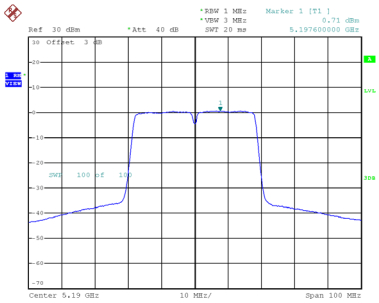
Test Mode	UNII-1_TX N (HT40) Mode_Ant. 1

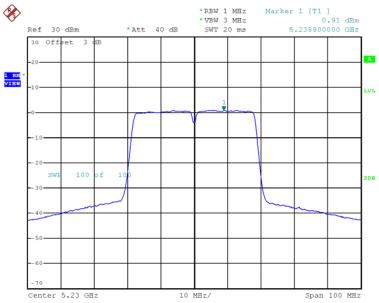
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	0.71	1.99	2.70	14.89	Complies
46	5230	0.91	1.99	2.90	14.89	Complies

CH38



Date: 20.MAY.2019 19:15:31

CH46

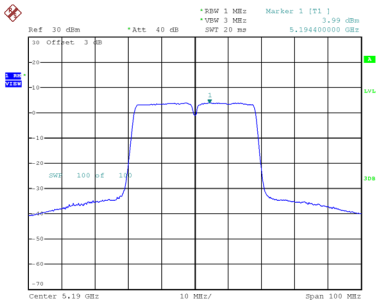


Date: 20.MAY.2019 19:25:40

Test Mode	UNII-1_TX N (HT40) Mode_Ant. 2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	3.99	1.99	5.98	14.89	Complies
46	5230	4.22	1.99	6.21	14.89	Complies

CH38



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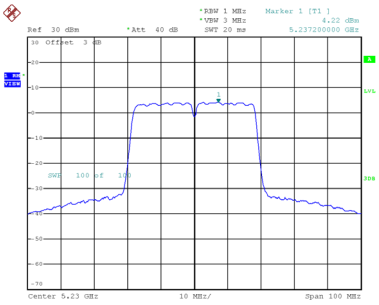
CH46

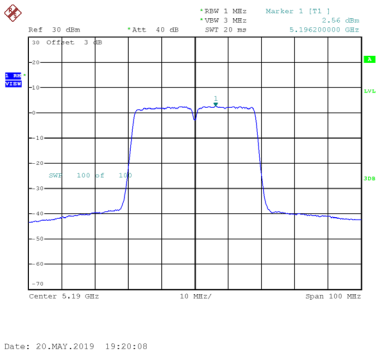


Date: 20.MAY.2019 19:22:57

Test Mode	UNII-1_TX N (HT40) Mode_Ant. 3

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	2.56	1.99	4.55	14.89	Complies
46	5230	2.42	1.99	4.41	14.89	Complies

CH38



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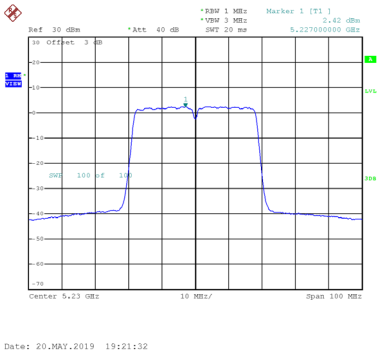
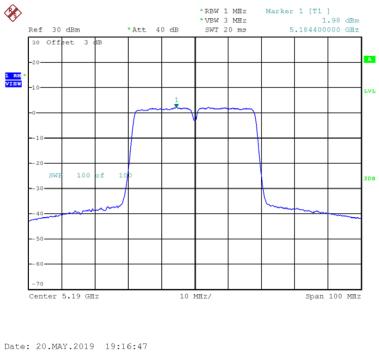


Test Mode	UNII-1_TX N (HT40) Mode_Ant. 4

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	1.98	1.99	3.97	14.89	Complies
46	5230	2.26	1.99	4.25	14.89	Complies

CH38



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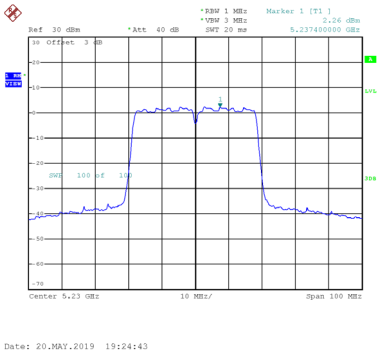


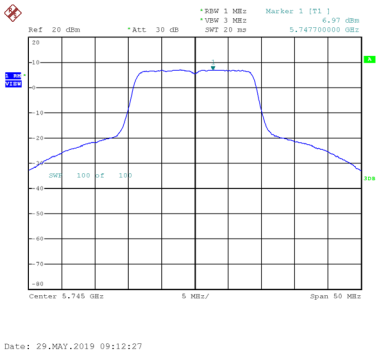
Test Mode	UNII-1_TX N (HT40) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	10.48	14.89	Complies
46	5230	10.63	14.89	Complies

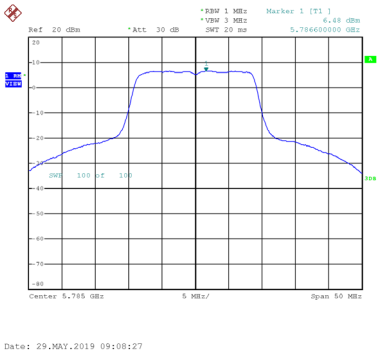
Test Mode	UNII-3_TX N (HT20) Mode_Ant. 1

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	6.97	1.02	7.99	27.89	Complies
157	5785	6.48	1.02	7.50	27.89	Complies
165	5825	6.16	1.02	7.18	27.89	Complies

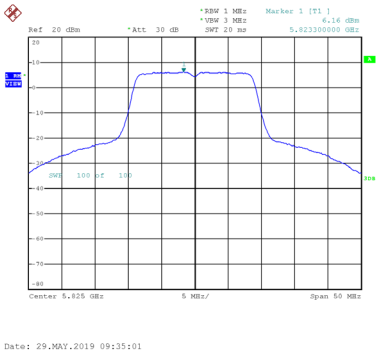
CH149



CH157



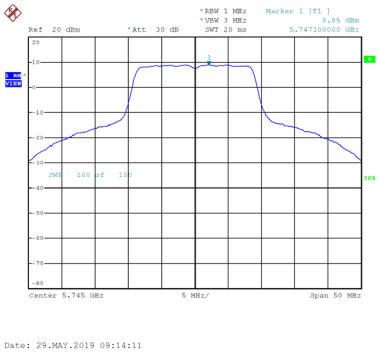
CH165



Test Mode	UNII-3_TX N (HT20) Mode_Ant. 2

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	8.85	1.02	9.87	27.89	Complies
157	5785	8.43	1.02	9.45	27.89	Complies
165	5825	8.44	1.02	9.46	27.89	Complies

CH149



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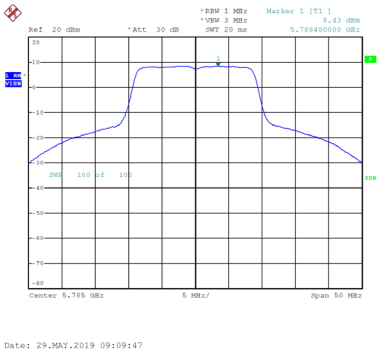
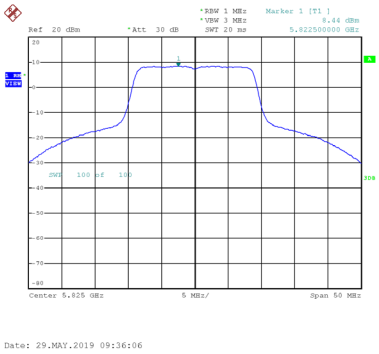


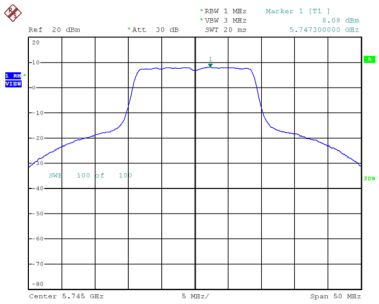
CH165



Test Mode	UNII-3_TX N (HT20) Mode_Ant. 3

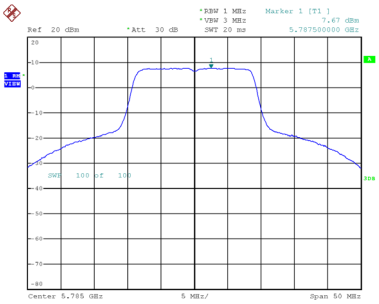
Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	8.08	1.02	9.10	27.89	Complies
157	5785	7.67	1.02	8.69	27.89	Complies
165	5825	7.52	1.02	8.54	27.89	Complies

CH149



Date: 29.MAY.2019 09:13:41

CH157



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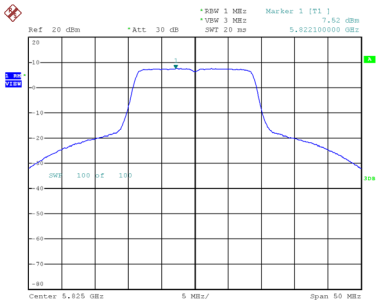
CH165

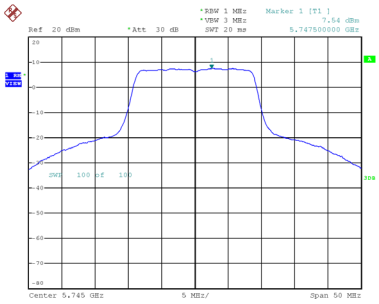


Date: 29.MAY.2019 09:35:35

Test Mode	UNII-3_TX N (HT20) Mode_Ant. 4

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	7.54	1.02	8.56	27.89	Complies
157	5785	7.15	1.02	8.17	27.89	Complies
165	5825	6.60	1.02	7.62	27.89	Complies

CH149



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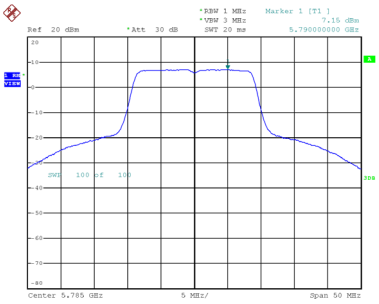
CH157



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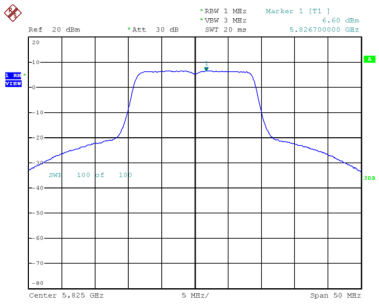
CH165



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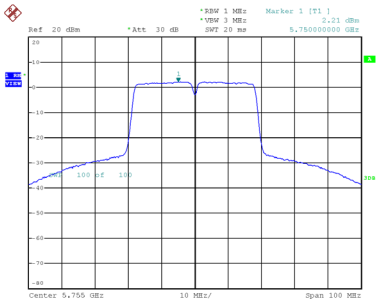
Test Mode	UNII-3_TX N (HT20) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	14.96	27.89	Complies
157	5785	14.53	27.89	Complies
165	5825	14.31	27.89	Complies

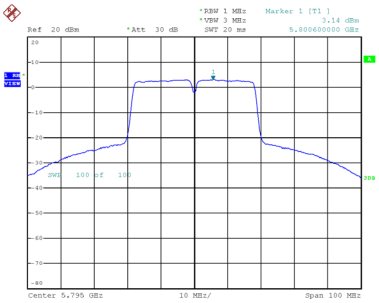
Test Mode	UNII-3_TX N (HT40) Mode_Ant. 1

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	2.21	1.99	4.20	27.89	Complies
159	5795	3.14	1.99	5.13	27.89	Complies

CH151



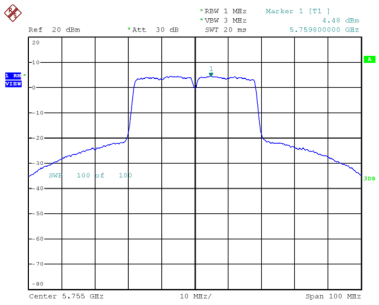
CH159



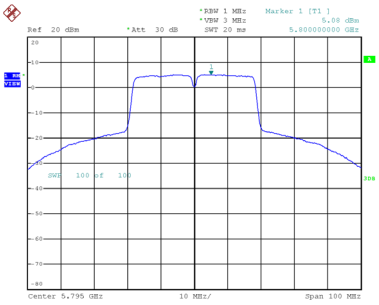
Test Mode	UNII-3_TX N (HT40) Mode_Ant. 2

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	4.48	1.99	6.47	27.89	Complies
159	5795	5.08	1.99	7.07	27.89	Complies

CH151



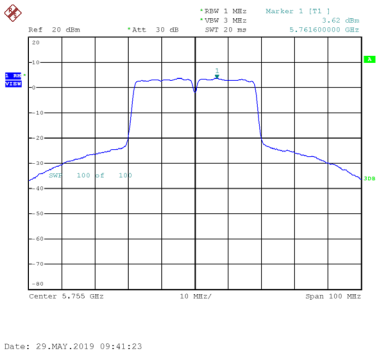
CH159



Test Mode	UNII-3_TX N (HT40) Mode_Ant. 3

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	3.62	1.99	5.61	27.89	Complies
159	5795	4.74	1.99	6.73	27.89	Complies

CH151



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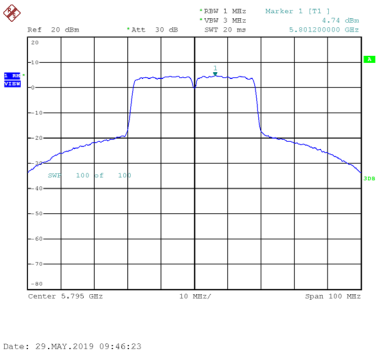
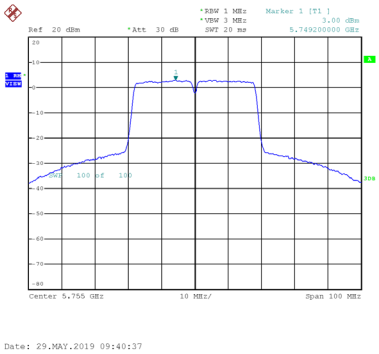


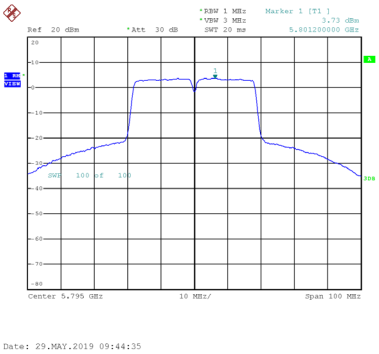
Test Mode	UNII-3_TX N (HT40) Mode_Ant. 4

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	3.00	1.99	4.99	27.89	Complies
159	5795	3.73	1.99	5.72	27.89	Complies

CH151



CH159



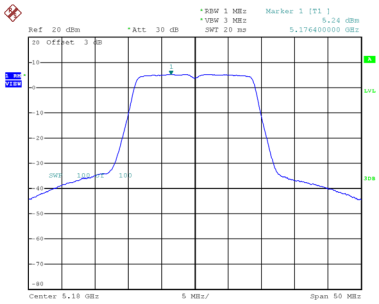
Test Mode	UNII-3_TX N (HT40) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
151	5755	11.42	27.89	Complies
159	5795	12.25	27.89	Complies

Test Mode	UNII-1_TX AC (VHT20) Mode_Ant. 1

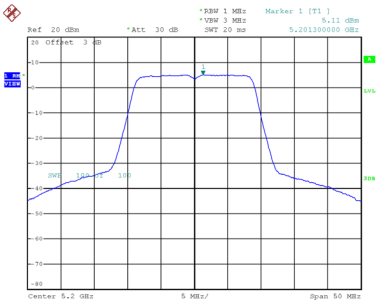
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	5.24	1.01	6.25	14.89	Complies
40	5200	5.11	1.01	6.12	14.89	Complies
48	5240	5.29	1.01	6.30	14.89	Complies

CH36



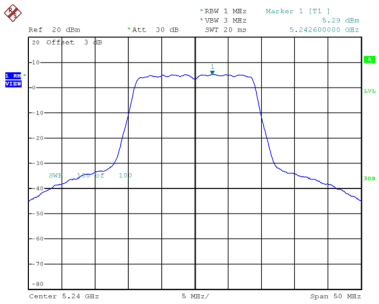
Date: 29.MAY.2019 09:51:06

CH40



Date: 29.MAY.2019 09:59:27

CH48

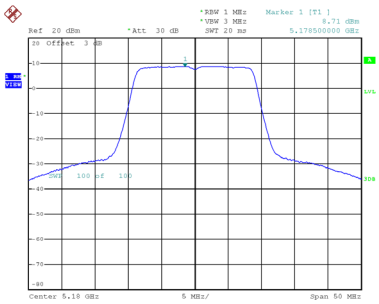


Date: 29.MAY.2019 10:02:01

Test Mode	UNII-1_TX AC (VHT20) Mode_Ant. 2

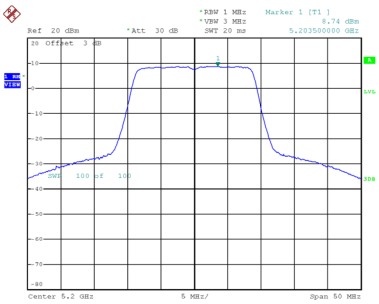
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	8.71	1.01	9.72	14.89	Complies
40	5200	8.74	1.01	9.75	14.89	Complies
48	5240	8.53	1.01	9.54	14.89	Complies

CH36



Date: 29.MAY.2019 09:53:13

CH40



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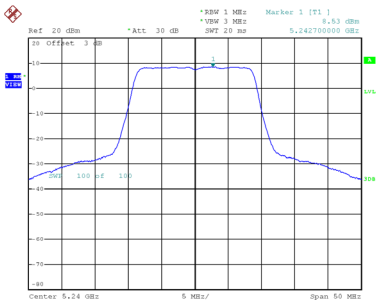
CH48

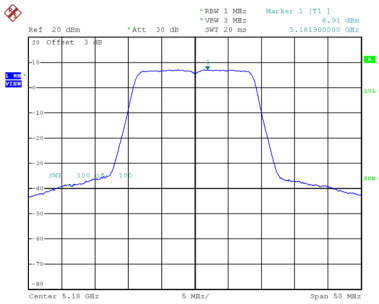


Date: 29.MAY.2019 10:03:17

Test Mode	UNII-1_TX AC (VHT20) Mode_Ant. 3

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	6.91	1.01	7.92	14.89	Complies
40	5200	7.06	1.01	8.07	14.89	Complies
48	5240	6.83	1.01	7.84	14.89	Complies

CH36



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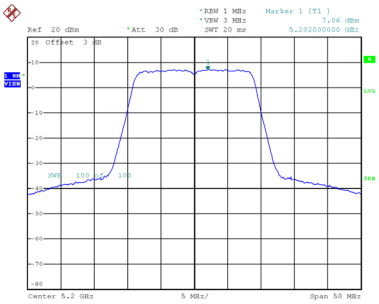
CH40



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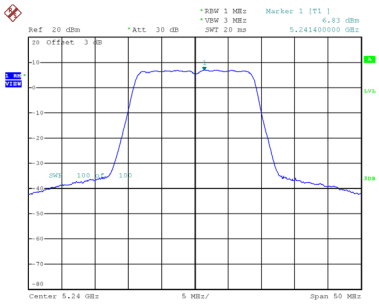
CH48

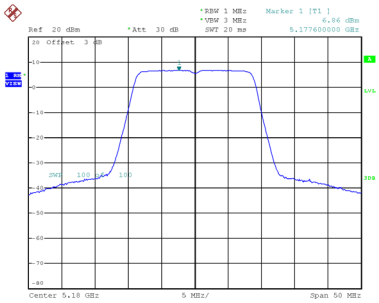


Date: 29.MAY.2019 10:02:56

Test Mode	UNII-1_TX AC (VHT20) Mode_Ant. 4

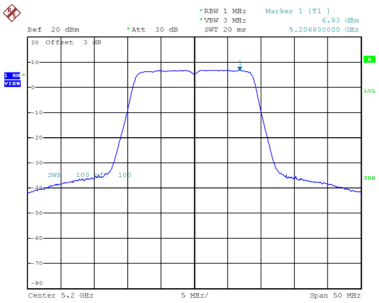
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	6.86	1.01	7.87	14.89	Complies
40	5200	6.83	1.01	7.84	14.89	Complies
48	5240	6.68	1.01	7.69	14.89	Complies

CH36



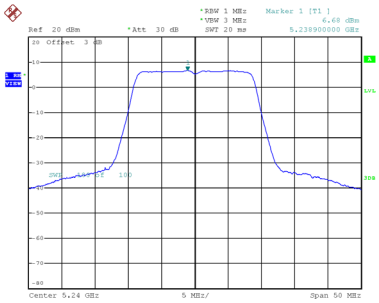
Date: 29.MAY.2019 09:52:14

CH40



Date: 29.MAY.2019 09:58:10

CH48



Date: 29.MAY.2019 10:02:28

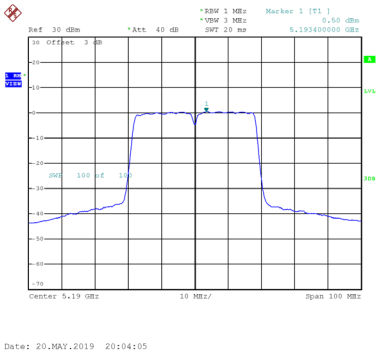
Test Mode	UNII-1_TX AC (VHT20) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	14.14	14.89	Complies
40	5200	14.16	14.89	Complies
48	5240	14.02	14.89	Complies

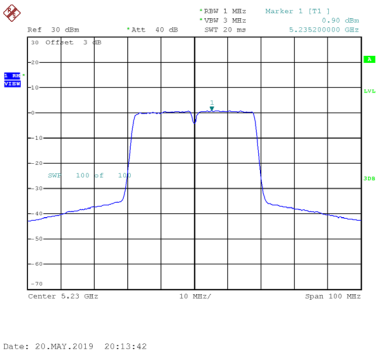
Test Mode	UNII-1_TX AC (VHT40) Mode_Ant. 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	0.50	1.99	2.49	14.89	Complies
46	5230	0.90	1.99	2.89	14.89	Complies

CH38



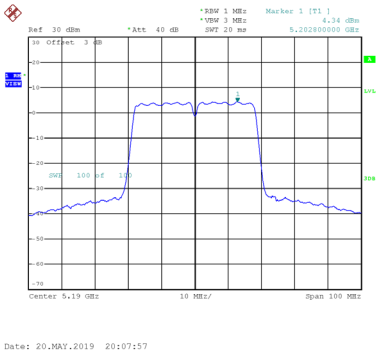
CH46



Test Mode	UNII-1_TX AC (VHT40) Mode_Ant. 2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	4.34	1.99	6.33	14.89	Complies
46	5230	4.11	1.99	6.10	14.89	Complies

CH38



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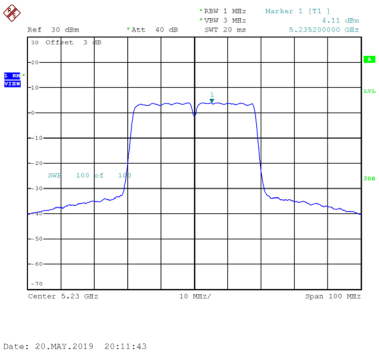
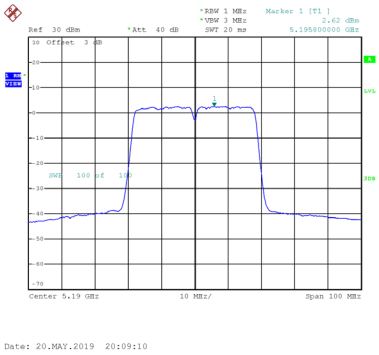


Test Mode	UNII-1_TX AC (VHT40) Mode_Ant. 3

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	2.62	1.99	4.61	14.89	Complies
46	5230	2.43	1.99	4.42	14.89	Complies

CH38



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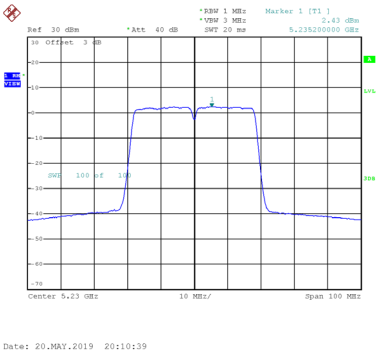
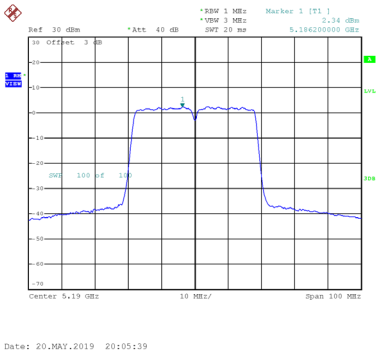


Test Mode	UNII-1_TX AC (VHT40) Mode_Ant. 4

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	2.34	1.99	4.33	14.89	Complies
46	5230	1.69	1.99	3.68	14.89	Complies

CH38



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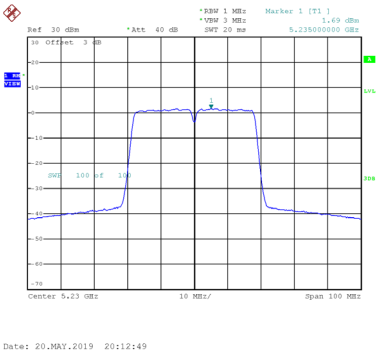


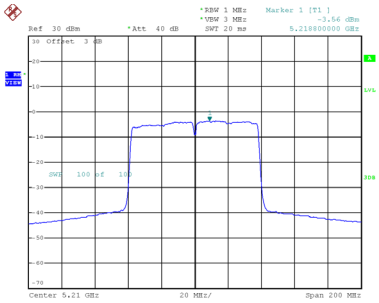
Test Mode	UNII-1_TX AC (VHT40) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	10.67	14.89	Complies
46	5230	10.46	14.89	Complies

Test Mode	UNII-1_TX AC (VHT80) Mode_Ant. 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210	-3.56	3.48	-0.08	14.89	Complies

CH42

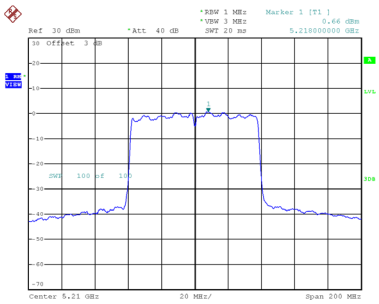


Date: 20.MAY.2019 20:34:12

Test Mode	UNII-1_TX AC (VHT80) Mode_Ant. 2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210	0.66	3.48	4.14	14.89	Complies

CH42

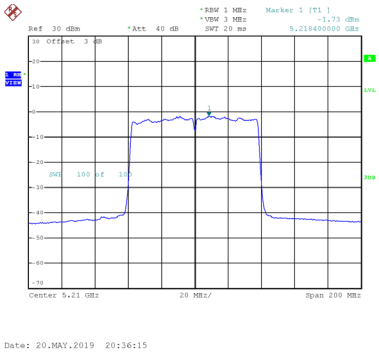


Date: 20.MAY.2019 20:35:34

Test Mode	UNII-1_TX AC (VHT80) Mode_Ant. 3

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210	-1.73	3.48	1.75	14.89	Complies

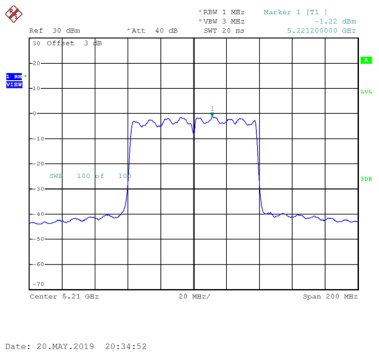
CH42



Test Mode	UNII-1_TX AC (VHT80) Mode_Ant. 4

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210	-1.22	3.48	2.26	14.89	Complies

CH42



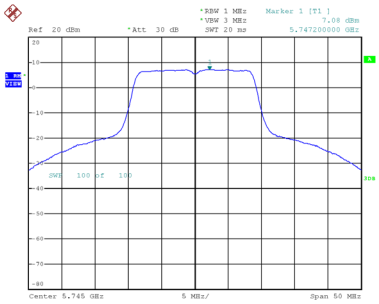
Test Mode	UNII-1_TX AC (VHT80) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210	8.30	14.89	Complies

Test Mode	UNII-3_TX AC (VHT20) Mode_Ant. 1

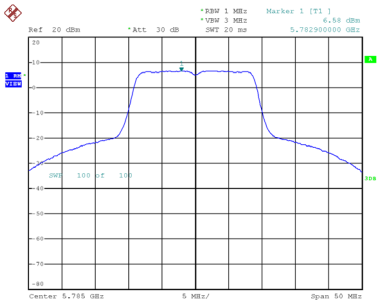
Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	7.08	1.01	8.09	27.89	Complies
157	5785	6.58	1.01	7.59	27.89	Complies
165	5825	5.99	1.01	7.00	27.89	Complies

CH149



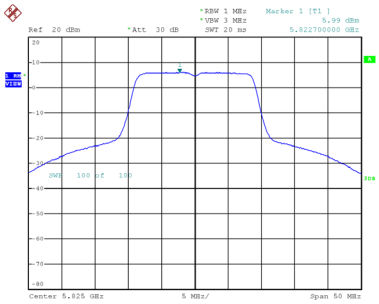
Date: 29.MAY.2019 10:06:12

CH157



Date: 29.MAY.2019 10:10:08

CH165

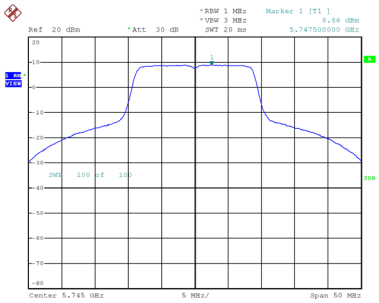


Date: 29.MAY.2019 10:15:09

Test Mode	UNII-3_TX AC (VHT20) Mode_Ant. 2

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	8.86	1.01	9.87	27.89	Complies
157	5785	8.62	1.01	9.63	27.89	Complies
165	5825	8.27	1.01	9.28	27.89	Complies

CH149



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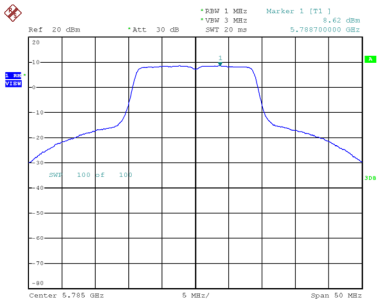
CH157



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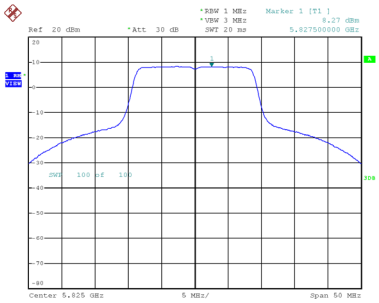
CH165

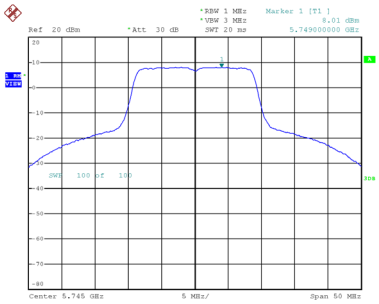


Date: 29.MAY.2019 10:16:07

Test Mode	UNII-3_TX AC (VHT20) Mode_Ant. 3

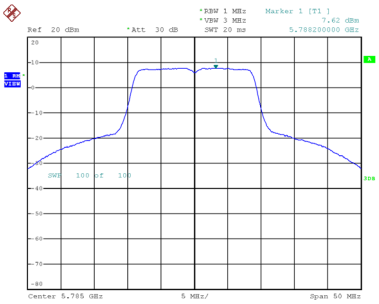
Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	8.01	1.01	9.02	27.89	Complies
157	5785	7.62	1.01	8.63	27.89	Complies
165	5825	7.58	1.01	8.59	27.89	Complies

CH149



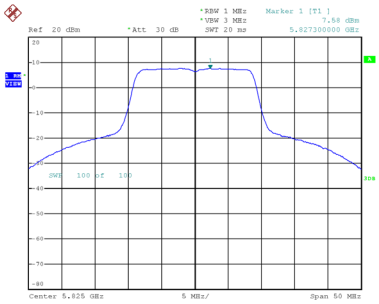
Date: 29.MAY.2019 10:06:57

CH157



Date: 29.MAY.2019 10:11:53

CH165

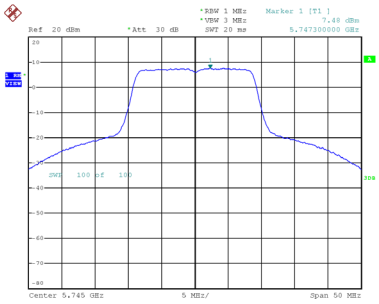


Date: 29.MAY.2019 10:15:44

Test Mode	UNII-3_TX AC (VHT20) Mode_Ant. 4

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	7.48	1.01	8.49	27.89	Complies
157	5785	7.11	1.01	8.12	27.89	Complies
165	5825	6.64	1.01	7.65	27.89	Complies

CH149



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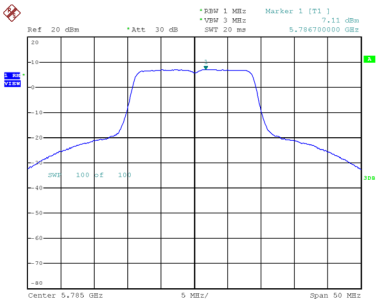
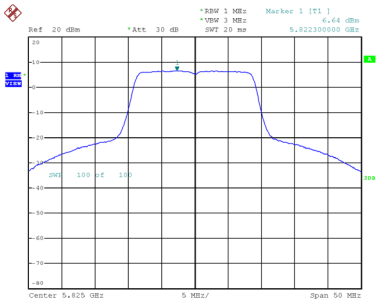
CH157



Date: 29.MAY.2019 10:11:04

CH165



Date: 29.MAY.2019 10:14:25

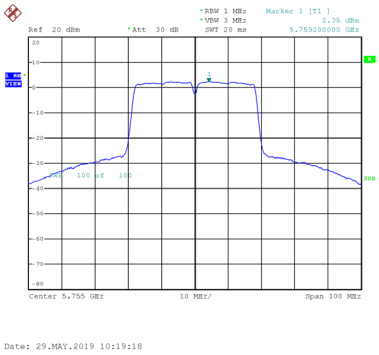
Test Mode	UNII-3_TX AC (VHT20) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	14.94	27.89	Complies
157	5785	14.58	27.89	Complies
165	5825	14.24	27.89	Complies

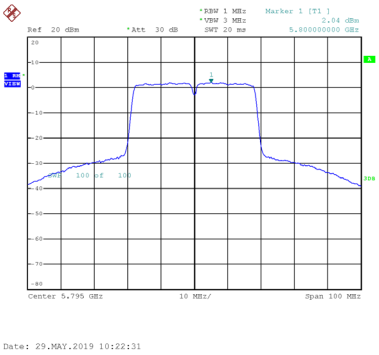
Test Mode	UNII-3_TX AC (VHT40) Mode_Ant. 1

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	2.35	1.99	4.34	27.89	Complies
159	5795	2.04	1.99	4.03	27.89	Complies

CH151



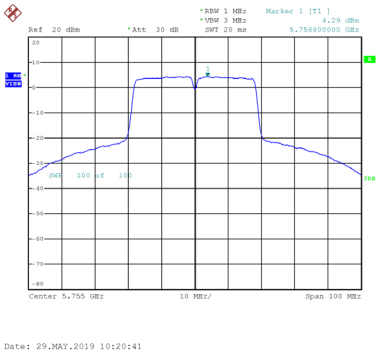
CH159



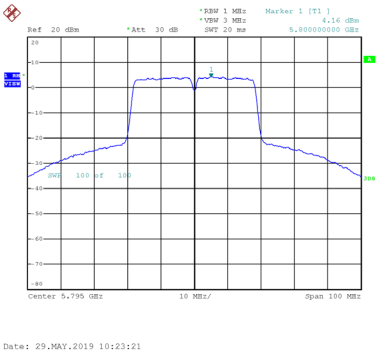
Test Mode	UNII-3_TX AC (VHT40) Mode_Ant. 2

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	4.29	1.99	6.28	27.89	Complies
159	5795	4.16	1.99	6.15	27.89	Complies

CH151



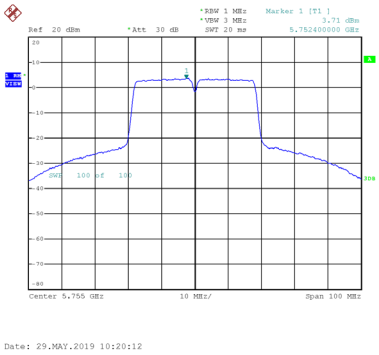
CH159



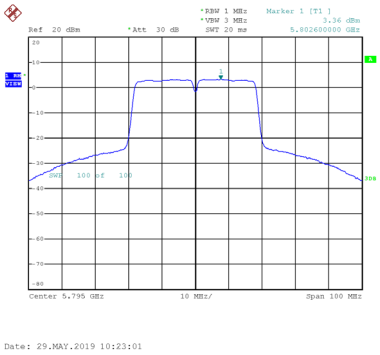
Test Mode	UNII-3_TX AC (VHT40) Mode_Ant. 3

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	3.71	1.99	5.70	27.89	Complies
159	5795	3.36	1.99	5.35	27.89	Complies

CH151



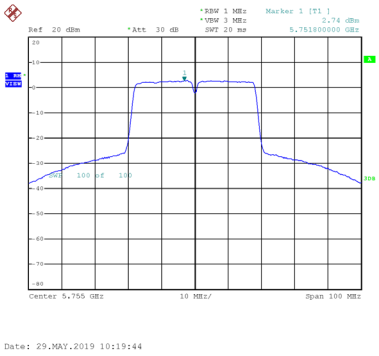
CH159



Test Mode	UNII-3_TX AC (VHT40) Mode_Ant. 4

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	2.74	1.99	4.73	27.89	Complies
159	5795	2.63	1.99	4.62	27.89	Complies

CH151



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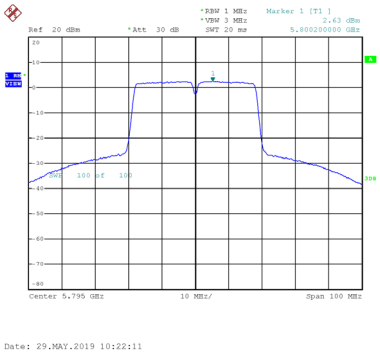


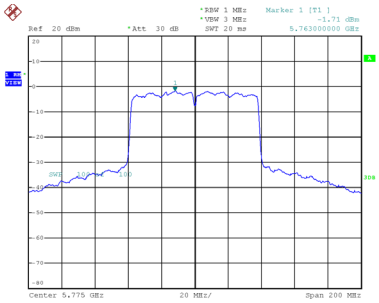
Test Mode	UNII-3_TX AC (VHT40) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
151	5755	11.35	27.89	Complies
159	5795	11.13	27.89	Complies

Test Mode	UNII-3_TX AC (VHT80) Mode_Ant. 1

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	-1.71	3.48	1.77	27.89	Complies

CH155

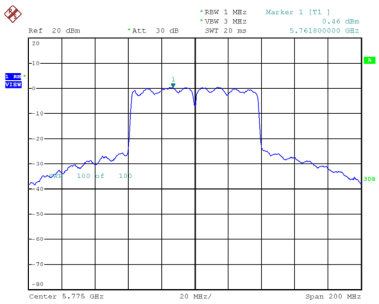


Date: 29.MAY.2019 10:25:38

Test Mode	UNII-3_TX AC (VHT80) Mode_Ant. 2

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	0.46	3.48	3.94	27.89	Complies

CH155

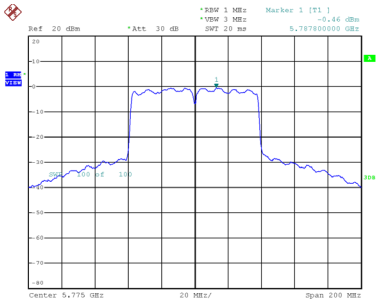


Date: 29.MAY.2019 10:27:45

Test Mode	UNII-3_TX AC (VHT80) Mode_Ant. 3

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	-0.46	3.48	3.02	27.89	Complies

CH155

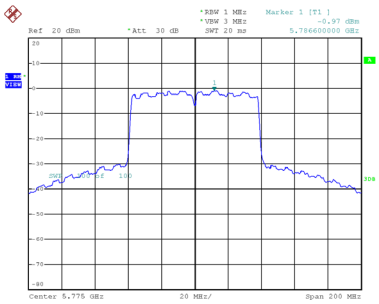


Date: 29.MAY.2019 10:27:17

Test Mode	UNII-3_TX AC (VHT80) Mode_Ant. 4

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	-0.97	3.48	2.51	27.89	Complies

CH155



Date: 29.MAY.2019 10:26:19

Test Mode	UNII-3_TX AC (VHT80) Mode_Total

Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
155	5775	8.91	27.89	Complies

APPENDIX H - FREQUENCY STABILITY

Test Mode	UNII-1

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5180.0000
132	5179.9999
120	5180.0150
108	5180.0150
Maximum Deviation (MHz)	0.0150
Maximum Deviation (ppm)	2.8982

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(°C)	5180.0000
0	5180.0000
10	5180.0000
20	5179.9999
30	5180.0000
40	5179.9999
Maximum Deviation (MHz)	0.0001
Maximum Deviation (ppm)	0.0241

Test Mode	UNII-3

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5745.0000
132	5745.0000
120	5744.9999
108	5744.9999
Maximum Deviation (MHz)	0.0001
Maximum Deviation (ppm)	0.0196

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(°C)	5745.0000
0	5744.9999
10	5744.9999
20	5745.0000
30	5745.0150
40	5745.0000
Maximum Deviation (MHz)	0.0150
Maximum Deviation (ppm)	2.6131

End of Test Report