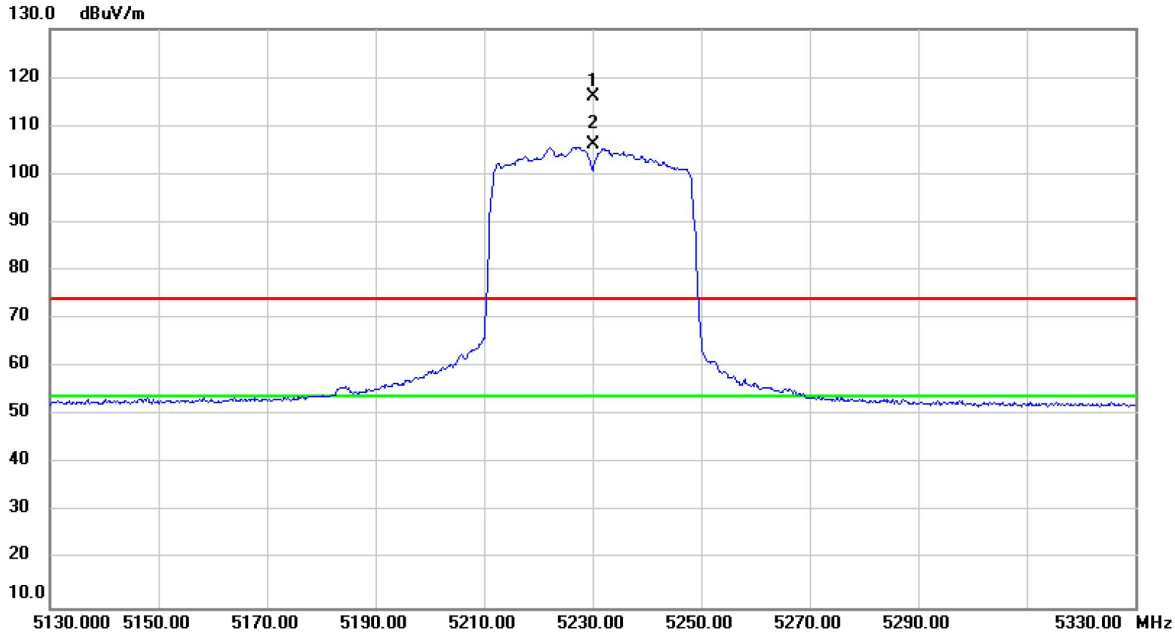
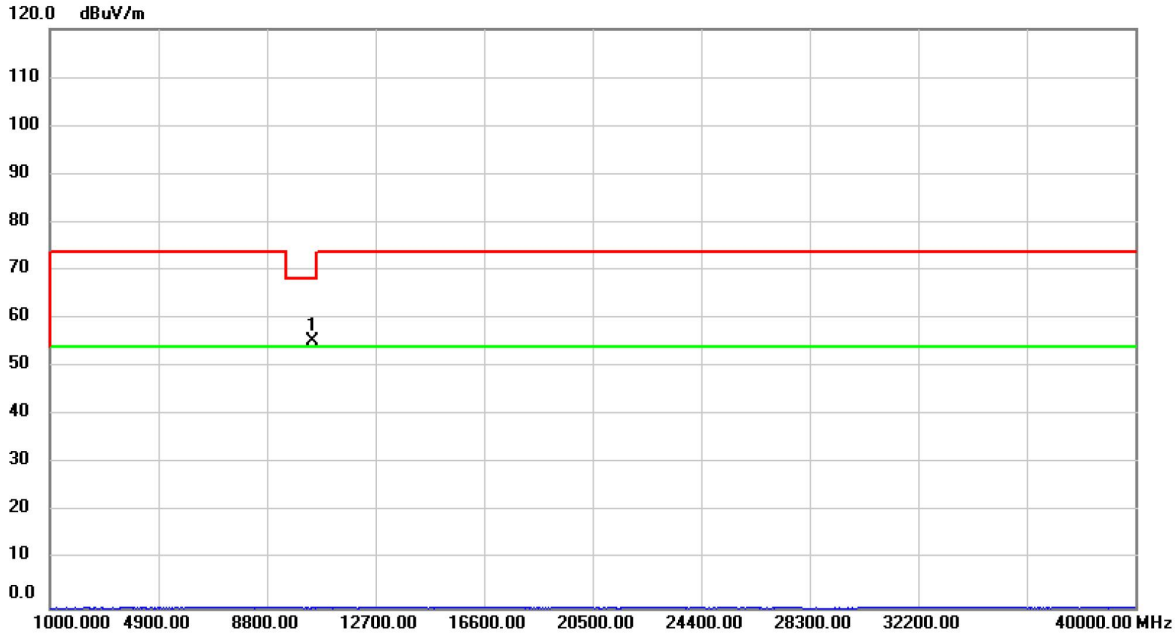
Test Mode	UNII-1/ TX N (HT40) Mode 5230 MHz	Polarization	Vertical



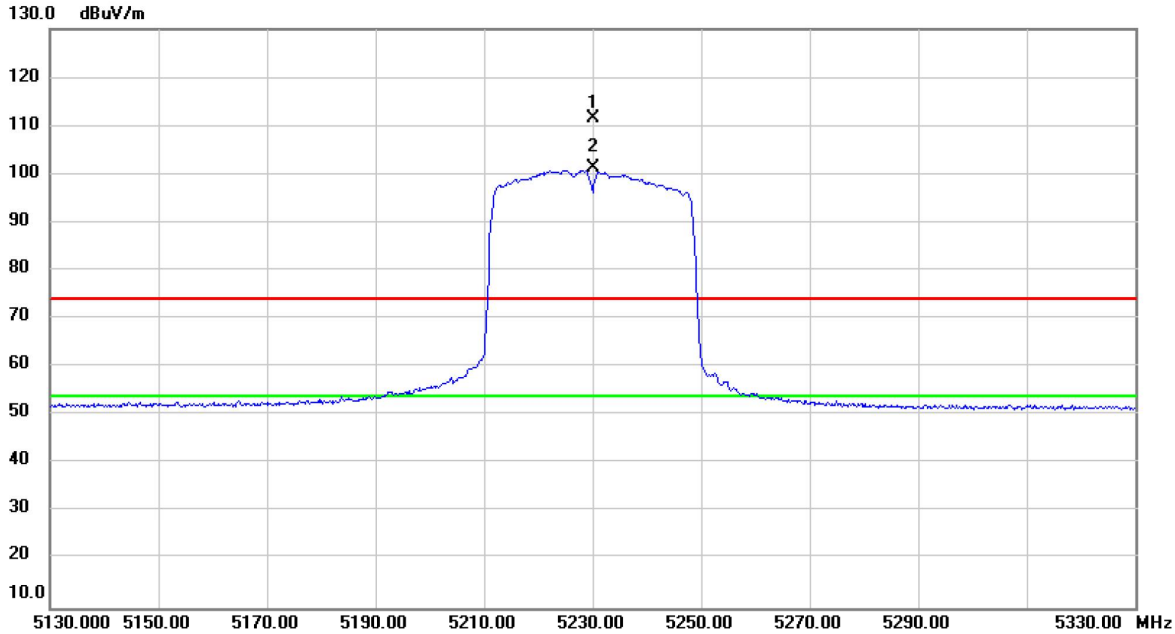
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5230.000	78.62	37.40	116.02	74.00	42.02	peak	No Limit
2	*	5230.000	68.70	37.40	106.10	54.00	52.10	AVG	No Limit

Test Mode	UNII-1/ TX N (HT40) Mode 5230 MHz	Polarization	Vertical



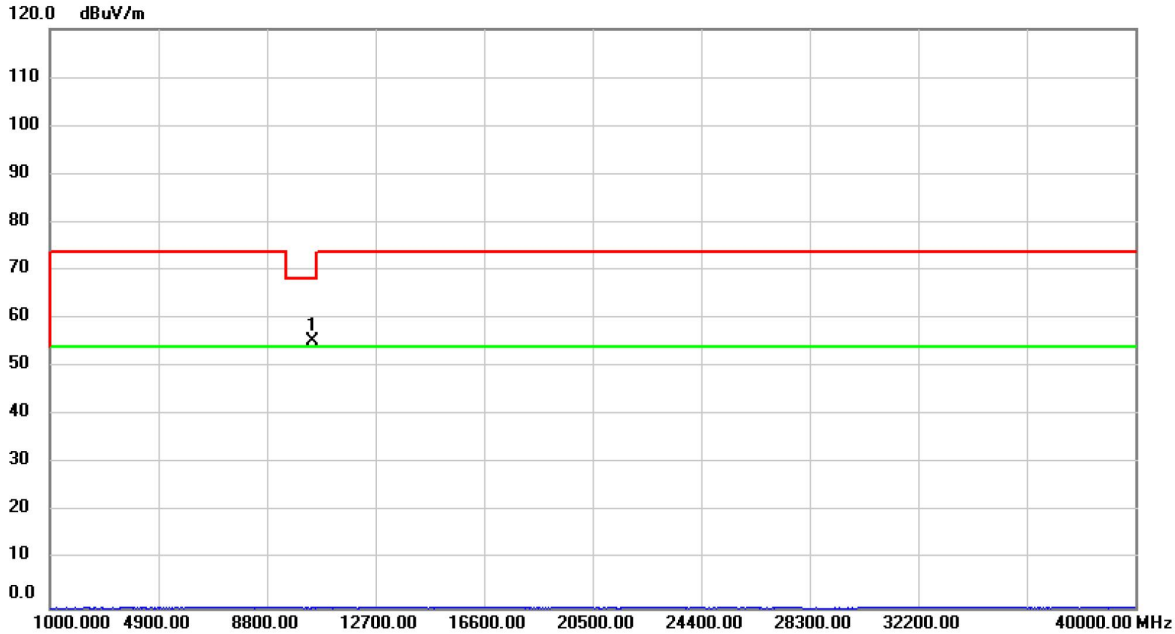
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10460.00	53.70	1.68	55.38	68.20	-12.82	peak	

Test Mode	UNII-1/ TX N (HT40) Mode 5230 MHz	Polarization	Horizontal



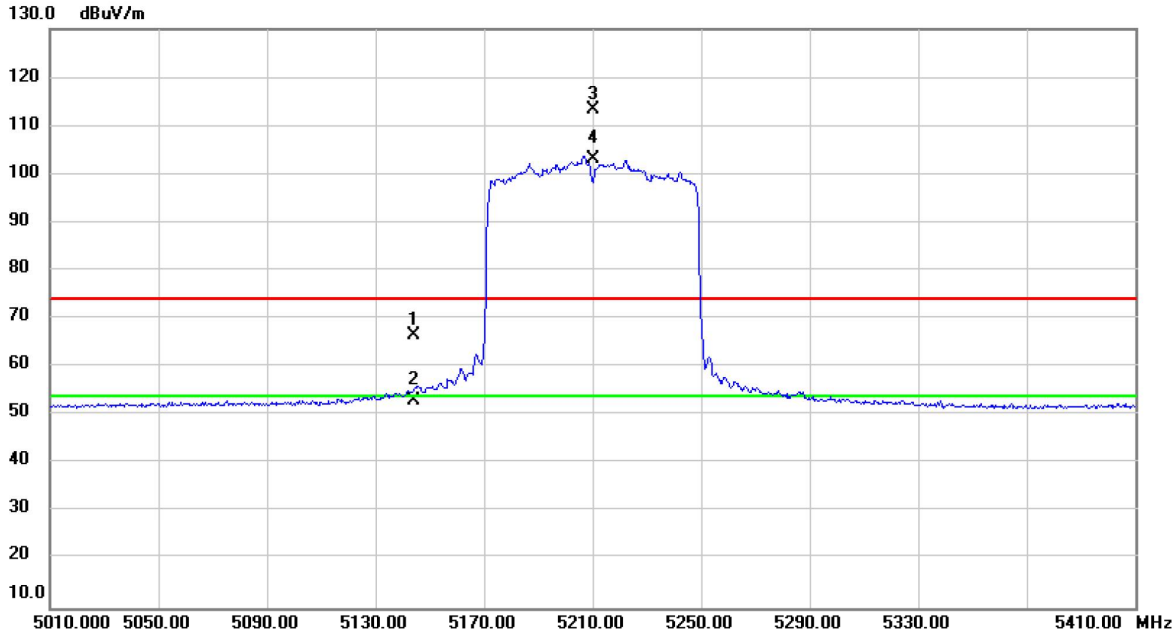
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	5230.000	74.01	37.40	111.41	74.00	37.41	peak	No Limit
2	*	5230.000	64.07	37.40	101.47	54.00	47.47	AVG	No Limit

Test Mode	UNII-1/ TX N (HT40) Mode 5230 MHz	Polarization	Horizontal



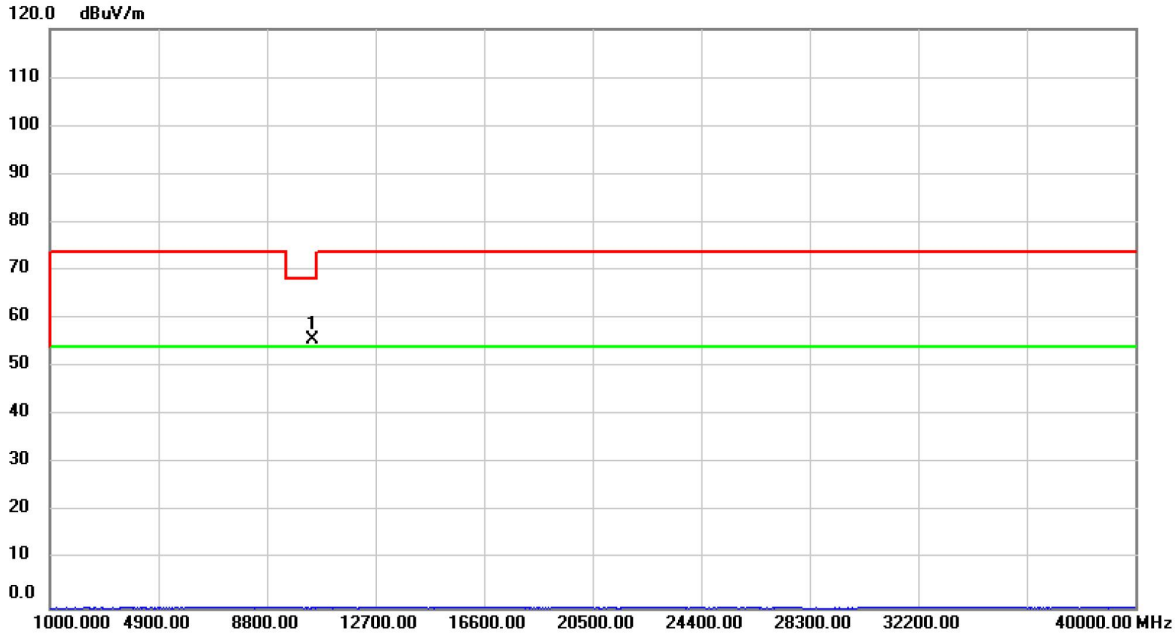
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10460.00	53.65	1.68	55.33	68.20	-12.87	peak	

Test Mode	UNII-1/ TX AC (VHT80) Mode 5210 MHz	Polarization	Vertical



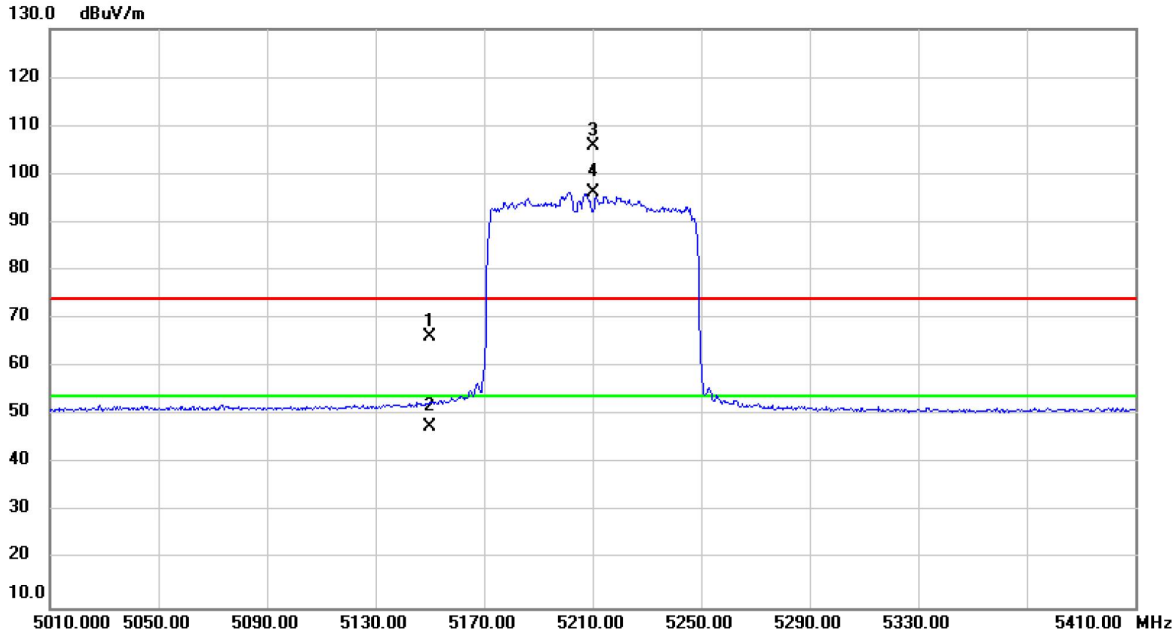
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5144.400	29.23	37.30	66.53	74.00	-7.47	peak	
2		5144.400	15.66	37.30	52.96	54.00	-1.04	AVG	
3	X	5210.000	75.89	37.38	113.27	74.00	39.27	peak	No Limit
4	*	5210.000	65.92	37.38	103.30	54.00	49.30	AVG	No Limit

Test Mode	UNII-1/ TX AC (VHT80) Mode 5210 MHz	Polarization	Vertical



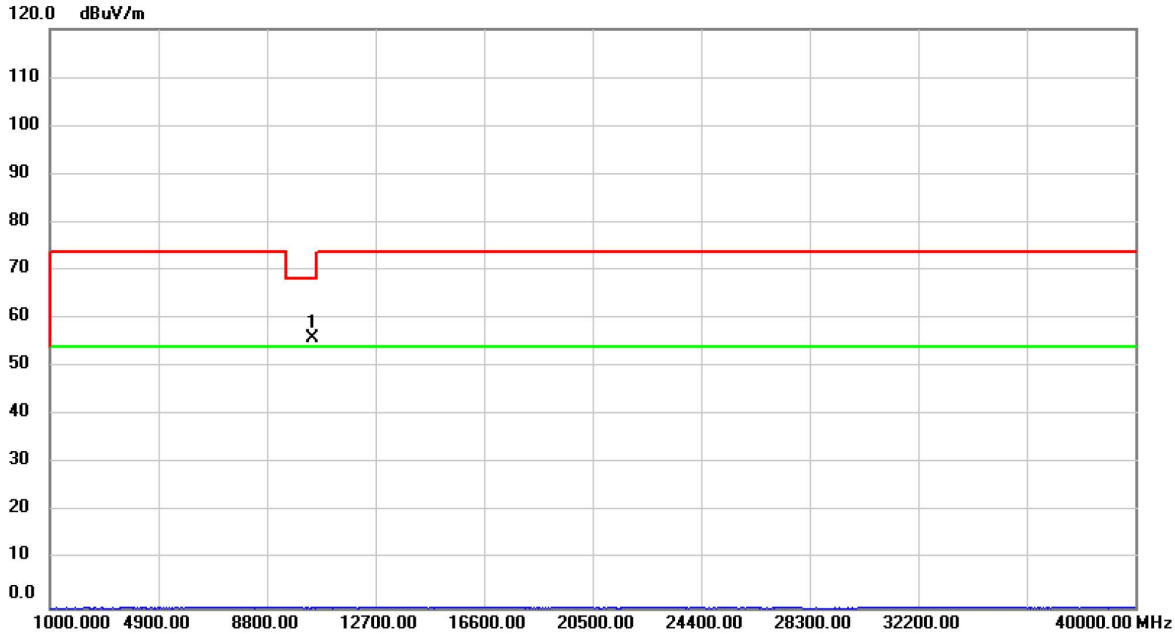
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10420.00	54.16	1.64	55.80	68.20	-12.40	peak	

Test Mode	UNII-1/ TX AC (VHT80) Mode 5210 MHz	Polarization	Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		5150.000	28.95	37.31	66.26	74.00	-7.74	peak	
2		5150.000	10.43	37.31	47.74	54.00	-6.26	AVG	
3	X	5210.000	68.34	37.38	105.72	74.00	31.72	peak	No Limit
4	*	5210.000	58.98	37.38	96.36	54.00	42.36	AVG	No Limit

Test Mode	UNII-1/ TX AC (VHT80) Mode 5210 MHz	Polarization	Horizontal



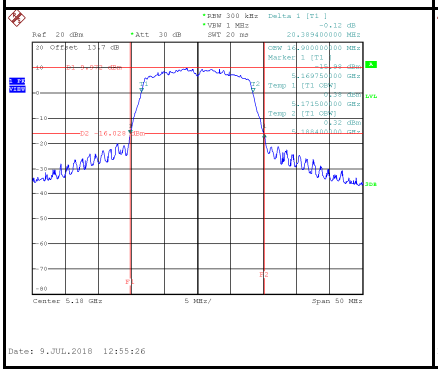
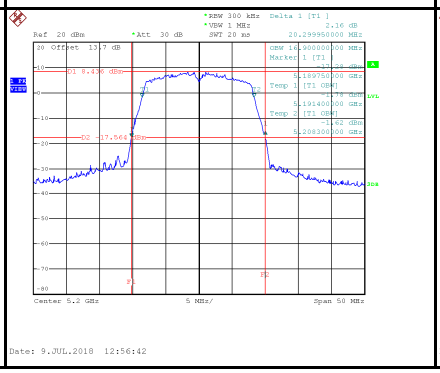
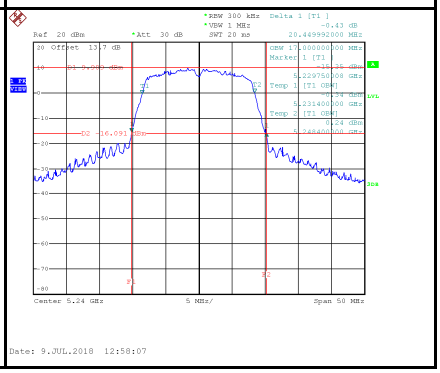
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	10420.00	54.32	1.64	55.96	68.20	-12.24	peak	

APPENDIX E BANDWIDTH

CONTINUE ON NEXT PAGE

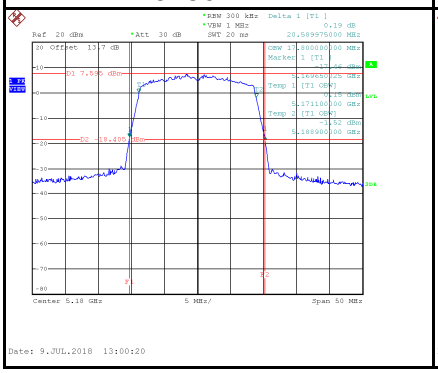
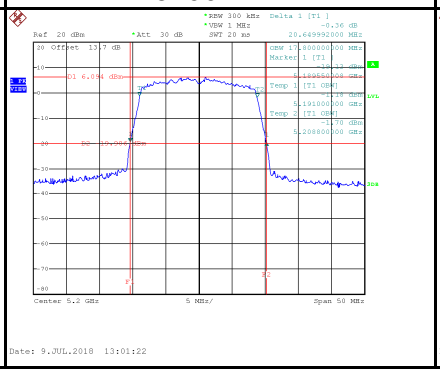
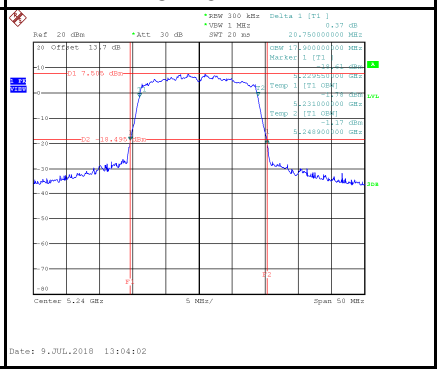
Test Mode	UNII-1_IEEE 802.11a

Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
5180	20.39	16.90
5200	20.30	16.90
5240	20.45	17.00

5180 MHz	5200 MHz	5240 MHz
		

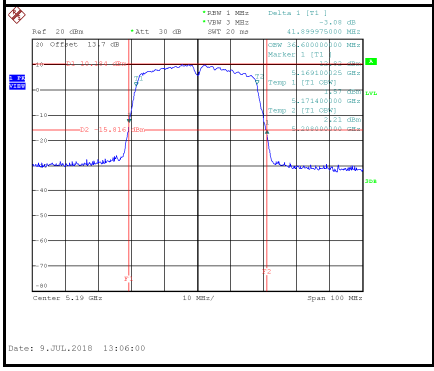
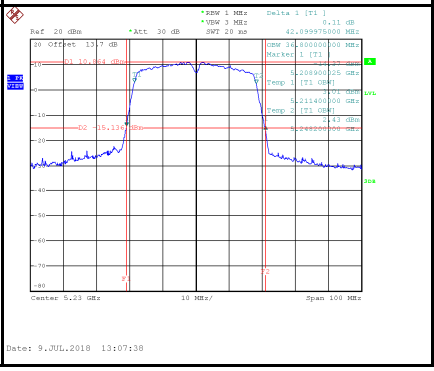
Test Mode	UNII-1_IEEE 802.11n (HT20)

Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
5180	20.59	17.80
5200	20.65	17.80
5240	20.75	17.90

5180 MHz	5200 MHz	5240 MHz
		

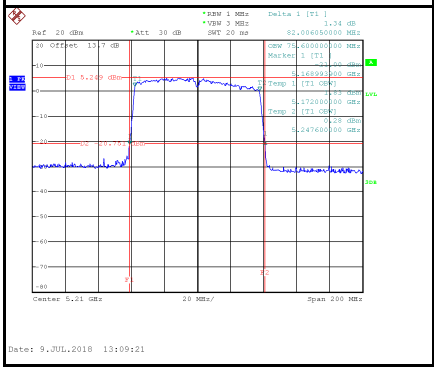
Test Mode	UNII-1_IEEE 802.11n (HT40)

Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
5190	41.90	36.60
5230	42.10	36.80

5190 MHz	5230 MHz	
		

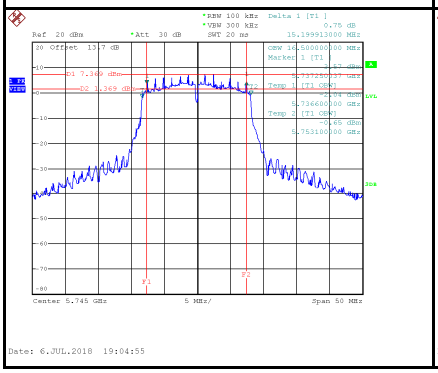
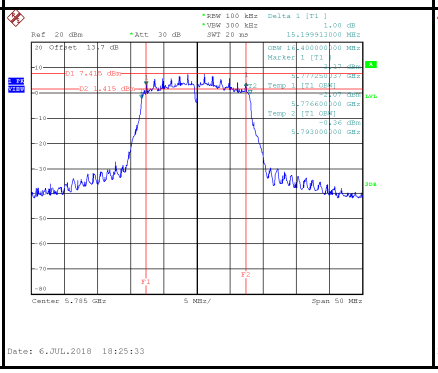
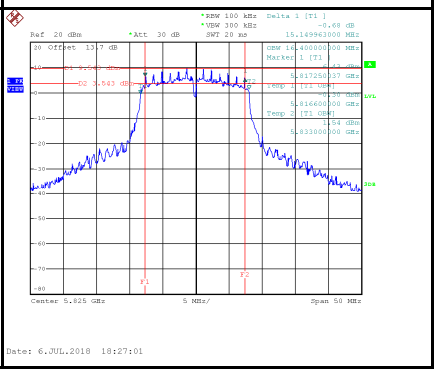
Test Mode	UNII-1_IEEE 802.11ac (VHT80)

Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
5210	82.01	75.60

5210 MHz		
		

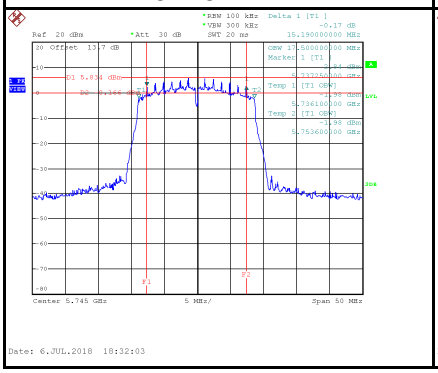
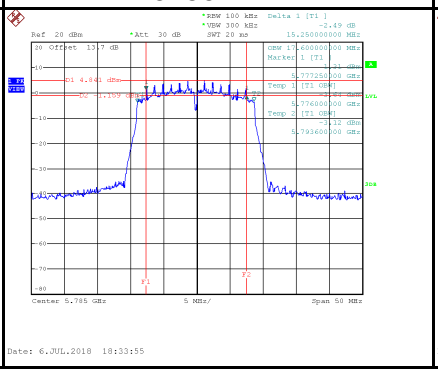
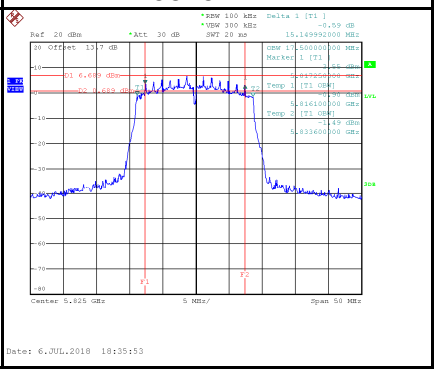
Test Mode	UNII-3_IEEE 802.11a

Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
5745	15.20	16.50
5785	15.20	16.40
5825	15.15	16.40

5745 MHz	5785 MHz	5825 MHz
		

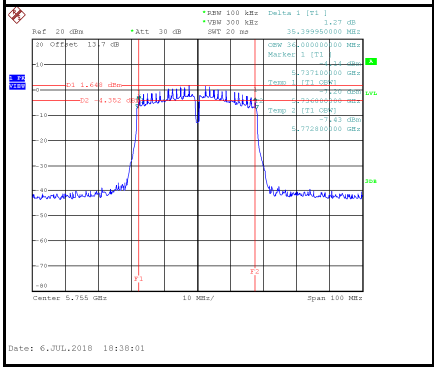
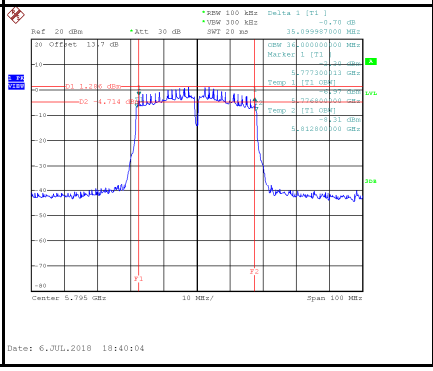
Test Mode	UNII-3_IEEE 802.11n (HT20)

Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
5745	15.19	17.50
5785	15.25	17.60
5825	15.15	17.50

5745 MHz	5785 MHz	5825 MHz
		

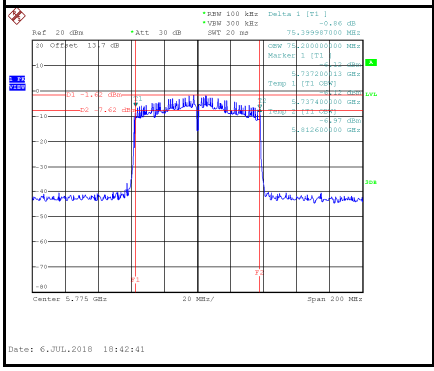
Test Mode	UNII-3_IEEE 802.11n (HT40)

Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
5755	35.40	36.00
5795	35.10	36.00

5755 MHz	5795 MHz	
		

Test Mode	UNII-3_IEEE 802.11ac (VHT80)

Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
5775	75.40	75.20

5775 MHz		
		

APPENDIX F PEAK OUTPUT POWER

CONTINUE ON NEXT PAGE

Test Mode	UNII-1_IEEE 802.11a_ANT 1

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5180	16.83	0.0482	30.00	1.0000	Complies
5200	16.22	0.0419	30.00	1.0000	Complies
5240	17.59	0.0574	30.00	1.0000	Complies

Test Mode	UNII-1_IEEE 802.11a_ANT 2

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5180	16.24	0.0421	30.00	1.0000	Complies
5200	16.91	0.0491	30.00	1.0000	Complies
5240	16.98	0.0499	30.00	1.0000	Complies

Test Mode	UNII-1_IEEE 802.11a_ANT 3

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5180	16.87	0.0486	30.00	1.0000	Complies
5200	17.76	0.0597	30.00	1.0000	Complies
5240	17.09	0.0512	30.00	1.0000	Complies

Test Mode	UNII-1_IEEE 802.11a_ANT 4

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5180	16.37	0.0434	30.00	1.0000	Complies
5200	17.58	0.0573	30.00	1.0000	Complies
5240	16.81	0.0480	30.00	1.0000	Complies

Test Mode	UNII-1_IEEE 802.11a_Total

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5180	22.61	0.1823	30.00	1.0000	Complies
5200	23.18	0.2080	30.00	1.0000	Complies
5240	23.15	0.2064	30.00	1.0000	Complies

Test Mode	UNII-1_IEEE 802.11n (HT20)_ANT 1

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5180	15.45	0.0351	22.12	0.4550	Complies
5200	15.11	0.0324	22.12	0.4550	Complies
5240	15.71	0.0372	22.12	0.4550	Complies

Test Mode	UNII-1_IEEE 802.11n (HT20)_ANT 2

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5180	14.98	0.0315	22.12	0.4550	Complies
5200	16.12	0.0409	22.12	0.4550	Complies
5240	15.51	0.0356	22.12	0.4550	Complies

Test Mode	UNII-1_IEEE 802.11n (HT20)_ANT 3

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5180	15.46	0.0352	22.12	0.4550	Complies
5200	16.33	0.0430	22.12	0.4550	Complies
5240	15.40	0.0347	22.12	0.4550	Complies

Test Mode	UNII-1_IEEE 802.11n (HT20)_ANT 4

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5180	15.63	0.0366	22.12	0.4550	Complies
5200	15.77	0.0378	22.12	0.4550	Complies
5240	15.28	0.0337	22.12	0.4550	Complies

Test Mode	UNII-1_IEEE 802.11n (HT20)_Total

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5180	21.41	0.1383	22.12	0.4550	Complies
5200	21.88	0.1541	22.12	0.4550	Complies
5240	21.50	0.1412	22.12	0.4550	Complies

Test Mode	UNII-1_IEEE 802.11ac (HT20)_ANT 1

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5180	15.10	0.0324	22.12	0.4550	Complies
5200	14.58	0.0287	22.12	0.4550	Complies
5240	14.94	0.0312	22.12	0.4550	Complies

Test Mode	UNII-1_IEEE 802.11ac (HT20)_ANT 2

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5180	14.72	0.0296	22.12	0.4550	Complies
5200	15.51	0.0356	22.12	0.4550	Complies
5240	15.02	0.0318	22.12	0.4550	Complies

Test Mode	UNII-1_IEEE 802.11ac (HT20)_ANT 3

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5180	15.01	0.0317	22.12	0.4550	Complies
5200	15.44	0.0350	22.12	0.4550	Complies
5240	14.63	0.0290	22.12	0.4550	Complies

Test Mode	UNII-1_IEEE 802.11ac (HT20)_ANT 4

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5180	15.48	0.0353	22.12	0.4550	Complies
5200	15.34	0.0342	22.12	0.4550	Complies
5240	15.06	0.0321	22.12	0.4550	Complies

Test Mode	UNII-1_IEEE 802.11ac (HT20)_Total

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5180	21.11	0.1290	22.12	0.4550	Complies
5200	21.25	0.1335	22.12	0.4550	Complies
5240	20.94	0.1241	22.12	0.4550	Complies

Test Mode	UNII-1_IEEE 802.11n (HT40)_ANT 1

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5190	15.39	0.0346	22.12	0.4550	Complies
5230	15.47	0.0352	22.12	0.4550	Complies

Test Mode	UNII-1_IEEE 802.11n (HT40)_ANT 2

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5190	15.74	0.0375	22.12	0.4550	Complies
5230	16.03	0.0401	22.12	0.4550	Complies

Test Mode	UNII-1_IEEE 802.11n (HT40)_ANT 3

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5190	15.67	0.0369	22.12	0.4550	Complies
5230	14.86	0.0306	22.12	0.4550	Complies

Test Mode	UNII-1_IEEE 802.11n (HT40)_ANT 4

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5190	16.13	0.0410	22.12	0.4550	Complies
5230	15.28	0.0337	22.12	0.4550	Complies

Test Mode	UNII-1_IEEE 802.11n (HT40)_Total

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5190	21.76	0.1500	22.12	0.4550	Complies
5230	21.45	0.1397	22.12	0.4550	Complies

Test Mode	UNII-1_IEEE 802.11ac (HT40)_ANT 1

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5190	14.69	0.0294	22.12	0.4550	Complies
5230	15.42	0.0348	22.12	0.4550	Complies

Test Mode	UNII-1_IEEE 802.11ac (HT40)_ANT 2

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5190	14.88	0.0308	22.12	0.4550	Complies
5230	15.79	0.0379	22.12	0.4550	Complies

Test Mode	UNII-1_IEEE 802.11ac (HT40)_ANT 3

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5190	15.06	0.0321	22.12	0.4550	Complies
5230	14.91	0.0310	22.12	0.4550	Complies

Test Mode	UNII-1_IEEE 802.11ac (HT40)_ANT 4

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5190	15.26	0.0336	22.12	0.4550	Complies
5230	15.11	0.0324	22.12	0.4550	Complies

Test Mode	UNII-1_IEEE 802.11ac (HT40)_Total

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5190	21.00	0.1258	22.12	0.4550	Complies
5230	21.34	0.1362	22.12	0.4550	Complies

Test Mode	UNII-1_IEEE 802.11ac (VHT80)_ANT 1

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5210	15.26	0.0336	22.12	0.4550	Complies

Test Mode	UNII-1_IEEE 802.11ac (VHT80)_ANT 2

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5210	14.96	0.0313	22.12	0.4550	Complies

Test Mode	UNII-1_IEEE 802.11ac (VHT80)_ANT 3

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5210	13.44	0.0221	22.12	0.4550	Complies

Test Mode	UNII-1_IEEE 802.11ac (VHT80)_ANT 4

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5210	13.50	0.0224	22.12	0.4550	Complies

Test Mode	UNII-1_IEEE 802.11ac (VHT80)_Total

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5210	20.39	0.1094	22.12	0.4550	Complies

Test Mode	UNII-3_IEEE 802.11a_ANT 1

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5745	18.94	0.0783	30.00	1.0000	Complies
5785	18.91	0.0778	30.00	1.0000	Complies
5825	18.46	0.0701	30.00	1.0000	Complies

Test Mode	UNII-3_IEEE 802.11a_ANT 2

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5745	19.07	0.0807	30.00	1.0000	Complies
5785	19.09	0.0811	30.00	1.0000	Complies
5825	19.67	0.0927	30.00	1.0000	Complies

Test Mode	UNII-3_IEEE 802.11a_Total

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5745	22.02	0.1591	30.00	1.0000	Complies
5785	22.01	0.1589	30.00	1.0000	Complies
5825	22.12	0.1628	30.00	1.0000	Complies

Test Mode	UNII-3_IEEE 802.11n (HT20)_ANT 1

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5745	18.27	0.0671	30.00	1.0000	Complies
5785	17.75	0.0596	30.00	1.0000	Complies
5825	17.77	0.0598	30.00	1.0000	Complies

Test Mode	UNII-3_IEEE 802.11n (HT20)_ANT 2

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5745	18.12	0.0649	30.00	1.0000	Complies
5785	18.13	0.0650	30.00	1.0000	Complies
5825	18.38	0.0689	30.00	1.0000	Complies

Test Mode	UNII-3_IEEE 802.11n (HT20)_Total

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5745	21.21	0.1320	30.00	1.0000	Complies
5785	20.95	0.1246	30.00	1.0000	Complies
5825	21.10	0.1287	30.00	1.0000	Complies

Test Mode	UNII-3_IEEE 802.11ac (HT20)_ANT 1

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5745	17.15	0.0519	30.00	1.0000	Complies
5785	16.77	0.0475	30.00	1.0000	Complies
5825	16.54	0.0451	30.00	1.0000	Complies

Test Mode	UNII-3_IEEE 802.11ac (HT20)_ANT 2

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5745	17.29	0.0536	30.00	1.0000	Complies
5785	17.22	0.0527	30.00	1.0000	Complies
5825	17.37	0.0546	30.00	1.0000	Complies

Test Mode	UNII-3_IEEE 802.11ac (HT20)_Total

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5745	20.23	0.1055	30.00	1.0000	Complies
5785	20.01	0.1003	30.00	1.0000	Complies
5825	19.99	0.0997	30.00	1.0000	Complies

Test Mode	UNII-3_IEEE 802.11n (HT40)_ANT 1

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5755	16.82	0.0481	30.00	1.0000	Complies
5795	16.45	0.0442	30.00	1.0000	Complies

Test Mode	UNII-3_IEEE 802.11n (HT40)_ANT 2

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5755	17.08	0.0511	30.00	1.0000	Complies
5795	17.09	0.0512	30.00	1.0000	Complies

Test Mode	UNII-3_IEEE 802.11n (HT40)_Total

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5755	19.96	0.0991	30.00	1.0000	Complies
5795	19.79	0.0953	30.00	1.0000	Complies

Test Mode	UNII-3_IEEE 802.11ac (HT40)_ANT 1

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5755	16.52	0.0449	30.00	1.0000	Complies
5795	15.61	0.0364	30.00	1.0000	Complies

Test Mode	UNII-3_IEEE 802.11ac (HT40)_ANT 2

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5755	16.61	0.0458	30.00	1.0000	Complies
5795	16.29	0.0426	30.00	1.0000	Complies

Test Mode	UNII-3_IEEE 802.11ac (HT40)_Total

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5755	19.58	0.0907	30.00	1.0000	Complies
5795	18.97	0.0790	30.00	1.0000	Complies

Test Mode	UNII-3_IEEE 802.11ac (VHT80)_ANT 1

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5775	16.61	0.0458	30.00	1.0000	Complies

Test Mode	UNII-3_IEEE 802.11ac (VHT80)_ANT 2

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5775	16.59	0.0456	30.00	1.0000	Complies

Test Mode	UNII-3_IEEE 802.11ac (VHT80)_Total

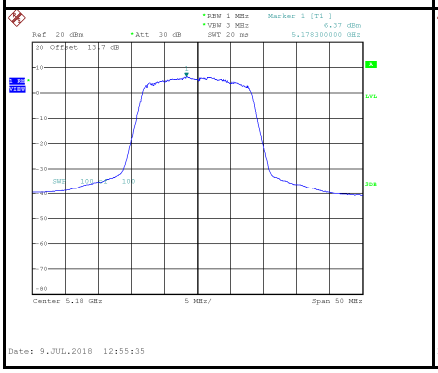
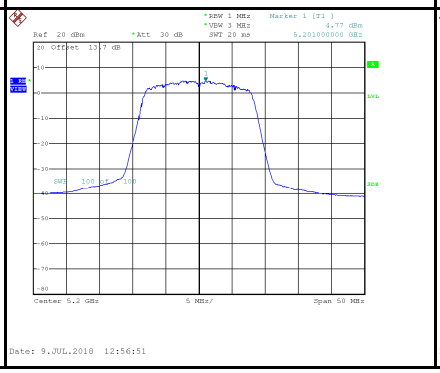
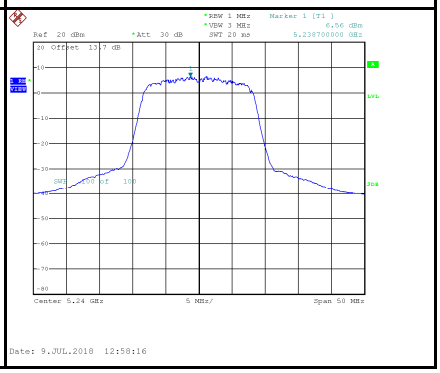
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
5775	19.61	0.0914	30.00	1.0000	Complies

APPENDIX G POWER SPECTRAL DENSITY

CONTINUE ON NEXT PAGE

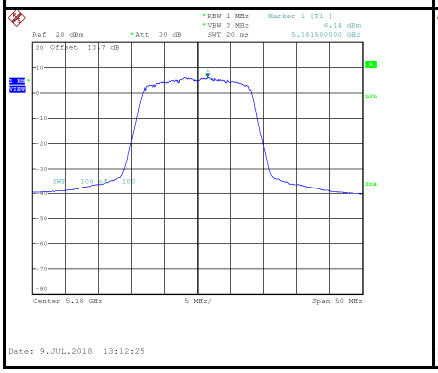
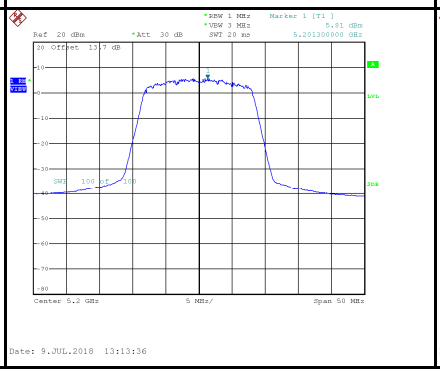
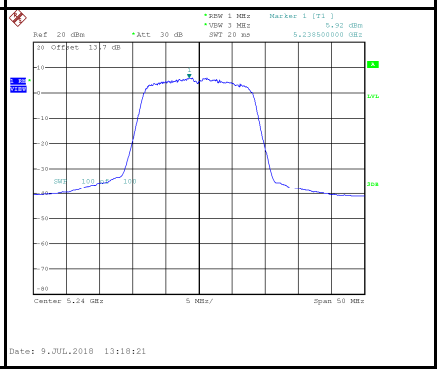
Test Mode	UNII-1_IEEE 802.11a_ANT 1

Frequency	Power Density (dBm/MHz)	Duty Factor (dB)	Power Density + Duty Factor (dBm/MHz)	Max. Limit (dBm)	Result
5180	6.37	0.25	6.62	13.58	Complies
5200	4.77	0.25	5.02	13.58	Complies
5240	6.56	0.25	6.81	13.58	Complies

5180 MHz	5200 MHz	5240 MHz
		

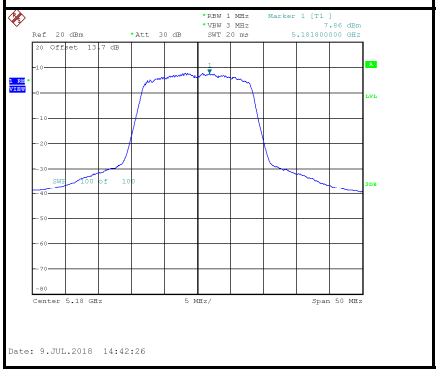
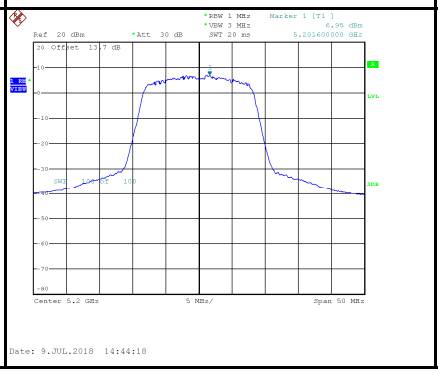
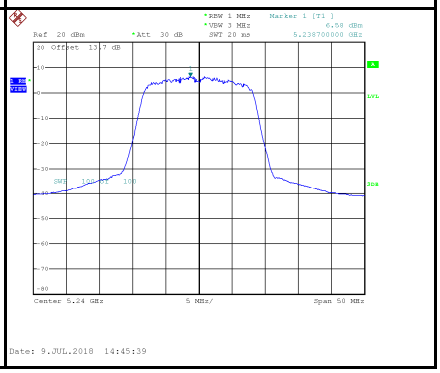
Test Mode	UNII-1_IEEE 802.11a_ANT 2

Frequency	Power Density (dBm/MHz)	Duty Factor (dB)	Power Density + Duty Factor (dBm/MHz)	Max. Limit (dBm)	Result
5180	6.14	0.25	6.39	13.58	Complies
5200	5.81	0.25	6.06	13.58	Complies
5240	5.92	0.25	6.17	13.58	Complies

5180 MHz	5200 MHz	5240 MHz
		

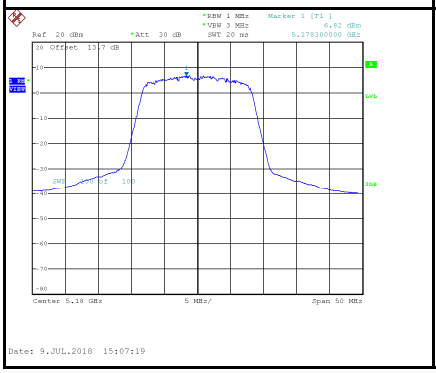
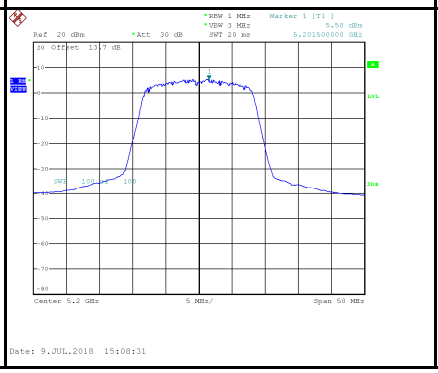
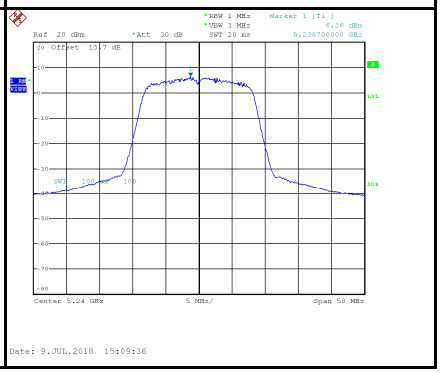
Test Mode	UNII-1_IEEE 802.11a_ANT 1

Frequency	Power Density (dBm/MHz)	Duty Factor (dB)	Power Density + Duty Factor (dBm/MHz)	Max. Limit (dBm)	Result
5180	7.86	0.25	8.11	13.58	Complies
5200	6.95	0.25	7.20	13.58	Complies
5240	6.58	0.25	6.83	13.58	Complies

5180 MHz	5200 MHz	5240 MHz
		

Test Mode	UNII-1_IEEE 802.11a_ANT 1

Frequency	Power Density (dBm/MHz)	Duty Factor (dB)	Power Density + Duty Factor (dBm/MHz)	Max. Limit (dBm)	Result
5180	6.82	0.25	7.07	13.58	Complies
5200	5.50	0.25	5.75	13.58	Complies
5240	6.36	0.25	6.61	13.58	Complies

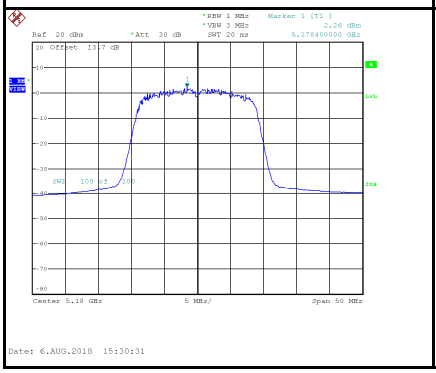
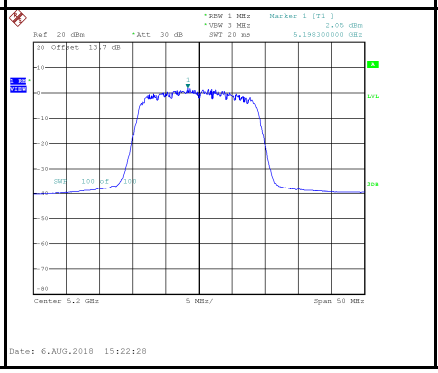
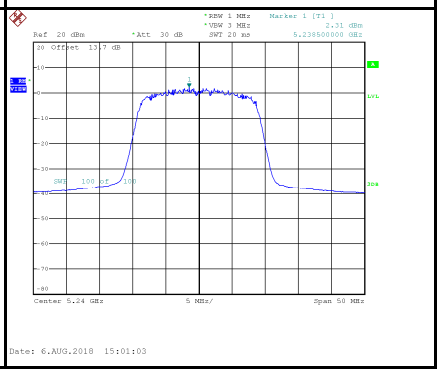
5180 MHz	5200 MHz	5240 MHz
		

Test Mode	UNII-1_IEEE 802.11a_Total

Frequency	Power Density + Duty Factor (dBm/MHz)	Max. Limit (dBm)	Result
5180	13.12	13.58	Complies
5200	12.10	13.58	Complies
5240	12.63	13.58	Complies

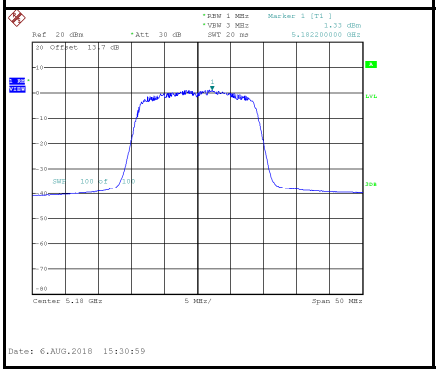
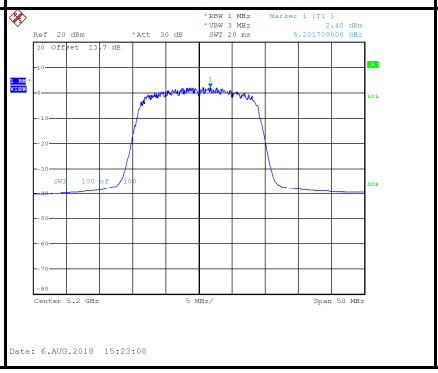
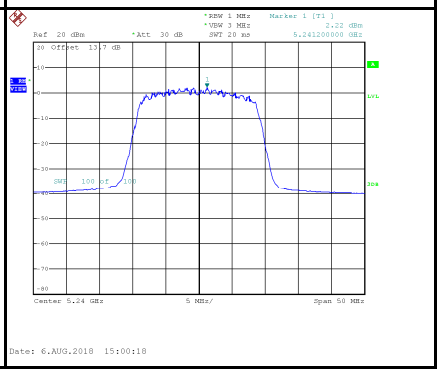
Test Mode	UNII-1_IEEE 802.11n (HT20)_ANT 1

Frequency	Power Density (dBm/MHz)	Duty Factor (dB)	Power Density + Duty Factor (dBm/MHz)	Max. Limit (dBm)	Result
5180	2.26	0.65	2.91	9.12	Complies
5200	2.05	0.65	2.70	9.12	Complies
5240	2.31	0.65	2.96	9.12	Complies

5180 MHz	5200 MHz	5240 MHz
		

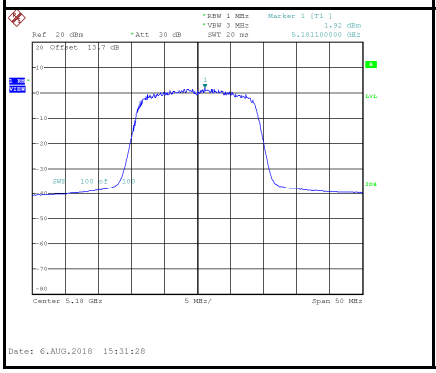
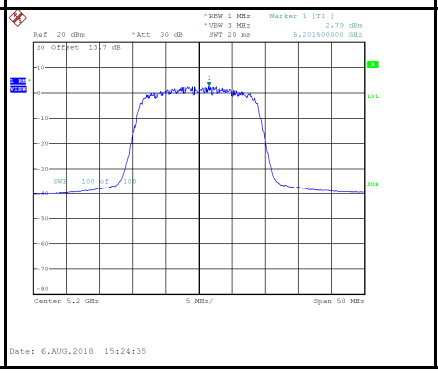
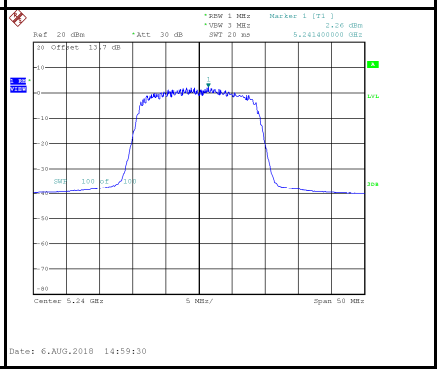
Test Mode	UNII-1_IEEE 802.11n (HT20)_ANT 2

Frequency	Power Density (dBm/MHz)	Duty Factor (dB)	Power Density + Duty Factor (dBm/MHz)	Max. Limit (dBm)	Result
5180	1.33	0.65	1.98	9.12	Complies
5200	2.40	0.65	3.05	9.12	Complies
5240	2.22	0.65	2.87	9.12	Complies

5180 MHz	5200 MHz	5240 MHz
		

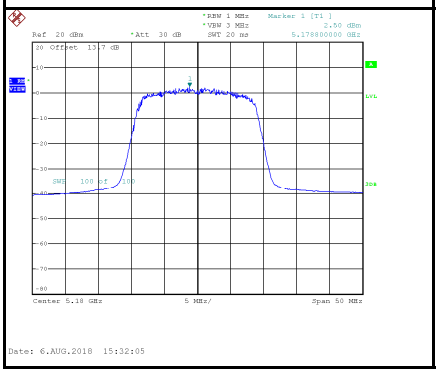
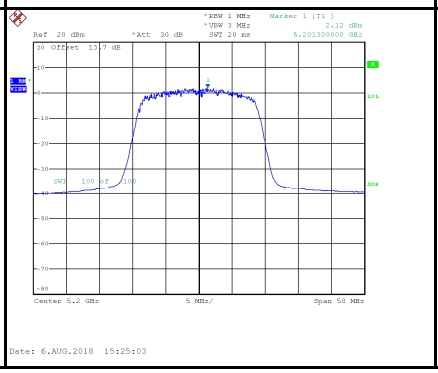
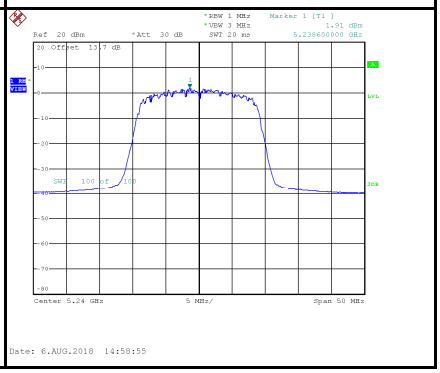
Test Mode	UNII-1_IEEE 802.11n (HT20)_ANT 3

Frequency	Power Density (dBm/MHz)	Duty Factor (dB)	Power Density + Duty Factor (dBm/MHz)	Max. Limit (dBm)	Result
5180	1.92	0.65	2.57	9.12	Complies
5200	2.79	0.65	3.44	9.12	Complies
5240	2.26	0.65	2.91	9.12	Complies

5180 MHz	5200 MHz	5240 MHz
		

Test Mode	UNII-1_IEEE 802.11n (HT20)_ANT 4

Frequency	Power Density (dBm/MHz)	Duty Factor (dB)	Power Density + Duty Factor (dBm/MHz)	Max. Limit (dBm)	Result
5180	2.50	0.65	3.15	9.12	Complies
5200	2.12	0.65	2.77	9.12	Complies
5240	1.91	0.65	2.56	9.12	Complies

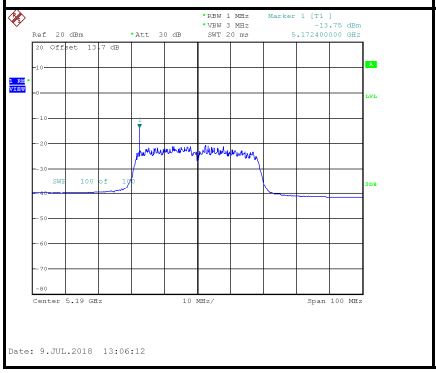
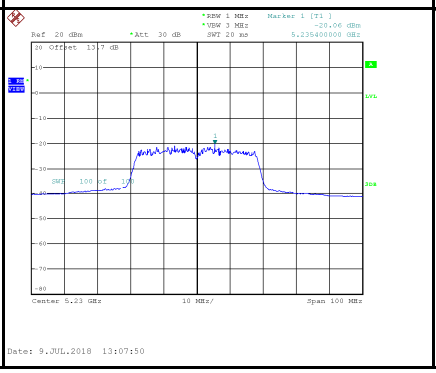
5180 MHz	5200 MHz	5240 MHz
		

Test Mode	UNII-1_IEEE 802.11n (HT20)_Total

Frequency	Power Density + Duty Factor (dBm/MHz)	Max. Limit (dBm)	Result
5180	8.69	9.12	Complies
5200	9.02	9.12	Complies
5240	8.84	9.12	Complies

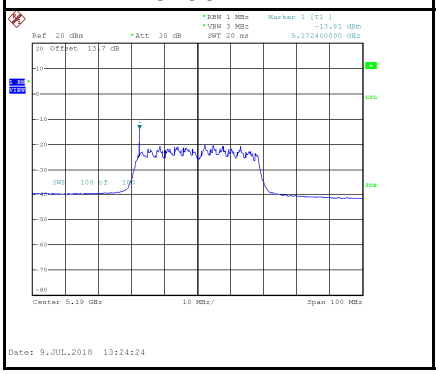
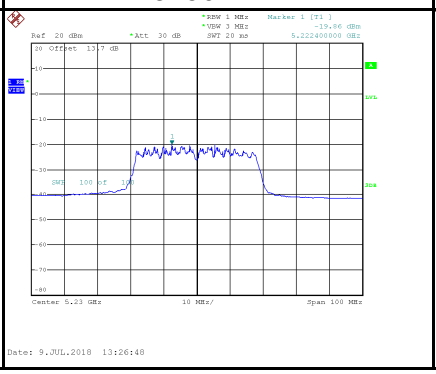
Test Mode	UNII-1_IEEE 802.11n (HT40)_ANT 1

Frequency	Power Density (dBm/MHz)	Duty Factor (dB)	Power Density + Duty Factor (dBm/MHz)	Max. Limit (dBm)	Result
5190	-13.75	1.74	-12.01	9.12	Complies
5230	-20.06	1.74	-18.32	9.12	Complies

5190 MHz	5230 MHz	
		

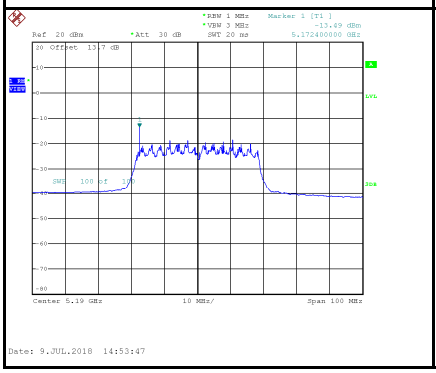
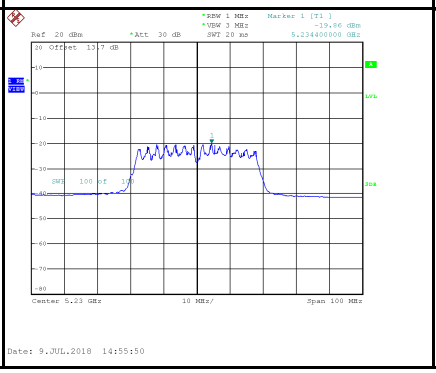
Test Mode	UNII-1_IEEE 802.11n (HT40)_ANT 2

Frequency	Power Density (dBm/MHz)	Duty Factor (dB)	Power Density + Duty Factor (dBm/MHz)	Max. Limit (dBm)	Result
5190	-13.81	1.74	-12.07	9.12	Complies
5230	-19.86	1.74	-18.12	9.12	Complies

5190 MHz	5230 MHz	
		

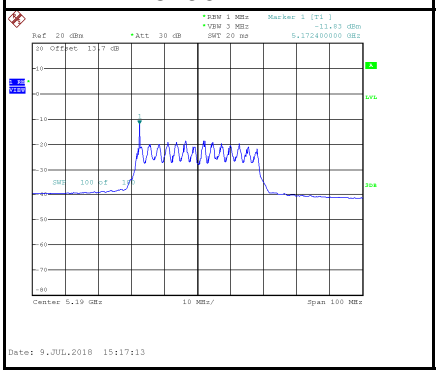
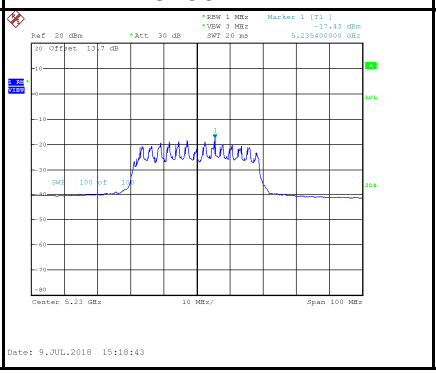
Test Mode	UNII-1_IEEE 802.11n (HT40)_ANT 3

Frequency	Power Density (dBm/MHz)	Duty Factor (dB)	Power Density + Duty Factor (dBm/MHz)	Max. Limit (dBm)	Result
5190	-13.49	1.74	-11.75	9.12	Complies
5230	-19.86	1.74	-18.12	9.12	Complies

5190 MHz	5230 MHz	
		

Test Mode	UNII-1_IEEE 802.11n (HT40)_ANT 4

Frequency	Power Density (dBm/MHz)	Duty Factor (dB)	Power Density + Duty Factor (dBm/MHz)	Max. Limit (dBm)	Result
5190	-11.83	1.74	-10.09	9.12	Complies
5230	-17.43	1.74	-15.69	9.12	Complies

5190 MHz	5230 MHz	
		

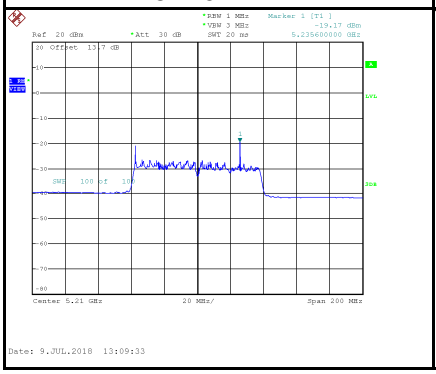
Test Mode	UNII-1_IEEE 802.11n (HT40)_Total

Frequency	Power Density + Duty Factor (dBm/MHz)	Max. Limit (dBm)	Result
5190	-5.37	9.12	Complies
5230	-11.39	9.12	Complies

Test Mode	UNII-1_IEEE 802.11ac (VHT80)_ANT 1

Frequency	Power Density (dBm/MHz)	Duty Factor (dB)	Power Density + Duty Factor (dBm/MHz)	Max. Limit (dBm)	Result
5210	-19.17	6.86	-12.31	9.12	Complies

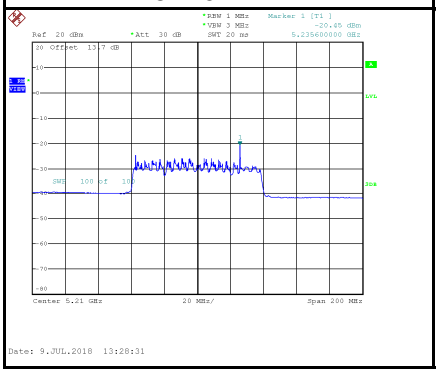
5210 MHz



Test Mode	UNII-1_IEEE 802.11ac (VHT80)_ANT 2

Frequency	Power Density (dBm/MHz)	Duty Factor (dB)	Power Density + Duty Factor (dBm/MHz)	Max. Limit (dBm)	Result
5210	-20.45	6.86	-13.59	9.12	Complies

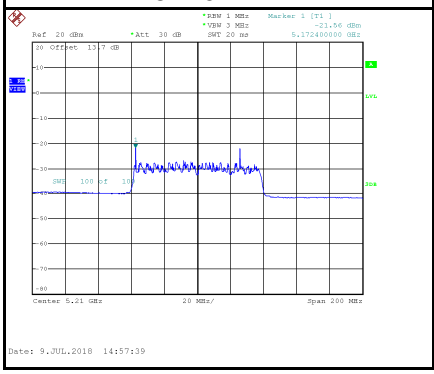
5210 MHz



Test Mode	UNII-1_IEEE 802.11ac (VHT80)_ANT 3

Frequency	Power Density (dBm/MHz)	Duty Factor (dB)	Power Density + Duty Factor (dBm/MHz)	Max. Limit (dBm)	Result
5210	-21.56	6.86	-14.70	9.12	Complies

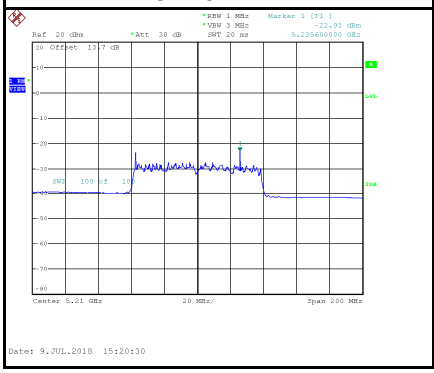
5210 MHz



Test Mode	UNII-1_IEEE 802.11ac (VHT80)_ANT 4

Frequency	Power Density (dBm/MHz)	Duty Factor (dB)	Power Density + Duty Factor (dBm/MHz)	Max. Limit (dBm)	Result
5210	-22.93	6.86	-16.07	9.12	Complies

5210 MHz

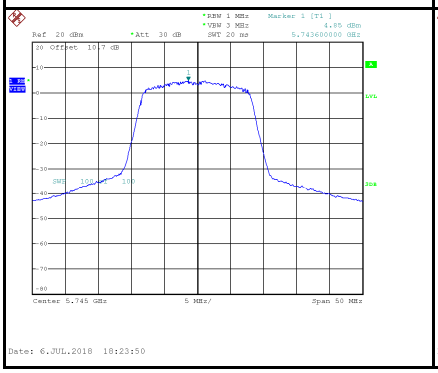
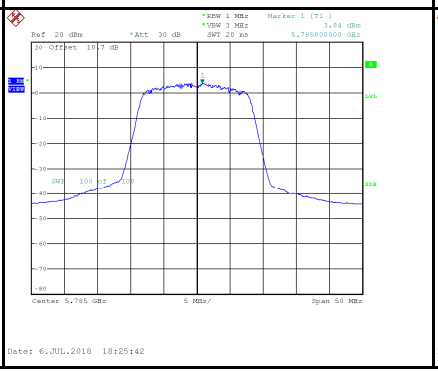
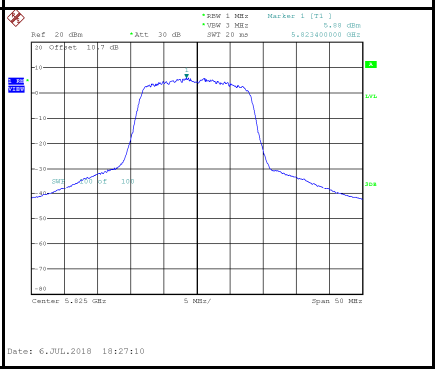


Test Mode	UNII-1_IEEE 802.11ac (VHT80)_Total

Frequency	Power Density + Duty Factor (dBm/MHz)	Max. Limit (dBm)	Result
5210	-7.93	9.12	Complies

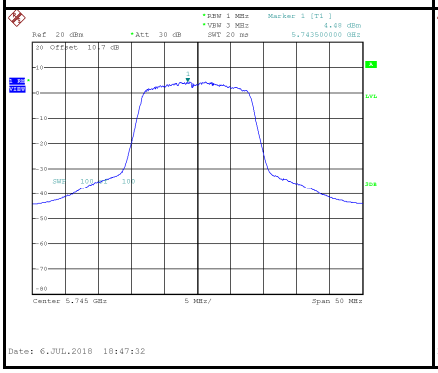
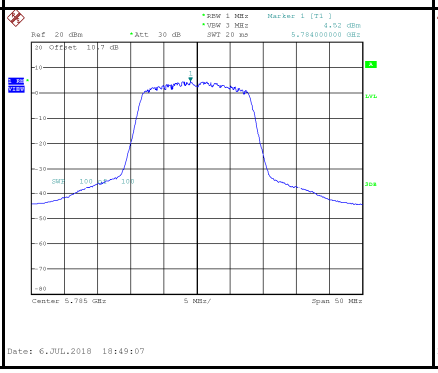
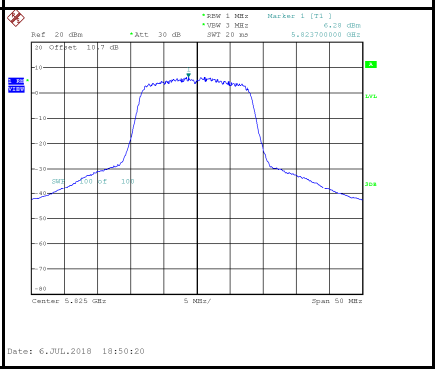
Test Mode	UNII-3_IEEE 802.11a_ANT 1

Frequency	Power Density (dBm/500 kHz)	Duty Factor (dB)	Power Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm)	Result
5745	4.85	0.24	5.09	29.19	Complies
5785	3.84	0.24	4.08	29.19	Complies
5825	5.88	0.24	6.12	29.19	Complies

5745 MHz	5785 MHz	5825 MHz
		

Test Mode	UNII-3_IEEE 802.11a_ANT 2

Frequency	Power Density (dBm/500 kHz)	Duty Factor (dB)	Power Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm)	Result
5745	4.48	0.24	4.72	29.19	Complies
5785	4.52	0.24	4.76	29.19	Complies
5825	6.28	0.24	6.52	29.19	Complies

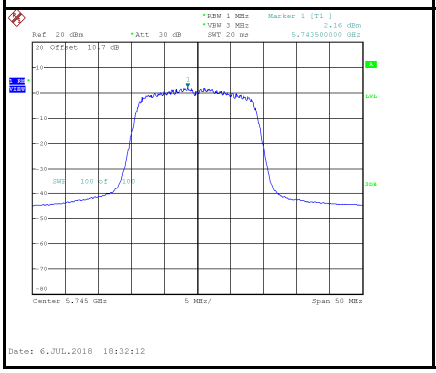
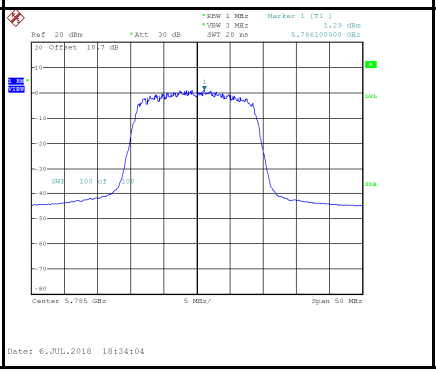
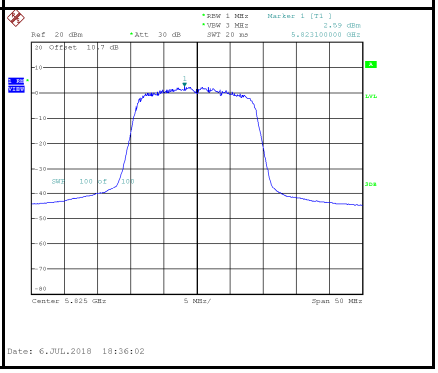
5745 MHz	5785 MHz	5825 MHz
		

Test Mode	UNII-3_IEEE 802.11a_Total

Frequency	Power Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm)	Result
5745	7.92	29.19	Complies
5785	7.45	29.19	Complies
5825	9.34	29.19	Complies

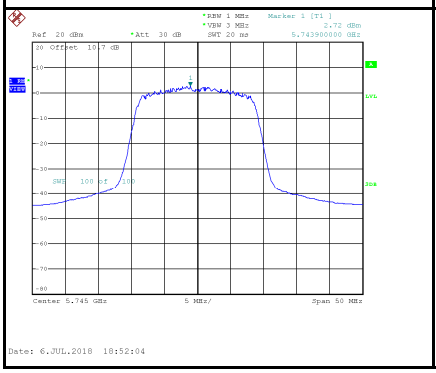
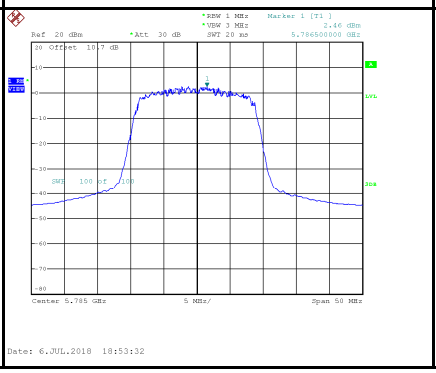
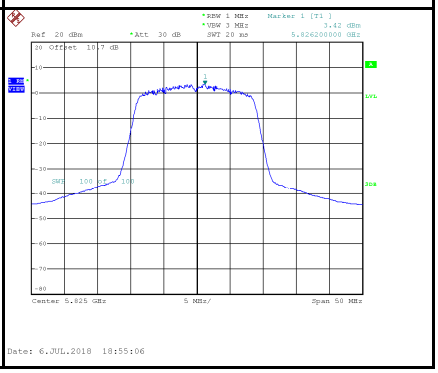
Test Mode	UNII-3_IEEE 802.11n (HT20)_ANT 1

Frequency	Power Density (dBm/500 kHz)	Duty Factor (dB)	Power Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm)	Result
5745	2.16	0.42	2.58	29.19	Complies
5785	1.29	0.42	1.71	29.19	Complies
5825	2.59	0.42	3.01	29.19	Complies

5745 MHz	5785 MHz	5825 MHz
		

Test Mode	UNII-3_IEEE 802.11n (HT20)_ANT 2

Frequency	Power Density (dBm/500 kHz)	Duty Factor (dB)	Power Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm)	Result
5745	2.72	0.42	3.14	29.19	Complies
5785	2.46	0.42	2.88	29.19	Complies
5825	3.42	0.42	3.84	29.19	Complies

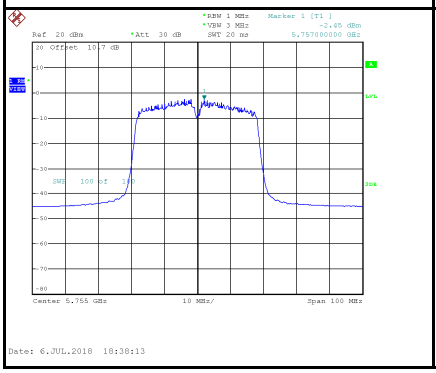
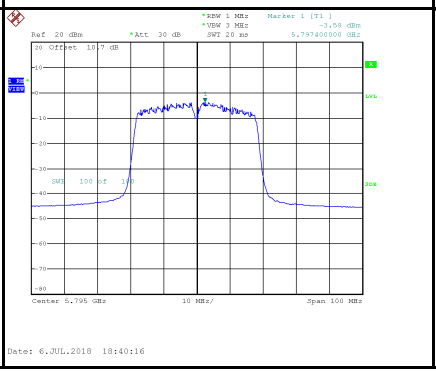
5745 MHz	5785 MHz	5825 MHz
		

Test Mode	UNII-3_IEEE 802.11n (HT20)_Total

Frequency	Power Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm)	Result
5745	5.88	29.19	Complies
5785	5.34	29.19	Complies
5825	6.45	29.19	Complies

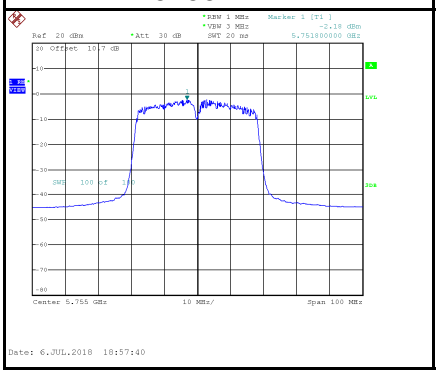
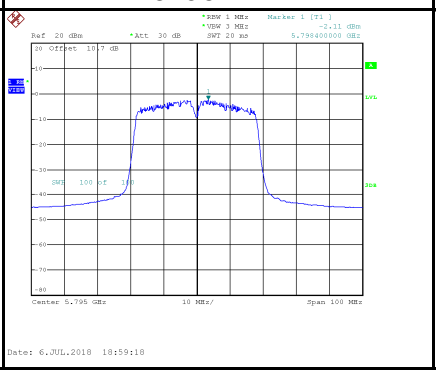
Test Mode	UNII-3_IEEE 802.11n (HT40)_ANT 1

Frequency	Power Density (dBm/500 kHz)	Duty Factor (dB)	Power Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm)	Result
5755	-2.45	1.05	-1.40	29.19	Complies
5795	-3.58	1.05	-2.53	29.19	Complies

5755 MHz	5795 MHz	
		

Test Mode	UNII-3_IEEE 802.11n (HT40)_ANT 2

Frequency	Power Density (dBm/500 kHz)	Duty Factor (dB)	Power Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm)	Result
5755	-2.18	1.05	-1.13	29.19	Complies
5795	-2.11	1.05	-1.06	29.19	Complies

5755 MHz	5795 MHz	
		

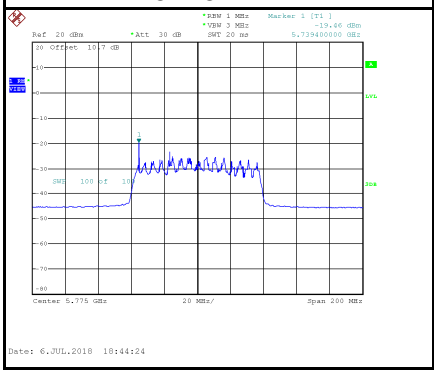
Test Mode	UNII-3_IEEE 802.11n (HT40)_Total

Frequency	Power Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm)	Result
5755	1.75	29.19	Complies
5795	1.28	29.19	Complies

Test Mode	UNII-3_IEEE 802.11ac (VHT80)_ANT 1

Frequency	Power Density (dBm/500 kHz)	Duty Factor (dB)	Power Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm)	Result
5775	-19.46	5.23	-14.23	29.19	Complies

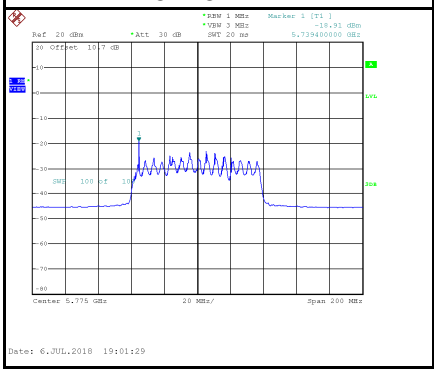
5775 MHz



Test Mode	UNII-3_IEEE 802.11ac (VHT80)_ANT 2

Frequency	Power Density (dBm/500 kHz)	Duty Factor (dB)	Power Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm)	Result
5775	-18.91	5.23	-13.68	29.19	Complies

5775 MHz



Test Mode	UNII-3_IEEE 802.11ac (VHT80)_Total

Frequency	Power Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm)	Result
5775	-10.94	29.19	Complies

APPENDIX H FREQUENCY STABILITY

CONTINUE ON NEXT PAGE

Test Mode	UNII-1

Voltage vs. Frequency Stability

Operating Frequency	5180
Voltage (V)	Measurement Frequency (MHz)
132	5179.9440
120	5179.9428
108	5179.9420
Maximum Deviation (MHz)	0.0580
Maximum Deviation (ppm)	11.1969

Temperature vs. Frequency Stability

Operating Frequency	5180
Temperature (°C)	Measurement Frequency (MHz)
0	5180.0036
10	5179.9676
20	5179.9736
30	5179.9412
40	5179.9396
Maximum Deviation (MHz)	0.0604
Maximum Deviation (ppm)	11.6602

Test Mode	UNII-3

Voltage vs. Frequency Stability

Operating Frequency	5745
Voltage (V)	Measurement Frequency (MHz)
132	5744.9328
120	5744.9276
108	5744.9276
Maximum Deviation (MHz)	0.0724
Maximum Deviation (ppm)	12.6023

Temperature vs. Frequency Stability

Operating Frequency	5745
Temperature (°C)	Measurement Frequency (MHz)
0	5744.9872
10	5744.9680
20	5744.9648
30	5744.9400
40	5744.9260
Maximum Deviation (MHz)	0.0740
Maximum Deviation (ppm)	12.8808

End of Test Report