

TX AC20 Mode_DUTY CYCLE

$$\text{Duty cycle} = T_{\text{ON}} / T_{\text{Total}}$$

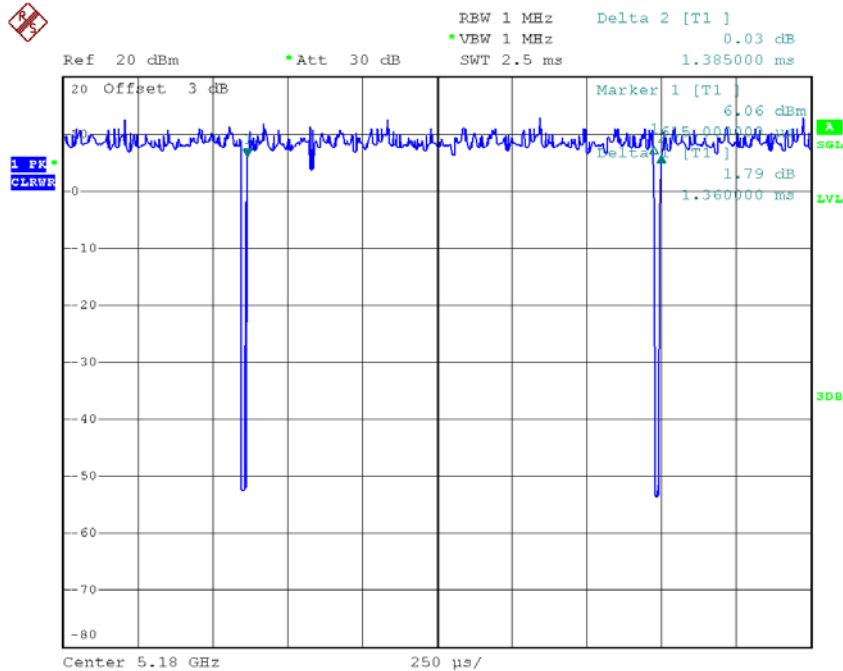
T_{ON} : 1.360 msec

T_{Total} : 1.385 msec

Duty cycle: 98.19%

Duty Factor = $10 \log(1/\text{Duty cycle})$

Duty Factor = 0.00



Date: 14.NOV.2018 15:10:07

Note: The duty cycle is $\geq 98\%$ no need to calculated as Duty Factor.

TX AC40 Mode_DUTY CYCLE

$$\text{Duty cycle} = T_{\text{ON}} / T_{\text{Total}}$$

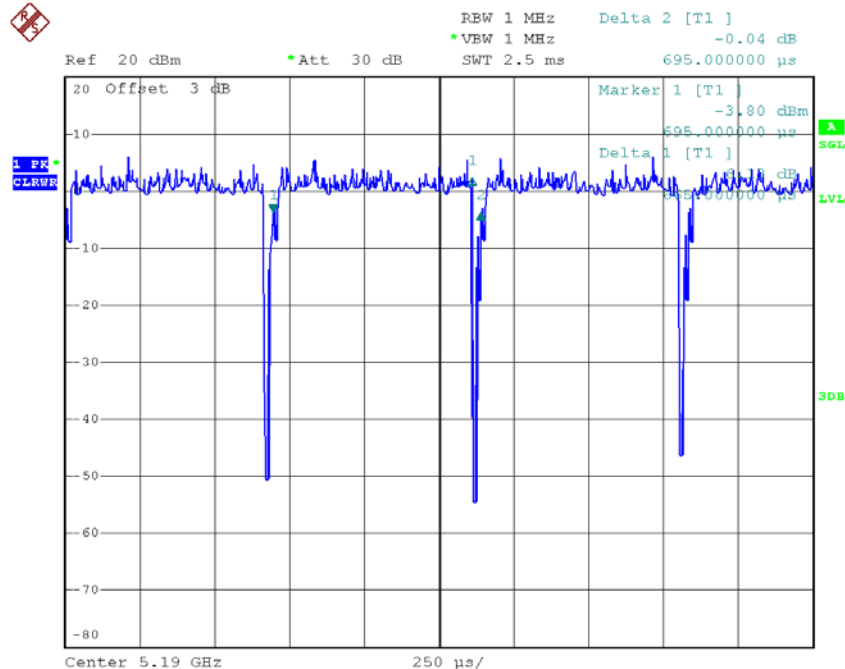
T_{ON} : 0.665 msec

T_{Total}: 0.695 msec

Duty cycle: 95.68%

$$\text{Duty Factor} = 10 \log(1/\text{Duty cycle})$$

Duty Factor = 0.19



Date: 14.NOV.2018 15:12:43

Note: The EUT was programmed to be in continually transmitting mode and the transmit duty cycle < 98 %, so, the output power and power density should be calculated as

Output Power = Measured power + Duty factor

Power Spectral Density = Measured density + Duty factor

TX AC80 Mode_DUTY CYCLE

$$\text{Duty cycle} = T_{\text{ON}} / T_{\text{Total}}$$

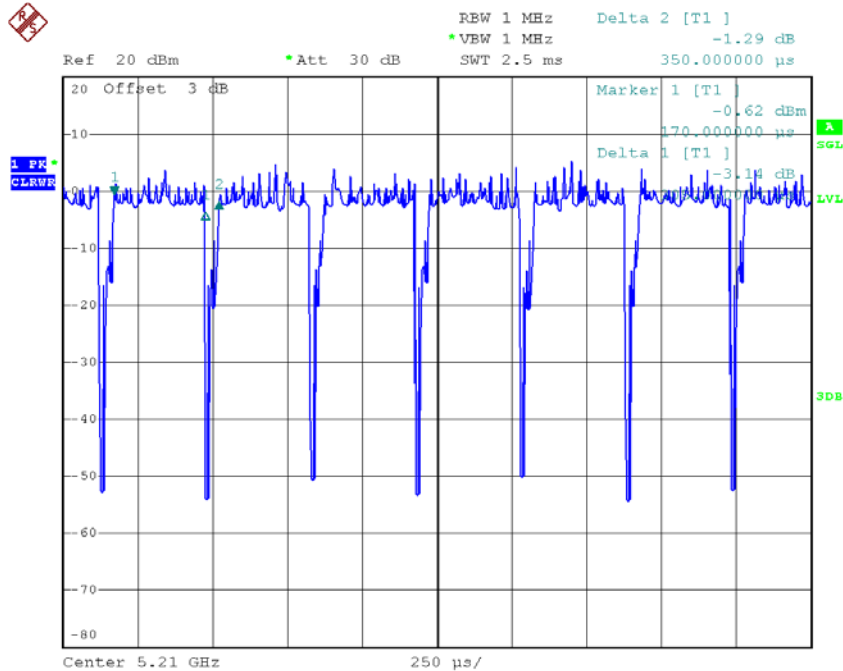
T_{ON} : 0.305 msec

T_{Total} : 0.350 msec

Duty cycle: 87.14%

$$\text{Duty Factor} = 10 \log(1/\text{Duty cycle})$$

$$\text{Duty Factor} = 0.60$$



Date: 14.NOV.2018 15:11:38

Note: The EUT was programmed to be in continually transmitting mode and the transmit duty cycle < 98 %, so, the output power and power density should be calculated as

Output Power = Measured power + Duty factor

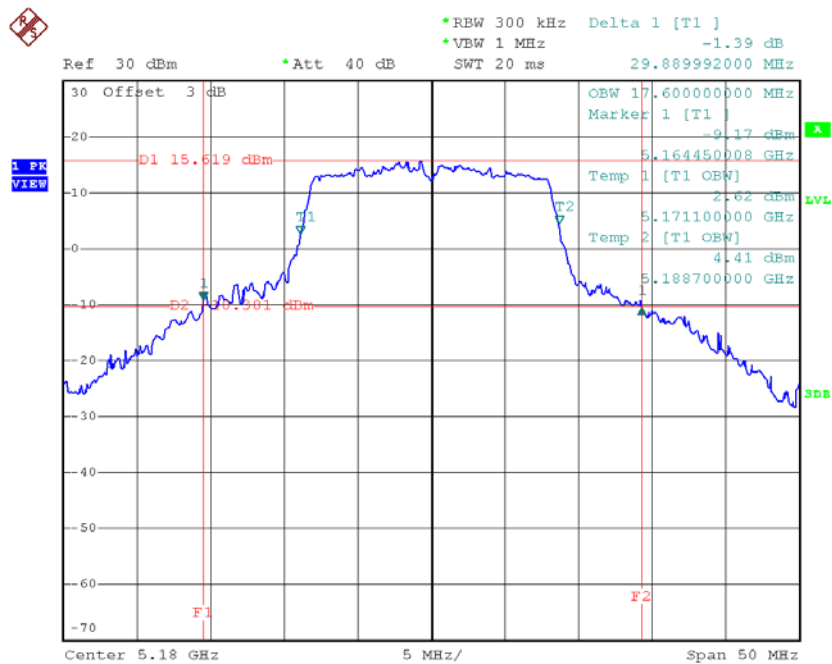
Power Spectral Density = Measured density + Duty factor

APPENDIX E - BANDWIDTH

Test Mode: UNII-1/TX A Mode_CH36/CH40/CH48

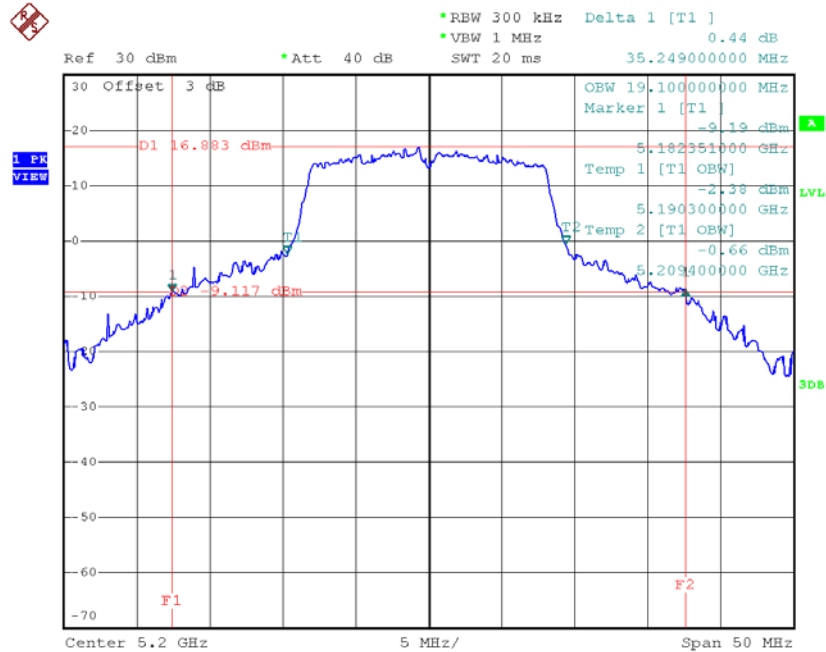
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	29.89	17.60
CH40	5200	35.25	19.10
CH48	5240	35.70	20.00

TX CH36



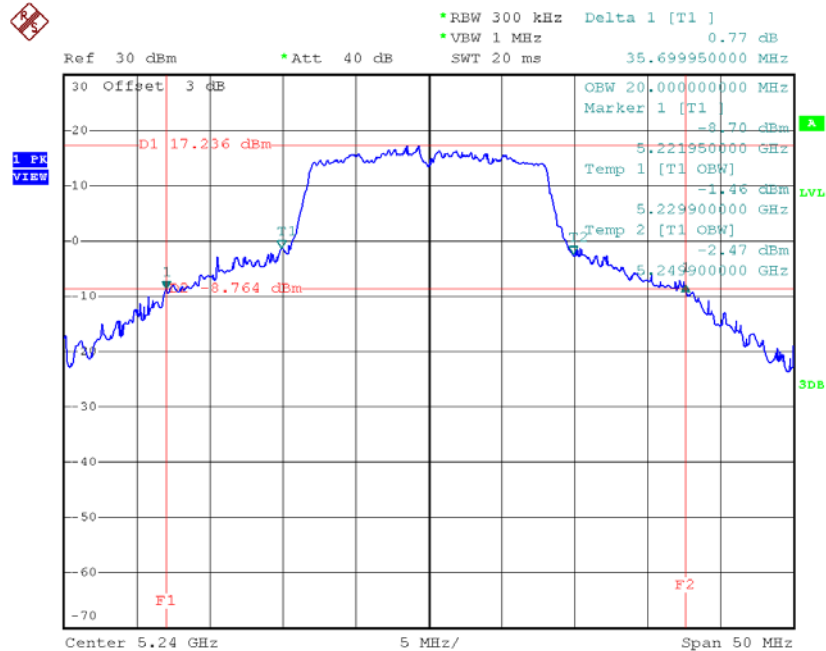
Date: 19.NOV.2018 13:29:57

TX CH40



Date: 19.NOV.2018 13:39:40

TX CH48

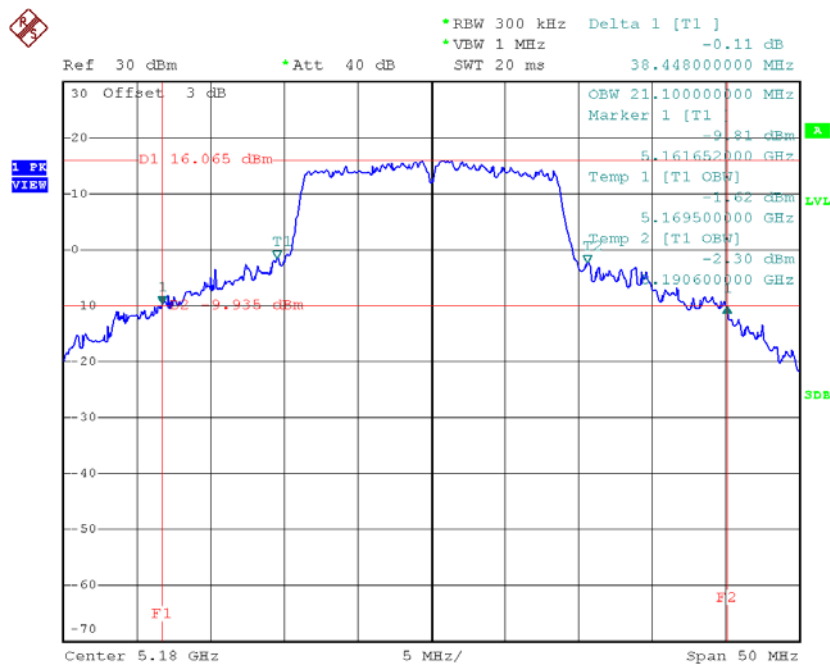


Date: 19.NOV.2018 13:45:48

Test Mode: UNII-1/TX N20 Mode_CH36/CH40/CH48

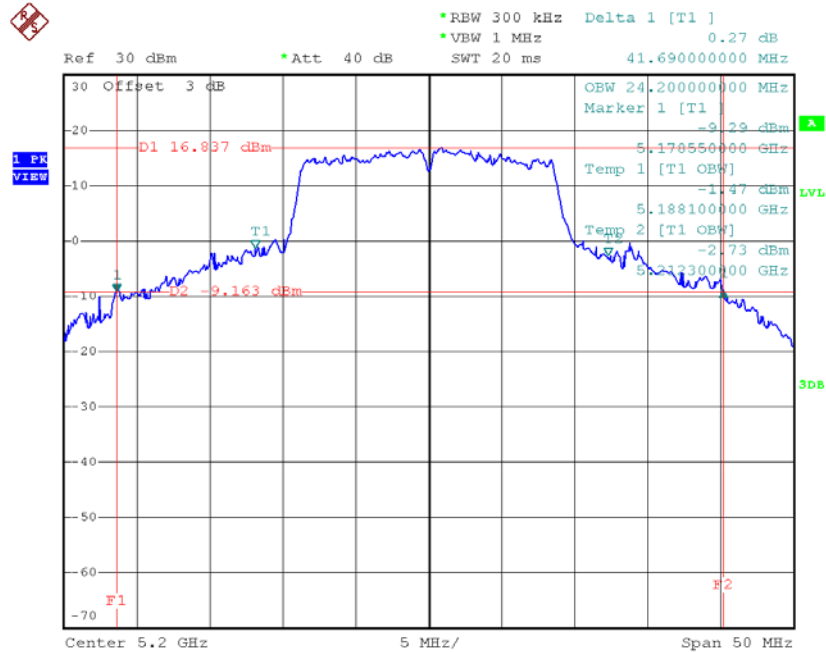
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	38.45	21.10
CH40	5200	41.69	24.20
CH48	5240	21.55	17.90

TX CH36



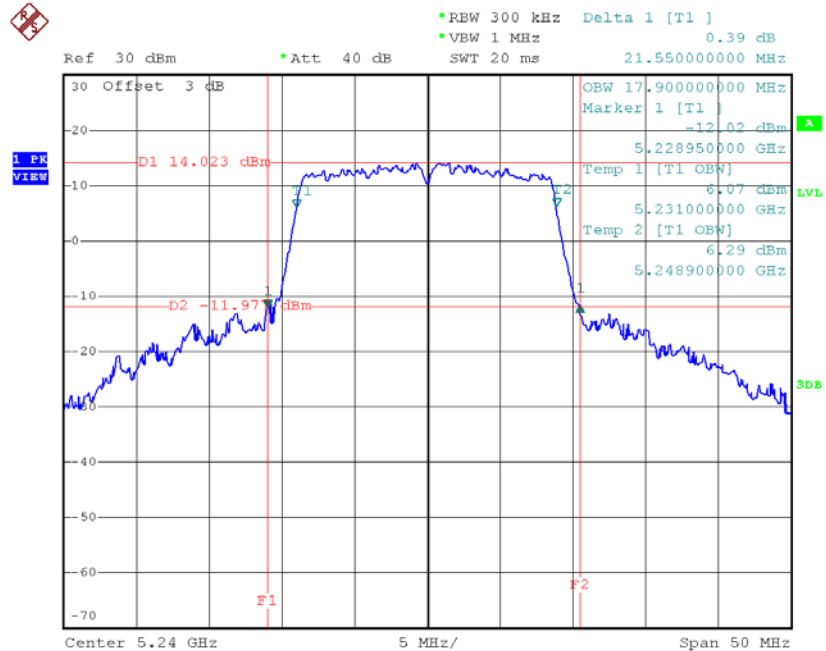
Date: 19.NOV.2018 15:41:46

TX CH40



Date: 19.NOV.2018 15:43:42

TX CH48

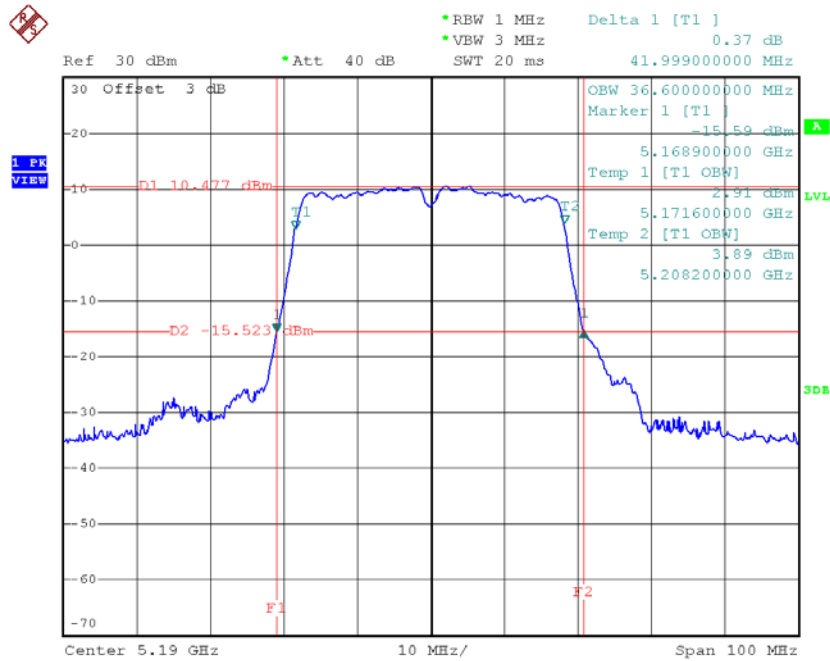


Date: 6.DEC.2018 15:21:01

Test Mode: UNII-1/TX N40 Mode_CH38/CH46

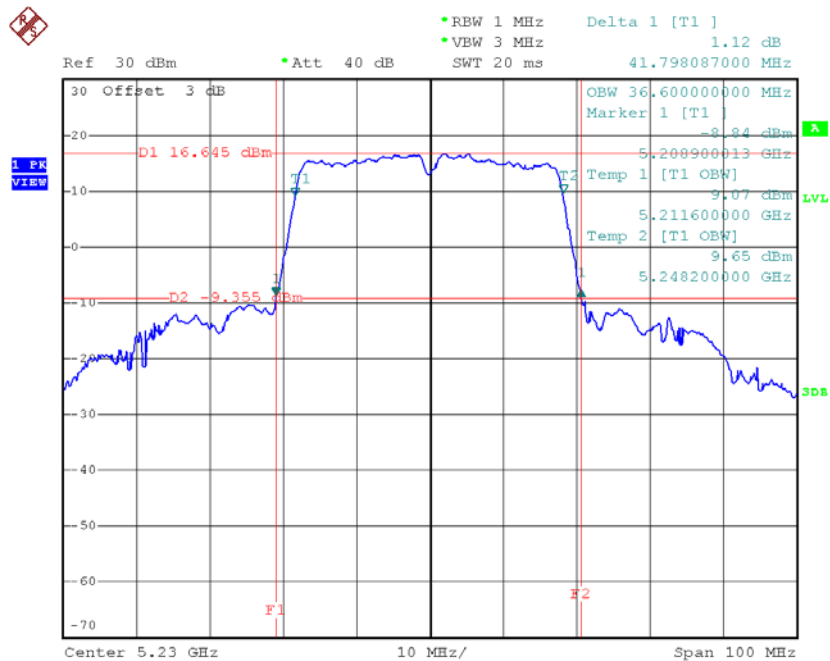
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH38	5190	42.00	36.60
CH46	5230	41.80	36.60

TX CH38



Date: 19.NOV.2018 16:21:02

TX CH46

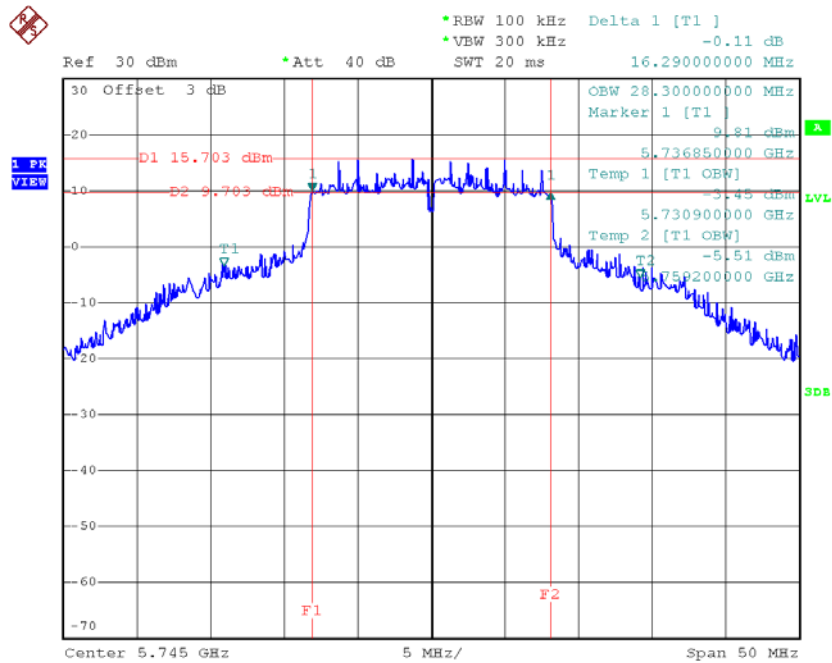


Date: 6.DEC.2018 15:24:18

Test Mode: UNII-3/ TX A Mode_CH149/CH157/CH165

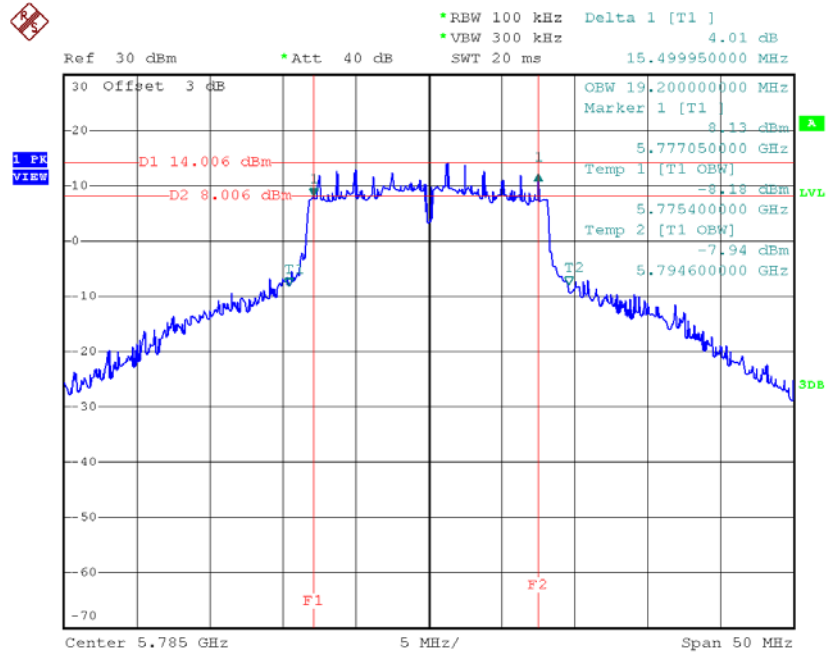
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	16.29	28.30	>=500
CH157	5785	15.50	19.20	>=500
CH165	5825	16.05	19.50	>=500

TX CH 149



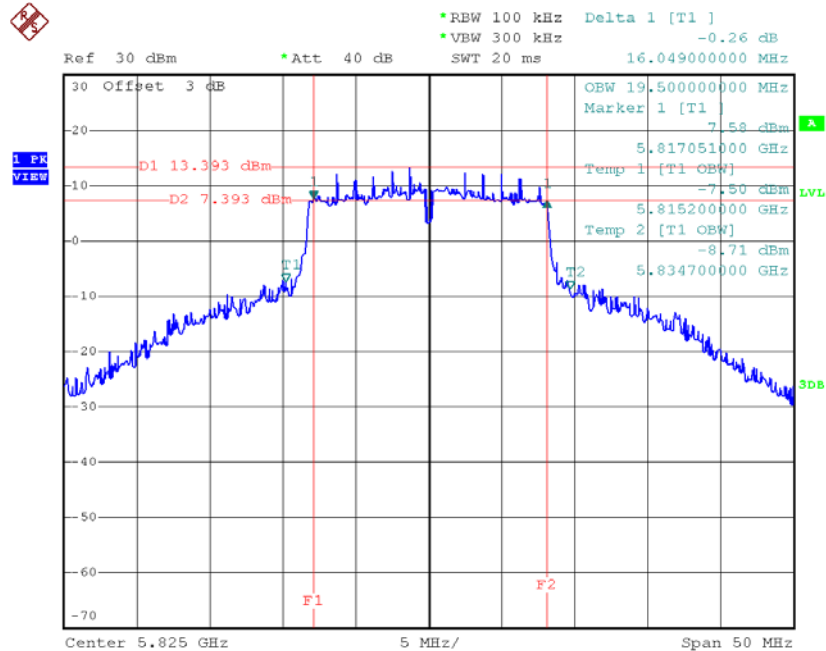
Date: 19.NOV.2018 13:42:11

TX CH 157



Date: 19.NOV.2018 13:43:24

TX CH 165

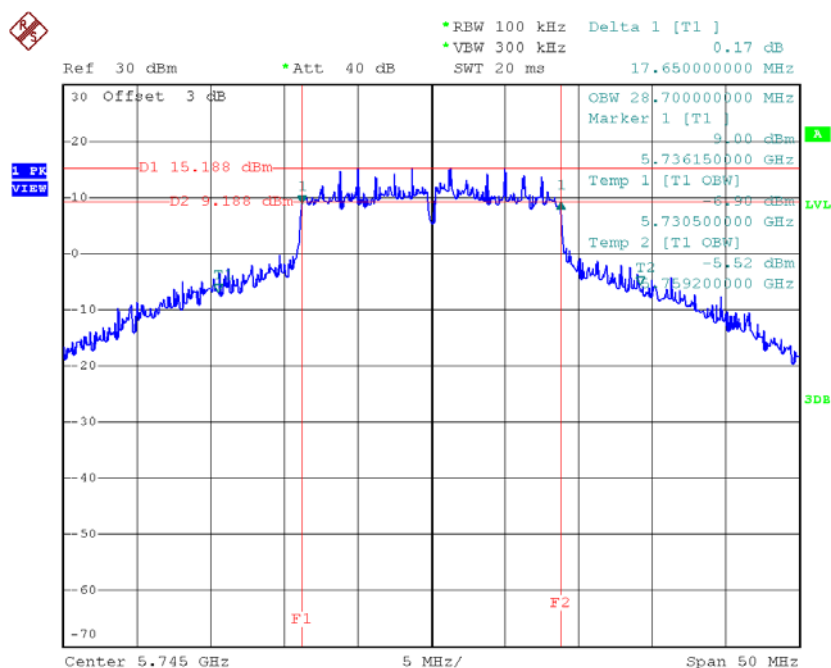


Date: 19.NOV.2018 13:44:26

Test Mode: UNII-3/ TX N20 Mode_CH149/CH157/CH165

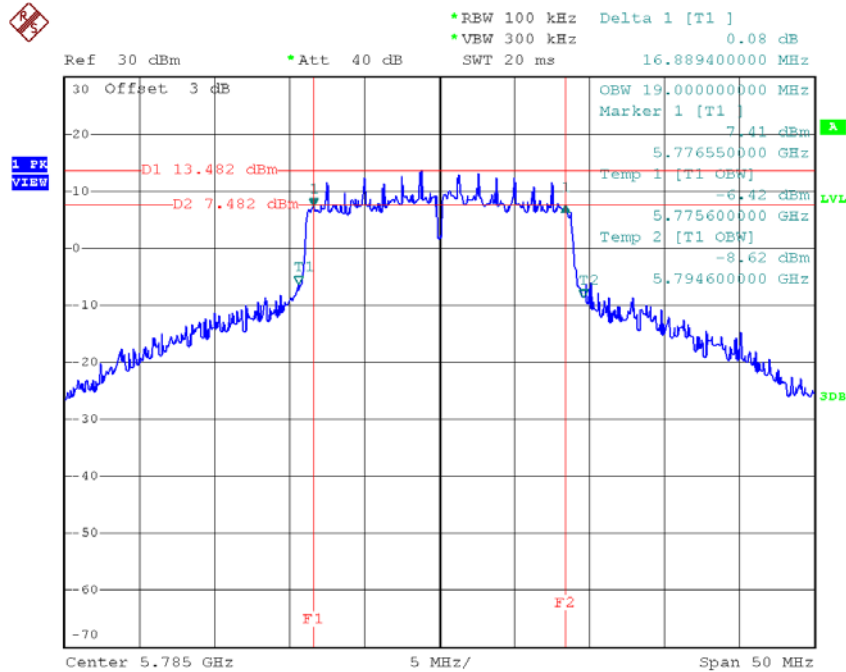
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	17.65	28.70	>=500
CH157	5785	16.89	19.00	>=500
CH165	5825	16.99	19.10	>=500

TX CH 149



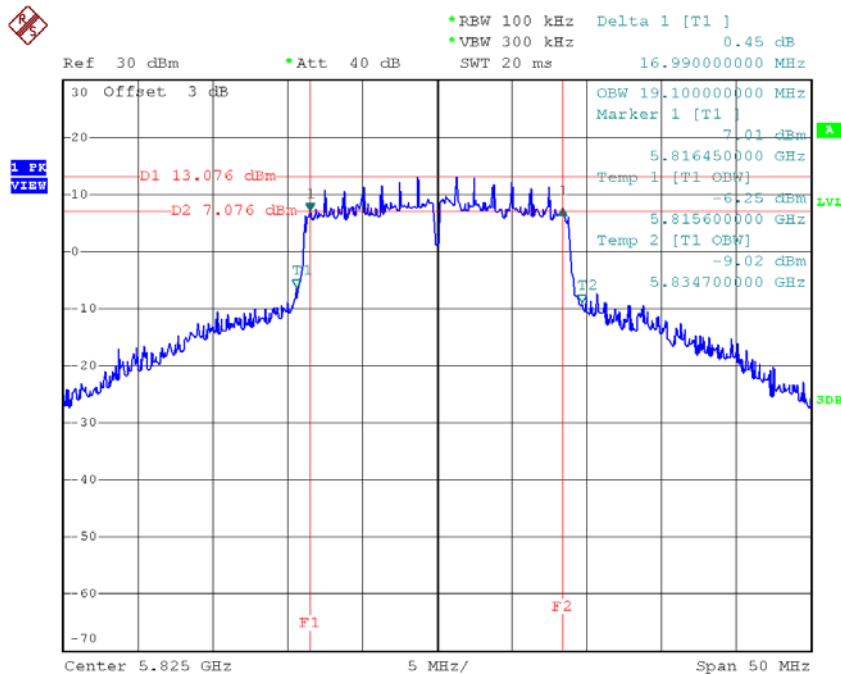
Date: 19.NOV.2018 15:46:48

TX CH 157



Date: 19.NOV.2018 15:47:50

TX CH 165

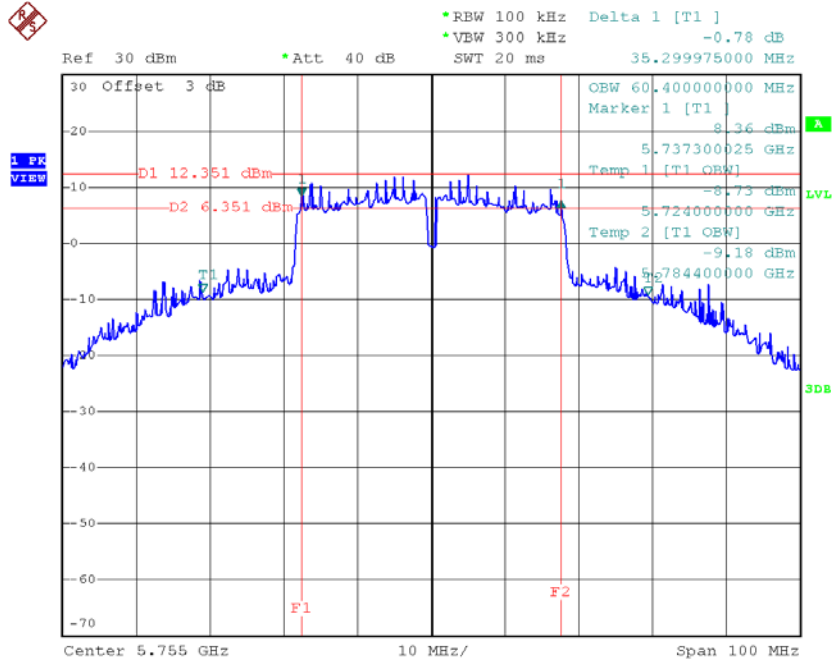


Date: 19.NOV.2018 15:48:48

Test Mode: UNII-3/ TX N40 Mode_CH151/CH159

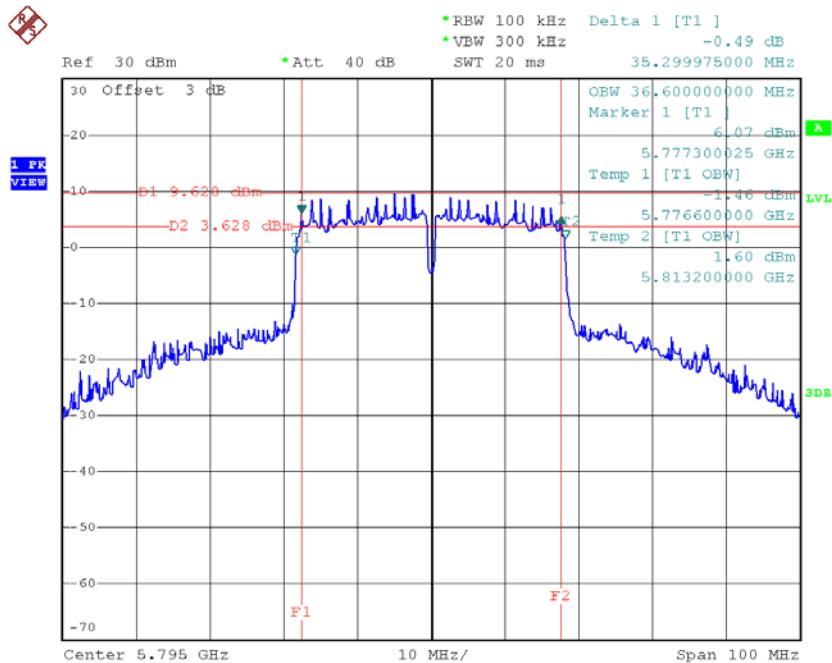
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH151	5755	35.30	60.40	≥ 500
CH159	5795	35.30	36.60	≥ 500

TX CH 151



Date: 19.NOV.2018 16:22:31

TX CH 159

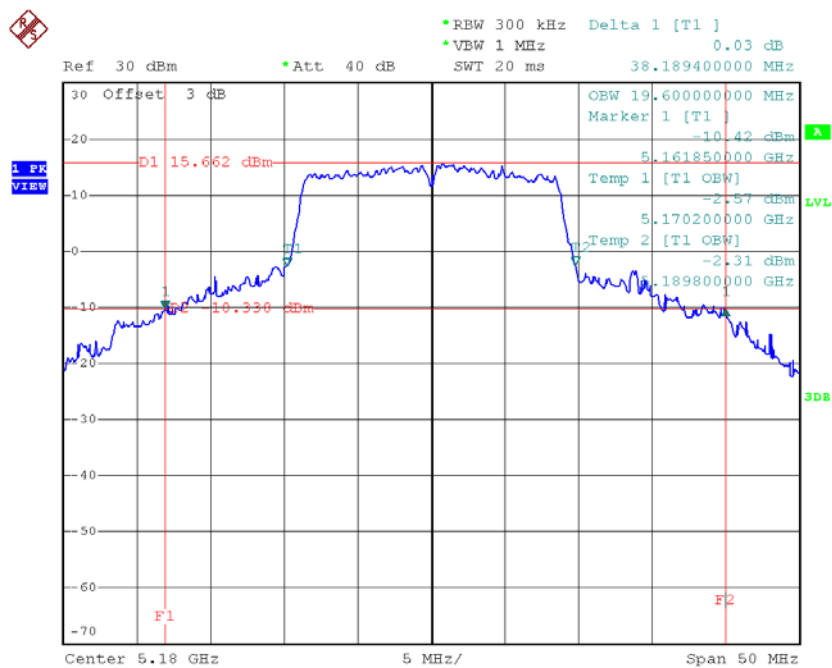


Date: 19.NOV.2018 16:23:27

Test Mode: UNII-1/TX AC20 Mode_CH36/CH40/CH48

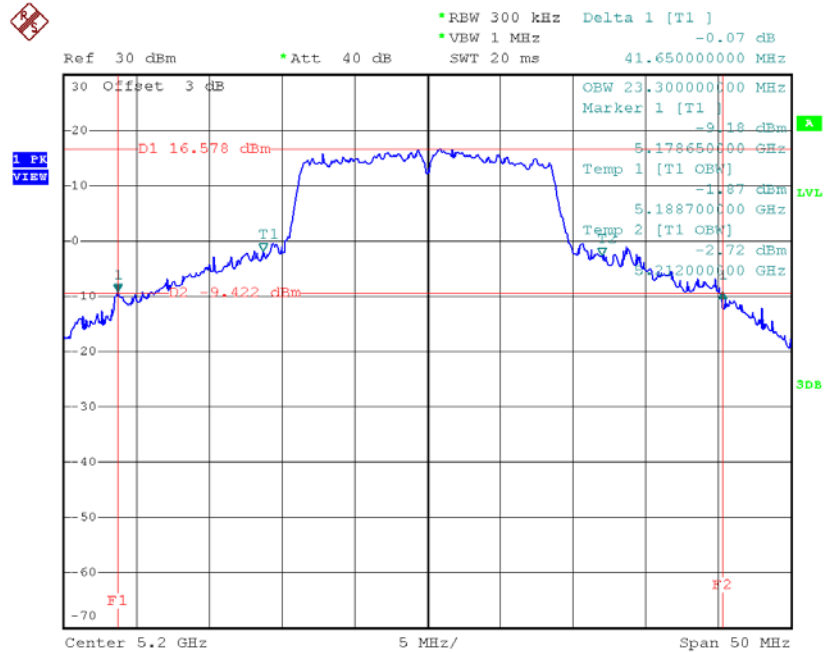
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	38.19	19.60
CH40	5200	41.65	23.30
CH48	5240	21.30	17.90

TX CH36



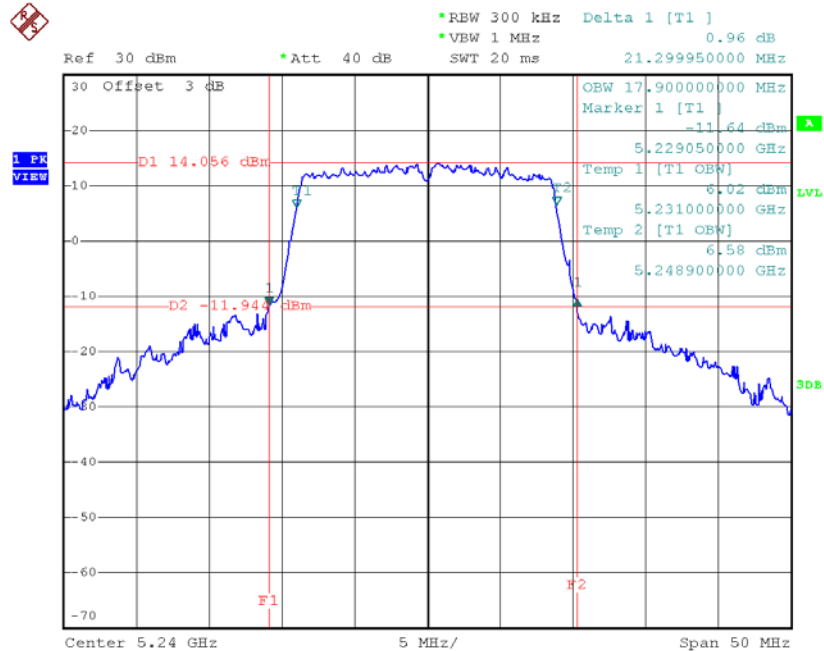
Date: 19.NOV.2018 15:54:06

TX CH40



Date: 19.NOV.2018 15:55:05

TX CH48

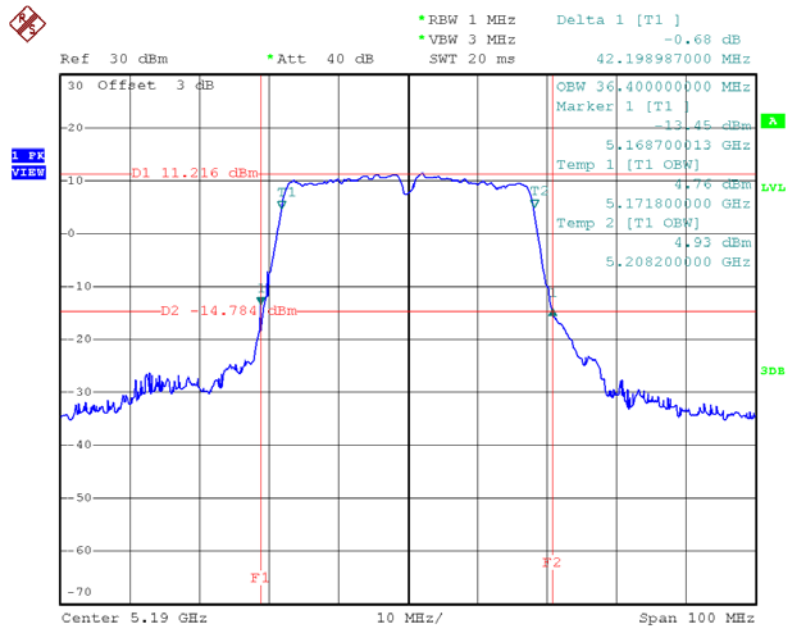


Date: 6.DEC.2018 15:22:20

Test Mode: UNII-1/TX AC40 Mode_CH38/CH46

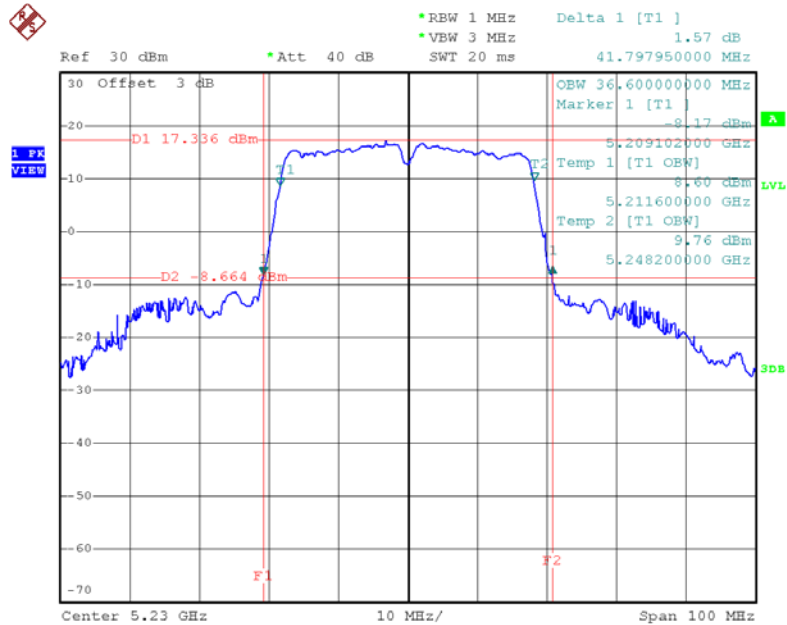
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH38	5190	42.20	36.40
CH46	5230	41.80	36.60

TX CH38



Date: 19.NOV.2018 16:27:56

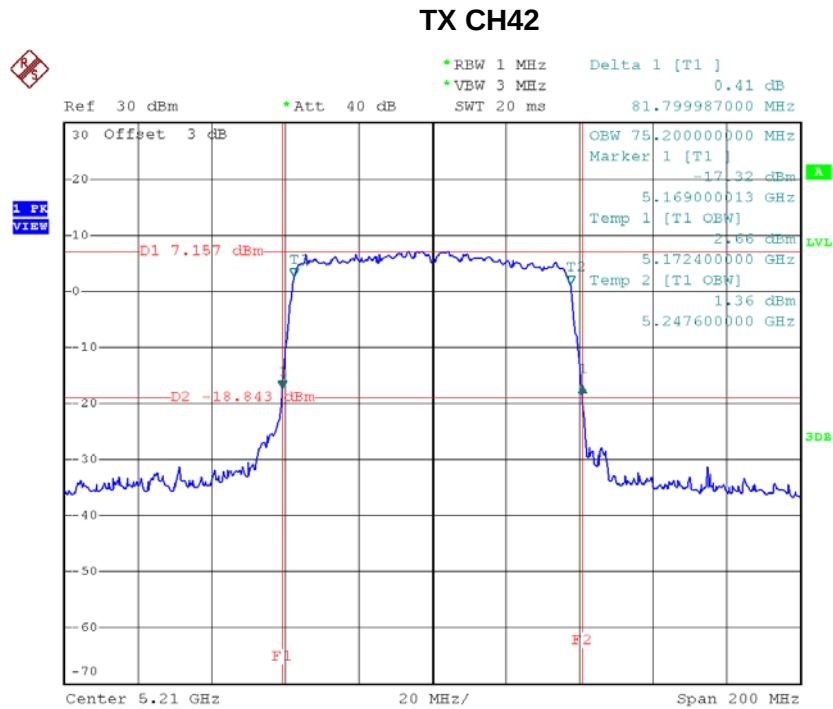
TX CH46



Date: 6.DEC.2018 15:25:48

Test Mode: UNII-1/TX AC80 Mode_CH42

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH42	5210	81.80	75.20

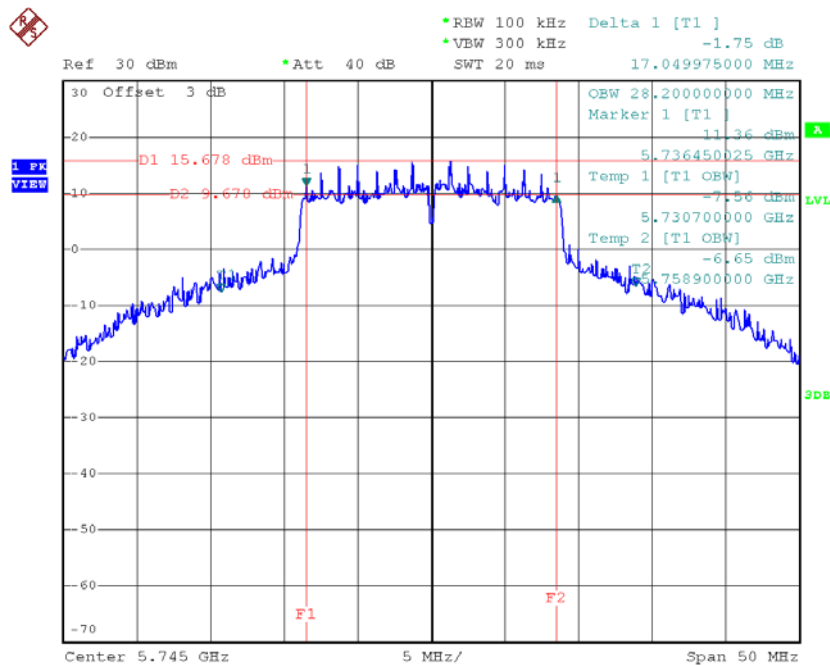


Date: 19.NOV.2018 16:53:00

Test Mode: UNII-3/ TX AC20 Mode_CH149/CH157/CH165

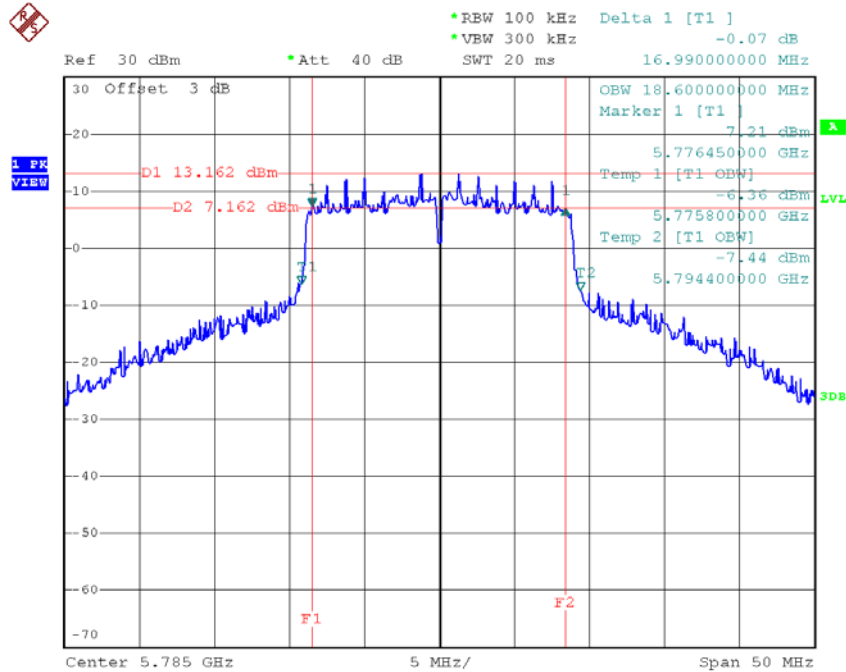
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	17.05	28.20	>=500
CH157	5785	16.99	18.60	>=500
CH165	5825	17.05	18.90	>=500

TX CH 149



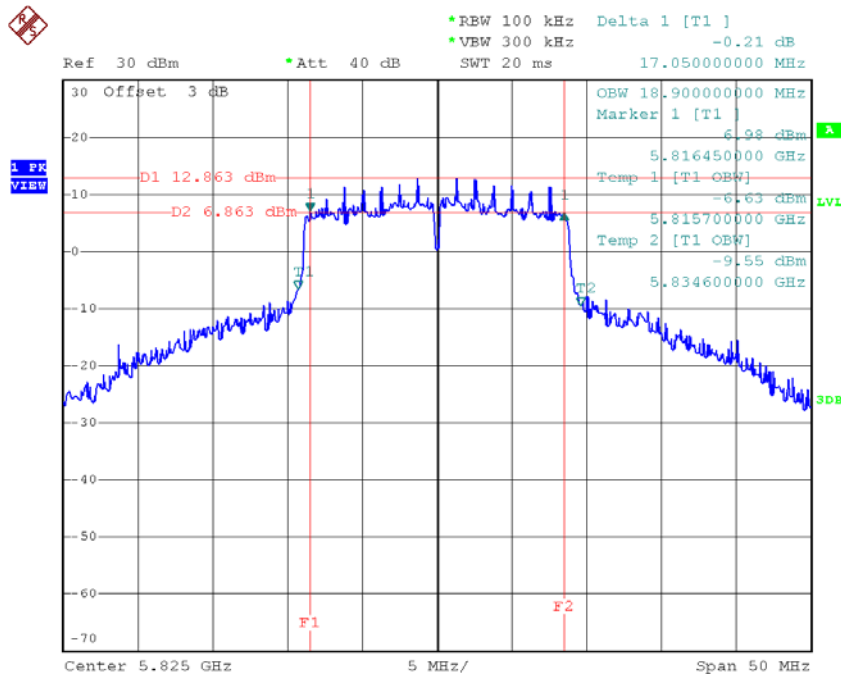
Date: 19.NOV.2018 15:50:16

TX CH 157



Date: 19.NOV.2018 15:51:25

TX CH 165

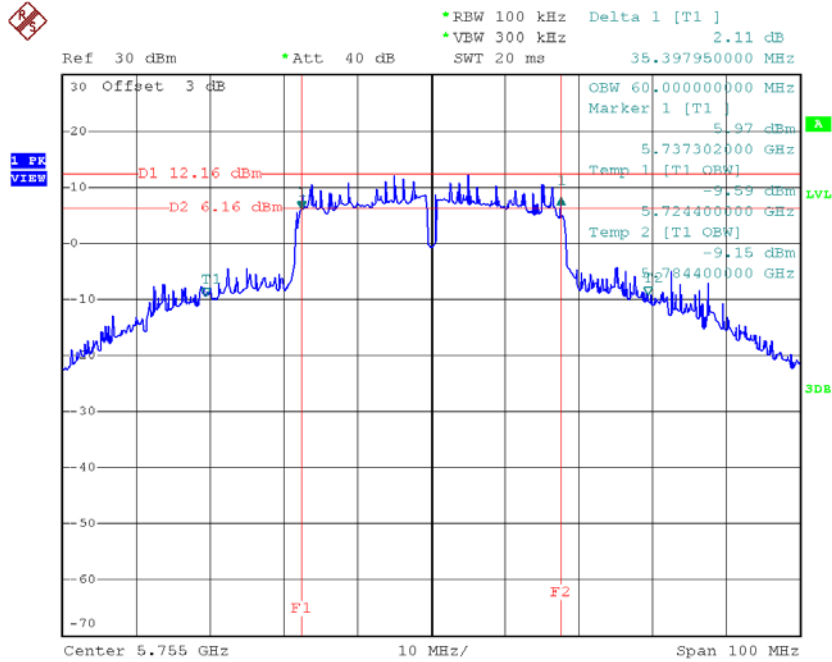


Date: 19.NOV.2018 15:52:26

Test Mode: UNII-3/ TX AC40 Mode_CH151/CH159

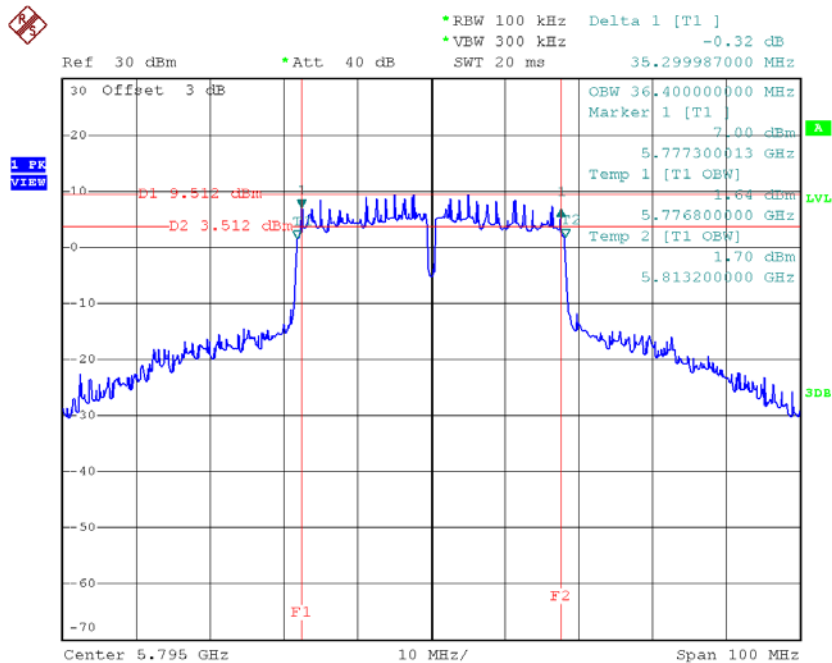
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH151	5755	35.40	60.00	≥ 500
CH159	5795	35.30	36.40	≥ 500

TX CH 151



Date: 19.NOV.2018 16:25:07

TX CH 159

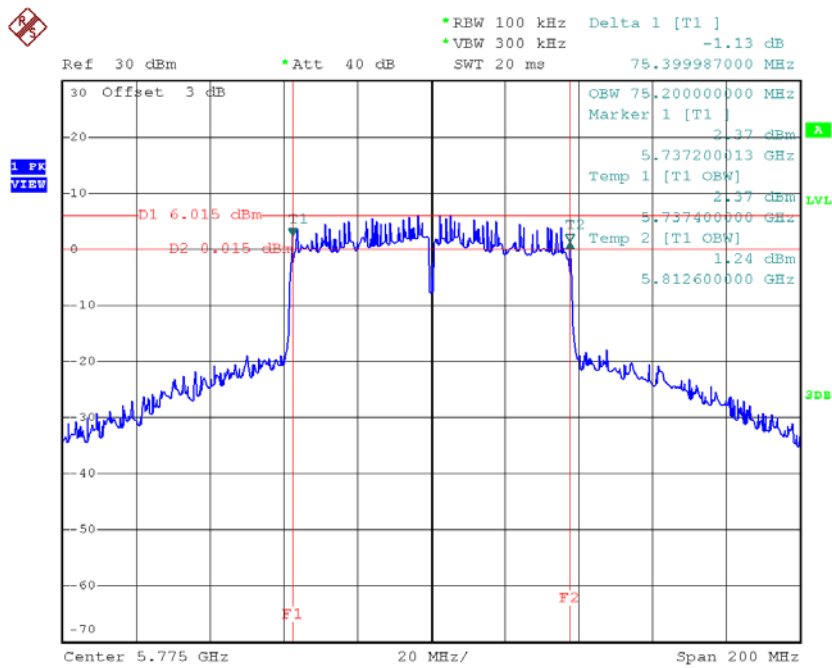


Date: 19.NOV.2018 16:26:15

Test Mode: UNII-3/ TX AC80 Mode_CH155

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH155	5775	75.40	75.20	>=500

TX CH 155



Date: 19.NOV.2018 16:54:26

APPENDIX F - MAXIMUM OUTPUT POWER

Test Mode: UNII-1/TX A Mode_ANT 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	22.73	0.00	22.73	30.00	1.00
CH40	5200	24.35	0.00	24.35	30.00	1.00
CH48	5240	24.15	0.00	24.15	30.00	1.00

Test Mode: UNII-1/TX A Mode_ANT 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	24.96	0.00	24.96	30.00	1.00
CH40	5200	25.12	0.00	25.12	30.00	1.00
CH48	5240	24.88	0.00	24.88	30.00	1.00

Test Mode: UNII-1/TX A Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	27.00	30.00	1.00
CH40	5200	27.76	30.00	1.00
CH48	5240	27.54	30.00	1.00

Test Mode: UNII-1/TX N20 Mode_ANT 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	23.72	0.00	23.72	30.00	1.00
CH40	5200	24.25	0.00	24.25	30.00	1.00
CH48	5240	24.33	0.00	24.33	30.00	1.00

Test Mode: UNII-1/TX N20 Mode_ANT 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	24.89	0.00	24.89	30.00	1.00
CH40	5200	24.52	0.00	24.52	30.00	1.00
CH48	5240	24.75	0.00	24.75	30.00	1.00

Test Mode: UNII-1/TX N20 Mode _Total

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	27.35	30.00	1.00
CH40	5200	27.40	30.00	1.00
CH48	5240	27.56	30.00	1.00

Test Mode: UNII-1/TX N40 Mode_ANT 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	16.41	0.23	16.64	30.00	1.00
CH46	5230	25.25	0.23	25.48	30.00	1.00

Test Mode: UNII-1/TX N40 Mode_ANT 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	23.75	0.23	23.98	30.00	1.00
CH46	5230	26.13	0.23	26.36	30.00	1.00

Test Mode: UNII-1/TX N40 Mode _Total

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	24.71	30.00	1.00
CH46	5230	28.95	30.00	1.00

Test Mode: UNII-3/ TX A Mode_ANT 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	25.58	0.00	25.58	30.00	1.00
CH157	5785	23.24	0.00	23.24	30.00	1.00
CH165	5825	22.78	0.00	22.78	30.00	1.00

Test Mode: UNII-3/ TX A Mode_ANT 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	25.61	0.00	25.61	30.00	1.00
CH157	5785	22.26	0.00	22.26	30.00	1.00
CH165	5825	21.42	0.00	21.42	30.00	1.00

Test Mode: UNII-3/ TX A Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	28.61	30.00	1.00
CH157	5785	25.79	30.00	1.00
CH165	5825	25.16	30.00	1.00

Test Mode: UNII-3/TX N20 Mode_ANT 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	24.67	0.00	24.67	30.00	1.00
CH157	5785	23.11	0.00	23.11	30.00	1.00
CH165	5825	22.47	0.00	22.47	30.00	1.00

Test Mode: UNII-3/TX N20 Mode_ANT 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	24.79	0.00	24.79	30.00	1.00
CH157	5785	21.48	0.00	21.48	30.00	1.00
CH165	5825	21.21	0.00	21.21	30.00	1.00

Test Mode: UNII-3/TX N20 Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	27.74	30.00	1.00
CH157	5785	25.38	30.00	1.00
CH165	5825	24.90	30.00	1.00

Test Mode: UNII-3/ TX N40 Mode_ANT 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	24.25	0.23	24.48	30.00	1.00
CH159	5795	22.51	0.23	22.74	30.00	1.00

Test Mode: UNII-3/ TX N40 Mode_ANT 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	25.12	0.23	25.35	30.00	1.00
CH159	5795	20.62	0.23	20.85	30.00	1.00

Test Mode: UNII-3/ TX N40 Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	27.94	30.00	1.00
CH159	5795	24.90	30.00	1.00

Test Mode: UNII-1/TX AC20 Mode_ANT 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	23.88	0.00	23.88	30.00	1.00
CH40	5200	24.01	0.00	24.01	30.00	1.00
CH48	5240	24.54	0.00	24.54	30.00	1.00

Test Mode: UNII-1/TX AC20 Mode_ANT 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	24.62	0.00	24.62	30.00	1.00
CH40	5200	24.57	0.00	24.57	30.00	1.00
CH48	5240	24.56	0.00	24.56	30.00	1.00

Test Mode: UNII-1/TX AC20 Mode _Total

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	27.28	30.00	1.00
CH40	5200	27.31	30.00	1.00
CH48	5240	27.56	30.00	1.00

Test Mode: UNII-1/TX AC40 Mode_ANT 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	16.56	0.19	16.75	30.00	1.00
CH46	5230	23.79	0.19	23.98	30.00	1.00

Test Mode: UNII-1/TX AC40 Mode_ANT 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	23.63	0.19	23.82	30.00	1.00
CH46	5230	25.47	0.19	25.66	30.00	1.00

Test Mode: UNII-1/TX AC40 Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	24.60	30.00	1.00
CH46	5230	27.91	30.00	1.00

Test Mode: UNII-1/TX AC80 Mode_ANT 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH42	5210	14.68	0.60	15.28	30.00	1.00

Test Mode: UNII-1/TX AC80 Mode_ANT 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH42	5210	21.56	0.60	22.16	30.00	1.00

Test Mode: UNII-1/TX AC80 Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH42	5210	22.97	30.00	1.00

Test Mode: UNII-3/TX AC20 Mode_ANT 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	24.22	0.00	24.22	30.00	1.00
CH157	5785	22.48	0.00	22.48	30.00	1.00
CH165	5825	22.53	0.00	22.53	30.00	1.00

Test Mode: UNII-3/TX AC20 Mode_ANT 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	24.14	0.00	24.14	30.00	1.00
CH157	5785	21.22	0.00	21.22	30.00	1.00
CH165	5825	20.96	0.00	20.96	30.00	1.00

Test Mode: UNII-3/TX AC20 Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	27.19	30.00	1.00
CH157	5785	24.91	30.00	1.00
CH165	5825	24.83	30.00	1.00

Test Mode: UNII-3/TX AC40 Mode_ANT 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	24.64	0.19	24.83	30.00	1.00
CH159	5795	22.36	0.19	22.55	30.00	1.00

Test Mode: UNII-3/TX AC40 Mode_ANT 2

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	24.86	0.19	25.05	30.00	1.00
CH159	5795	20.84	0.19	21.03	30.00	1.00

Test Mode: UNII-3/TX AC40 Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	27.95	30.00	1.00
CH159	5795	24.87	30.00	1.00

Test Mode: UNII-3/TX AC80 Mode_ANT 1

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH155	5775	21.53	0.60	22.13	30.00	1.00

Test Mode: UNII-3/TX AC80 Mode_ANT 2

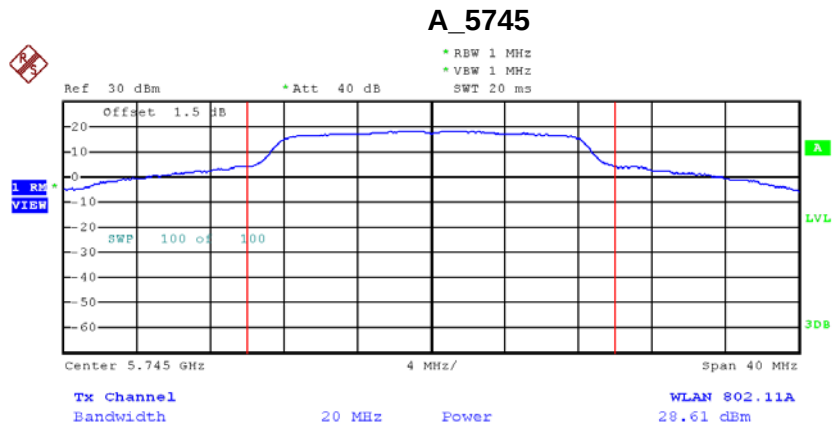
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH155	5775	23.76	0.60	24.36	30.00	1.00

Test Mode: UNII-3/TX AC80 Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH155	5775	26.39	30.00	1.00

Worst case :

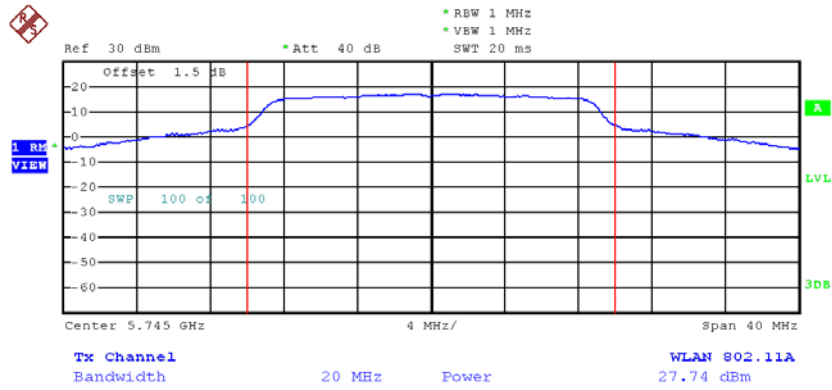
Test Mode: TX A Mode



Date: 23.NOV.2018 10:43:27

Test Mode: TX N20 Mode

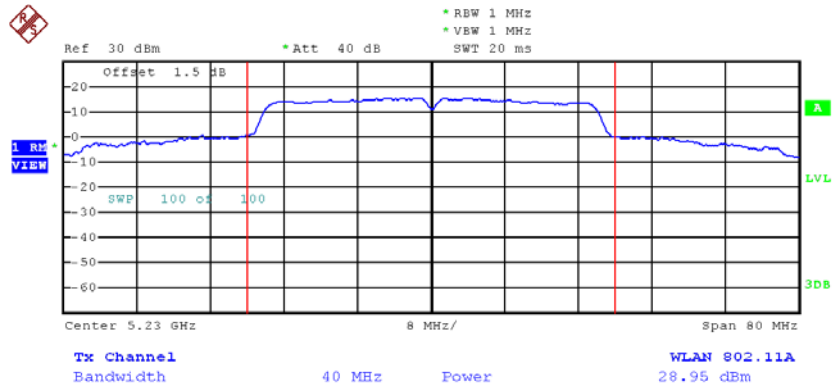
N20_5745



Date: 23.NOV.2018 10:47:53

Test Mode: TX N40 Mode

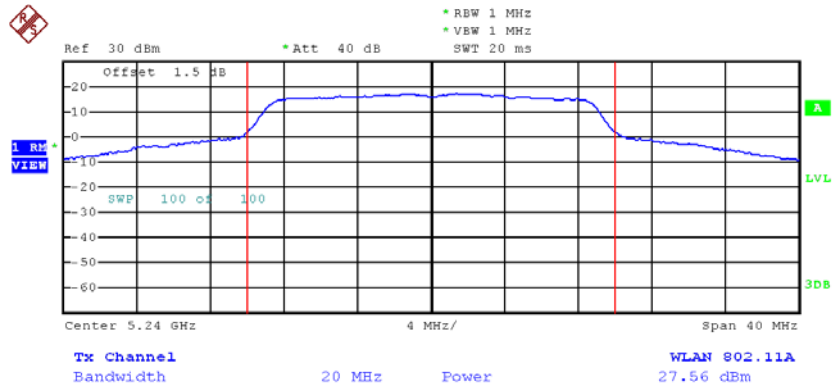
N40_5230



Date: 23.NOV.2018 10:57:21

Test Mode: TX AC20 Mode

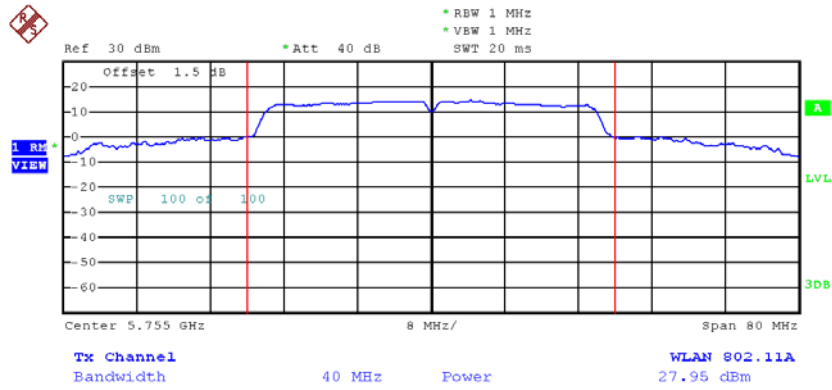
AC20_5240



Date: 23.NOV.2018 10:51:09

Test Mode: TX AC40 Mode

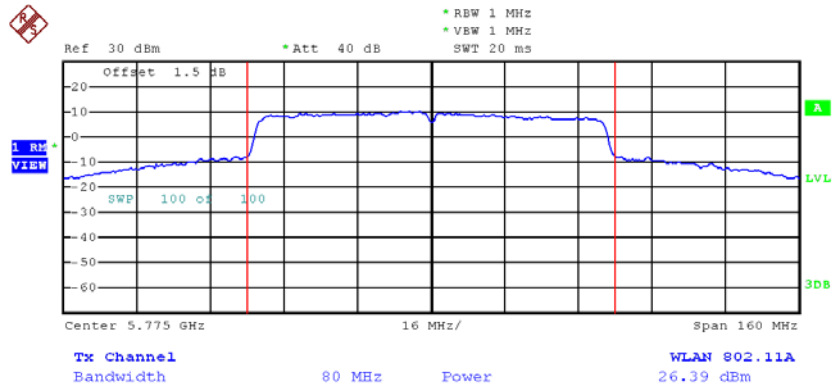
AC40_5755



Date: 23.NOV.2018 10:54:58

Test Mode: TX AC80 Mode

AC80_5775

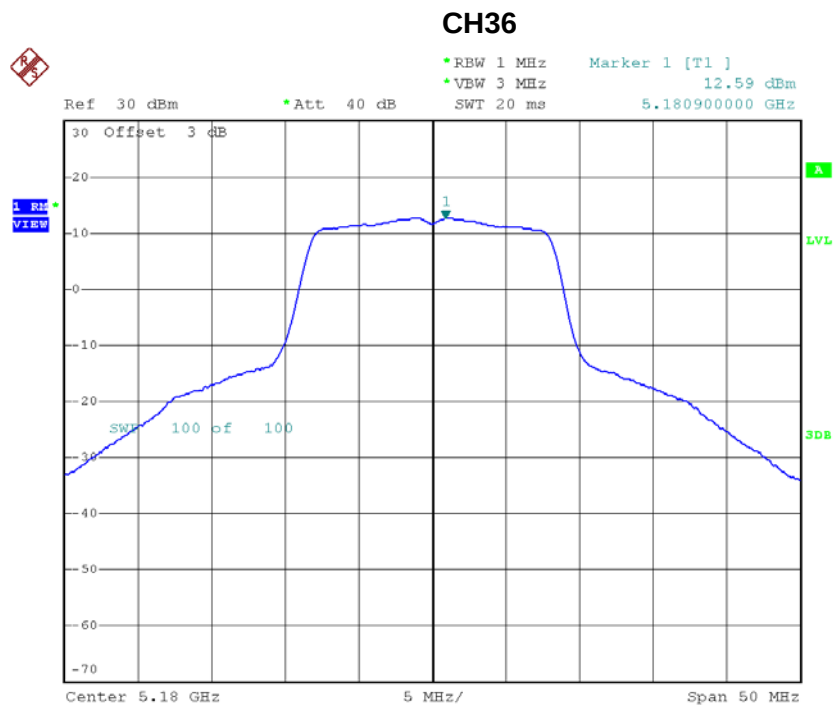


Date: 23.NOV.2018 11:02:22

APPENDIX G - POWER SPECTRAL DENSITY

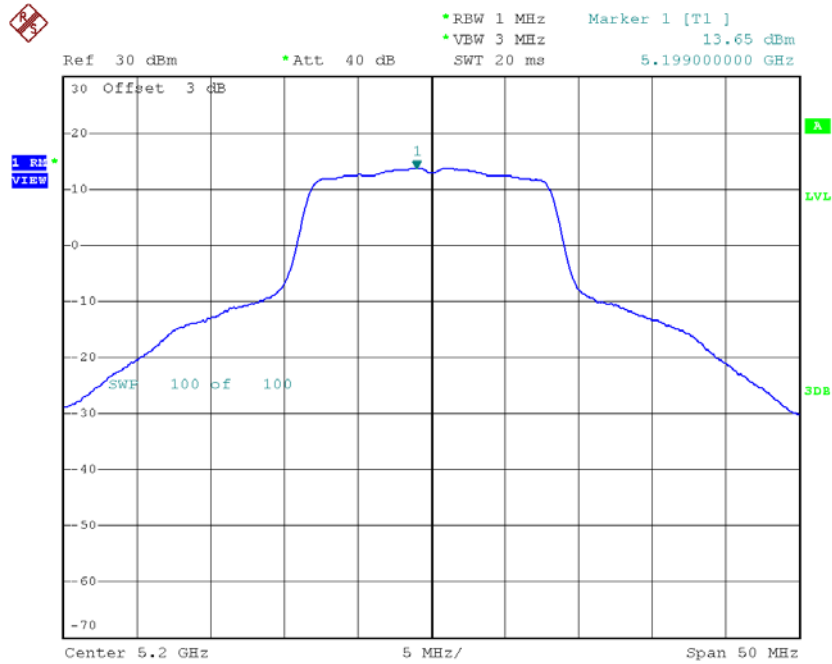
Test Mode: UNII-1/ TX A Mode_CH36/CH40/CH48_ANT 1

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	12.59	0.00	12.59	17.00
CH40	5200	13.65	0.00	13.65	17.00
CH48	5240	13.93	0.00	13.93	17.00



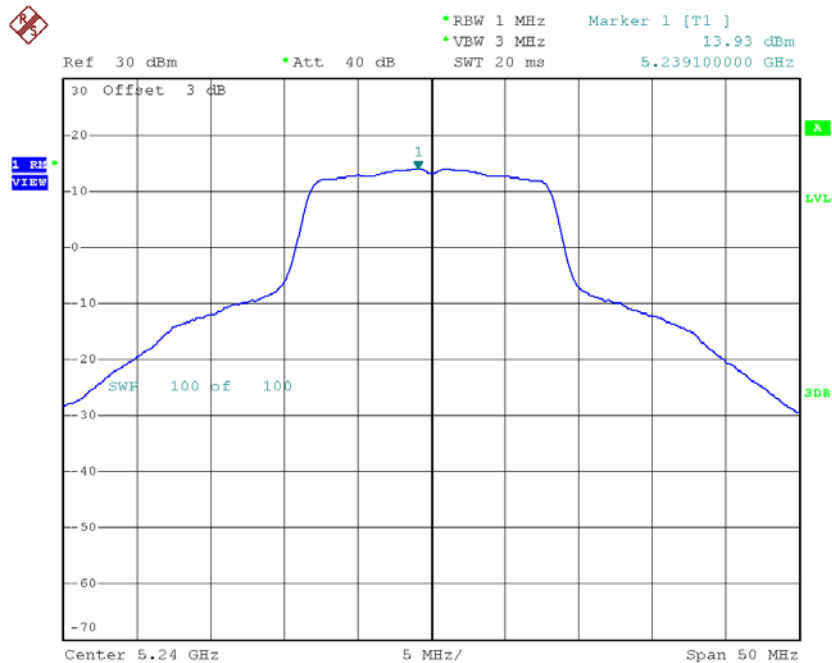
Date: 19.NOV.2018 13:30:06

CH40



Date: 19.NOV.2018 13:39:50

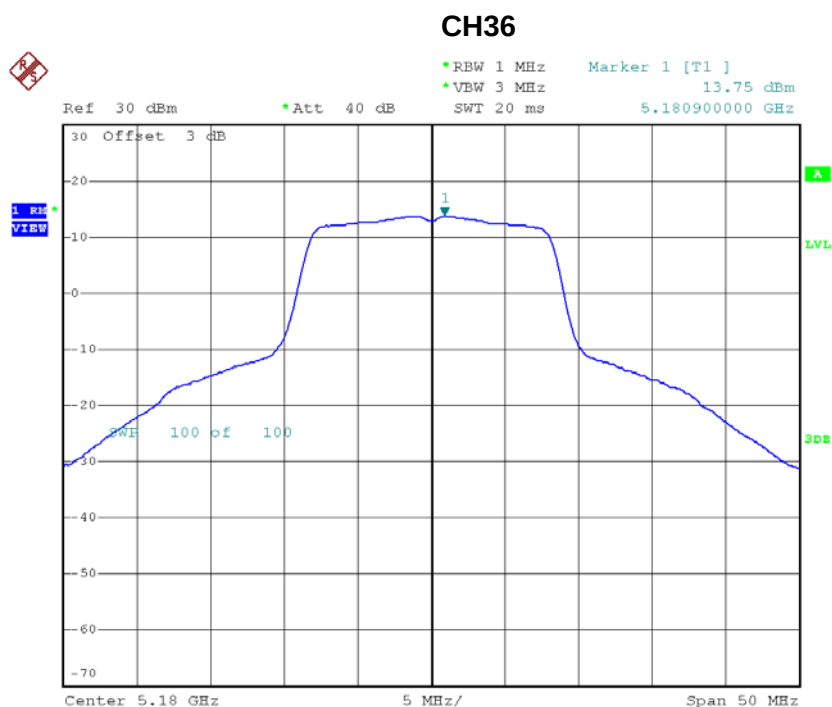
CH48



Date: 19.NOV.2018 13:45:57

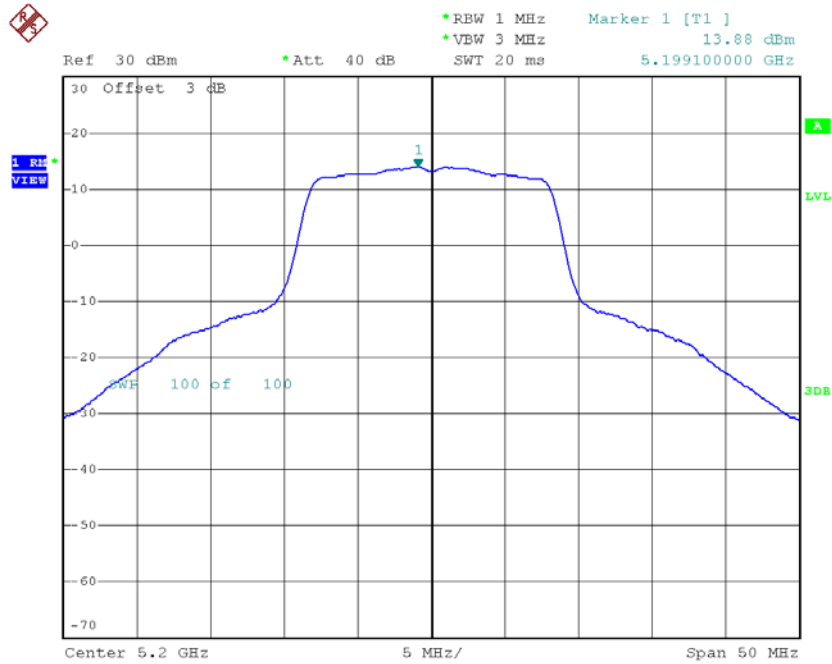
Test Mode: UNII-1/ TX A Mode_CH36/CH40/CH48_ANT 2

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	13.75	0.00	13.75	17.00
CH40	5200	13.88	0.00	13.88	17.00
CH48	5240	13.72	0.00	13.72	17.00



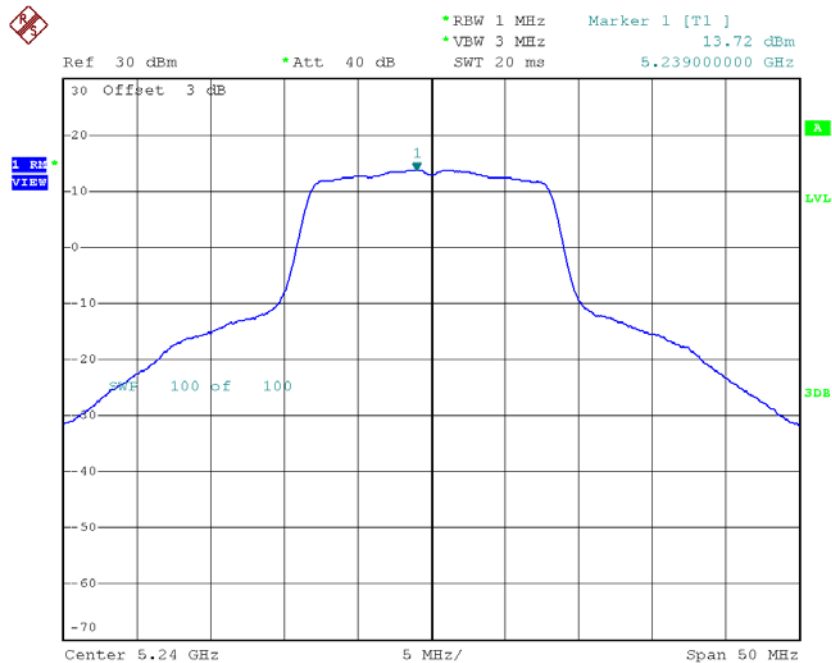
Date: 19.NOV.2018 13:53:16

CH40



Date: 19.NOV.2018 14:00:25

CH48



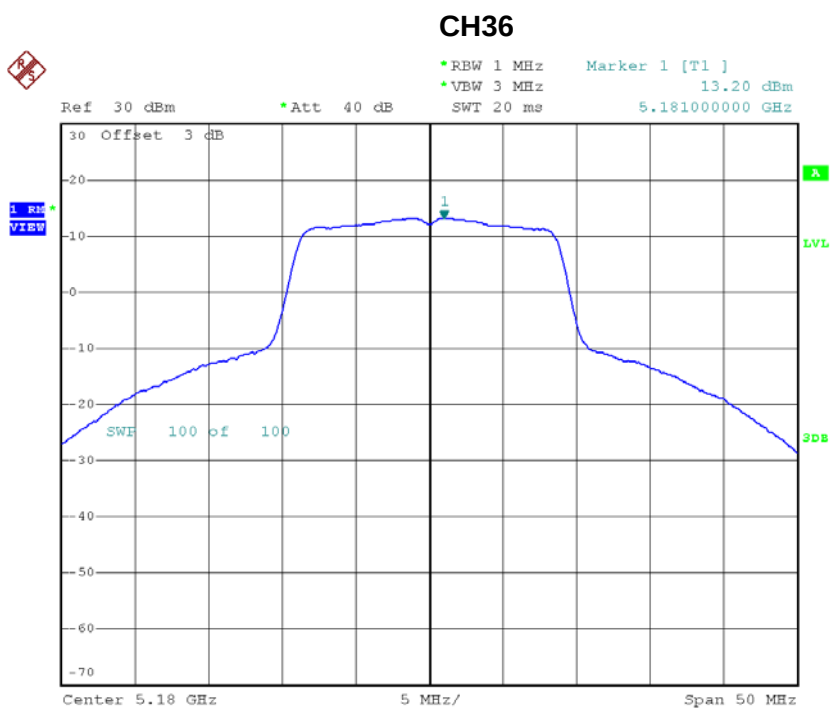
Date: 19.NOV.2018 14:17:41

Test Mode: UNII-1/ TX A Mode_CH36/CH40/CH48_Total

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	16.22	17.00
CH40	5200	16.78	17.00
CH48	5240	16.84	17.00

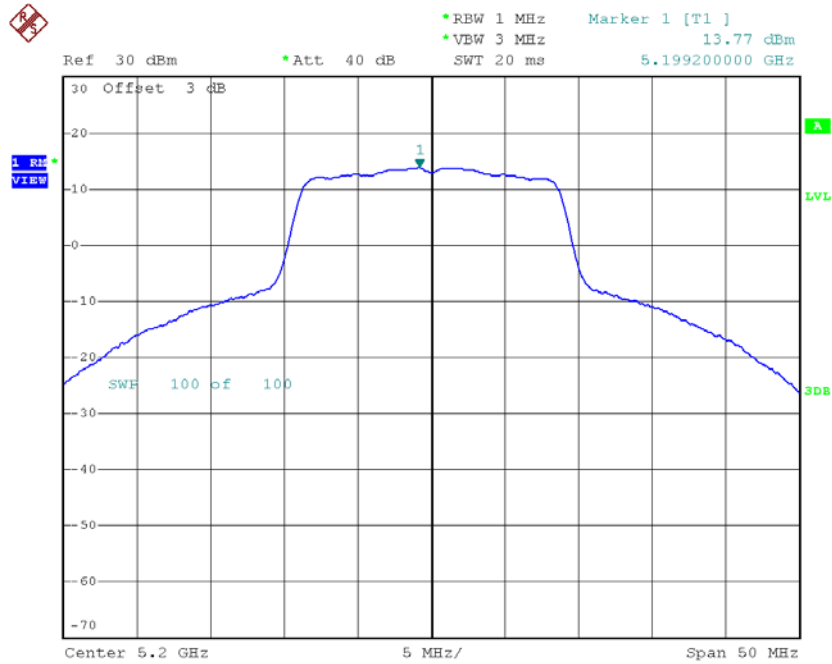
Test Mode: UNII-1/TX N20 Mode_CH36/CH40/CH48_ANT 1

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	13.20	0.00	13.20	17.00
CH40	5200	13.77	0.00	13.77	17.00
CH48	5240	13.89	0.00	13.89	17.00



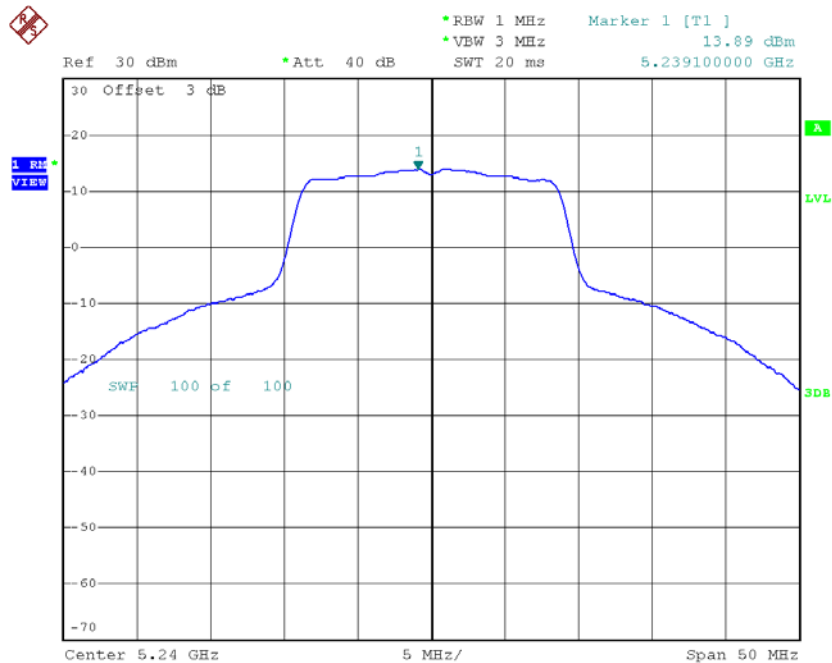
Date: 19.NOV.2018 15:41:29

CH40



Date: 19.NOV.2018 15:43:26

CH48

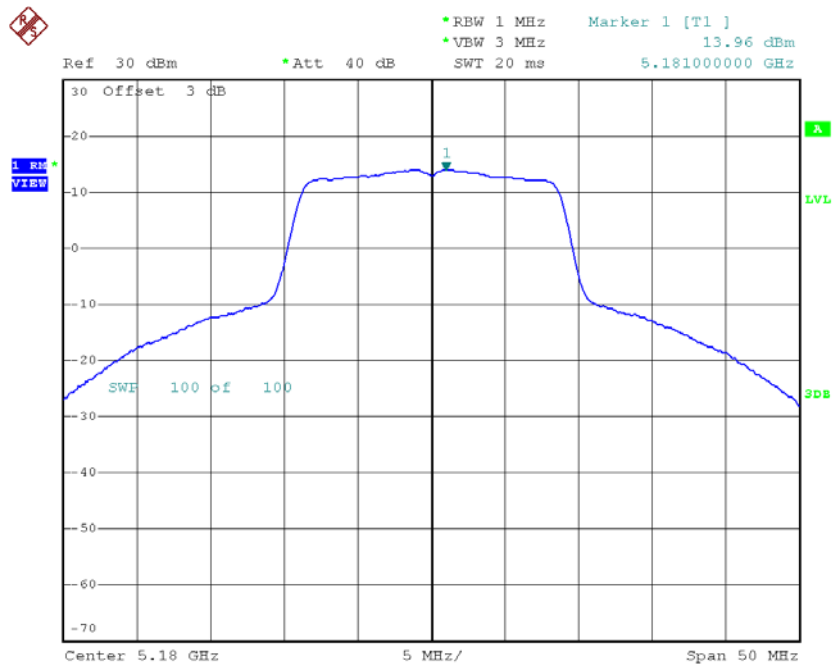


Date: 19.NOV.2018 15:44:46

Test Mode: UNII-1/TX N20 Mode_CH36/CH40/CH48_ANT 2

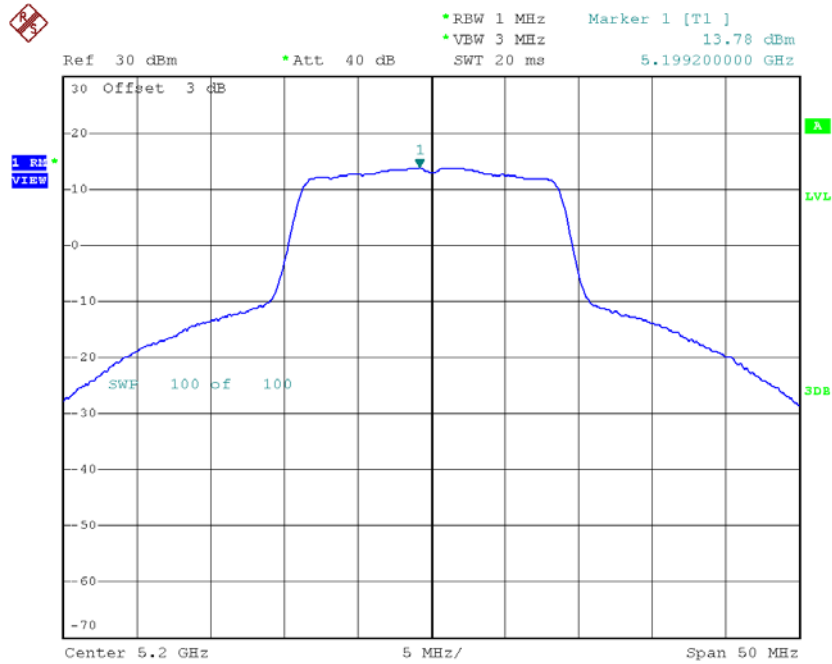
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	13.96	0.00	13.96	17.00
CH40	5200	13.78	0.00	13.78	17.00
CH48	5240	13.83	0.00	13.83	17.00

CH36



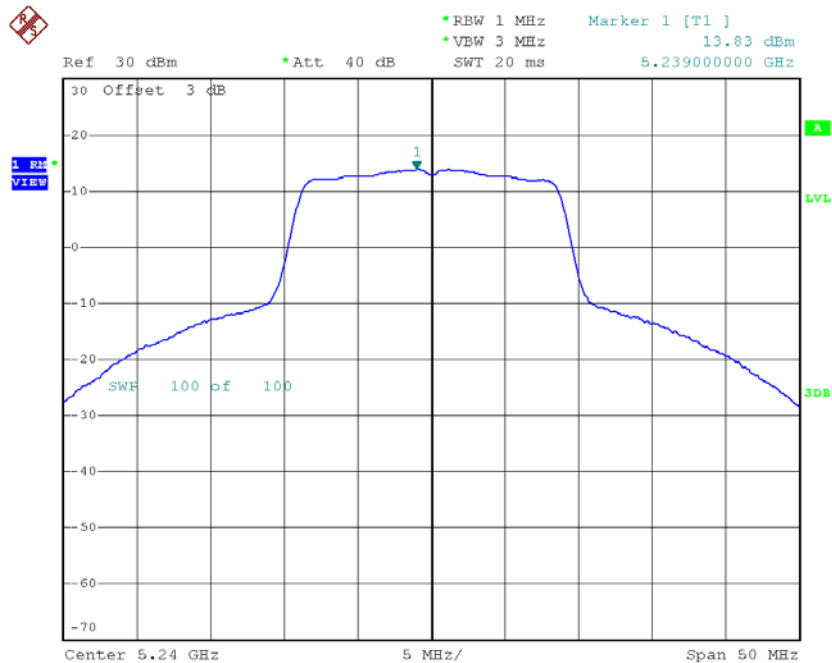
Date: 19.NOV.2018 15:36:07

CH40



Date: 19.NOV.2018 15:37:04

CH48



Date: 19.NOV.2018 15:39:26

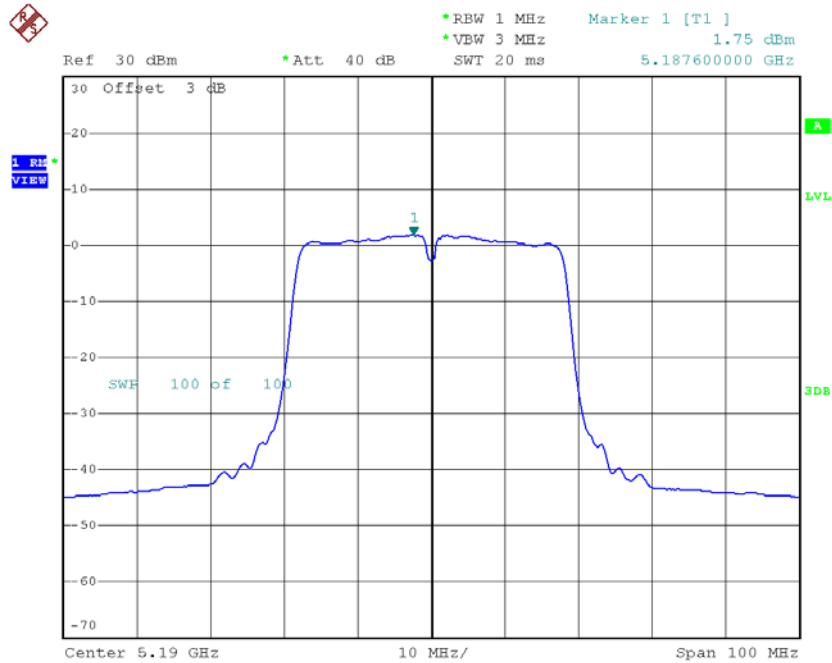
Test Mode: UNII-1/TX N20 Mode_CH36/CH40/CH48_Total

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	16.61	17.00
CH40	5200	16.79	17.00
CH48	5240	16.87	17.00

Test Mode: UNII-1/TX N40 Mode_CH38/CH46_ANT 1

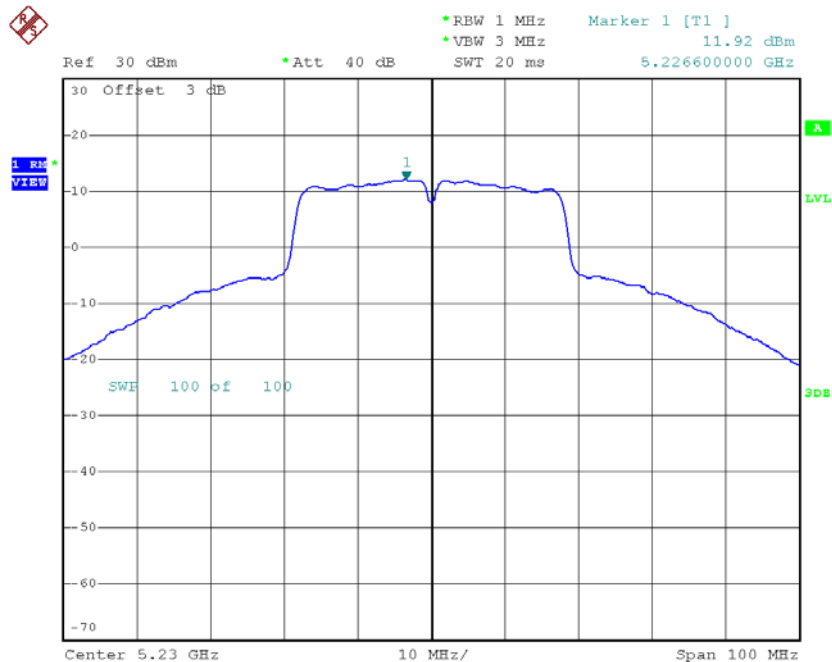
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	1.75	0.23	1.98	17.00
CH46	5230	11.92	0.23	12.15	17.00

CH38



Date: 19.NOV.2018 16:20:35

CH46

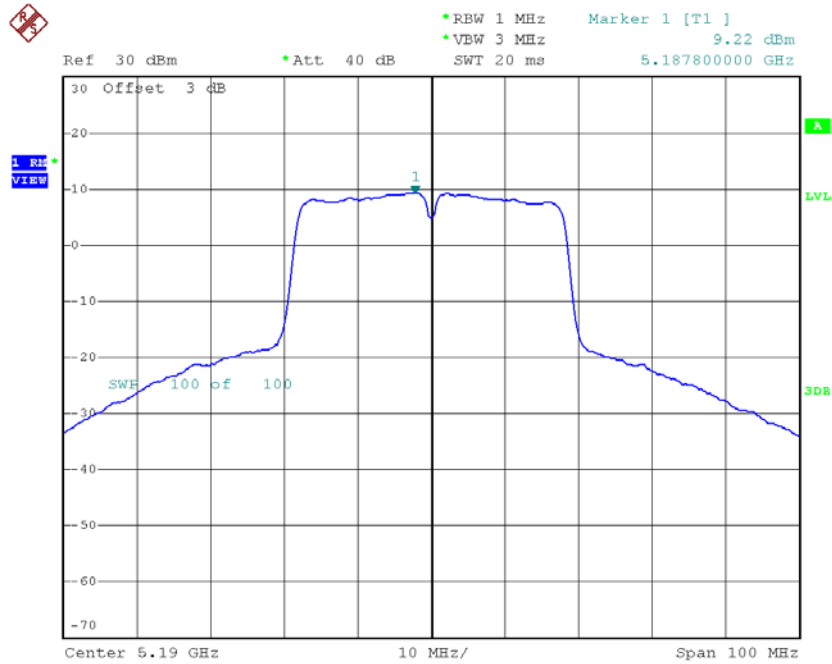


Date: 19.NOV.2018 16:19:30

Test Mode: UNII-1/TX N40 Mode_CH38/CH46_ANT 2

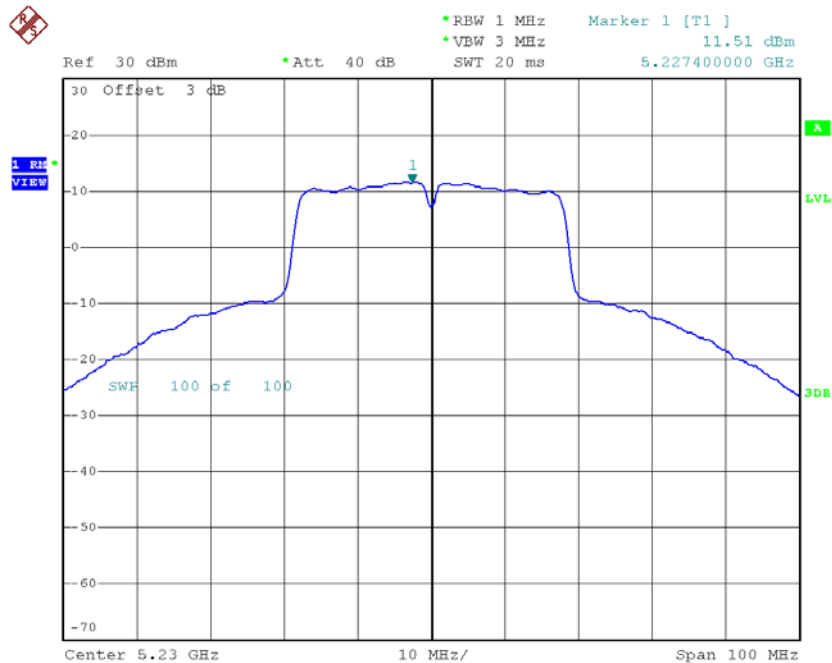
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	9.22	0.23	9.45	17.00
CH46	5230	11.51	0.23	11.74	17.00

CH38



Date: 19.NOV.2018 16:14:47

CH46



Date: 19.NOV.2018 16:16:20

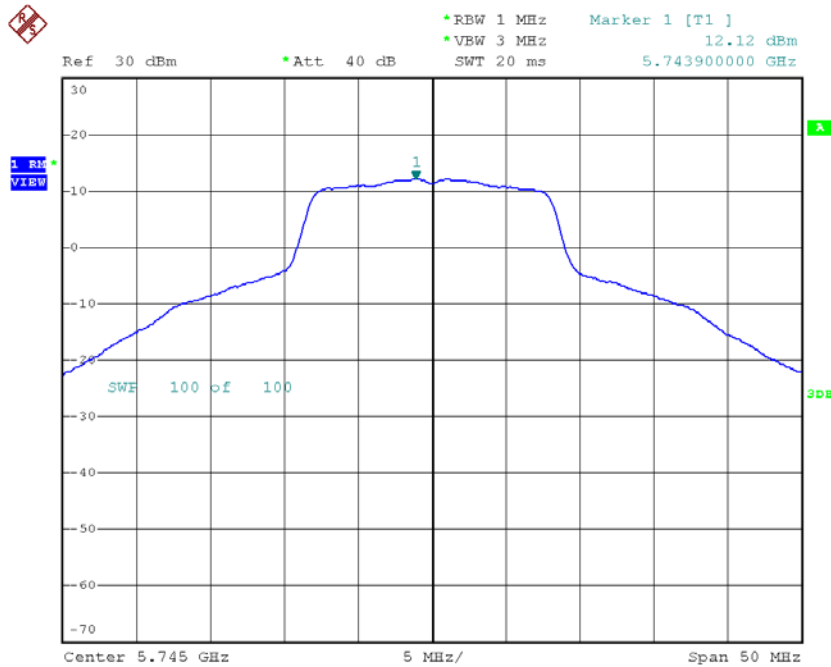
Test Mode: UNII-1/TX N40 Mode_CH38/CH46_Total

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	10.16	17.00
CH46	5230	14.96	17.00

Test Mode: UNII-3/TX A Mode_CH149/CH157/CH165_ANT 1

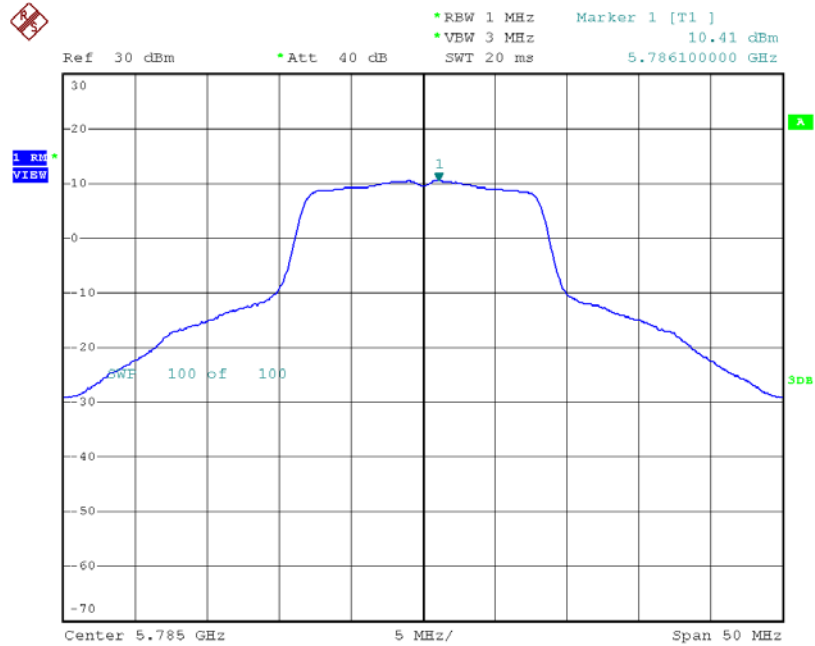
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	12.12	0.00	12.12	30.00
CH157	5785	10.41	0.00	10.41	30.00
CH165	5825	9.91	0.00	9.91	30.00

TX CH149



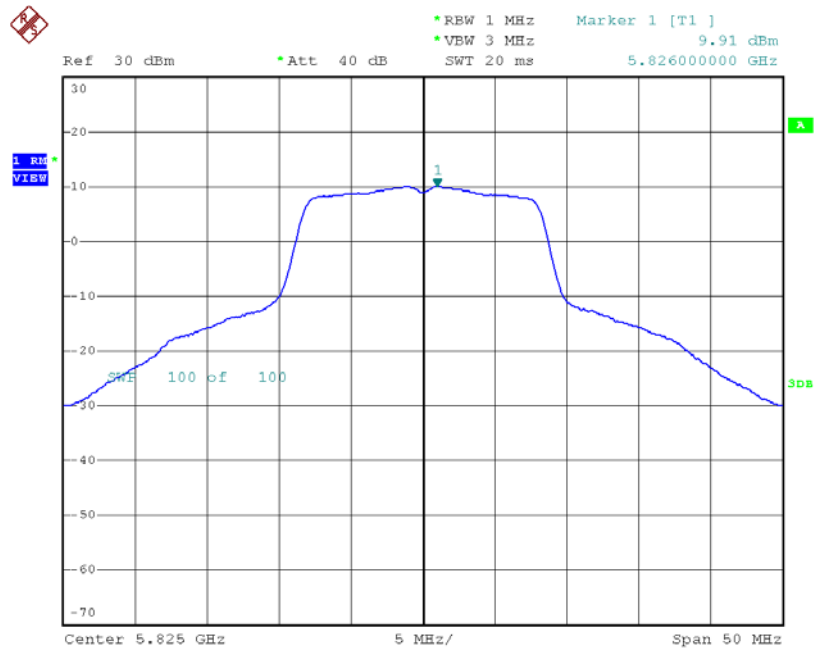
Date: 19.NOV.2018 13:42:21

TX CH157



Date: 19.NOV.2018 13:43:34

TX CH165

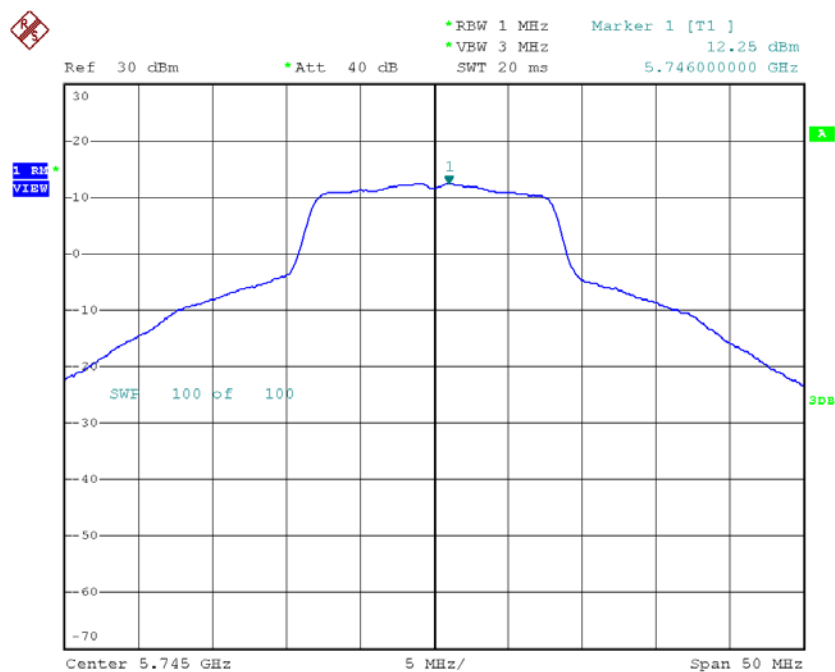


Date: 19.NOV.2018 13:44:36

Test Mode: UNII-3/TX A Mode_CH149/CH157/CH165_ANT 2

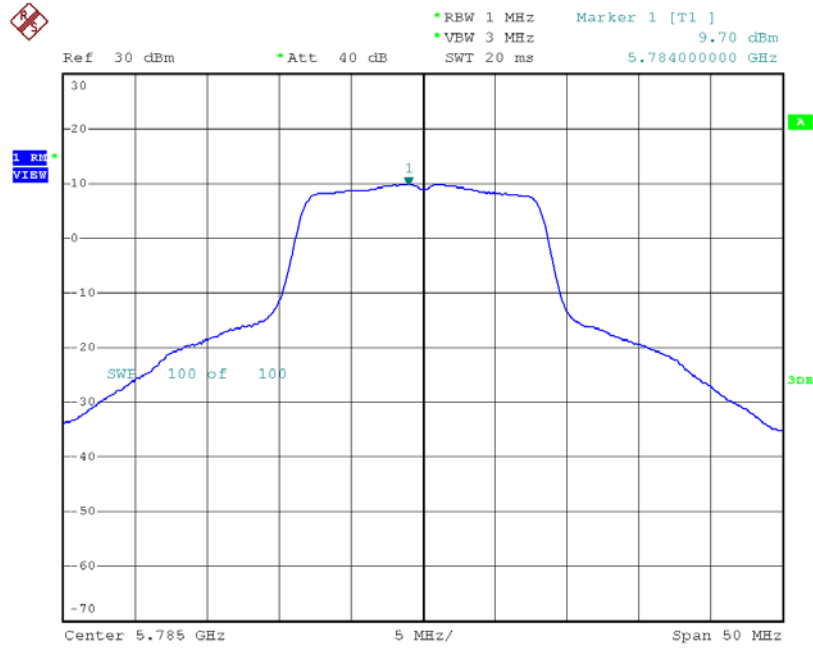
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	12.25	0.00	12.25	30.00
CH157	5785	9.70	0.00	9.70	30.00
CH165	5825	8.58	0.00	8.58	30.00

TX CH149



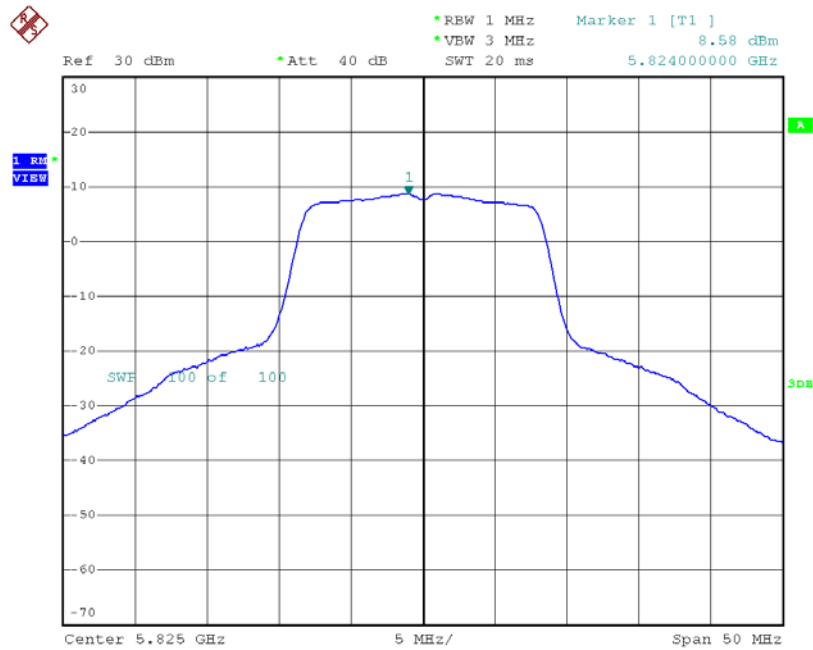
Date: 19.NOV.2018 15:27:01

TX CH157



Date: 19.NOV.2018 15:27:57

TX CH165



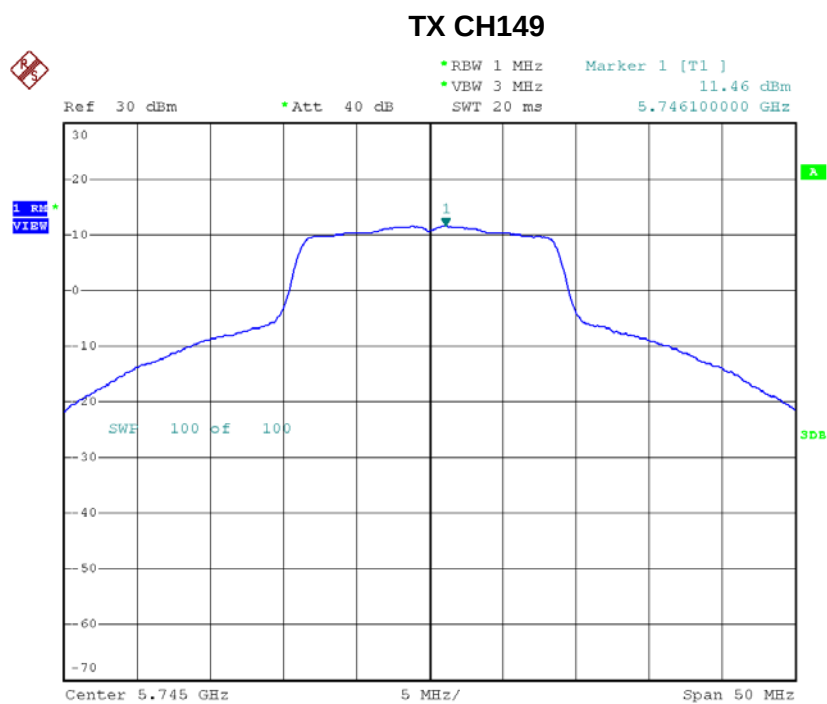
Date: 19.NOV.2018 15:28:46

Test Mode: UNII-3/TX A Mode_CH149/CH157/CH165_Total

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	15.20	30.00
CH157	5785	13.08	30.00
CH165	5825	12.31	30.00

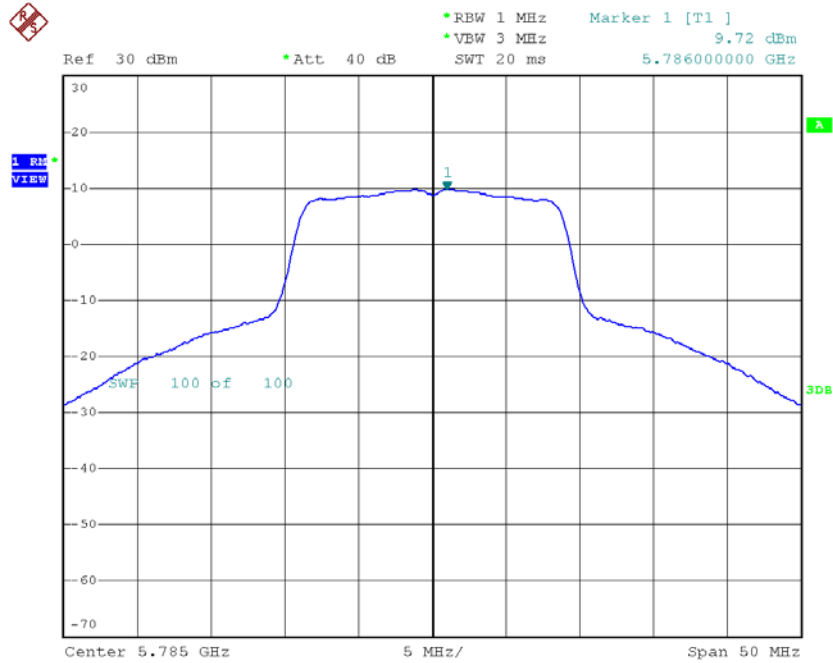
Test Mode: UNII-3/ TX N20 Mode_CH149/CH157/CH165_ANT 1

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	11.46	0.00	11.46	30.00
CH157	5785	9.72	0.00	9.72	30.00
CH165	5825	9.14	0.00	9.14	30.00



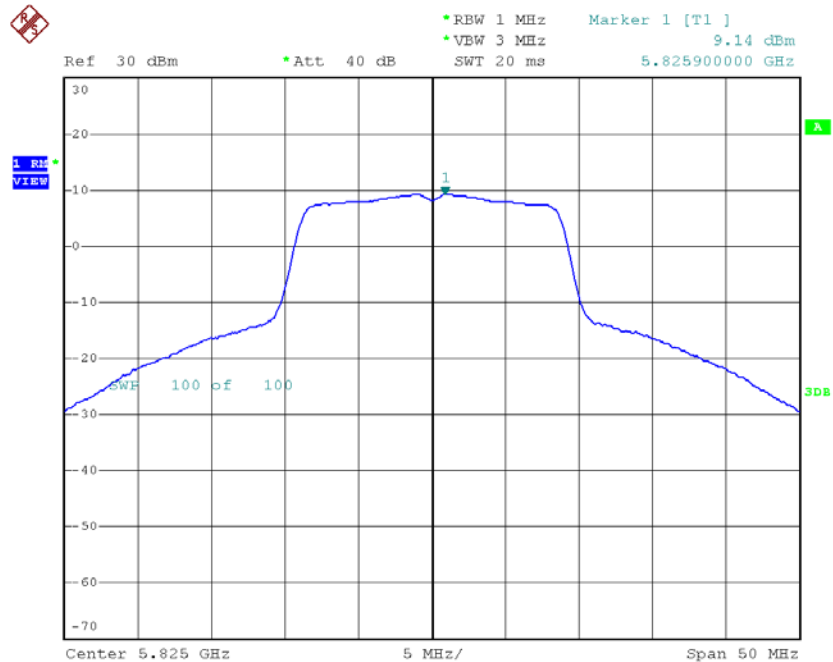
Date: 19.NOV.2018 15:46:57

TX CH157



Date: 19.NOV.2018 15:47:59

TX CH165

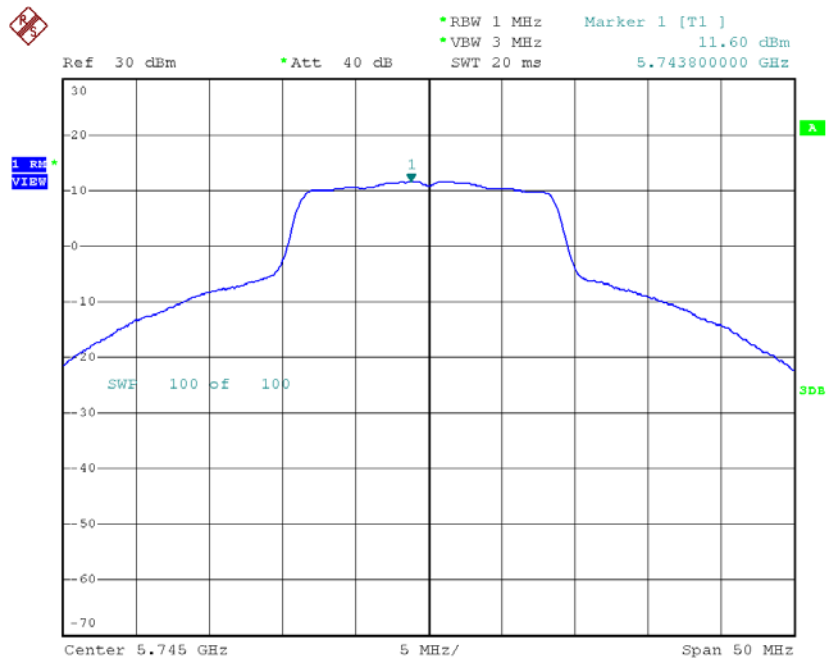


Date: 19.NOV.2018 15:48:57

Test Mode: UNII-3/ TX N20 Mode_CH149/CH157/CH165_ANT 2

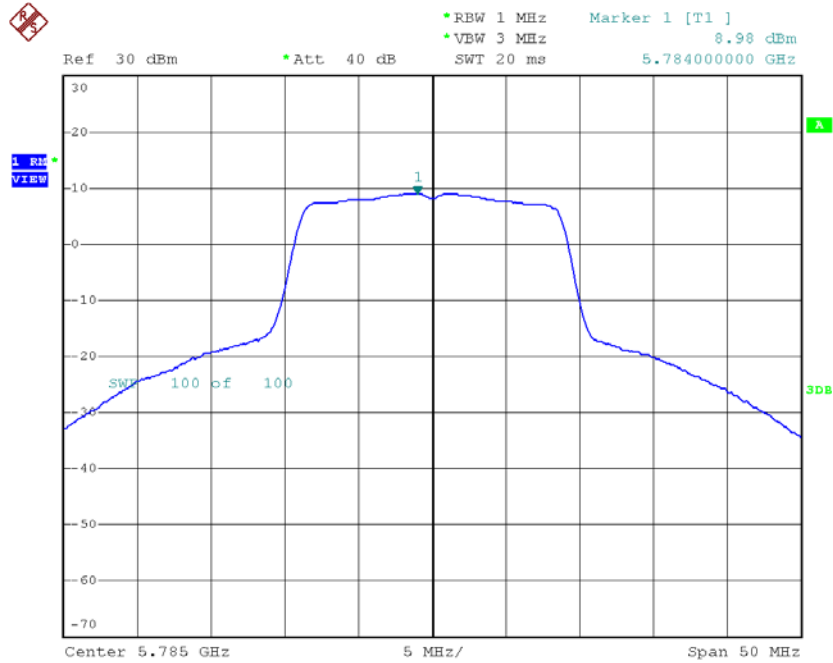
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	11.60	0.00	11.60	30.00
CH157	5785	8.98	0.00	8.98	30.00
CH165	5825	8.06	0.00	8.06	30.00

TX CH149



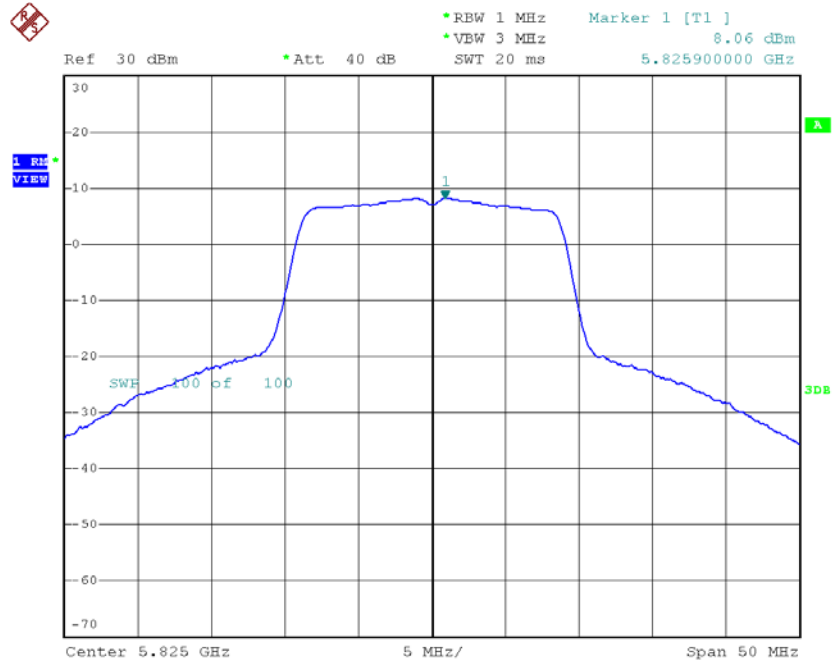
Date: 19.NOV.2018 15:30:34

TX CH157



Date: 19.NOV.2018 15:31:36

TX CH165



Date: 19.NOV.2018 15:32:39

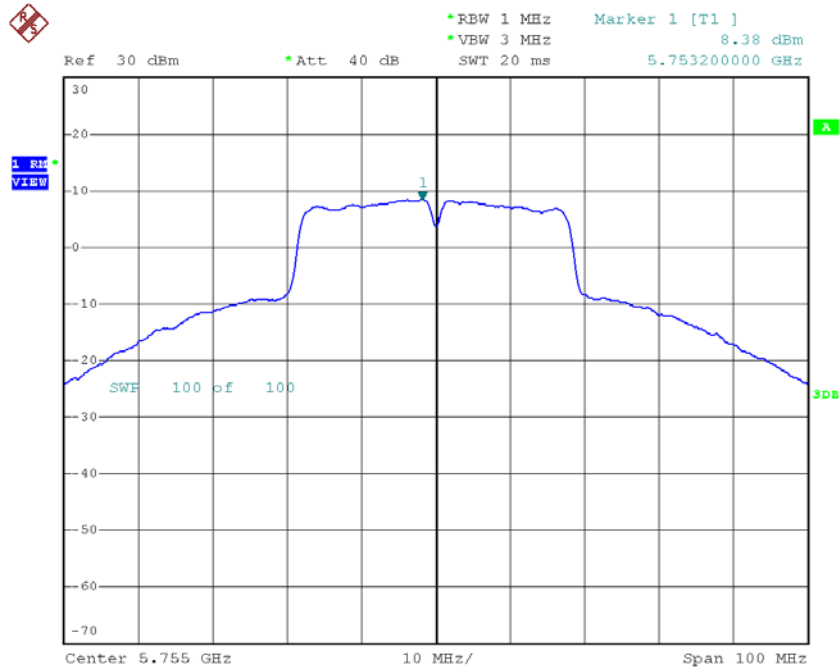
Test Mode: UNII-3/ TX N20 Mode_CH149/CH157/CH165_Total

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	14.54	30.00
CH157	5785	12.38	30.00
CH165	5825	11.64	30.00

Test Mode: UNII-3/ TX N40 Mode_CH151/CH159_ANT 1

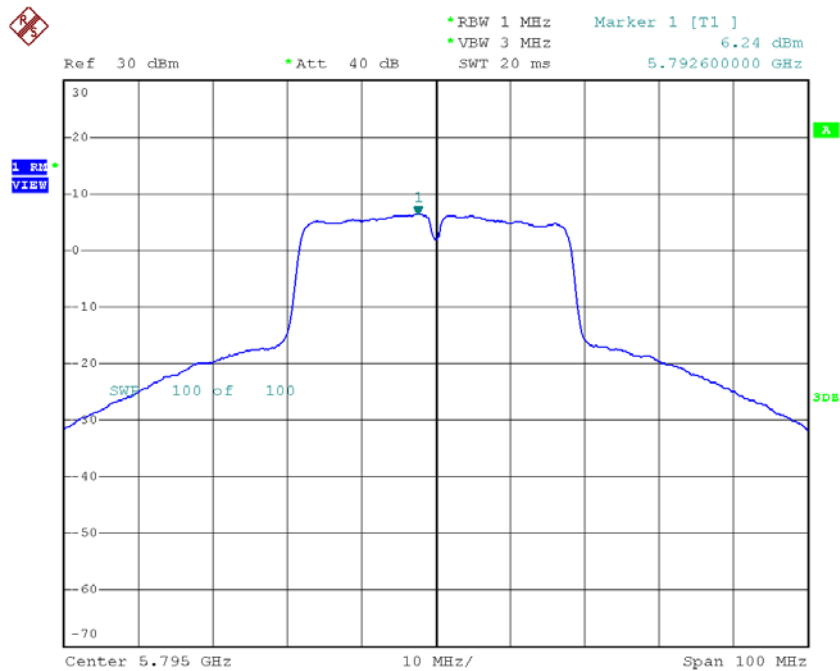
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH151	5755	8.38	0.23	8.61	30.00
CH159	5795	6.24	0.23	6.47	30.00

TX CH151



Date: 19.NOV.2018 16:22:43

TX CH159

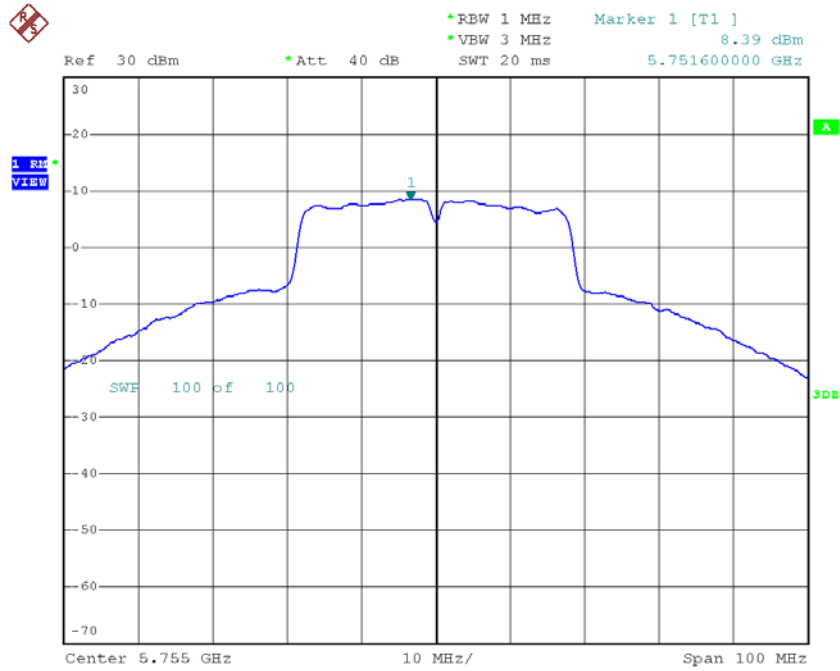


Date: 19.NOV.2018 16:23:40

Test Mode: UNII-3/ TX N40 Mode_CH151/CH159_ANT 2

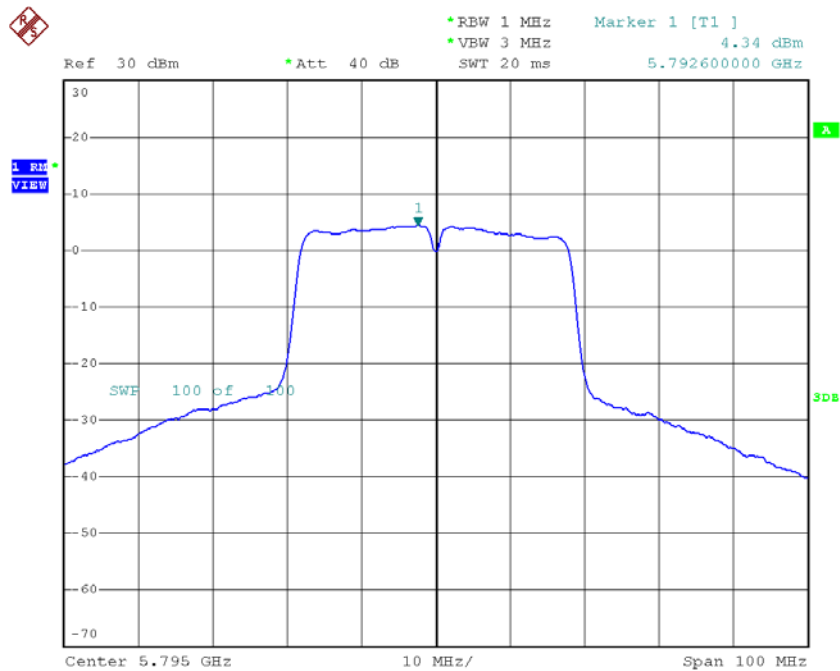
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH151	5755	8.39	0.23	8.62	30.00
CH159	5795	4.34	0.23	4.57	30.00

TX CH151



Date: 19.NOV.2018 16:12:18

TX CH159



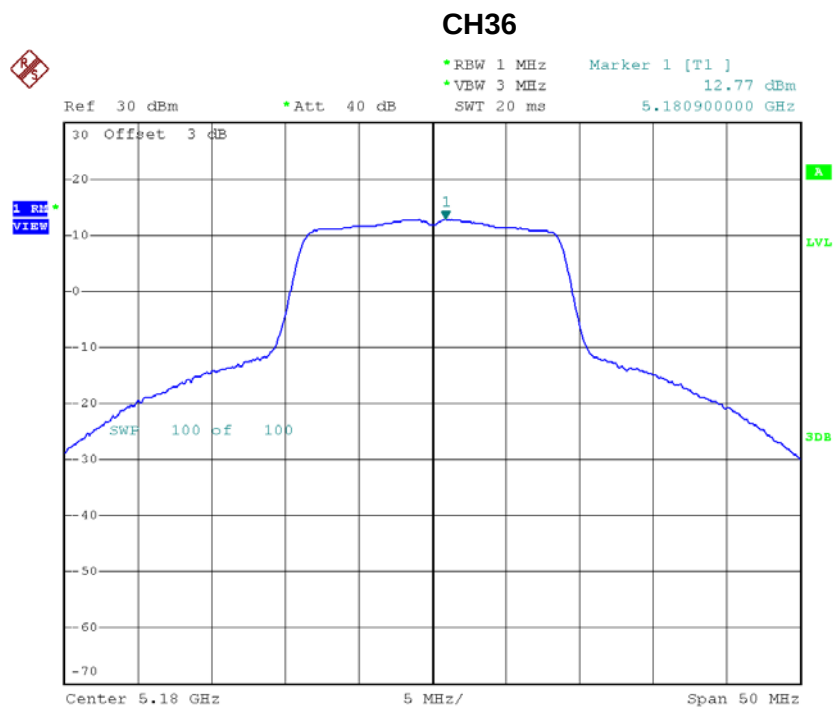
Date: 19.NOV.2018 16:13:17

Test Mode: UNII-3/ TX N40 Mode_CH151/CH159_Total

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Limit (dBm/500kHz)
CH151	5755	11.62	30.00
CH159	5795	8.63	30.00

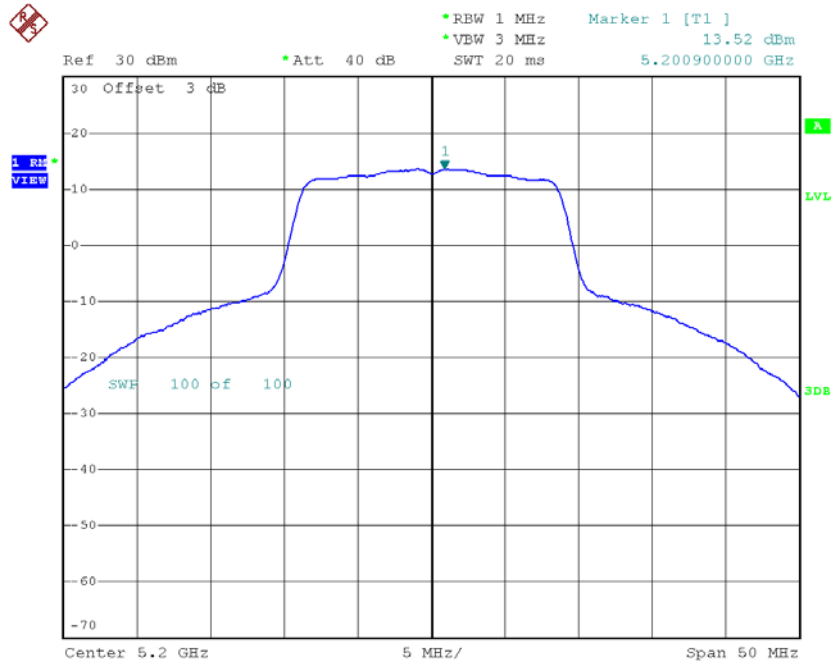
Test Mode: UNII-1/TX AC20 Mode_CH36/CH40/CH48_ANT 1

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	12.77	0.00	12.77	17.00
CH40	5200	13.52	0.00	13.52	17.00
CH48	5240	13.96	0.00	13.96	17.00



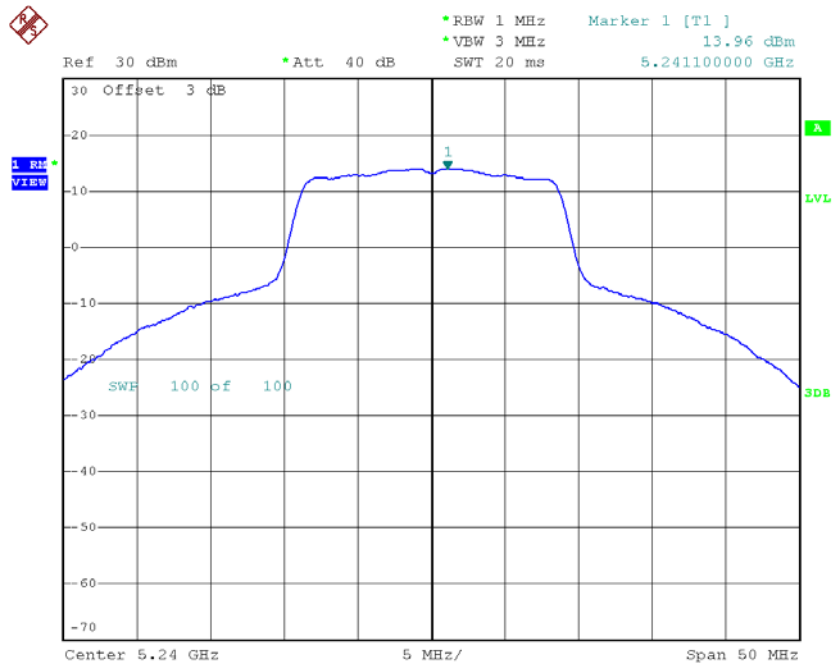
Date: 19.NOV.2018 15:53:49

CH40



Date: 19.NOV.2018 15:54:51

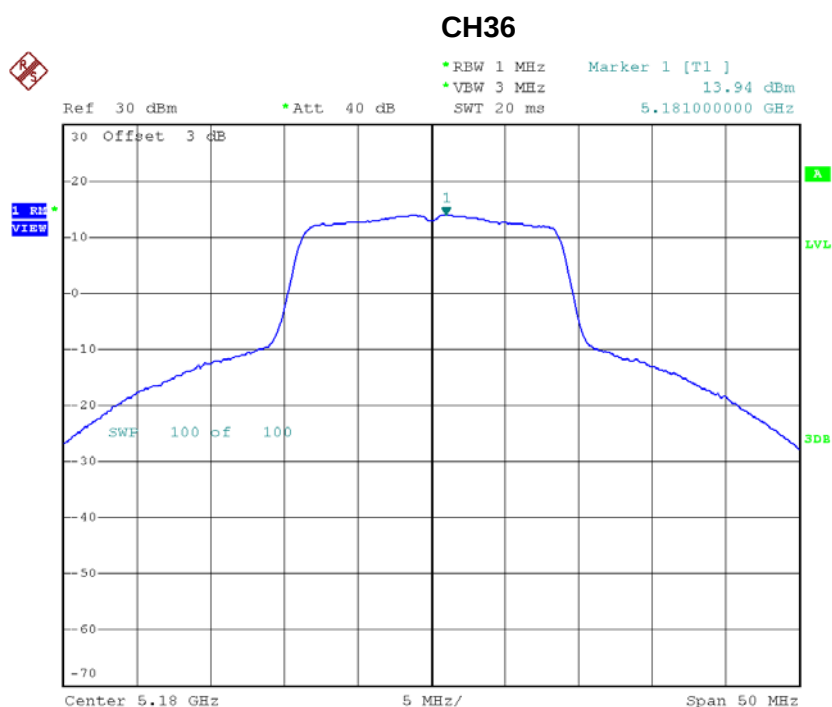
CH48



Date: 19.NOV.2018 15:55:31

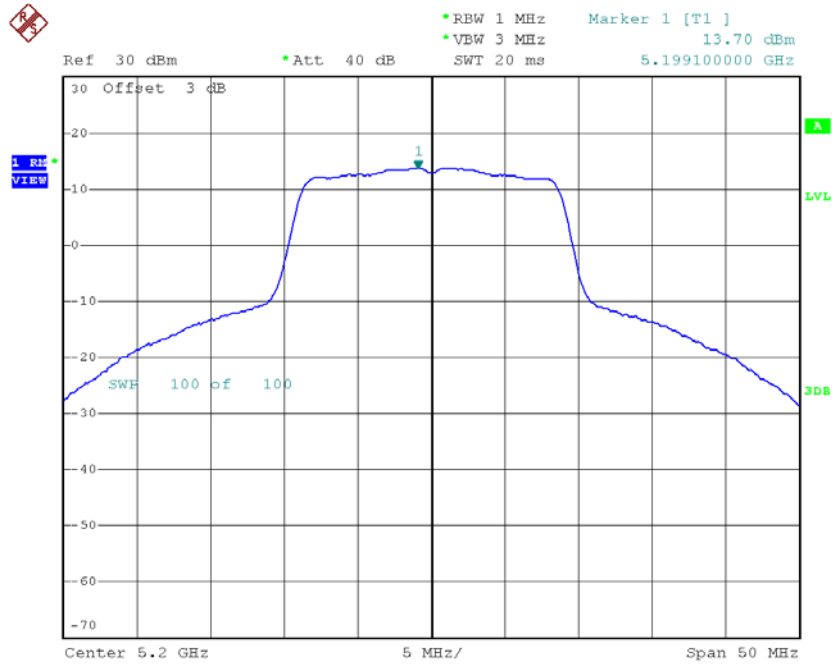
Test Mode: UNII-1/TX AC20 Mode_CH36/CH40/CH48_ANT 2

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	13.94	0.00	13.94	17.00
CH40	5200	13.70	0.00	13.70	17.00
CH48	5240	13.51	0.00	13.51	17.00



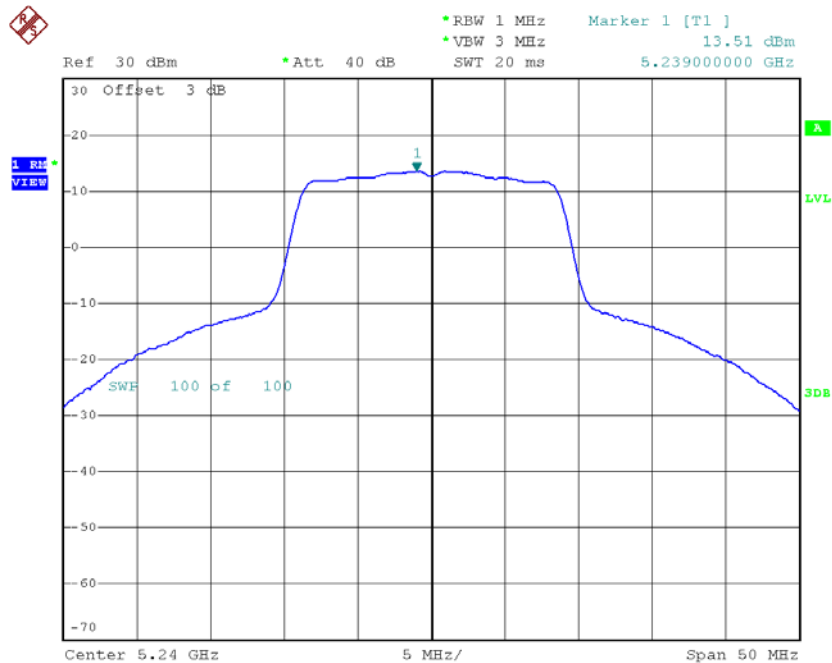
Date: 19.NOV.2018 16:00:33

CH40



Date: 19.NOV.2018 16:01:46

CH48



Date: 19.NOV.2018 16:04:52

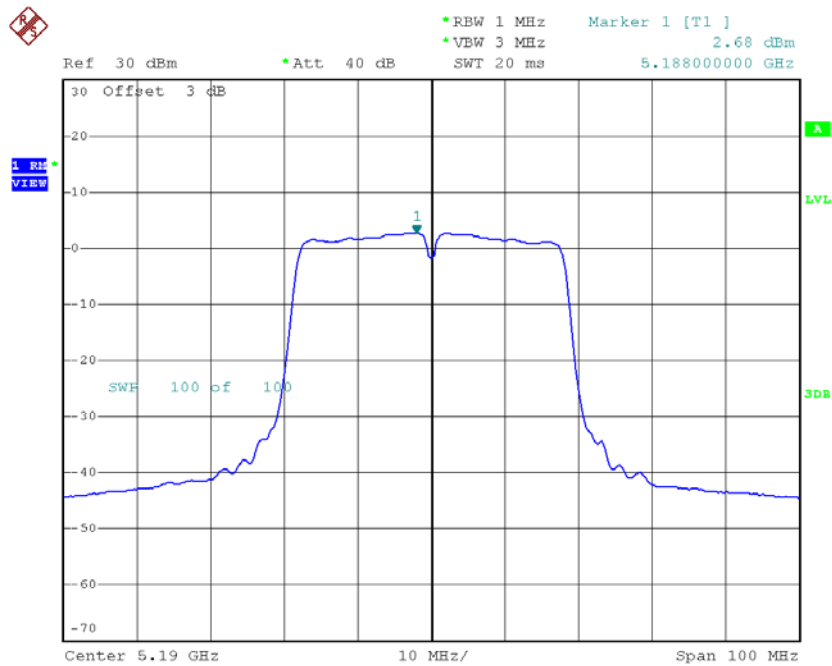
Test Mode: UNII-1/TX AC20 Mode_CH36/CH40/CH48_Total

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	16.40	17.00
CH40	5200	16.62	17.00
CH48	5240	16.75	17.00

Test Mode: UNII-1/TX AC40 Mode_CH38/CH46_ANT 1

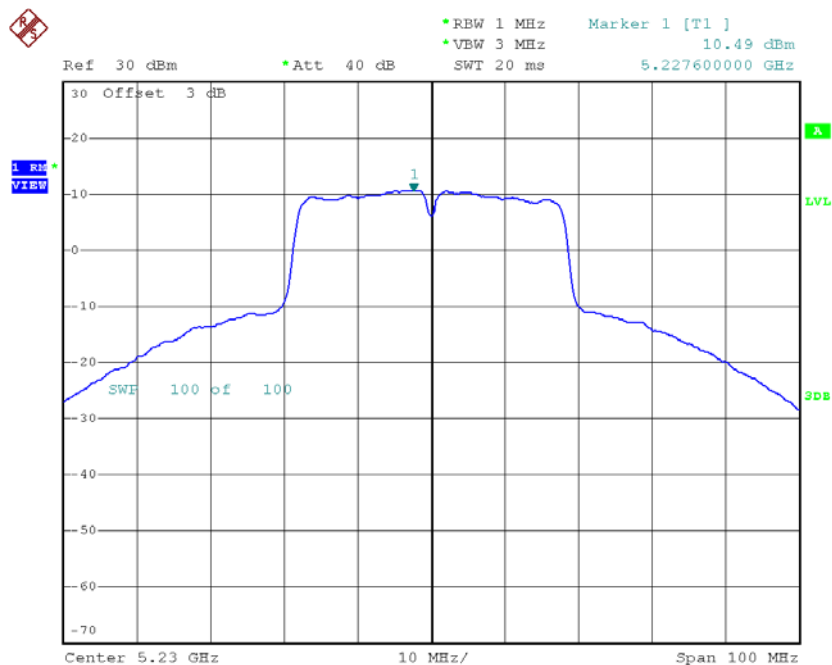
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	2.68	0.19	2.87	17.00
CH46	5230	10.49	0.19	10.68	17.00

CH38



Date: 19.NOV.2018 16:28:09

CH46

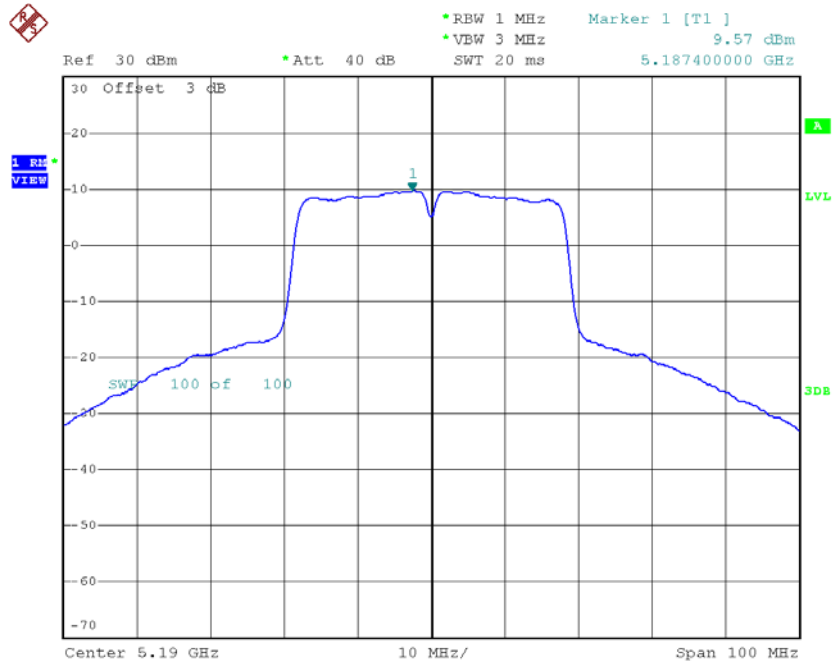


Date: 19.NOV.2018 16:30:35

Test Mode: UNII-1/TX AC40 Mode_CH38/CH46_ANT 2

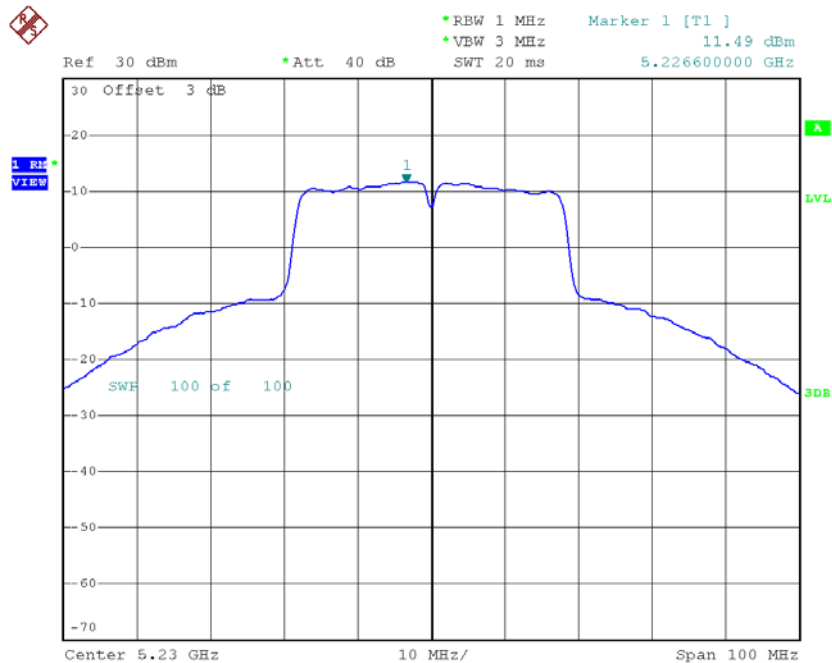
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	9.57	0.19	9.76	17.00
CH46	5230	11.49	0.19	11.68	17.00

CH38



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CH46



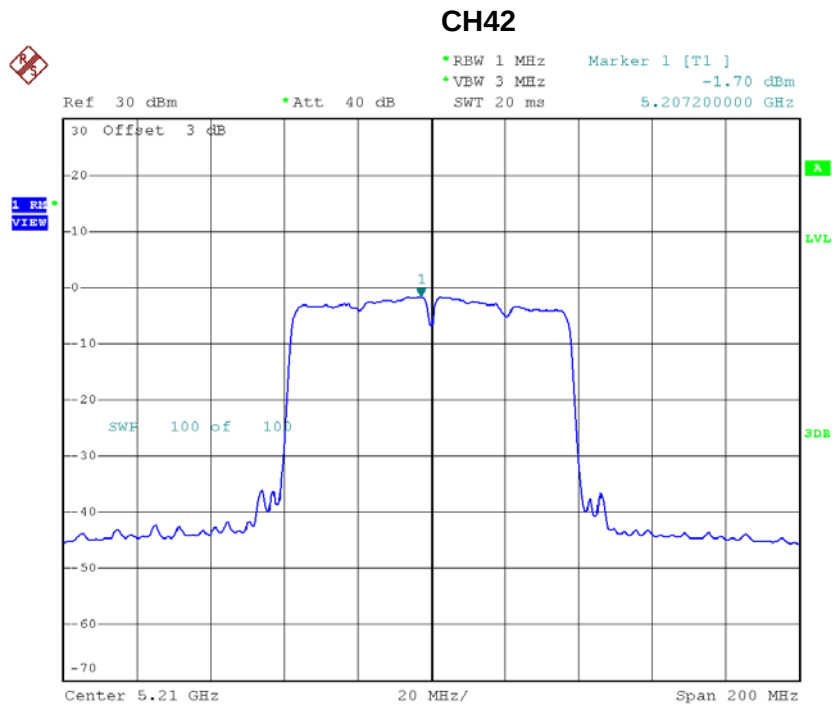
Date: 19.NOV.2018 16:36:44

Test Mode: UNII-1/TX AC40 Mode_CH38/CH46_Total

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	10.57	17.00
CH46	5230	14.22	17.00

Test Mode: UNII-1/TX AC80 Mode_CH42_ANT 1

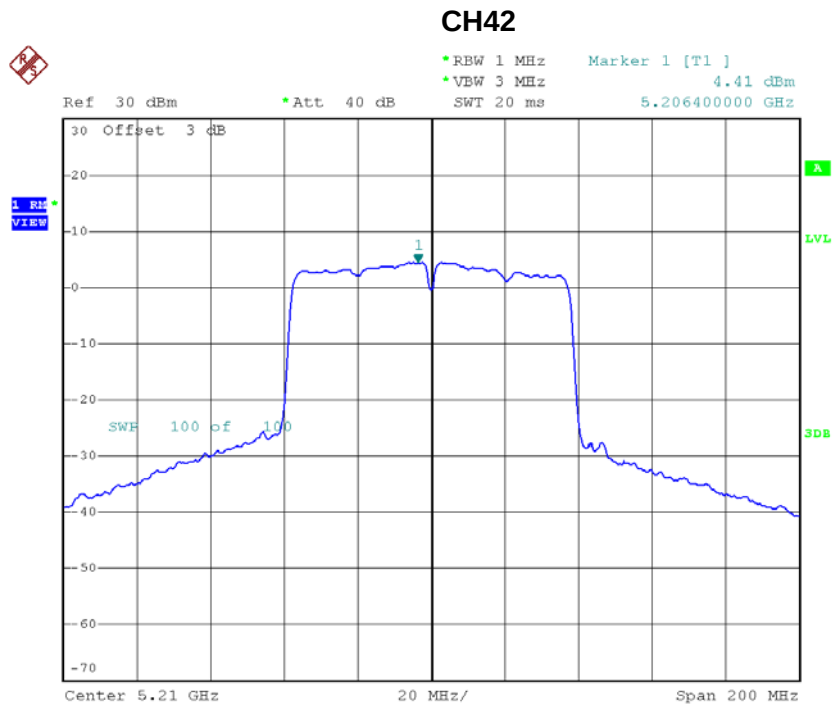
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH42	5210	-1.70	0.60	-1.10	17.00



Date: 19.NOV.2018 16:52:28

Test Mode: UNII-1/TX AC80 Mode_CH42_ANT 2

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH42	5210	4.41	0.60	5.01	17.00



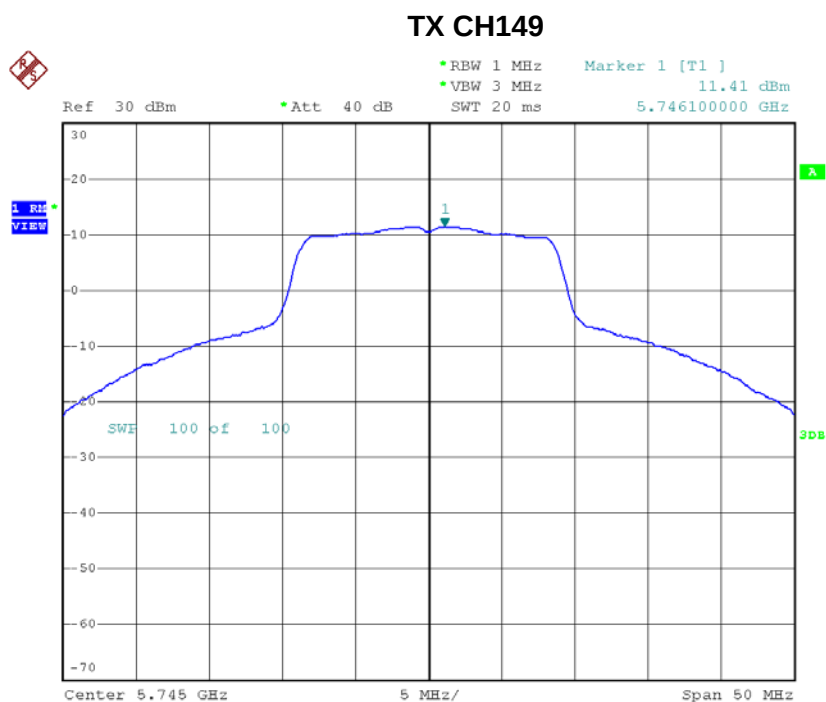
Date: 19.NOV.2018 16:51:05

Test Mode: UNII-1/TX AC80 Mode_CH42_Total

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH42	5210	5.96	17.00

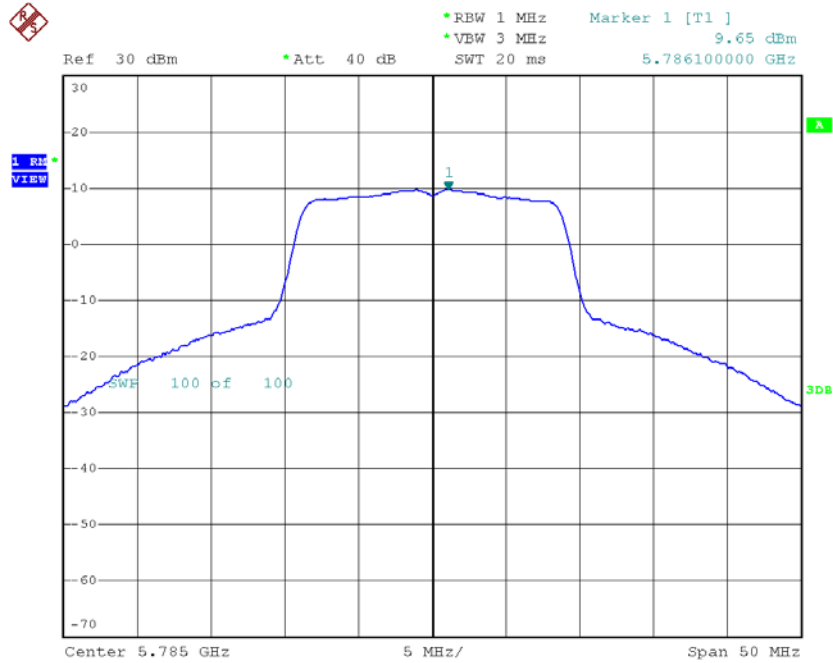
Test Mode: UNII-3/ TX AC20 Mode_CH149/CH157/CH165_ANT 1

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	11.41	0.00	11.41	30.00
CH157	5785	9.65	0.00	9.65	30.00
CH165	5825	9.10	0.00	9.10	30.00



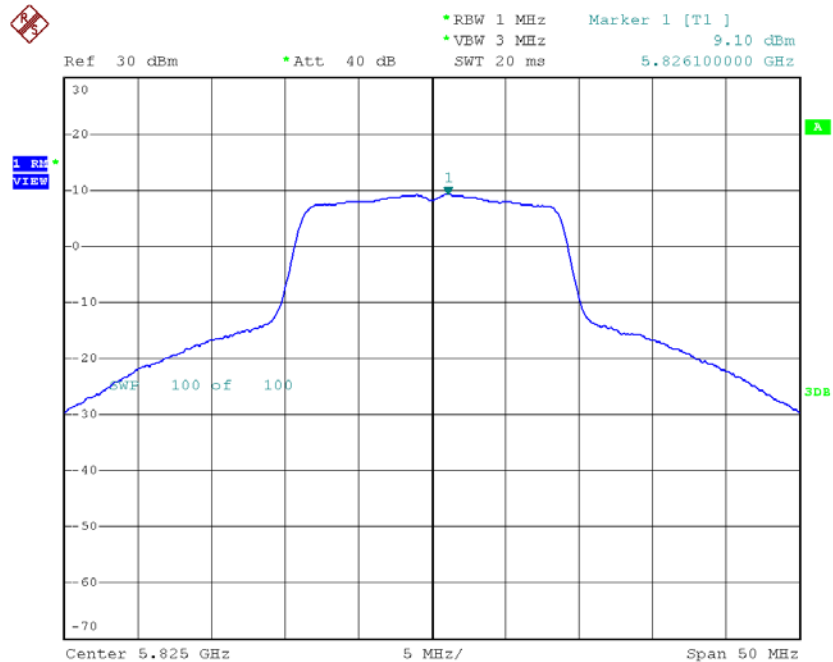
Date: 19.NOV.2018 15:50:26

TX CH157



Date: 19.NOV.2018 15:51:35

TX CH165

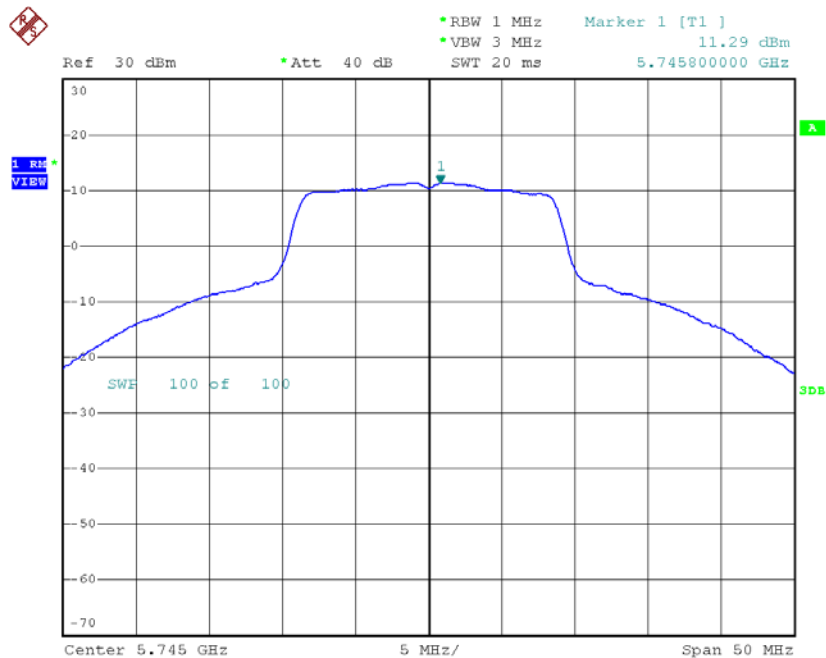


Date: 19.NOV.2018 15:52:35

Test Mode: UNII-3/ TX AC20 Mode_CH149/CH157/CH165_ANT 2

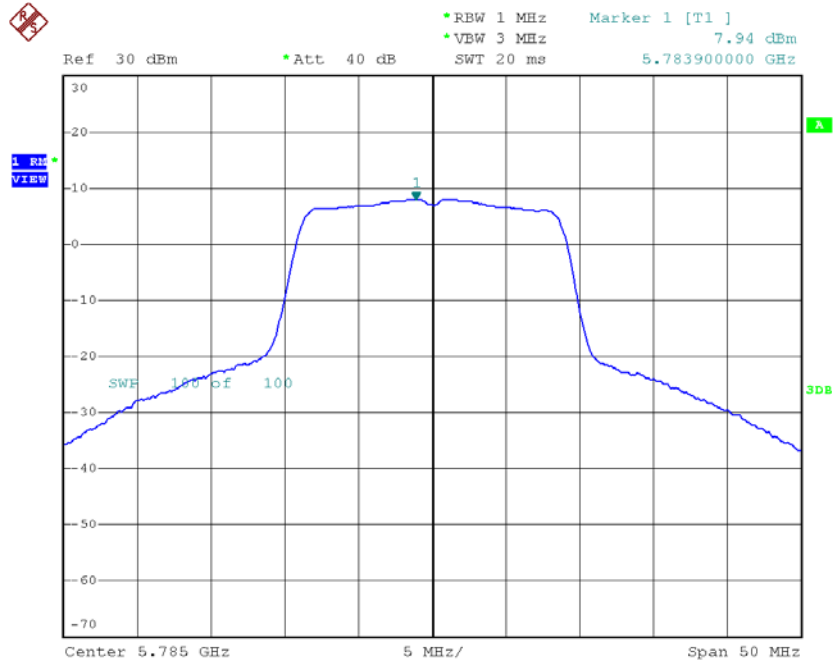
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	11.29	0.00	11.29	30.00
CH157	5785	7.94	0.00	7.94	30.00
CH165	5825	7.36	0.00	7.36	30.00

TX CH149



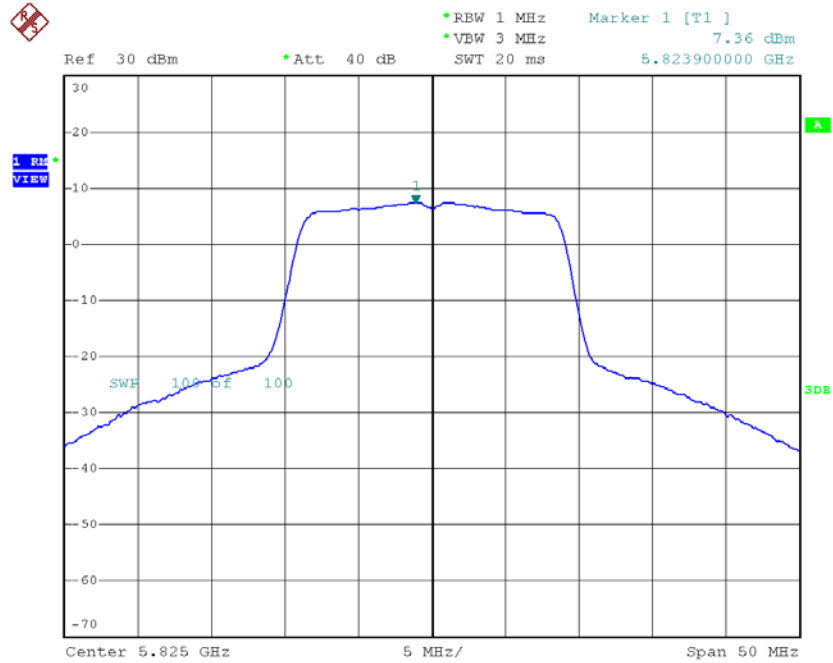
Date: 19.NOV.2018 16:07:15

TX CH157



Date: 19.NOV.2018 16:09:05

TX CH165



Date: 19.NOV.2018 16:10:06

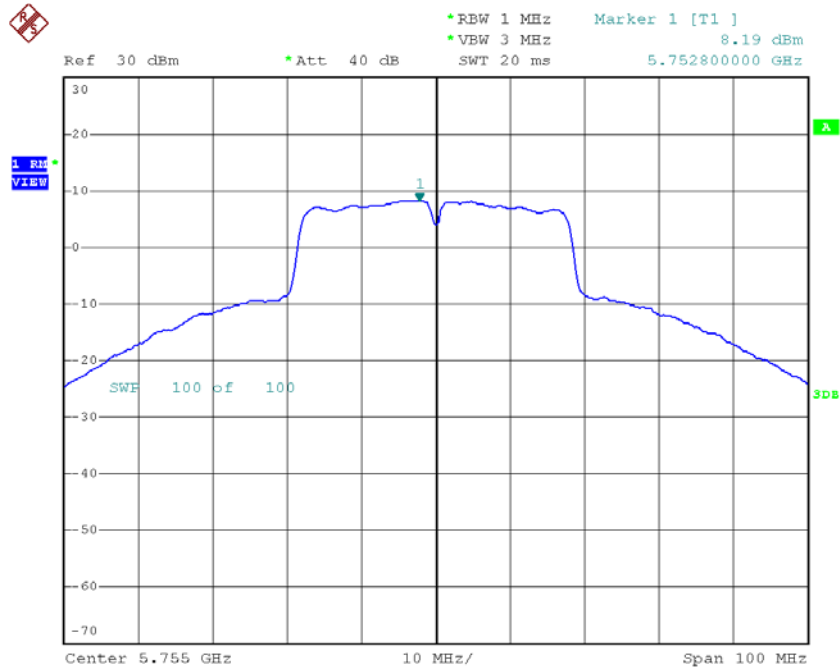
Test Mode: UNII-3/ TX AC20 Mode_CH149/CH157/CH165_Total

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	14.36	30.00
CH157	5785	11.89	30.00
CH165	5825	11.33	30.00

Test Mode: UNII-3/ TX AC40 Mode_CH151/CH159_ANT 1

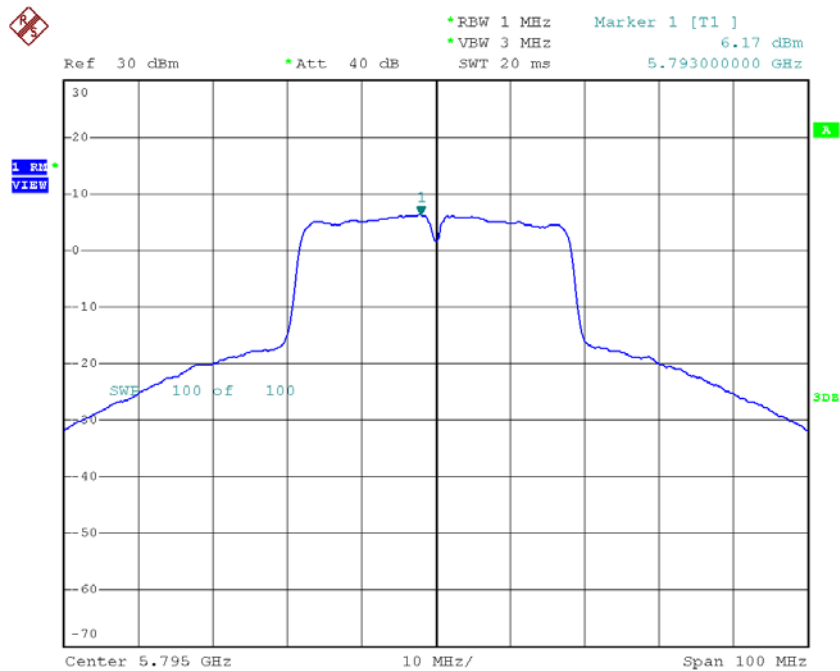
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH151	5755	8.19	0.19	8.38	30.00
CH159	5795	6.17	0.19	6.36	30.00

TX CH151



Date: 19.NOV.2018 16:25:20

TX CH159

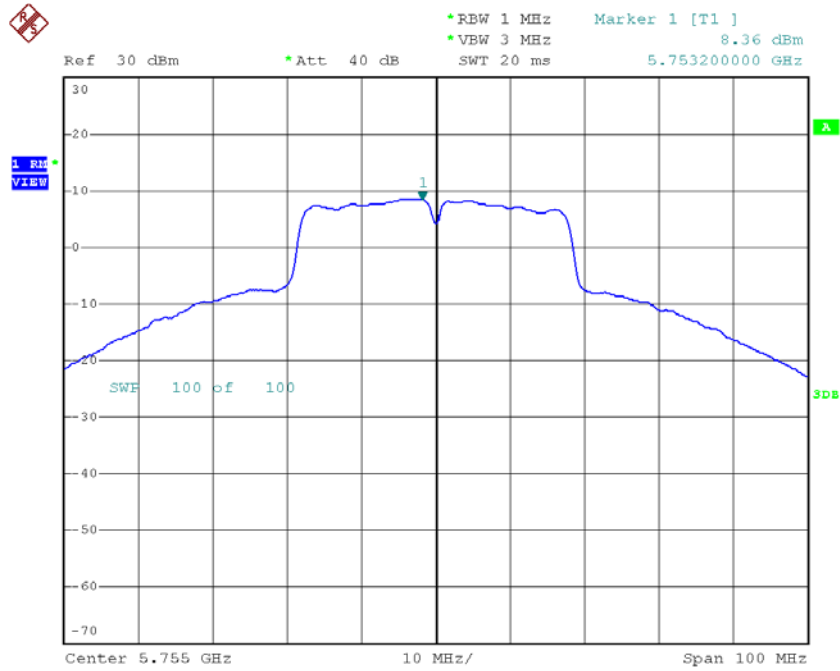


Date: 19.NOV.2018 16:26:28

Test Mode: UNII-3/ TX AC40 Mode_CH151/CH159_ANT 2

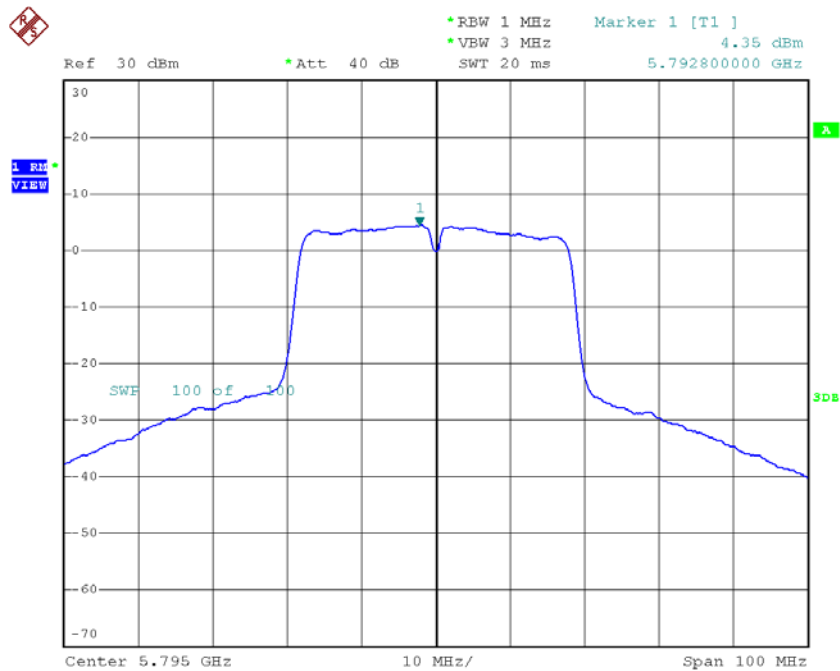
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH151	5755	8.36	0.19	8.55	30.00
CH159	5795	4.35	0.19	4.54	30.00

TX CH151



Date: 19.NOV.2018 16:40:50

TX CH159



Date: 19.NOV.2018 16:41:54

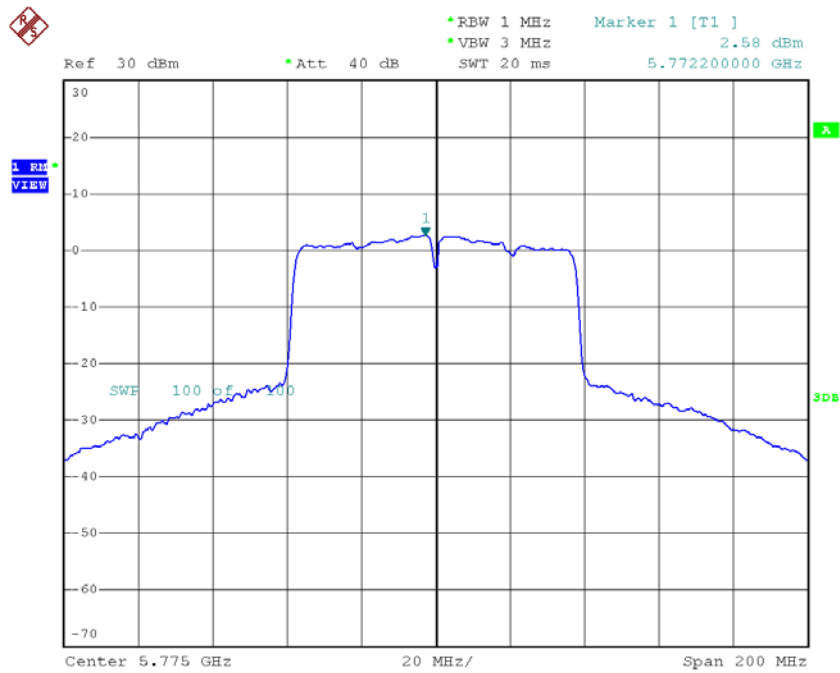
Test Mode: UNII-3/ TX AC40 Mode_CH151/CH159_Total

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Limit (dBm/500kHz)
CH151	5755	11.48	30.00
CH159	5795	8.56	30.00

Test Mode: UNII-3/ TX AC80 Mode_CH155_ANT 1

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH155	5775	2.58	0.60	3.18	30.00

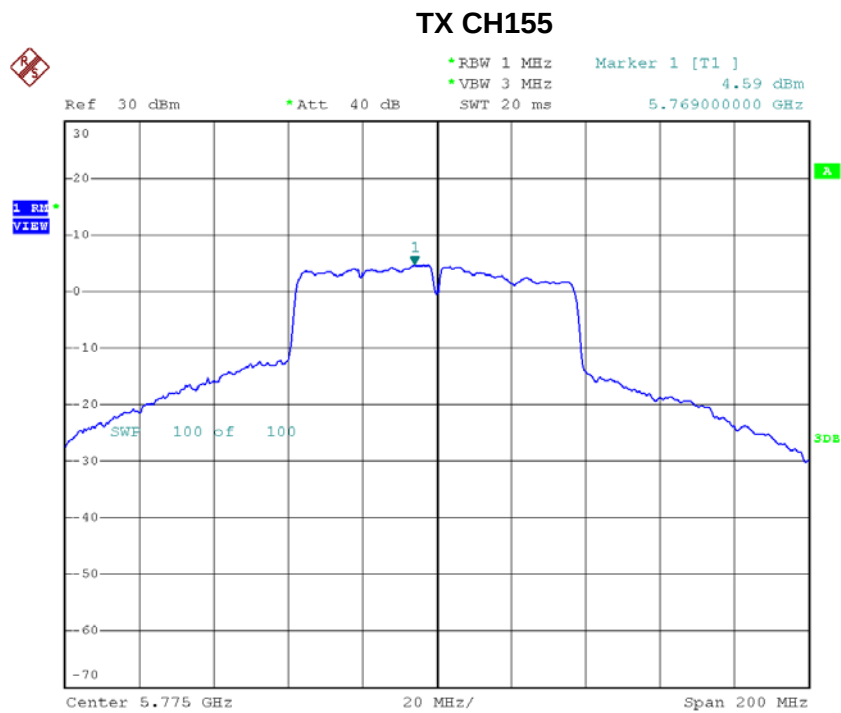
TX CH155



Date: 19.NOV.2018 16:54:39

Test Mode: UNII-3/ TX AC80 Mode_CH155_ANT 2

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH155	5775	4.59	0.60	5.19	30.00



Date: 19.NOV.2018 16:45:56

Test Mode: UNII-3/ TX AC80 Mode_CH155_Total

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Limit (dBm/500kHz)
CH155	5775	7.31	30.00

APPENDIX H - FREQUENCY STABILITY

Test Mode:	UNII-1
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Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5180.0000
132	5180.0550
120	5180.0550
108	5180.0399
Max. Deviation (MHz)	0.0550
Max. Deviation (ppm)	10.6226

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(°C)	5180.0000
0	5180.0399
10	5180.0550
20	5180.0399
30	5180.0550
40	5180.0550
Max. Deviation (MHz)	0.0550
Max. Deviation (ppm)	10.6202

Test Mode:	UNII-3
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Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5745.0000
132	5745.0599
120	5745.0550
108	5745.0600
Max. Deviation (MHz)	0.0600
Max. Deviation (ppm)	10.4417

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(°C)	5745.0000
0	5745.0750
10	5745.0550
20	5745.0750
30	5745.0550
40	5745.0702
Max. Deviation (MHz)	0.0750
Max. Deviation (ppm)	13.0570

End of Test Report