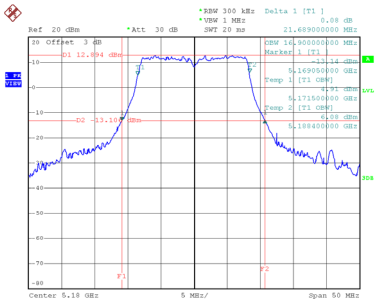
Test Mode	UNII-1_TX A Mode

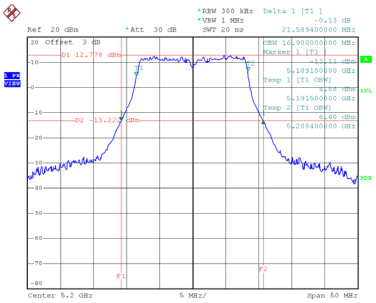
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
36	5180	21.69	16.90
40	5200	21.59	16.90
48	5240	21.69	16.90

CH36



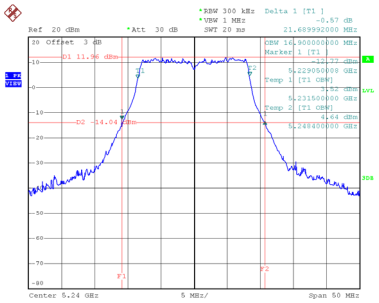
Date: 2.APR.2019 10:14:37

CH40



Date: 2.APR.2019 10:15:31

CH48

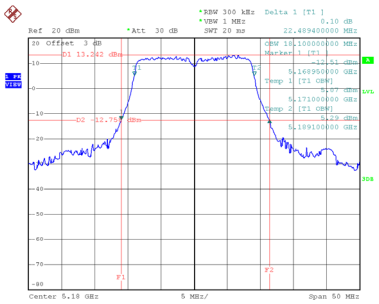


Date: 2.APR.2019 10:16:24

Test Mode	UNII-1_TX N (HT20) Mode

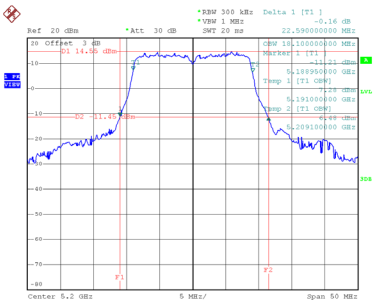
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
36	5180	22.49	18.10
40	5200	22.59	18.10
48	5240	22.29	18.10

CH36



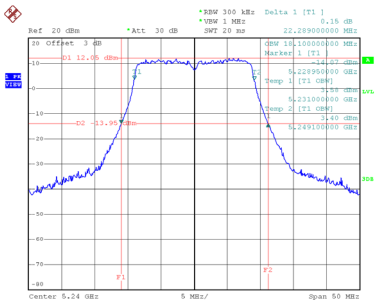
Date: 2.APR.2019 10:25:01

CH40



Date: 2.APR.2019 10:46:00

CH48

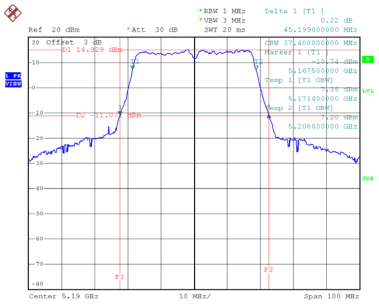


Date: 2.APR.2019 10:51:25

Test Mode	UNII-1_TX N (HT40) Mode

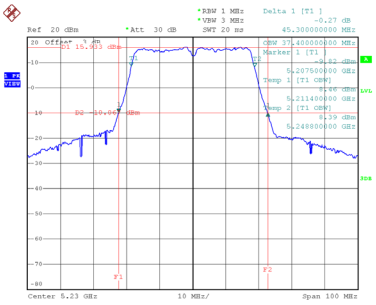
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
38	5190	45.20	37.40
46	5230	45.30	37.40

CH38



Date: 2.APR.2019 11:04:25

CH46

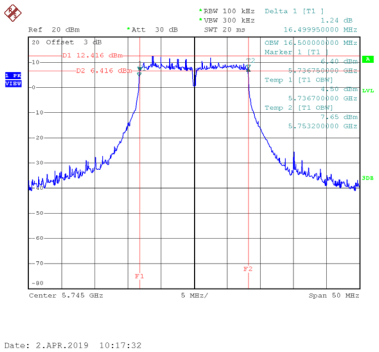


Date: 2.APR.2019 11:05:29

Test Mode	UNII-3_TX A Mode

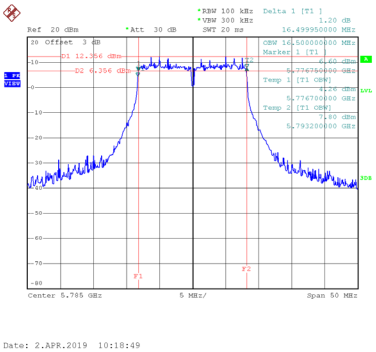
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
149	5745	16.50	16.50	500	Complies
157	5785	16.50	16.50	500	Complies
165	5825	16.50	16.40	500	Complies

CH149



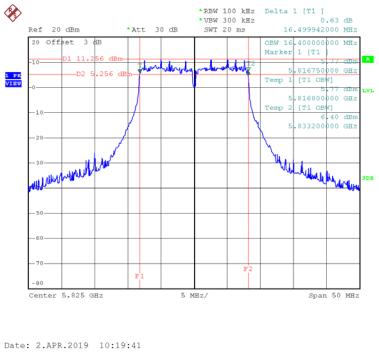
Date: 2.APR.2019 10:17:32

CH157



Date: 2.APR.2019 10:18:49

CH165

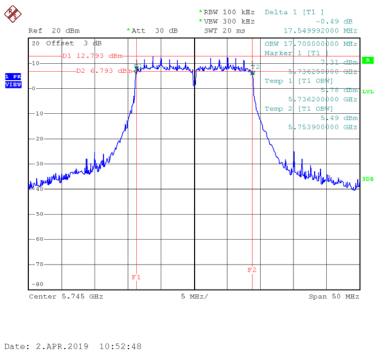


Date: 2.APR.2019 10:19:41

Test Mode	UNII-3_TX N (HT20) Mode

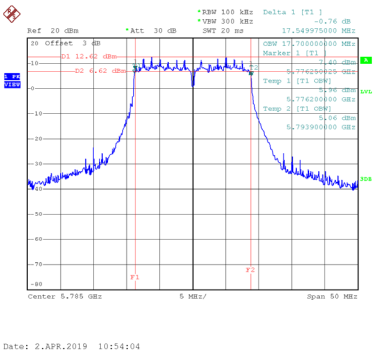
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
149	5745	17.55	17.70	500	Complies
157	5785	17.55	17.70	500	Complies
165	5825	17.69	17.70	500	Complies

CH149



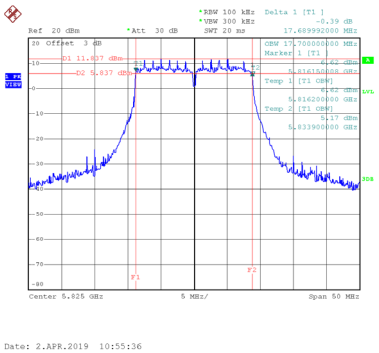
Date: 2.APR.2019 10:52:48

CH157



Date: 2.APR.2019 10:54:04

CH165

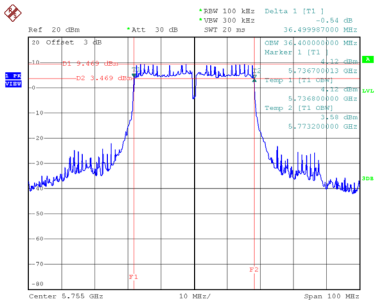


Date: 2.APR.2019 10:55:36

Test Mode	UNII-3_TX N (HT40) Mode

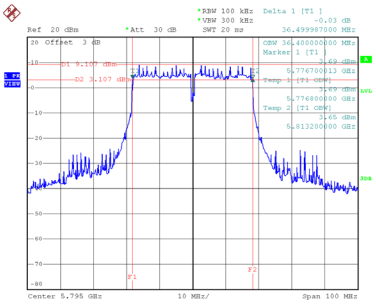
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
151	5755	36.50	36.40	500	Complies
159	5795	36.50	36.40	500	Complies

CH151



Date: 2.APR.2019 11:06:57

CH159

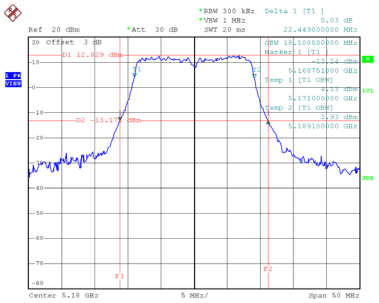


Date: 2.APR.2019 11:08:16

Test Mode	UNII-1_TX AC (VHT20) Mode

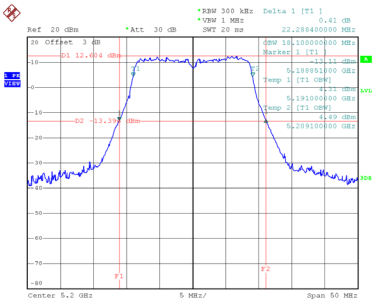
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
36	5180	22.45	18.10
40	5200	22.29	18.10
48	5240	22.39	18.10

CH36



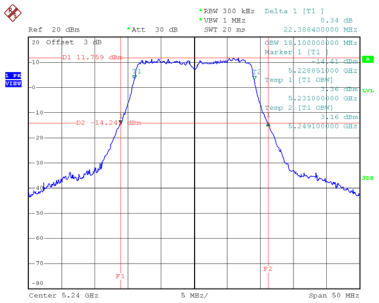
Date: 2.APR.2019 10:57:29

CH40



Date: 2.APR.2019 10:58:35

CH48

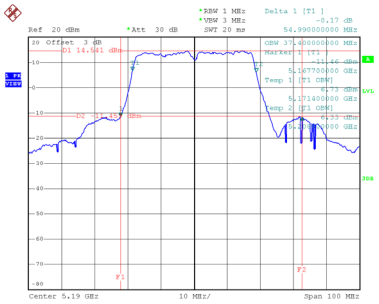


Date: 2.APR.2019 10:59:58

Test Mode	UNII-1_TX AC (VHT40) Mode

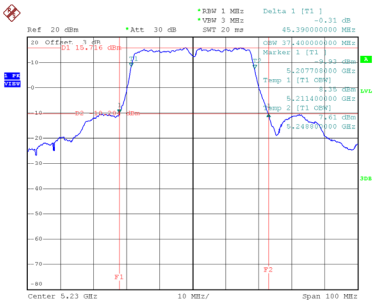
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
38	5190	54.99	37.40
46	5230	45.39	37.40

CH38



Date: 2.APR.2019 11:10:20

CH46

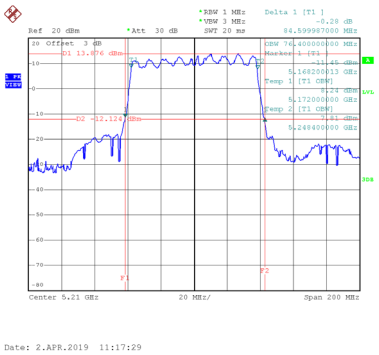


Date: 2.APR.2019 11:12:03

Test Mode	UNII-1_TX AC (VHT80)

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
42	5210	84.60	76.40

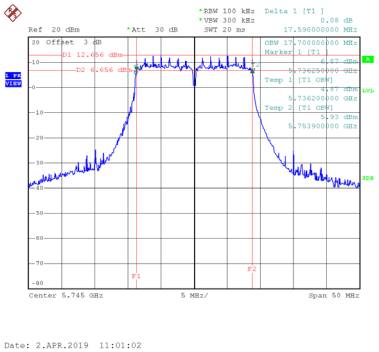
CH42



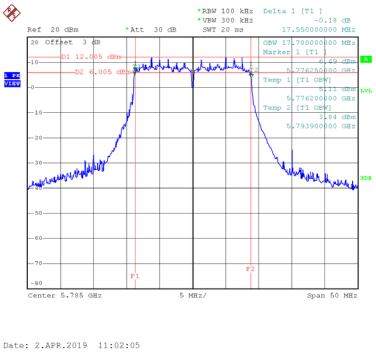
Test Mode	UNII-3_TX AC (VHT20) Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
149	5745	17.59	17.70	500	Complies
157	5785	17.55	17.70	500	Complies
165	5825	17.69	17.70	500	Complies

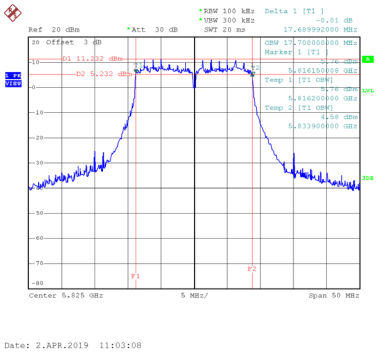
CH149



CH157



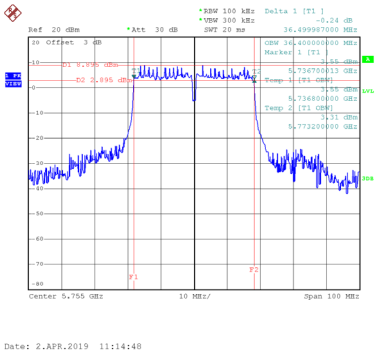
CH165



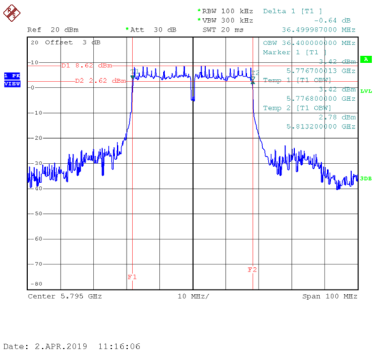
Test Mode	UNII-3_TX AC (VHT40) Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
151	5755	36.50	36.40	500	Complies
159	5795	36.50	36.40	500	Complies

CH151



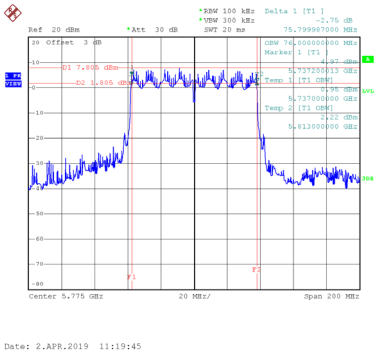
CH159



Test Mode	UNII-3_TX AC (VHT80)

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
155	5775	75.80	76.00	500	Complies

CH155



Date: 2.APR.2019 11:19:45

APPENDIX F - MAXIMIUM OUTPUT POWER

Test Mode	UNII-1_TX A Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	21.73	0.18	21.91	22.00	0.1585	Complies
40	5200	19.73	0.18	19.91	22.00	0.1585	Complies
48	5240	18.47	0.18	18.65	22.00	0.1585	Complies

Test Mode	UNII-1_TX N (HT20) Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	21.71	0.28	21.99	22.00	0.1585	Complies
40	5200	19.68	0.28	19.96	22.00	0.1585	Complies
48	5240	17.45	0.28	17.73	22.00	0.1585	Complies

Test Mode	UNII-1_TX N (HT40) Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	20.51	1.08	21.59	22.00	0.1585	Complies
46	5230	20.73	1.08	21.81	22.00	0.1585	Complies

Test Mode	UNII-3_TX A Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	21.76	0.18	21.94	22.00	0.1585	Complies
157	5785	21.72	0.18	21.90	22.00	0.1585	Complies
165	5825	21.68	0.18	21.86	22.00	0.1585	Complies

Test Mode	UNII-3_TX N (HT20) Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	21.41	0.28	21.69	22.00	0.1585	Complies
157	5785	21.43	0.28	21.71	22.00	0.1585	Complies
165	5825	21.52	0.28	21.80	22.00	0.1585	Complies

Test Mode	UNII-3_TX N (HT40) Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
151	5755	20.53	1.08	21.61	22.00	0.1585	Complies
159	5795	20.84	1.08	21.92	22.00	0.1585	Complies

Test Mode	UNII-1_TX AC (VHT20) Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	20.86	0.57	21.43	22.00	0.1585	Complies
40	5200	20.93	0.57	21.50	22.00	0.1585	Complies
48	5240	19.38	0.57	19.95	22.00	0.1585	Complies

Test Mode	UNII-1_TX AC (VHT40) Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	20.82	0.86	21.68	22.00	0.1585	Complies
46	5230	20.94	0.86	21.80	22.00	0.1585	Complies

Test Mode	UNII-1_TX AC (VHT80) Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
42	5210	20.12	1.59	21.71	22.00	0.1585	Complies

Test Mode	UNII-3_TX AC (VHT20) Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	21.41	0.57	21.98	22.00	0.1585	Complies
157	5785	21.34	0.57	21.91	22.00	0.1585	Complies
165	5825	21.35	0.57	21.92	22.00	0.1585	Complies

Test Mode	UNII-3_TX AC (VHT40) Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
151	5755	21.11	0.86	21.97	22.00	0.1585	Complies
159	5795	20.83	0.86	21.69	22.00	0.1585	Complies

Test Mode	UNII-3_TX AC (VHT80) Mode

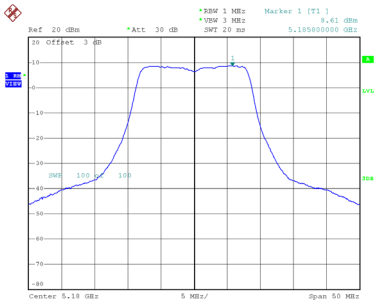
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
155	5775	20.32	1.59	21.91	22.00	0.1585	Complies

APPENDIX G - POWER SPECTRAL DENSITY

Test Mode	UNII-1_TX A Mode

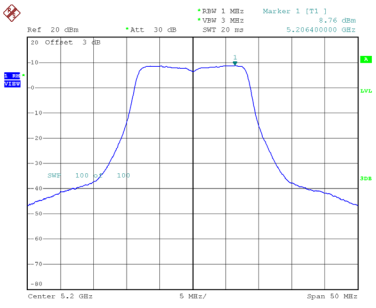
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	8.61	0.18	8.79	9.00	Complies
40	5200	8.76	0.18	8.94	9.00	Complies
48	5240	7.68	0.18	7.86	9.00	Complies

CH36



Date: 8.APR.2019 16:44:18

CH40



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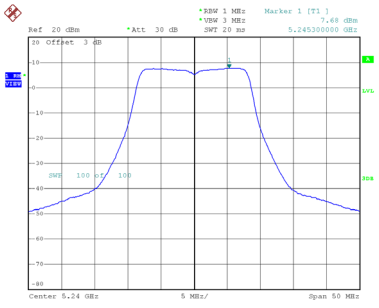
CH48

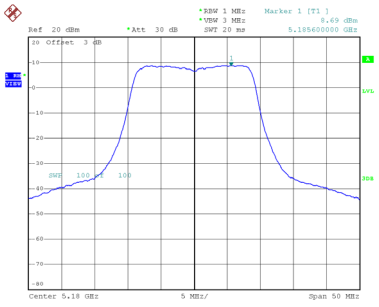


Date: 8.APR.2019 16:45:33

Test Mode	UNII-1_TX N (HT20) Mode

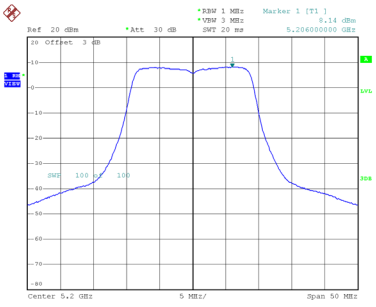
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	8.69	0.28	8.97	9.00	Complies
40	5200	8.14	0.28	8.42	9.00	Complies
48	5240	7.27	0.28	7.55	9.00	Complies

CH36



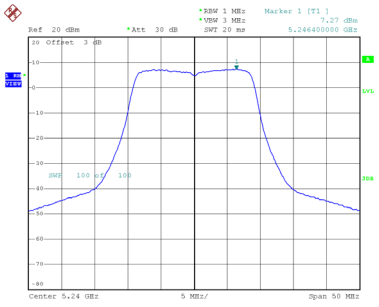
Date: 8.APR.2019 16:47:23

CH40



Date: 8.APR.2019 16:48:02

CH48

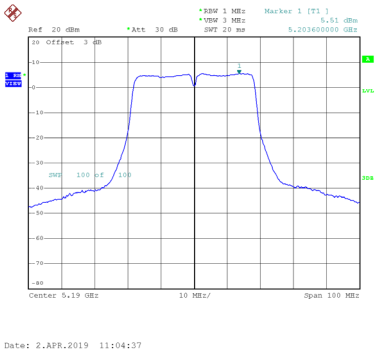


Date: 8.APR.2019 16:48:30

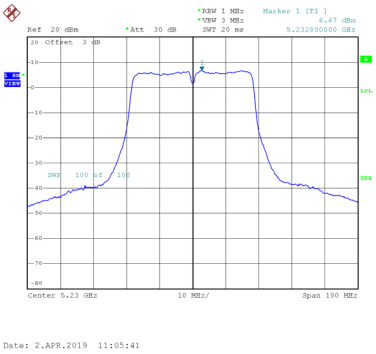
Test Mode	UNII-1_TX N (HT40) Mode

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	5.51	1.08	6.59	9.00	Complies
46	5230	6.67	1.08	7.75	9.00	Complies

CH38



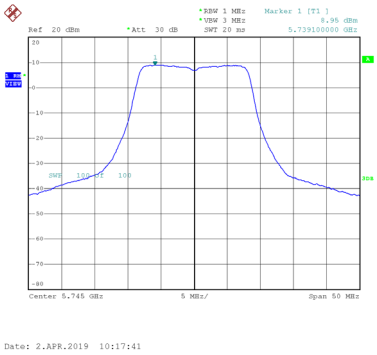
CH46



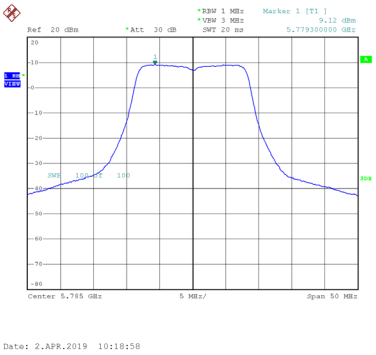
Test Mode	UNII-3_TX A Mode

Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	8.95	0.18	9.13	22.00	Complies
157	5785	9.12	0.18	9.30	22.00	Complies
165	5825	8.53	0.18	8.71	22.00	Complies

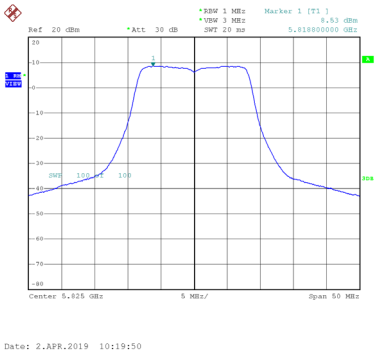
CH149



CH157



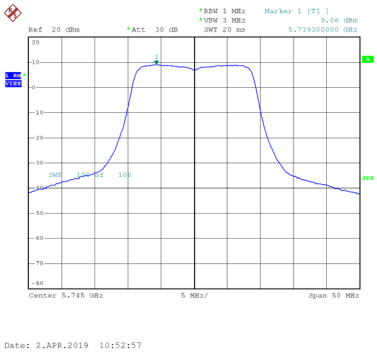
CH165



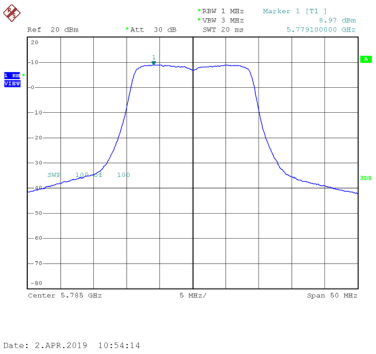
Test Mode	UNII-3_TX N (HT20) Mode

Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	9.06	0.28	9.34	22.00	Complies
157	5785	8.97	0.28	9.25	22.00	Complies
165	5825	8.44	0.28	8.72	22.00	Complies

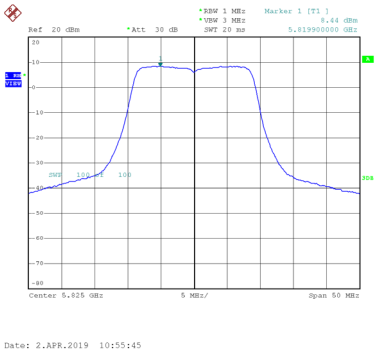
CH149



CH157



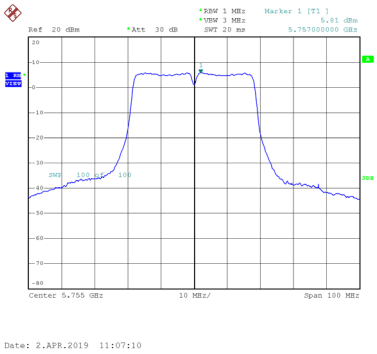
CH165



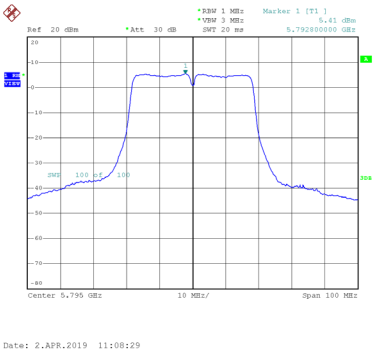
Test Mode	UNII-3_TX N (HT40) Mode

Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
151	5755	5.81	1.08	6.89	22.00	Complies
159	5795	5.41	1.08	6.49	22.00	Complies

CH151



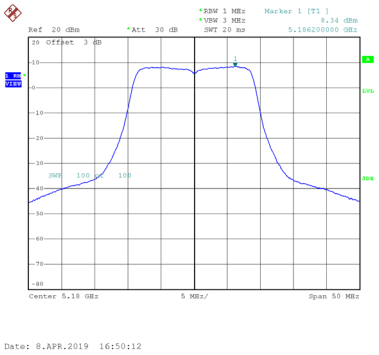
CH159



Test Mode	UNII-1_TX AC (VHT20) Mode

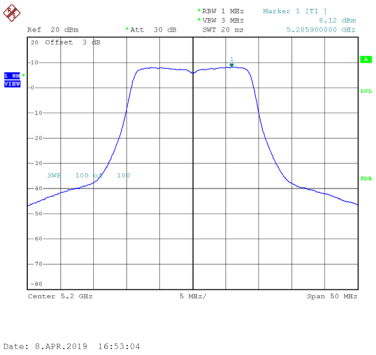
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	8.34	0.57	8.91	9.00	Complies
40	5200	8.12	0.57	8.69	9.00	Complies
48	5240	7.32	0.57	7.89	9.00	Complies

CH36



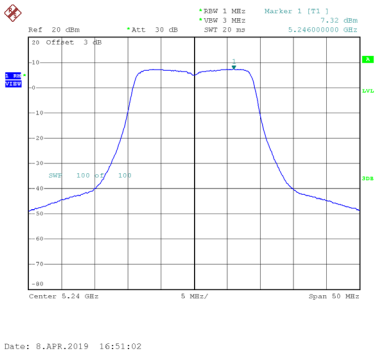
Date: 8.APR.2019 16:50:12

CH40



Date: 8.APR.2019 16:53:04

CH48

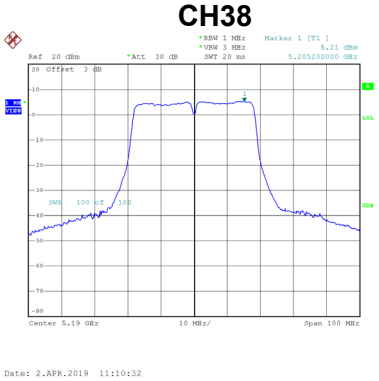


Date: 8.APR.2019 16:51:02

Test Mode	UNII-1_TX AC (VHT40) Mode

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	5.21	0.86	6.07	9.00	Complies
46	5230	6.60	0.86	7.46	9.00	Complies

CH38



Date: 2.APR.2019 11:10:32

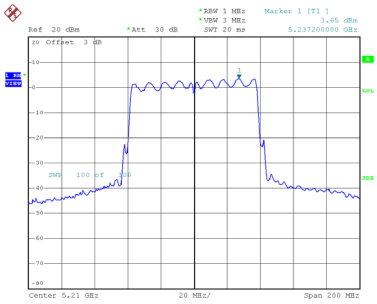
CH46

Date: 2.APR.2019 11:12:15

Test Mode	UNII-1_TX AC (VHT80) Mode

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210	3.65	1.59	5.24	9.00	Complies

CH42

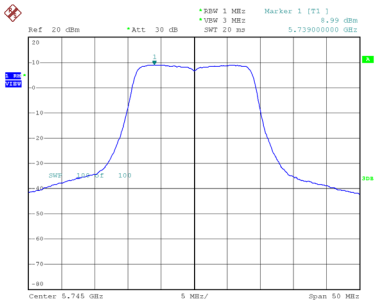


Date: 2.APR.2019 11:17:41

Test Mode	UNII-3_TX AC (VHT20) Mode

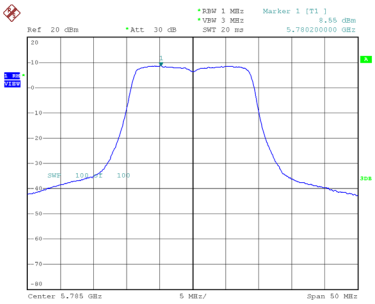
Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	8.99	0.57	9.56	22.00	Complies
157	5785	8.55	0.57	9.12	22.00	Complies
165	5825	8.08	0.57	8.65	22.00	Complies

CH149



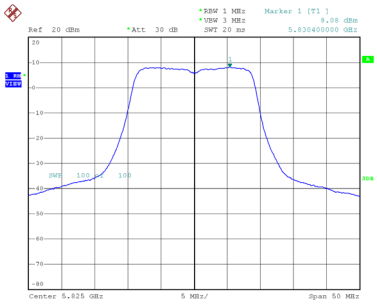
Date: 2.APR.2019 11:01:12

CH157



Date: 2.APR.2019 11:02:15

CH165

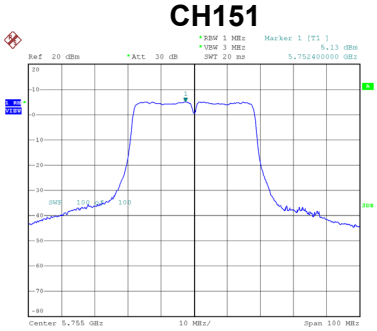


Date: 2.APR.2019 11:03:18

Test Mode	UNII-3_TX AC (VHT40) Mode

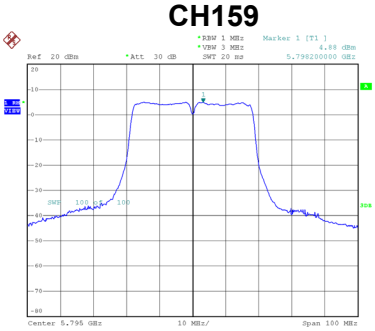
Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
151	5755	5.13	0.86	5.99	22.00	Complies
159	5795	4.88	0.86	5.74	22.00	Complies

CH151



Date: 2.APR.2019 11:15:00

CH159

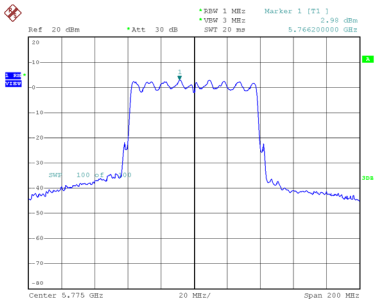


Date: 2.APR.2019 11:16:19

Test Mode	UNII-3_TX AC (VHT80) Mode

Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
155	5775	2.98	1.59	4.57	22.00	Complies

CH155



Date: 2.APR.2019 11:19:58

APPENDIX H - FREQUENCY STABILITY

Test Mode	UNII-1

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5180.0000
132	5179.9840
120	5179.9868
108	5179.9888
Maximum Deviation (MHz)	0.0160
Maximum Deviation (ppm)	3.0888

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(°C)	5180.0000
0	5179.9948
10	5179.9956
20	5179.9960
30	5179.9964
40	5179.9964
50	5179.9964
Maximum Deviation (MHz)	0.0080
Maximum Deviation (ppm)	1.5444

Test Mode	UNII-3

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5745.0000
132	5744.9964
120	5744.9952
108	5744.9924
Maximum Deviation (MHz)	0.0076
Maximum Deviation (ppm)	1.3229

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(°C)	5745.0000
0	5744.9804
10	5744.9796
20	5744.9792
30	5744.9788
40	5744.9784
50	5744.9784
Maximum Deviation (MHz)	0.0220
Maximum Deviation (ppm)	3.8294

End of Test Report