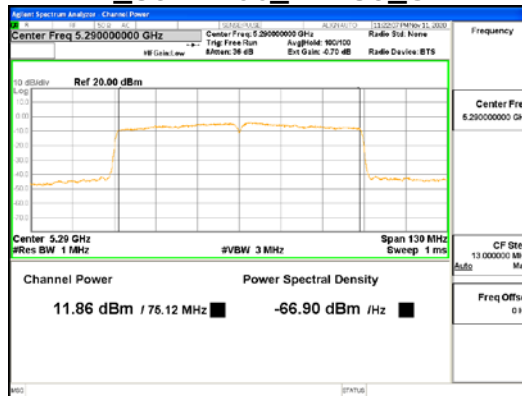
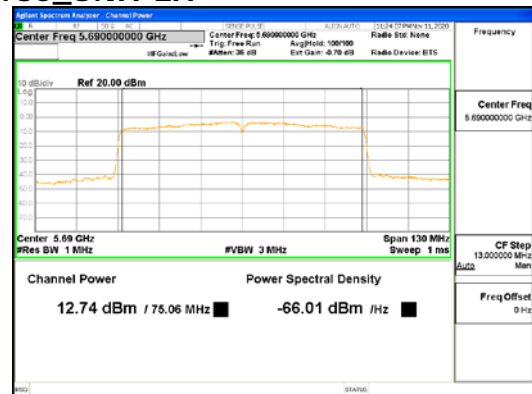
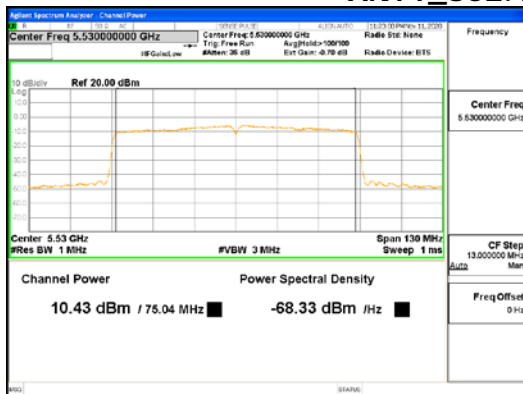


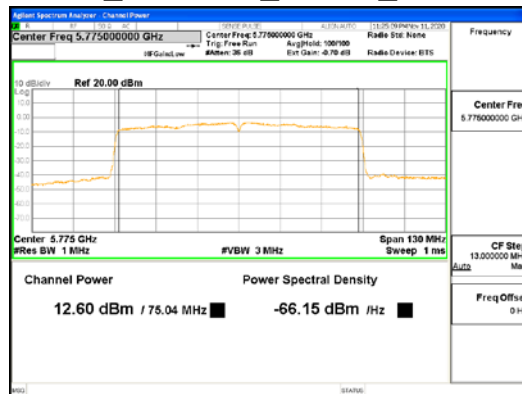
ANT1_802.11ac_VHT80_UNII 1



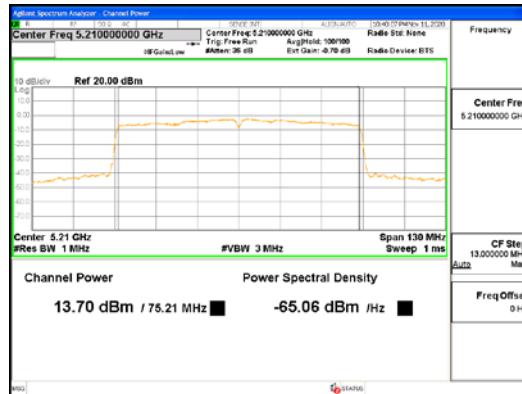
ANT1_802.11ac_VHT80_UNII 2A



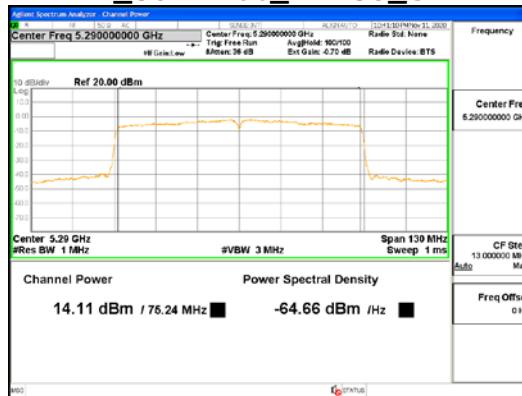
ANT1_802.11ac_VHT80_UNII 2C



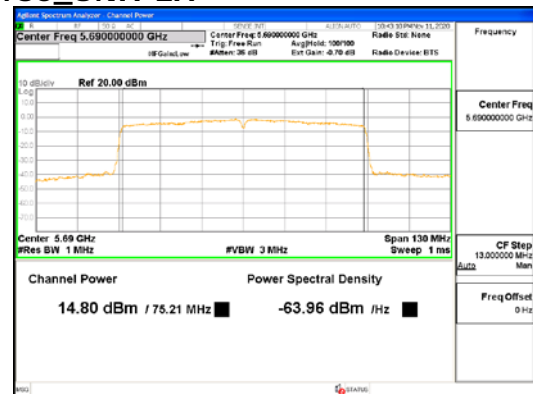
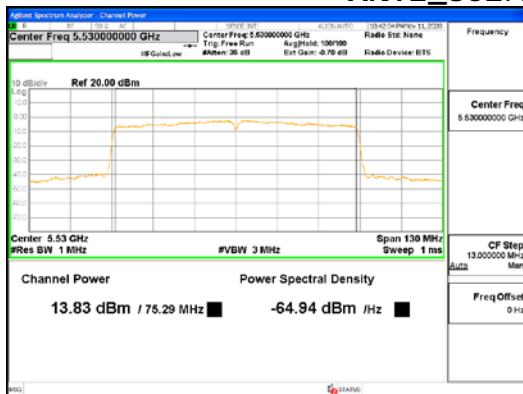
ANT1_802.11ac_VHT80_UNII 3



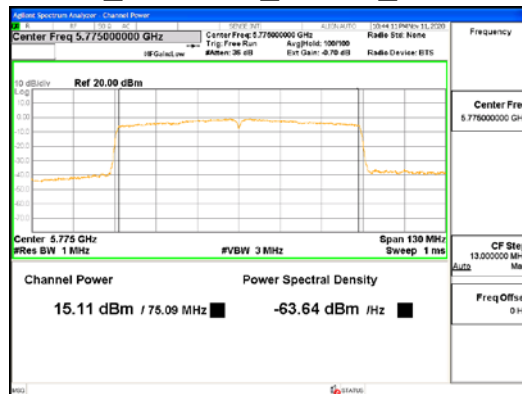
ANT2_802.11ac_VHT80_UNII 1



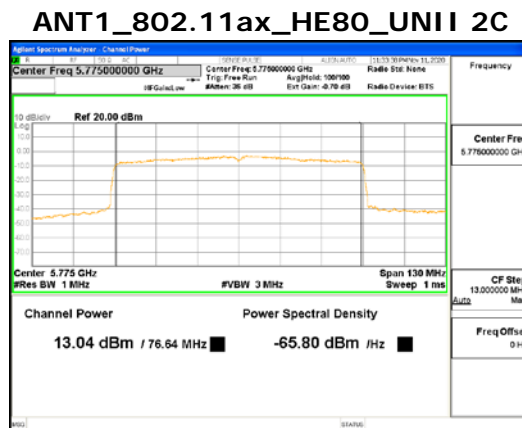
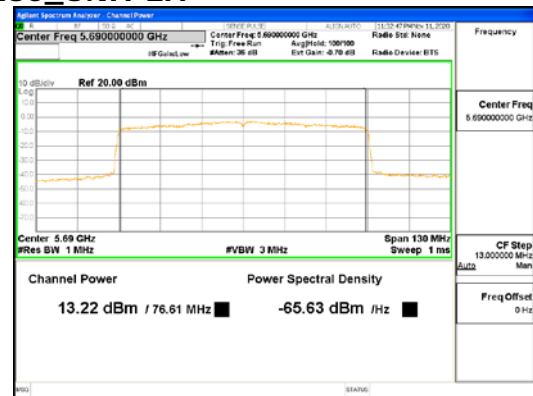
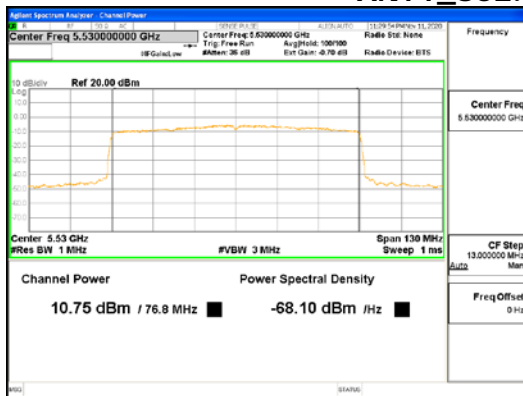
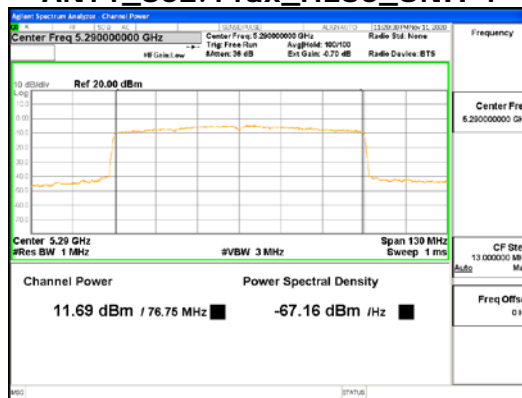
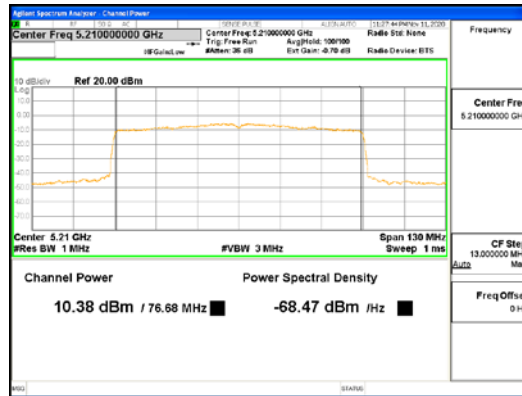
ANT2_802.11ac_VHT80_UNII 2A

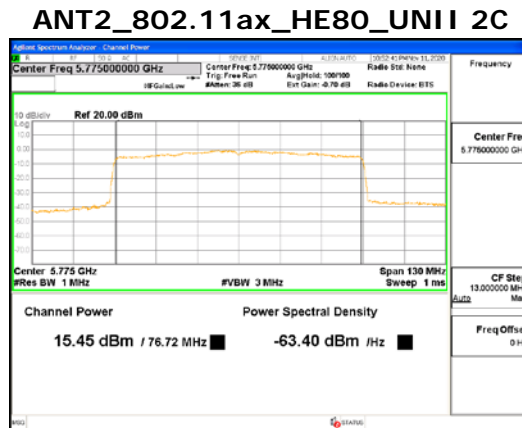
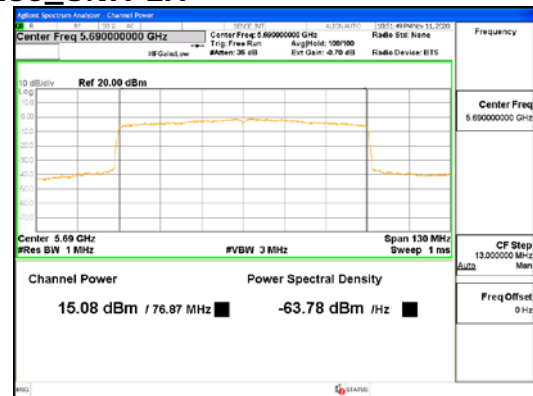
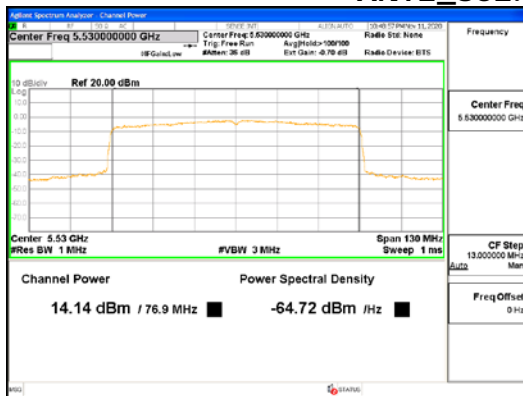
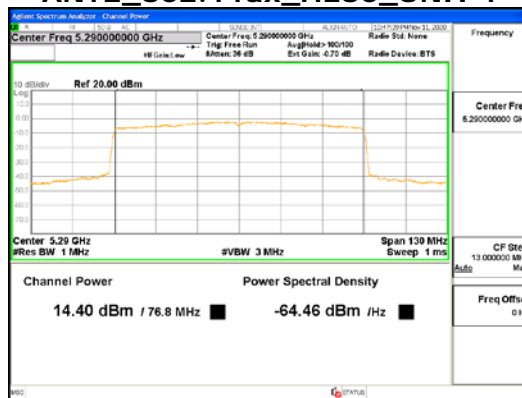


ANT2_802.11ac_VHT80_UNII 2C



ANT2_802.11ac_VHT80_UNII 3







4.4 Power Spectral Density

Test Procedures

KDB 789033 – Section F (Method SA-2, Maximum Power Spectral Density)
KDB 662911 D01, D02 (Multiple Transmitter Output)

The peak power density is measured with a spectrum analyzer connected to the antenna terminal while the EUT is operating in transmission mode at the appropriate frequencies.

Test Settings :

Center frequency = the highest, middle and the lowest channels

- a) RBW = 1 MHz, 500 KHz (UNII 3)
- b) VBW = 3 MHz, 1.5 MHz (UNII 3)
- c) Sweep time = auto
- d) Detector = power averaging (rms)
- e) Trace mode = Average at least 100
- f) Duty cycle factor = $10\log(1/x)$

Test mode	Duty Cycle Factor (dB)
802.11a	0.13
802.11n_HT20	0.14
802.11n_HT40	0.27
802.11ac_VHT20	0.26
802.11ac_VHT40	0.49
802.11ac_VHT80	0.89
802.11ax_HE20_SU	0.31
802.11ax_HE40_SU	0.53
802.11ax_HE80_SU	0.85
802.11ax HE20/40/80 26T	0.24



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Limit

Operating Mode	ANT Configuration	ANT Gain (dBi)	Mode	Band	Limit (dBm)
SISO	ANT1, ANT2	0.95, -1.37	802.11a/n/ac/ax	UNII 1	11.00
				UNII 2A	11.00
				UNII 2C	11.00
				UNII 3	30.00
MIMO (2Tx)	ANT1 + ANT2	2.95	802.11a/n/ac/ax	UNII 1	11.00
				UNII 2A	11.00
				UNII 2C	11.00
				UNII 3	30.00

Test Data

ANT1

Test Mode	Frequency (MHz)	Measured Power Density (dBm)	Duty cycle Factor (dB)	Result Power Density (dBm)	Limit (dBm)	Margin (dB)
802.11a	5 180	-1.41	0.13	-1.28	11.00	12.28
	5 200	-1.21	0.13	-1.08	11.00	12.08
	5 240	-0.38	0.13	-0.25	11.00	11.25
	5 260	2.74	0.13	2.87	11.00	8.13
	5 300	1.04	0.13	1.17	11.00	9.83
	5 320	0.96	0.13	1.09	11.00	9.91
	5 500	1.44	0.13	1.57	11.00	9.43
	5 600	3.53	0.13	3.66	11.00	7.34
	5 720	3.64	0.13	3.77	11.00	7.23
	5 745	1.36	0.13	1.49	30.00	28.51
	5 785	1.01	0.13	1.14	30.00	28.86
	5 825	-1.50	0.13	-1.37	30.00	31.37
802.11n _HT20	5 180	-0.03	0.14	0.11	11.00	10.89
	5 200	0.14	0.14	0.28	11.00	10.72
	5 240	0.59	0.14	0.73	11.00	10.27
	5 260	2.66	0.14	2.80	11.00	8.20
	5 300	2.21	0.14	2.35	11.00	8.65
	5 320	1.98	0.14	2.12	11.00	8.88
	5 500	2.21	0.14	2.35	11.00	8.65
	5 600	3.73	0.14	3.87	11.00	7.13
	5 720	3.84	0.14	3.98	11.00	7.02
	5 745	1.16	0.14	1.30	30.00	28.70
	5 785	1.04	0.14	1.18	30.00	28.82
	5 825	-1.52	0.14	-1.38	30.00	31.38
802.11ac _VHT20	5 180	-1.31	0.26	-1.05	11.00	12.05
	5 200	-1.31	0.26	-1.05	11.00	12.05
	5 240	-1.13	0.26	-0.87	11.00	11.87
	5 260	1.97	0.26	2.23	11.00	8.77
	5 300	0.37	0.26	0.63	11.00	10.37
	5 320	0.55	0.26	0.81	11.00	10.19
	5 500	1.22	0.26	1.48	11.00	9.52
	5 600	3.62	0.26	3.88	11.00	7.12
	5 720	3.46	0.26	3.72	11.00	7.28



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	5 745	0.86	0.26	1.12	30.00	28.88
	5 785	0.44	0.26	0.70	30.00	29.30
	5 825	-2.38	0.26	-2.12	30.00	32.12
802.11ax _HE20 _SU	5 180	-1.58	0.31	-1.27	11.00	12.27
	5 200	-1.32	0.31	-1.01	11.00	12.01
	5 240	-1.46	0.31	-1.15	11.00	12.15
	5 260	2.07	0.31	2.38	11.00	8.62
	5 300	0.09	0.31	0.40	11.00	10.60
	5 320	0.89	0.31	1.20	11.00	9.80
	5 500	1.25	0.31	1.56	11.00	9.44
	5 600	3.45	0.31	3.76	11.00	7.24
	5 720	3.28	0.31	3.59	11.00	7.41
	5 745	0.97	0.31	1.28	30.00	28.72
	5 785	0.29	0.31	0.60	30.00	29.40
	5 825	-2.32	0.31	-2.01	30.00	32.01
802.11n _HT40	5 190	-1.77	0.27	-1.50	11.00	12.50
	5 230	-1.79	0.27	-1.52	11.00	12.52
	5 270	-0.85	0.27	-0.58	11.00	11.58
	5 310	-2.55	0.27	-2.28	11.00	13.28
	5 510	1.97	0.27	2.24	11.00	8.76
	5 590	3.99	0.27	4.26	11.00	6.74
	5 710	3.85	0.27	4.12	11.00	6.88
	5 755	1.12	0.27	1.39	30.00	28.61
	5 795	0.63	0.27	0.90	30.00	29.10
802.11ac _VHT40	5 190	-2.13	0.49	-1.64	11.00	12.64
	5 230	-2.36	0.49	-1.87	11.00	12.87
	5 270	-1.18	0.49	-0.69	11.00	11.69
	5 310	-2.90	0.49	-2.41	11.00	13.41
	5 510	1.74	0.49	2.23	11.00	8.77
	5 590	3.57	0.49	4.06	11.00	6.94
	5 710	3.41	0.49	3.90	11.00	7.10
	5 755	1.04	0.49	1.53	30.00	28.47
	5 795	0.43	0.49	0.92	30.00	29.08
802.11ax _HE40 _SU	5 190	-1.91	0.53	-1.38	11.00	12.38
	5 230	-2.47	0.53	-1.94	11.00	12.94
	5 270	-1.28	0.53	-0.75	11.00	11.75
	5 310	-3.08	0.53	-2.55	11.00	13.55
	5 510	1.47	0.53	2.00	11.00	9.00
	5 590	3.57	0.53	4.10	11.00	6.90



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	5 710	3.37	0.53	3.90	11.00	7.10
	5 755	0.66	0.53	1.19	30.00	28.81
	5 795	0.28	0.53	0.81	30.00	29.19
802.11ac _VHT80	5 210	-5.03	0.89	-4.14	11.00	15.14
	5 290	-4.48	0.89	-3.59	11.00	14.59
	5 530	-5.79	0.89	-4.90	11.00	15.90
	5 690	-3.29	0.89	-2.40	11.00	13.40
	5 775	-6.40	0.89	-5.51	30.00	35.51
802.11ax _HE80 _SU	5 210	-5.44	0.85	-4.59	11.00	15.59
	5 290	-4.89	0.85	-4.04	11.00	15.04
	5 530	-5.58	0.85	-4.73	11.00	15.73
	5 690	-2.96	0.85	-2.11	11.00	13.11
	5 775	-5.63	0.85	-4.78	30.00	34.78
Measurement uncertainty		1.5 dB				



Test Mode	Frequency (MHz)	RU Index	Measured Power Density (dBm)	Duty cycle Factor (dB)	Result Power Density (dBm)	Limit (dBm)	Margin (dB)
802.11ax _HE20 _26T	5 180	Low	1.77	0.24	2.01	11.00	8.99
		Mid	1.36	0.24	1.60	11.00	9.40
		High	2.30	0.24	2.54	11.00	8.46
	5 200	Low	2.09	0.24	2.33	11.00	8.67
		Mid	0.87	0.24	1.11	11.00	9.89
		High	2.19	0.24	2.43	11.00	8.57
	5 240	Low	0.50	0.24	0.74	11.00	10.26
		Mid	0.13	0.24	0.37	11.00	10.63
		High	1.24	0.24	1.48	11.00	9.52
	5 260	Low	5.80	0.24	6.04	11.00	4.96
		Mid	4.38	0.24	4.62	11.00	6.38
		High	5.64	0.24	5.88	11.00	5.12
	5 300	Low	4.36	0.24	4.60	11.00	6.40
		Mid	3.56	0.24	3.80	11.00	7.20
		High	4.86	0.24	5.10	11.00	5.90
	5 320	Low	4.75	0.24	4.99	11.00	6.01
		Mid	3.46	0.24	3.70	11.00	7.30
		High	4.58	0.24	4.82	11.00	6.18
	5 500	Low	4.70	0.24	4.94	11.00	6.06
		Mid	3.77	0.24	4.01	11.00	6.99
		High	5.07	0.24	5.31	11.00	5.69
	5 600	Low	5.76	0.24	6.00	11.00	5.00
		Mid	4.91	0.24	5.15	11.00	5.85
		High	5.92	0.24	6.16	11.00	4.84
	5 720	Low	6.79	0.24	7.03	11.00	3.97
		Mid	5.75	0.24	5.99	11.00	5.01
		High	6.81	0.24	7.05	11.00	3.95
	5 745	Low	5.31	0.24	5.55	30.00	24.45
		Mid	4.90	0.24	5.14	30.00	24.86
		High	4.89	0.24	5.13	30.00	24.87
5 785	Low	4.78	0.24	5.02	30.00	24.98	
	Mid	5.02	0.24	5.26	30.00	24.74	
	High	5.08	0.24	5.32	30.00	24.68	
5 825	Low	6.00	0.24	6.24	30.00	23.76	
	Mid	5.60	0.24	5.84	30.00	24.16	
	High	5.90	0.24	6.14	30.00	23.86	
Measurement uncertainty		1.5 dB					



Test Mode	Frequency (MHz)	RU Index	Measured Power Density (dBm)	Duty cycle Factor (dB)	Result Power Density (dBm)	Limit (dBm)	Margin (dB)
802.11ax _HE40 _26T	5 190	Low	1.49	0.24	1.73	11.00	9.27
		Mid	1.52	0.24	1.76	11.00	9.24
		High	1.38	0.24	1.62	11.00	9.38
	5 230	Low	1.53	0.24	1.77	11.00	9.23
		Mid	1.93	0.24	2.17	11.00	8.83
		High	2.20	0.24	2.44	11.00	8.56
	5 270	Low	6.09	0.24	6.33	11.00	4.67
		Mid	6.22	0.24	6.46	11.00	4.54
		High	6.22	0.24	6.46	11.00	4.54
	5 310	Low	6.42	0.24	6.66	11.00	4.34
		Mid	6.59	0.24	6.83	11.00	4.17
		High	6.18	0.24	6.42	11.00	4.58
	5 510	Low	4.94	0.24	5.18	11.00	5.82
		Mid	5.59	0.24	5.83	11.00	5.17
		High	5.11	0.24	5.35	11.00	5.65
	5 590	Low	5.31	0.24	5.55	11.00	5.45
		Mid	5.89	0.24	6.13	11.00	4.87
		High	5.70	0.24	5.94	11.00	5.06
	5 710	Low	6.13	0.24	6.37	11.00	4.63
		Mid	6.57	0.24	6.81	11.00	4.19
		High	6.27	0.24	6.51	11.00	4.49
	5 755	Low	4.28	0.24	4.52	30.00	25.48
		Mid	4.43	0.24	4.67	30.00	25.33
		High	3.74	0.24	3.98	30.00	26.02
5 795	Low	4.07	0.24	4.31	30.00	25.69	
	Mid	4.38	0.24	4.62	30.00	25.38	
	High	4.16	0.24	4.40	30.00	25.60	
Measurement uncertainty		1.5 dB					



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Test Mode	Frequency (MHz)	RU Index	Measured Power Density (dBm)	Duty cycle Factor (dB)	Result Power Density (dBm)	Limit (dBm)	Margin (dB)
802.11ax _HE80 _26T	5 210	Low	1.38	0.24	1.62	11.00	9.38
		Mid	0.70	0.24	0.94	11.00	10.06
		High	2.06	0.24	2.30	11.00	8.70
	5 290	Low	6.05	0.24	6.29	11.00	4.71
		Mid	5.80	0.24	6.04	11.00	4.96
		High	6.39	0.24	6.63	11.00	4.37
	5 530	Low	5.51	0.24	5.75	11.00	5.25
		Mid	4.69	0.24	4.93	11.00	6.07
		High	5.02	0.24	5.26	11.00	5.74
	5 690	Low	6.35	0.24	6.59	11.00	4.41
		Mid	5.28	0.24	5.52	11.00	5.48
		High	6.47	0.24	6.71	11.00	4.29
	5 775	Low	4.55	0.24	4.79	30.00	25.21
		Mid	4.35	0.24	4.59	30.00	25.41
		High	4.45	0.24	4.69	30.00	25.31
Measurement uncertainty		1.5 dB					



ANT2

Test Mode	Frequency (MHz)	Measured Power Density (dBm)	Duty cycle Factor (dB)	Result Power Density (dBm)	Limit (dBm)	Margin (dB)
802.11a	5 180	2.45	0.13	2.58	11.00	8.42
	5 200	2.31	0.13	2.44	11.00	8.56
	5 240	2.06	0.13	2.19	11.00	8.81
	5 260	4.59	0.13	4.72	11.00	6.28
	5 300	3.90	0.13	4.03	11.00	6.97
	5 320	4.35	0.13	4.48	11.00	6.52
	5 500	4.60	0.13	4.73	11.00	6.27
	5 600	6.15	0.13	6.28	11.00	4.72
	5 720	5.98	0.13	6.11	11.00	4.89
	5 745	3.06	0.13	3.19	30.00	26.81
	5 785	2.97	0.13	3.10	30.00	26.90
	5 825	2.93	0.13	3.06	30.00	26.94
802.11n _HT20	5 180	1.94	0.14	2.08	11.00	8.92
	5 200	1.92	0.14	2.06	11.00	8.94
	5 240	1.70	0.14	1.84	11.00	9.16
	5 260	4.05	0.14	4.19	11.00	6.81
	5 300	3.65	0.14	3.79	11.00	7.21
	5 320	3.80	0.14	3.94	11.00	7.06
	5 500	4.30	0.14	4.44	11.00	6.56
	5 600	5.74	0.14	5.88	11.00	5.12
	5 720	5.64	0.14	5.78	11.00	5.22
	5 745	2.40	0.14	2.54	30.00	27.46
	5 785	2.74	0.14	2.88	30.00	27.12
	5 825	2.39	0.14	2.53	30.00	27.47
802.11ac _VHT20	5 180	1.87	0.26	2.13	11.00	8.87
	5 200	2.05	0.26	2.31	11.00	8.69
	5 240	1.50	0.26	1.76	11.00	9.24
	5 260	4.06	0.26	4.32	11.00	6.68
	5 300	3.69	0.26	3.95	11.00	7.05
	5 320	3.84	0.26	4.10	11.00	6.90
	5 500	4.41	0.26	4.67	11.00	6.33
	5 600	5.54	0.26	5.80	11.00	5.20
	5 720	5.61	0.26	5.87	11.00	5.13
	5 745	2.70	0.26	2.96	30.00	27.04



	5 785	2.37	0.26	2.63	30.00	27.37
	5 825	2.43	0.26	2.69	30.00	27.31
802.11ax _HE20 _SU	5 180	1.66	0.31	1.97	11.00	9.03
	5 200	1.67	0.31	1.98	11.00	9.02
	5 240	1.35	0.31	1.66	11.00	9.34
	5 260	4.04	0.31	4.35	11.00	6.65
	5 300	3.47	0.31	3.78	11.00	7.22
	5 320	3.31	0.31	3.62	11.00	7.38
	5 500	3.88	0.31	4.19	11.00	6.81
	5 600	5.56	0.31	5.87	11.00	5.13
	5 720	5.37	0.31	5.68	11.00	5.32
	5 745	1.95	0.31	2.26	30.00	27.74
	5 785	1.93	0.31	2.24	30.00	27.76
5 825	2.03	0.31	2.34	30.00	27.66	
802.11n _HT40	5 190	1.32	0.27	1.59	11.00	9.41
	5 230	0.31	0.27	0.58	11.00	10.42
	5 270	1.42	0.27	1.69	11.00	9.31
	5 310	1.06	0.27	1.33	11.00	9.67
	5 510	4.68	0.27	4.95	11.00	6.05
	5 590	5.97	0.27	6.24	11.00	4.76
	5 710	5.48	0.27	5.75	11.00	5.25
	5 755	2.50	0.27	2.77	30.00	27.23
5 795	2.45	0.27	2.72	30.00	27.28	
802.11ac _VHT40	5 190	1.03	0.49	1.52	11.00	9.48
	5 230	0.01	0.49	0.50	11.00	10.50
	5 270	1.12	0.49	1.61	11.00	9.39
	5 310	0.77	0.49	1.26	11.00	9.74
	5 510	4.48	0.49	4.97	11.00	6.03
	5 590	5.44	0.49	5.93	11.00	5.07
	5 710	5.42	0.49	5.91	11.00	5.09
	5 755	2.41	0.49	2.90	30.00	27.10
5 795	2.07	0.49	2.56	30.00	27.44	
802.11ax _HE40 _SU	5 190	1.03	0.53	1.56	11.00	9.44
	5 230	-0.09	0.53	0.44	11.00	10.56
	5 270	0.90	0.53	1.43	11.00	9.57
	5 310	0.53	0.53	1.06	11.00	9.94
	5 510	4.24	0.53	4.77	11.00	6.23
	5 590	5.61	0.53	6.14	11.00	4.86
	5 710	5.20	0.53	5.73	11.00	5.27



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	5 755	2.30	0.53	2.83	30.00	27.17
	5 795	2.13	0.53	2.66	30.00	27.34
802.11ac _VHT80	5 210	-2.78	0.89	-1.89	11.00	12.89
	5 290	-2.44	0.89	-1.55	11.00	12.55
	5 530	-2.43	0.89	-1.54	11.00	12.54
	5 690	-1.73	0.89	-0.84	11.00	11.84
	5 775	-3.84	0.89	-2.95	30.00	32.95
802.11ax _HE80 _SU	5 210	-2.38	0.85	-1.53	11.00	12.53
	5 290	-1.69	0.85	-0.84	11.00	11.84
	5 530	-2.08	0.85	-1.23	11.00	12.23
	5 690	-1.32	0.85	-0.47	11.00	11.47
	5 775	-3.54	0.85	-2.69	30.00	32.69
Measurement uncertainty		1.5 dB				



Test Mode	Frequency (MHz)	RU Index	Measured Power Density (dBm)	Duty cycle Factor (dB)	Result Power Density (dBm)	Limit (dBm)	Margin (dB)
802.11ax _HE20 _26T	5 180	Low	3.75	0.24	3.99	11.00	7.01
		Mid	3.13	0.24	3.37	11.00	7.63
		High	3.91	0.24	4.15	11.00	6.85
	5 200	Low	3.66	0.24	3.90	11.00	7.10
		Mid	3.11	0.24	3.35	11.00	7.65
		High	4.42	0.24	4.66	11.00	6.34
	5 240	Low	2.60	0.24	2.84	11.00	8.16
		Mid	2.21	0.24	2.45	11.00	8.55
		High	3.16	0.24	3.40	11.00	7.60
	5 260	Low	7.56	0.24	7.80	11.00	3.20
		Mid	6.80	0.24	7.04	11.00	3.96
		High	7.92	0.24	8.16	11.00	2.84
	5 300	Low	7.62	0.24	7.86	11.00	3.14
		Mid	6.79	0.24	7.03	11.00	3.97
		High	7.96	0.24	8.20	11.00	2.80
	5 320	Low	7.95	0.24	8.19	11.00	2.81
		Mid	6.89	0.24	7.13	11.00	3.87
		High	8.34	0.24	8.58	11.00	2.42
	5 500	Low	8.31	0.24	8.55	11.00	2.45
		Mid	7.58	0.24	7.82	11.00	3.18
		High	8.80	0.24	9.04	11.00	1.96
	5 600	Low	7.14	0.24	7.38	11.00	3.62
		Mid	6.44	0.24	6.68	11.00	4.32
		High	7.45	0.24	7.69	11.00	3.31
	5 720	Low	6.75	0.24	6.99	11.00	4.01
		Mid	5.80	0.24	6.04	11.00	4.96
		High	6.79	0.24	7.03	11.00	3.97
	5 745	Low	5.01	0.24	5.25	30.00	24.75
		Mid	4.49	0.24	4.73	30.00	25.27
		High	4.89	0.24	5.13	30.00	24.87
5 785	Low	4.92	0.24	5.16	30.00	24.84	
	Mid	4.93	0.24	5.17	30.00	24.83	
	High	5.07	0.24	5.31	30.00	24.69	
5 825	Low	6.74	0.24	6.98	30.00	23.02	
	Mid	6.36	0.24	6.60	30.00	23.40	
	High	6.45	0.24	6.69	30.00	23.31	
Measurement uncertainty		1.5 dB					



Test Mode	Frequency (MHz)	RU Index	Measured Power Density (dBm)	Duty cycle Factor (dB)	Result Power Density (dBm)	Limit (dBm)	Margin (dB)
802.11ax _HE40 _26T	5 190	Low	2.56	0.24	2.80	11.00	8.20
		Mid	2.99	0.24	3.23	11.00	7.77
		High	3.24	0.24	3.48	11.00	7.52
	5 230	Low	3.18	0.24	3.42	11.00	7.58
		Mid	3.54	0.24	3.78	11.00	7.22
		High	3.37	0.24	3.61	11.00	7.39
	5 270	Low	7.35	0.24	7.59	11.00	3.41
		Mid	7.60	0.24	7.84	11.00	3.16
		High	7.88	0.24	8.12	11.00	2.88
	5 310	Low	7.71	0.24	7.95	11.00	3.05
		Mid	7.84	0.24	8.08	11.00	2.92
		High	8.21	0.24	8.45	11.00	2.55
	5 510	Low	7.61	0.24	7.85	11.00	3.15
		Mid	7.88	0.24	8.12	11.00	2.88
		High	7.85	0.24	8.09	11.00	2.91
	5 590	Low	6.83	0.24	7.07	11.00	3.93
		Mid	7.57	0.24	7.81	11.00	3.19
		High	7.42	0.24	7.66	11.00	3.34
	5 710	Low	7.38	0.24	7.62	11.00	3.38
		Mid	7.57	0.24	7.81	11.00	3.19
		High	7.28	0.24	7.52	11.00	3.48
	5 755	Low	5.22	0.24	5.46	30.00	24.54
		Mid	5.34	0.24	5.58	30.00	24.42
		High	5.18	0.24	5.42	30.00	24.58
5 795	Low	5.48	0.24	5.72	30.00	24.28	
	Mid	5.55	0.24	5.79	30.00	24.21	
	High	5.61	0.24	5.85	30.00	24.15	
Measurement uncertainty		1.5 dB					



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Test Mode	Frequency (MHz)	RU Index	Measured Power Density (dBm)	Duty cycle Factor (dB)	Result Power Density (dBm)	Limit (dBm)	Margin (dB)
802.11ax _HE80 _26T	5 210	Low	2.72	0.24	2.96	11.00	8.04
		Mid	1.80	0.24	2.04	11.00	8.96
		High	3.40	0.24	3.64	11.00	7.36
	5 290	Low	7.24	0.24	7.48	11.00	3.52
		Mid	6.57	0.24	6.81	11.00	4.19
		High	7.58	0.24	7.82	11.00	3.18
	5 530	Low	7.79	0.24	8.03	11.00	2.97
		Mid	6.67	0.24	6.91	11.00	4.09
		High	7.59	0.24	7.83	11.00	3.17
	5 690	Low	7.28	0.24	7.52	11.00	3.48
		Mid	6.32	0.24	6.56	11.00	4.44
		High	6.90	0.24	7.14	11.00	3.86
	5 775	Low	5.37	0.24	5.61	30.00	24.39
		Mid	4.93	0.24	5.17	30.00	24.83
		High	4.99	0.24	5.23	30.00	24.77
Measurement uncertainty		1.5 dB					



ANT1 + ANT2

Test Mode	Frequency (MHz)	Measured Power Density (dBm)	Duty cycle Factor (dB)	Result Power Density (dBm)	Limit (dBm)	Margin (dB)
802.11a	5 180	3.95	0.13	4.08	11.00	6.92
	5 200	3.91	0.13	4.04	11.00	6.96
	5 240	4.02	0.13	4.15	11.00	6.85
	5 260	6.77	0.13	6.90	11.00	4.10
	5 300	5.71	0.13	5.84	11.00	5.16
	5 320	5.99	0.13	6.12	11.00	4.88
	5 500	6.31	0.13	6.44	11.00	4.56
	5 600	8.04	0.13	8.17	11.00	2.83
	5 720	7.98	0.13	8.11	11.00	2.89
	5 745	5.30	0.13	5.43	30.00	24.57
	5 785	5.11	0.13	5.24	30.00	24.76
	5 825	4.27	0.13	4.40	30.00	25.60
802.11n _HT20	5 180	4.08	0.14	4.22	11.00	6.78
	5 200	4.13	0.14	4.27	11.00	6.73
	5 240	4.19	0.14	4.33	11.00	6.67
	5 260	6.42	0.14	6.56	11.00	4.44
	5 300	6.00	0.14	6.14	11.00	4.86
	5 320	5.99	0.14	6.13	11.00	4.87
	5 500	6.39	0.14	6.53	11.00	4.47
	5 600	7.86	0.14	8.00	11.00	3.00
	5 720	7.84	0.14	7.98	11.00	3.02
	5 745	4.83	0.14	4.97	30.00	25.03
	5 785	4.98	0.14	5.12	30.00	24.88
	5 825	3.87	0.14	4.01	30.00	25.99
802.11ac _VHT20	5 180	3.58	0.26	3.84	11.00	7.16
	5 200	3.70	0.26	3.96	11.00	7.04
	5 240	3.39	0.26	3.65	11.00	7.35
	5 260	6.15	0.26	6.41	11.00	4.59
	5 300	5.35	0.26	5.61	11.00	5.39
	5 320	5.51	0.26	5.77	11.00	5.23
	5 500	6.11	0.26	6.37	11.00	4.63
	5 600	7.70	0.26	7.96	11.00	3.04
	5 720	7.68	0.26	7.94	11.00	3.06
	5 745	4.89	0.26	5.15	30.00	24.85



	5 785	4.52	0.26	4.78	30.00	25.22
	5 825	3.67	0.26	3.93	30.00	26.07
802.11ax _HE20 _SU	5 180	3.35	0.31	3.66	11.00	7.34
	5 200	3.44	0.31	3.75	11.00	7.25
	5 240	3.18	0.31	3.49	11.00	7.51
	5 260	6.18	0.31	6.49	11.00	4.51
	5 300	5.11	0.31	5.42	11.00	5.58
	5 320	5.28	0.31	5.59	11.00	5.41
	5 500	5.77	0.31	6.08	11.00	4.92
	5 600	7.64	0.31	7.95	11.00	3.05
	5 720	7.46	0.31	7.77	11.00	3.23
	5 745	4.50	0.31	4.81	30.00	25.19
	5 785	4.20	0.31	4.51	30.00	25.49
5 825	3.39	0.31	3.70	30.00	26.30	
802.11n _HT40	5 190	3.05	0.27	3.32	11.00	7.68
	5 230	2.40	0.27	2.67	11.00	8.33
	5 270	3.44	0.27	3.71	11.00	7.29
	5 310	2.63	0.27	2.90	11.00	8.10
	5 510	6.54	0.27	6.81	11.00	4.19
	5 590	8.10	0.27	8.37	11.00	2.63
	5 710	7.75	0.27	8.02	11.00	2.98
	5 755	4.87	0.27	5.14	30.00	24.86
5 795	4.64	0.27	4.91	30.00	25.09	
802.11ac _VHT40	5 190	2.74	0.49	3.23	11.00	7.77
	5 230	2.00	0.49	2.49	11.00	8.51
	5 270	3.13	0.49	3.62	11.00	7.38
	5 310	2.32	0.49	2.81	11.00	8.19
	5 510	6.33	0.49	6.82	11.00	4.18
	5 590	7.62	0.49	8.11	11.00	2.89
	5 710	7.54	0.49	8.03	11.00	2.97
	5 755	4.79	0.49	5.28	30.00	24.72
5 795	4.34	0.49	4.83	30.00	25.17	
802.11ax _HE40 _SU	5 190	2.81	0.53	3.34	11.00	7.66
	5 230	1.89	0.53	2.42	11.00	8.58
	5 270	2.96	0.53	3.49	11.00	7.51
	5 310	2.10	0.53	2.63	11.00	8.37
	5 510	6.08	0.53	6.61	11.00	4.39
	5 590	7.72	0.53	8.25	11.00	2.75
	5 710	7.39	0.53	7.92	11.00	3.08



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	5 755	4.57	0.53	5.10	30.00	24.90
	5 795	4.31	0.53	4.84	30.00	25.16
802.11ac _VHT80	5 210	-0.75	0.89	0.14	11.00	10.86
	5 290	-0.33	0.89	0.56	11.00	10.44
	5 530	-0.78	0.89	0.11	11.00	10.89
	5 690	0.57	0.89	1.46	11.00	9.54
	5 775	-1.92	0.89	-1.03	30.00	31.03
802.11ax _HE80 _SU	5 210	-0.64	0.85	0.21	11.00	10.79
	5 290	0.01	0.85	0.86	11.00	10.14
	5 530	-0.48	0.85	0.37	11.00	10.63
	5 690	0.95	0.85	1.80	11.00	9.20
	5 775	-1.45	0.85	-0.60	30.00	30.60
Measurement uncertainty		1.5 dB				



Test Mode	Frequency (MHz)	RU Index	Measured Power Density (dBm)	Duty cycle Factor (dB)	Result Power Density (dBm)	Limit (dBm)	Margin (dB)
802.11ax _HE20 _26T	5 180	Low	5.88	0.24	6.12	11.00	4.88
		Mid	5.34	0.24	5.58	11.00	5.42
		High	6.19	0.24	6.43	11.00	4.57
	5 200	Low	5.96	0.24	6.20	11.00	4.80
		Mid	5.14	0.24	5.38	11.00	5.62
		High	6.46	0.24	6.70	11.00	4.30
	5 240	Low	4.69	0.24	4.93	11.00	6.07
		Mid	4.30	0.24	4.54	11.00	6.46
		High	5.32	0.24	5.56	11.00	5.44
	5 260	Low	9.78	0.24	10.02	11.00	0.98
		Mid	8.77	0.24	9.01	11.00	1.99
		High	9.94	0.24	10.18	11.00	0.82
	5 300	Low	9.30	0.24	9.54	11.00	1.46
		Mid	8.48	0.24	8.72	11.00	2.28
		High	9.69	0.24	9.93	11.00	1.07
	5 320	Low	9.65	0.24	9.89	11.00	1.11
		Mid	8.52	0.24	8.76	11.00	2.24
		High	9.87	0.24	10.11	11.00	0.89
	5 500	Low	9.88	0.24	10.12	11.00	0.88
		Mid	9.09	0.24	9.33	11.00	1.67
		High	10.33	0.24	10.57	11.00	0.43
	5 600	Low	9.51	0.24	9.75	11.00	1.25
		Mid	8.75	0.24	8.99	11.00	2.01
		High	9.76	0.24	10.00	11.00	1.00
	5 720	Low	9.78	0.24	10.02	11.00	0.98
		Mid	8.79	0.24	9.03	11.00	1.97
		High	9.81	0.24	10.05	11.00	0.95
5 745	Low	8.17	0.24	8.41	30.00	21.59	
	Mid	7.71	0.24	7.95	30.00	22.05	
	High	7.90	0.24	8.14	30.00	21.86	
5 785	Low	7.86	0.24	8.10	30.00	21.90	
	Mid	7.99	0.24	8.23	30.00	21.77	
	High	8.09	0.24	8.33	30.00	21.67	
5 825	Low	9.40	0.24	9.64	30.00	20.36	
	Mid	9.01	0.24	9.25	30.00	20.75	
	High	9.19	0.24	9.43	30.00	20.57	
Measurement uncertainty		1.5 dB					



Test Mode	Frequency (MHz)	RU Index	Measured Power Density (dBm)	Duty cycle Factor (dB)	Result Power Density (dBm)	Limit (dBm)	Margin (dB)
802.11ax _HE40 _26T	5 190	Low	5.07	0.24	5.31	11.00	5.69
		Mid	5.33	0.24	5.57	11.00	5.43
		High	5.42	0.24	5.66	11.00	5.34
	5 230	Low	5.44	0.24	5.68	11.00	5.32
		Mid	5.82	0.24	6.06	11.00	4.94
		High	5.83	0.24	6.07	11.00	4.93
	5 270	Low	9.78	0.24	10.02	11.00	0.98
		Mid	9.97	0.24	10.21	11.00	0.79
		High	10.14	0.24	10.38	11.00	0.62
	5 310	Low	10.12	0.24	10.36	11.00	0.64
		Mid	10.27	0.24	10.51	11.00	0.49
		High	10.32	0.24	10.56	11.00	0.44
	5 510	Low	9.49	0.24	9.73	11.00	1.27
		Mid	9.89	0.24	10.13	11.00	0.87
		High	9.70	0.24	9.94	11.00	1.06
	5 590	Low	9.15	0.24	9.39	11.00	1.61
		Mid	9.82	0.24	10.06	11.00	0.94
		High	9.65	0.24	9.89	11.00	1.11
	5 710	Low	9.81	0.24	10.05	11.00	0.95
		Mid	10.11	0.24	10.35	11.00	0.65
		High	9.81	0.24	10.05	11.00	0.95
	5 755	Low	7.79	0.24	8.03	30.00	21.97
		Mid	7.92	0.24	8.16	30.00	21.84
		High	7.53	0.24	7.77	30.00	22.23
5 795	Low	7.84	0.24	8.08	30.00	21.92	
	Mid	8.01	0.24	8.25	30.00	21.75	
	High	7.96	0.24	8.20	30.00	21.80	
Measurement uncertainty		1.5 dB					

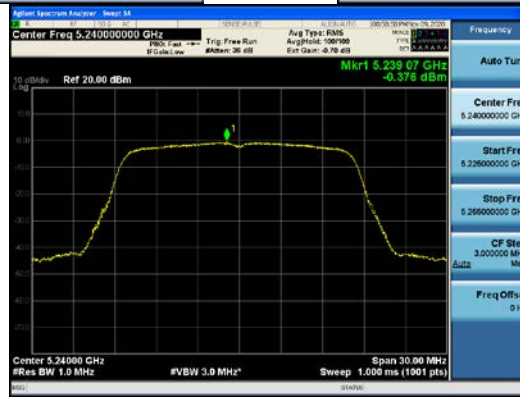
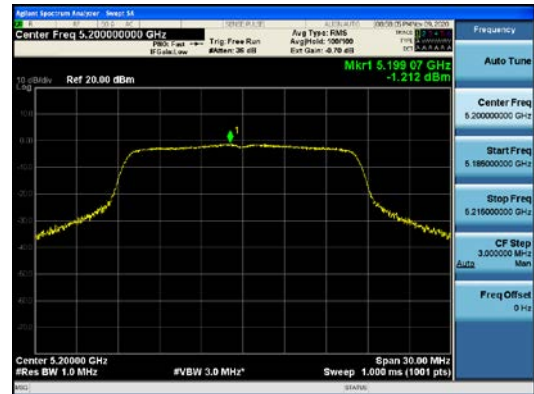
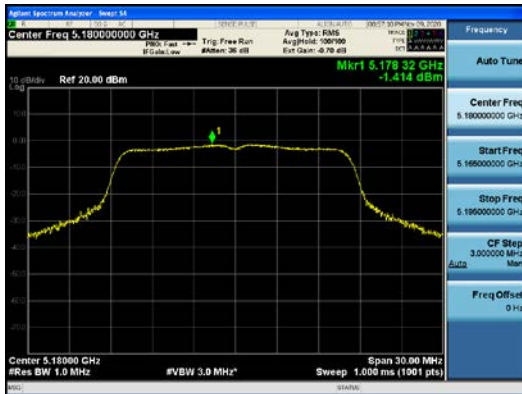


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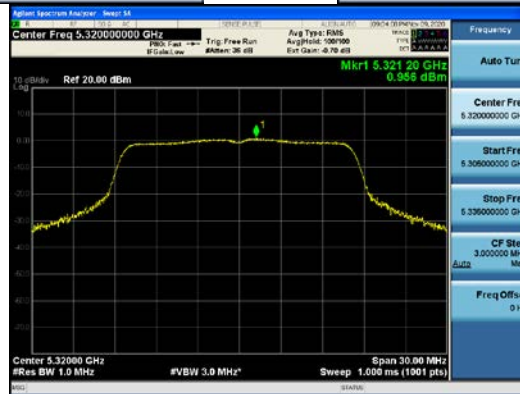
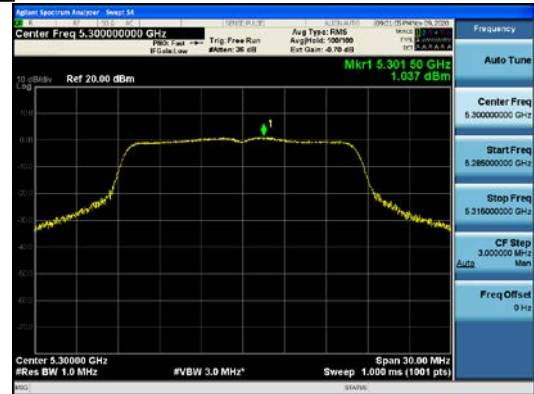
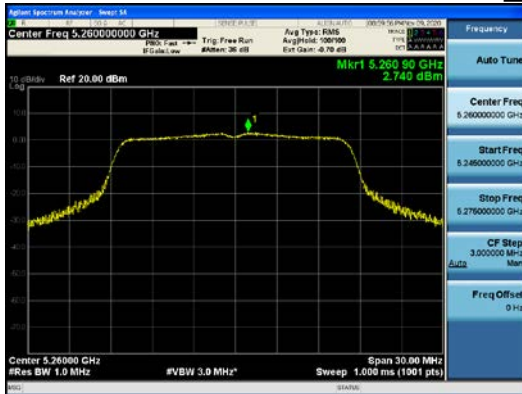
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Test Mode	Frequency (MHz)	RU Index	Measured Power Density (dBm)	Duty cycle Factor (dB)	Result Power Density (dBm)	Limit (dBm)	Margin (dB)
802.11ax _HE80 _26T	5 210	Low	5.11	0.24	5.35	11.00	5.65
		Mid	4.30	0.24	4.54	11.00	6.46
		High	5.79	0.24	6.03	11.00	4.97
	5 290	Low	9.70	0.24	9.94	11.00	1.06
		Mid	9.21	0.24	9.45	11.00	1.55
		High	10.04	0.24	10.28	11.00	0.72
	5 530	Low	9.81	0.24	10.05	11.00	0.95
		Mid	8.80	0.24	9.04	11.00	1.96
		High	9.50	0.24	9.74	11.00	1.26
	5 690	Low	9.85	0.24	10.09	11.00	0.91
		Mid	8.84	0.24	9.08	11.00	1.92
		High	9.70	0.24	9.94	11.00	1.06
	5 775	Low	7.99	0.24	8.23	30.00	21.77
		Mid	7.66	0.24	7.90	30.00	22.10
		High	7.74	0.24	7.98	30.00	22.02
Measurement uncertainty		1.5 dB					

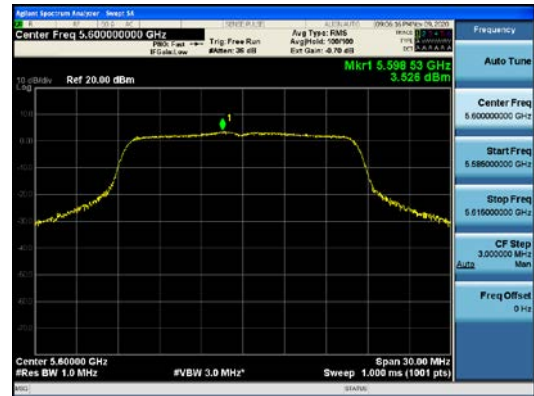
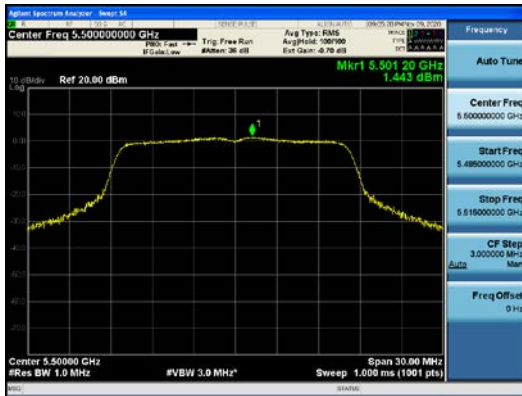
See next pages for actual measured spectrum plots.



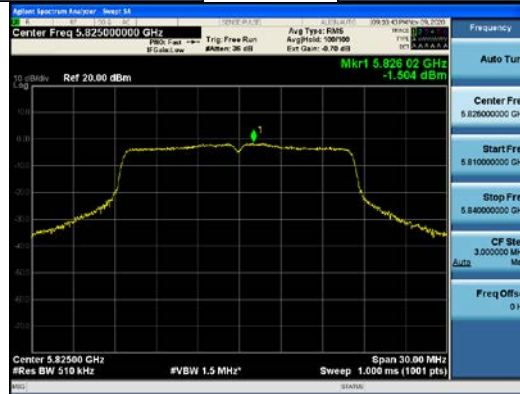
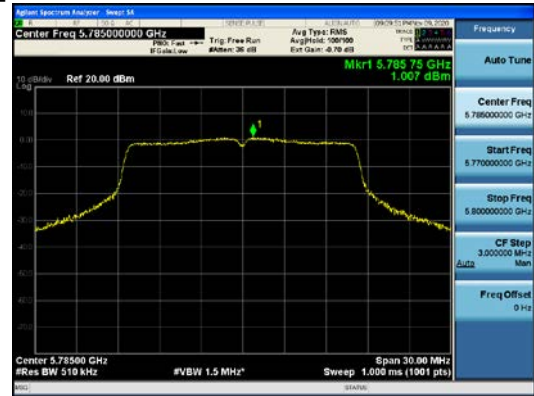
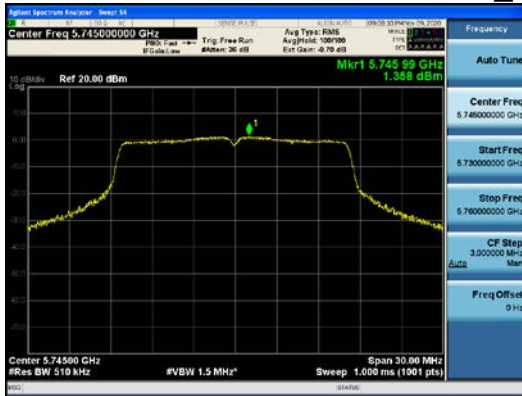
ANT1_802.11a_UNII 1



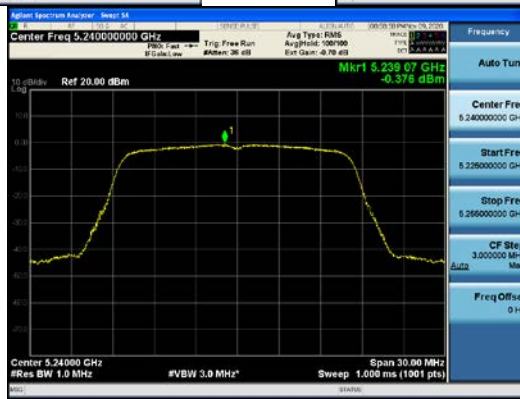
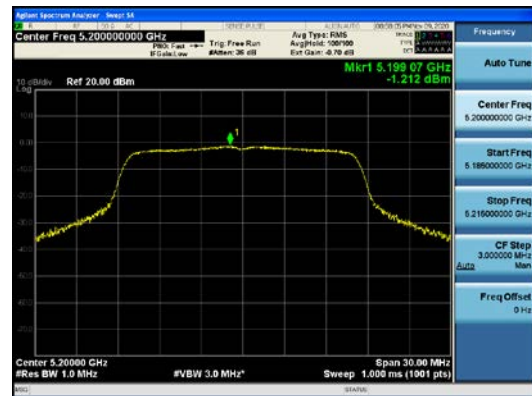
ANT1_802.11a_UNII 2A



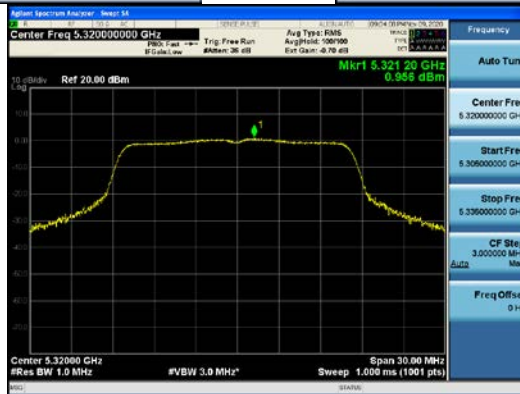
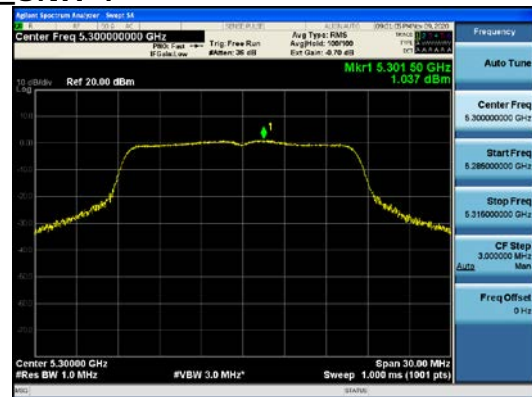
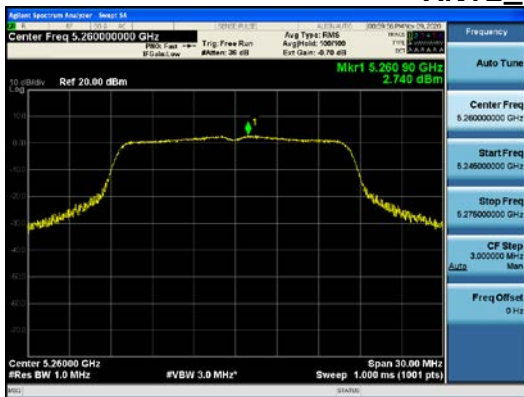
ANT1_802.11a_UNII 2C



ANT1_802.11a_UNII 3



ANT2_802.11a_UNII 1

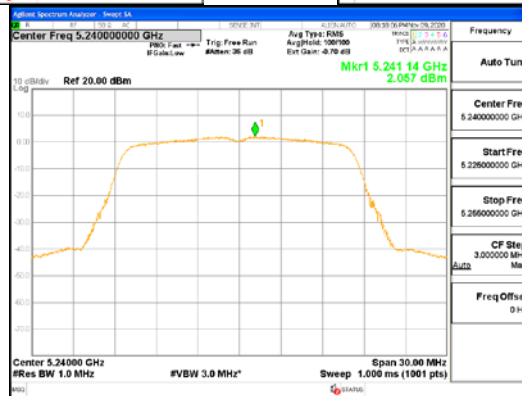
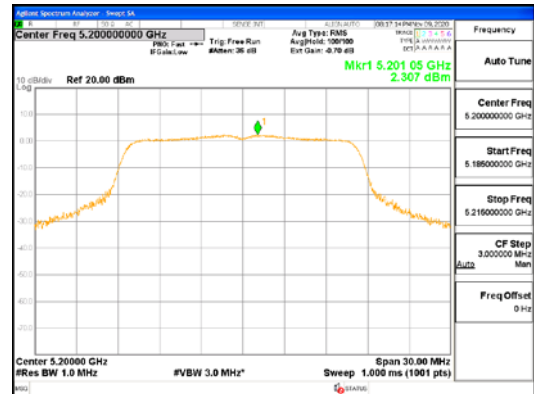
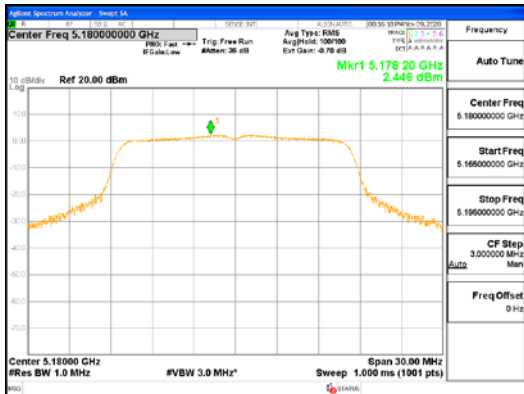


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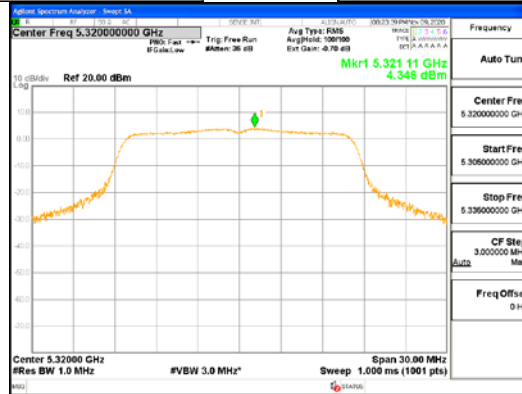
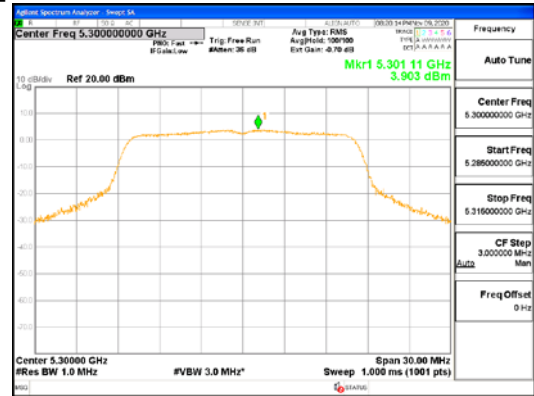
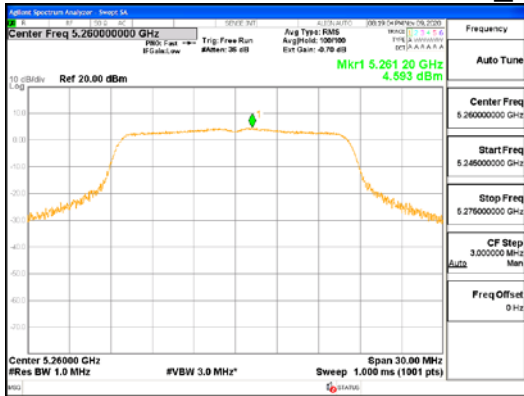


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ANT2_802.11a_UNII 2C

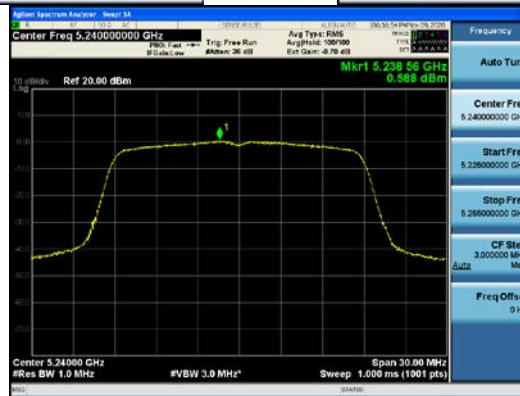
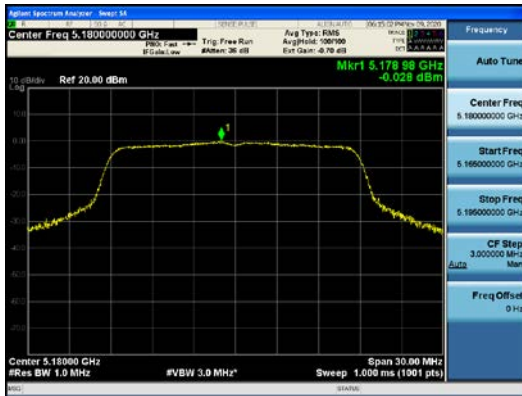


ANT2_802.11a_UNII 3

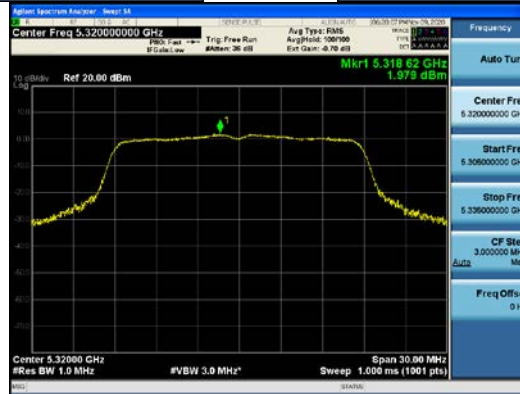
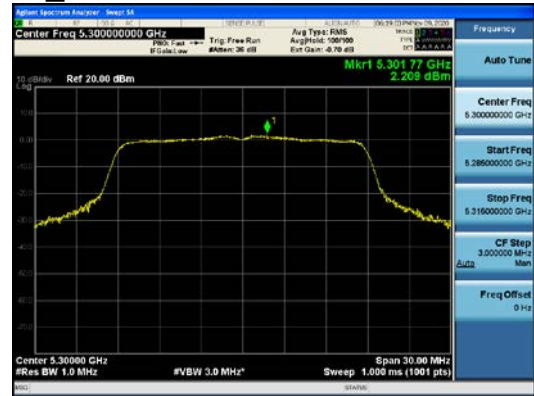


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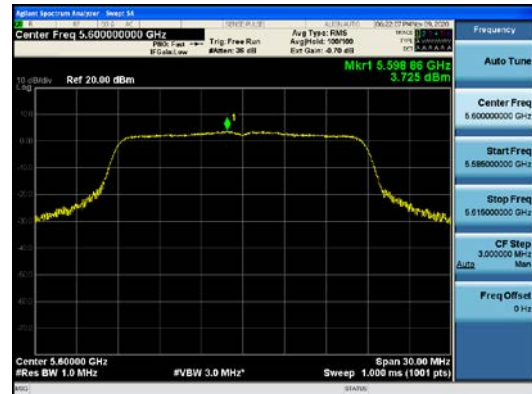
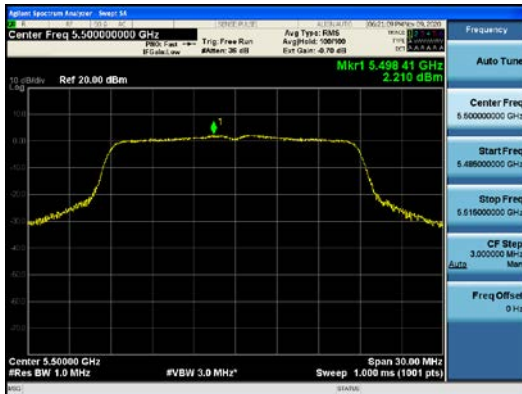
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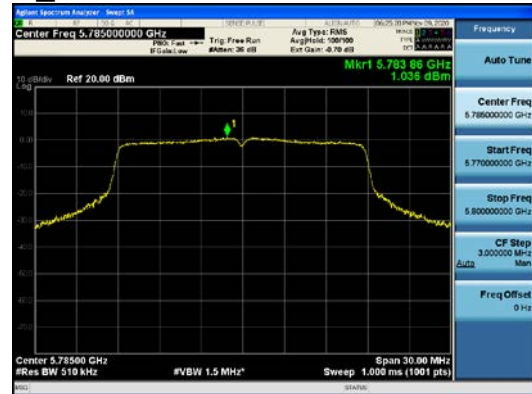
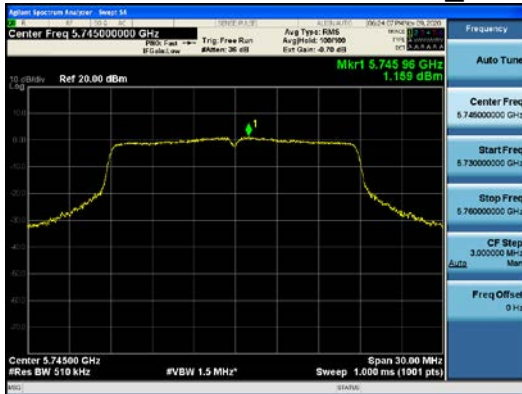
ANT1_802.11n_HT20_UNII 1



ANT1_802.11n_HT20_UNII 2A



ANT1_802.11n_HT20_UNII 2C

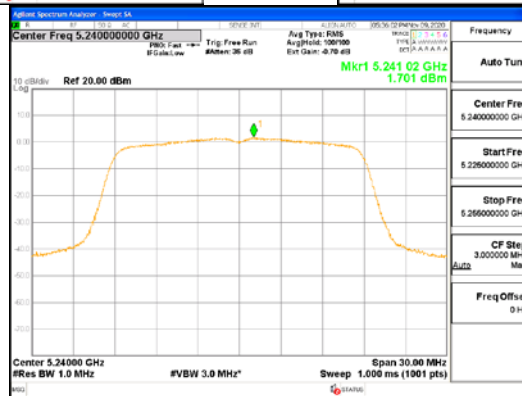
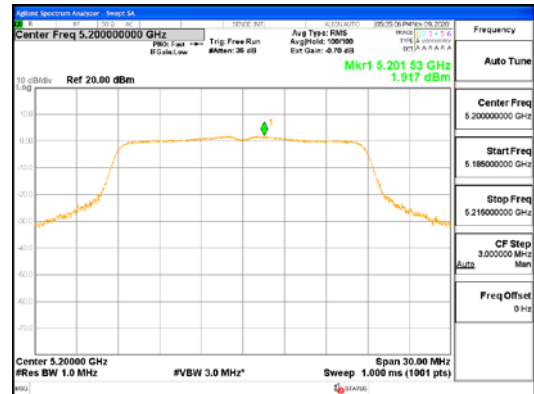
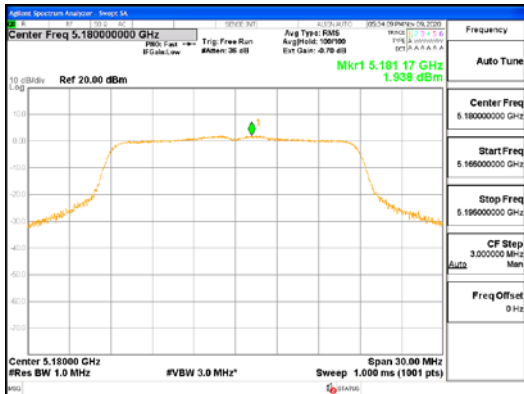


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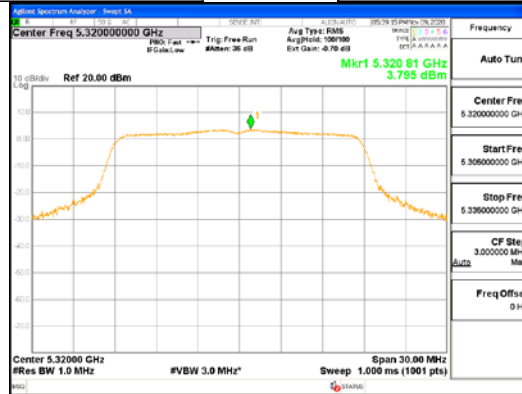
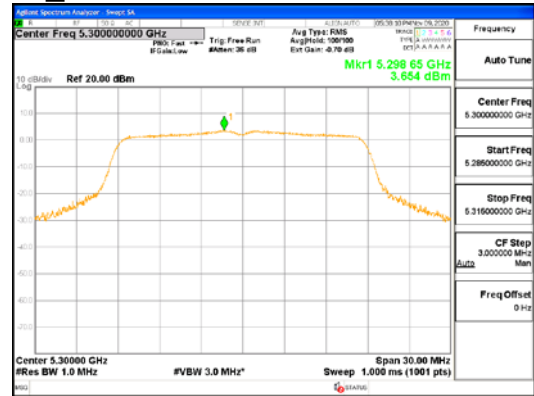
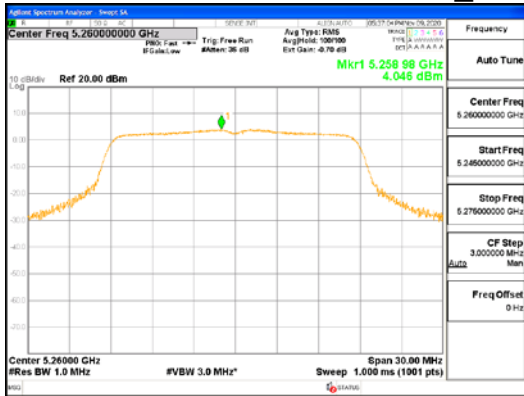


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ANT2_802.11n_HT20_UNII 1

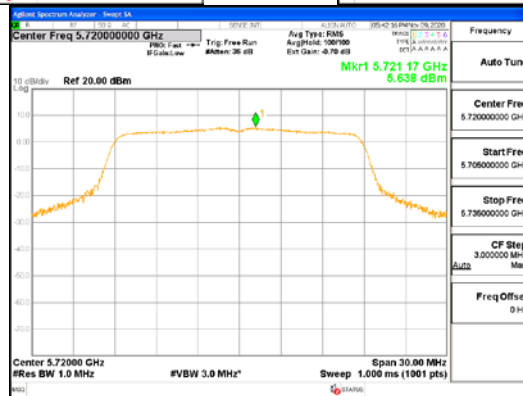
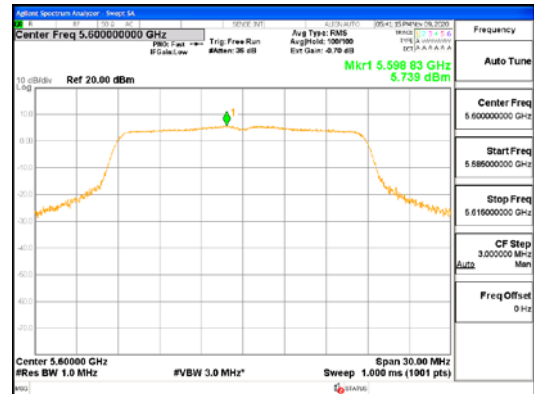
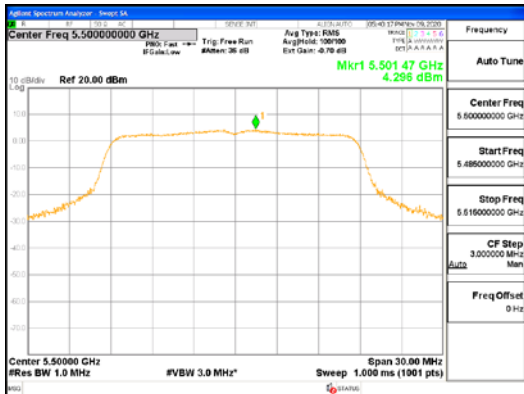


ANT2_802.11n_HT20_UNII 2A

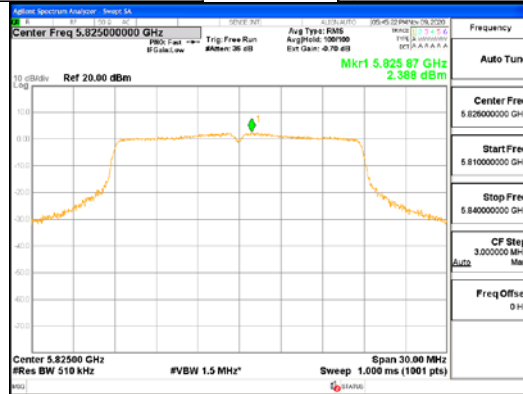
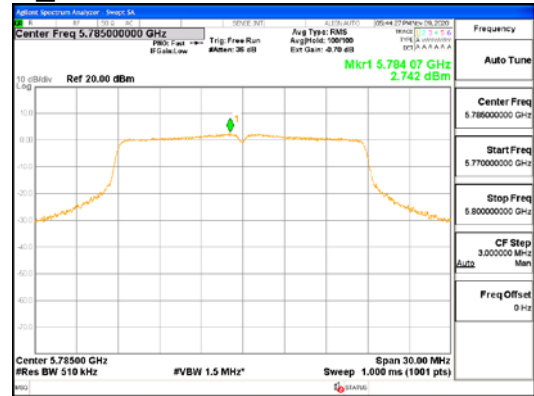
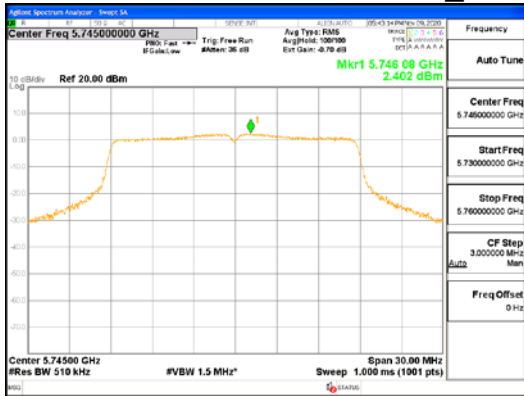


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ANT2_802.11n_HT20_UNII 2C

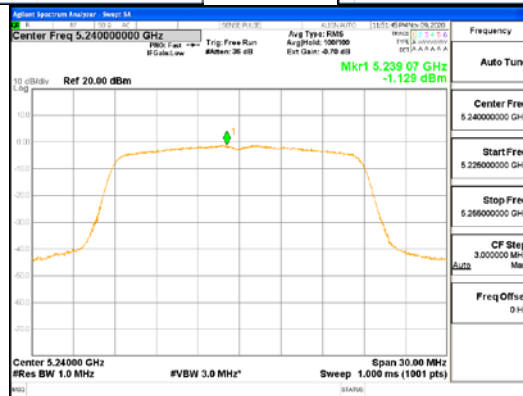
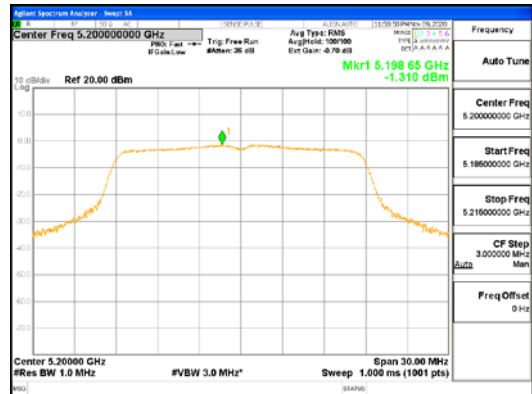
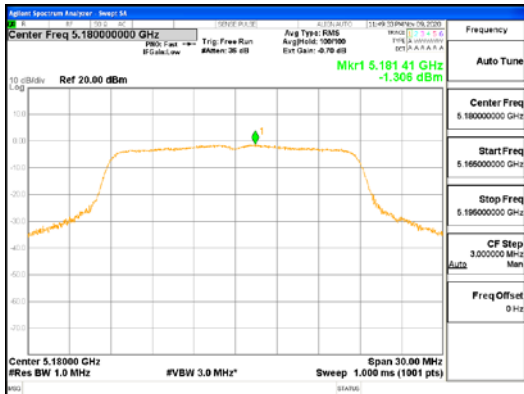


ANT2_802.11n_HT20_UNII 3

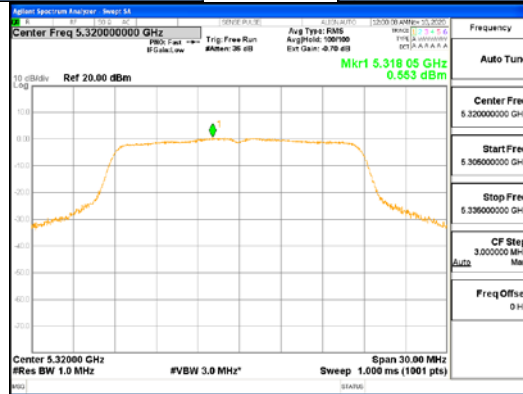
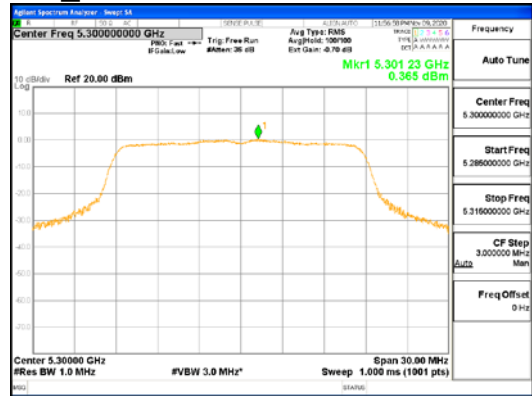
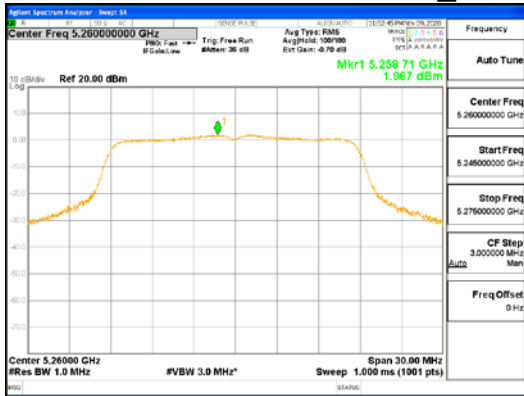


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ANT1_802.11ac_VHT20_UNII 1

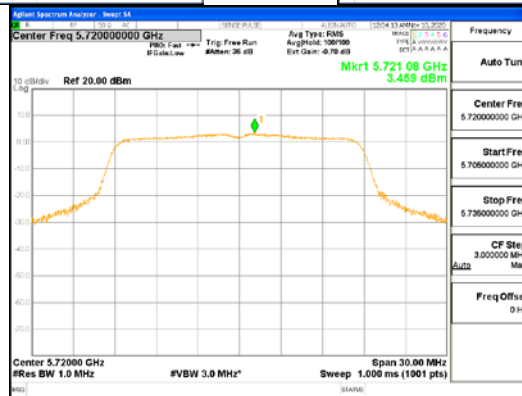
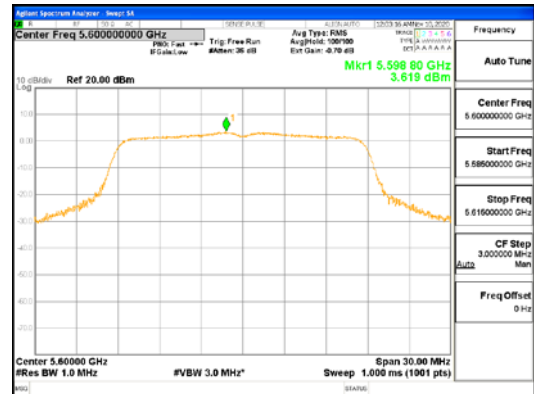
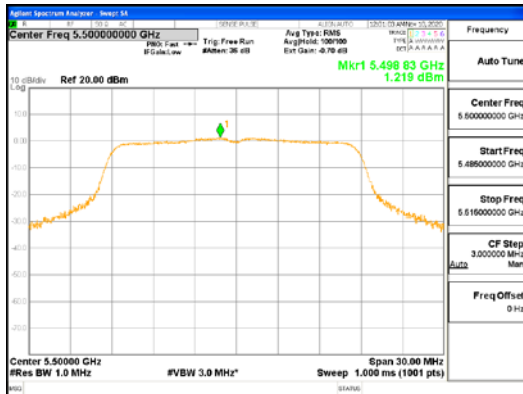


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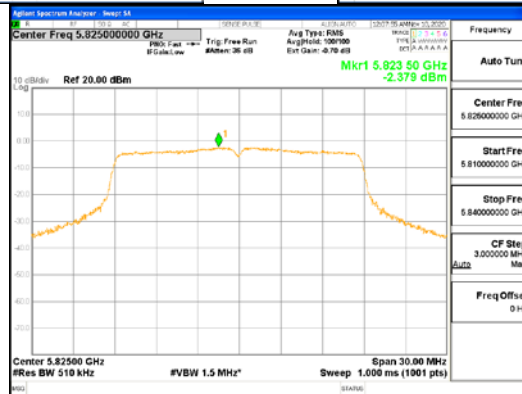
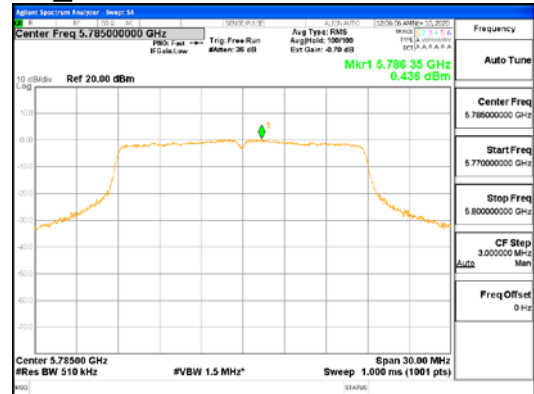
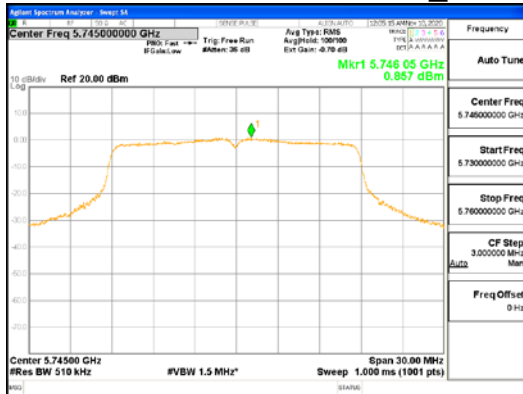


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ANT1_802.11ac_VHT20_UNII 2C

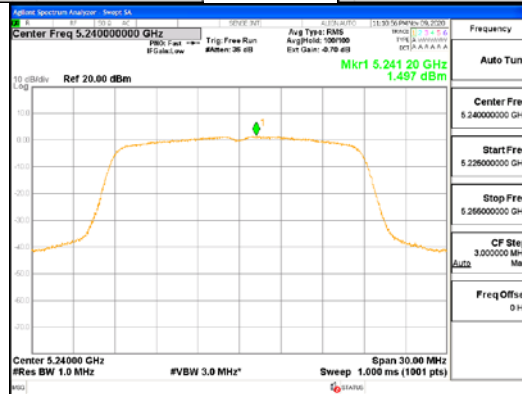
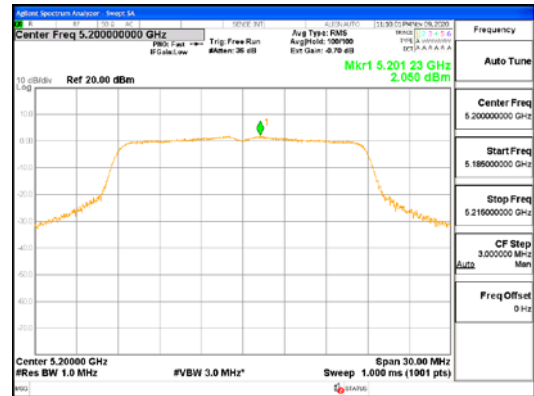
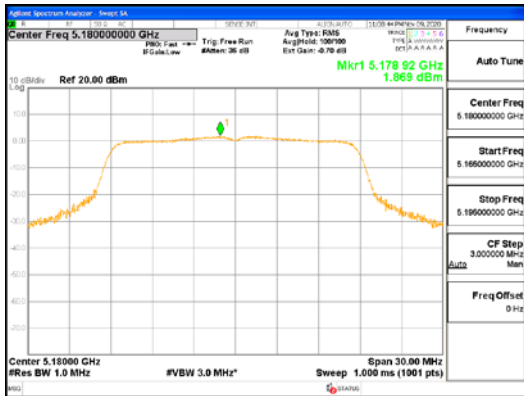


ANT1_802.11ac_VHT20_UNII 3

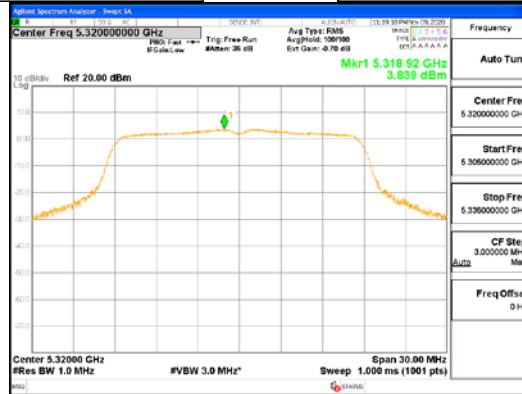
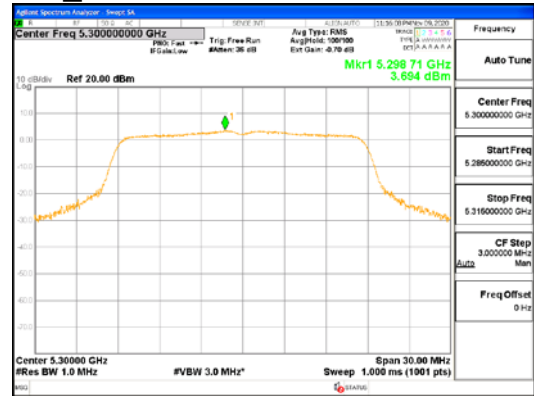
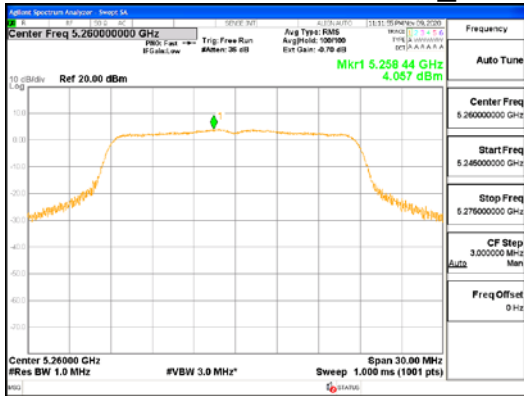


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ANT2_802.11ac_VHT20_UNII 1

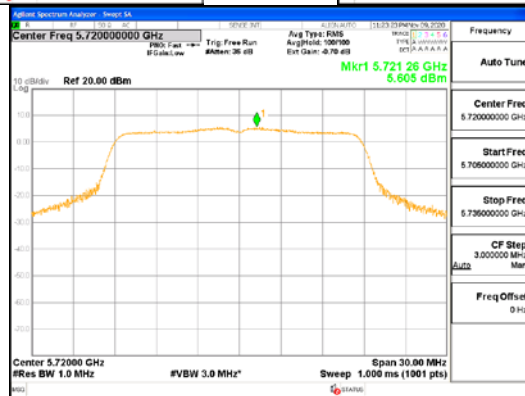
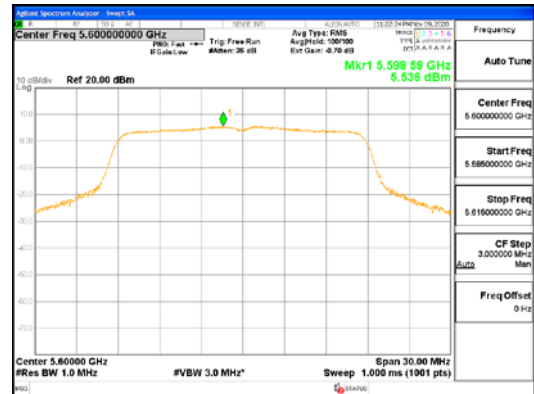
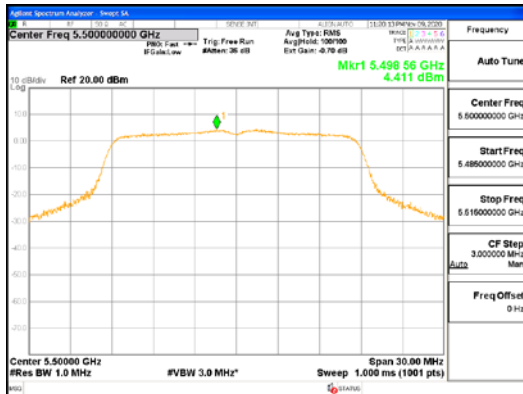


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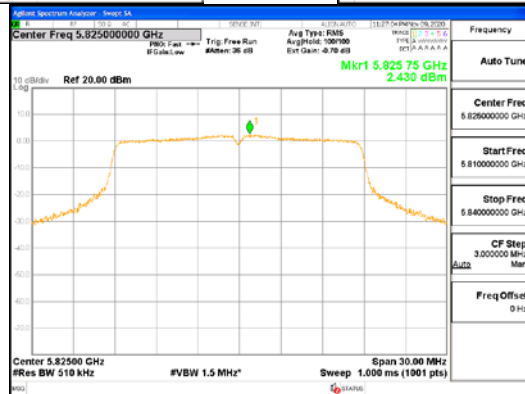
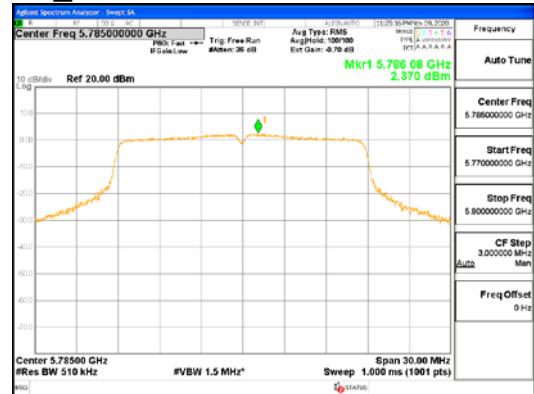
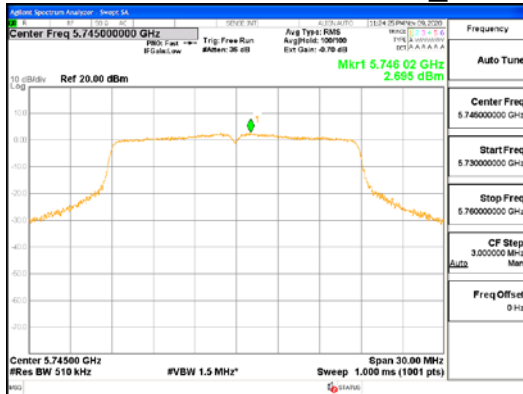


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ANT2_802.11ac_VHT20_UNI1 2C

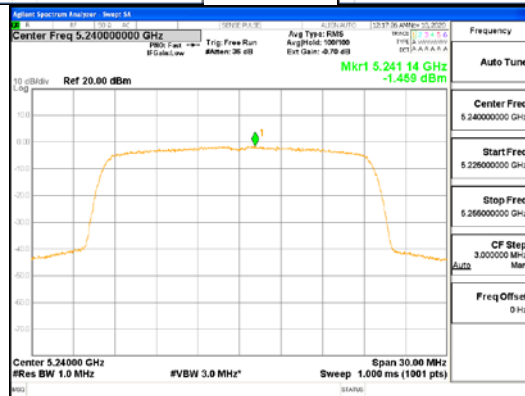
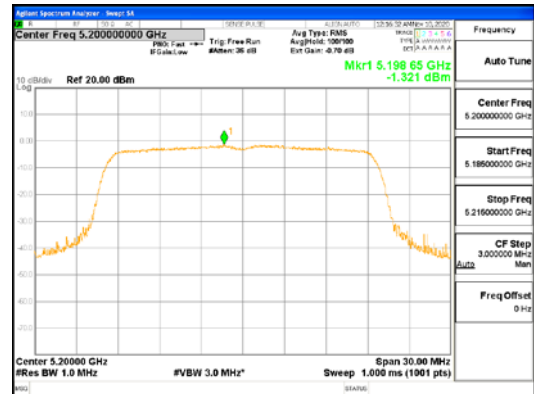
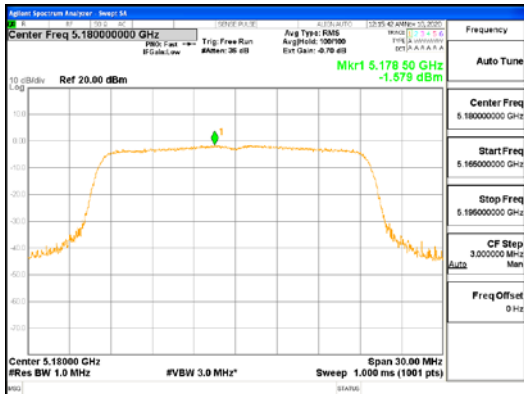


ANT2_802.11ac_VHT20_UNI1 3

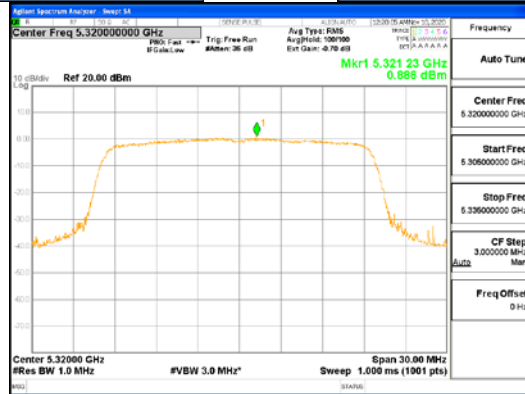
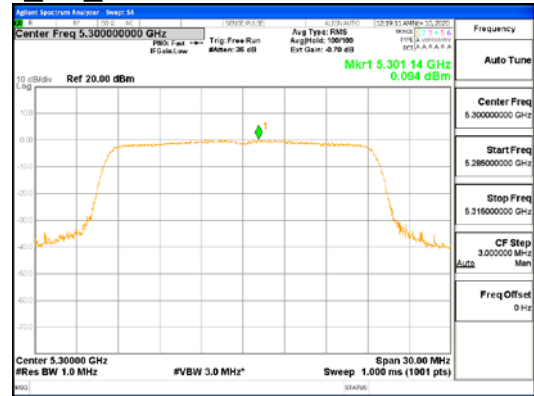
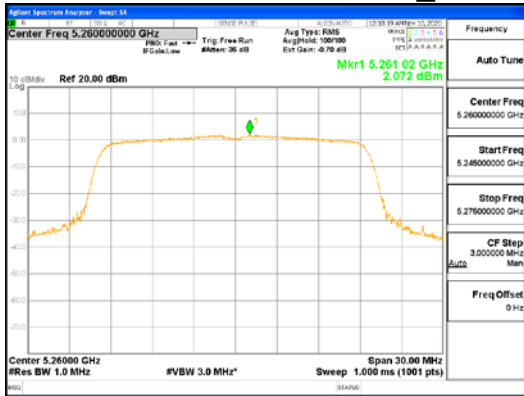


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ANT1_802.11ax_HE20_SU_UNI I 1

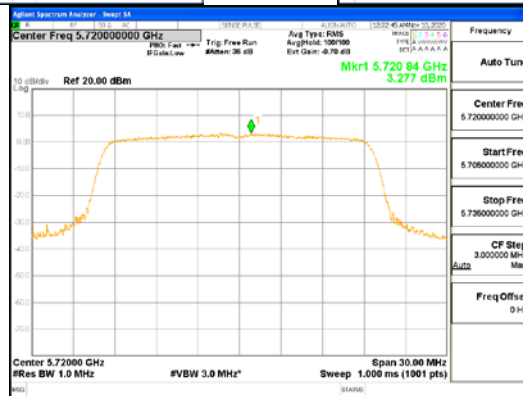
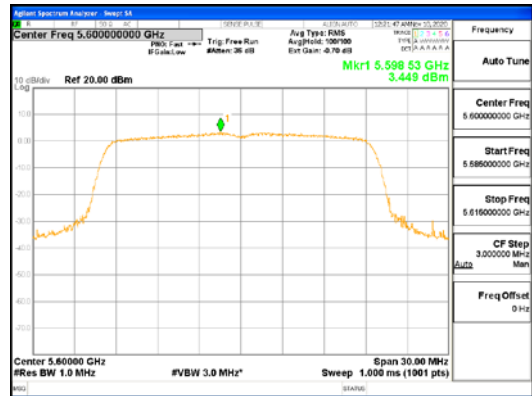
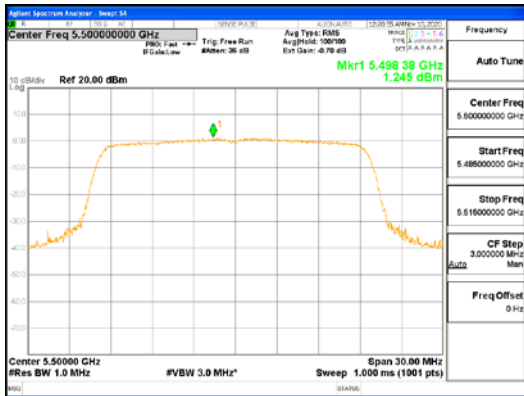


ANT1_802.11ax_HE20_SU_UNI I 2A

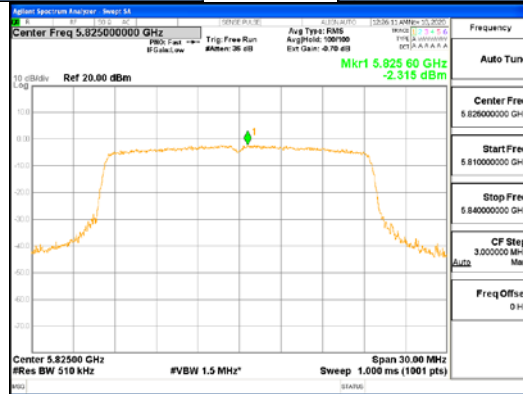
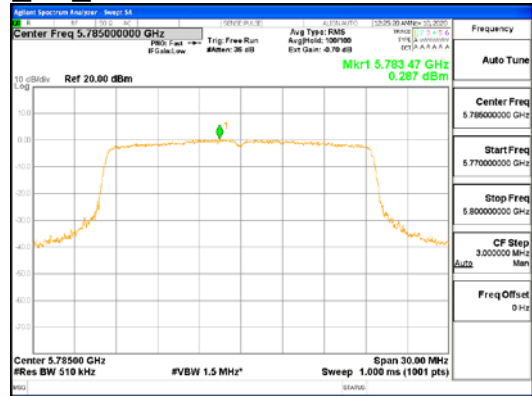
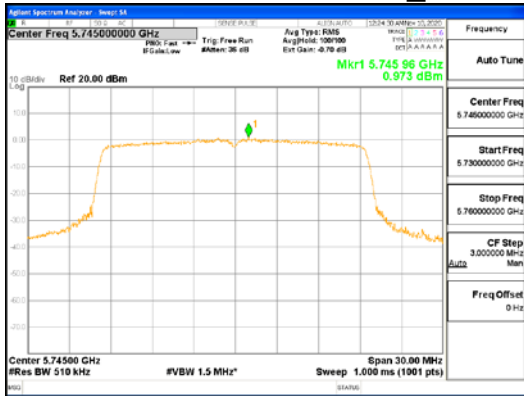


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ANT1_802.11ax_HE20_SU_UNI1 2C

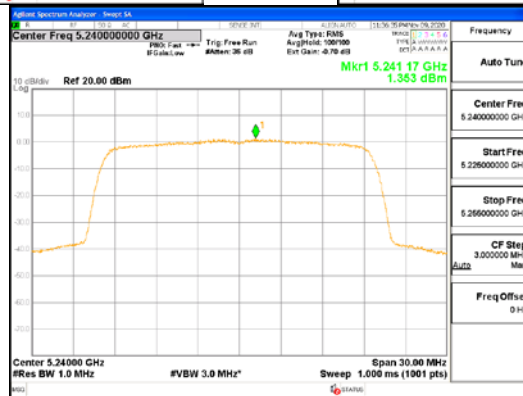
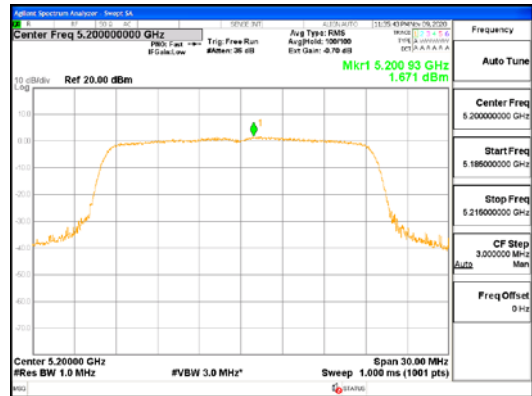
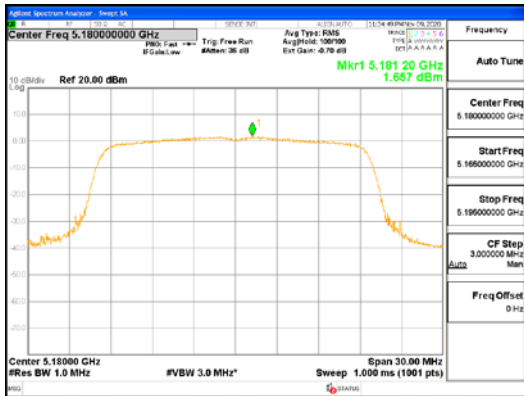


ANT1_802.11ax_HE20_SU_UNI1 3

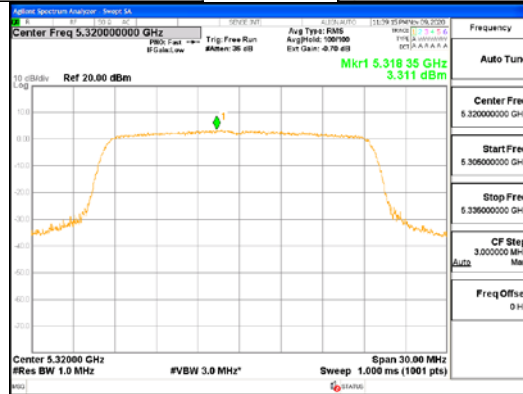
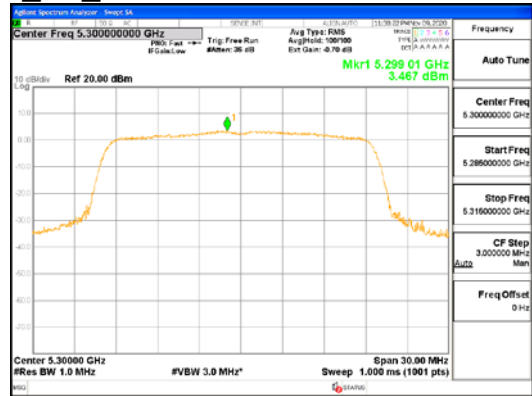
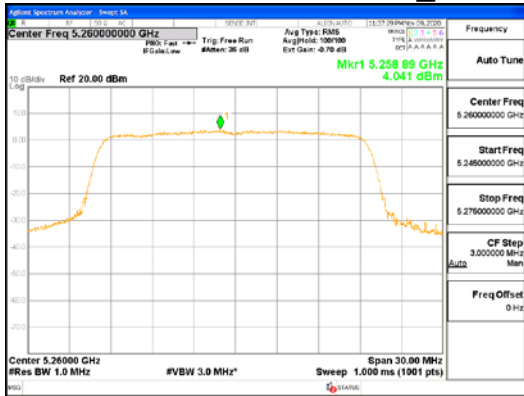


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ANT2_802.11ax_HE20_SU_UNI 1

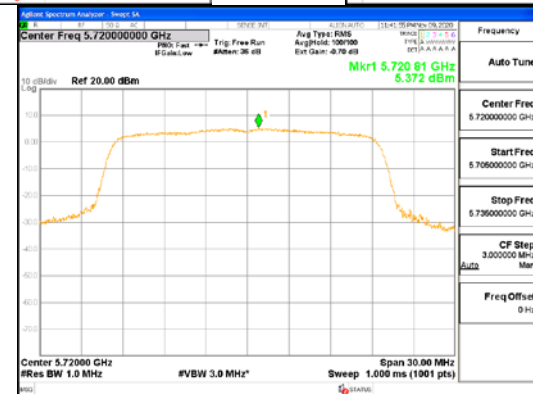
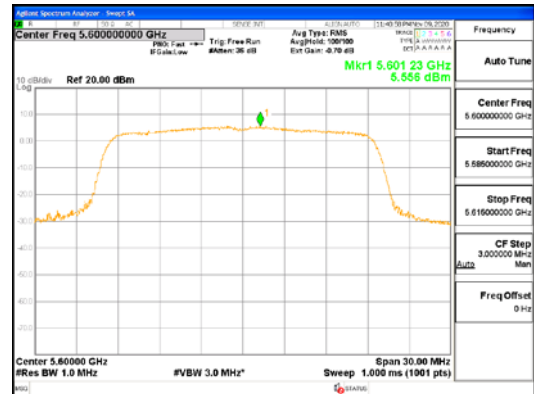
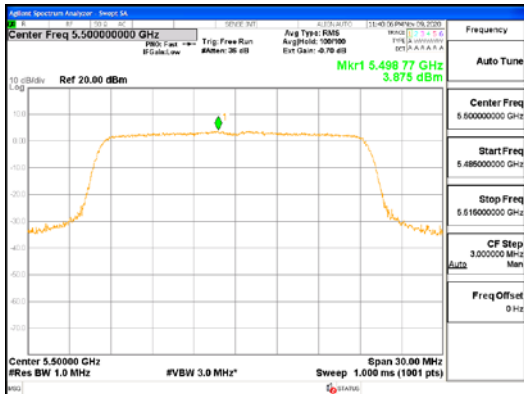


ANT2_802.11ax_HE20_SU_UNI 2A

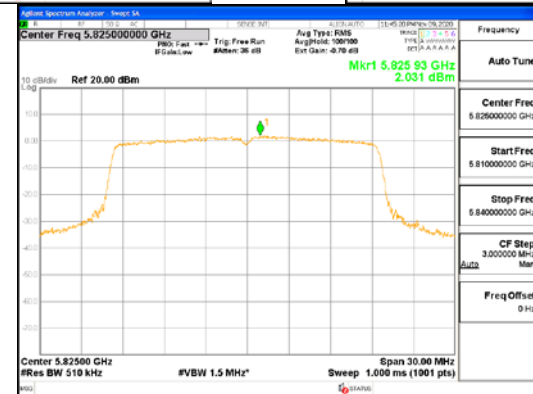
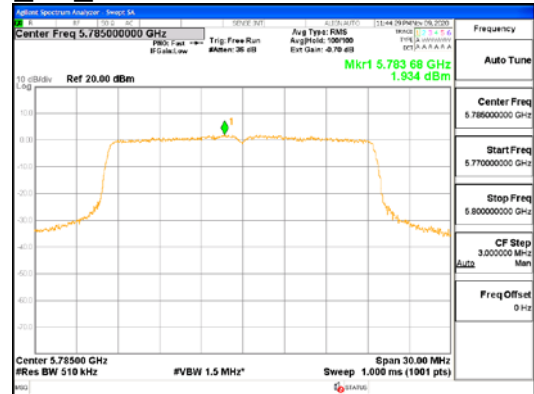
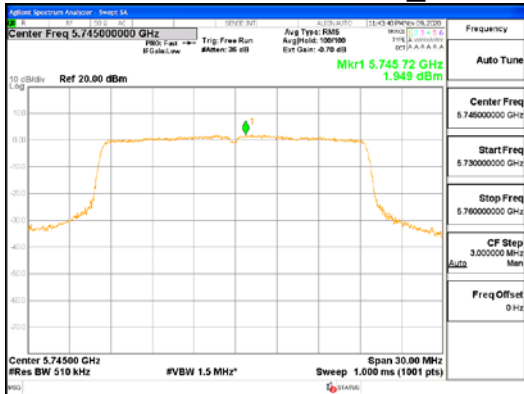


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ANT2_802.11ax_HE20_SU_UNI1 2C

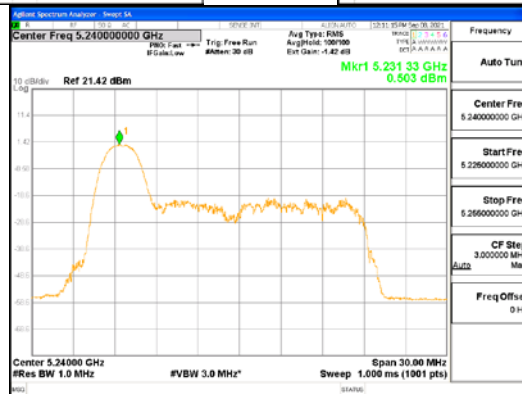
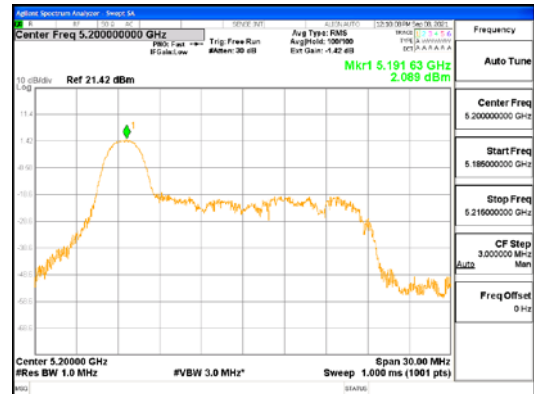
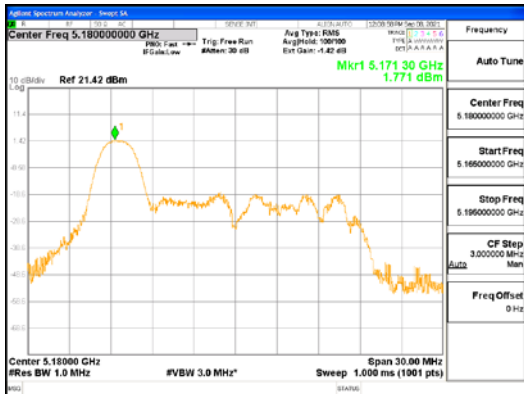


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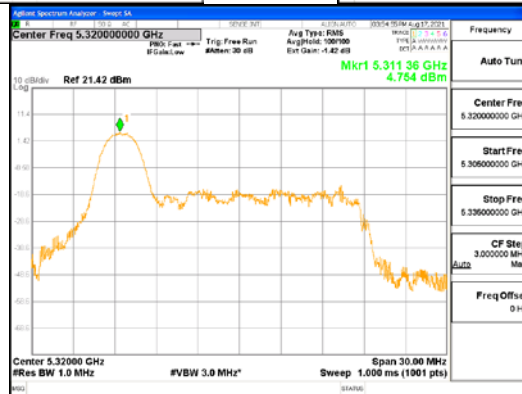
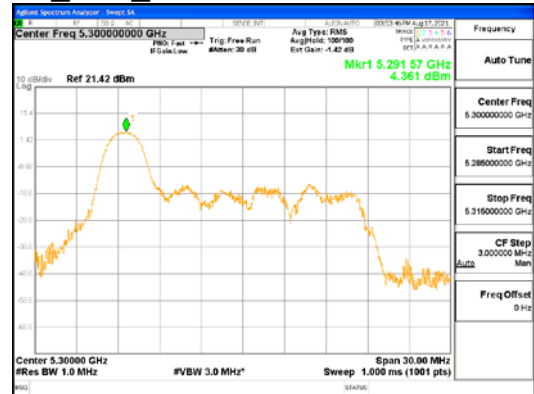
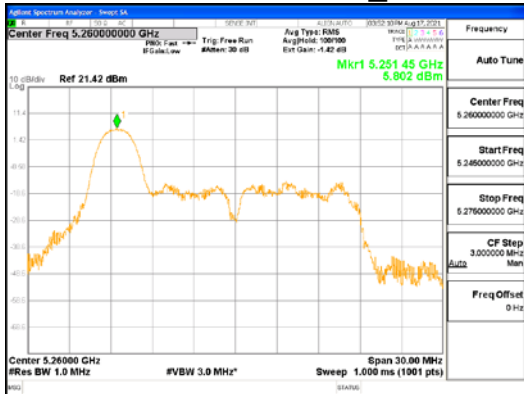


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ANT1_802.11ax_HE20_26T_Low_UNII 2A