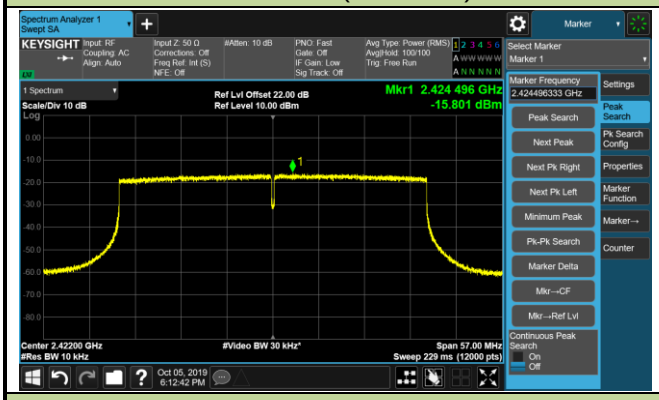
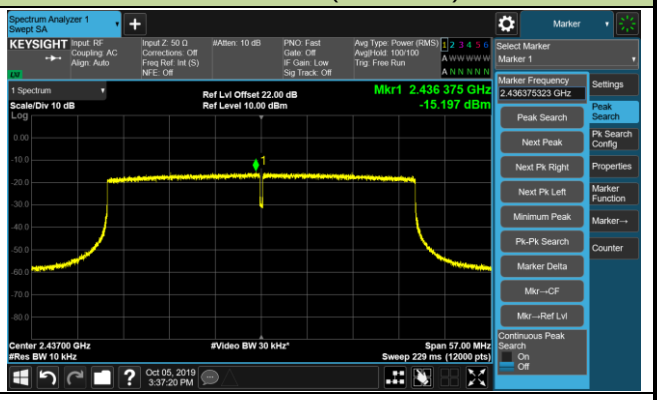
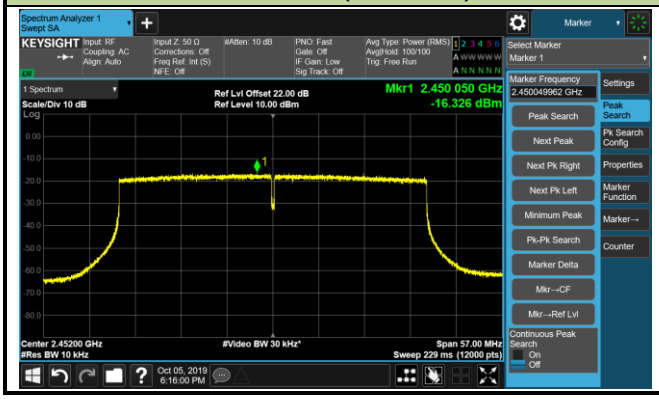
802.11n-HT20 PSD - Ant 1 / Ant 0 + 1	
Channel 01 (2412MHz)	Channel 06 (2437MHz)
	
Channel 11 (2462MHz)	
	

802.11n-HT40 PSD - Ant 1 / Ant 0 + 1	
Channel 03 (2422MHz)	Channel 06 (2437MHz)
	
Channel 09 (2452MHz)	
	

802.11VHT20 PSD - Ant 1 / Ant 0 + 1	
Channel 01 (2412MHz)	Channel 06 (2437MHz)
	
Channel 11 (2462MHz)	
	

802.11VHT40 PSD - Ant 1 / Ant 0 + 1	
Channel 03 (2422MHz)	Channel 06 (2437MHz)
	
Channel 09 (2452MHz)	
	

802.11ax-HE20 PSD - Ant 1 / Ant 0 + 1	
Channel 01 (2412MHz)	Channel 06 (2437MHz)
	
Channel 11 (2462MHz)	
	

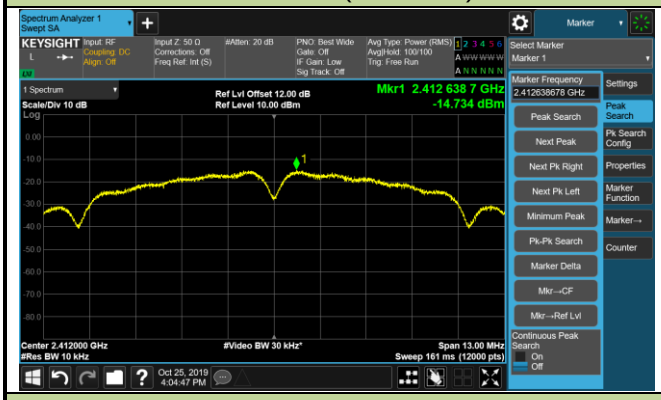
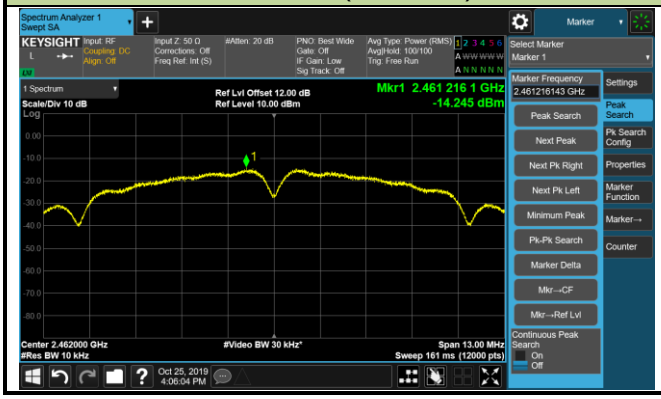
802.11ax-HE40 PSD - Ant 1 / Ant 0 + 1	
Channel 03 (2422MHz)	Channel 06 (2437MHz)
	
Channel 09 (2452MHz)	
	

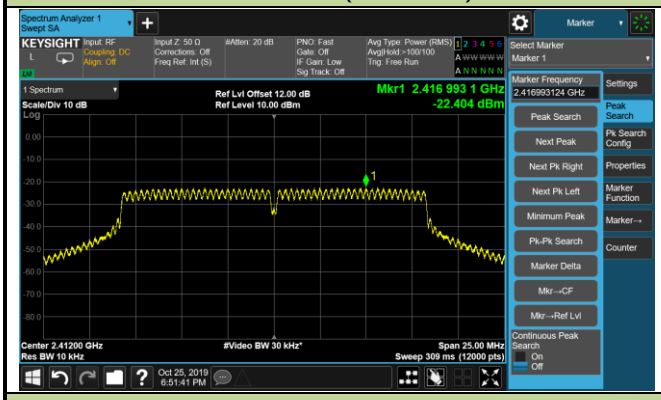
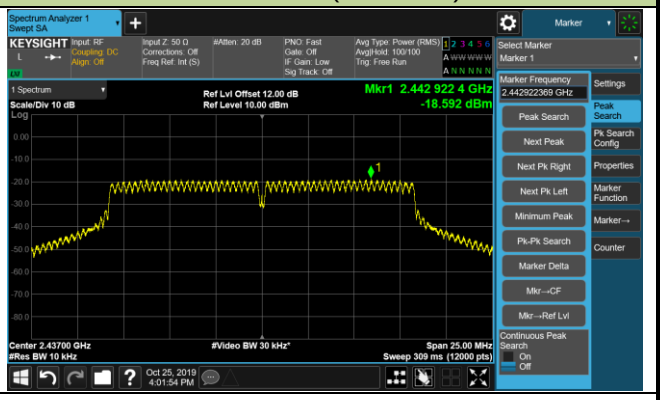
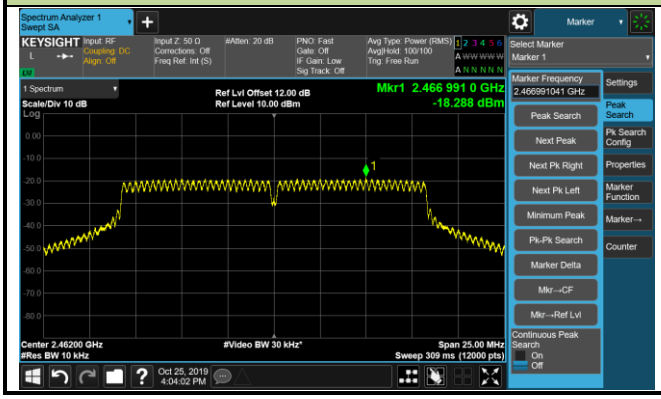
Product	OmniAccess Stellar	Temperature	23°C
Test Engineer	Andy Zhu	Relative Humidity	54%
Test Site	TR3	Test Date	2019/10/25
Configuration	OAW-AP1321	Test Item	Power Spectral Density
Antenna Model No	Scan Antenna		

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	AVGPSD (dBm / 10kHz)	Duty Cycle (%)	Constant Factor	Total AVGPSD (dBm / 3kHz)	Limit (dBm / 3kHz)	Result
11b	1Mbps	01	2412	-14.73	99.43	-5.23	-19.96	≤ 8.00	Pass
11b	1Mbps	06	2437	-17.77	99.43	-5.23	-23.00	≤ 8.00	Pass
11b	1Mbps	11	2462	-14.25	99.43	-5.23	-19.48	≤ 8.00	Pass
11g	6Mbps	01	2412	-22.40	95.51	-5.23	-27.43	≤ 8.00	Pass
11g	6Mbps	06	2437	-18.59	95.51	-5.23	-23.62	≤ 8.00	Pass
11g	6Mbps	11	2462	-18.29	95.51	-5.23	-23.32	≤ 8.00	Pass

Note 1: When EUT duty cycle ≥ 98%, Total AVGPSD = Scan antenna AVGPSD + Constant Factor.

Note 2: When EUT duty cycle < 98%, Total AVGPSD = Scan antenna AVGPSD + 10*log (1/duty cycle) + Constant Factor.

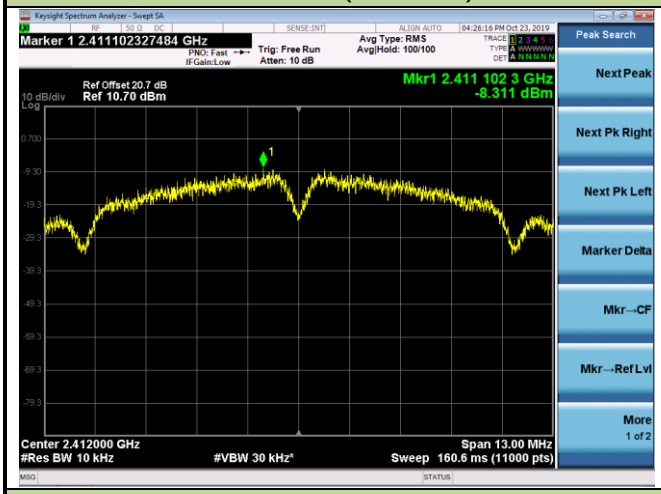
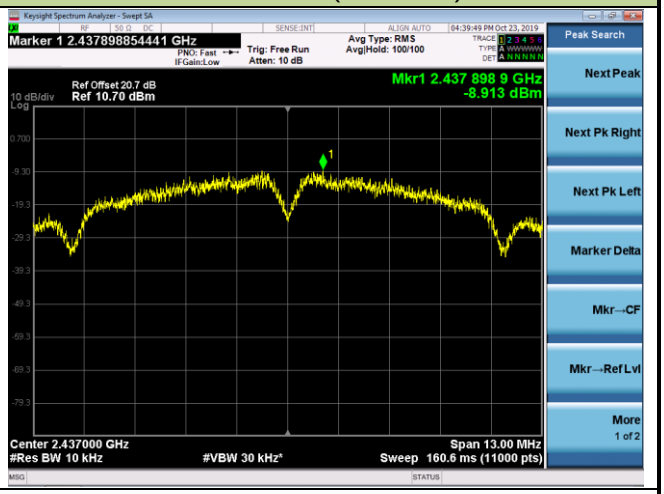
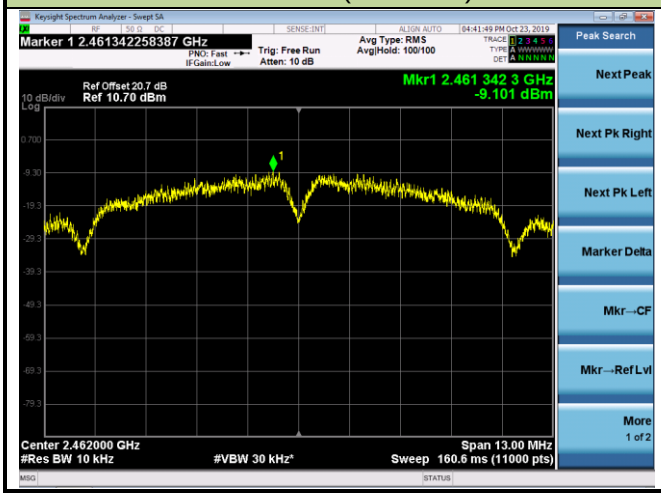
802.11b PSD - Scan Antenna	
Channel 01 (2412MHz)	Channel 06 (2437MHz)
	
Channel 11 (2462MHz)	
	

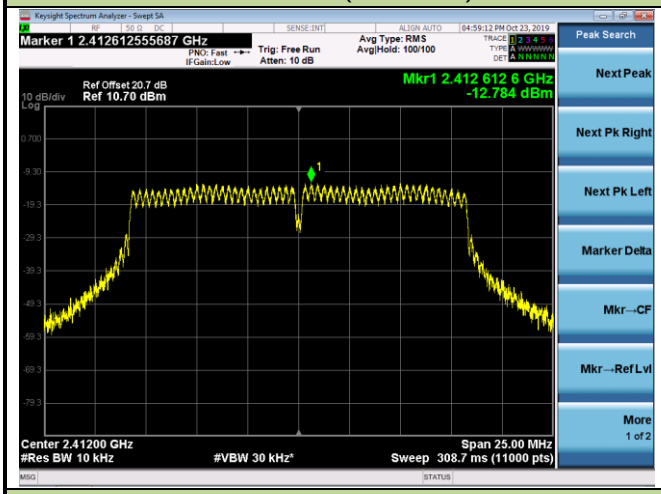
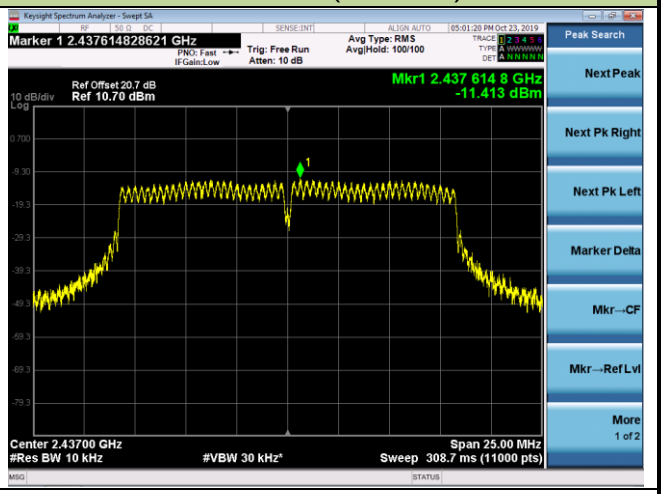
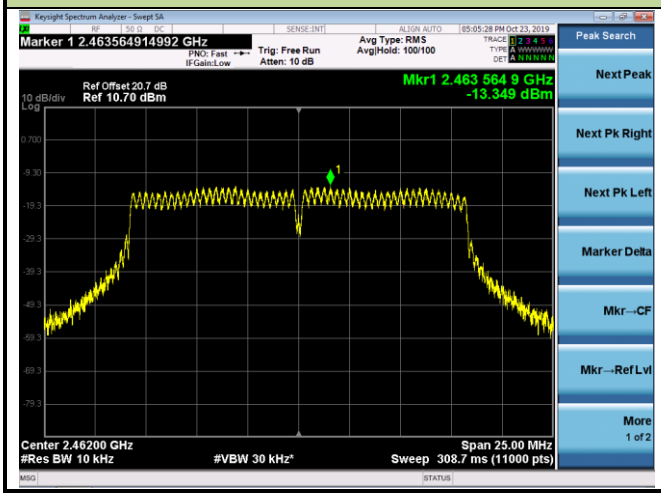
802.11g PSD - Scan Antenna	
Channel 01 (2412MHz)	Channel 06 (2437MHz)
	
Channel 11 (2462MHz)	
	

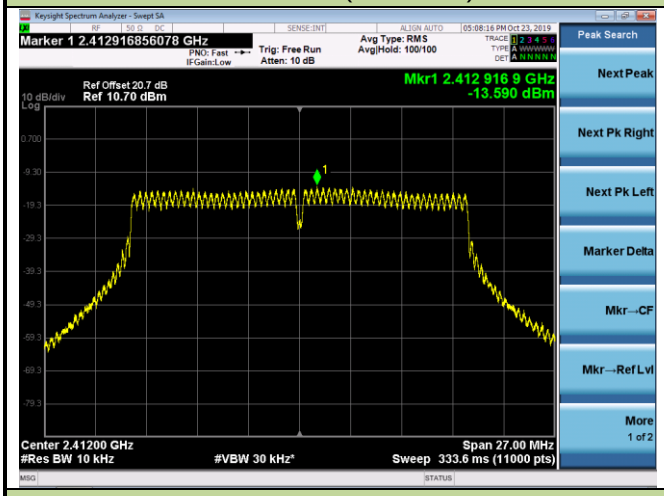
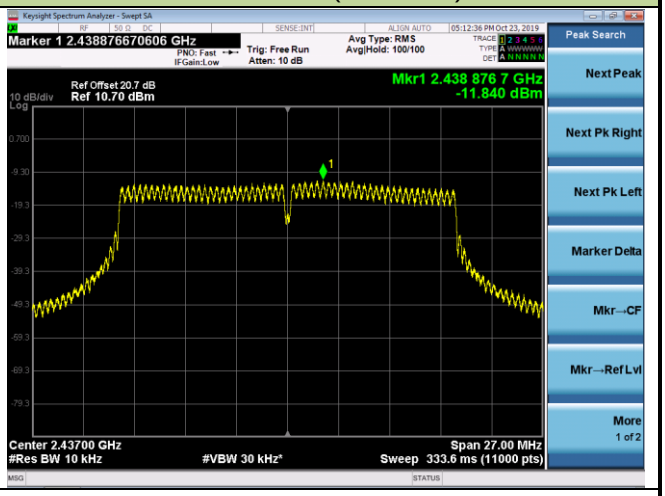
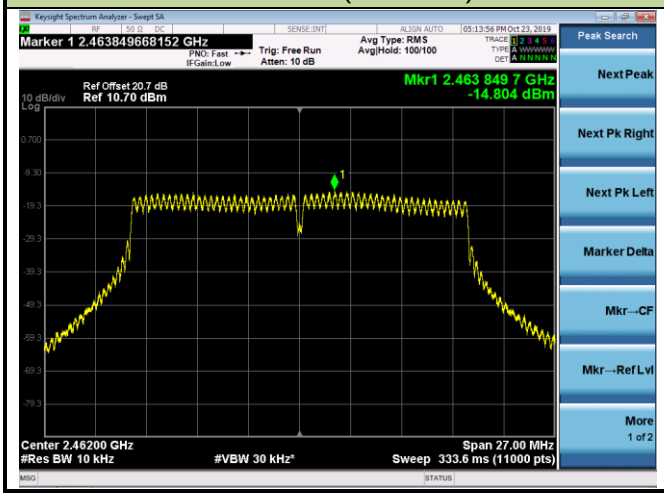
Product	OmniAccess Stellar	Temperature	23°C
Test Engineer	Andy Zhu	Relative Humidity	54%
Test Site	TR3	Test Date	2019/10/23
Configuration	OAW-AP1322	Test Item	Power Spectral Density

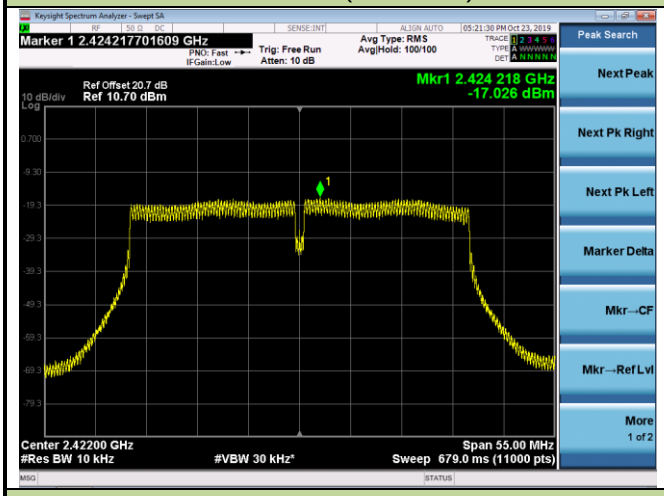
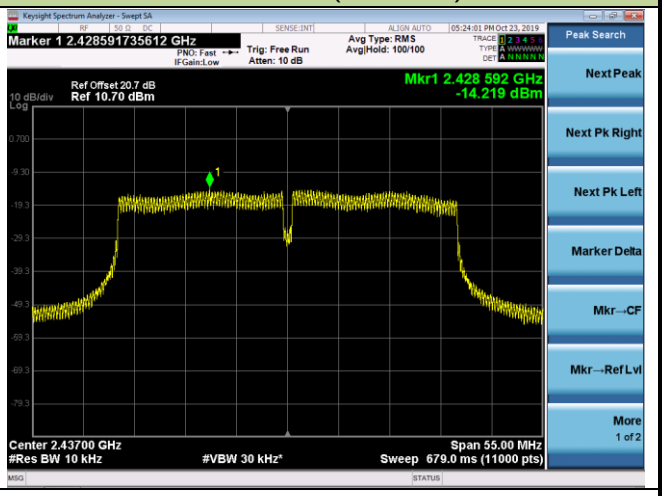
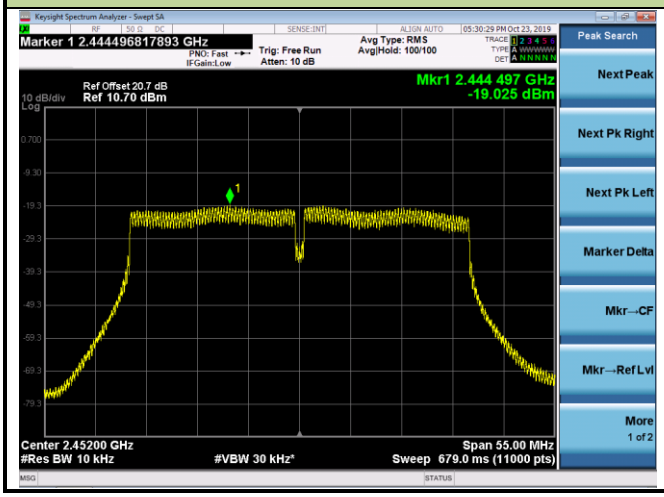
Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 AVGPSD (dBm / 10kHz)	Ant 1 AVGPSD (dBm / 10kHz)	Duty Cycle (%)	Constant Factor	Total AVGPSD (dBm / 3kHz)	Limit (dBm / 3kHz)	Result
Ant 0 + 1										
11b	1Mbps	01	2412	-8.31	-8.14	60.38	-5.23	-8.25	≤ 7.49	Pass
11b	1Mbps	06	2437	-8.91	-8.79	60.38	-5.23	-8.88	≤ 7.49	Pass
11b	1Mbps	11	2462	-9.10	-11.53	60.38	-5.23	-10.17	≤ 7.49	Pass
11g	6Mbps	01	2412	-12.78	-15.18	91.08	-5.23	-15.63	≤ 7.49	Pass
11g	6Mbps	06	2437	-11.41	-11.36	91.08	-5.23	-13.20	≤ 7.49	Pass
11g	6Mbps	11	2462	-13.35	-13.79	91.08	-5.23	-15.38	≤ 7.49	Pass
11n-HT20	MCS0	01	2412	-13.59	-13.96	95.26	-5.23	-15.78	≤ 7.49	Pass
11n-HT20	MCS0	06	2437	-11.84	-12.17	95.26	-5.23	-14.01	≤ 7.49	Pass
11n-HT20	MCS0	11	2462	-14.80	-15.33	95.26	-5.23	-17.06	≤ 7.49	Pass
11n-HT40	MCS0	03	2422	-17.03	-17.57	85.94	-5.23	-18.85	≤ 7.49	Pass
11n-HT40	MCS0	06	2437	-14.22	-15.22	85.94	-5.23	-16.25	≤ 7.49	Pass
11n-HT40	MCS0	09	2452	-19.03	-19.41	85.94	-5.23	-20.78	≤ 7.49	Pass
11ac-VHT20	MCS0	01	2412	-13.93	-14.27	94.93	-5.23	-16.09	≤ 7.49	Pass
11ac-VHT20	MCS0	06	2437	-11.45	-12.50	94.93	-5.23	-13.94	≤ 7.49	Pass
11ac-VHT20	MCS0	11	2462	-15.43	-16.50	94.93	-5.23	-17.92	≤ 7.49	Pass
11ac-VHT40	MCS0	03	2422	-15.93	-16.39	86.11	-5.23	-17.72	≤ 7.49	Pass
11ac-VHT40	MCS0	06	2437	-14.72	-14.62	86.11	-5.23	-16.24	≤ 7.49	Pass
11ac-VHT40	MCS0	09	2452	-19.16	-19.46	86.11	-5.23	-20.88	≤ 7.49	Pass
11ax-HE20	MCS0	01	2412	-15.27	-15.65	95.24	-5.23	-17.46	≤ 7.49	Pass
11ax-HE20	MCS0	06	2437	-12.96	-12.81	95.24	-5.23	-14.89	≤ 7.49	Pass
11ax-HE20	MCS0	11	2462	-16.23	-16.91	95.24	-5.23	-18.56	≤ 7.49	Pass
11ax-HE40	MCS0	03	2422	-18.33	-19.19	93.70	-5.23	-20.67	≤ 7.49	Pass
11ax-HE40	MCS0	06	2437	-15.60	-15.87	93.70	-5.23	-17.67	≤ 7.49	Pass
11ax-HE40	MCS0	09	2452	-20.47	-21.24	93.70	-5.23	-22.77	≤ 7.49	Pass

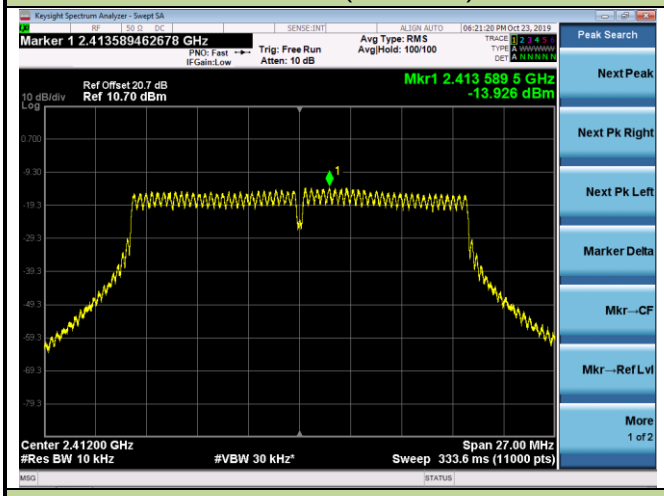
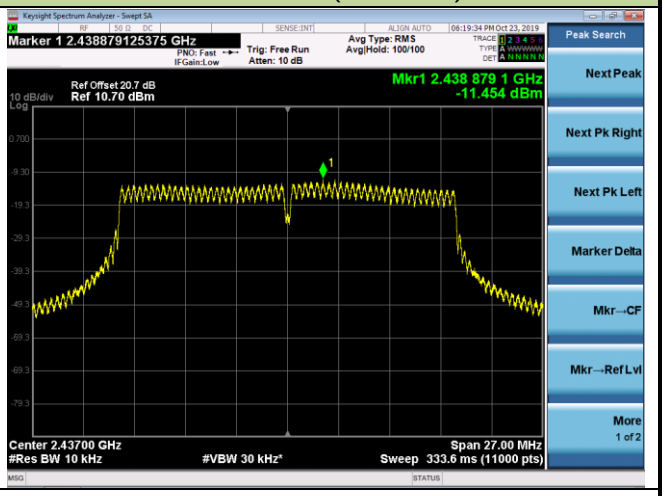
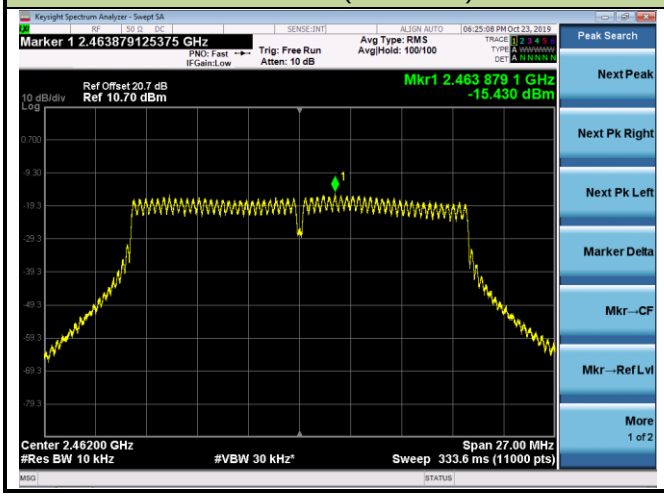
Note: When EUT duty cycle < 98%, Total AVGPSD = $10*\log\{10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)}\} + 10*\log(1/\text{duty cycle}) + \text{Constant Factor}$.

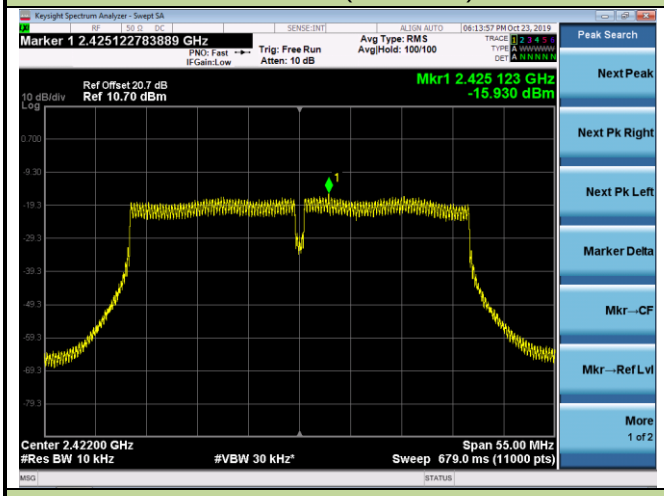
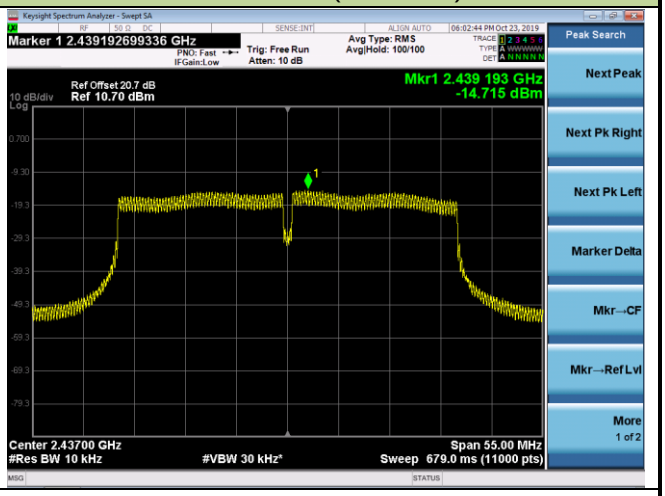
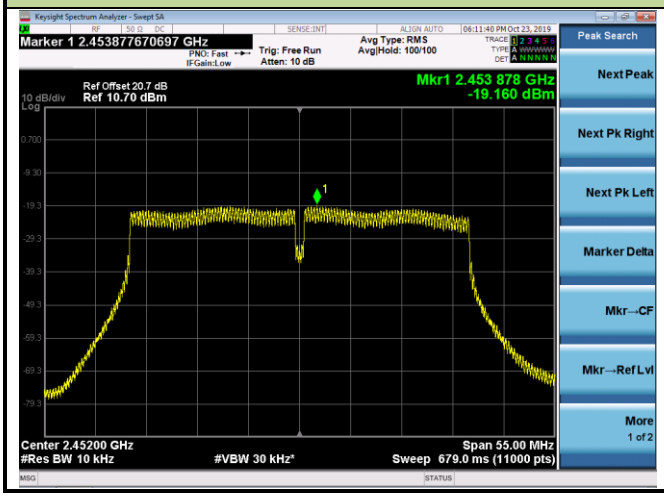
802.11b PSD - Ant 0 / Ant 0 + 1	
Channel 01 (2412MHz)	Channel 06 (2437MHz)
	
Channel 11 (2462MHz)	
	

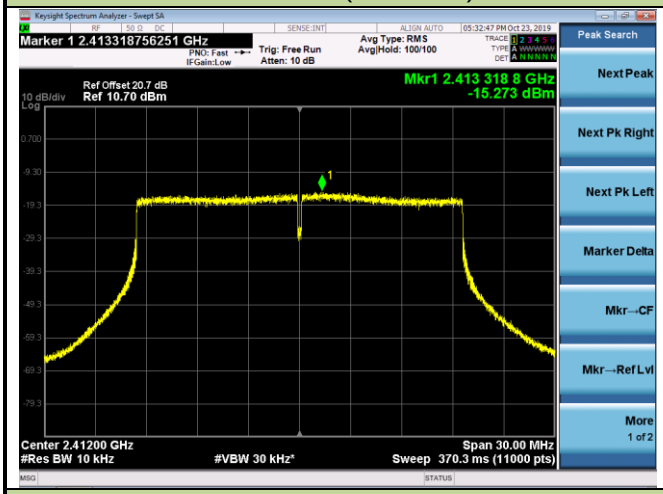
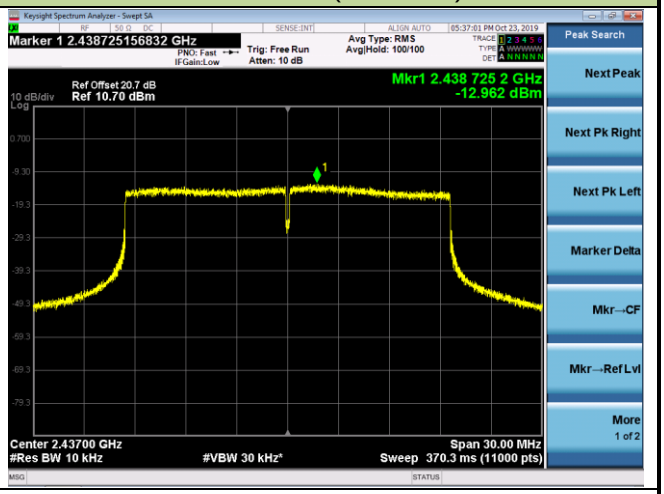
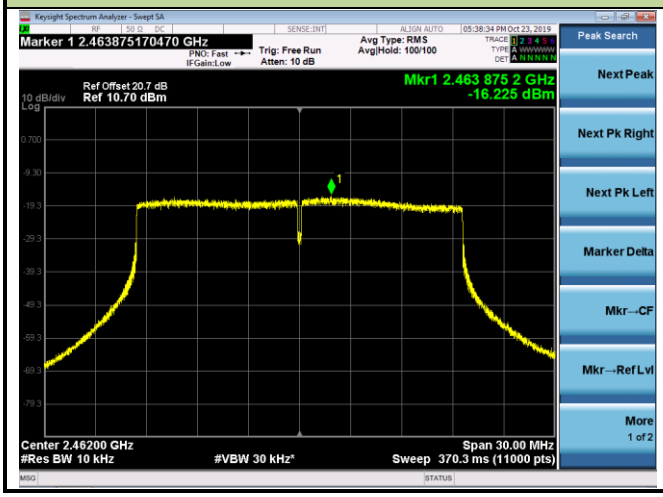
802.11g PSD - Ant 0 / Ant 0 + 1	
Channel 01 (2412MHz)	Channel 06 (2437MHz)
	
Channel 11 (2462MHz)	
	

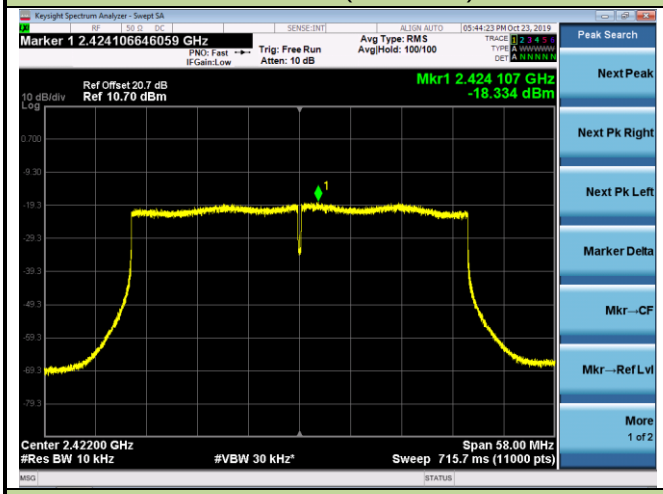
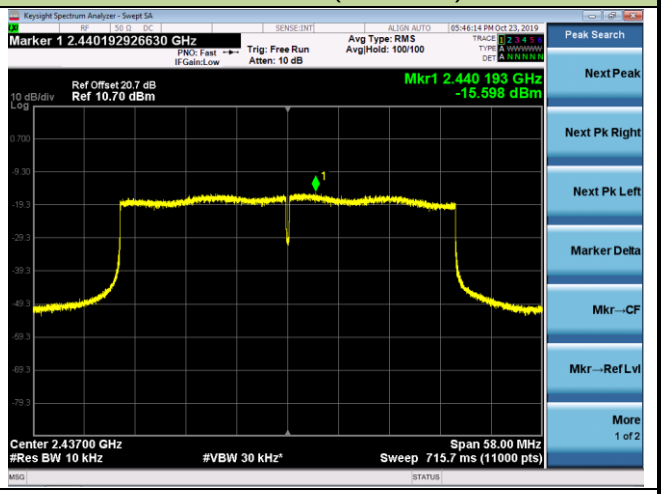
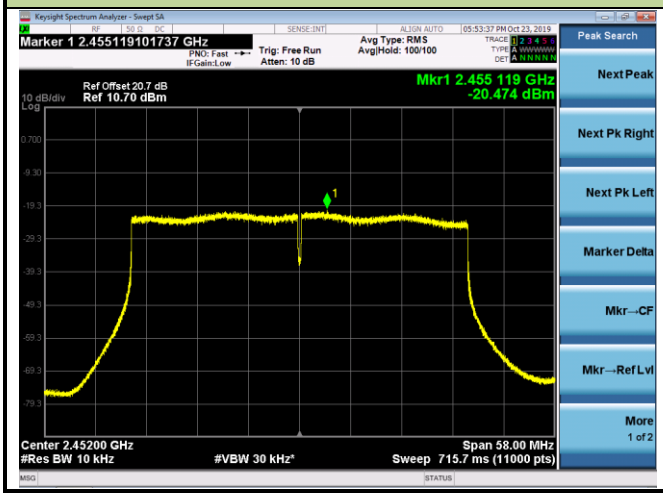
802.11n-HT20 PSD - Ant 0 / Ant 0 + 1	
Channel 01 (2412MHz)	Channel 06 (2437MHz)
	
Channel 11 (2462MHz)	
	

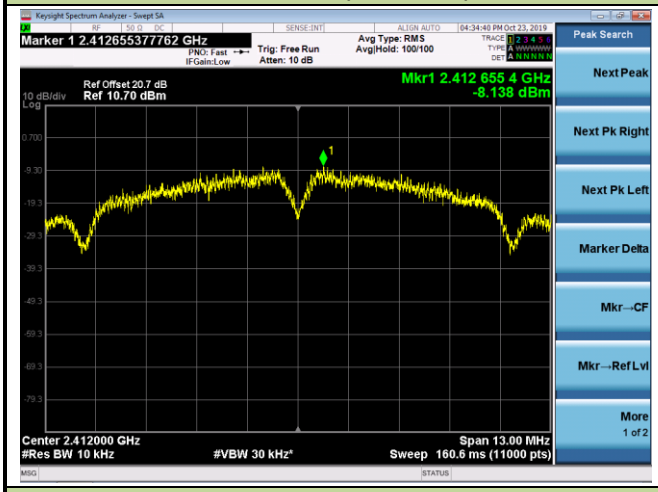
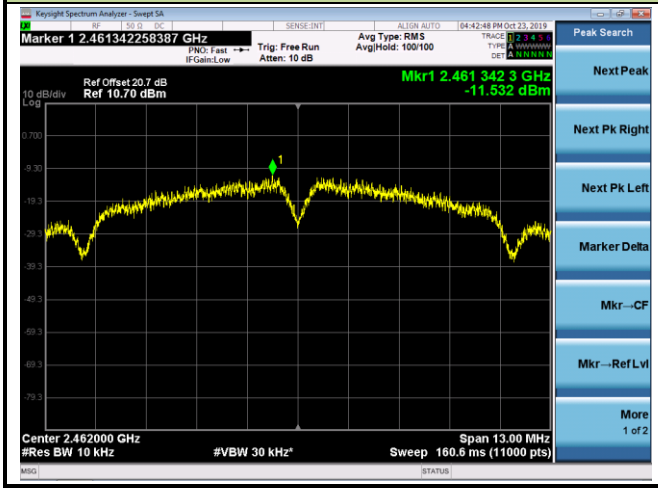
802.11n-HT40 PSD - Ant 0 / Ant 0 + 1	
Channel 03 (2422MHz)	Channel 06 (2437MHz)
	
Channel 09 (2452MHz)	
	

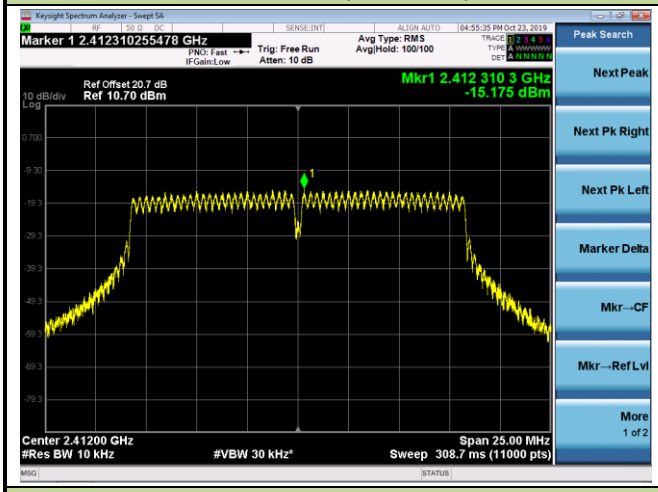
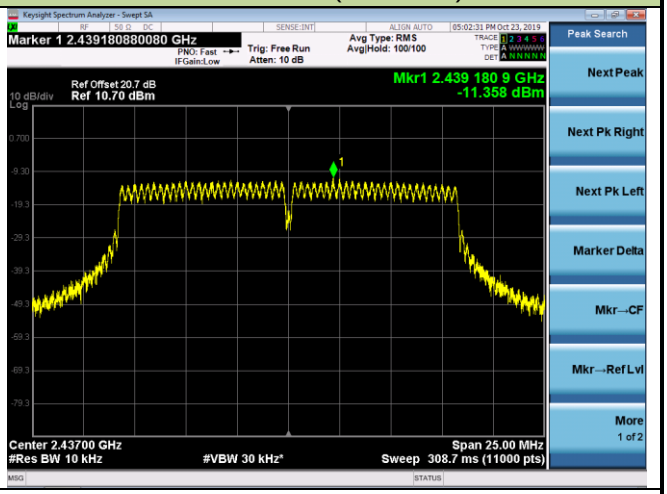
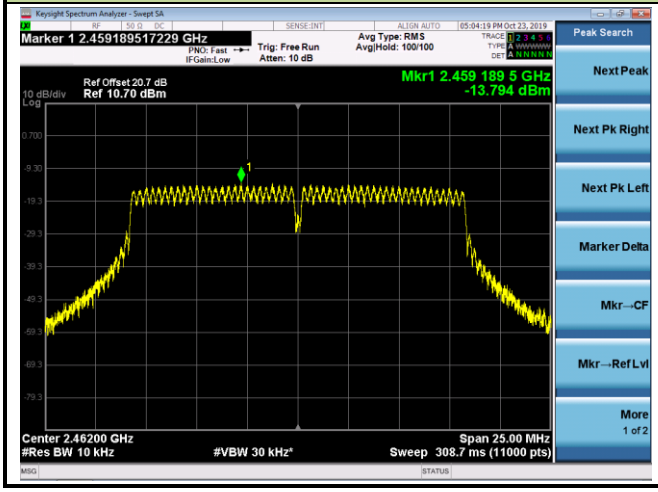
802.11VHT20 PSD - Ant 0 / Ant 0 + 1	
Channel 01 (2412MHz)	Channel 06 (2437MHz)
	
Channel 11 (2462MHz)	
	

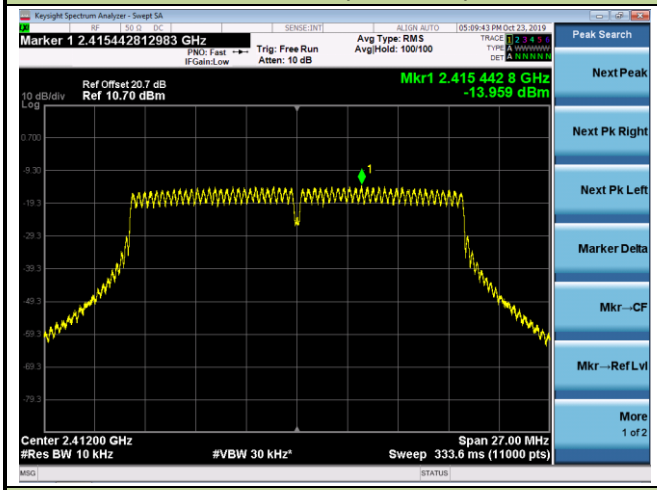
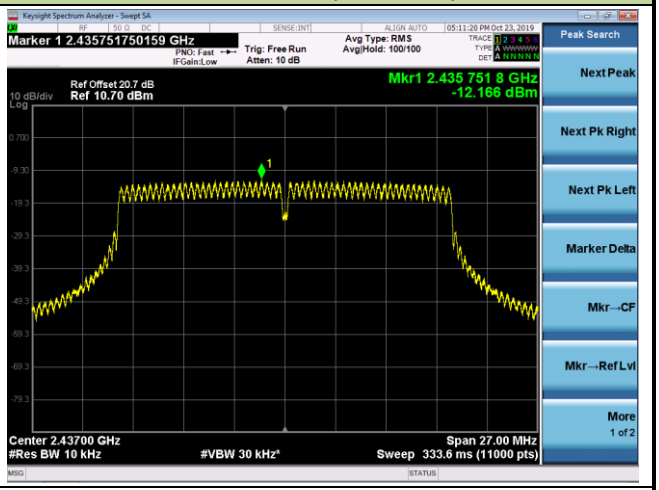
802.11VHT40 PSD - Ant 0 / Ant 0 + 1	
Channel 03 (2422MHz)	Channel 06 (2437MHz)
	
Channel 09 (2452MHz)	
	

802.11ax-HE20 PSD - Ant 0 / Ant 0 + 1	
Channel 03 (2412MHz)	Channel 06 (2437MHz)
	
Channel 09 (2462MHz)	
	

802.11ax-HE40 PSD - Ant 0 / Ant 0 + 1	
Channel 03 (2422MHz)	Channel 06 (2437MHz)
	
Channel 09 (2452MHz)	
	

802.11b PSD - Ant 1 / Ant 0 + 1	
Channel 01 (2412MHz)	Channel 06 (2437MHz)
	
Channel 11 (2462MHz)	
	

802.11g PSD - Ant 1 / Ant 0 + 1	
Channel 01 (2412MHz)	Channel 06 (2437MHz)
	
Channel 11 (2462MHz)	
	

802.11n-HT20 PSD - Ant 1 / Ant 0 + 1	
Channel 01 (2412MHz)	Channel 06 (2437MHz)
	
Channel 11 (2462MHz)