TX AC40 Mode_DUTY CYCLE

Duty cycle = T_{ON} / T_{Total}

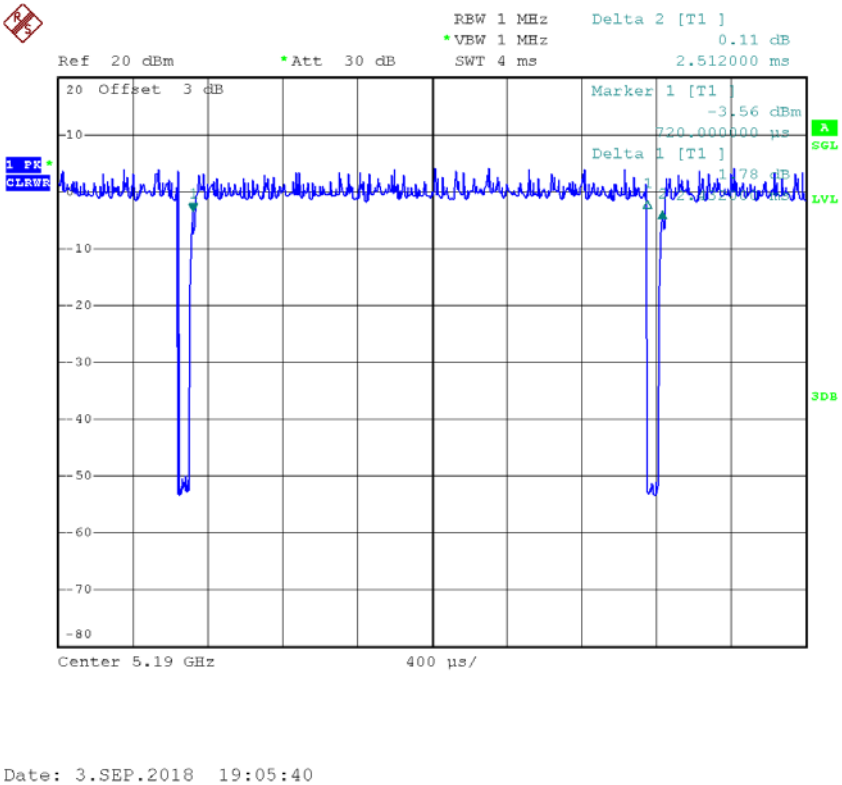
T_{ON}: 2.432 msec

T_{Total}: 2.512 msec

Duty cycle: 96.82%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.14



Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle < 98 %, so, the output power and power density should be cacluated as Output Power = Measured power + Ducy factor
Power Spectral Density = Measured density + Duty factor

TX AC80 Mode_DUTY CYCLE

Duty cycle = T_{ON} / T_{Total}

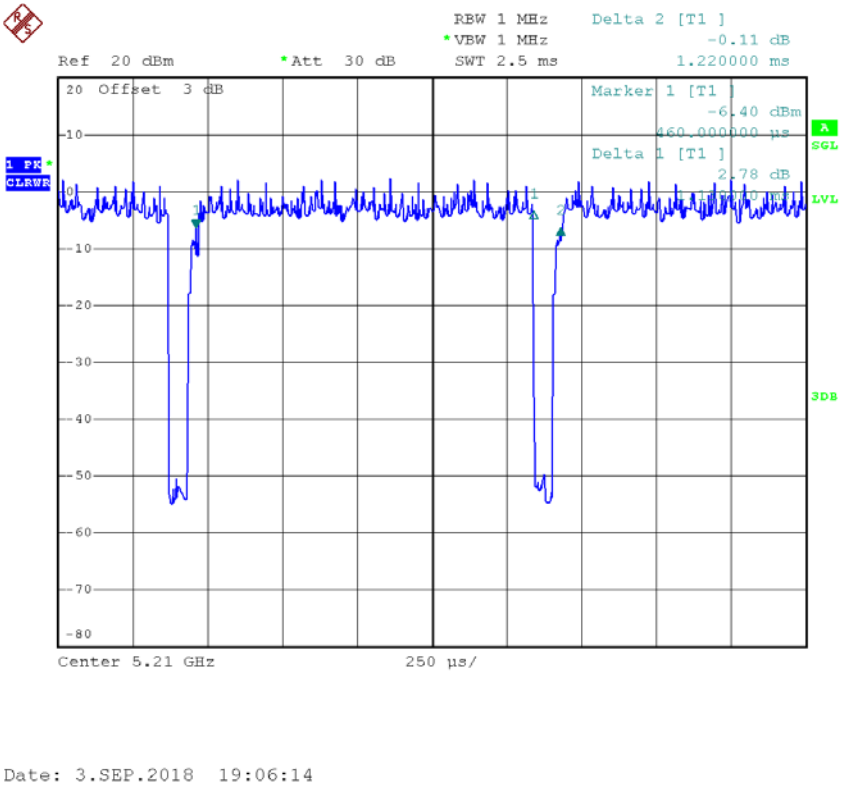
T_{ON}: 1.130 msec

T_{Total}: 1.220 msec

Duty cycle: 92.62%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.33



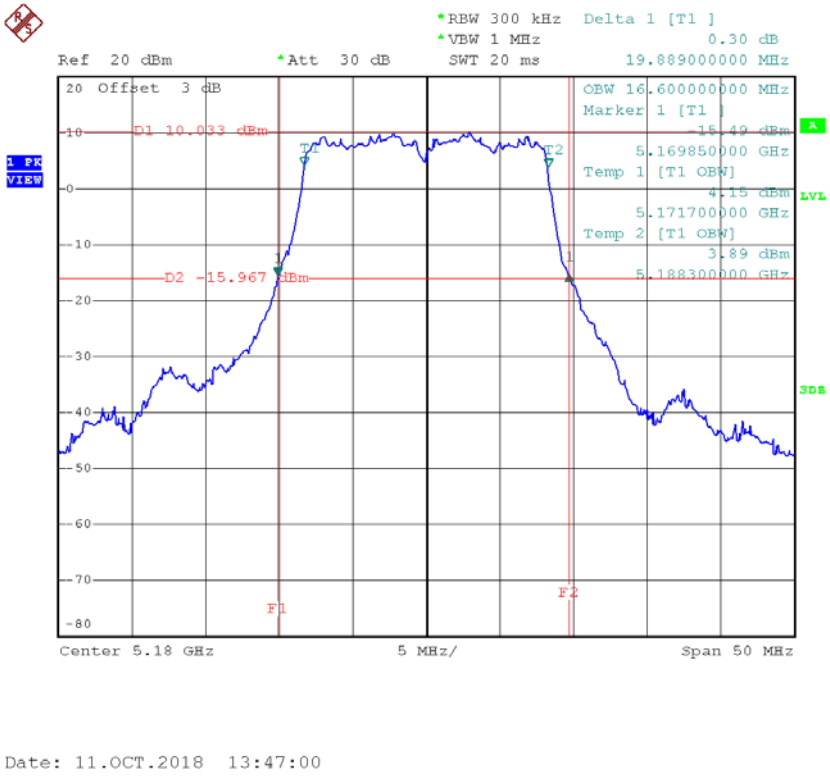
Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle < 98 %, so, the output power and power density should be cacluated as Output Power = Measured power + Ducy factor
Power Spectral Density = Measured density + Duty factor

APPENDIX E - BANDWIDTH

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

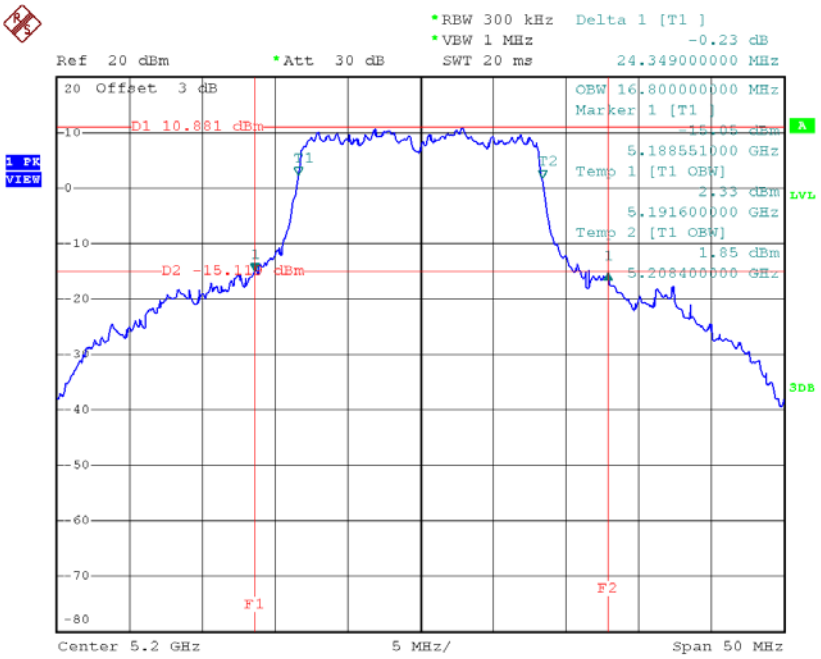
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	19.89	16.60
CH40	5200	24.35	16.80
CH48	5240	34.25	17.40

TX CH36



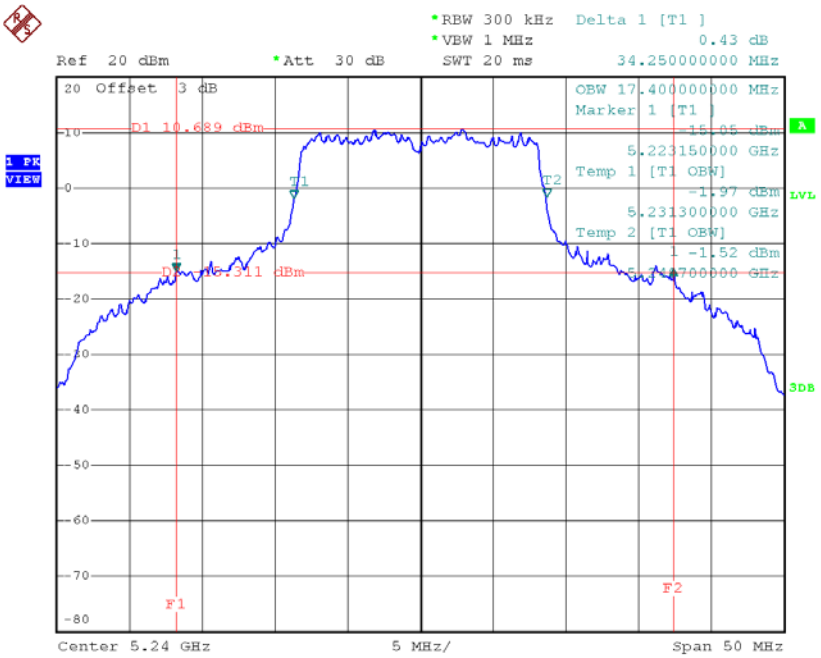
Date: 11.OCT.2018 13:47:00

TX CH40



Date: 18.SEP.2018 14:10:44

TX CH48

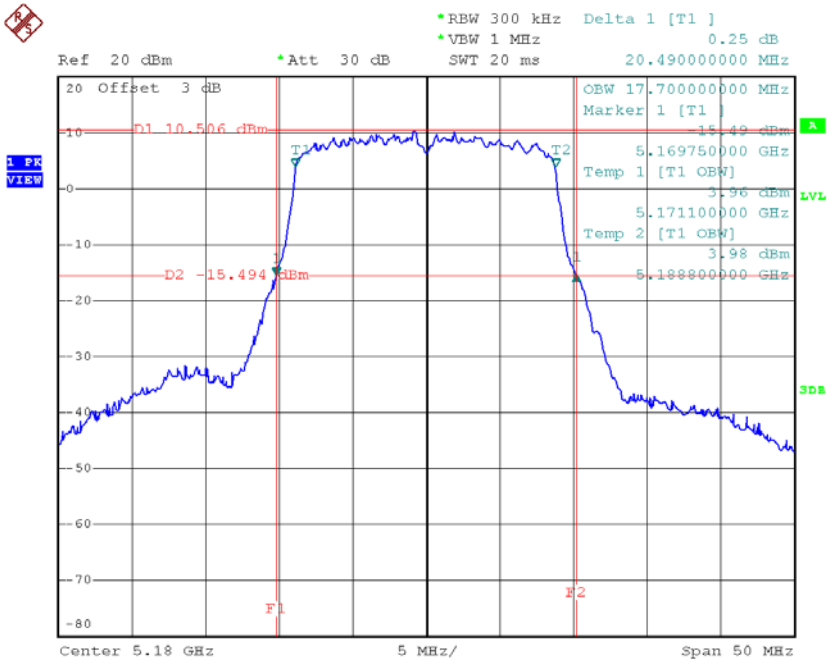


Date: 18.SEP.2018 14:11:28

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

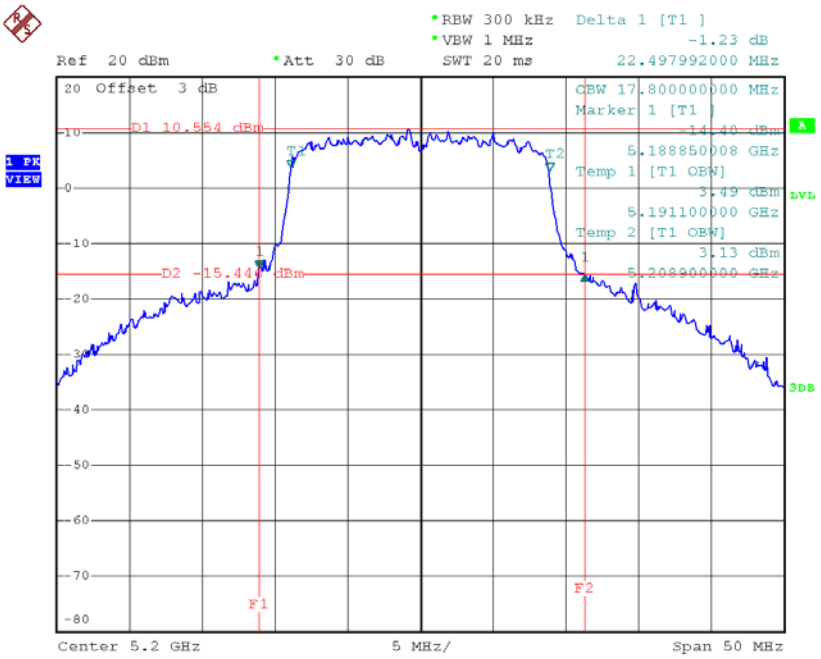
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	20.49	17.70
CH40	5200	22.50	17.80
CH48	5240	33.65	18.20

TX CH36



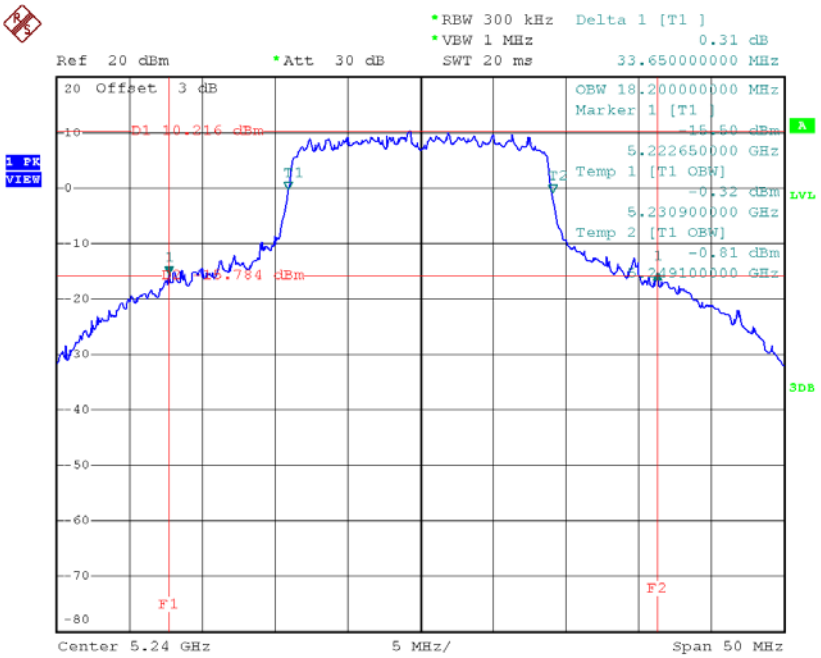
Date: 11.OCT.2018 13:52:55

TX CH40



Date: 18.SEP.2018 14:18:27

TX CH48

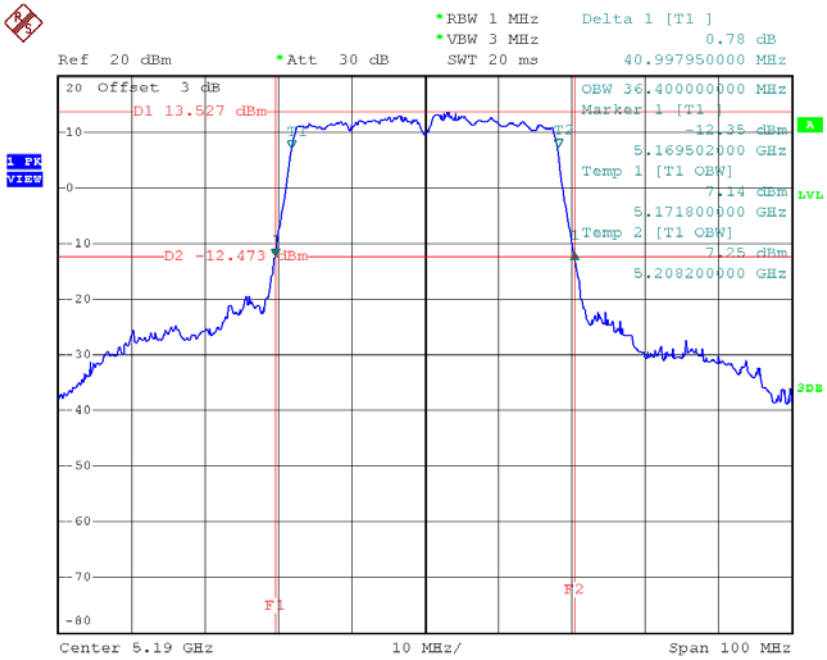


Date: 18.SEP.2018 14:19:15

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

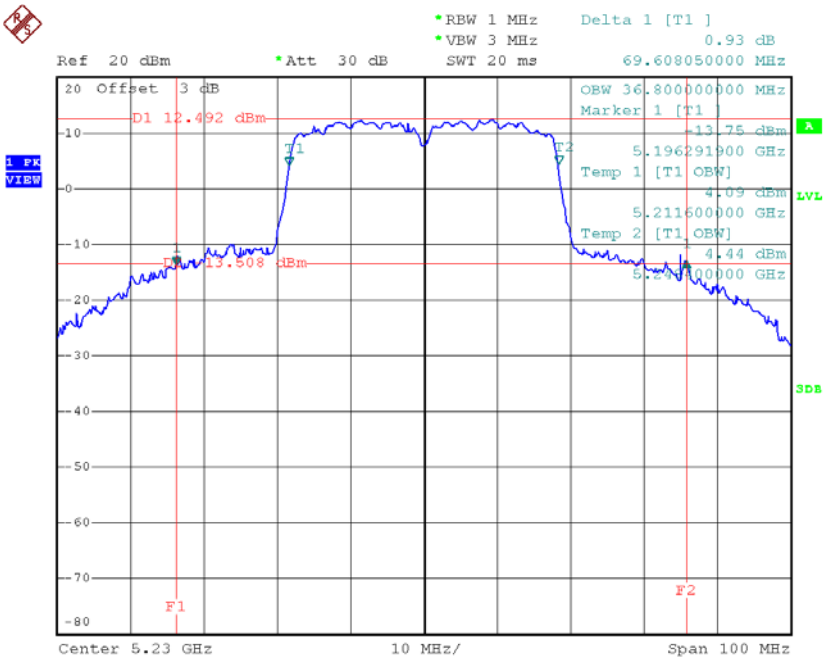
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH38	5190	41.00	36.40
CH46	5230	69.61	36.80

TX CH38



Date: 11.OCT.2018 13:55:25

TX CH46

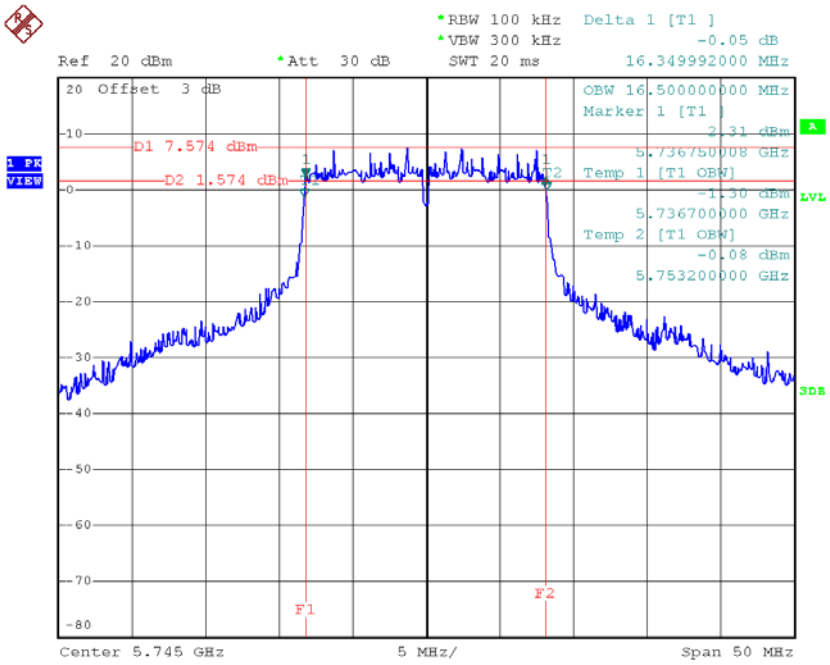


Date: 18.SEP.2018 14:31:18

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

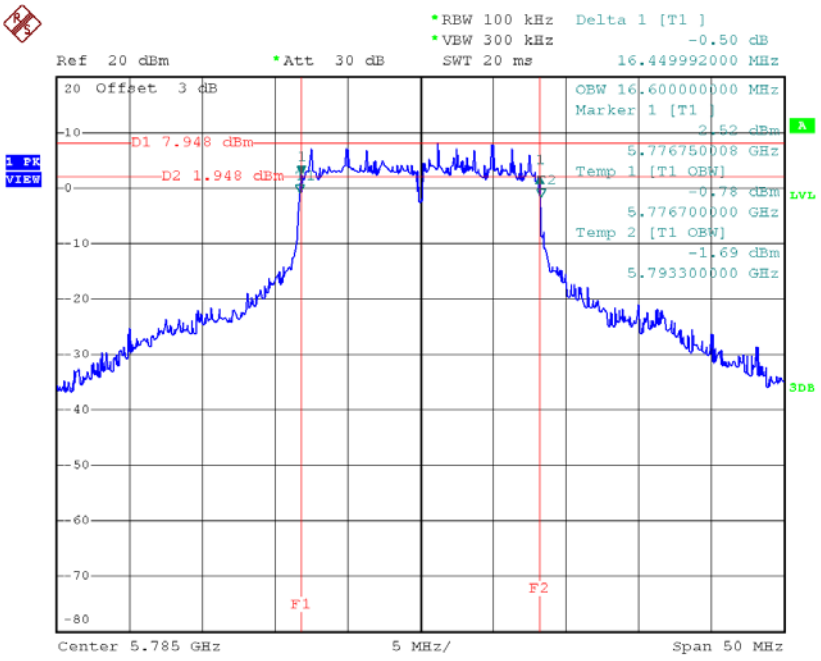
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	16.35	16.50	>=500
CH157	5785	16.45	16.60	>=500
CH165	5825	16.39	16.60	>=500

TX CH 149



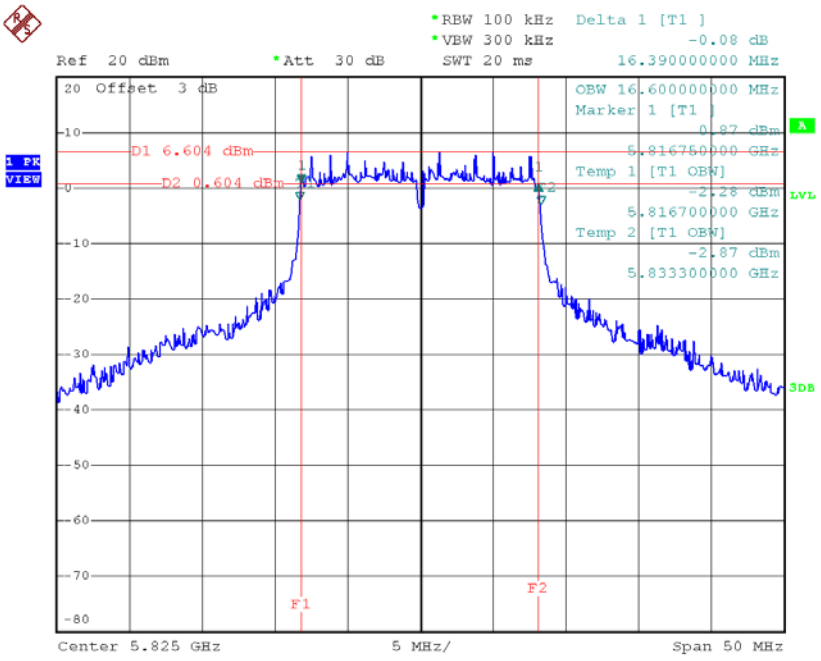
Date: 18.SEP.2018 14:12:37

TX CH 157



Date: 18.SEP.2018 14:13:30

TX CH 165

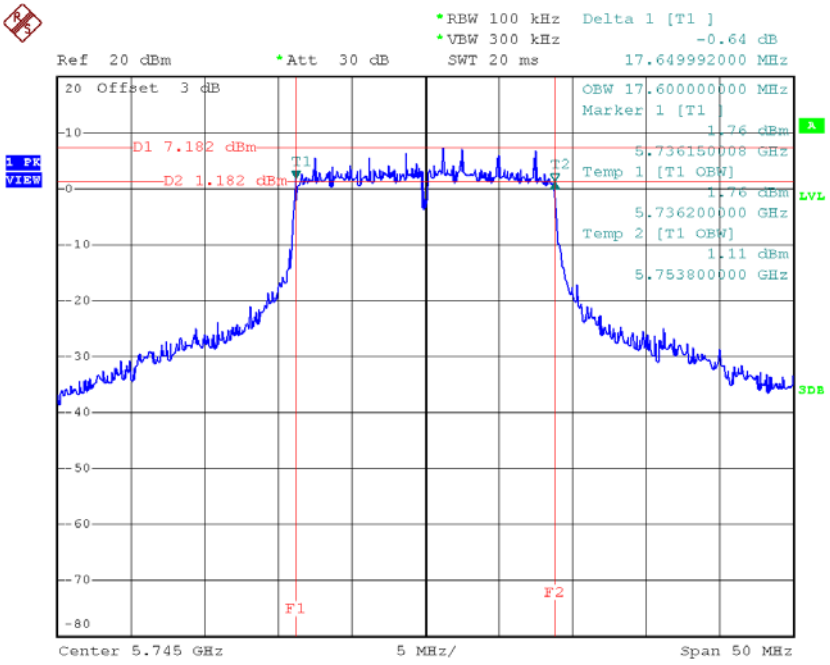


Date: 18.SEP.2018 14:14:33

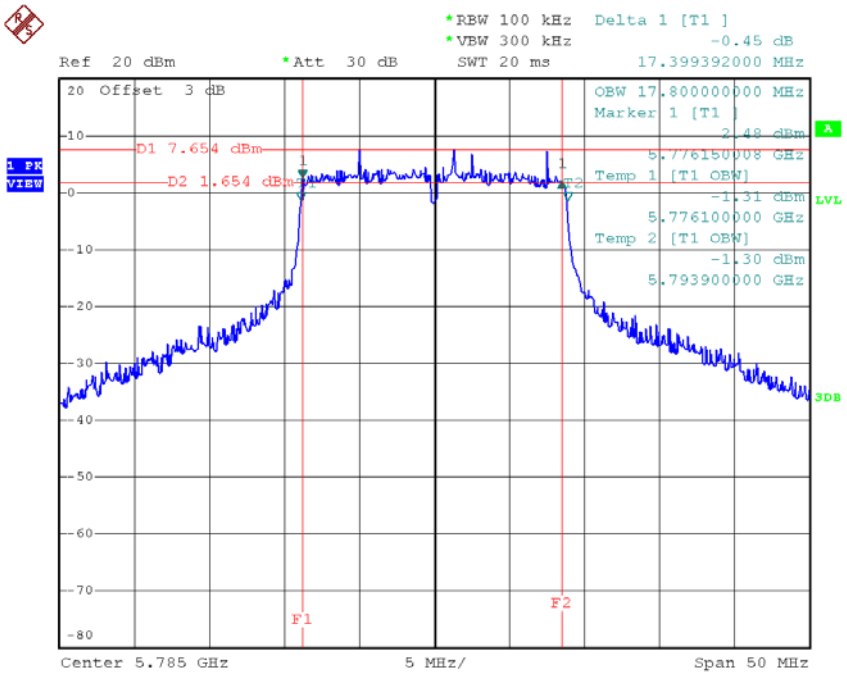
Test Mode: UNII-3/ TX N20 Mode_CH149/CH157/CH165				

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	17.65	17.60	>=500
CH157	5785	17.40	17.80	>=500
CH165	5825	17.39	17.70	>=500

TX CH 149

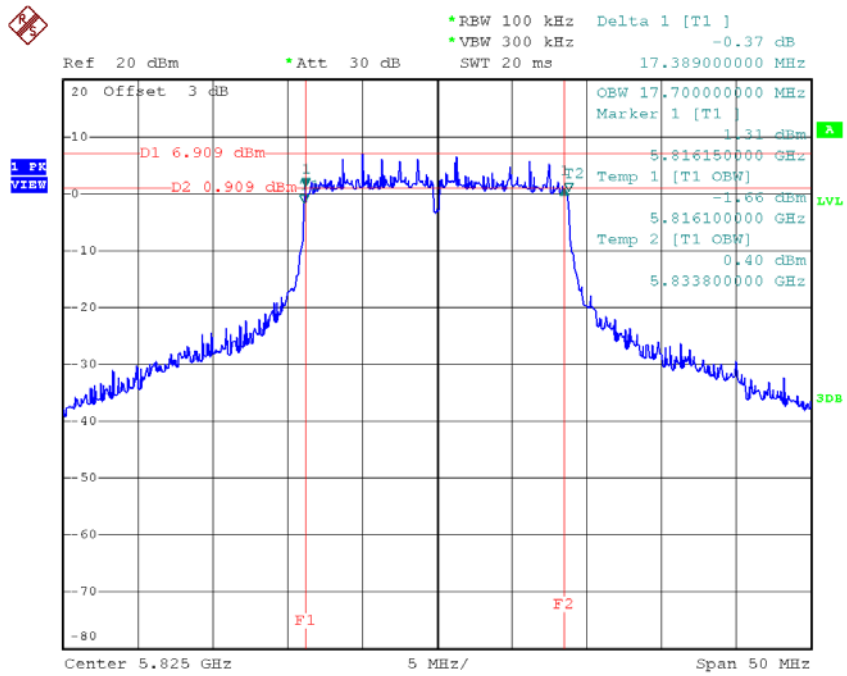


TX CH 157



Date: 18.SEP.2018 14:21:42

TX CH 165

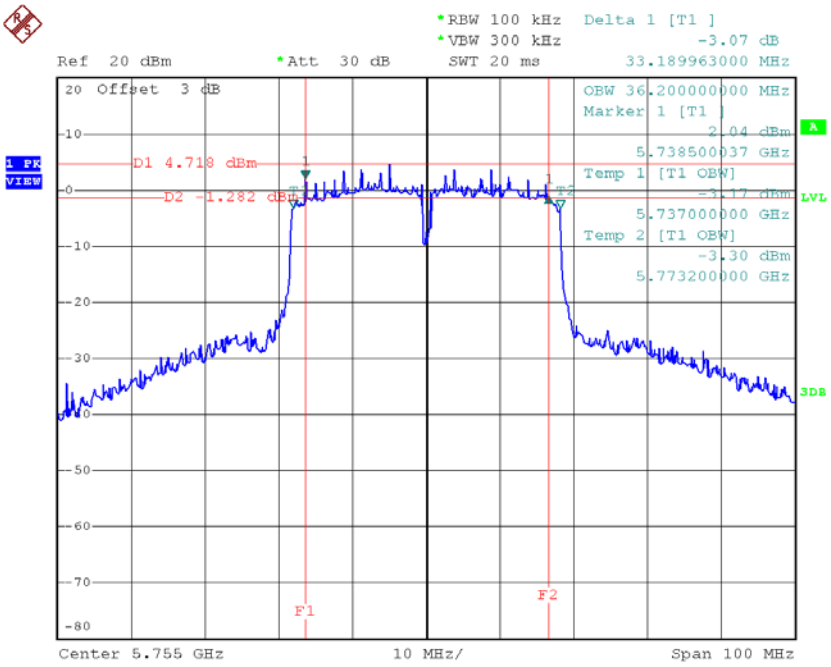


Date: 18.SEP.2018 14:22:45

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

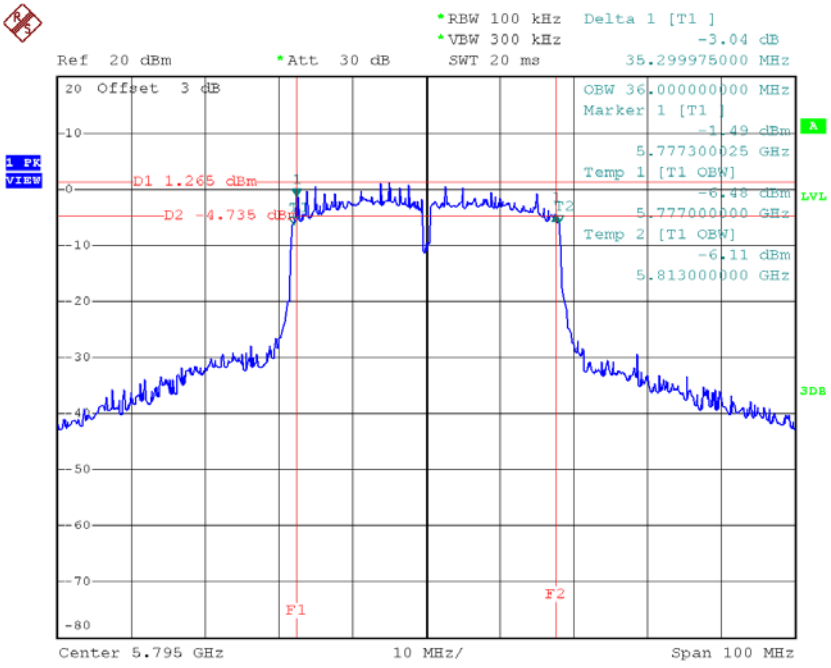
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH151	5755	33.19	36.20	>=500
CH159	5795	35.30	36.00	>=500

TX CH 151



Date: 18.SEP.2018 14:32:50

TX CH 159

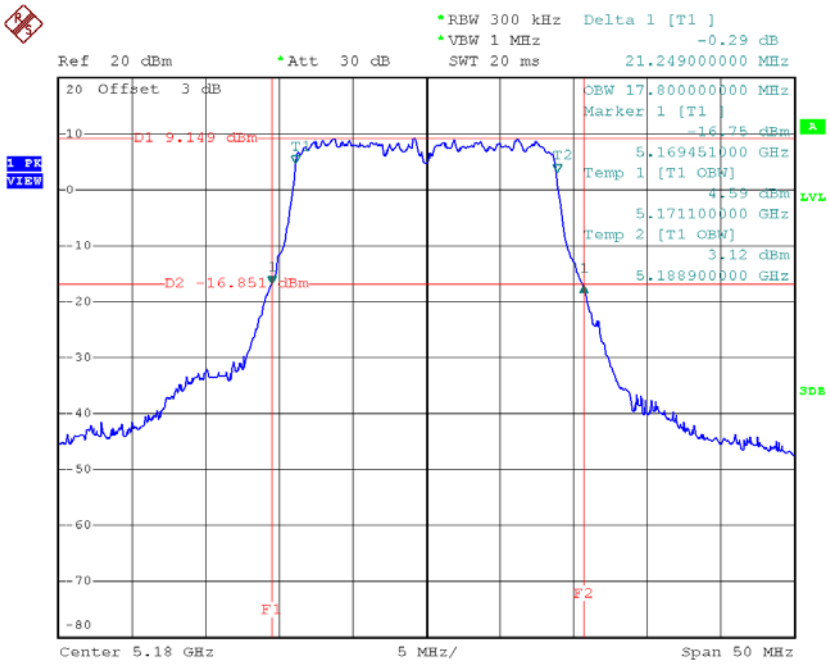


Date: 18.SEP.2018 14:33:56

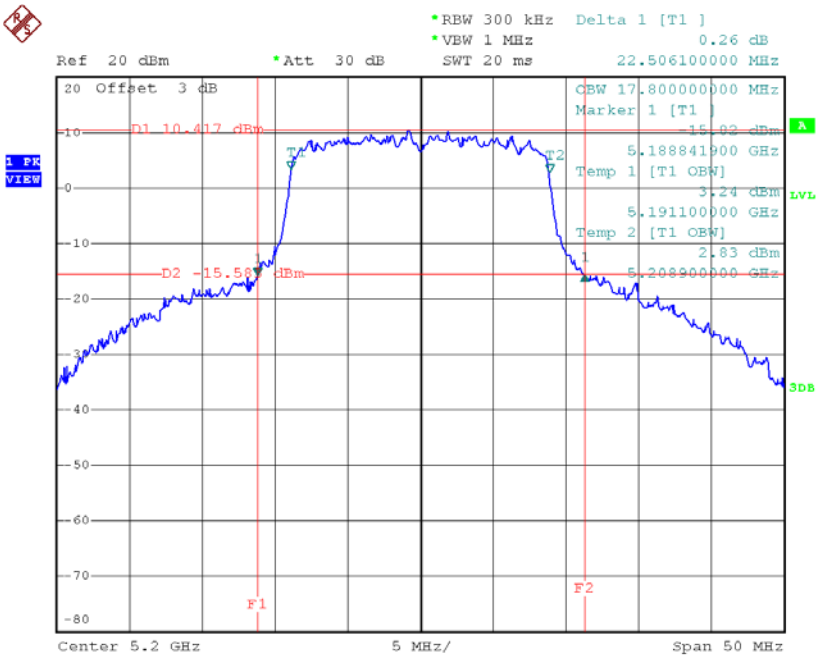
Test Mode: UNII-1/TX AC20 Mode_CH36/CH40/CH48			

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	21.25	17.80
CH40	5200	22.51	17.80
CH48	5240	33.59	18.40

TX CH36

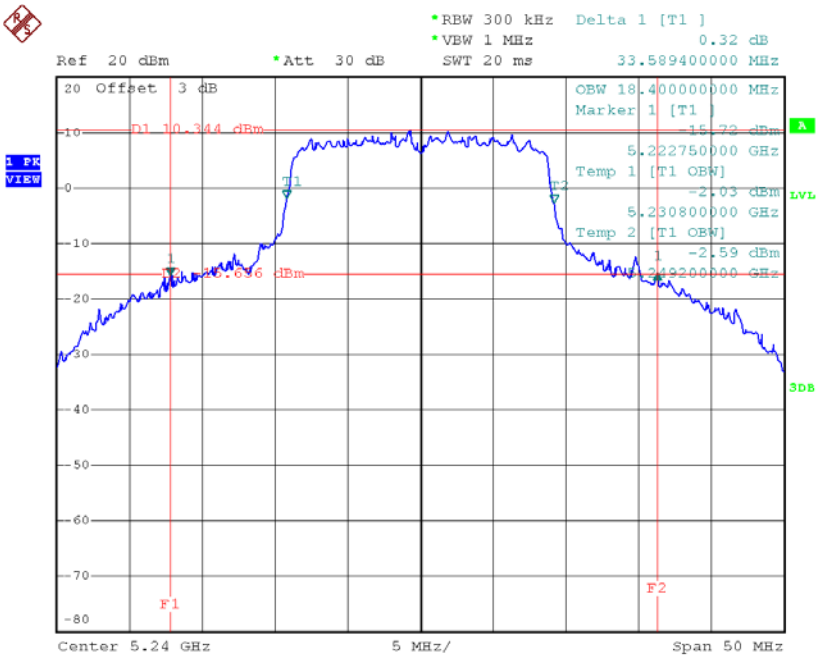


TX CH40



Date: 18.SEP.2018 14:24:50

TX CH48

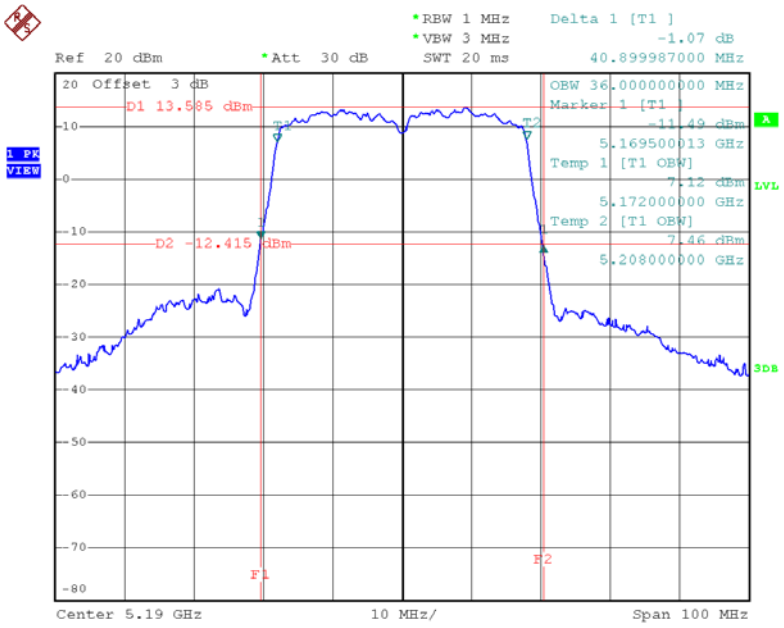


Date: 18.SEP.2018 14:25:42

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

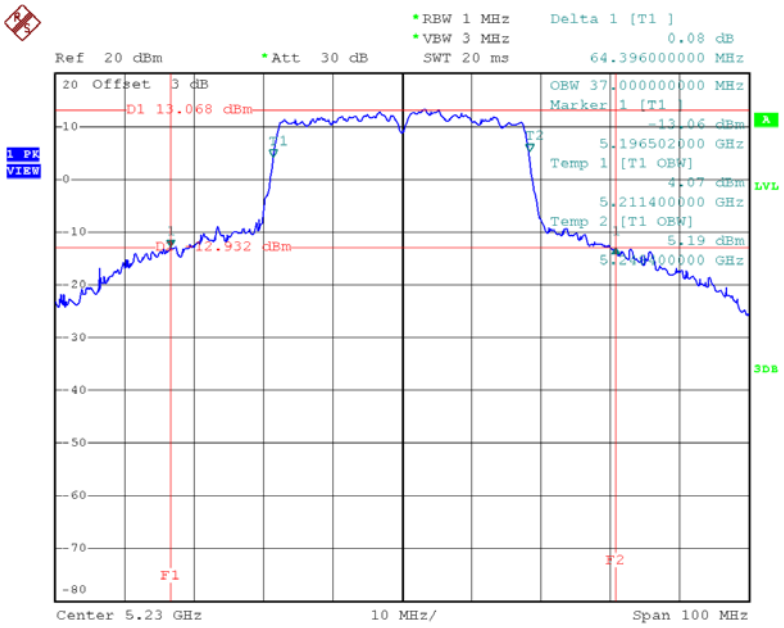
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH38	5190	40.90	36.00
CH46	5230	64.40	37.00

TX CH38



Date: 11.OCT.2018 13:56:30

TX CH46

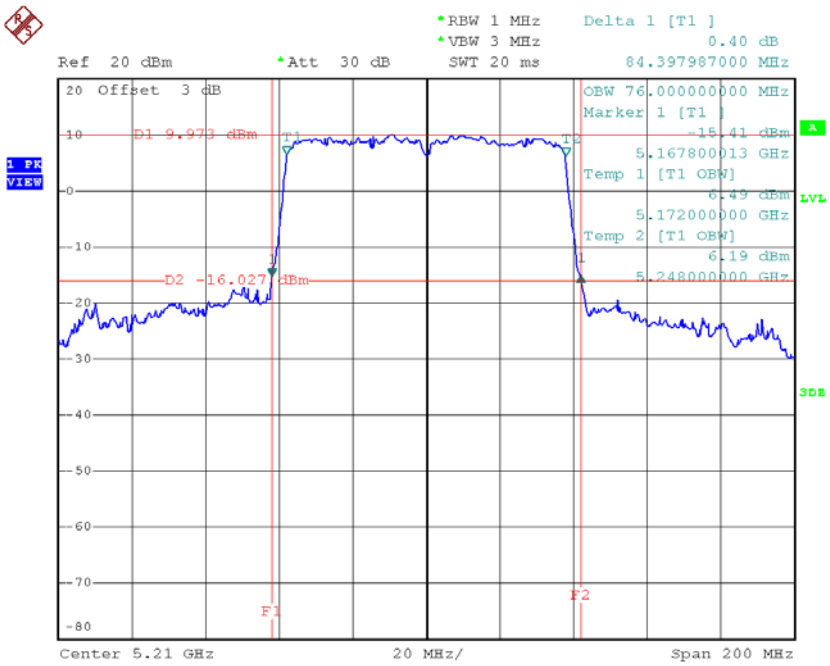


Date: 18.SEP.2018 14:38:05

Test Mode: UNII-1/TX AC80 Mode_CH42

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH42	5210	84.40	76.00

TX CH42

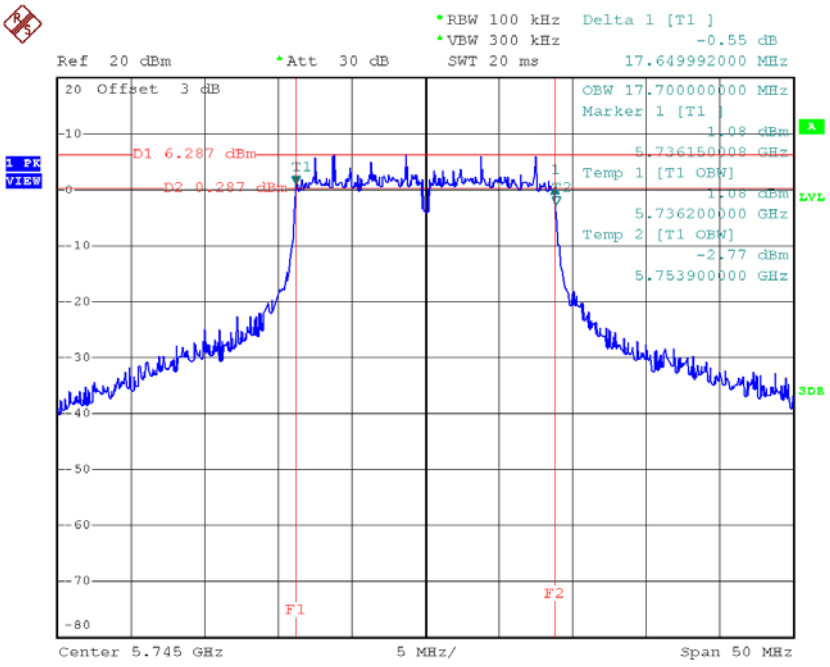


Date: 11.OCT.2018 13:57:58

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

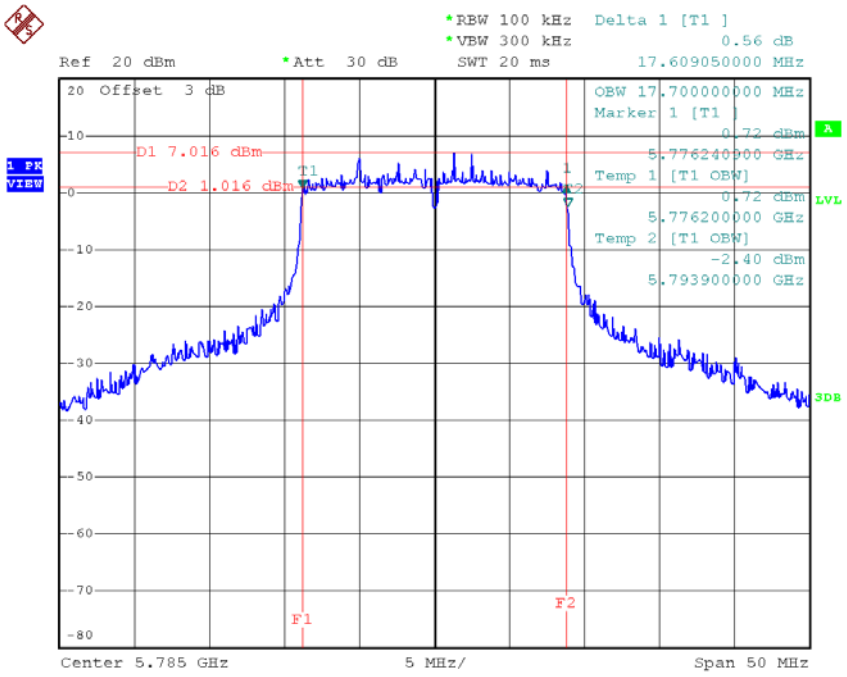
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	17.65	17.70	>=500
CH157	5785	17.61	17.70	>=500
CH165	5825	17.65	17.70	>=500

TX CH 149



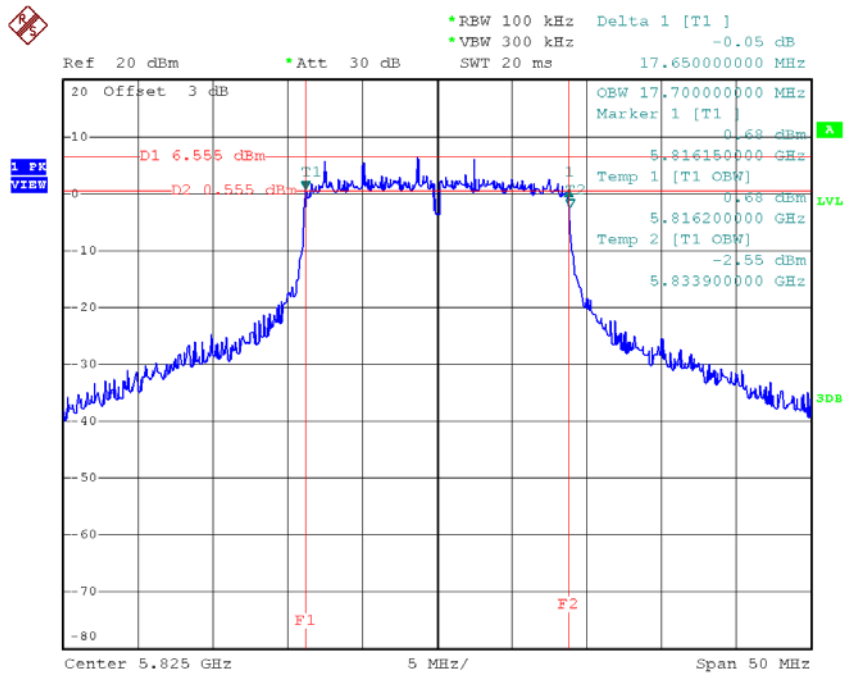
Date: 18.SEP.2018 14:26:51

TX CH 157



Date: 18.SEP.2018 14:27:56

TX CH 165

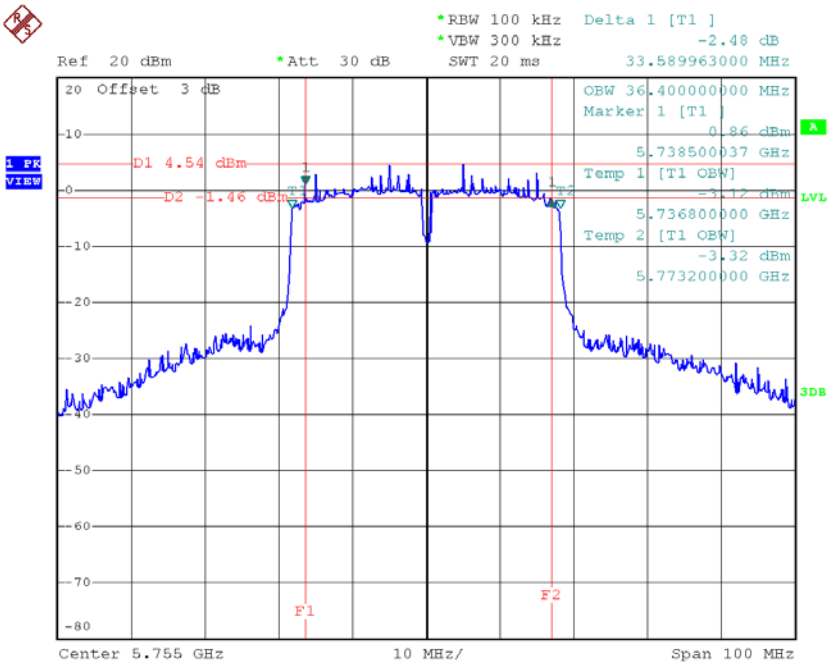


Date: 18.SEP.2018 14:28:54

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

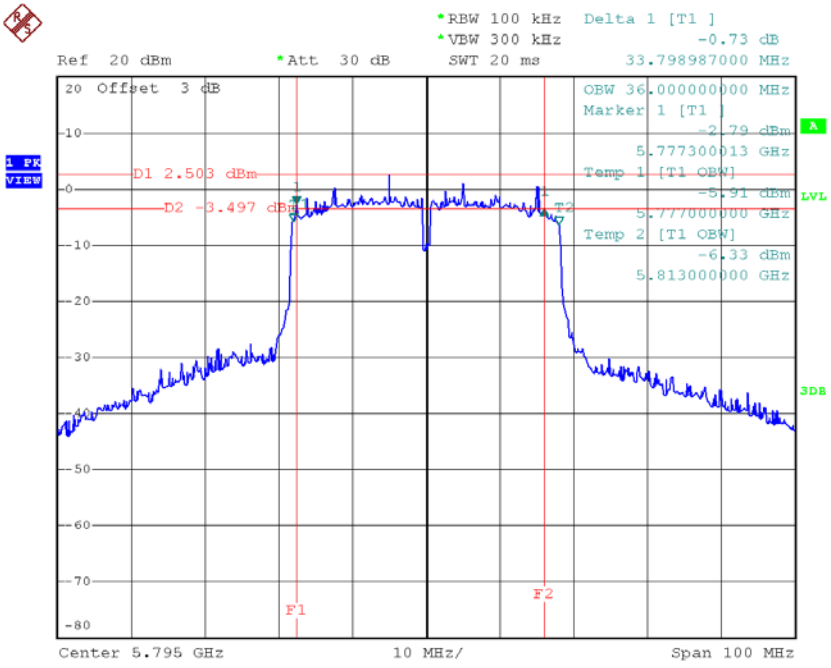
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH151	5755	33.59	36.40	>=500
CH159	5795	33.80	36.00	>=500

TX CH 151



Date: 18.SEP.2018 14:39:26

TX CH 159

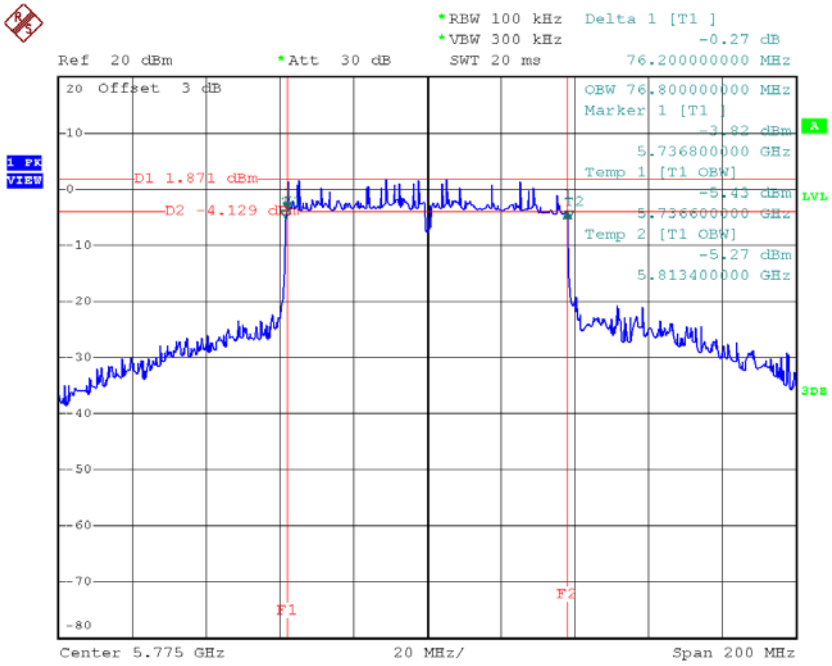


Date: 18.SEP.2018 14:40:26

Test Mode: UNII-3/ TX AC80 Mode_CH155

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH155	5775	76.20	76.80	>=500

TX CH 155



Date: 18.SEP.2018 14:44:40

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	20.24	0.15	20.39	28.04	0.64
CH40	5200	21.67	0.15	21.82	28.04	0.64
CH48	5240	21.72	0.15	21.87	28.04	0.64

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	19.98	0.15	20.13	28.04	0.64
CH40	5200	21.08	0.15	21.23	28.04	0.64
CH48	5240	21.07	0.15	21.22	28.04	0.64

Test Mode: UNII-1/TX A Mode_Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	23.27	28.04	0.64
CH40	5200	24.54	28.04	0.64
CH48	5240	24.57	28.04	0.64

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	20.76	0.00	20.76	28.04	0.64
CH40	5200	21.74	0.00	21.74	28.04	0.64
CH48	5240	21.81	0.00	21.81	28.04	0.64

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	20.05	0.00	20.05	28.04	0.64
CH40	5200	21.04	0.00	21.04	28.04	0.64
CH48	5240	21.02	0.00	21.02	28.04	0.64

Test Mode: UNII-1/TX N20 Mode _Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	23.43	28.04	0.64
CH40	5200	24.41	28.04	0.64
CH48	5240	24.44	28.04	0.64

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	15.61	0.16	15.77	28.04	0.64
CH46	5230	21.87	0.16	22.03	28.04	0.64

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	14.52	0.16	14.68	28.04	0.64
CH46	5230	20.84	0.16	21.00	28.04	0.64

Test Mode: UNII-1/TX N40 Mode _Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	18.26	28.04	0.64
CH46	5230	24.55	28.04	0.64

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	21.66	0.15	21.81	28.04	0.64
CH157	5785	21.92	0.15	22.07	28.04	0.64
CH165	5825	21.52	0.15	21.67	28.04	0.64

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	21.83	0.15	21.98	28.04	0.64
CH157	5785	21.95	0.15	22.10	28.04	0.64
CH165	5825	21.81	0.15	21.96	28.04	0.64

Test Mode: UNII-3/ TX A Mode_Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	24.91	28.04	0.64
CH157	5785	25.09	28.04	0.64
CH165	5825	24.83	28.04	0.64

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	21.79	0.00	21.79	28.04	0.64
CH157	5785	21.63	0.00	21.63	28.04	0.64
CH165	5825	21.12	0.00	21.12	28.04	0.64

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	21.72	0.00	21.72	28.04	0.64
CH157	5785	21.77	0.00	21.77	28.04	0.64
CH165	5825	21.45	0.00	21.45	28.04	0.64

Test Mode: UNII-3/TX N20 Mode_Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	24.77	28.04	0.64
CH157	5785	24.71	28.04	0.64
CH165	5825	24.30	28.04	0.64

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	20.67	0.16	20.83	28.04	0.64
CH159	5795	19.50	0.16	19.66	28.04	0.64

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	21.58	0.16	21.74	28.04	0.64
CH159	5795	21.92	0.16	22.08	28.04	0.64

Test Mode: UNII-3/ TX N40 Mode_Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	24.31	28.04	0.64
CH159	5795	24.04	28.04	0.64

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	20.81	0.00	20.81	28.04	0.64
CH40	5200	21.72	0.00	21.72	28.04	0.64
CH48	5240	21.79	0.00	21.79	28.04	0.64

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	20.08	0.00	20.08	28.04	0.64
CH40	5200	21.09	0.00	21.09	28.04	0.64
CH48	5240	21.07	0.00	21.07	28.04	0.64

Test Mode: UNII-1/TX AC20 Mode _Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	23.47	28.04	0.64
CH40	5200	24.43	28.04	0.64
CH48	5240	24.46	28.04	0.64

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	15.54	0.14	15.68	28.04	0.64
CH46	5230	21.87	0.14	22.01	28.04	0.64

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	14.56	0.14	14.70	28.04	0.64
CH46	5230	20.44	0.14	20.58	28.04	0.64

Test Mode: UNII-1/TX AC40 Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	18.23	28.04	0.64
CH46	5230	24.36	28.04	0.64

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	13.98	0.33	14.31	28.04	0.64

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	13.17	0.33	13.50	28.04	0.64

Test Mode: UNII-1/TX AC80 Mode_Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH42	5210	16.94	28.04	0.64

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	21.83	0.00	21.83	28.04	0.64
CH157	5785	21.74	0.00	21.74	28.04	0.64
CH165	5825	21.22	0.00	21.22	28.04	0.64

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	21.64	0.00	21.64	28.04	0.64
CH157	5785	21.65	0.00	21.65	28.04	0.64
CH165	5825	21.53	0.00	21.53	28.04	0.64

Test Mode: UNII-3/TX AC20 Mode_Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	24.75	28.04	0.64
CH157	5785	24.71	28.04	0.64
CH165	5825	24.39	28.04	0.64

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	21.34	0.14	21.48	28.04	0.64
CH159	5795	19.02	0.14	19.16	28.04	0.64

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	21.53	0.14	21.67	28.04	0.64
CH159	5795	21.96	0.14	22.10	28.04	0.64

Test Mode: UNII-3/TX AC40 Mode_Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	24.59	28.04	0.64
CH159	5795	23.89	28.04	0.64

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	21.52	0.33	21.85	28.04	0.64

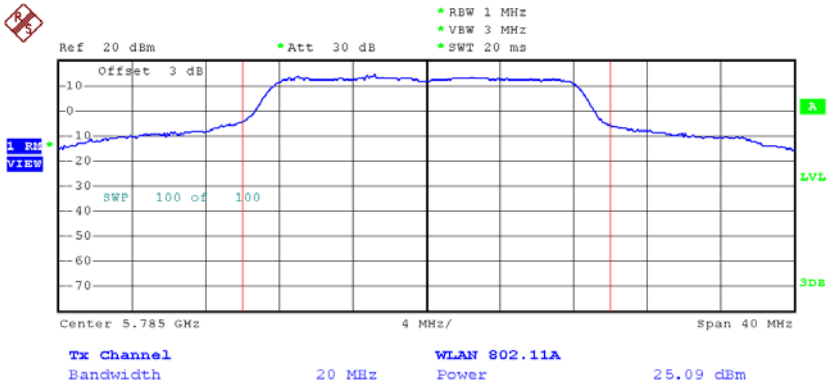
Test Mode: UNII-3/TX AC80 Mode_ANT 2						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH155	5775	21.68	0.33	22.01	28.04	0.64

Test Mode: UNII-3/TX AC80 Mode_Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH155	5775	24.94	28.04	0.64

Worst case :

Test Mode: TX A Mode

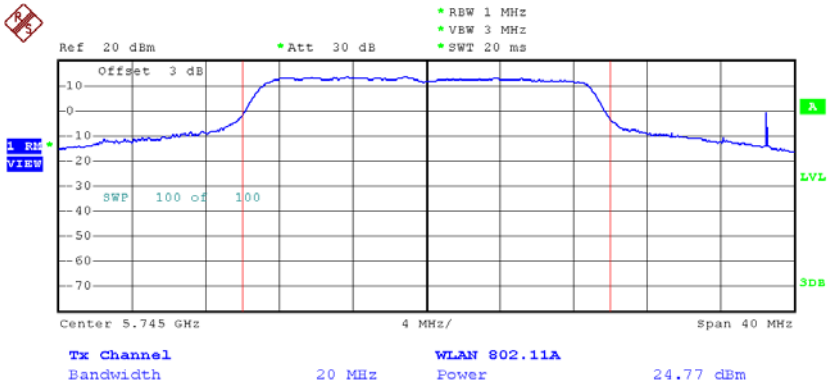
A_5785



Date: 22.OCT.2018 11:39:19

Test Mode: TX N20 Mode

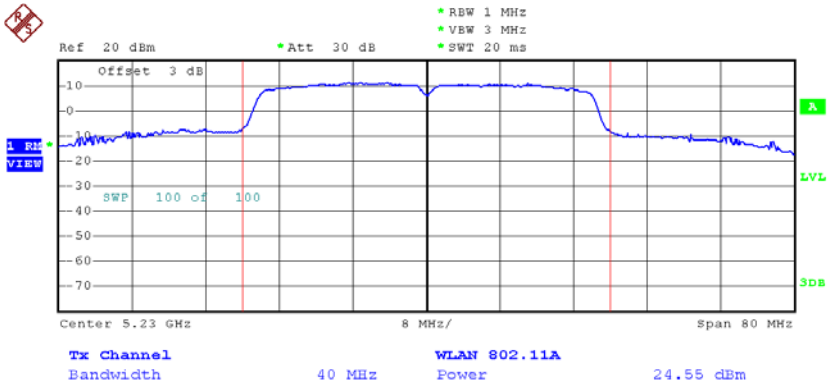
N20_5745



Date: 22.OCT.2018 11:43:30

Test Mode: TX N40 Mode

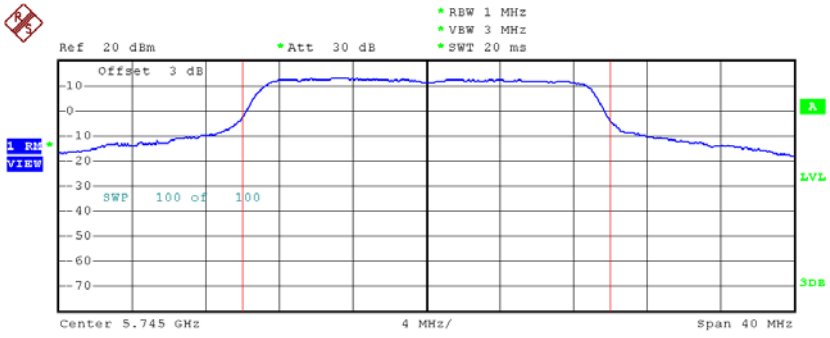
N40_5230



Date: 22.OCT.2018 11:33:53

Test Mode: TX AC20 Mode

AC20_5745



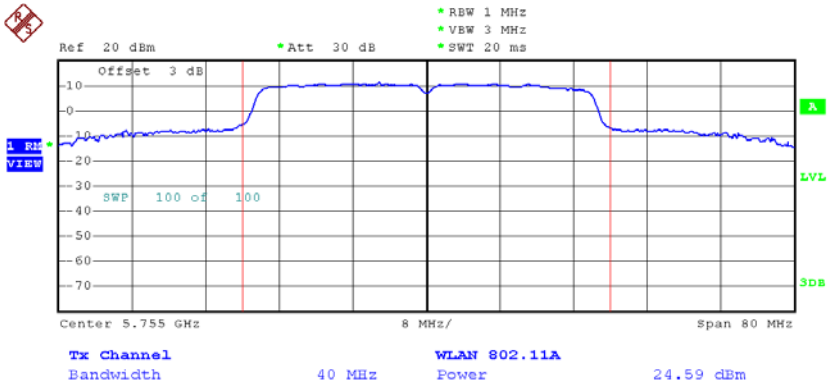
Tx Channel **WLAN 802.11A**

Bandwidth 20 MHz Power 24.75 dBm

Date: 22.OCT.2018 11:46:07

Test Mode:TX AC40 Mode

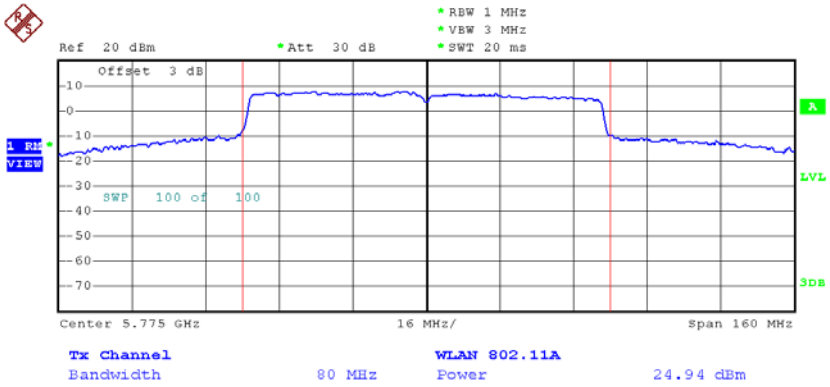
AC40_5755



Date: 22.OCT.2018 11:32:06

Test Mode: TX AC80 Mode

AC80_5775



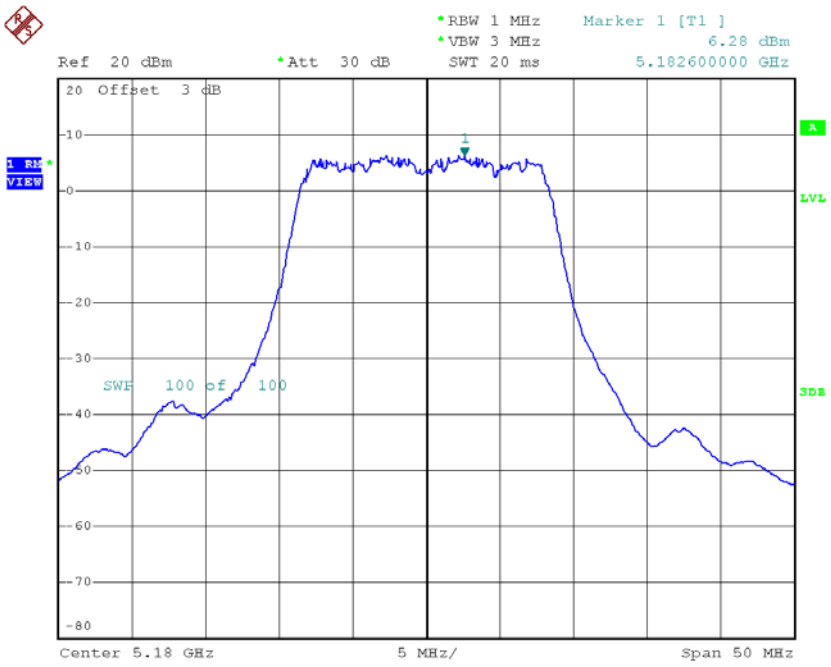
Date: 22.OCT.2018 11:30:14

APPENDIX G - POWER SPECTRAL DENSITY

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

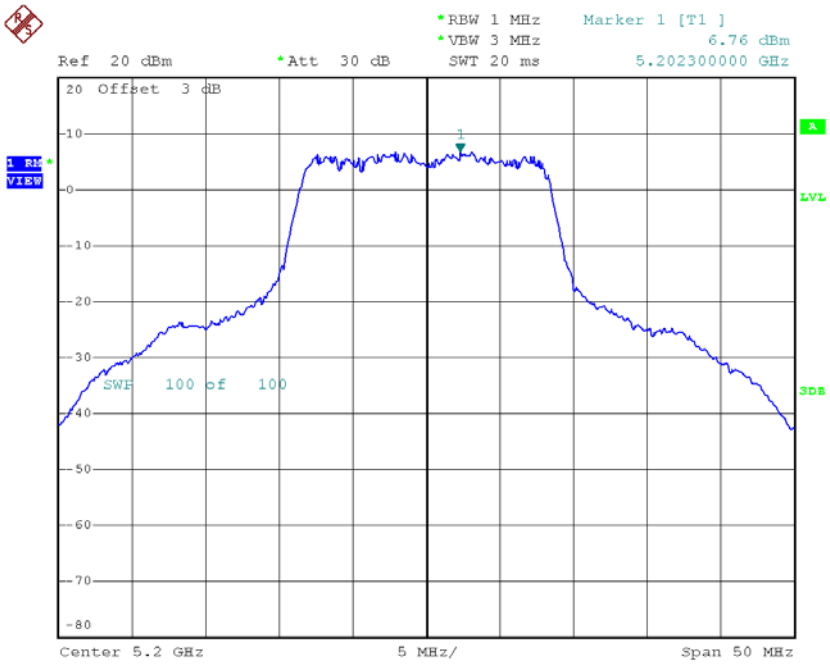
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	6.28	0.15	6.43	15.04
CH40	5200	6.76	0.15	6.91	15.04
CH48	5240	6.47	0.15	6.62	15.04

CH36



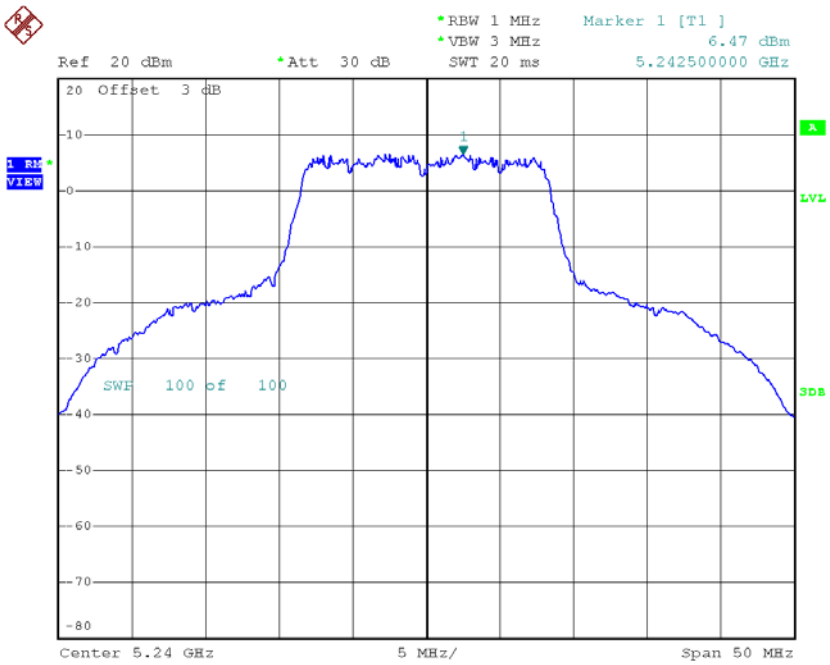
Date: 11.OCT.2018 13:47:10

CH40



Date: 18.SEP.2018 14:10:54

CH48

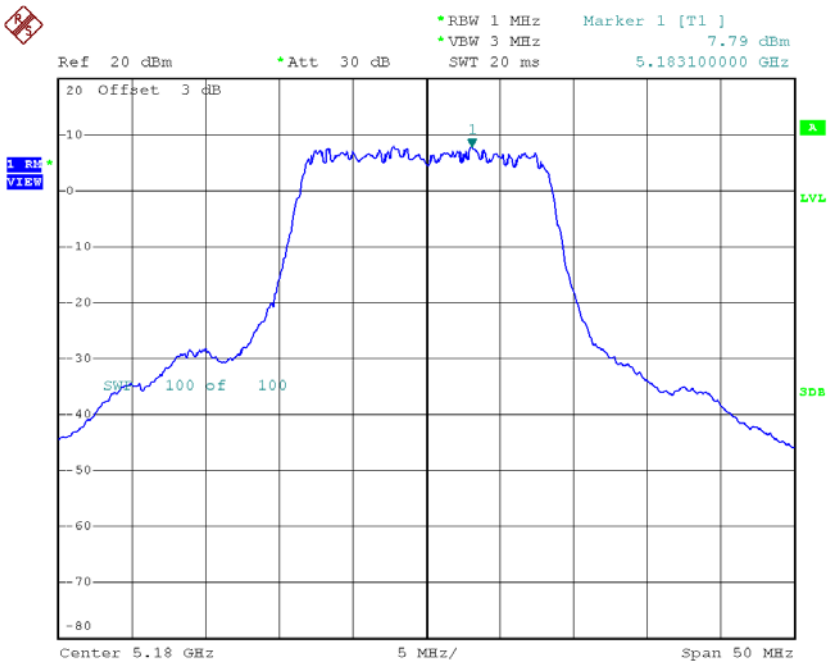


Date: 18.SEP.2018 14:11:38

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

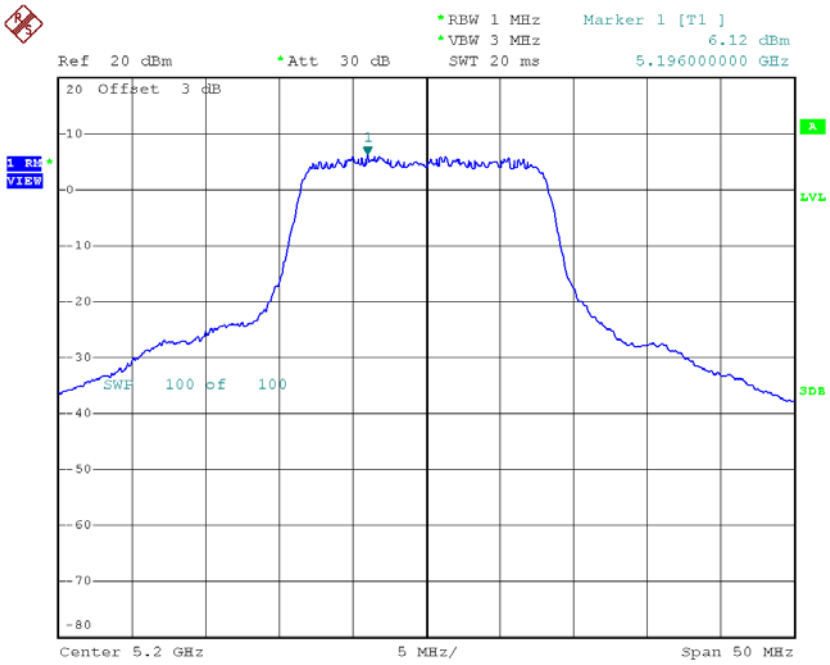
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	7.79	0.15	7.94	15.04
CH40	5200	6.12	0.15	6.27	15.04
CH48	5240	5.64	0.15	5.79	15.04

CH36



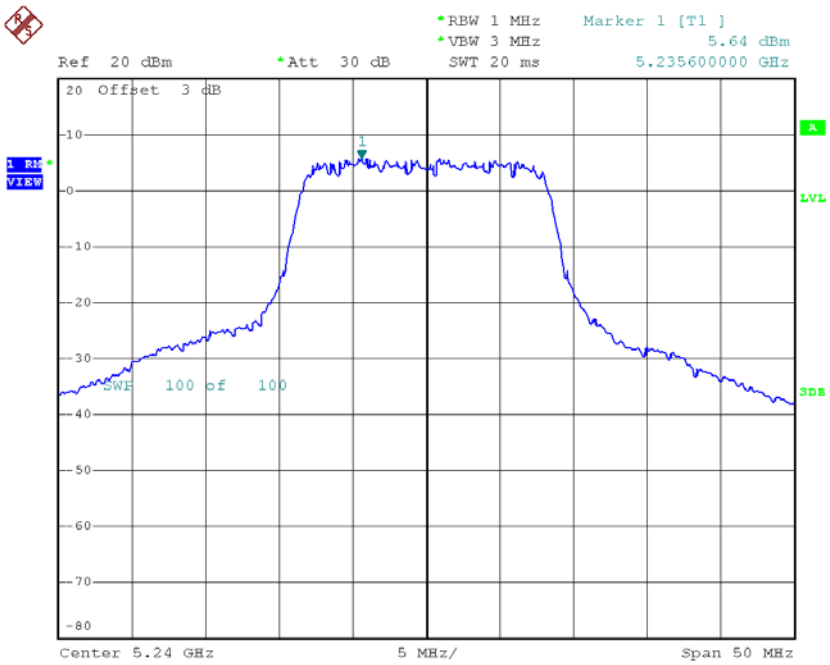
Date: 11.OCT.2018 14:00:20

CH40



Date: 18.SEP.2018 16:44:47

CH48



Date: 18.SEP.2018 15:19:12

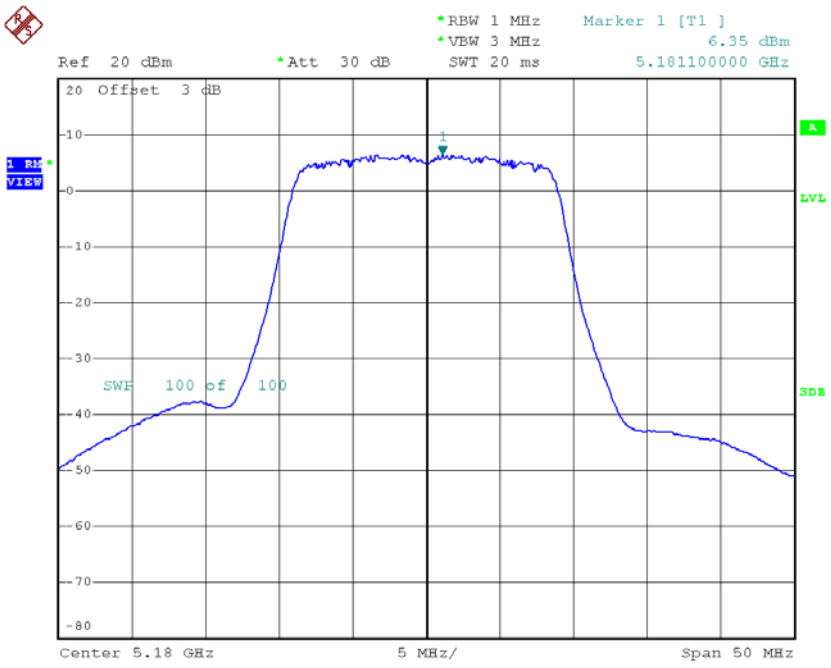
Test Mode: UNII-1/ TX A Mode_CH36/CH40/CH48_Total			

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	10.26	15.04
CH40	5200	9.61	15.04
CH48	5240	9.23	15.04

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

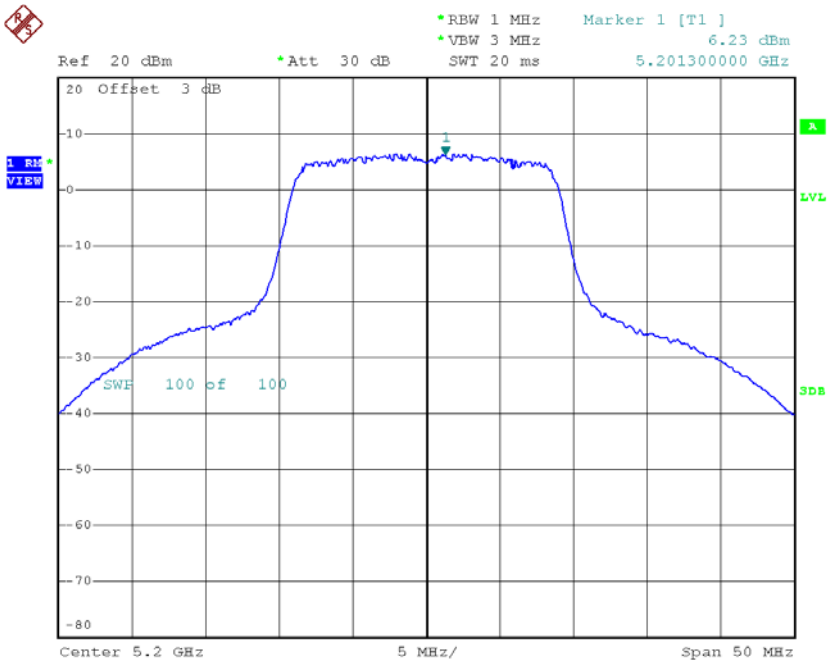
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	6.35	0.00	6.35	15.04
CH40	5200	6.23	0.00	6.23	15.04
CH48	5240	6.02	0.00	6.02	15.04

CH36



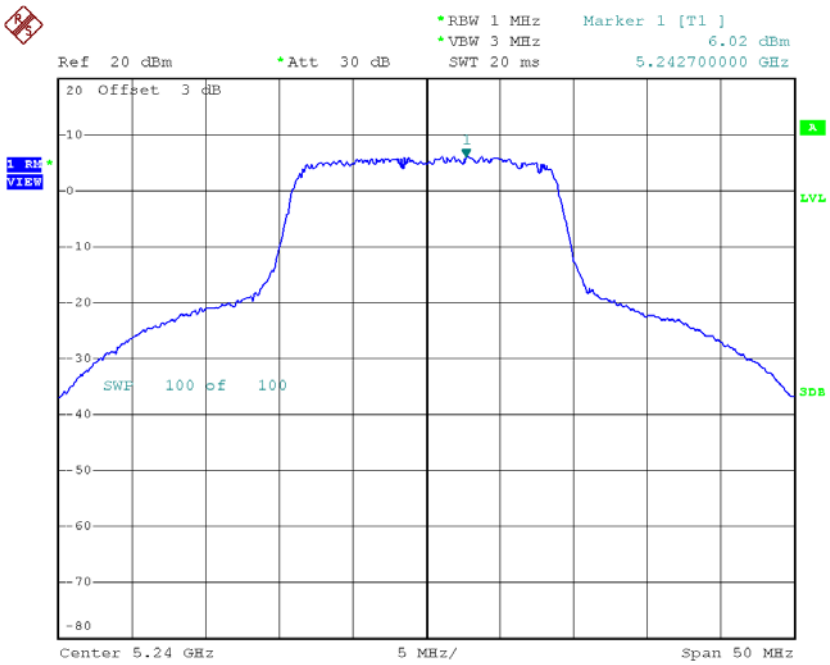
Date: 11.OCT.2018 13:53:06

CH40



Date: 18.SEP.2018 14:18:37

CH48

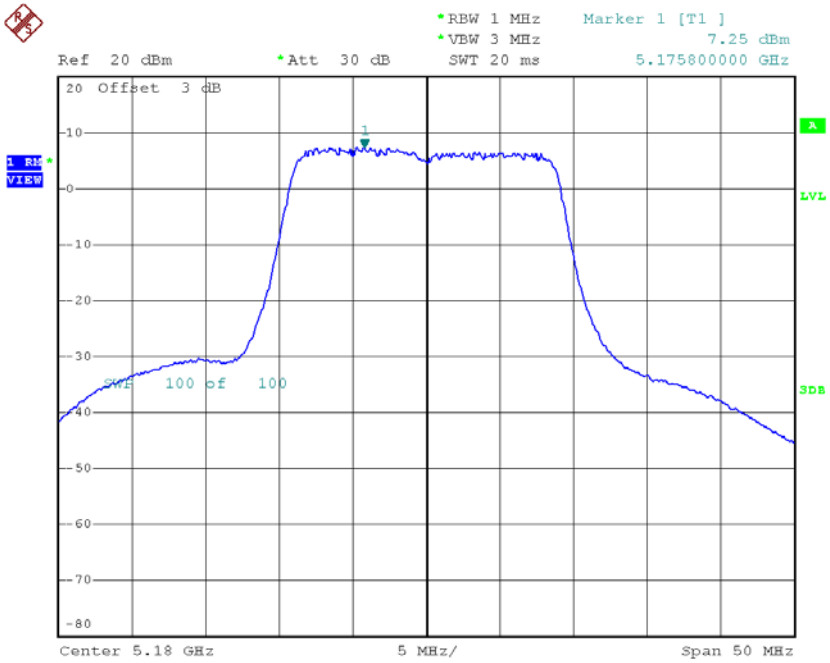


Date: 18.SEP.2018 14:19:25

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

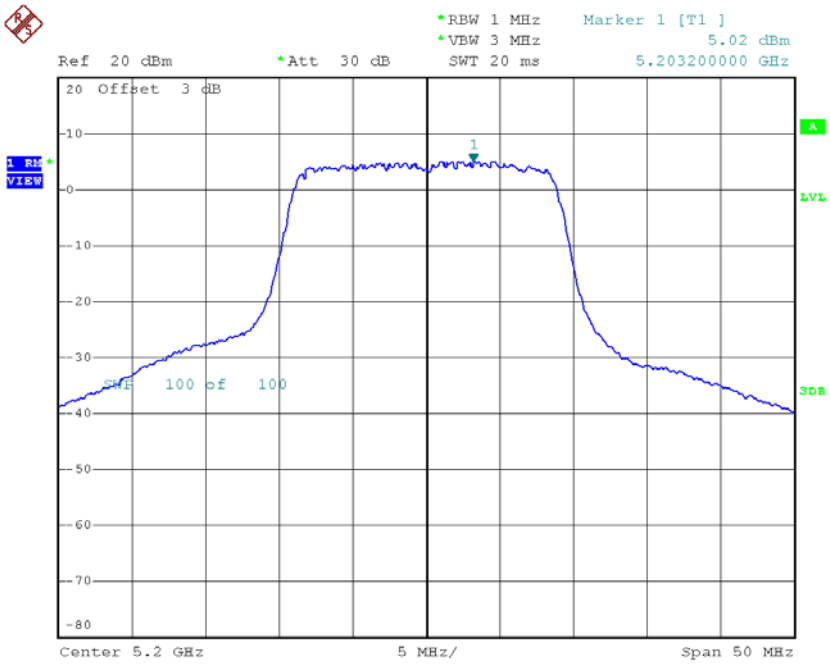
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	7.25	0.00	7.25	15.04
CH40	5200	5.02	0.00	5.02	15.04
CH48	5240	5.18	0.00	5.18	15.04

CH36



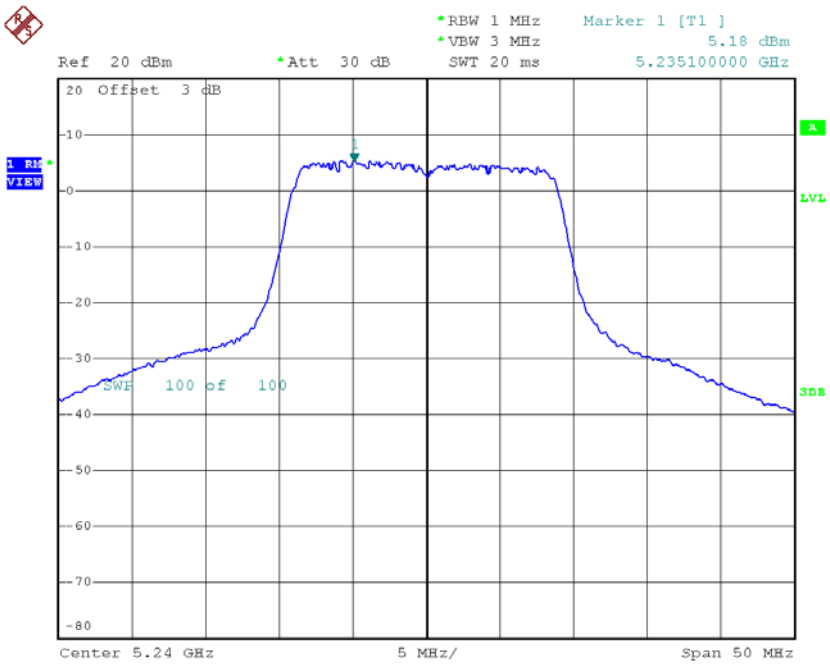
Date: 11.OCT.2018 14:01:31

CH40



Date: 18.SEP.2018 15:23:59

CH48



Date: 18.SEP.2018 15:24:50

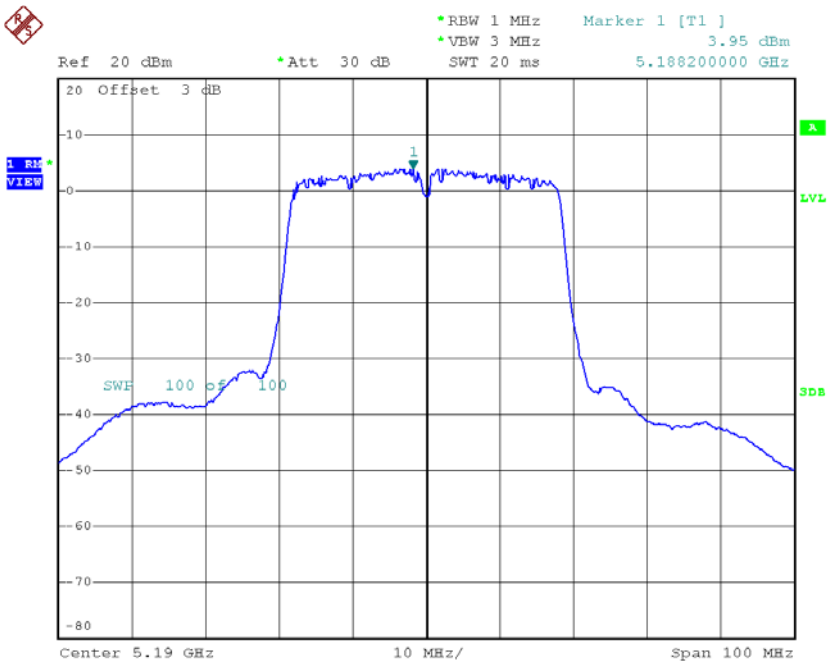
Test Mode: UNII-1/TX N20 Mode_CH36/CH40/CH48_Total

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	9.83	15.04
CH40	5200	8.68	15.04
CH48	5240	8.63	15.04

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

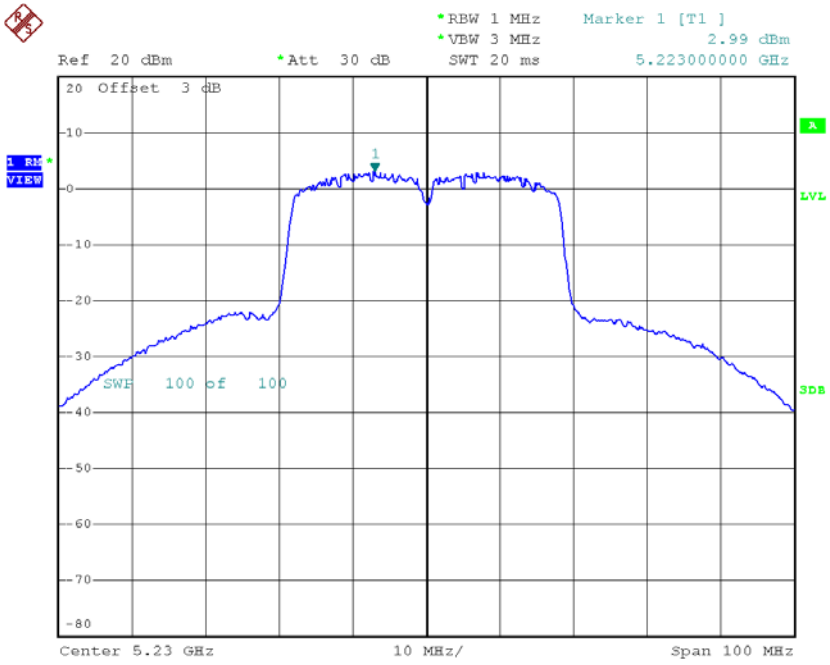
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	3.95	0.16	4.11	15.04
CH46	5230	2.99	0.16	3.15	15.04

CH38



Date: 11.OCT.2018 13:55:39

CH46

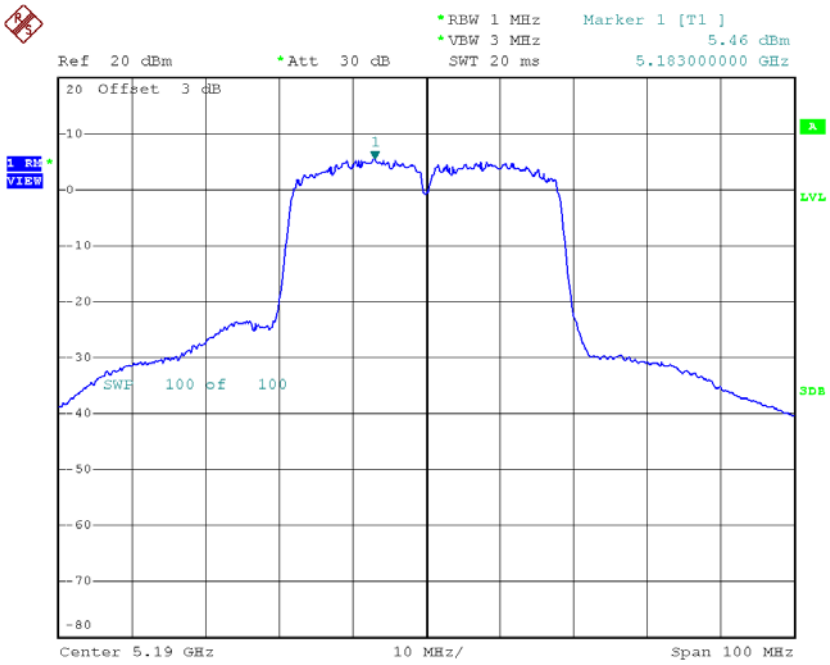


Date: 18.SEP.2018 14:31:31

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

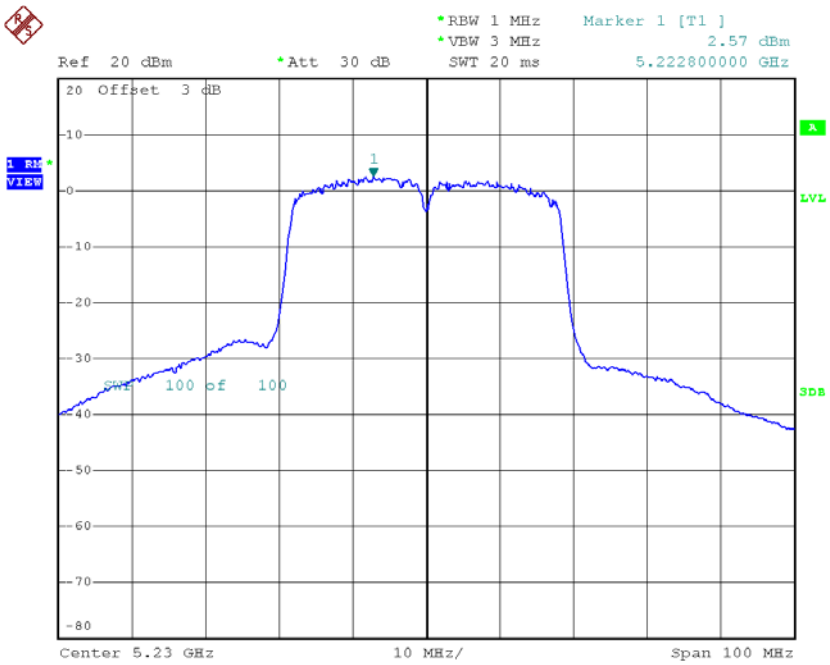
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	5.46	0.16	5.62	15.04
CH46	5230	2.57	0.16	2.73	15.04

CH38



Date: 11.OCT.2018 14:09:12

CH46



Date: 18.SEP.2018 15:36:07

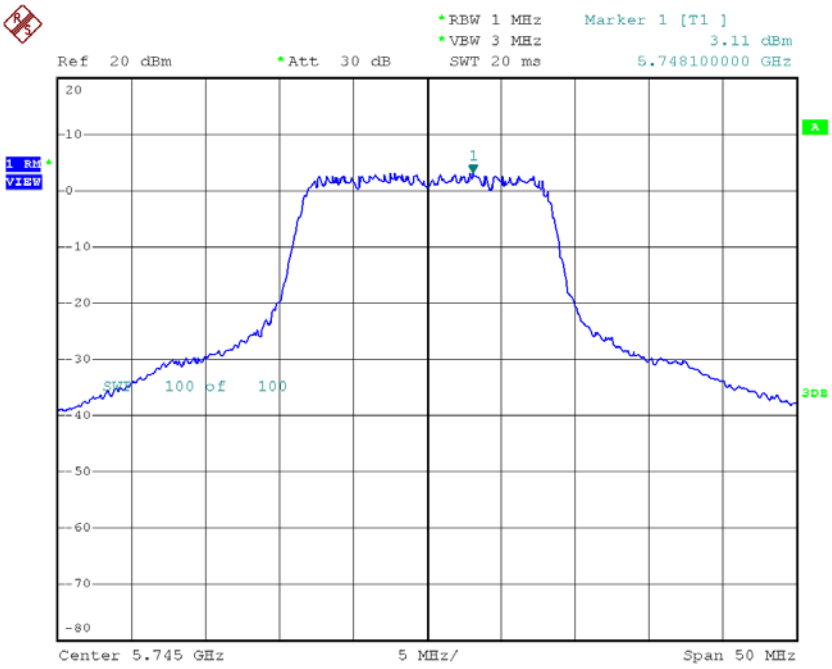
Test Mode: UNII-1/TX N40 Mode_CH38/CH46_Total			

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	7.94	15.04
CH46	5230	5.95	15.04

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

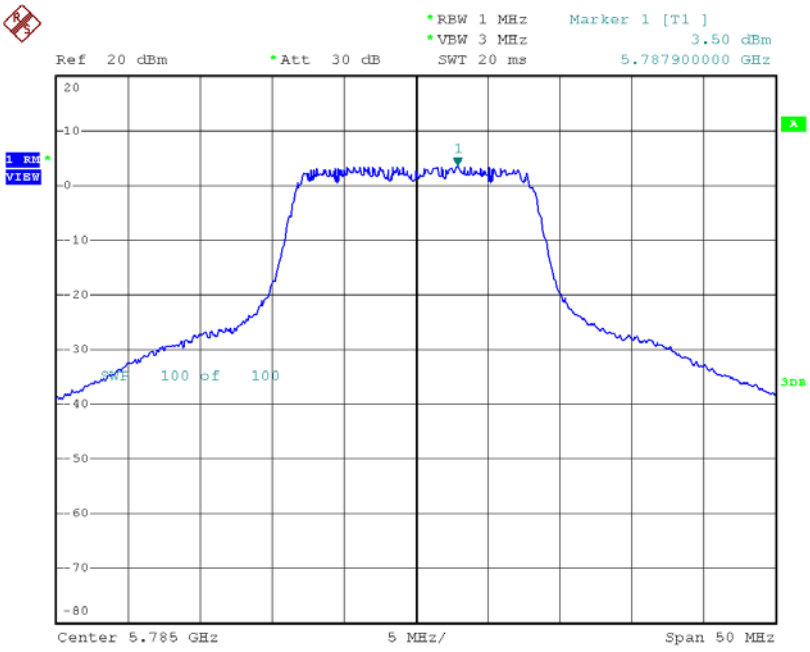
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	3.11	0.15	3.26	28.04
CH157	5785	3.50	0.15	3.65	28.04
CH165	5825	2.59	0.15	2.74	28.04

TX CH149



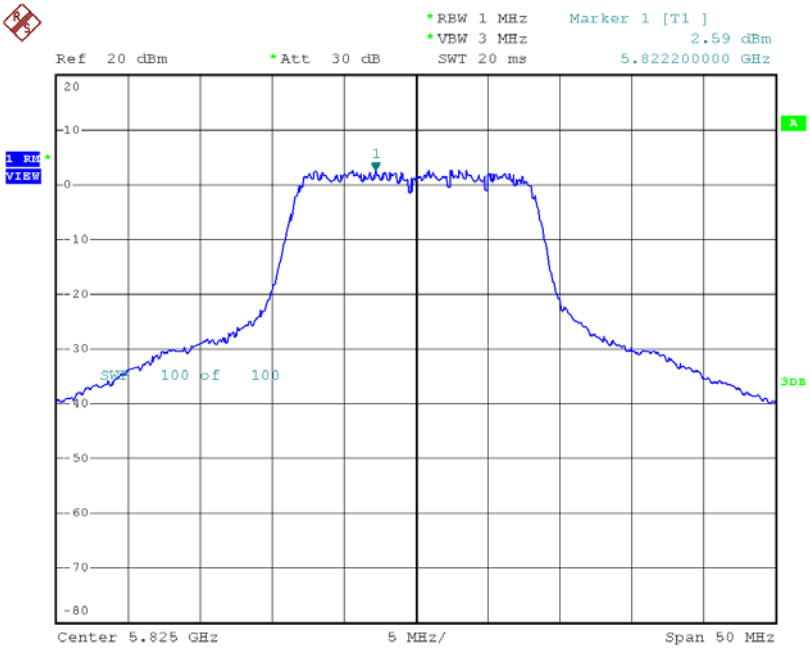
Date: 18.SEP.2018 14:12:46

TX CH157



Date: 18.SEP.2018 14:13:39

TX CH165

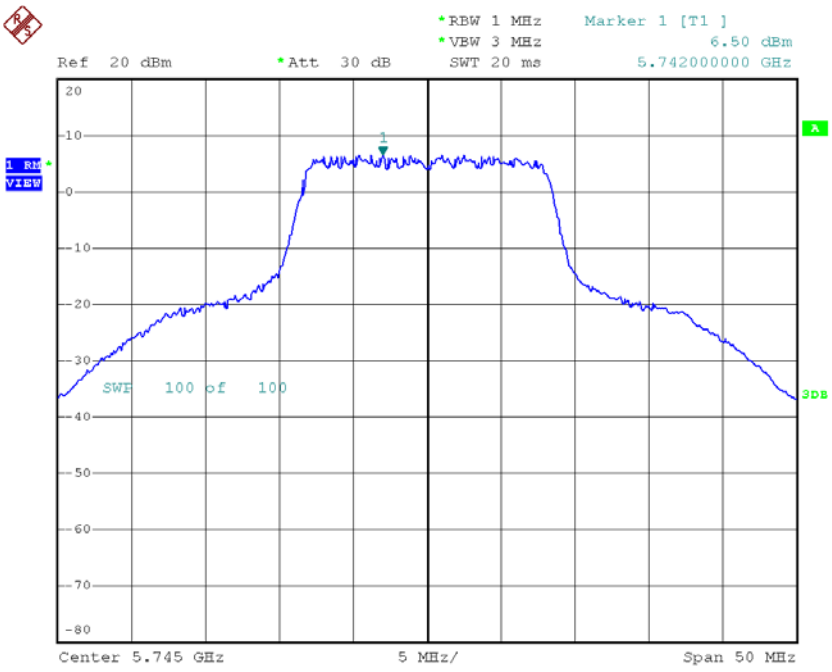


Date: 18.SEP.2018 14:14:43

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

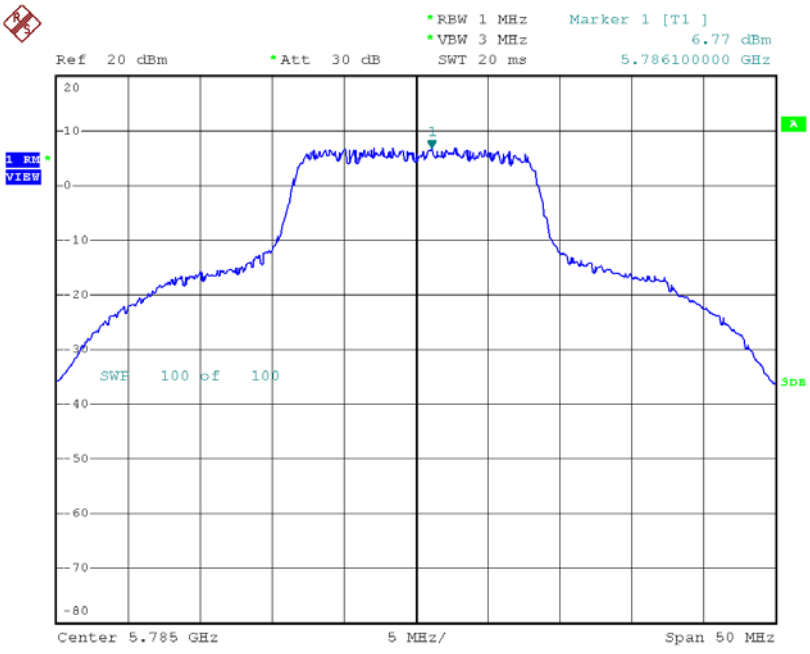
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	6.50	0.15	6.65	28.04
CH157	5785	6.77	0.15	6.92	28.04
CH165	5825	4.59	0.15	4.74	28.04

TX CH149



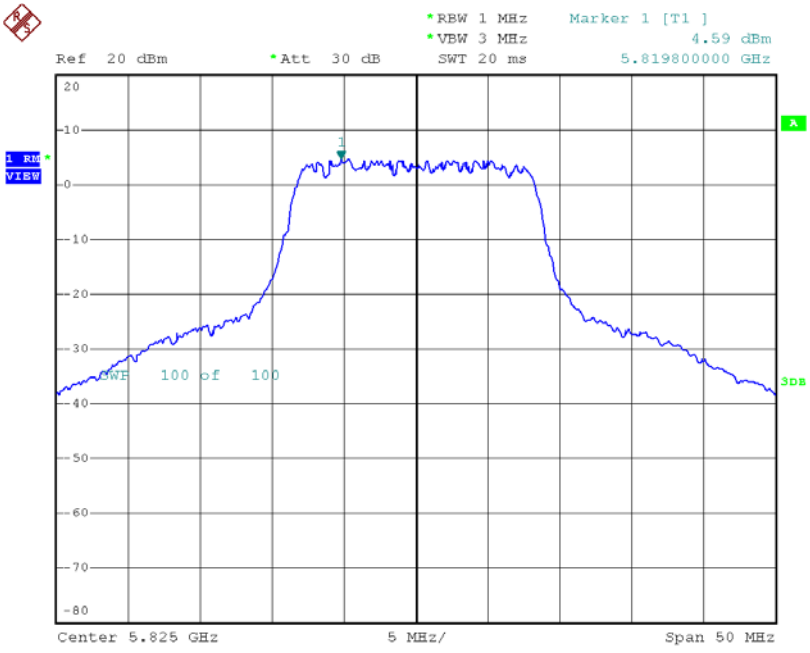
Date: 18.SEP.2018 15:20:20

TX CH157



Date: 18.SEP.2018 15:21:09

TX CH165



Date: 18.SEP.2018 15:22:08

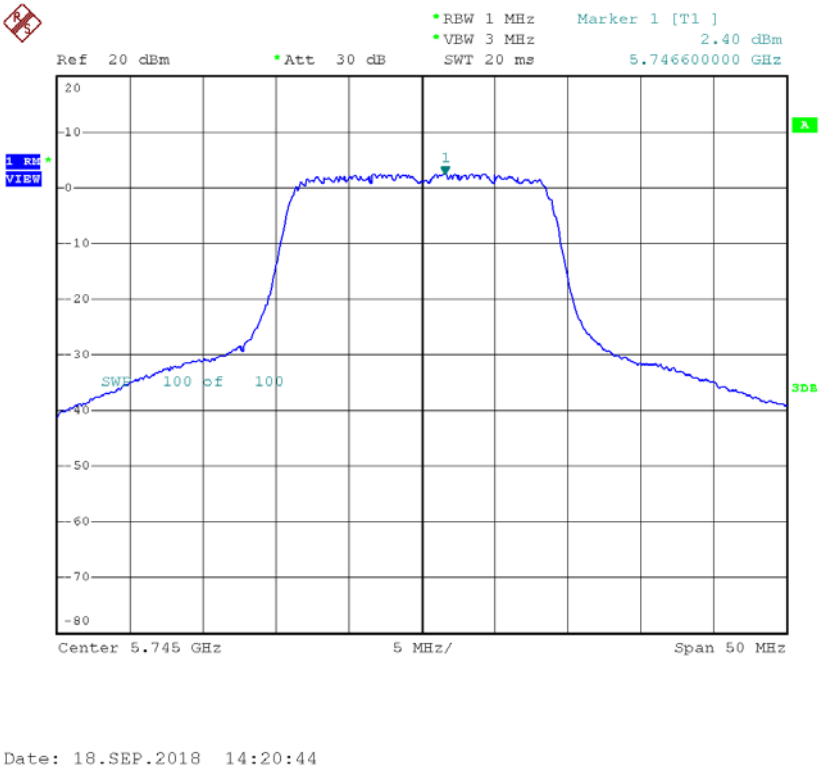
Test Mode: UNII-3/TX A Mode_CH149/CH157/CH165_Total

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	8.29	28.04
CH157	5785	8.59	28.04
CH165	5825	6.86	28.04

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

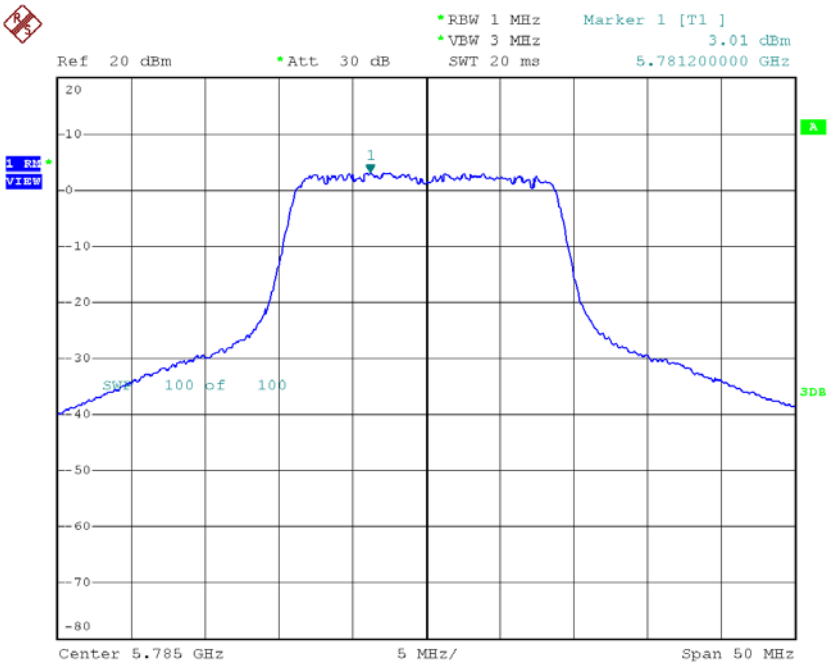
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	2.40	0.00	2.40	28.04
CH157	5785	3.01	0.00	3.01	28.04
CH165	5825	2.19	0.00	2.19	28.04

TX CH149



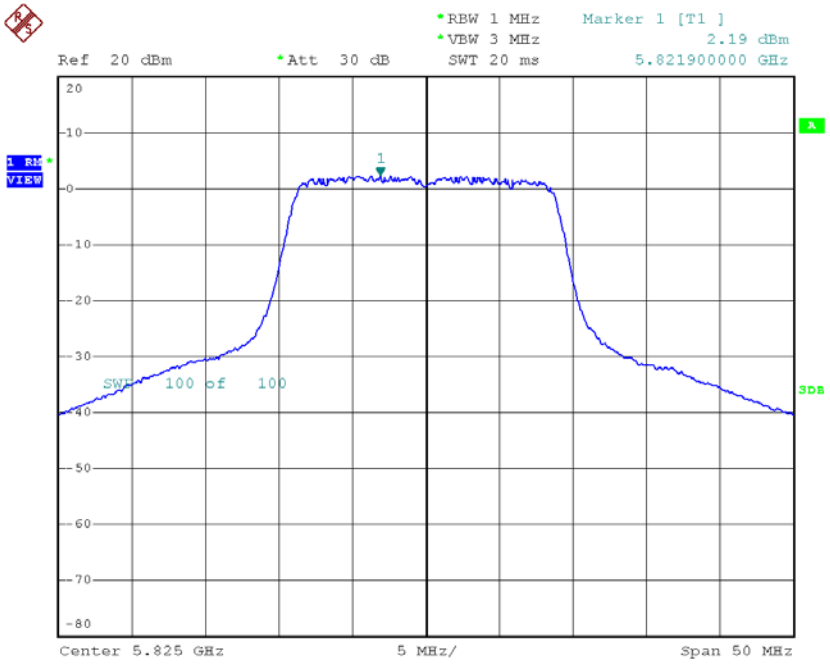
Date: 18.SEP.2018 14:20:44

TX CH157



Date: 18.SEP.2018 14:21:51

TX CH165

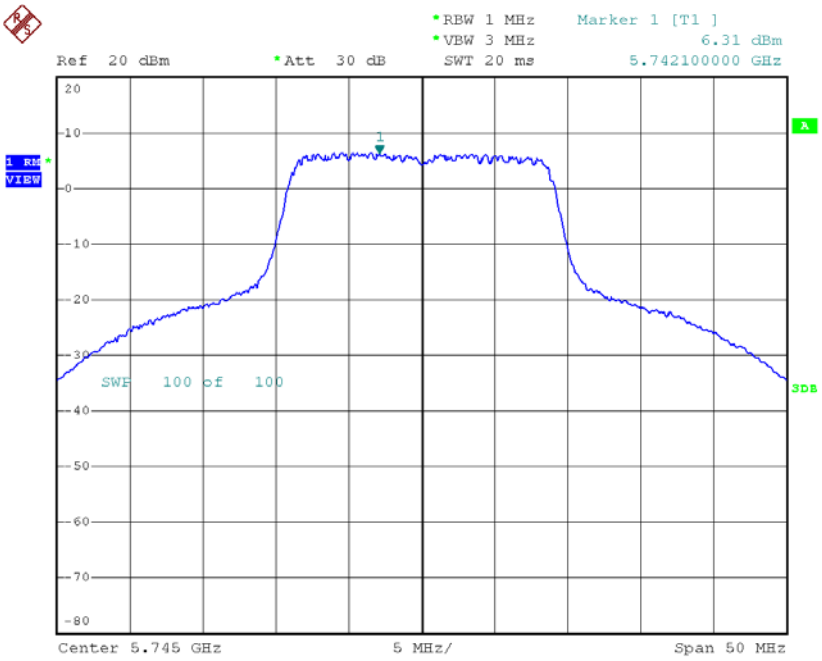


Date: 18.SEP.2018 14:22:55

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

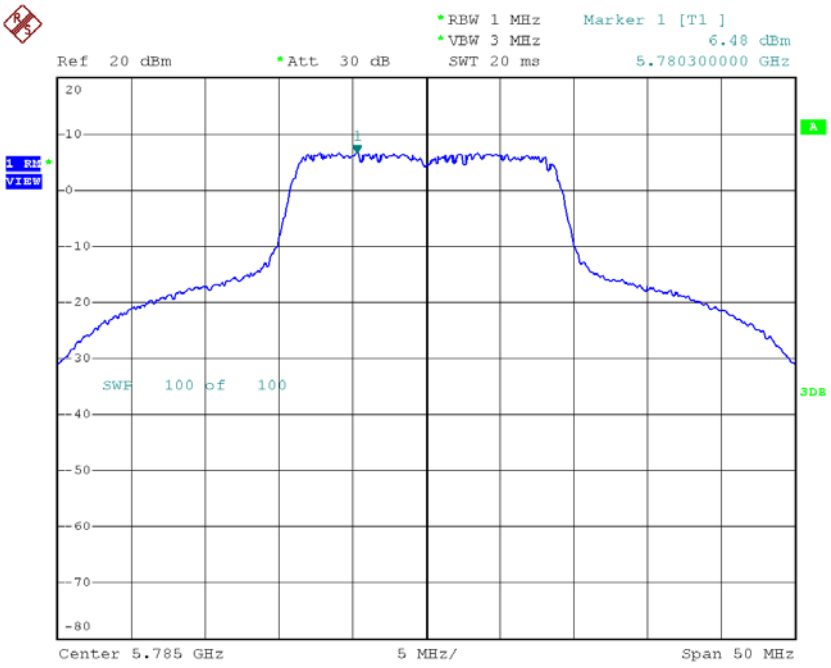
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	6.31	0.00	6.31	28.04
CH157	5785	6.48	0.00	6.48	28.04
CH165	5825	4.06	0.00	4.06	28.04

TX CH149



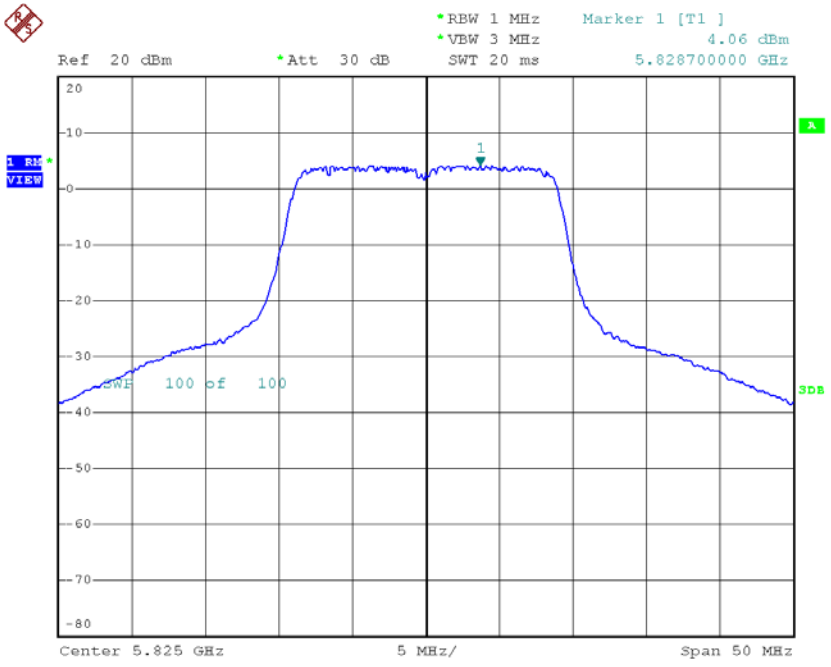
Date: 18.SEP.2018 15:25:53

TX CH157



Date: 18.SEP.2018 15:26:45

TX CH165



Date: 18.SEP.2018 15:27:39

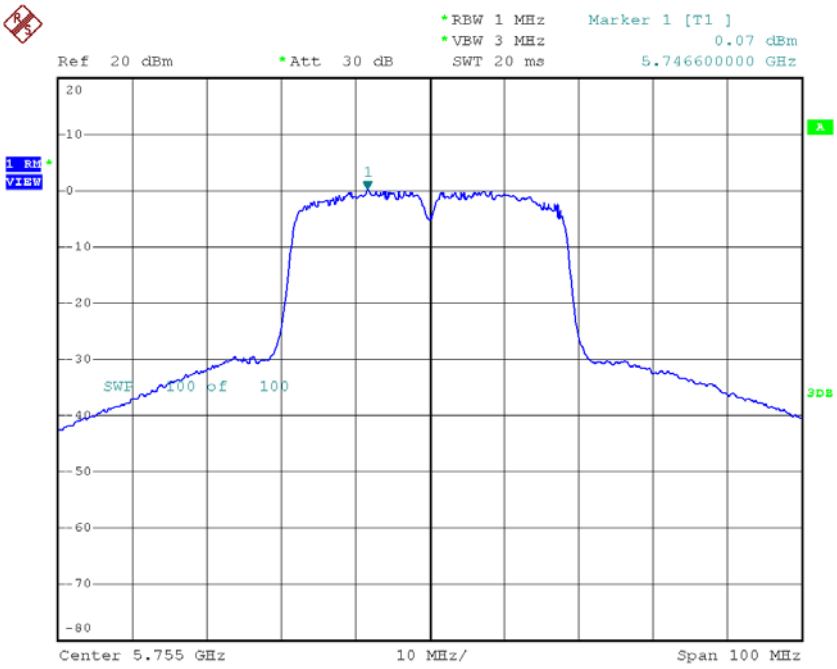
Test Mode: UNII-3/ TX N20 Mode_CH149/CH157/CH165_Total

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	7.79	28.04
CH157	5785	8.09	28.04
CH165	5825	6.24	28.04

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

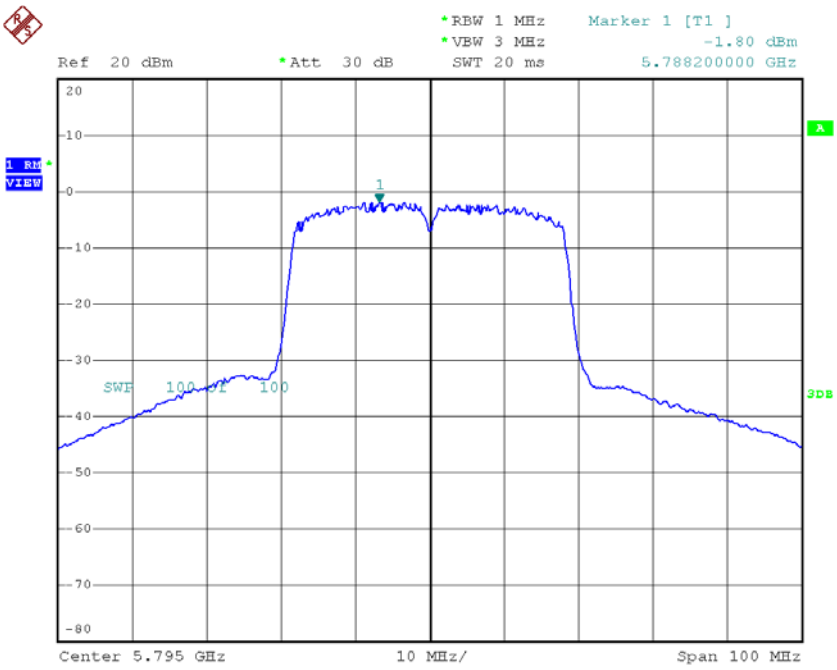
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH151	5755	0.07	0.16	0.23	28.04
CH159	5795	-1.80	0.16	-1.64	28.04

TX CH151



Date: 18.SEP.2018 14:33:03

TX CH159

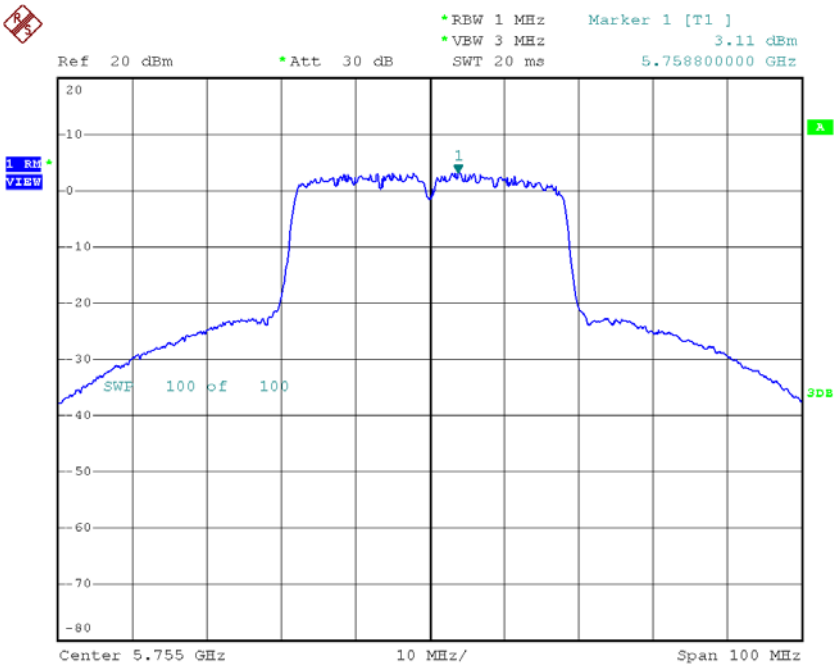


Date: 18.SEP.2018 14:34:09

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

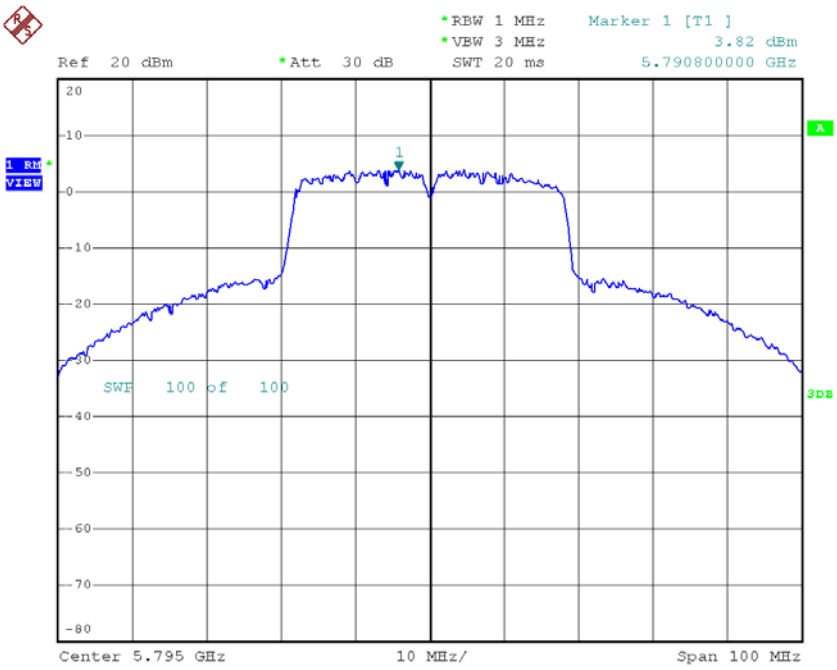
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH151	5755	3.11	0.16	3.27	28.04
CH159	5795	3.82	0.16	3.98	28.04

TX CH151



Date: 18.SEP.2018 15:37:17

TX CH159



Date: 18.SEP.2018 15:38:23

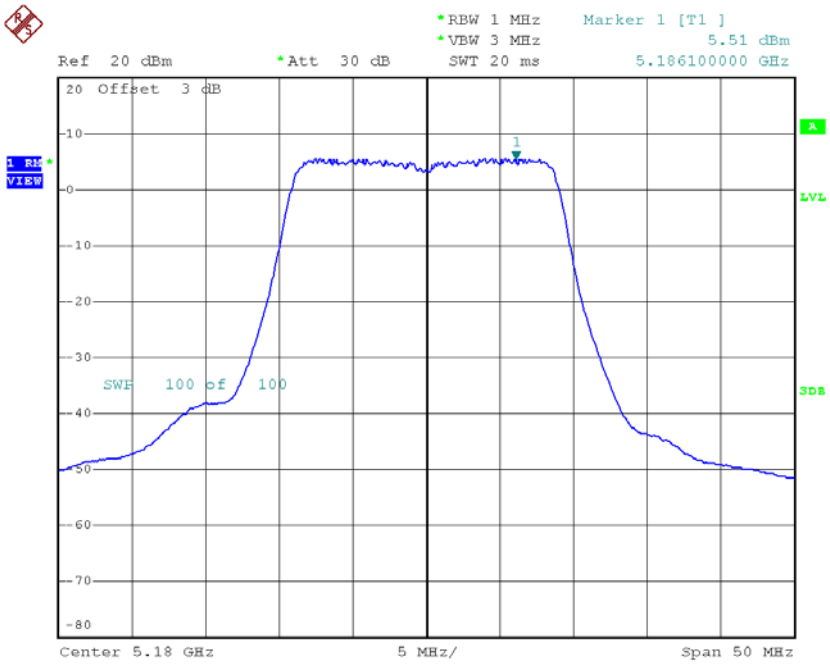
Test Mode: UNII-3/ TX N40 Mode_CH151/CH159_Total

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Limit (dBm/500kHz)
CH151	5755	5.02	28.04
CH159	5795	5.03	28.04

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

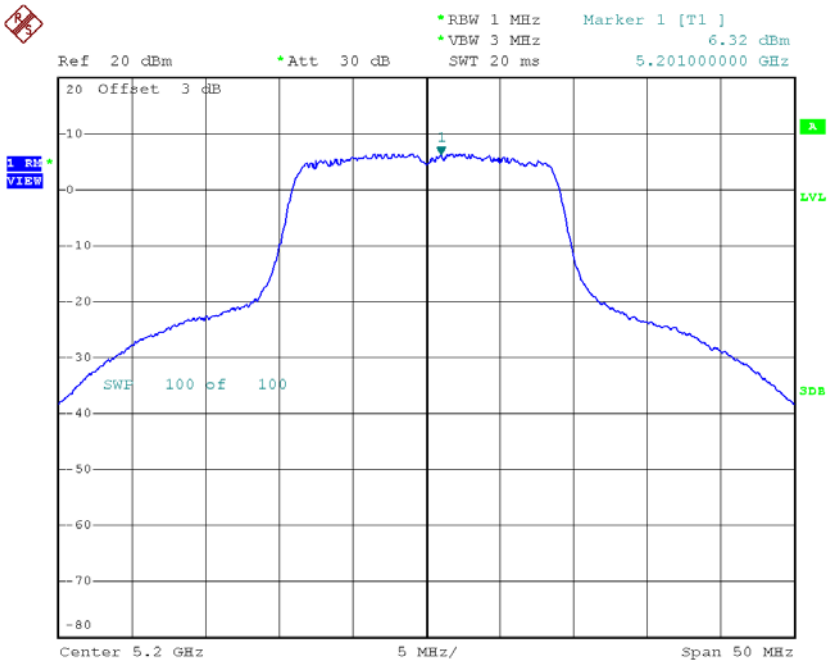
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	5.51	0.00	5.51	15.04
CH40	5200	6.32	0.00	6.32	15.04
CH48	5240	6.00	0.00	6.00	15.04

CH36



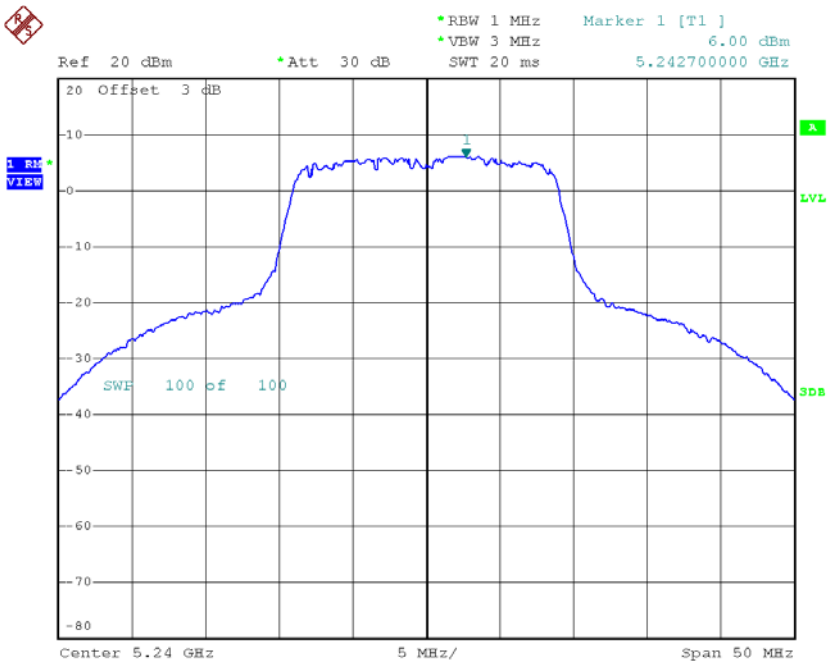
Date: 11.OCT.2018 13:54:16

CH40



Date: 18.SEP.2018 14:24:59

CH48

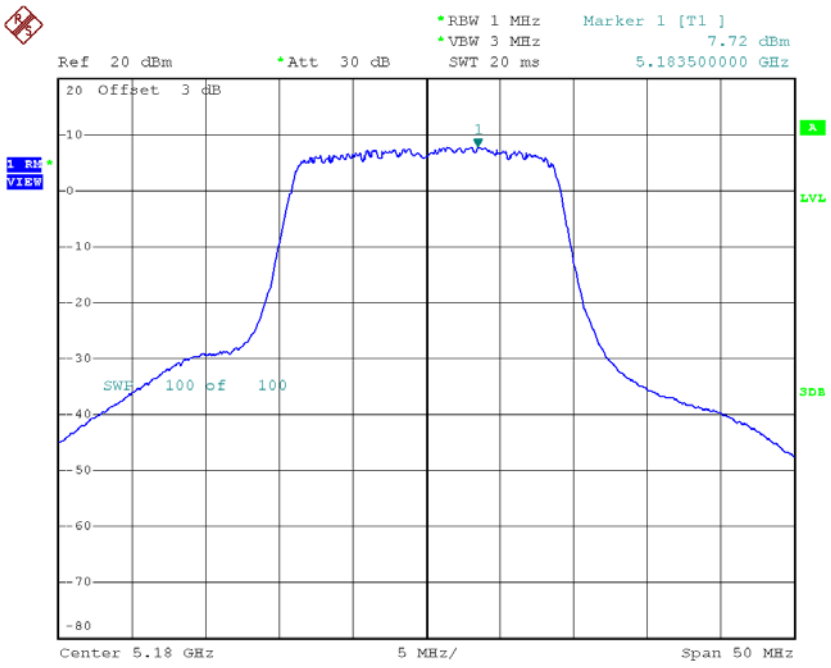


Date: 18.SEP.2018 14:25:52

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

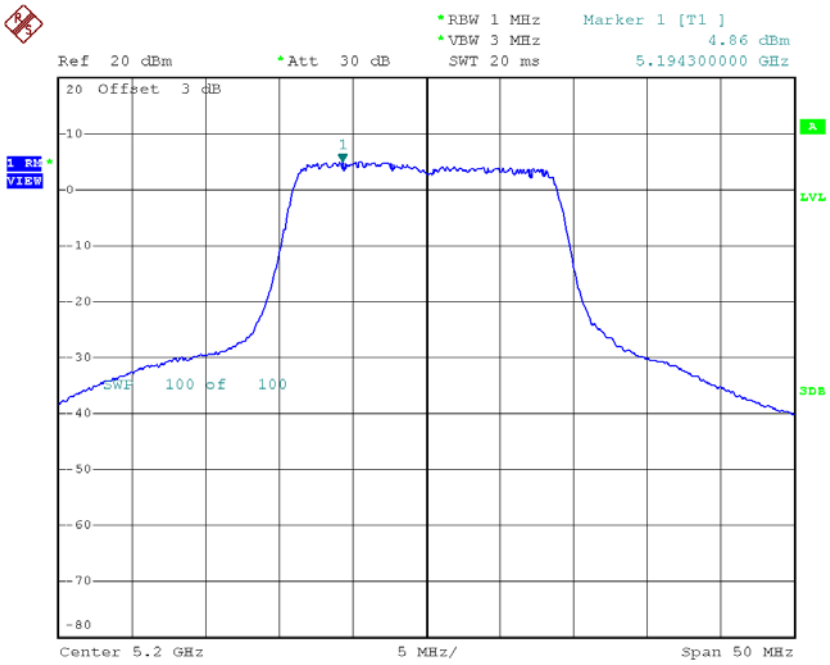
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	7.72	0.00	7.72	15.04
CH40	5200	4.86	0.00	4.86	15.04
CH48	5240	5.11	0.00	5.11	15.04

CH36



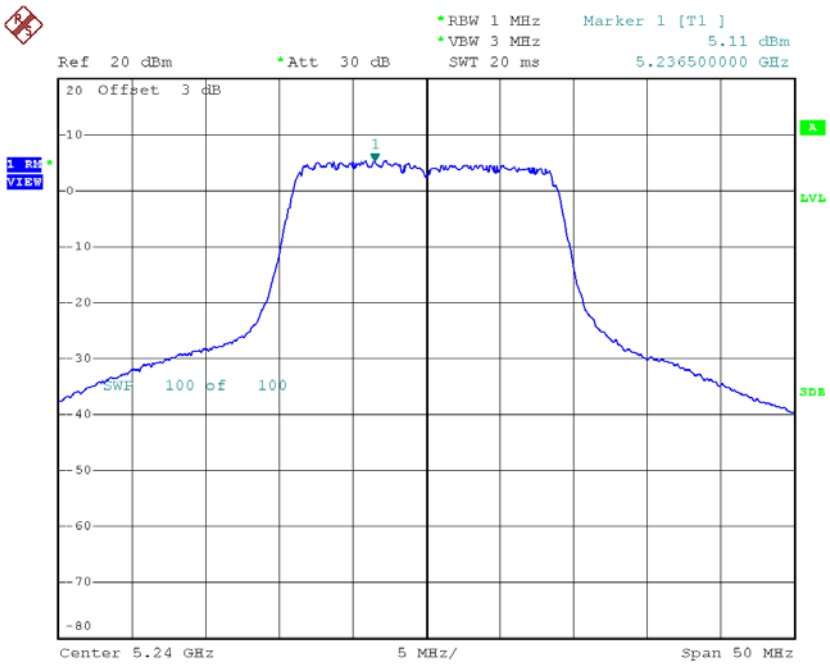
Date: 11.OCT.2018 14:08:03

CH40



Date: 18.SEP.2018 15:29:39

CH48



Date: 18.SEP.2018 15:30:34

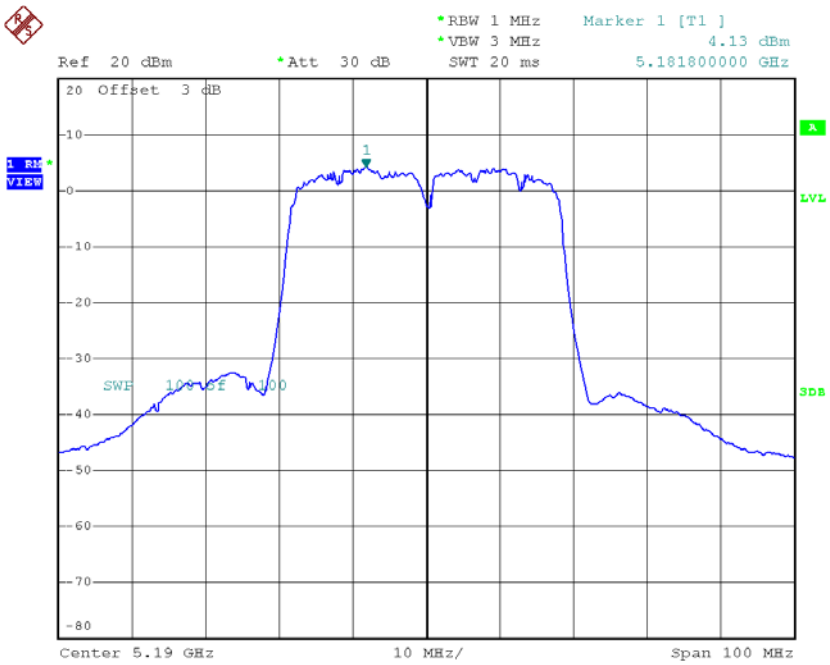
Test Mode: UNII-1/TX AC20 Mode_CH36/CH40/CH48_Total

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	9.76	15.04
CH40	5200	8.66	15.04
CH48	5240	8.59	15.04

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

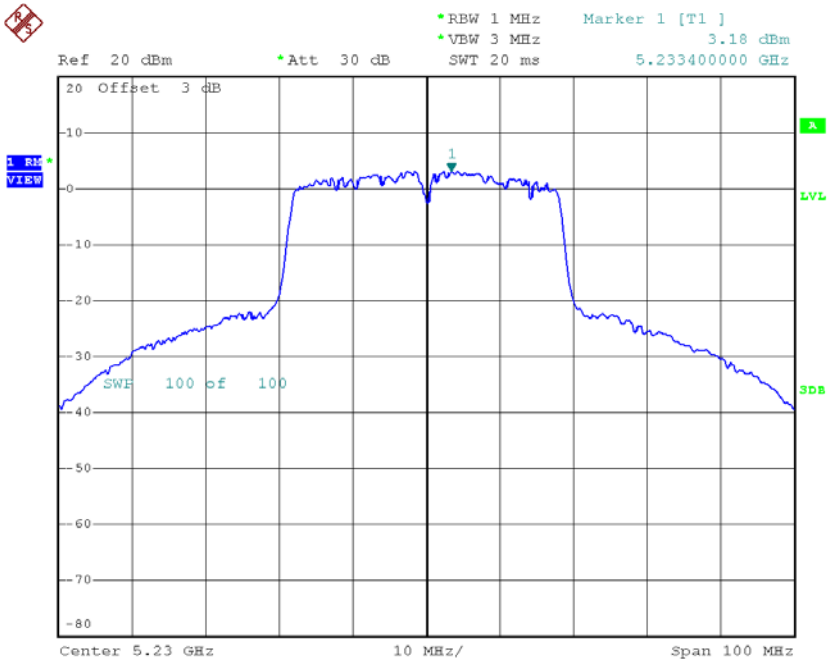
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	4.13	0.14	4.27	15.04
CH46	5230	3.18	0.14	3.32	15.04

CH38



Date: 11.OCT.2018 13:56:43

CH46

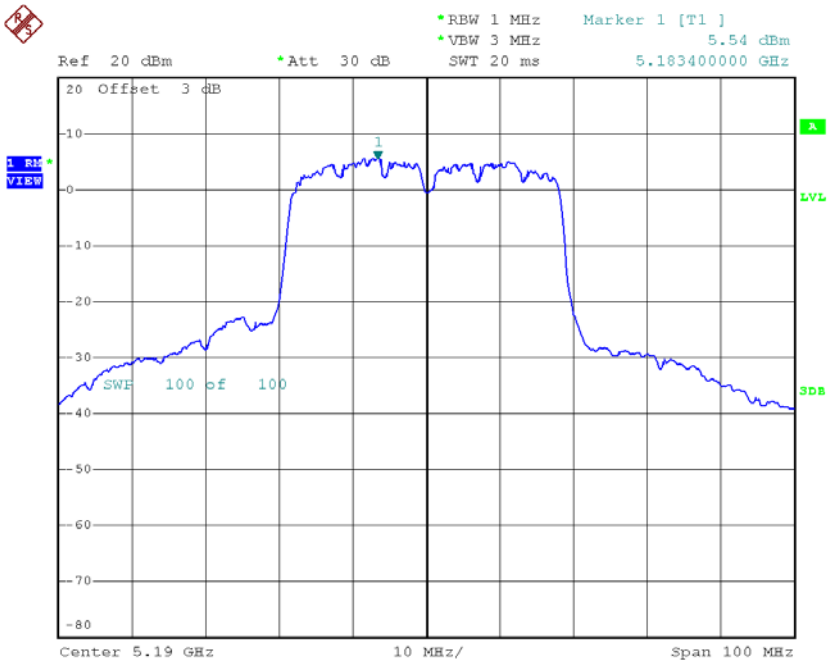


Date: 18.SEP.2018 14:38:18

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

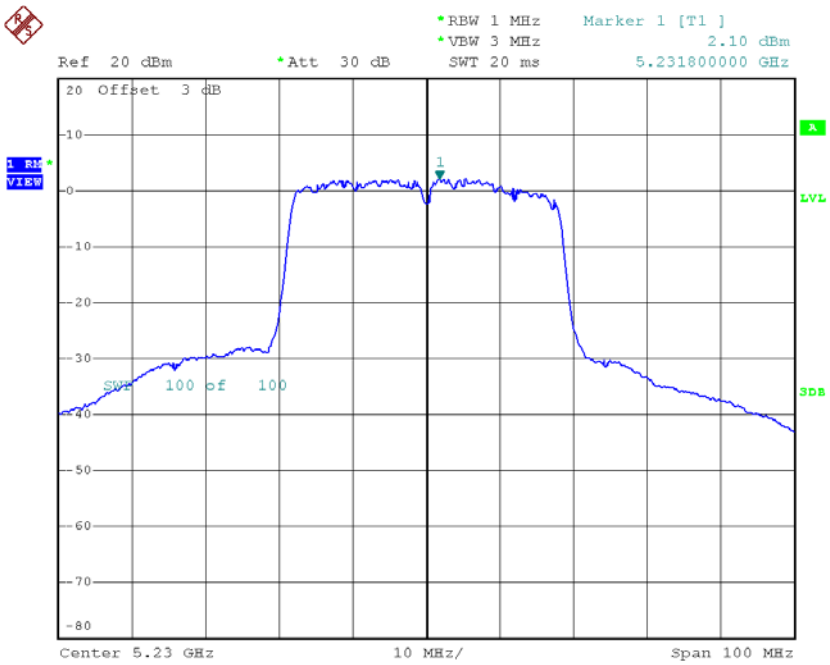
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	5.54	0.14	5.68	15.04
CH46	5230	2.10	0.14	2.24	15.04

CH38



Date: 11.OCT.2018 14:10:22

CH46



Date: 18.SEP.2018 15:40:24

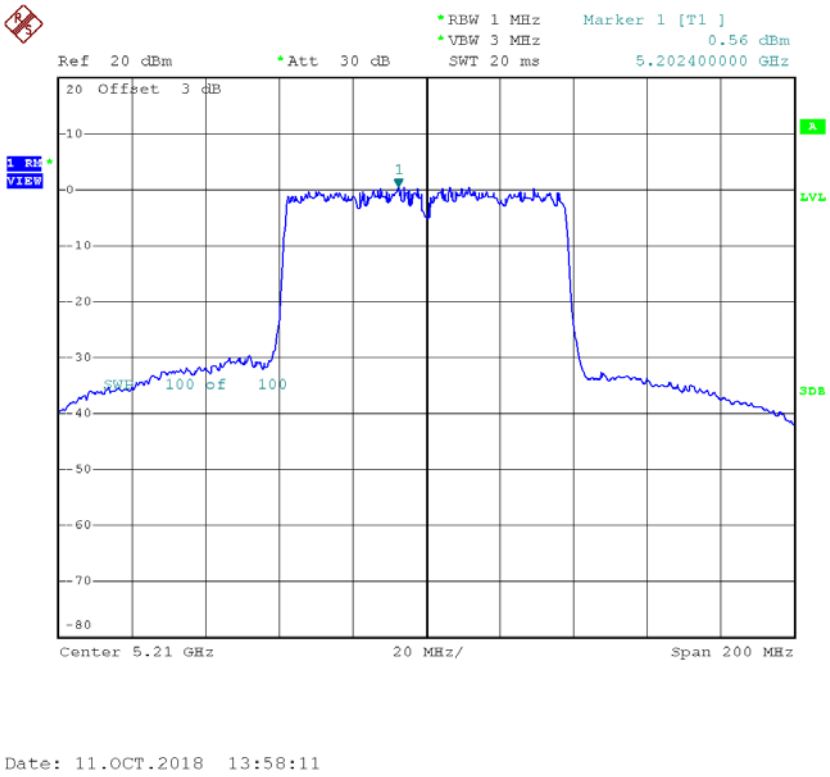
Test Mode: UNII-1/TX AC40 Mode_CH38/CH46_Total			

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	8.04	15.04
CH46	5230	5.82	15.04

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	0.56	0.33	0.89	15.04

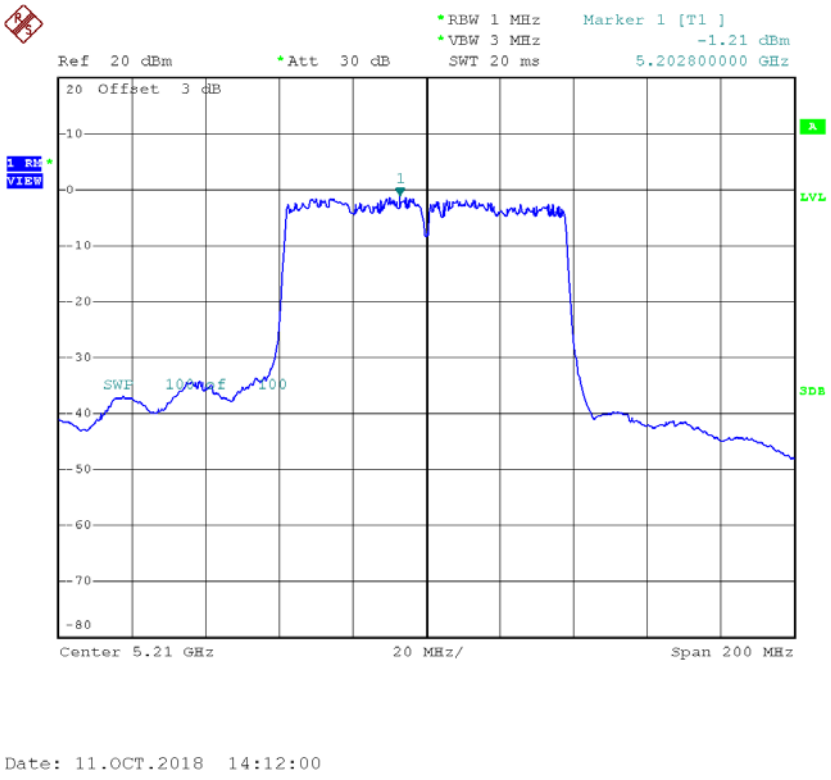
CH42



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	-1.21	0.33	-0.88	15.04

CH42

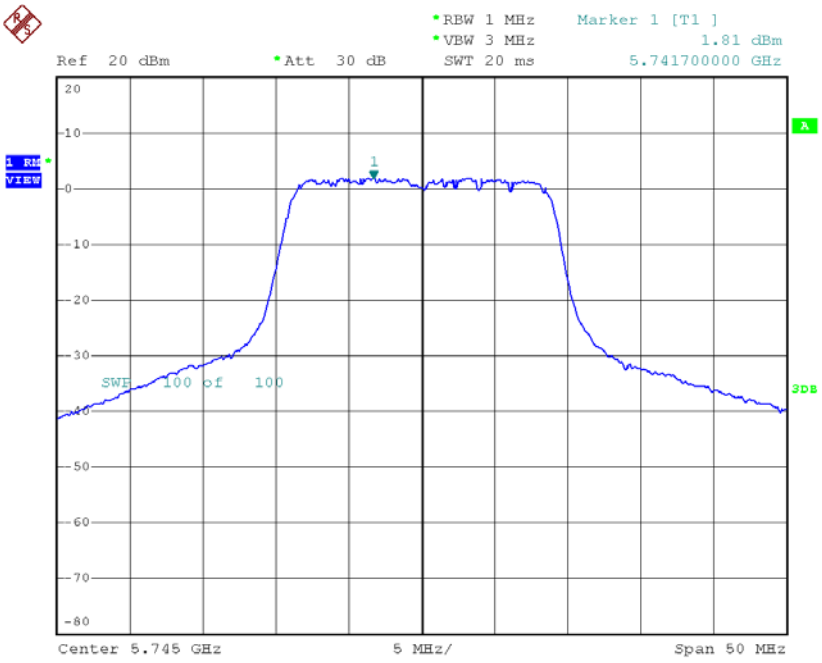


Test Mode: UNII-1/TX AC80 Mode_CH42_Total			
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH42	5210	3.11	15.04

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

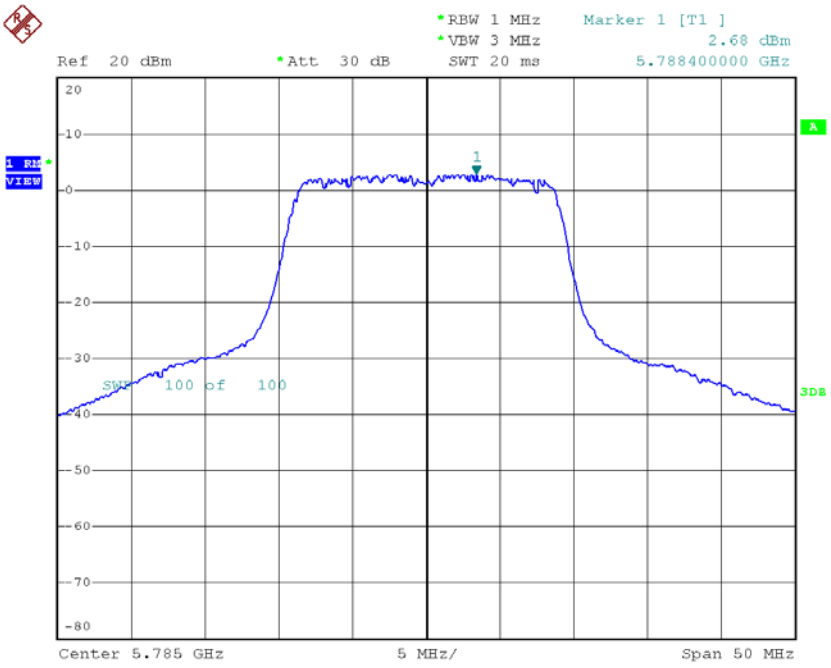
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	1.81	0.00	1.81	28.04
CH157	5785	2.68	0.00	2.68	28.04
CH165	5825	2.05	0.00	2.05	28.04

TX CH149



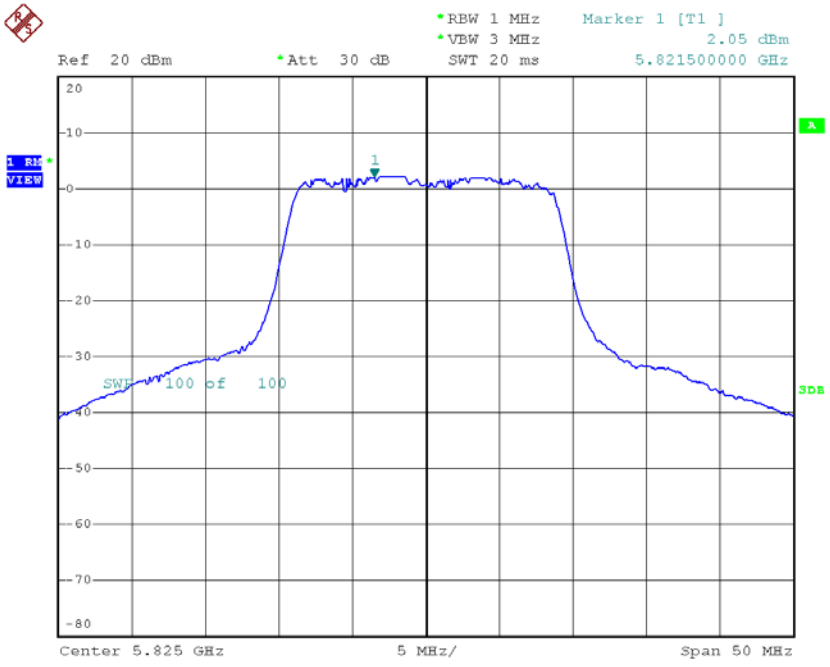
Date: 18.SEP.2018 14:27:01

TX CH157



Date: 18.SEP.2018 14:28:06

TX CH165

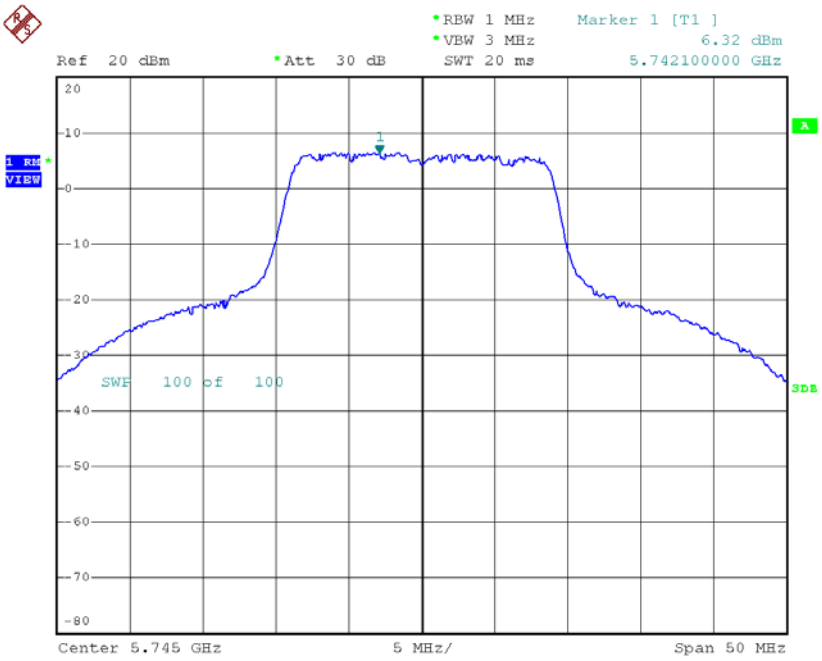


Date: 18.SEP.2018 14:29:04

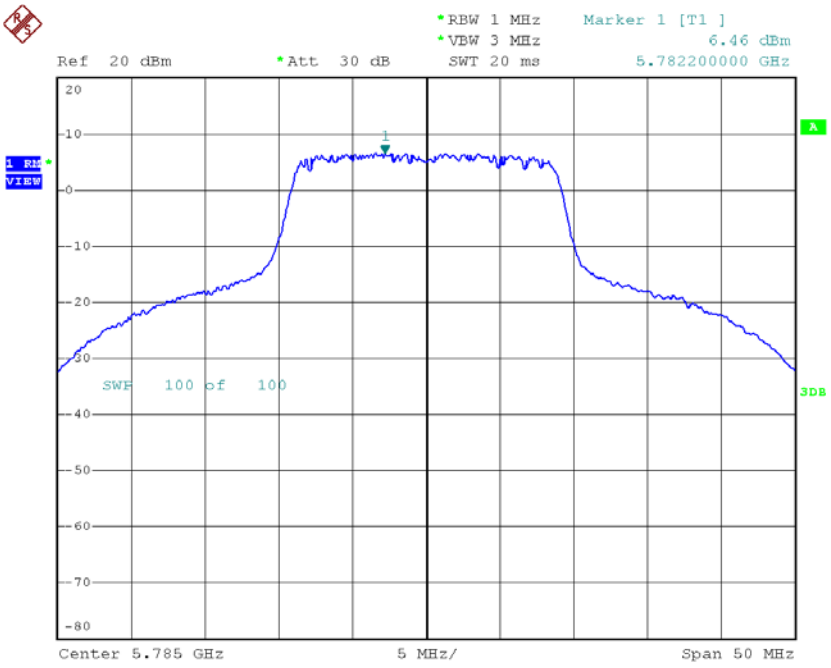
Test Mode: UNII-3/ TX AC20 Mode_CH149/CH157/CH165_ANT 2

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	6.32	0.00	6.32	28.04
CH157	5785	6.46	0.00	6.46	28.04
CH165	5825	4.13	0.00	4.13	28.04

TX CH149

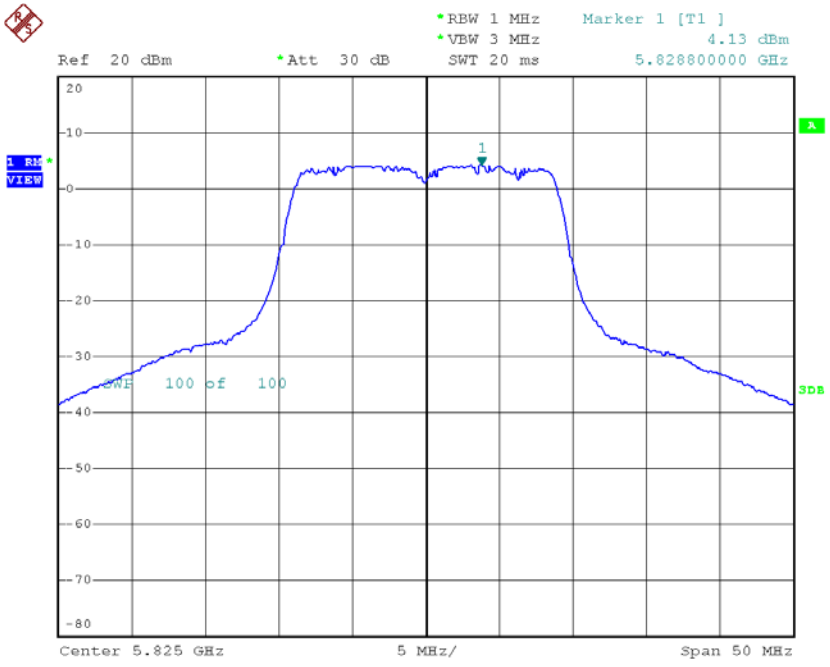


TX CH157



Date: 18.SEP.2018 15:32:33

TX CH165



Date: 18.SEP.2018 15:33:33

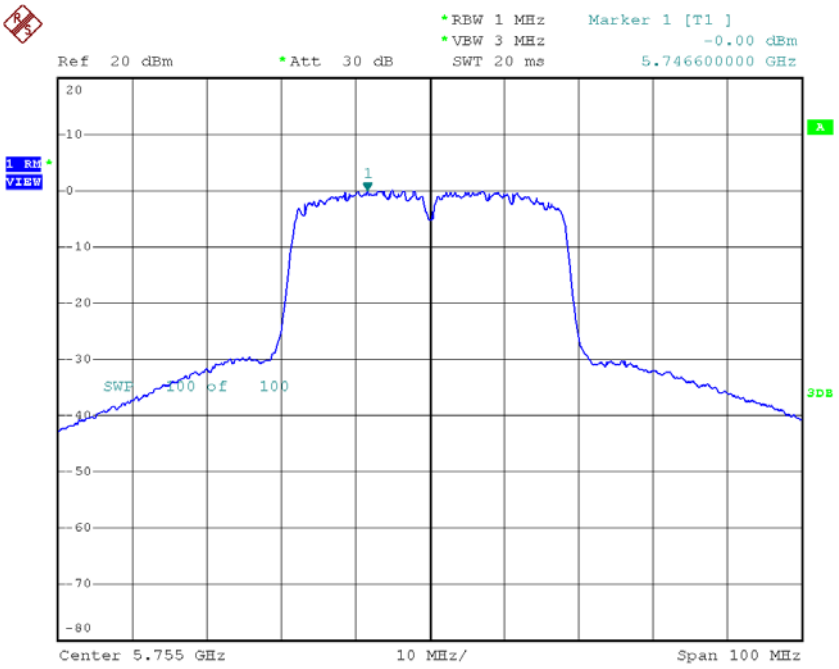
Test Mode: UNII-3/ TX AC20 Mode_CH149/CH157/CH165_Total

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	7.64	28.04
CH157	5785	7.98	28.04
CH165	5825	6.22	28.04

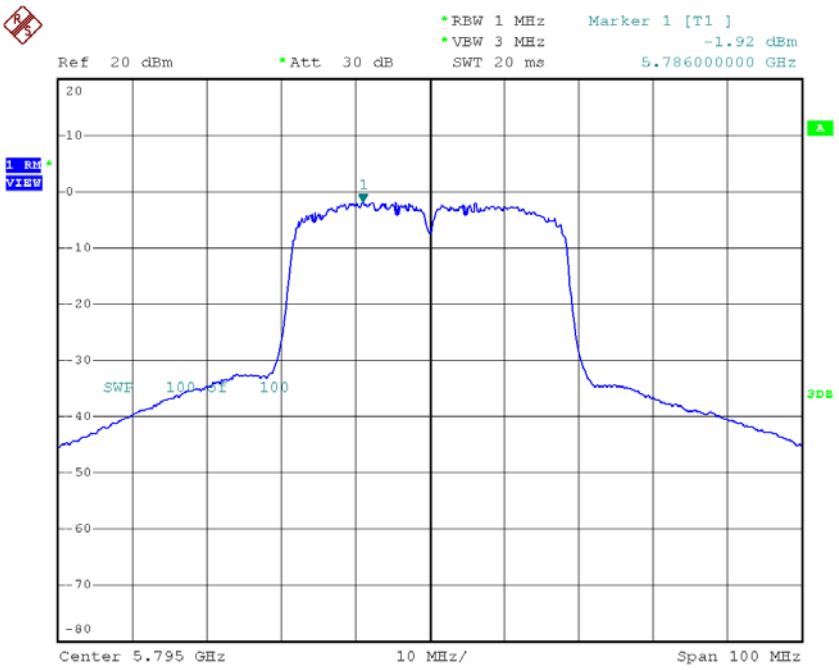
Test Mode: UNII-3/ TX AC40 Mode_CH151/CH159_ANT 1

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH151	5755	0.00	0.14	0.14	28.04
CH159	5795	-1.92	0.14	-1.78	28.04

TX CH151



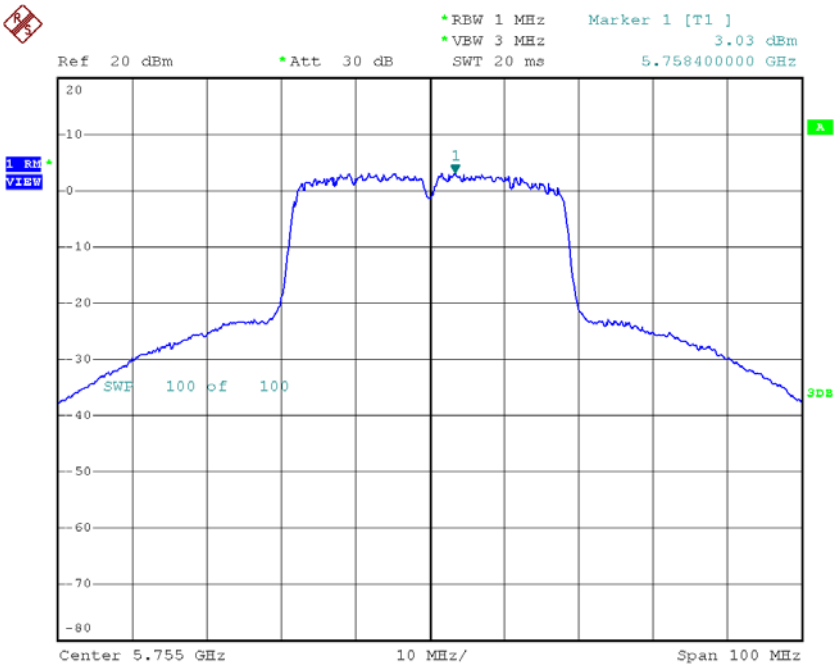
TX CH159



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

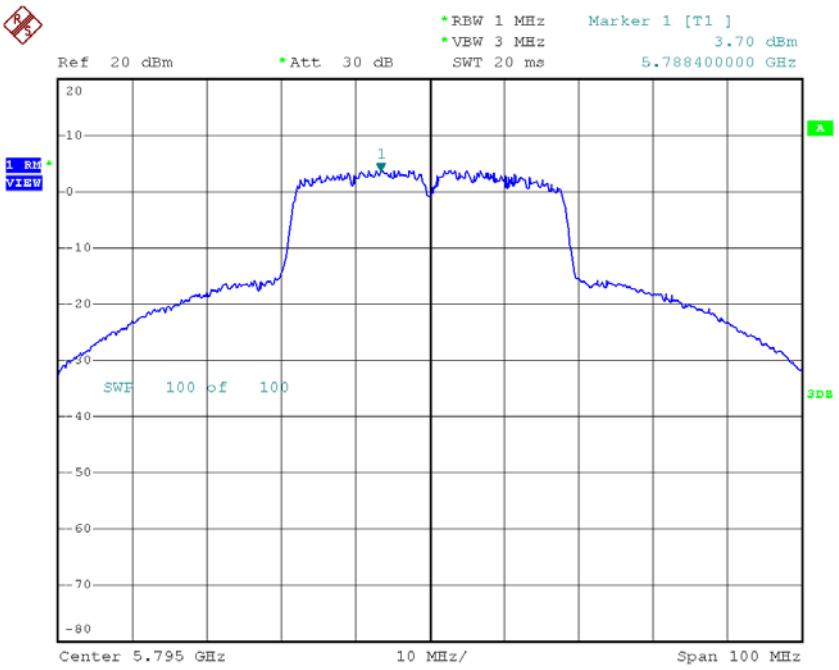
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH151	5755	3.03	0.14	3.17	28.04
CH159	5795	3.70	0.14	3.84	28.04

TX CH151



Date: 18.SEP.2018 15:41:28

TX CH159



Date: 18.SEP.2018 15:42:28

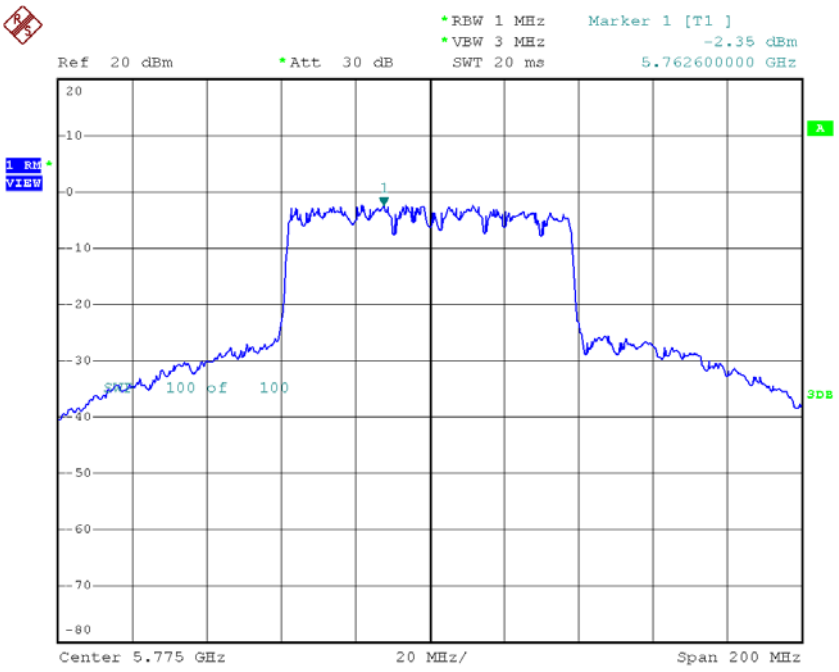
Test Mode: UNII-3/ TX AC40 Mode_CH151/CH159_Total

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Limit (dBm/500kHz)
CH151	5755	4.92	28.04
CH159	5795	4.89	28.04

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	-2.35	0.33	-2.02	28.04

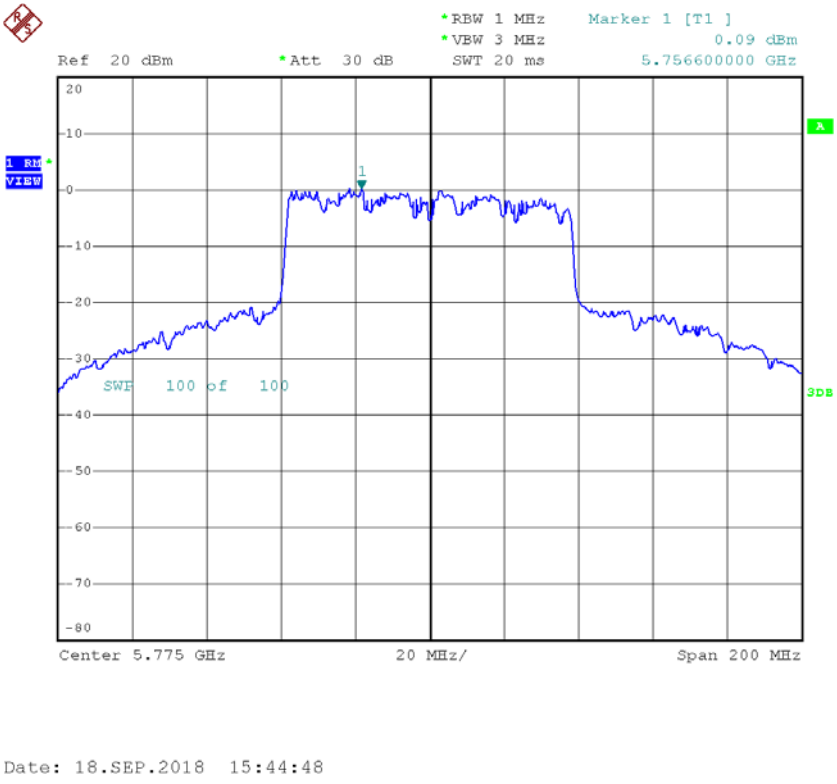
TX CH155



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	0.09	0.33	0.42	28.04

TX CH155



Date: 18.SEP.2018 15:44:48

Test Mode: UNII-3/ TX AC80 Mode_CH155_Total			

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Limit (dBm/500kHz)
CH155	5775	2.38	28.04

APPENDIX H - FREQUENCY STABILITY

Test Mode:	UNII-1

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5180.0000
138	5179.9696
120	5179.9712
102	5179.9716
Max. Deviation (MHz)	0.0304
Max. Deviation (ppm)	5.8687

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(^{o}C)	5180.0000
0	5179.9720
10	5179.9724
20	5179.9728
30	5179.9728
40	5179.9732
Max. Deviation (MHz)	0.0280
Max. Deviation (ppm)	5.4054

Test Mode:	UNII-3

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5745.0000
138	5744.9636
120	5744.9652
102	5744.9664
Max. Deviation (MHz)	0.0364
Max. Deviation (ppm)	6.3359

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(^{o}C)	5745.0000
0	5744.9668
10	5744.9676
20	5744.9680
30	5744.9680
40	5744.9684
Max. Deviation (MHz)	0.0332
Max. Deviation (ppm)	5.7789

End of Test Report