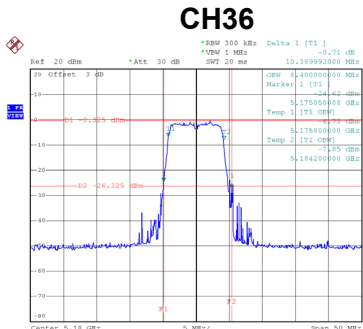
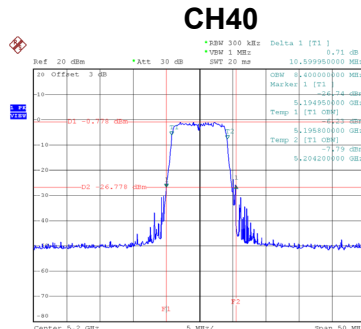


Test Mode	UNII-1_TX A (10M) Mode
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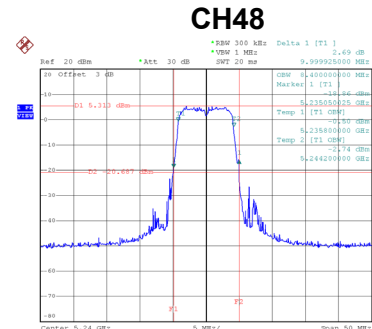
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
36	5180	10.39	8.40
40	5200	10.60	8.40
48	5240	10.00	8.40



Date: 14.JAN.2019 14:06:39



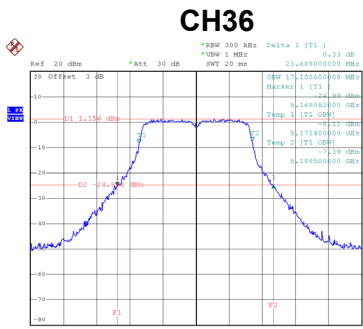
Date: 14.JAN.2019 14:10:05



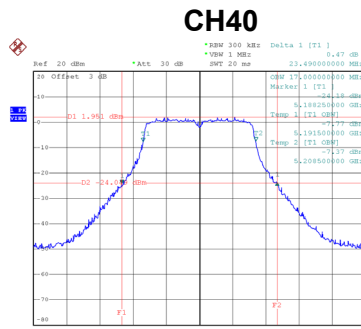
Date: 14.JAN.2019 14:13:51

Test Mode	UNII-1_TX A (20M) Mode
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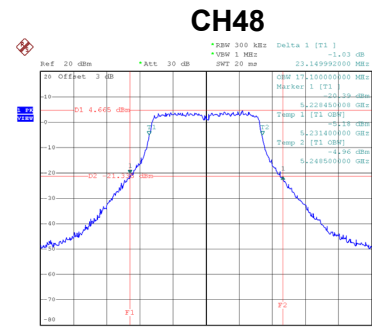
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
36	5180	23.69	17.10
40	5200	23.49	17.00
48	5240	23.15	17.10



Date: 14.JAN.2019 12:03:45



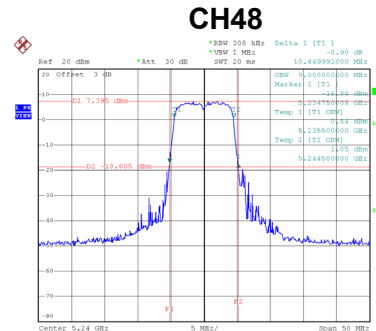
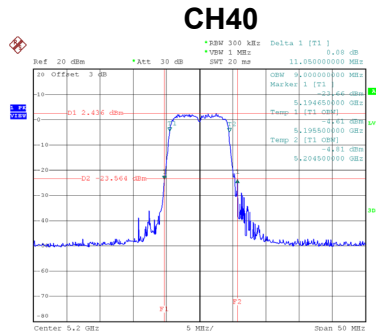
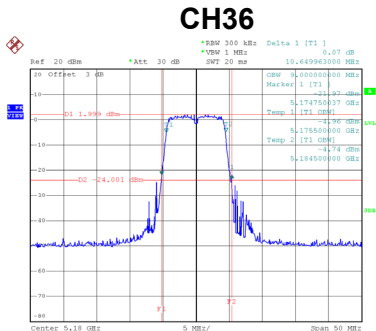
Date: 14.JAN.2019 12:04:35



Date: 14.JAN.2019 12:05:27

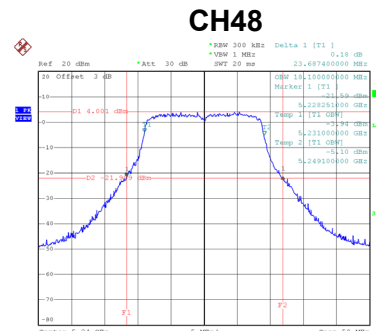
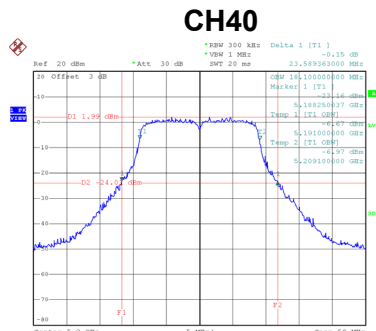
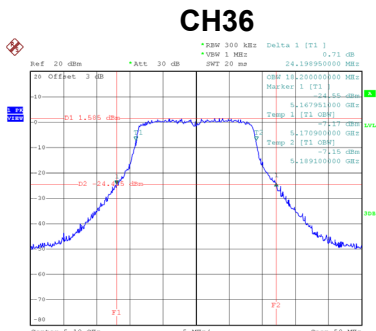
Test Mode	UNII-1_TX N (HT10) Mode
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Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
36	5180	10.65	9.00
40	5200	11.05	9.00
48	5240	10.45	9.00



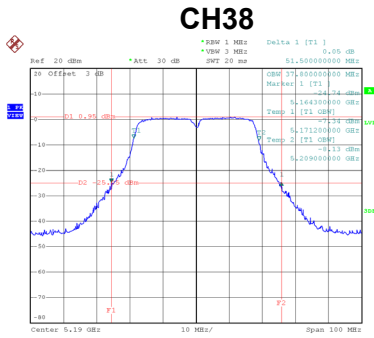
Test Mode	UNII-1_TX N (HT20) Mode
-----------	-------------------------

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
36	5180	24.20	18.20
40	5200	23.59	18.10
48	5240	23.69	18.10

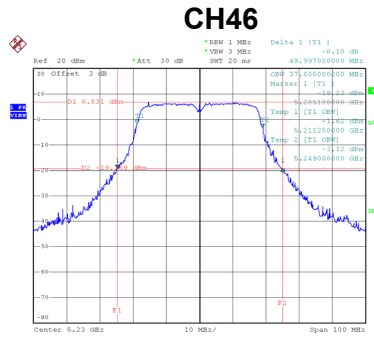


Test Mode	UNII-1_TX N (HT40) Mode
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Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)
38	5190	51.50	37.80
46	5230	50.00	37.80



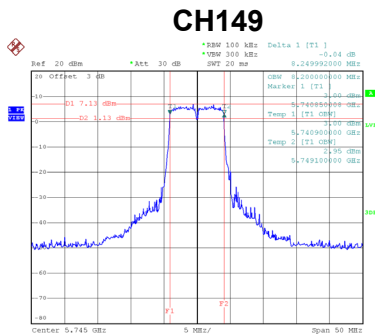
Date: 14.JAN.2019 11:52:27



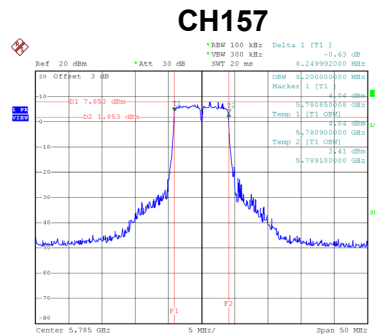
Date: 14.JAN.2019 11:53:40

Test Mode	UNII-3_TX A (10M) Mode
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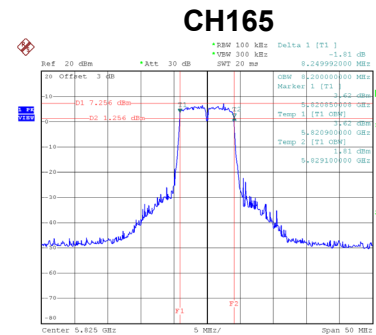
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
149	5745	8.25	8.20	500	Complies
157	5785	8.25	8.20	500	Complies
165	5825	8.25	8.20	500	Complies



Date: 14.JAN.2019 16:55:59



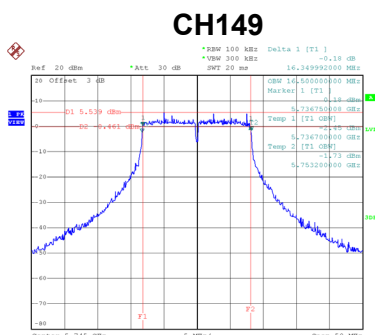
Date: 14.JAN.2019 16:57:14



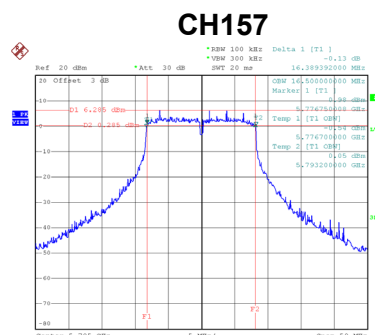
Date: 14.JAN.2019 16:58:41

Test Mode	UNII-3_TX A (20M) Mode
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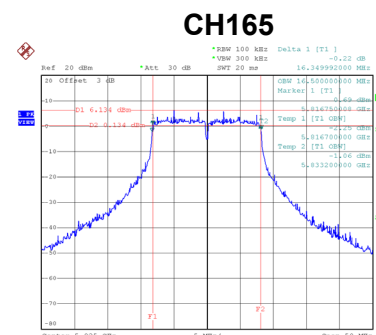
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
149	5745	16.35	16.50	500	Complies
157	5785	16.39	16.50	500	Complies
165	5825	16.35	16.50	500	Complies



Date: 14.JAN.2019 13:52:42



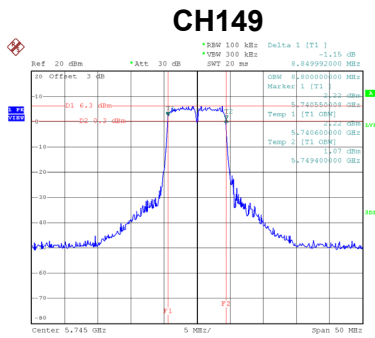
Date: 14.JAN.2019 13:53:50



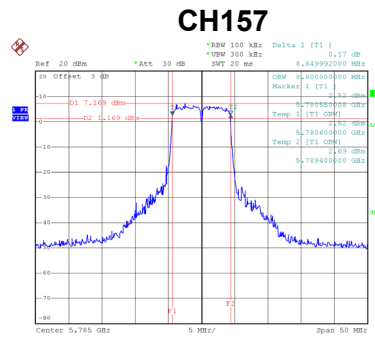
Date: 14.JAN.2019 13:54:52

Test Mode	UNII-3_TX N (HT10) Mode
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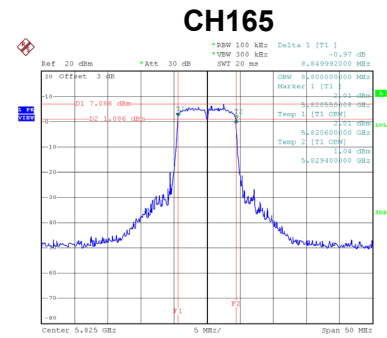
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
149	5745	8.85	8.80	500	Complies
157	5785	8.85	8.80	500	Complies
165	5825	8.85	8.80	500	Complies



Date: 14.JAN.2019 17:04:06



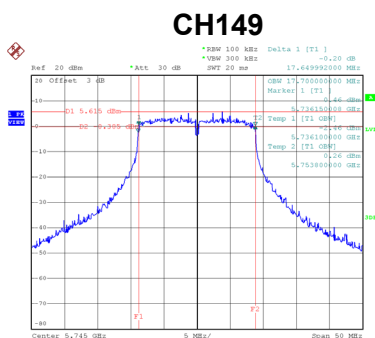
Date: 14.JAN.2019 17:05:11



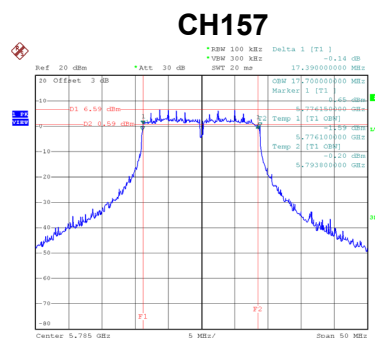
Date: 14.JAN.2019 17:06:11

Test Mode	UNII-3_TX N (HT20) Mode
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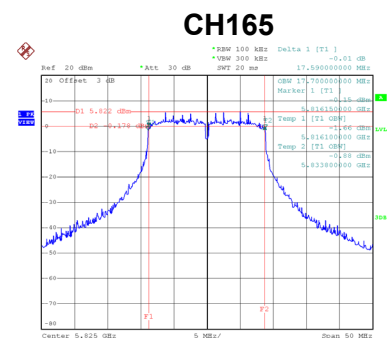
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
149	5745	17.65	17.70	500	Complies
157	5785	17.39	17.70	500	Complies
165	5825	17.59	17.70	500	Complies



Date: 14.JAN.2019 11:59:31



Date: 14.JAN.2019 12:00:31

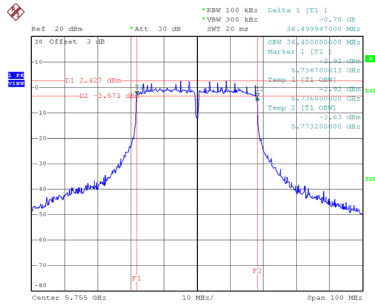


Date: 14.JAN.2019 12:01:25

Test Mode	UNII-3_TX N (HT40) Mode
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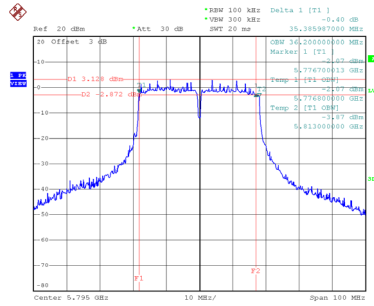
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Emission Bandwidth (MHz)	6 dB Bandwidth Min. Limit (kHz)	Result
151	5755	36.50	36.40	500	Complies
159	5795	35.39	36.20	500	Complies

CH151



Date: 14.JAN.2019 11:49:01

CH159



Date: 14.JAN.2019 11:50:07

APPENDIX F - CONDUCTED OUTPUT POWER

Test Mode	UNII-1_TX A (10M) Mode
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Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	7.22	0.00	7.22	30.00	1.00	Complies
40	5200	7.71	0.00	7.71	30.00	1.00	Complies
48	5240	12.39	0.00	12.39	30.00	1.00	Complies

Test Mode	UNII-1_TX A (20M) Mode
-----------	------------------------

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	10.49	0.00	10.49	30.00	1.00	Complies
40	5200	10.60	0.00	10.60	30.00	1.00	Complies
48	5240	12.54	0.00	12.54	30.00	1.00	Complies

Test Mode	UNII-1_TX N (HT10) Mode
-----------	-------------------------

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	7.98	0.00	7.98	30.00	1.00	Complies
40	5200	8.15	0.00	8.15	30.00	1.00	Complies
48	5240	12.28	0.00	12.28	30.00	1.00	Complies

Test Mode	UNII-1_TX N (HT20) Mode
-----------	-------------------------

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	10.42	0.00	10.42	30.00	1.00	Complies
40	5200	10.56	0.00	10.56	30.00	1.00	Complies
48	5240	12.48	0.00	12.48	30.00	1.00	Complies

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

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	7.59	0.11	7.70	30.00	1.00	Complies
46	5230	12.75	0.11	12.86	30.00	1.00	Complies

Test Mode	UNII-3_TX A (10M) Mode
-----------	------------------------

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	17.35	0.00	17.35	30.00	1.00	Complies
157	5785	17.28	0.00	17.28	30.00	1.00	Complies
165	5825	16.91	0.00	16.91	30.00	1.00	Complies

Test Mode	UNII-3_TX A (20M) Mode
-----------	------------------------

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	17.39	0.00	17.39	30.00	1.00	Complies
157	5785	17.03	0.00	17.03	30.00	1.00	Complies
165	5825	17.01	0.00	17.01	30.00	1.00	Complies

Test Mode	UNII-3_TX N (HT10) Mode
-----------	-------------------------

Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	17.21	0.00	17.21	30.00	1.00	Complies
157	5785	16.87	0.00	16.87	30.00	1.00	Complies
165	5825	16.72	0.00	16.72	30.00	1.00	Complies

Test Mode	UNII-3_TX N (HT20) Mode
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Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	17.33	0.00	17.33	30.00	1.00	Complies
157	5785	17.08	0.00	17.08	30.00	1.00	Complies
165	5825	16.66	0.00	16.66	30.00	1.00	Complies

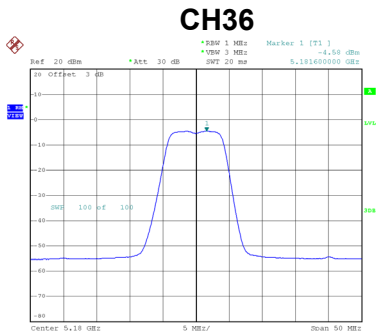
Test Mode	UNII-3_TX N (HT40) Mode
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Channel	Frequency (MHz)	Conducted Output Power (dBm)	Duty Factor	Conducted Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
151	5755	17.25	0.11	17.36	30.00	1.00	Complies
159	5795	16.75	0.11	16.86	30.00	1.00	Complies

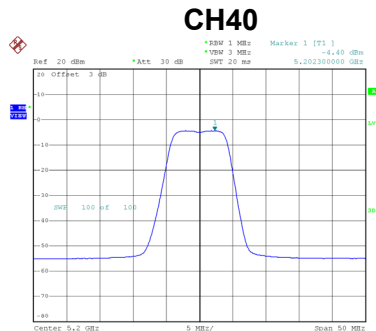
APPENDIX G - POWER SPECTRAL DENSITY

Test Mode	UNII-1_TX A (10M) Mode
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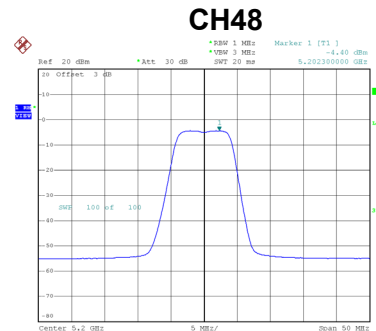
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	-4.58	0.00	-4.58	17.00	Complies
40	5200	-4.40	0.00	-4.40	17.00	Complies
48	5240	-4.40	0.00	-4.40	17.00	Complies



Date: 14.JAN.2019 14:06:04



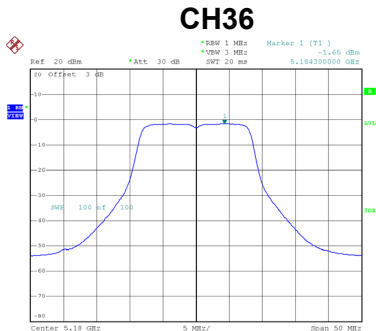
Date: 14.JAN.2019 14:09:29



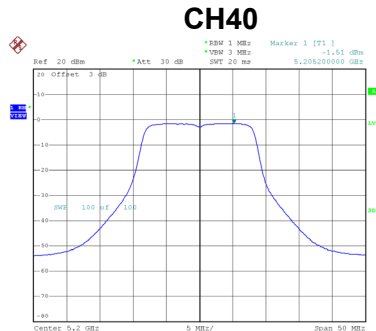
Date: 14.JAN.2019 14:09:29

Test Mode	UNII-1_TX A (20M) Mode
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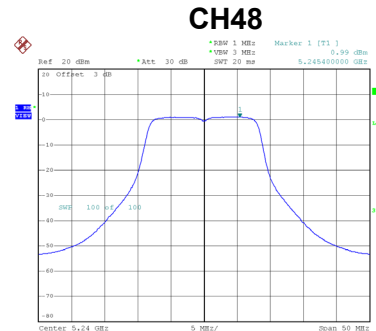
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	-1.65	0.00	-1.65	17.00	Complies
40	5200	-1.51	0.00	-1.51	17.00	Complies
48	5240	0.99	0.00	0.99	17.00	Complies



Date: 14.JAN.2019 12:03:55



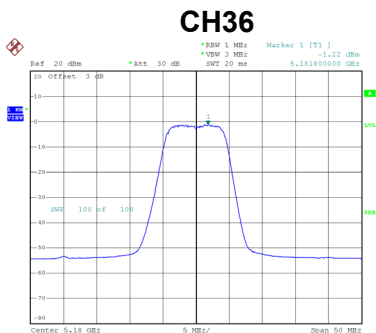
Date: 14.JAN.2019 12:04:45



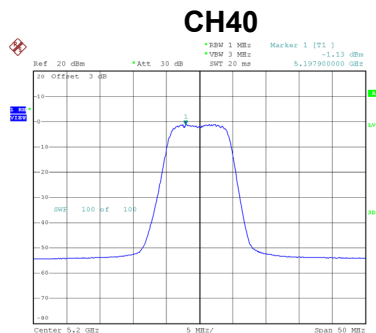
Date: 14.JAN.2019 12:05:36

Test Mode	UNII-1_TX N (HT10) Mode
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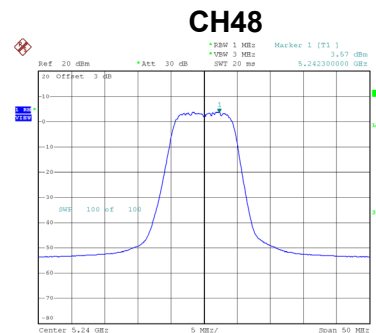
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	-1.22	0.00	-1.22	17.00	Complies
40	5200	-1.13	0.00	-1.13	17.00	Complies
48	5240	3.57	0.00	3.57	17.00	Complies



Date: 14.JAN.2019 17:00:48



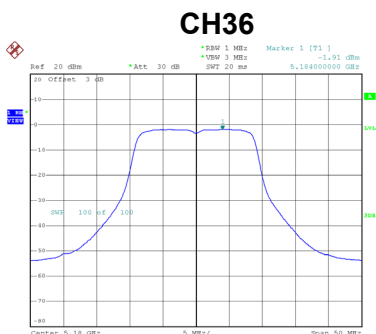
Date: 14.JAN.2019 17:01:54



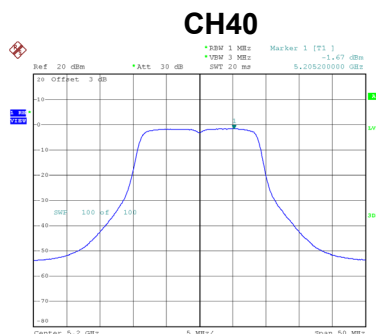
Date: 14.JAN.2019 17:03:02

Test Mode	UNII-1_TX N (HT20) Mode
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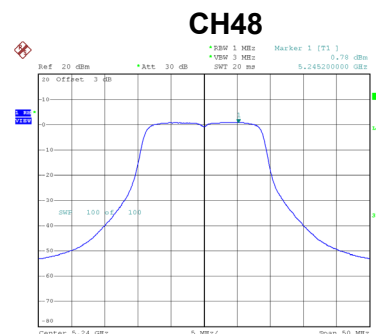
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	-1.91	0.00	-1.91	17.00	Complies
40	5200	-1.67	0.00	-1.67	17.00	Complies
48	5240	0.78	0.00	0.78	17.00	Complies



Date: 14.JAN.2019 11:56:16



Date: 14.JAN.2019 11:57:19

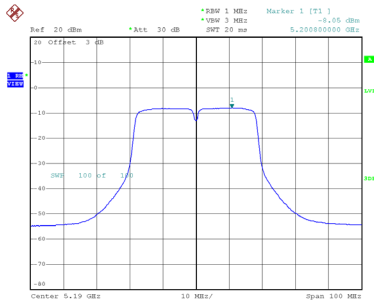


Date: 14.JAN.2019 11:58:29

Test Mode	UNII-1_TX N (HT40) Mode
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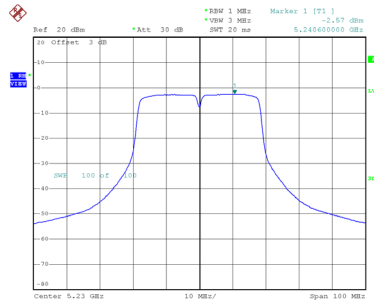
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	-8.05	0.11	-7.94	17.00	Complies
46	5230	-2.57	0.11	-2.46	17.00	Complies

CH38



Date: 14,JAN,2019 11:52:40

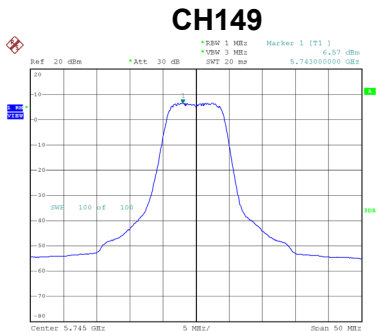
CH46



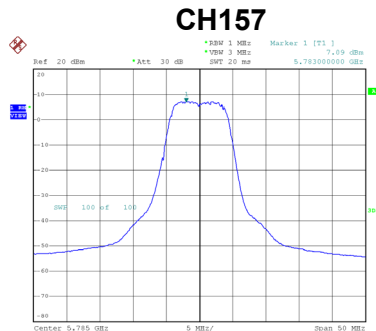
Date: 14,JAN,2019 11:53:52

Test Mode	UNII-3_TX A (10M) Mode
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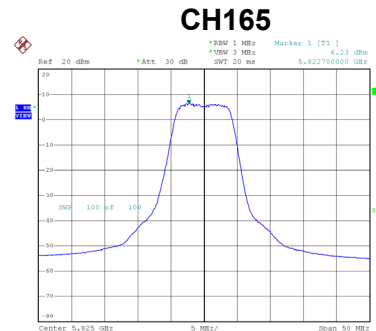
Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	6.57	0.00	6.57	30.00	Complies
157	5785	7.09	0.00	7.09	30.00	Complies
165	5825	6.23	0.00	6.23	30.00	Complies



Date: 14.JAN.2019 16:56:08



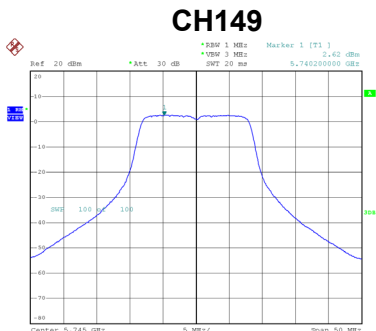
Date: 14.JAN.2019 16:57:24



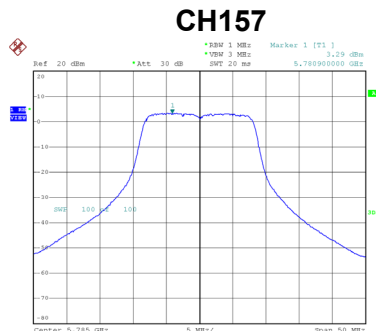
Date: 14.JAN.2019 16:58:50

Test Mode	UNII-3_TX A (20M) Mode
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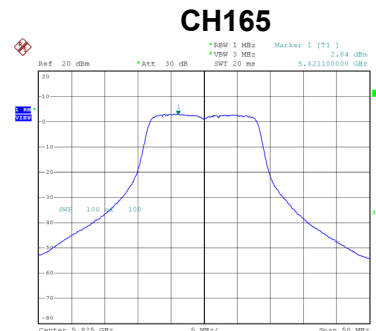
Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	2.62	0.00	2.62	30.00	Complies
157	5785	3.29	0.00	3.29	30.00	Complies
165	5825	2.84	0.00	2.84	30.00	Complies



Date: 14.JAN.2019 13:52:52



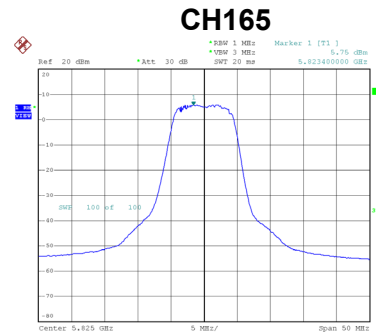
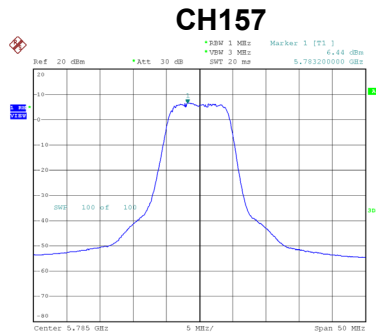
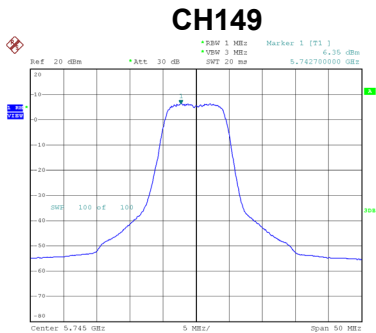
Date: 14.JAN.2019 13:54:00



Date: 14.JAN.2019 13:55:02

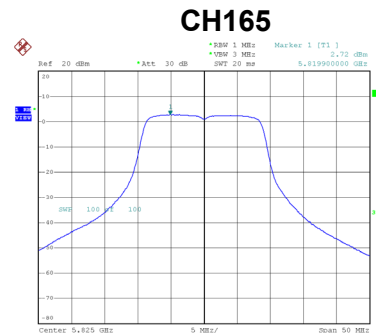
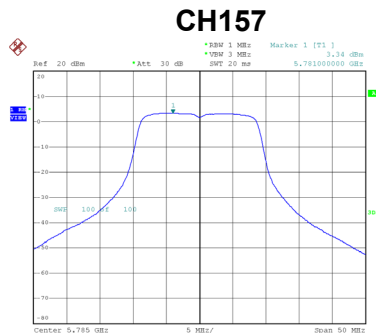
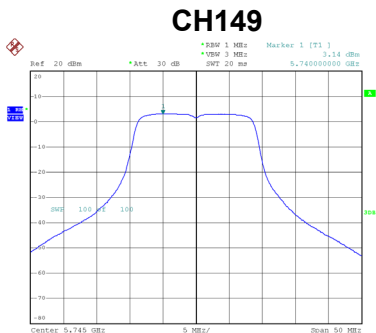
Test Mode	UNII-3_TX N (HT10) Mode
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Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	6.35	0.00	6.35	30.00	Complies
157	5785	6.44	0.00	6.44	30.00	Complies
165	5825	5.75	0.00	5.75	30.00	Complies



Test Mode	UNII-3_TX N (HT20) Mode
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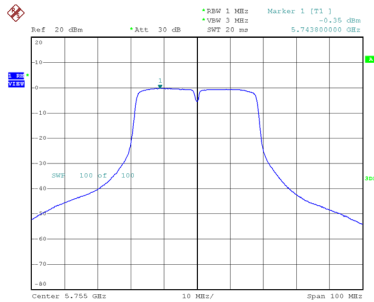
Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	3.14	0.00	3.14	30.00	Complies
157	5785	3.34	0.00	3.34	30.00	Complies
165	5825	2.72	0.00	2.72	30.00	Complies



Test Mode	UNII-3_TX N (HT40) Mode
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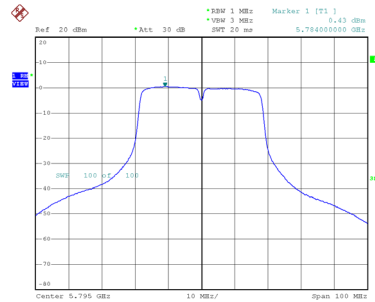
Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor	Power Spectral Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
151	5755	-0.35	0.11	-0.24	30.00	Complies
159	5795	0.43	0.11	0.54	30.00	Complies

CH151



Date: 14,JAN,2019 11:49:14

CH159



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APPENDIX H - FREQUENCY STABILITY

Test Mode	UNII-1
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Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5180.0000
138	5179.9599
120	5179.9799
102	5179.9599
Maximum Deviation (MHz)	0.0401
Maximum Deviation (ppm)	7.7461

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(°C)	5180.0000
-40	5179.9750
-30	5179.9599
-20	5179.9599
-10	5179.9750
0	5179.9750
10	5179.9599
20	5179.9599
30	5179.9750
40	5179.9799
50	5179.9599
60	5179.9799
70	5179.9599
Maximum Deviation (MHz)	0.0401
Maximum Deviation (ppm)	7.7461

Test Mode	UNII-3
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Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5745.0000
138	5744.9599
120	5744.9600
102	5744.9599
Maximum Deviation (MHz)	0.0401
Maximum Deviation (ppm)	6.9843

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(°C)	5745.0000
-40	5744.9599
-30	5744.9599
-20	5744.9600
-10	5744.9750
0	5744.9599
10	5744.9599
20	5744.9600
30	5744.9750
40	5744.9548
50	5744.9548
60	5744.9600
70	5744.9599
Maximum Deviation (MHz)	0.0452
Maximum Deviation (ppm)	7.8655

End of Test Report