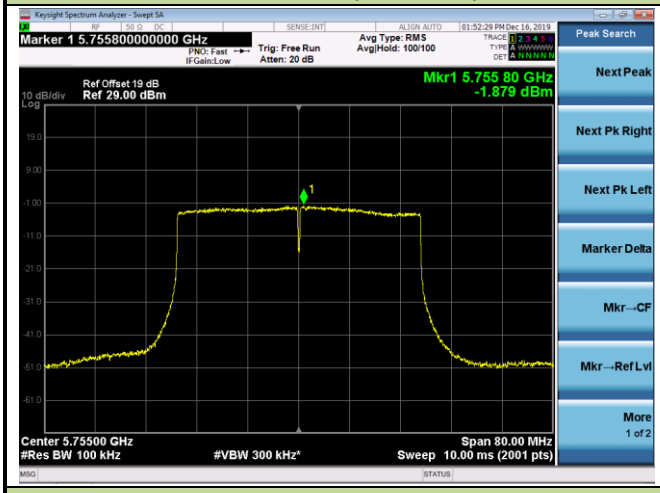
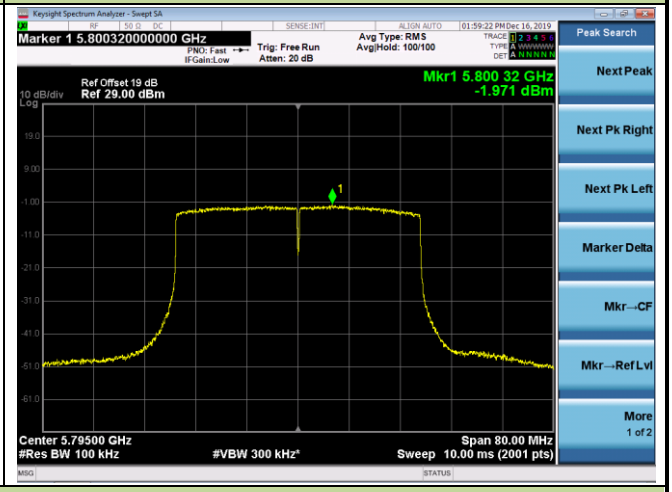
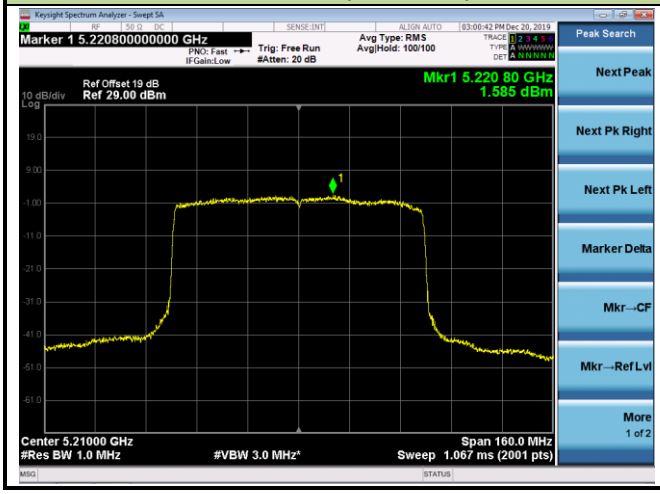
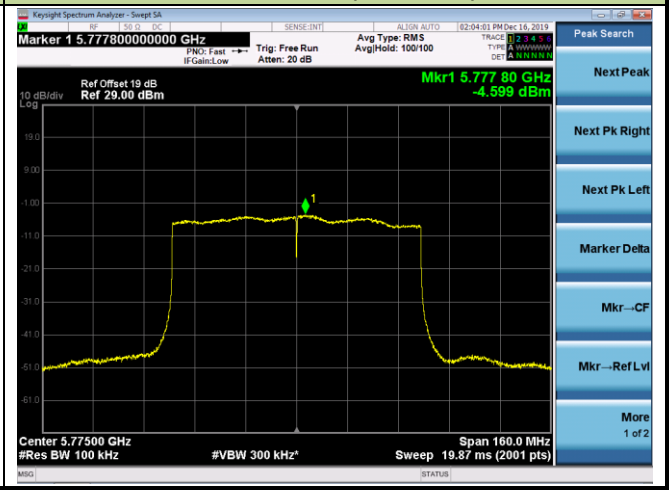
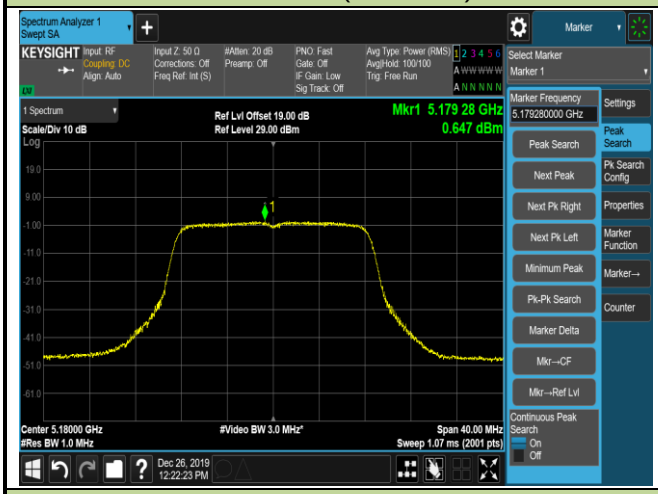
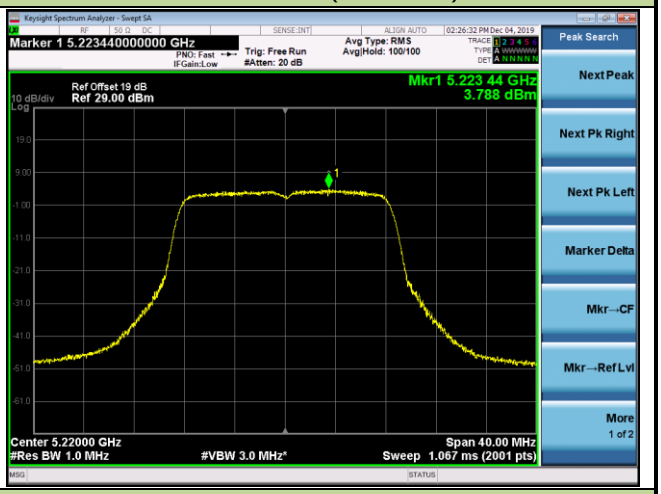
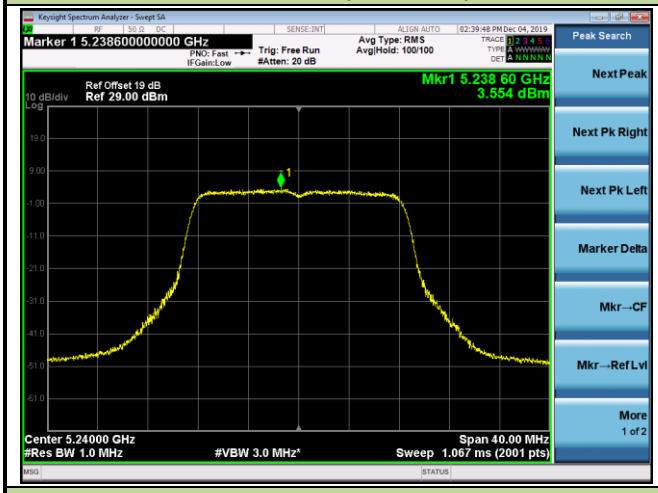
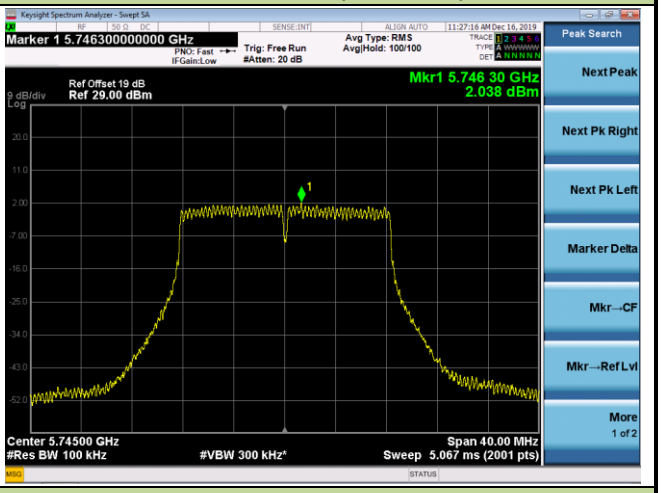
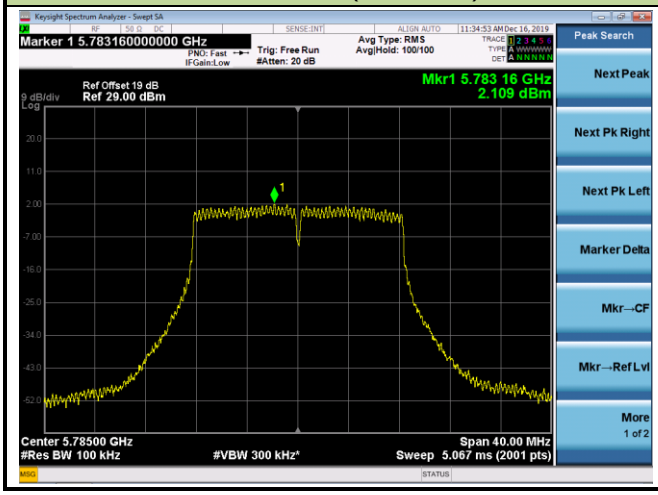
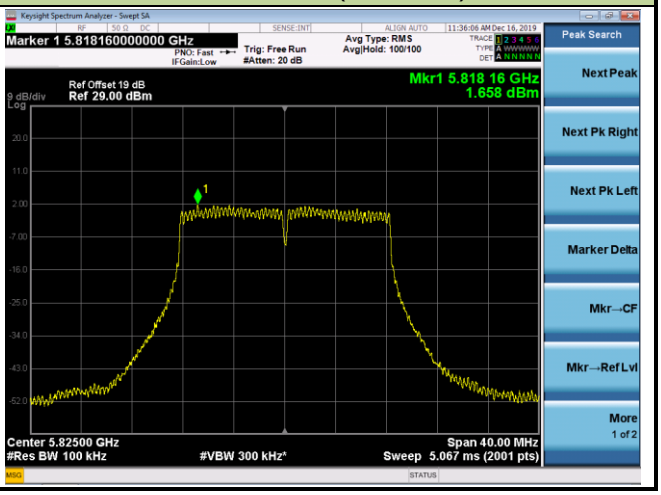
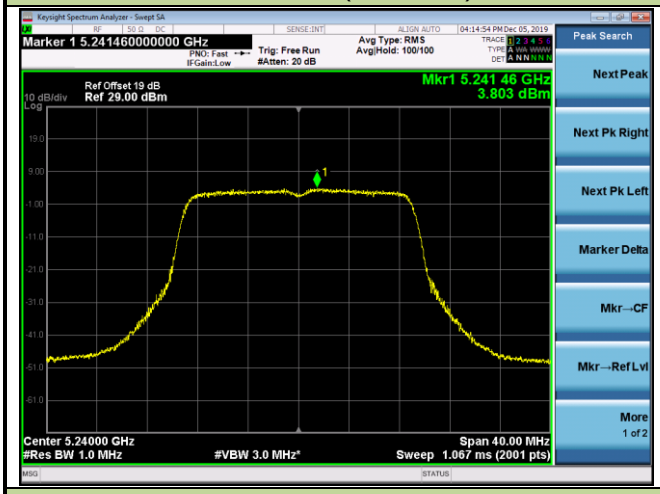
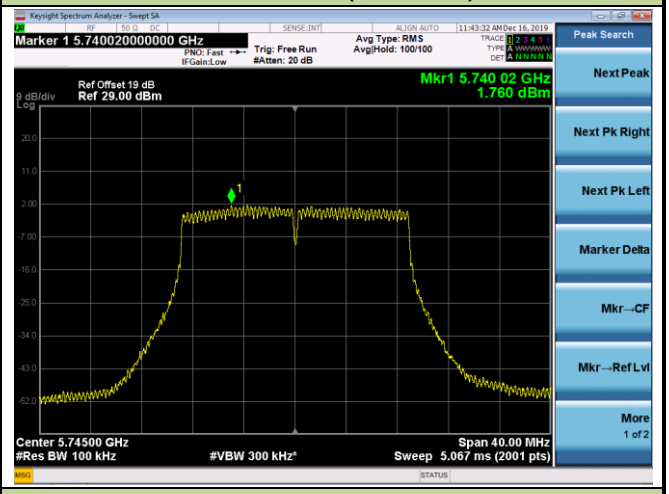
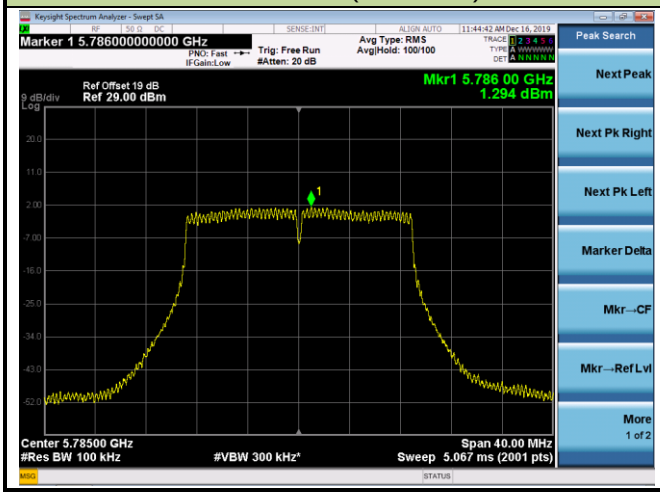
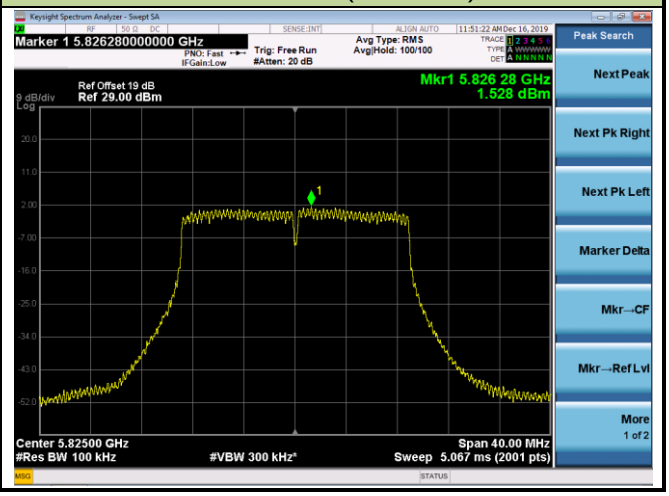
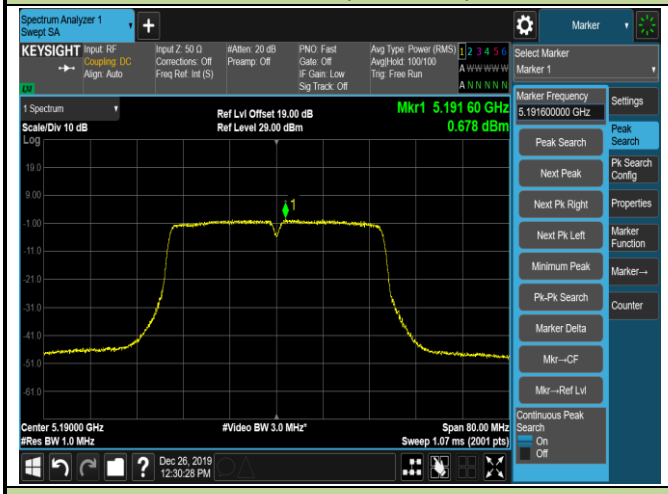
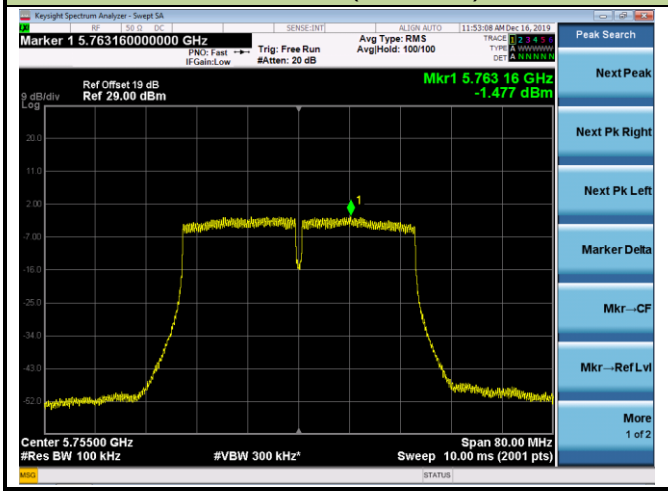
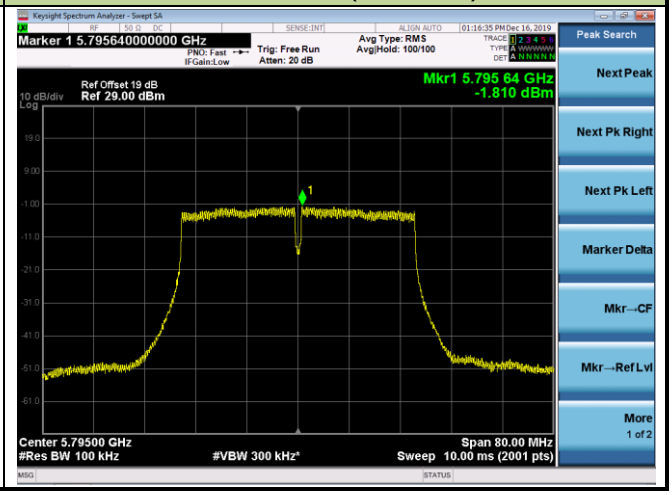
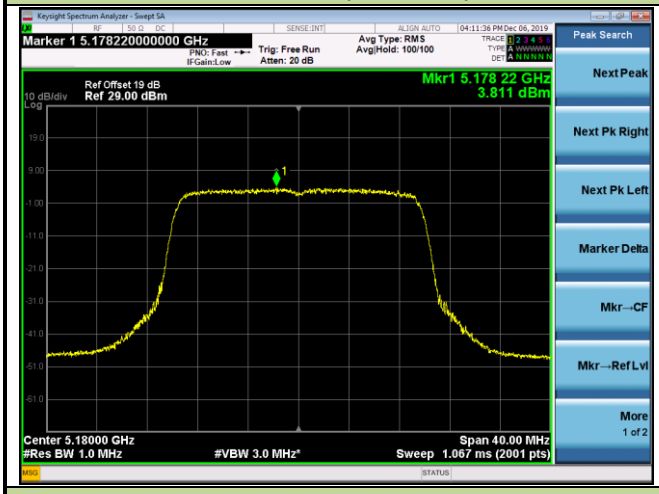
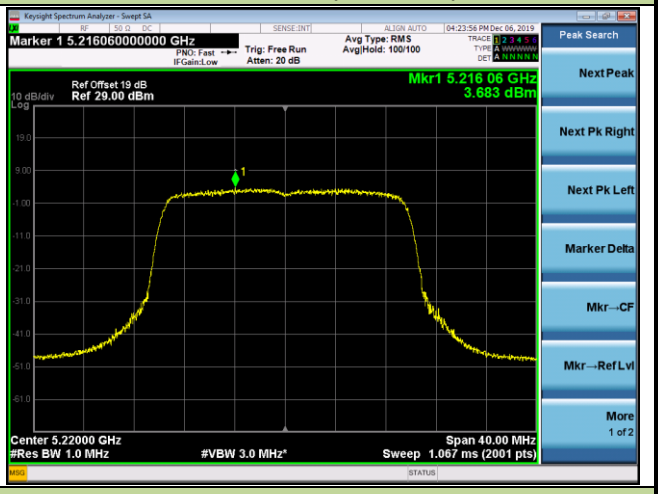
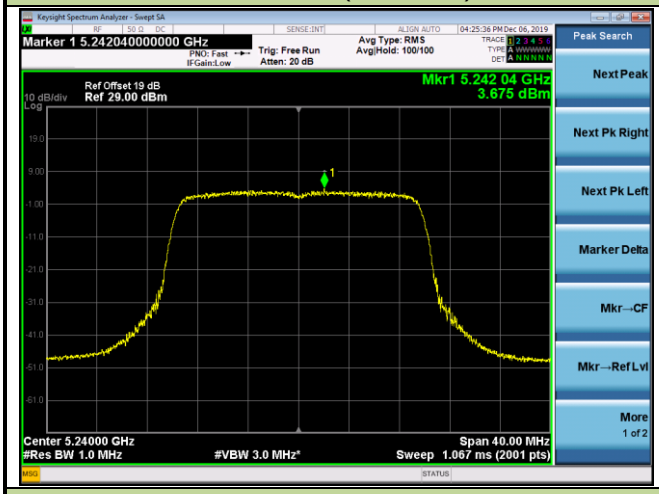
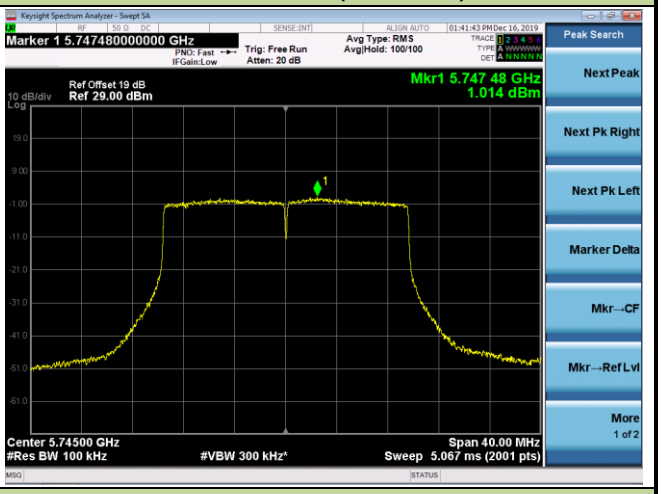
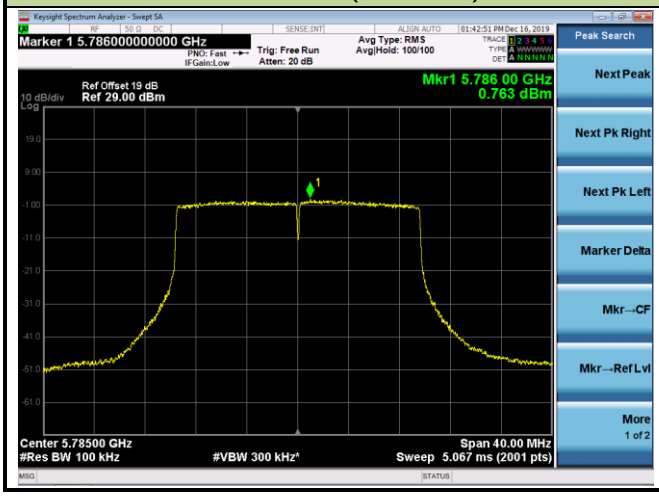
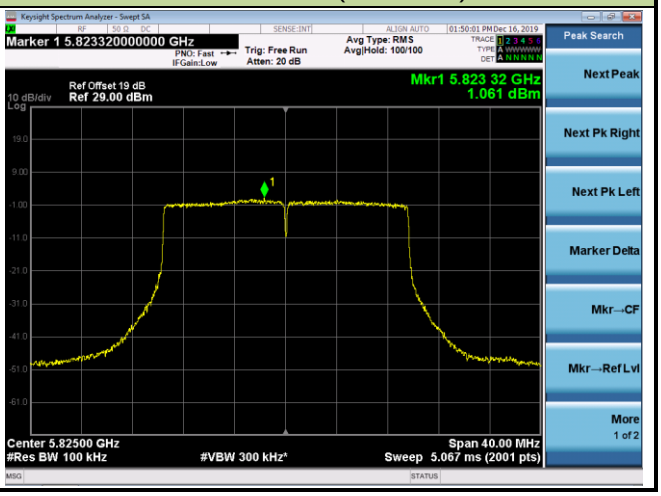
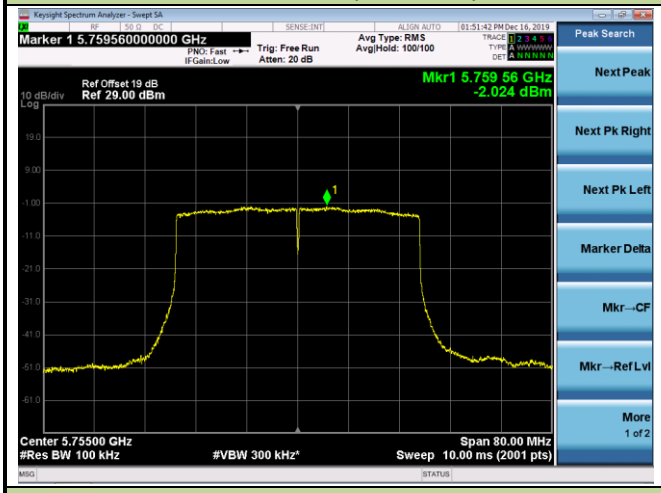
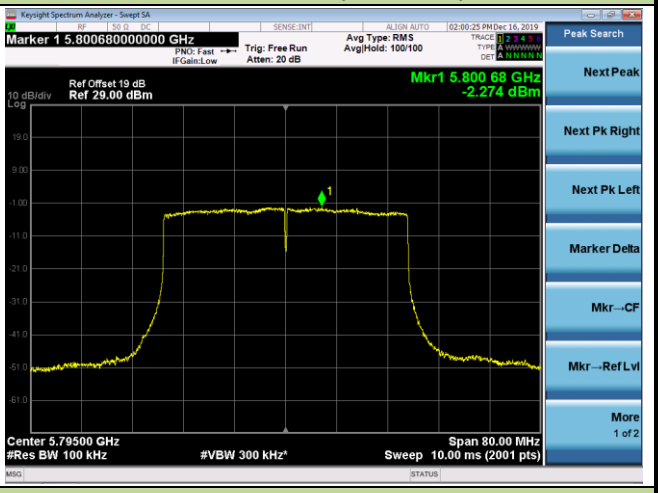
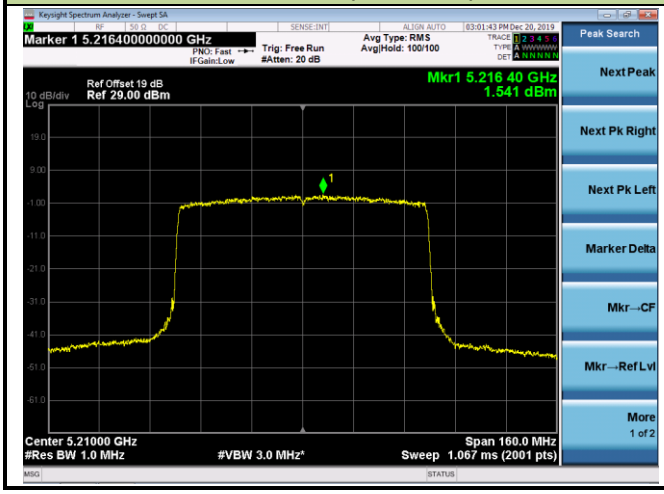
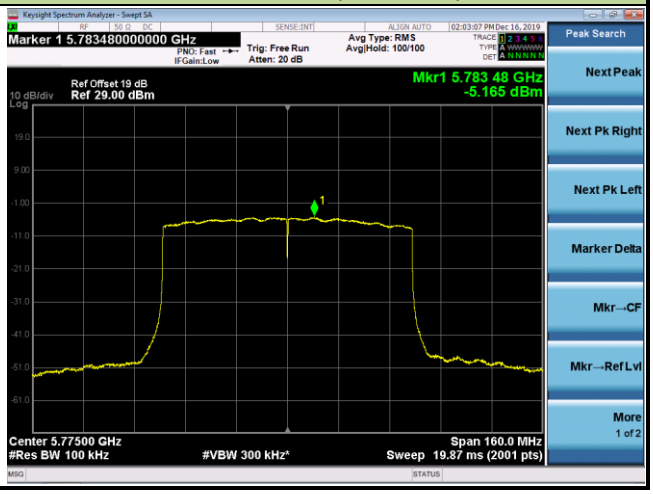
802.11ax-HE40 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	
802.11ax-HE80 Power Spectral Density - Ant 2 / Ant 0 + 1 + 2 + 3	
Channel 42 (5210MHz)	Channel 155 (5775MHz)
	

802.11a Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3	
Channel 36 (5180MHz)	Channel 44 (5220MHz)
	
Channel 48 (5240MHz)	Channel 149 (5745MHz)
	
Channel 157 (5785MHz)	Channel 165 (5825MHz)
	

802.11n-HT20 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3	
Channel 36 (5180MHz)	Channel 44 (5220MHz)
	
Channel 48 (5240MHz)	Channel 149 (5745MHz)
	
Channel 157 (5785MHz)	Channel 165 (5825MHz)
	

802.11n-HT40 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

802.11ax-HE20 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3	
Channel 36 (5180MHz)	Channel 44 (5220MHz)
	
Channel 48 (5240MHz)	Channel 149 (5745MHz)
	
Channel 157 (5785MHz)	Channel 165 (5825MHz)
	

802.11ax-HE40 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	
802.11ax-HE80 Power Spectral Density - Ant 3 / Ant 0 + 1 + 2 + 3	
Channel 42 (5210MHz)	Channel 155 (5775MHz)
	

Product	HAN Access Point	Temperature	22 ~ 25°C
Test Engineer	David Lv	Relative Humidity	46 ~ 54%
Test Site	TR3	Test Date	2019/10/12 ~ 2020/03/02
Model No.	AP361D	Test Item	Power Spectral Density

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/ MHz)	Ant 1 PSD (dBm/ MHz)	Ant 2 PSD (dBm/ MHz)	Ant 3 PSD (dBm/ MHz)	Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)	Result
11a	6Mbps	36	5180	-2.01	-2.45	-1.97	-2.30	92.14	4.20	≤ 9.58	Pass
11a	6Mbps	44	5220	-2.52	-1.74	-2.11	-1.92	92.14	4.31	≤ 9.58	Pass
11a	6Mbps	48	5240	-2.20	-1.80	-2.14	-2.27	92.14	4.28	≤ 9.58	Pass
11n-HT20	MCS0	36	5180	-2.29	-1.96	-1.98	-1.83	95.80	4.20	≤ 9.58	Pass
11n-HT20	MCS0	44	5220	-2.35	-1.60	-1.61	-1.82	95.80	4.37	≤ 9.58	Pass
11n-HT20	MCS0	48	5240	-1.41	-1.23	-2.20	-1.68	95.80	4.59	≤ 9.58	Pass
11n-HT40	MCS0	38	5190	-4.86	-5.00	-5.10	-4.75	93.70	1.38	≤ 9.58	Pass
11n-HT40	MCS0	46	5230	-5.07	-4.55	-4.25	-4.95	93.70	1.61	≤ 9.58	Pass
11ax-HE20	MCS0	36	5180	-1.91	-2.04	-2.20	-1.77	95.77	4.23	≤ 9.58	Pass
11ax-HE20	MCS0	44	5220	-2.43	-2.32	-2.39	-1.99	95.77	3.93	≤ 9.58	Pass
11ax-HE20	MCS0	48	5240	-2.21	-2.33	-2.43	-2.16	95.77	3.93	≤ 9.58	Pass
11ax-HE40	MCS0	38	5190	-4.42	-4.51	-4.54	-5.28	95.41	1.55	≤ 9.58	Pass
11ax-HE40	MCS0	46	5230	-5.01	-4.90	-5.09	-5.17	95.41	1.18	≤ 9.58	Pass
11ax-HE80	MCS0	42	5210	-7.82	-8.00	-8.26	-8.32	94.49	-1.83	≤ 9.58	Pass

Note: When EUT duty cycle < 98%, the total PSD (dBm/MHz) = 10*log {$10^{(\text{Ant 1 PSD}/10)}$ + $10^{(\text{Ant 2 PSD}/10)}$ + $10^{(\text{Ant 3 PSD}/10)}$ + $10^{(\text{Ant 4 PSD}/10)}$} (dBm/MHz) + 10*log(1/duty cycle)

Product	HAN Access Point	Temperature	22 ~ 25°C
Test Engineer	David Lv	Relative Humidity	46 ~ 54%
Test Site	TR3	Test Date	2019/10/12 ~ 2020/03/02
Model No.	AP361D	Test Item	Power Spectral Density

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/ 100kHz)	Ant 1 PSD (dBm/ 100kHz)	Ant 2 PSD (dBm/ 100kHz)	Ant 3 PSD (dBm/ 100kHz)	Duty Cycle (%)	Constant Factor (dB)	Total PSD (dBm/ 500kHz)	Limit (dBm/ 500kHz)	Result
11a	6Mbps	149	5745	0.16	1.07	0.88	0.67	92.14	6.99	14.07	≤ 22.58	Pass
11a	6Mbps	157	5785	1.28	2.06	1.47	1.50	92.14	6.99	14.95	≤ 22.58	Pass
11a	6Mbps	165	5825	0.95	0.43	0.37	0.30	92.14	6.99	13.89	≤ 22.58	Pass
11n-HT20	MCS0	149	5745	0.63	0.76	0.73	1.89	95.80	6.99	14.23	≤ 22.58	Pass
11n-HT20	MCS0	157	5785	0.57	1.10	1.39	0.84	95.80	6.99	14.18	≤ 22.58	Pass
11n-HT20	MCS0	165	5825	0.65	0.57	0.37	0.59	95.80	6.99	13.74	≤ 22.58	Pass
11n-HT40	MCS0	151	5755	-2.22	-2.10	-1.78	-2.06	93.70	6.99	11.26	≤ 22.58	Pass
11n-HT40	MCS0	159	5795	-3.15	-2.80	-2.97	-2.21	93.70	6.99	10.53	≤ 22.58	Pass
11ax-HE20	MCS0	149	5745	-0.91	-0.33	-0.26	-1.03	95.77	6.99	12.58	≤ 22.58	Pass
11ax-HE20	MCS0	157	5785	-0.29	-0.14	0.49	0.06	95.77	6.99	13.24	≤ 22.58	Pass
11ax-HE20	MCS0	165	5825	-0.94	-1.52	0.16	-0.70	95.77	6.99	12.49	≤ 22.58	Pass
11ax-HE40	MCS0	151	5755	-3.85	-3.08	-3.33	-3.27	95.41	6.99	9.84	≤ 22.58	Pass
11ax-HE40	MCS0	159	5795	-2.71	-4.10	-2.82	-3.01	95.41	6.99	10.09	≤ 22.58	Pass
11ax-HE80	MCS0	155	5775	-5.51	-6.04	-5.74	-5.97	94.49	6.99	7.45	≤ 22.58	Pass

Note: When EUT duty cycle < 98%, the total PSD (dBm/500KHz) = 10*log {$10^{(\text{Ant 1 PSD}/10)}$ + $10^{(\text{Ant 2 PSD}/10)}$ + $10^{(\text{Ant 3 PSD}/10)}$ + $10^{(\text{Ant 4 PSD}/10)}$} (dBm/100KHz) + Constant Factor + 10*log (1/Duty Cycle).

Product	HAN Access Point	Temperature	22 ~ 25°C
Test Engineer	David Lv	Relative Humidity	46 ~ 54%
Test Site	TR3	Test Date	2019/10/12 ~ 2020/03/02
Model No.	AP361D - Scan Antenna	Test Item	Power Spectral Density

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	AVGPSD (dBm / MHz)	Duty Cycle (%)	Total PSD (dBm/ MHz)	PSD Limit (dBm/MHz)	Result
11a	6Mbps	36	5180	-1.41	96.20	-1.24	≤ 13.60	Pass
11a	6Mbps	44	5220	-1.24	96.20	-1.07	≤ 13.60	Pass
11a	6Mbps	48	5240	-1.03	96.20	-0.86	≤ 13.60	Pass

Note 1: When EUT duty cycle < 98%, Total PSD (dBm/ MHz) = AVGPSD (dBm / MHz) + 10*log(1/duty cycle).

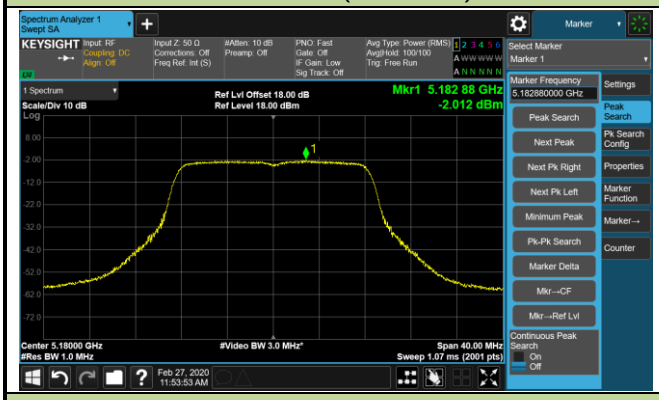
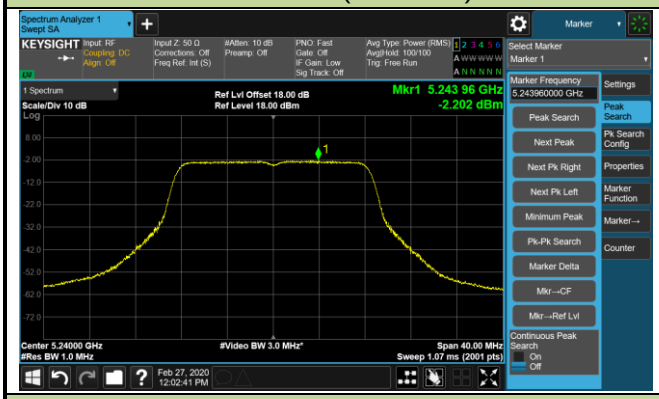
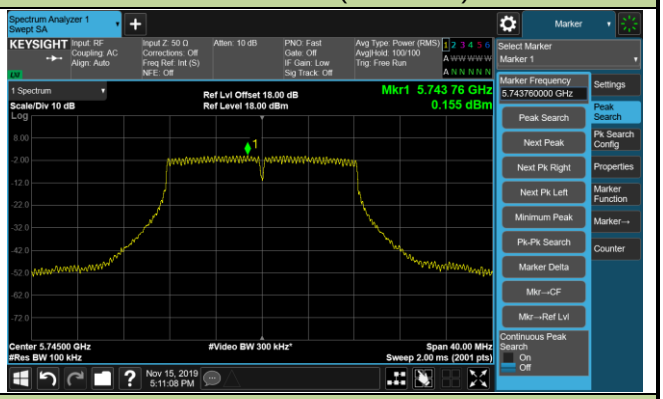
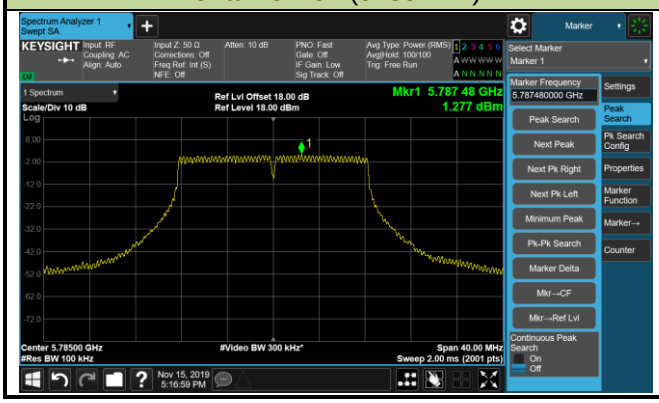
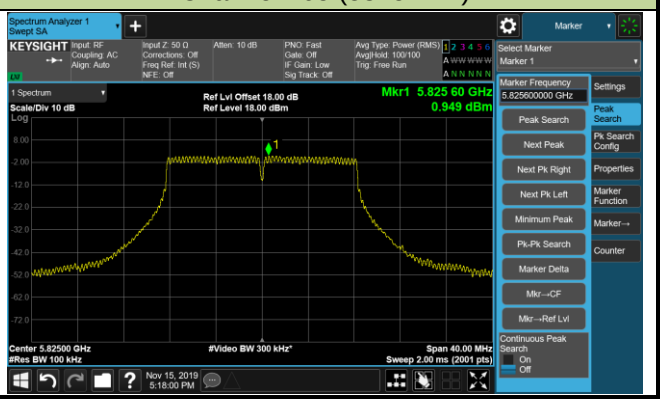
Note 2: The antenna gain of the AP361D in the three models is the largest, so we calculate the PSD limit according to the maximum gain value as the most stringent requirement.

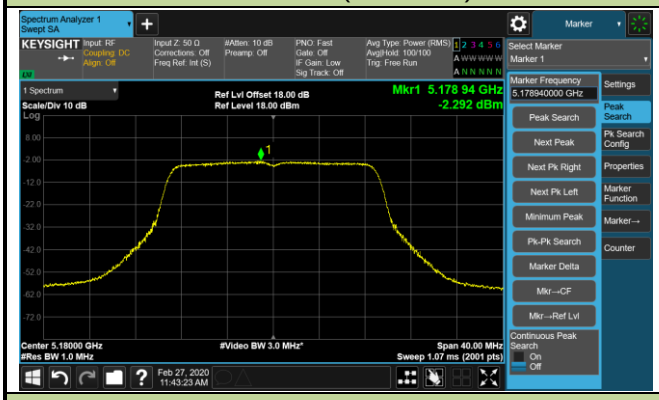
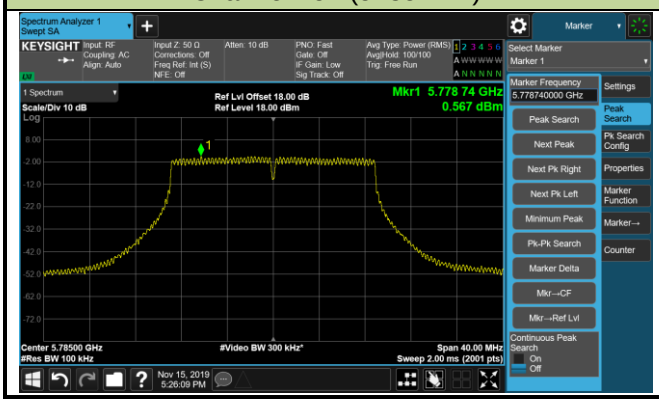
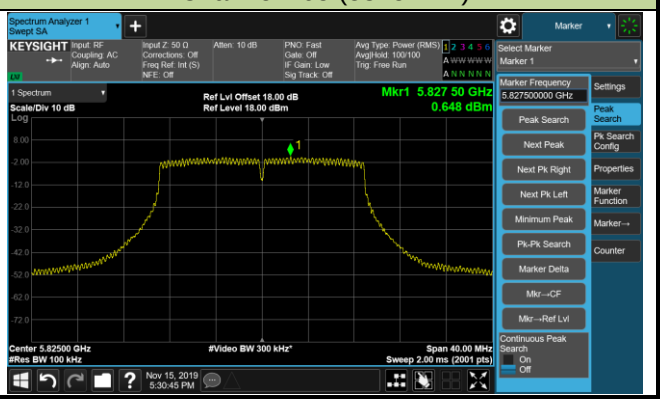
Product	HAN Access Point	Temperature	22 ~ 25°C
Test Engineer	David Lv	Relative Humidity	46 ~ 54%
Test Site	TR3	Test Date	2019/10/12 ~ 2020/03/02
Model No.	AP361D - Scan Antenna	Test Item	Power Spectral Density

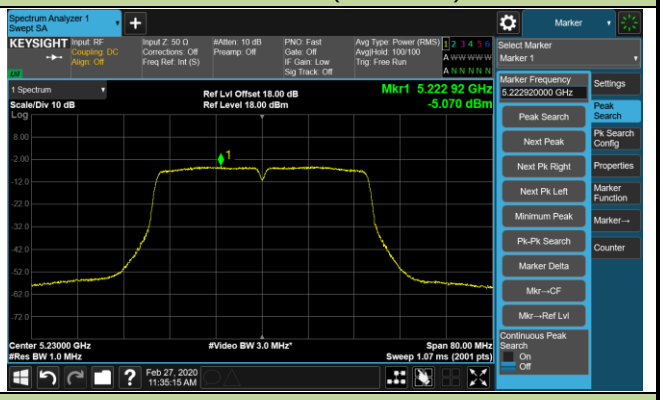
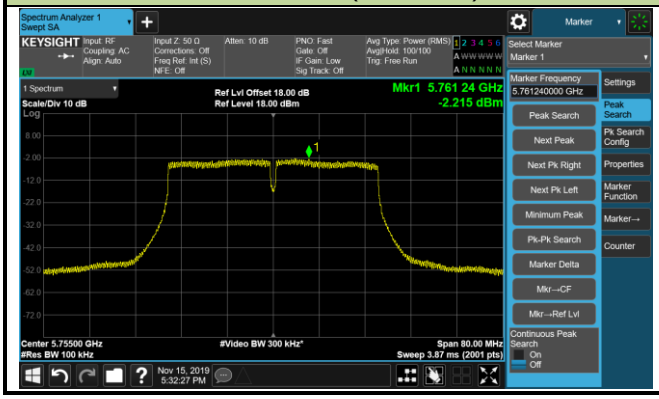
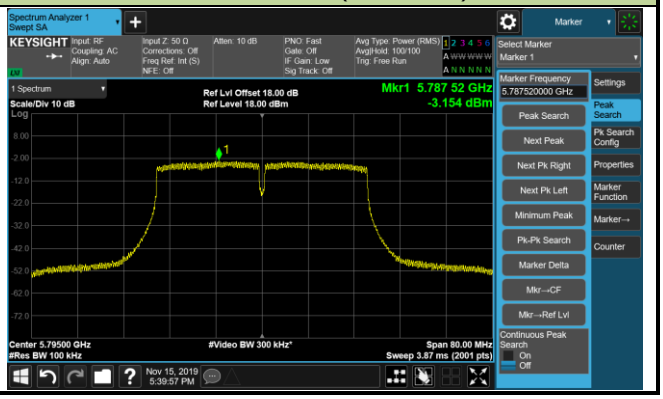
Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	AVGPSD (dBm / 100kHz)	Duty Cycle (%)	Constant Factor (dB)	Total AVGPSD (dBm / 500kHz)	Limit (dBm / 500kHz)	Result
11a	6Mbps	149	5745	-9.73	96.20	6.99	-2.57	≤ 26.60	Pass
11a	6Mbps	157	5785	-10.05	96.20	6.99	-2.89	≤ 26.60	Pass
11a	6Mbps	165	5825	-10.22	96.20	6.99	-3.06	≤ 26.60	Pass

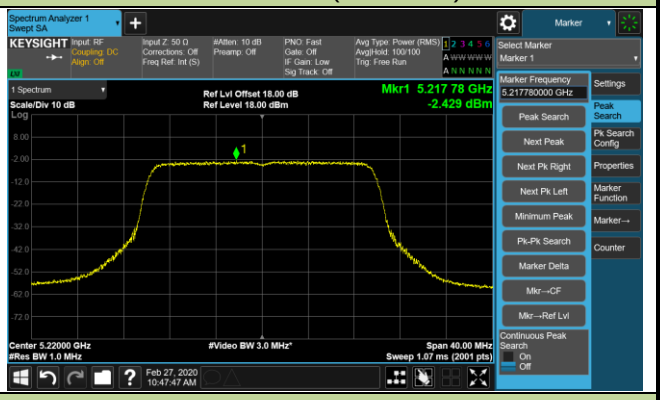
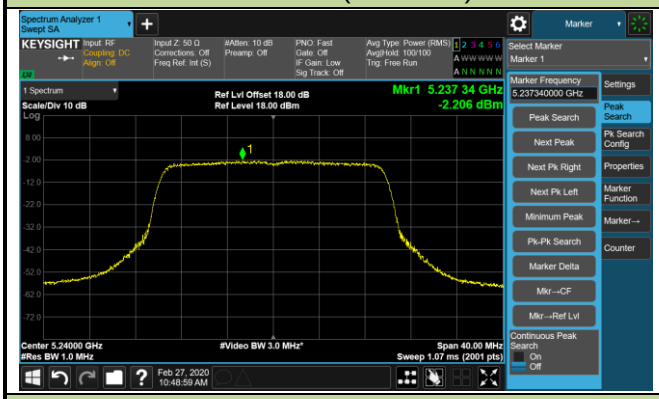
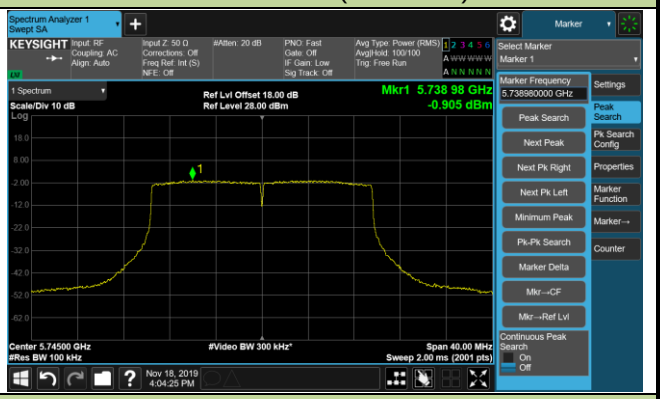
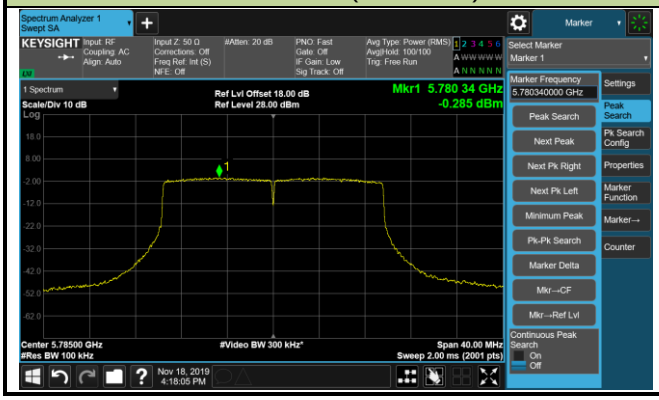
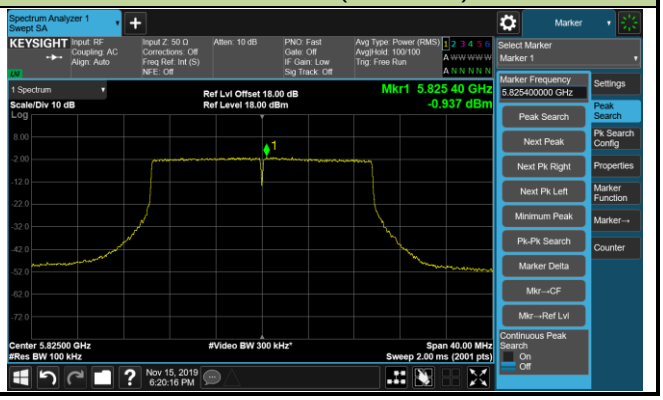
Note 1: When EUT duty cycle < 98%, Total PSD (dBm/500kHz) = AVGPSD (dBm / 100kHz) + 10*log(1/duty cycle) + Constant Factor.

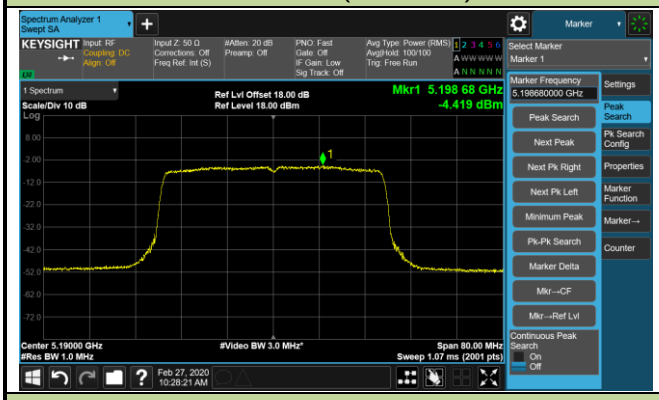
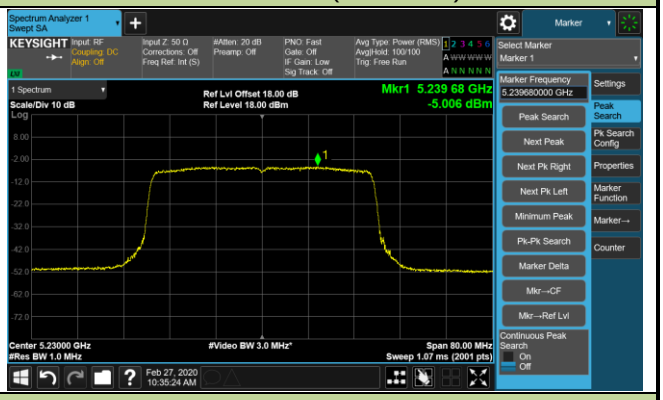
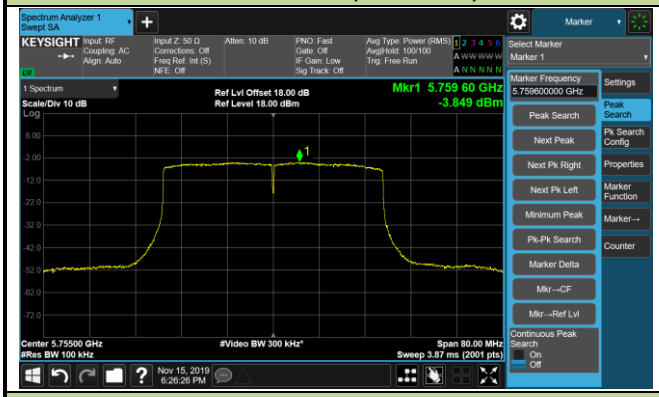
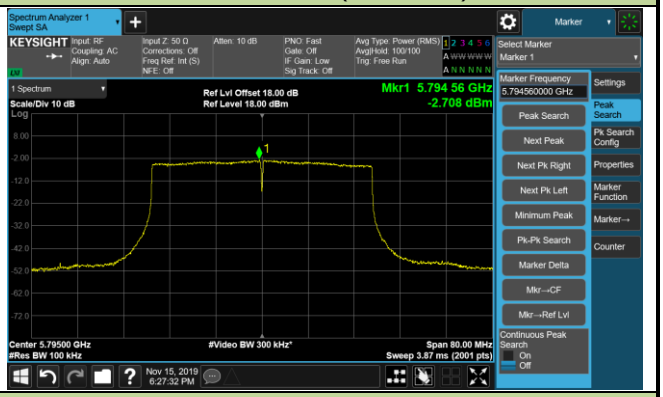
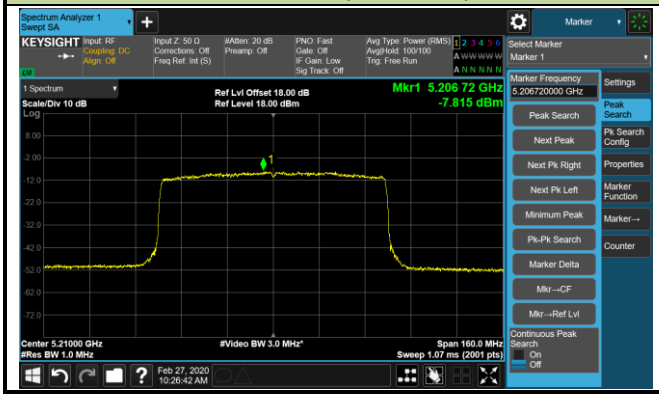
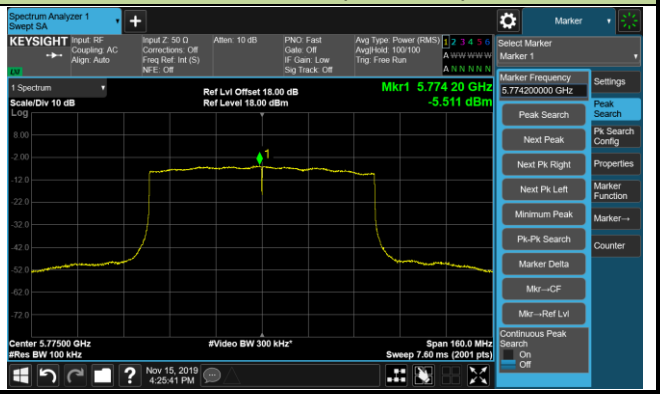
Note 2: The antenna gain of the AP361D in the three models is the largest, so we calculate the PSD limit according to the maximum gain value as the most stringent requirement.

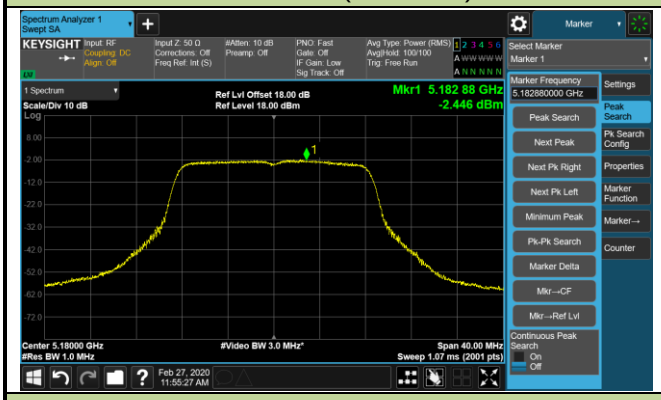
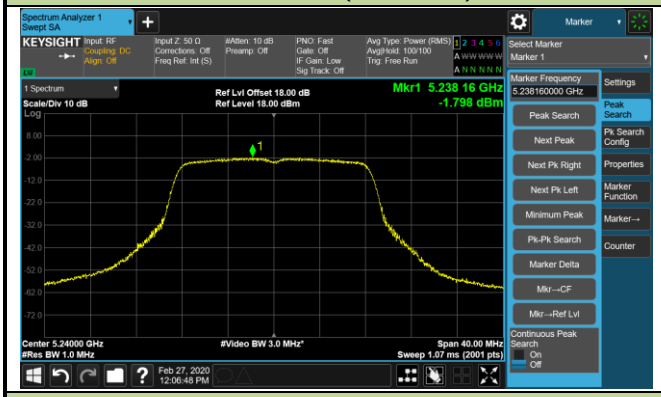
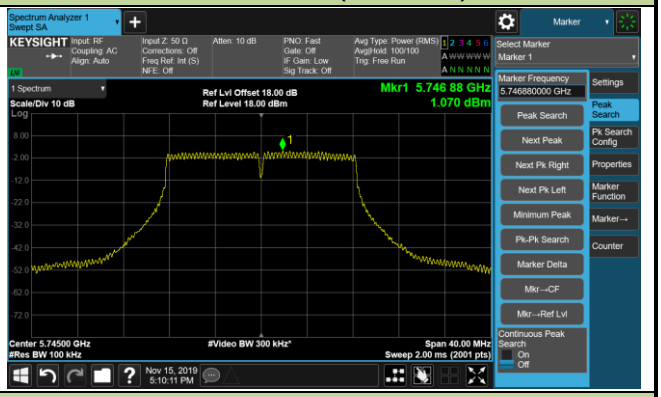
802.11a Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3	
Channel 36 (5180MHz)	Channel 44 (5220MHz)
	
Channel 48 (5240MHz)	Channel 149 (5745MHz)
	
Channel 157 (5785MHz)	Channel 165 (5825MHz)
	

802.11n-HT20 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3	
Channel 36 (5180MHz)	Channel 44 (5220MHz)
	
Channel 48 (5240MHz)	Channel 149 (5745MHz)
	
Channel 157 (5785MHz)	Channel 165 (5825MHz)
	

802.11n-HT40 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	

802.11ax-HE20 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3	
Channel 36 (5180MHz)	Channel 44 (5220MHz)
	
Channel 48 (5240MHz)	Channel 149 (5745MHz)
	
Channel 157 (5785MHz)	Channel 165 (5825MHz)
	

802.11ax-HE40 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3	
Channel 38 (5190MHz)	Channel 46 (5230MHz)
	
Channel 151 (5755MHz)	Channel 159 (5795MHz)
	
802.11ax-HE80 Power Spectral Density - Ant 0 / Ant 0 + 1 + 2 + 3	
Channel 42 (5210MHz)	Channel 155 (5775MHz)
	

802.11a Power Spectral Density - Ant 1 / Ant 0 + 1 + 2 + 3	
Channel 36 (5180MHz)	Channel 44 (5220MHz)
	
Channel 48 (5240MHz)	Channel 149 (5745MHz)
	
Channel 157 (5785MHz)	Channel 165 (5825MHz)