TX AC80 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHz

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

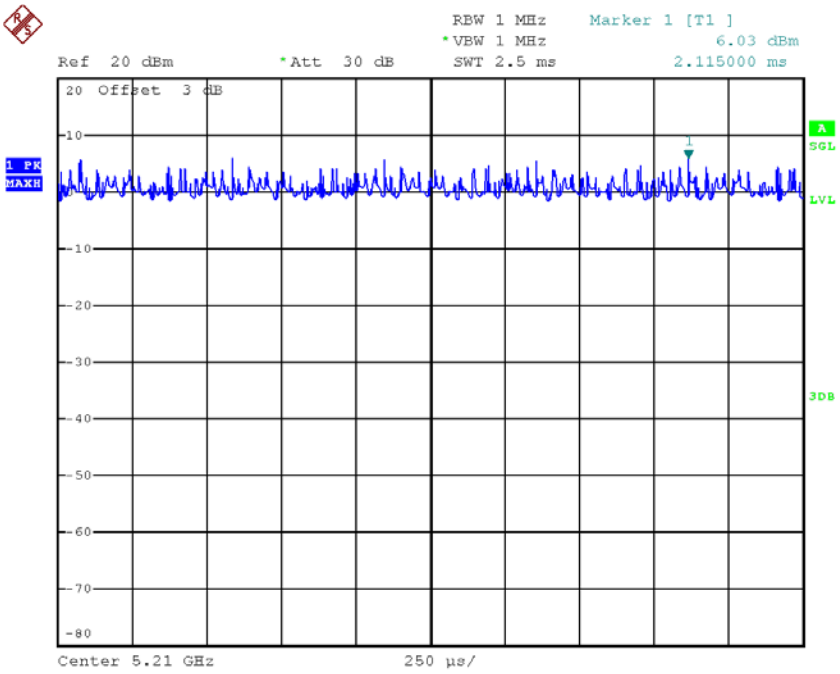
T_{ON}: 100000.000 msec

T_{Total}: 100000.000 msec

Duty cycle: 100.000%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.00



Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is not less than 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

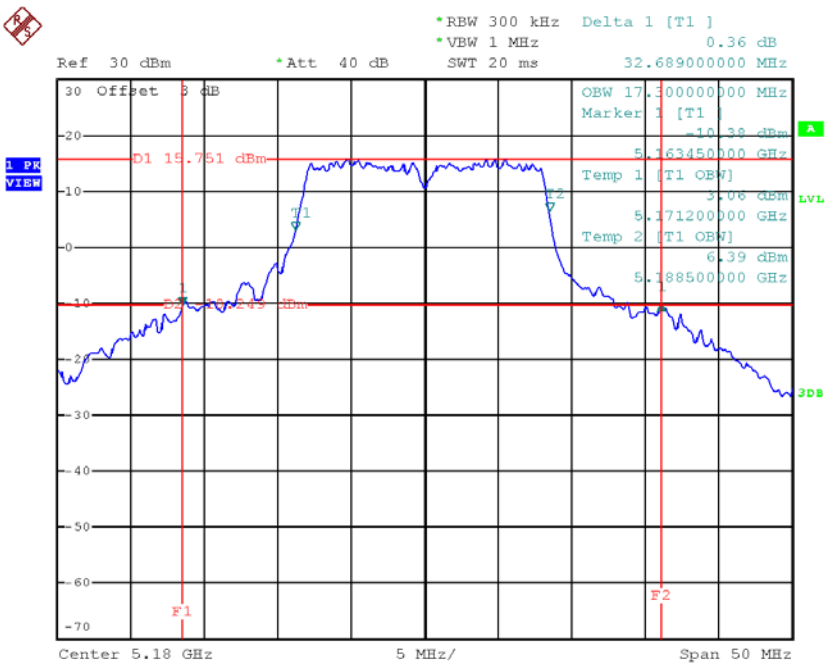
APPENDIX E - BANDWIDTH

Non Beamforming

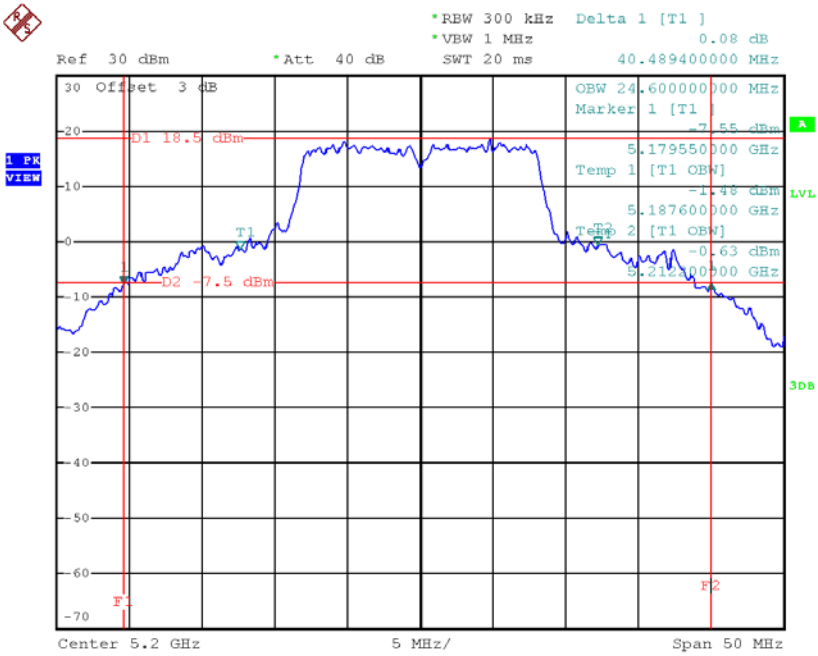
Test Mode: UNII-1/TX A Mode_CH36/CH40/CH48

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	32.69	17.30
CH40	5200	40.49	24.60
CH48	5240	41.80	27.80

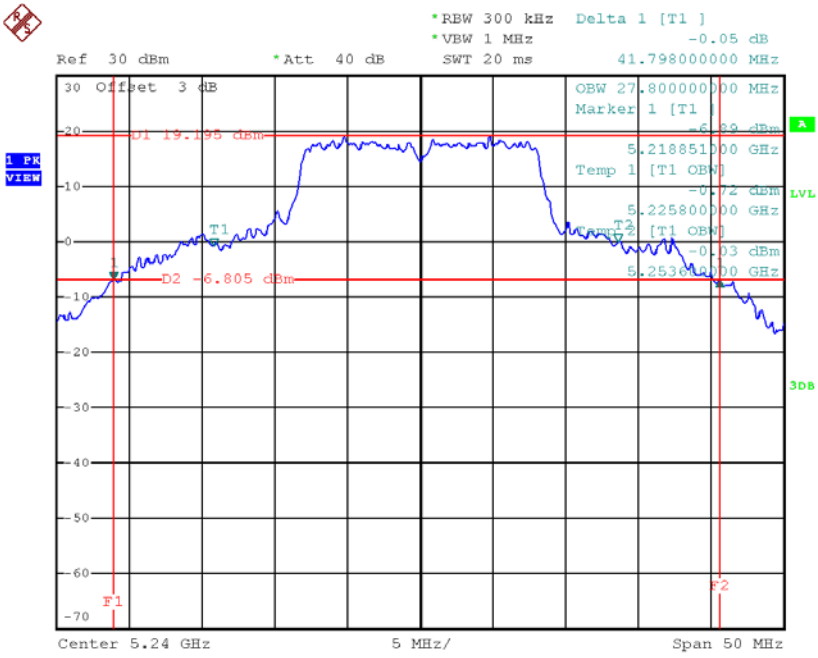
TX CH36



TX CH40



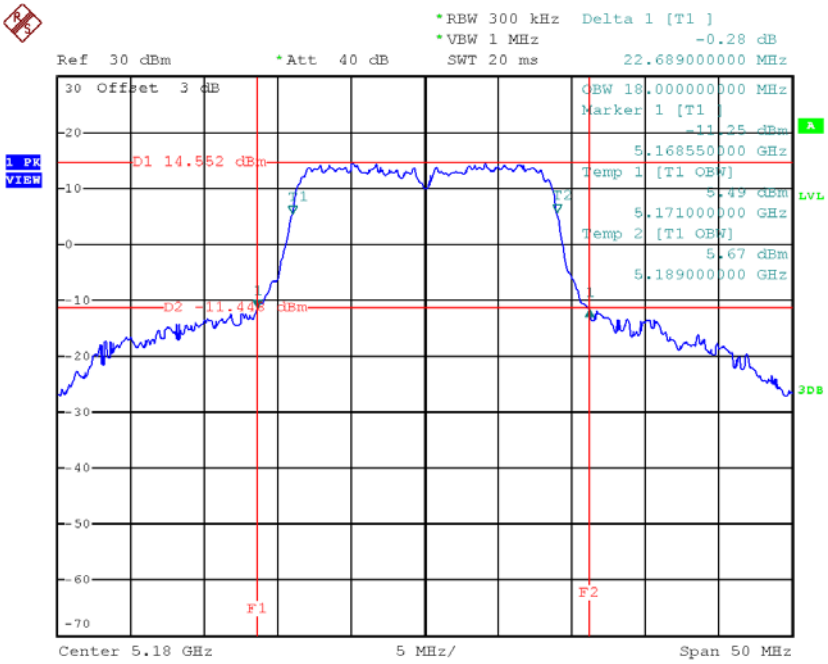
TX CH48



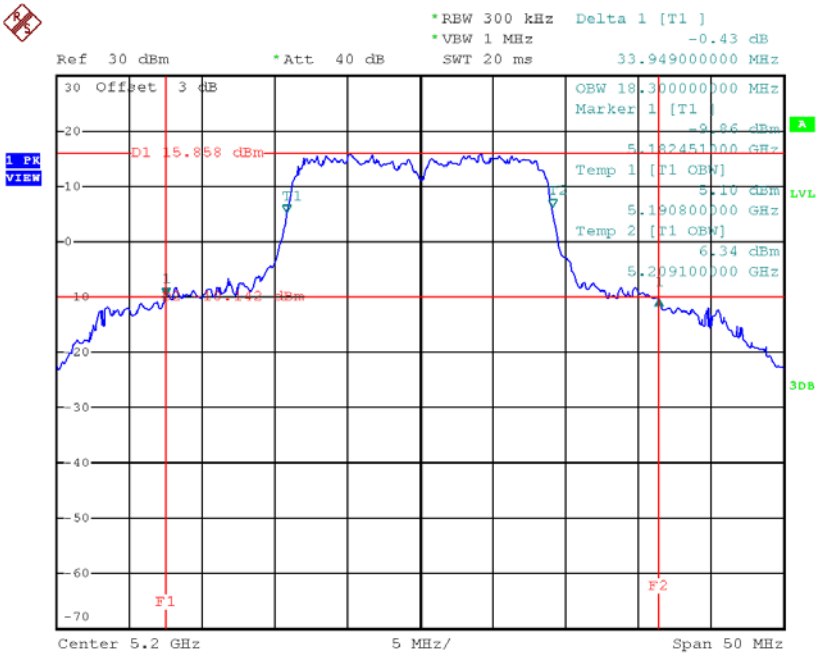
Test Mode: UNII-1/TX N20 Mode_CH36/CH40/CH48

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	22.69	18.00
CH40	5200	33.95	18.30
CH48	5240	33.50	18.30

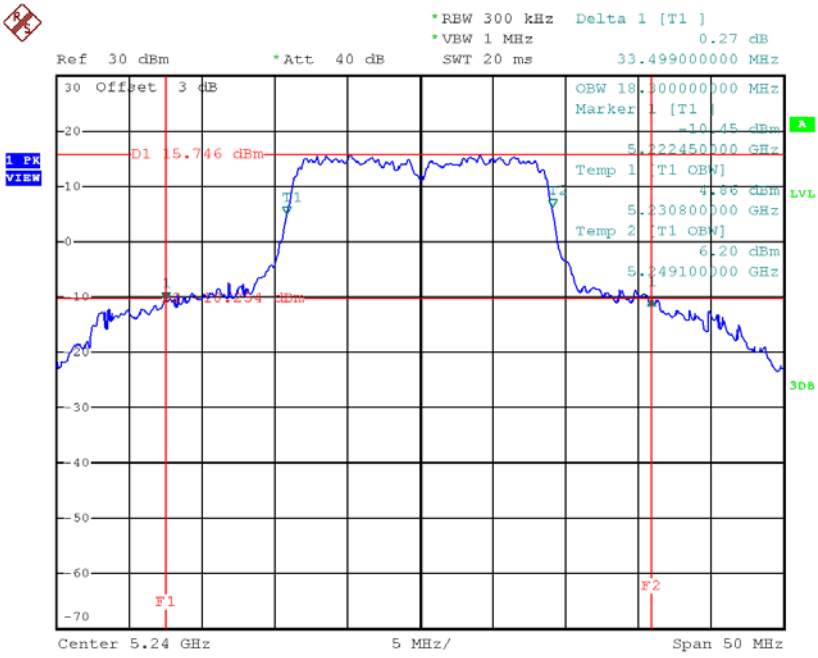
TX CH36



TX CH40

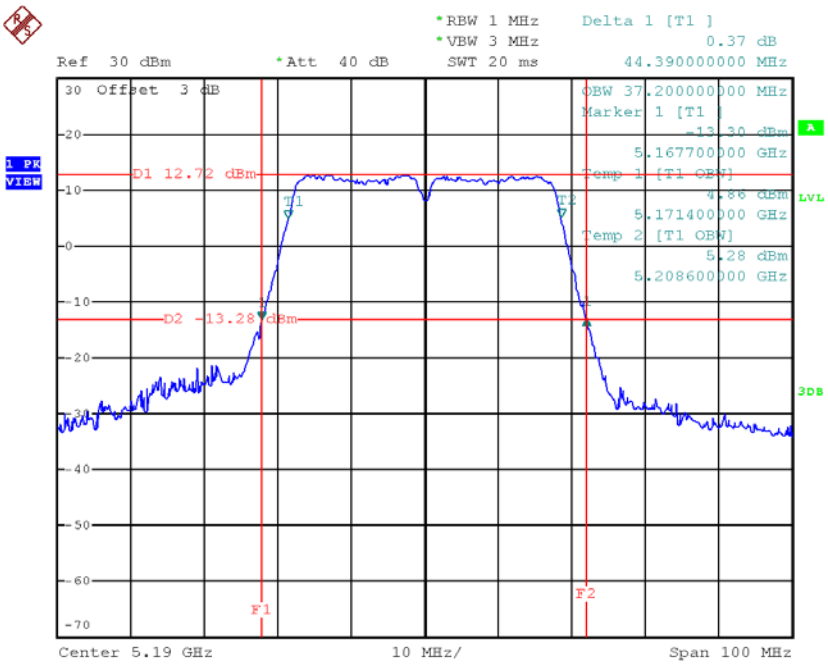


TX CH48

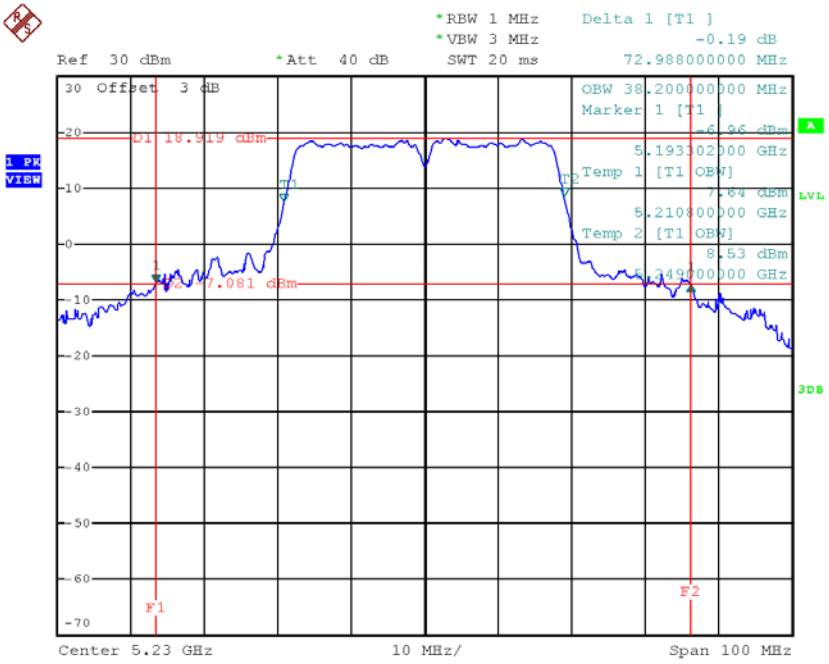


Test Mode: UNII-1/TX N40 Mode_CH38/CH46			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH38	5190	44.39	37.20
CH46	5230	72.99	38.20

TX CH38



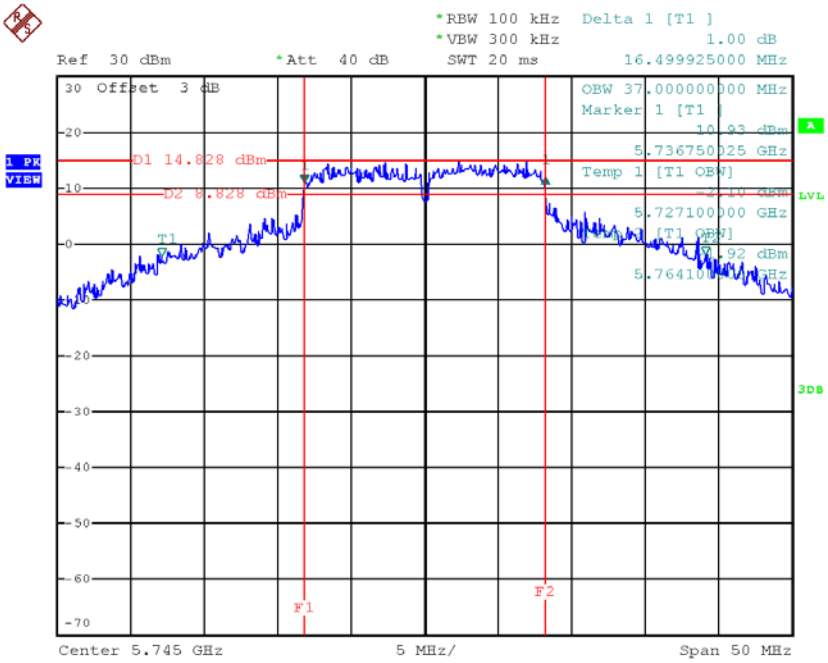
TX CH46



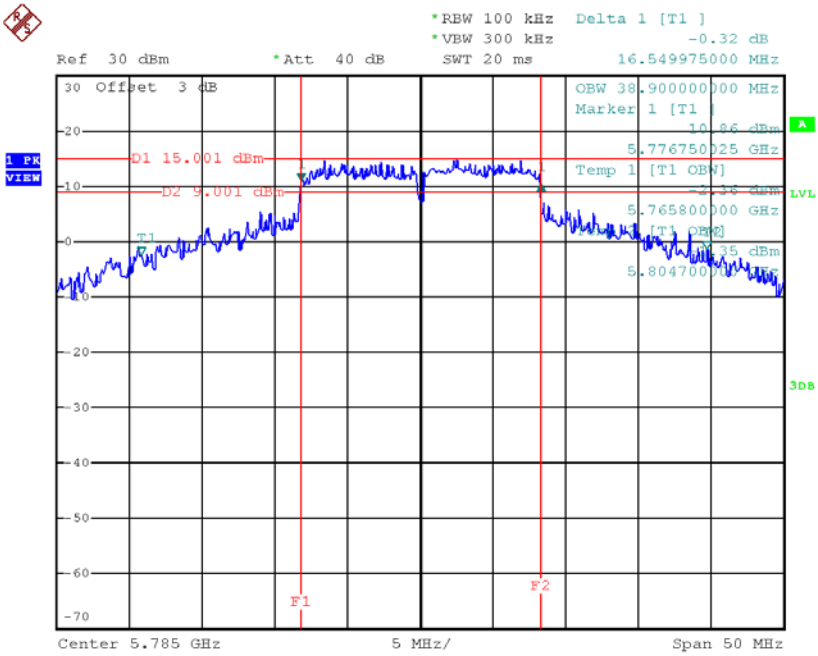
Test Mode: UNII-3/ TX A Mode_CH149/CH157/CH165

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	16.50	37.00	>=500
CH157	5785	16.55	38.90	>=500
CH165	5825	16.61	38.90	>=500

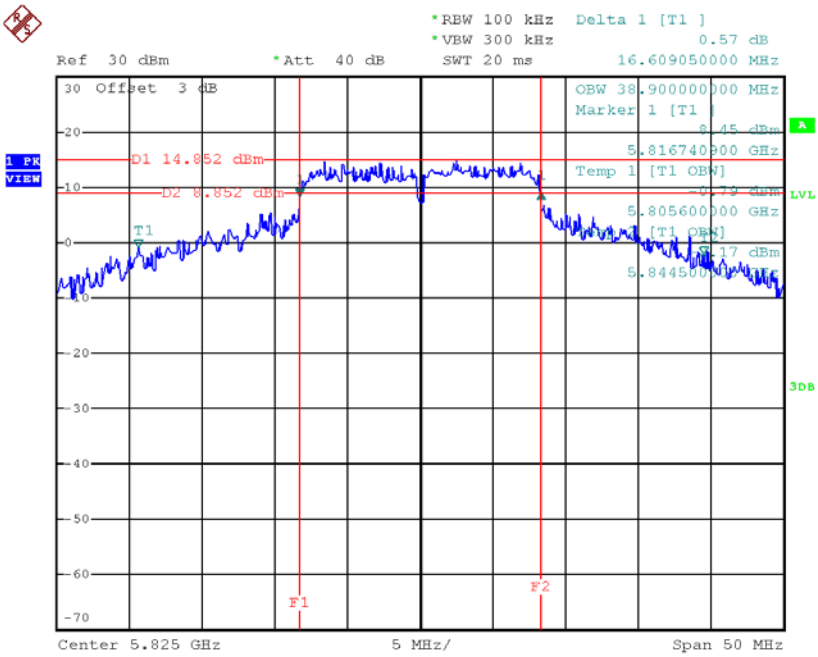
TX CH 149



TX CH 157

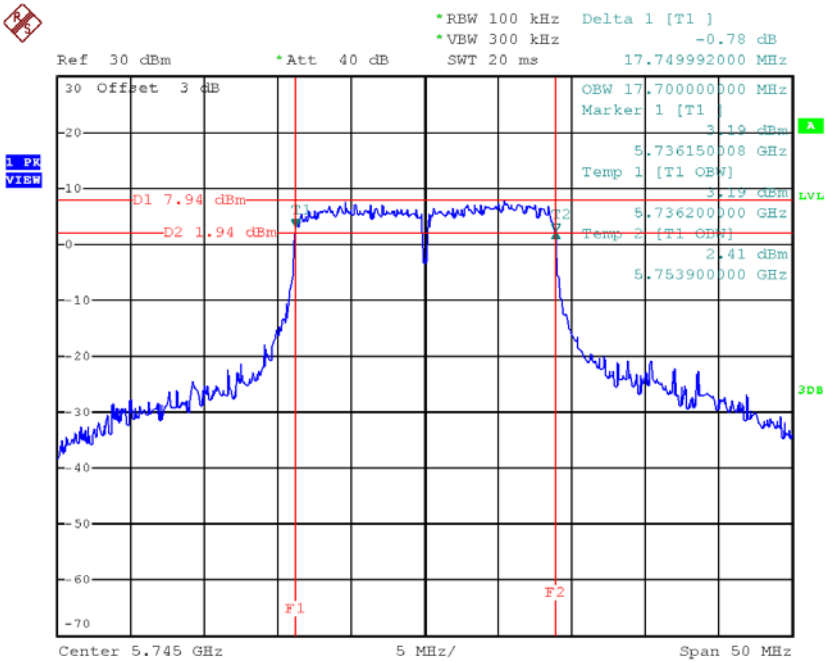


TX CH 165

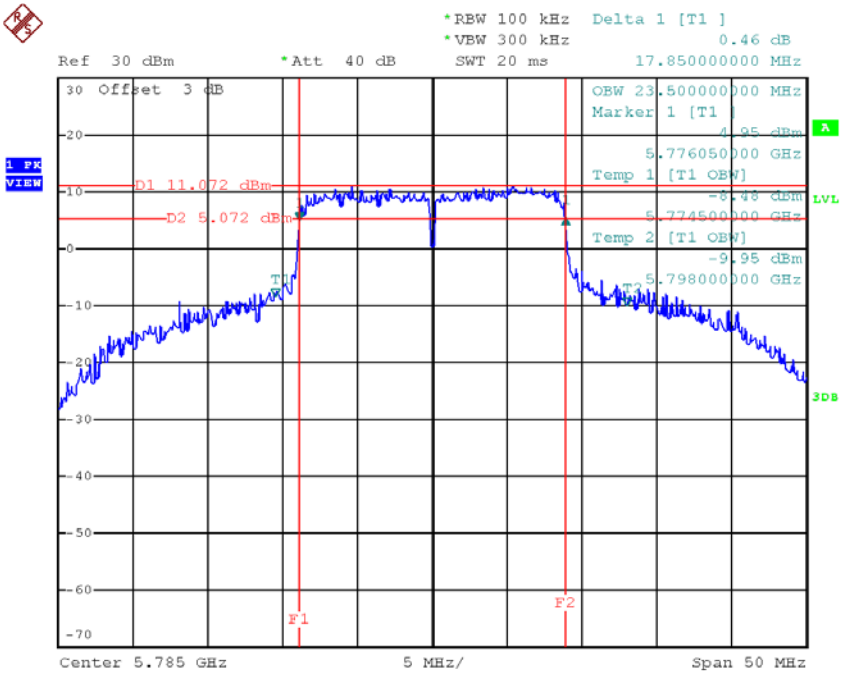


Test Mode: UNII-3/ TX N20 Mode_CH149/CH157/CH165				
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	17.75	17.70	>=500
CH157	5785	17.85	23.50	>=500
CH165	5825	17.76	23.30	>=500

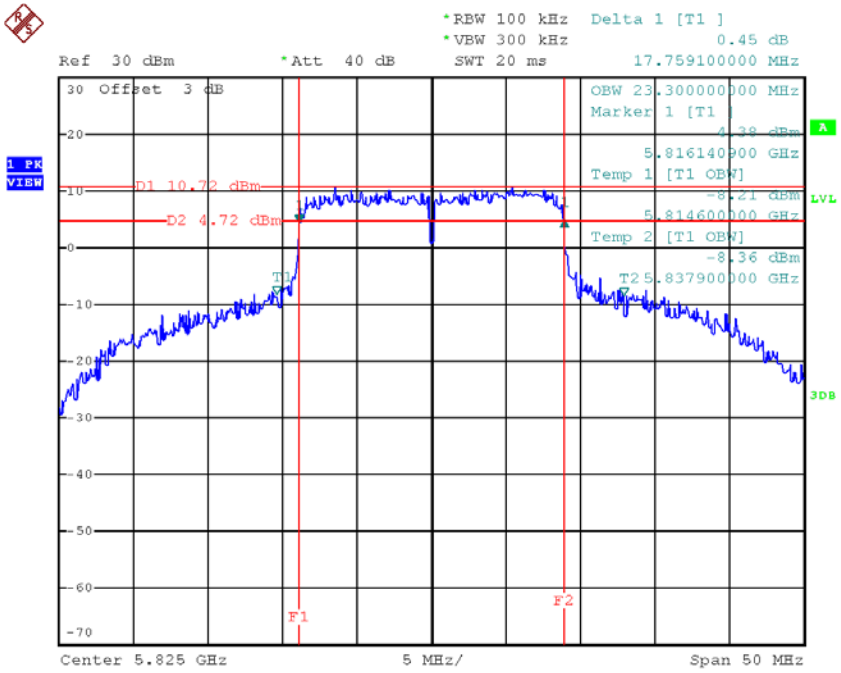
TX CH 149



TX CH 157



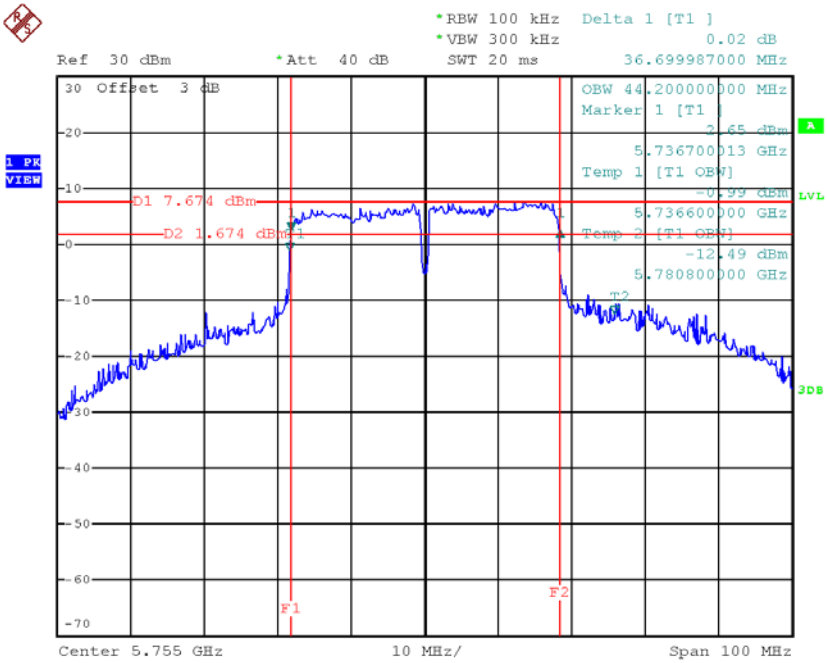
TX CH 165



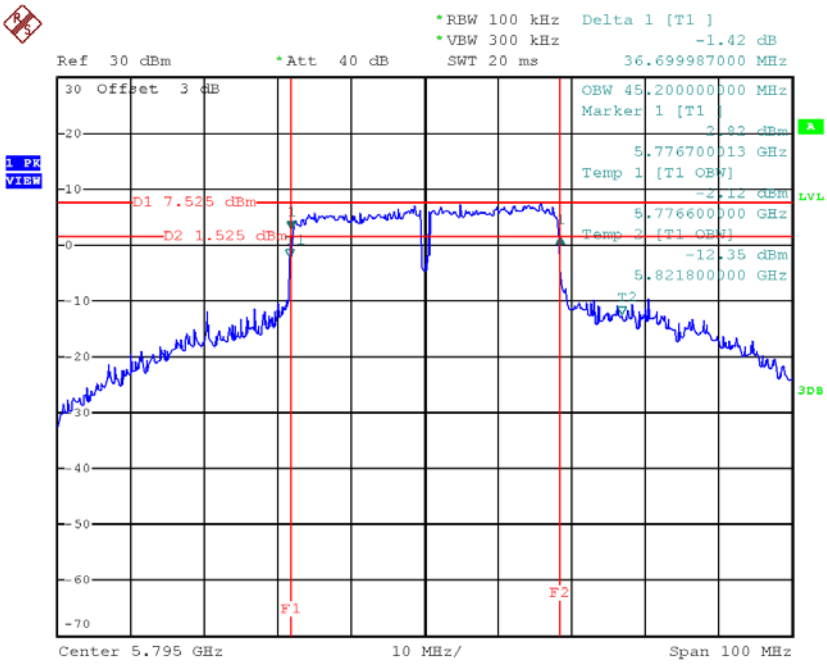
Test Mode: UNII-3/ TX N40 Mode_CH151/CH159

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH151	5755	36.70	44.20	>=500
CH159	5795	36.70	45.20	>=500

TX CH 151

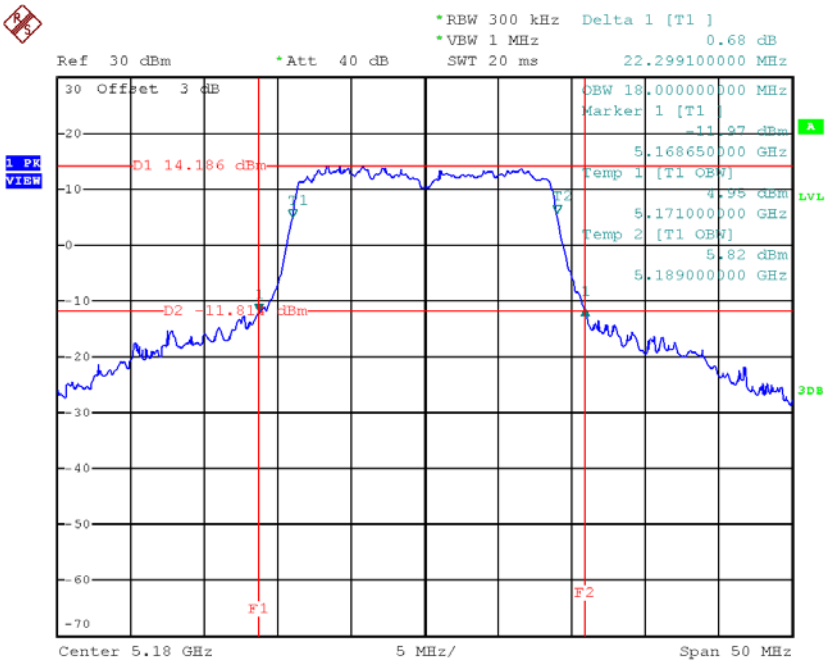


TX CH 159

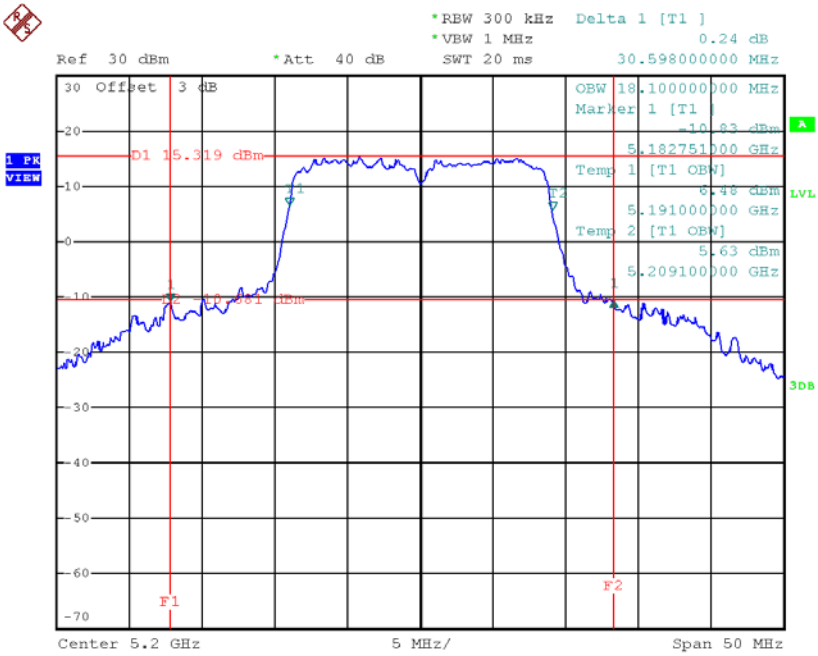


Test Mode: UNII-1/TX AC20 Mode_CH36/CH40/CH48			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	22.30	18.00
CH40	5200	30.60	18.10
CH48	5240	26.09	18.00

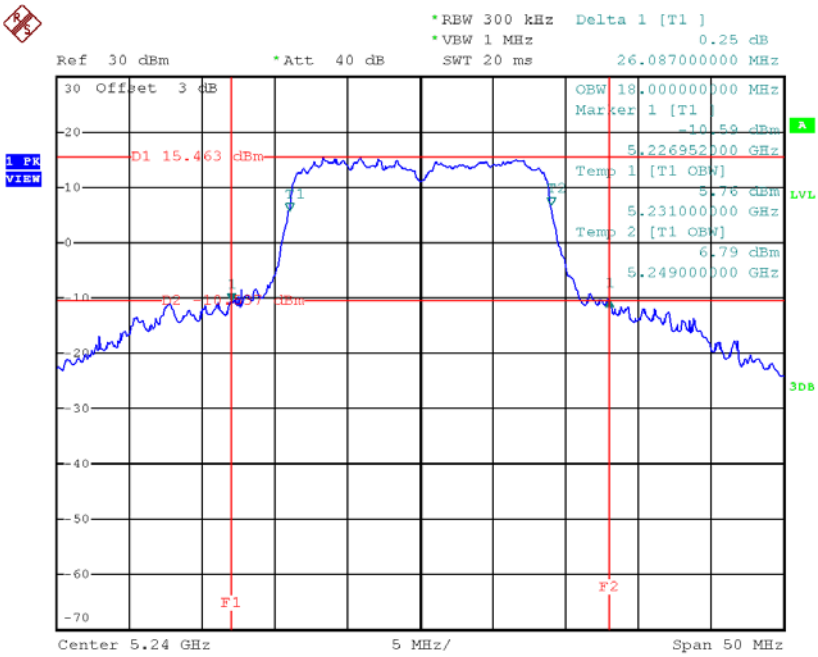
TX CH36



TX CH40



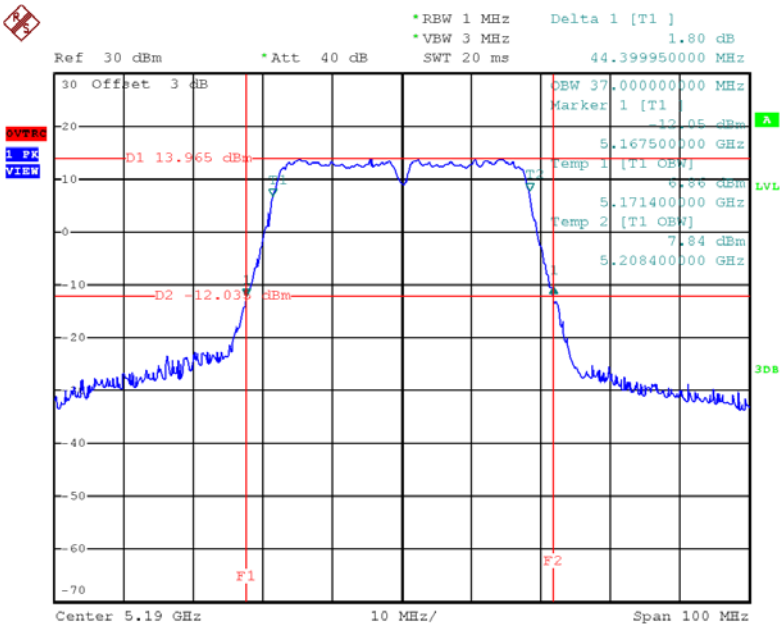
TX CH48



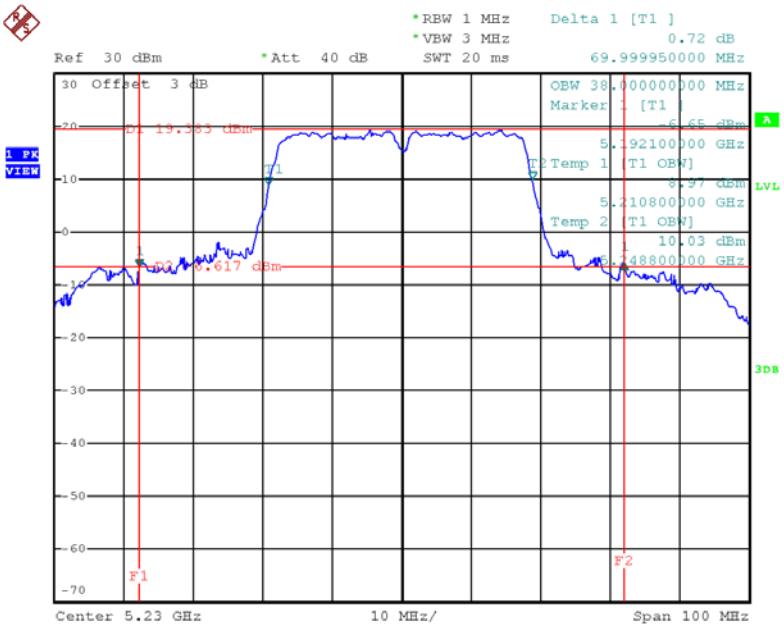
Test Mode: UNII-1/TX AC40 Mode_CH38/CH46

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH38	5190	44.40	37.00
CH46	5230	70.00	38.00

TX CH38



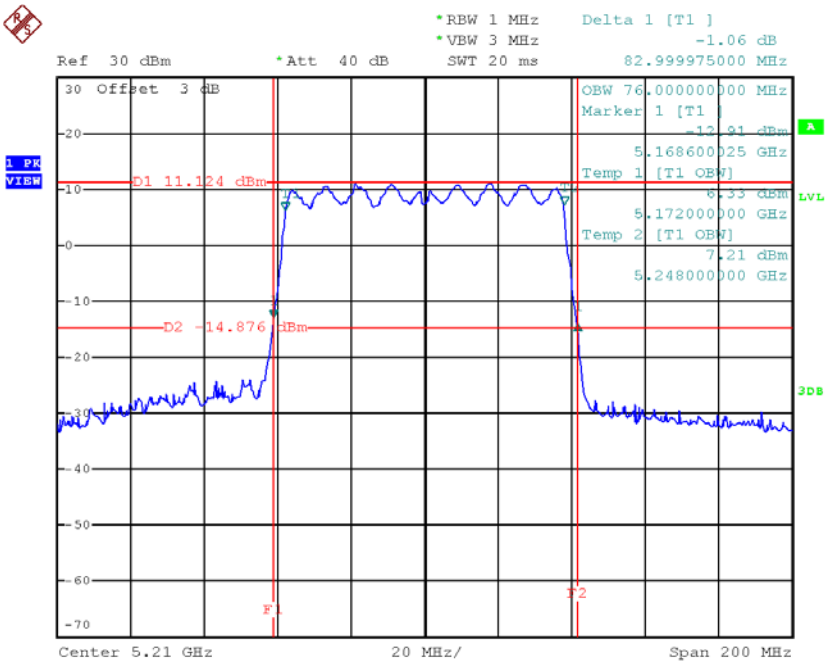
TX CH46



Test Mode: UNII-1/TX AC80 Mode_CH42

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH42	5210	83.00	76.00

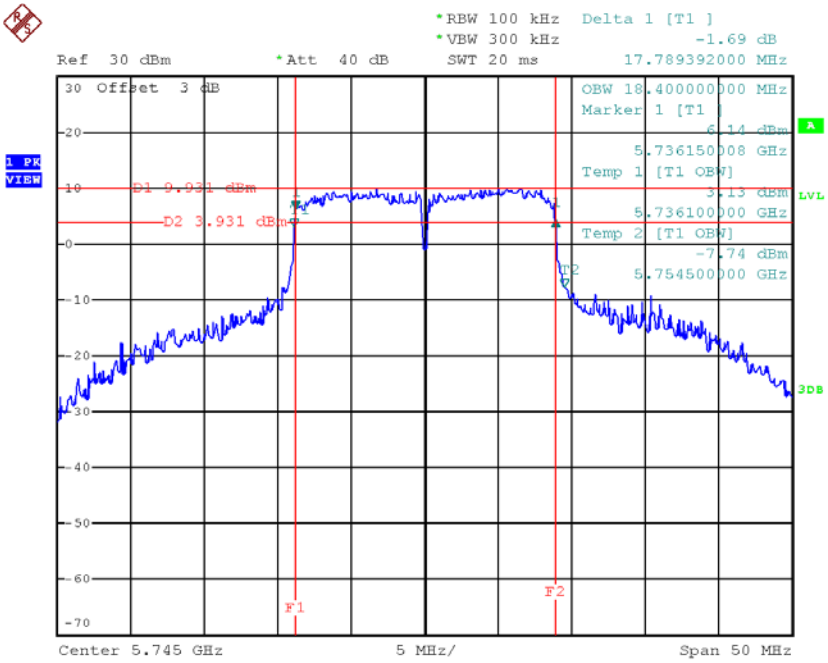
TX CH42



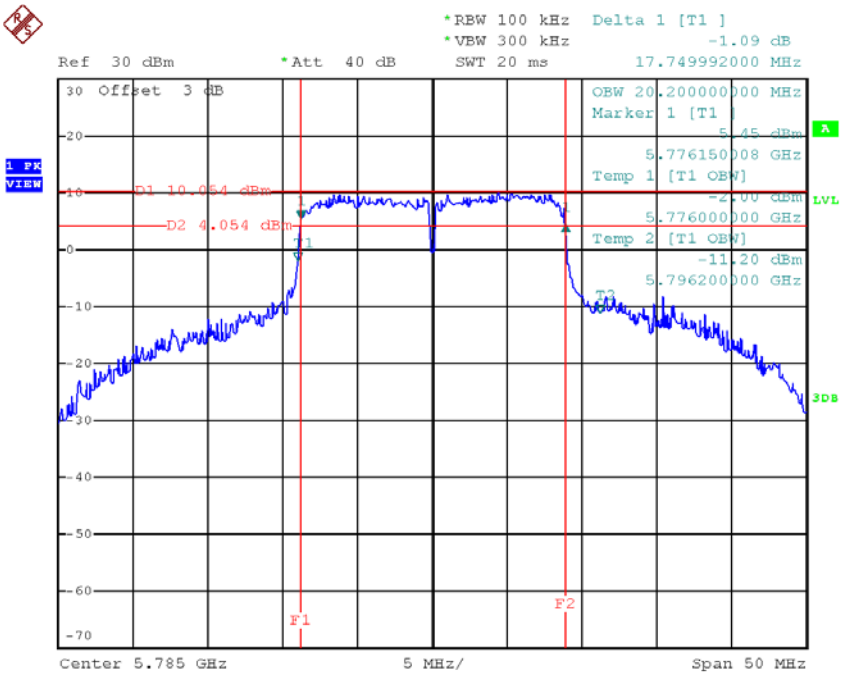
Test Mode: UNII-3/ TX AC20 Mode_CH149/CH157/CH165

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	17.79	18.40	>=500
CH157	5785	17.75	20.20	>=500
CH165	5825	17.75	23.00	>=500

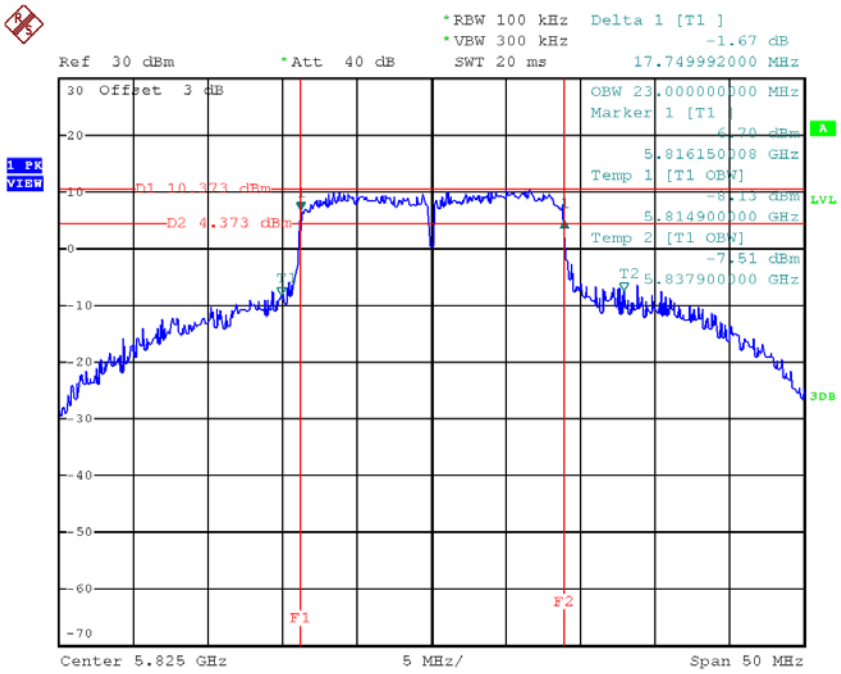
TX CH 149



TX CH 157



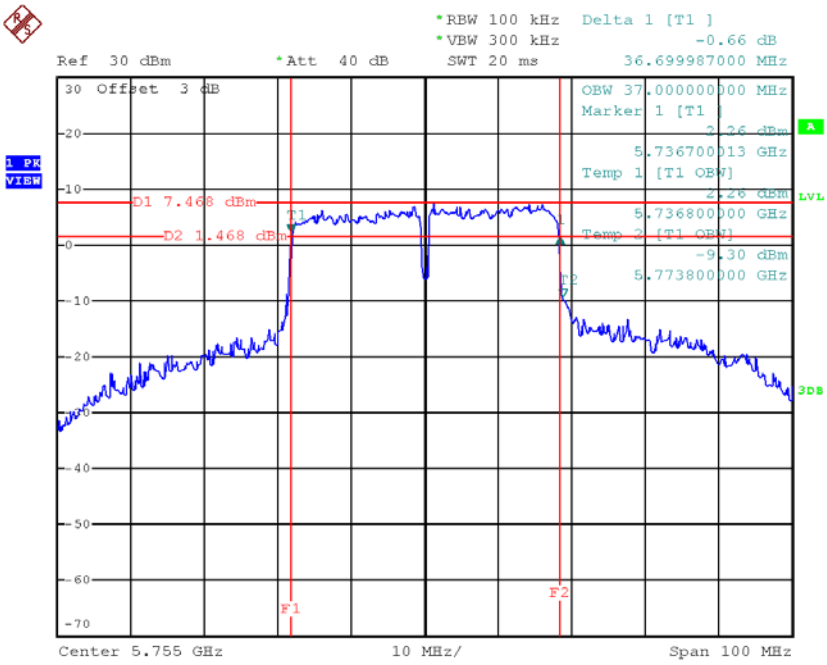
TX CH 165



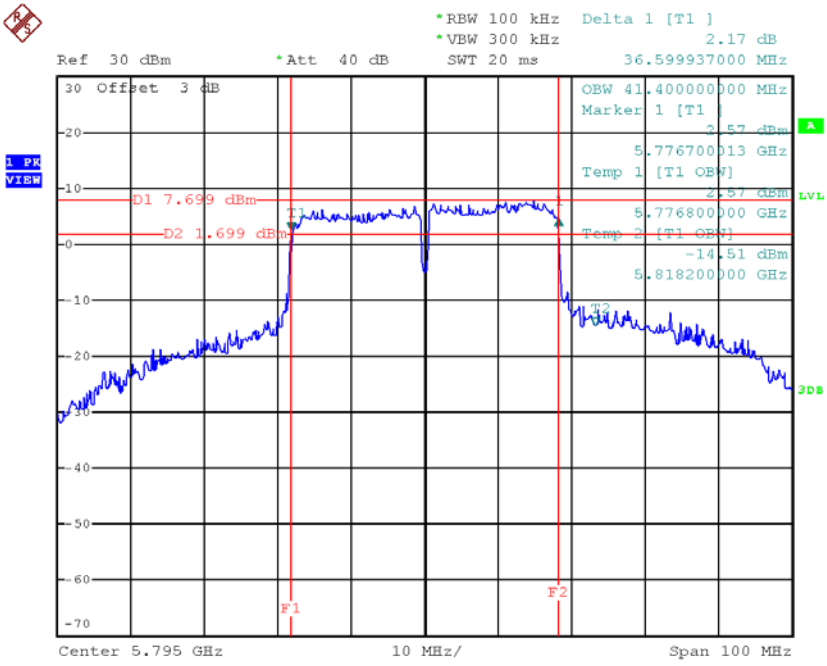
Test Mode: UNII-3/ TX AC40 Mode_CH151/CH159

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH151	5755	36.70	37.00	>=500
CH159	5795	36.60	41.40	>=500

TX CH 151



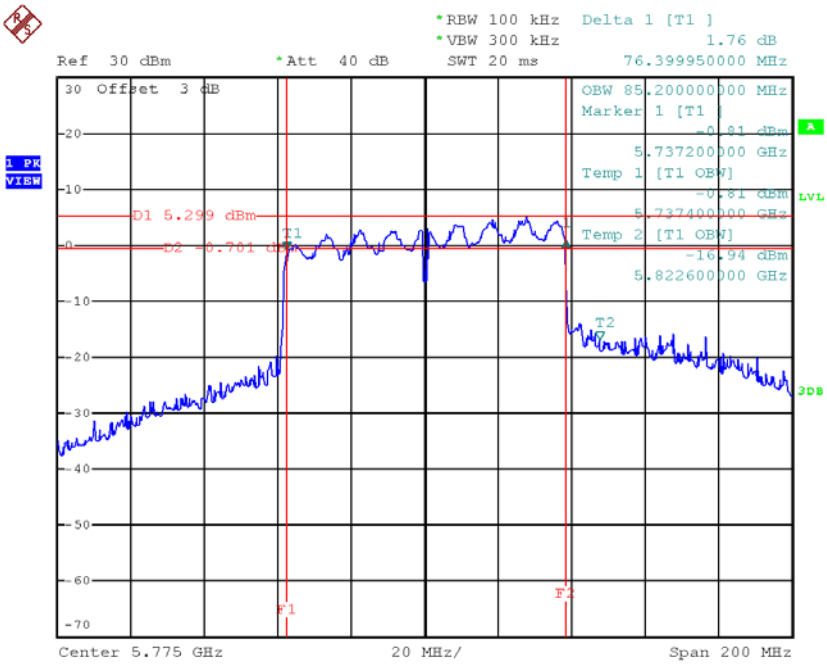
TX CH 159



Test Mode: UNII-3/ TX AC80 Mode_CH155

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH155	5775	76.40	85.20	>=500

TX CH 155

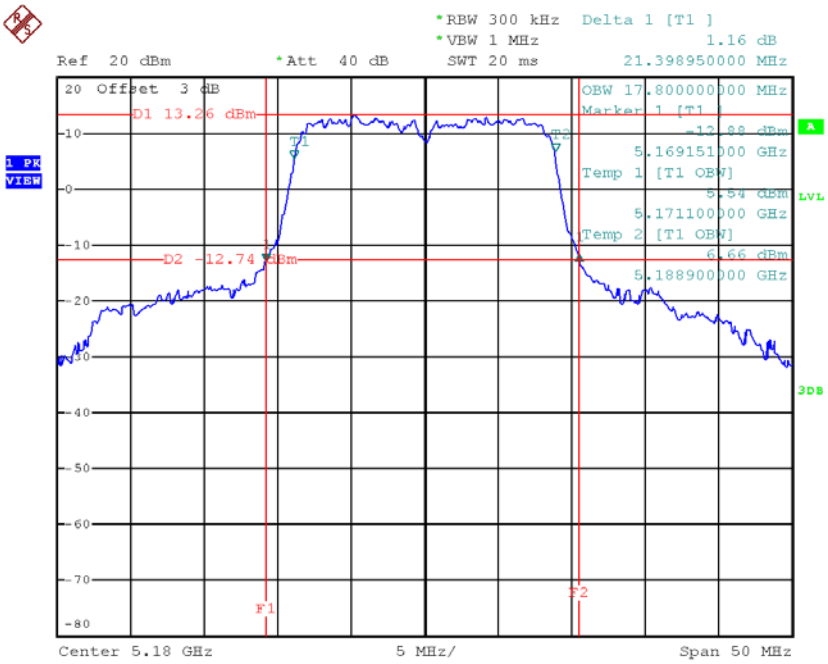


With Beamforming

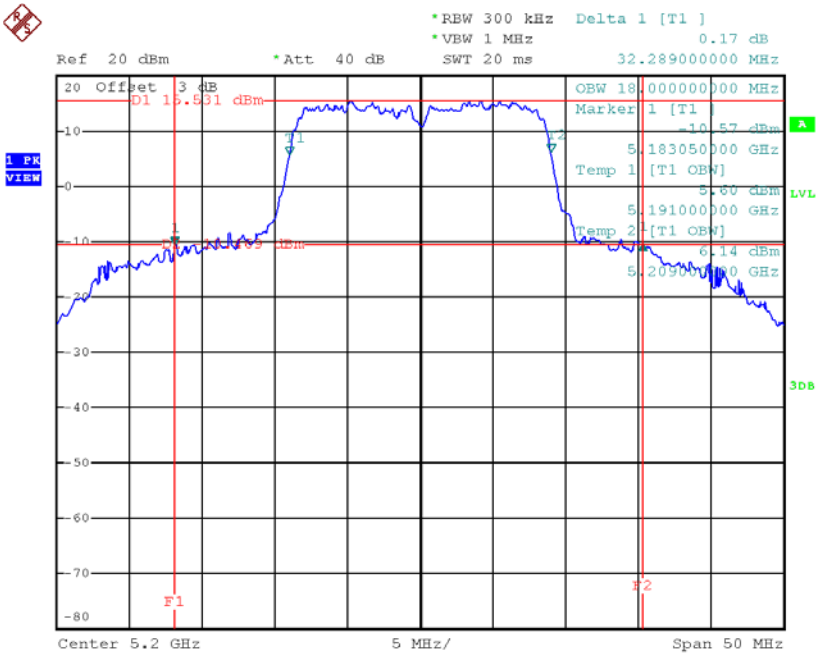
Test Mode: UNII-1/TX N20 Mode_CH36/CH40/CH48

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	21.40	17.80
CH40	5200	32.29	18.00
CH48	5240	29.90	18.00

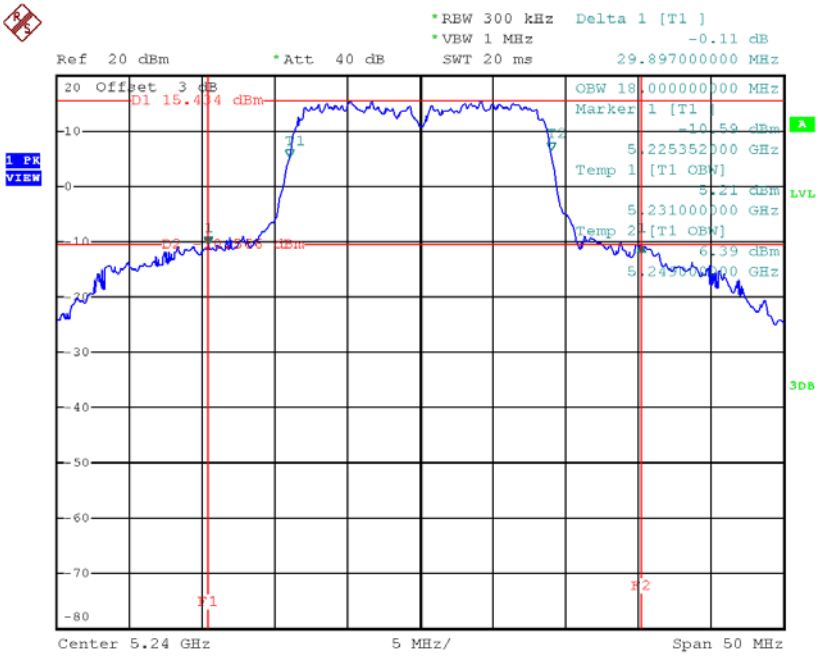
TX CH36



TX CH40

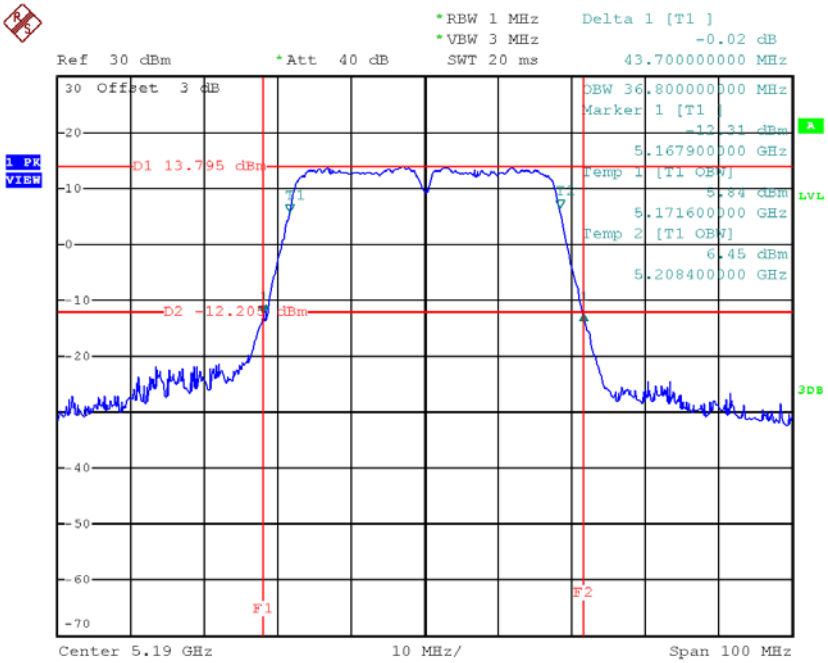


TX CH48

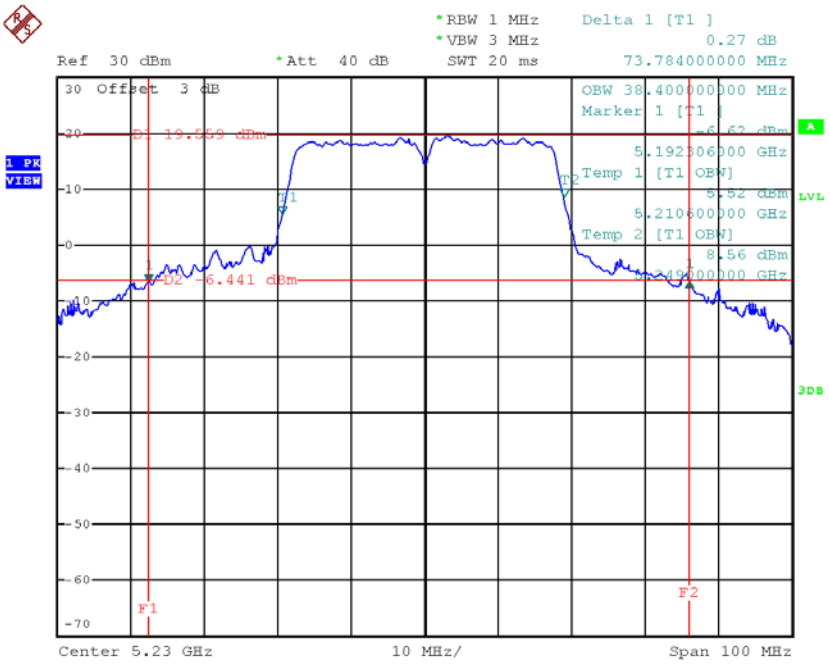


Test Mode: UNII-1/TX N40 Mode_CH38/CH46			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH38	5190	43.70	36.80
CH46	5230	73.78	38.40

TX CH38



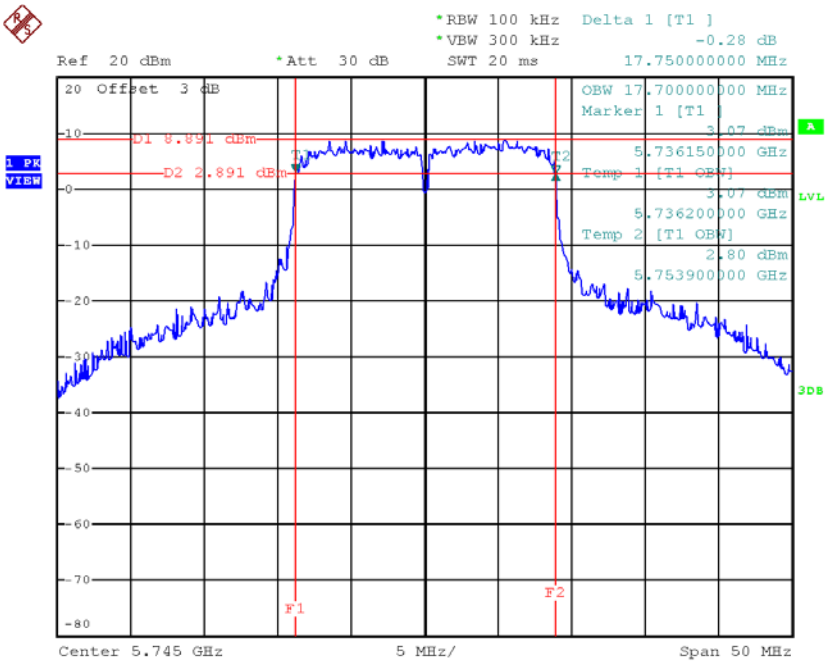
TX CH46



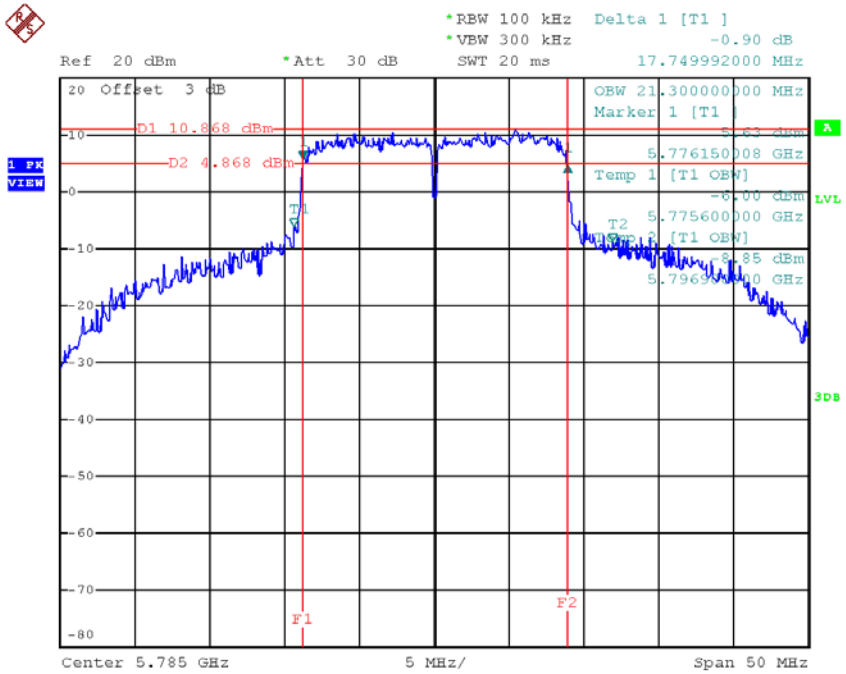
Test Mode: UNII-3/ TX N20 Mode_CH149/CH157/CH165

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	17.75	17.70	>=500
CH157	5785	17.75	21.30	>=500
CH165	5825	17.75	24.40	>=500

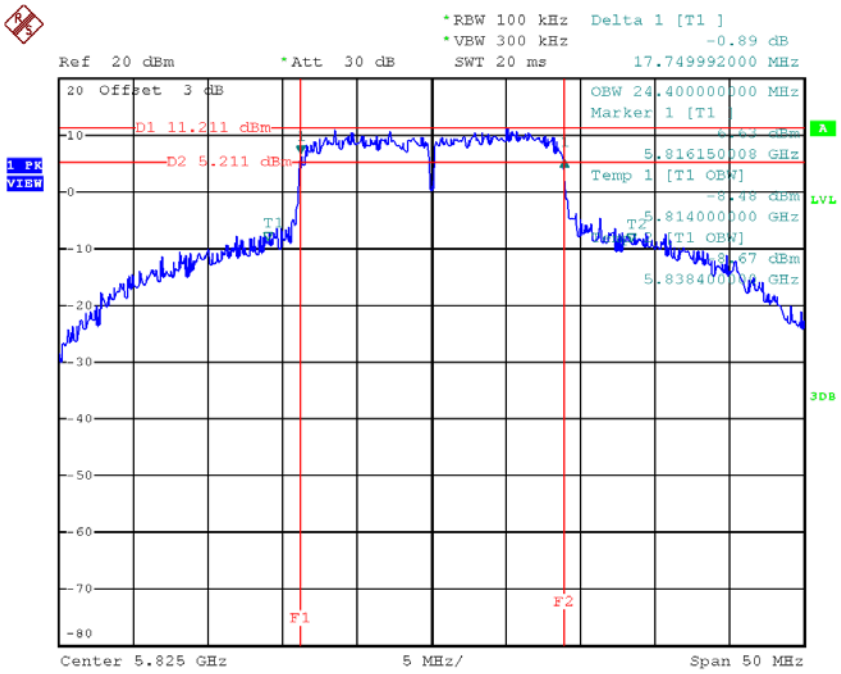
TX CH 149



TX CH 157



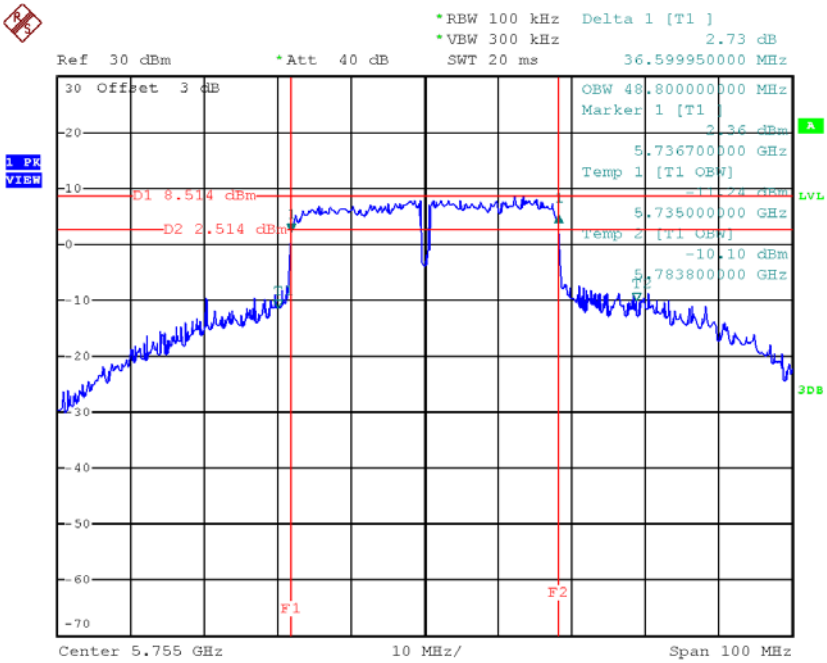
TX CH 165



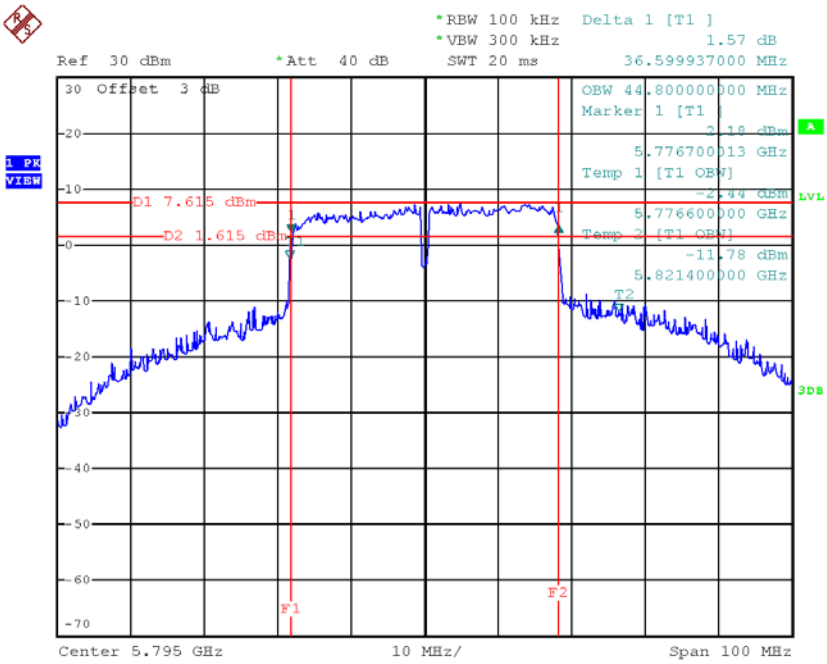
Test Mode: UNII-3/ TX N40 Mode_CH151/CH159

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH151	5755	36.60	48.80	>=500
CH159	5795	36.60	44.80	>=500

TX CH 151

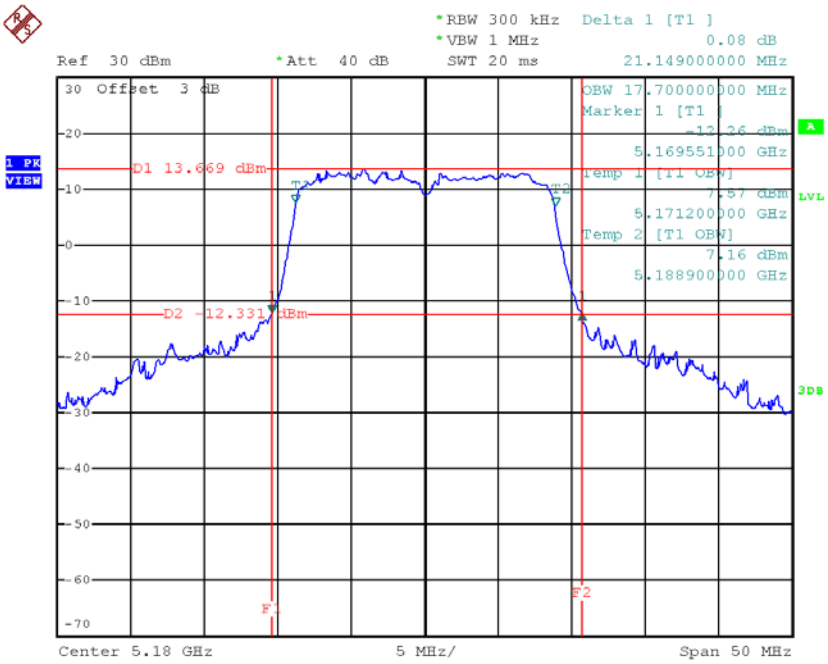


TX CH 159

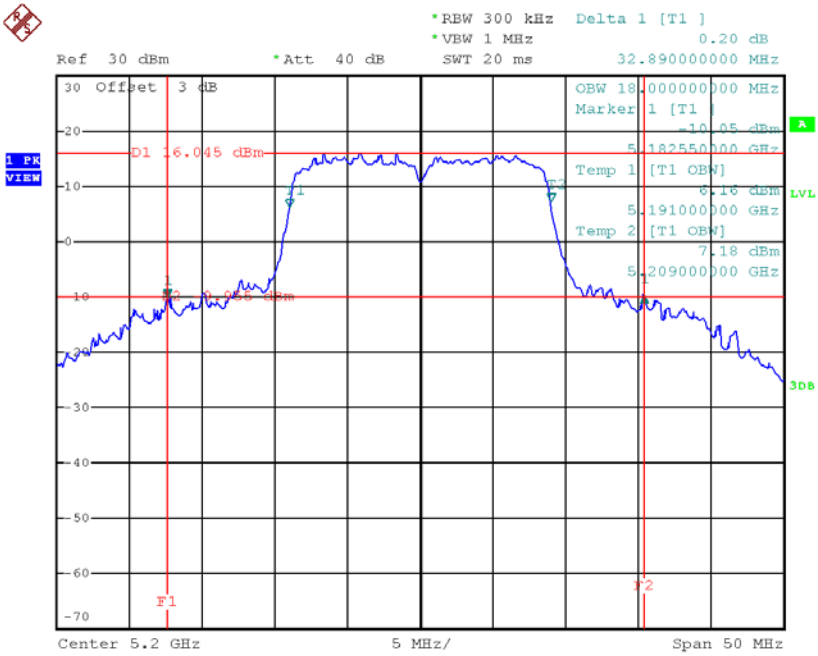


Test Mode: UNII-1/TX AC20 Mode_CH36/CH40/CH48			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	21.15	17.70
CH40	5200	32.89	18.00
CH48	5240	25.95	18.00

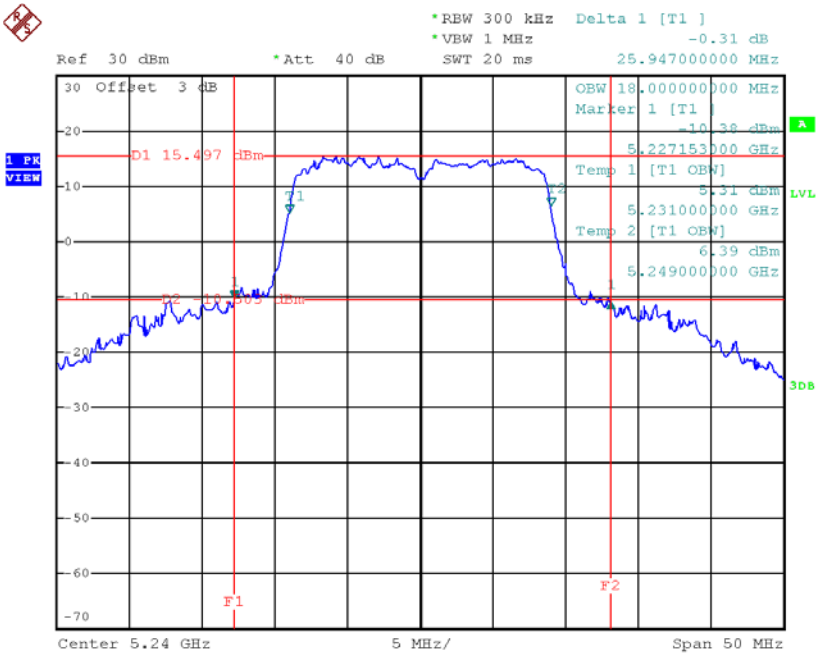
TX CH36



TX CH40



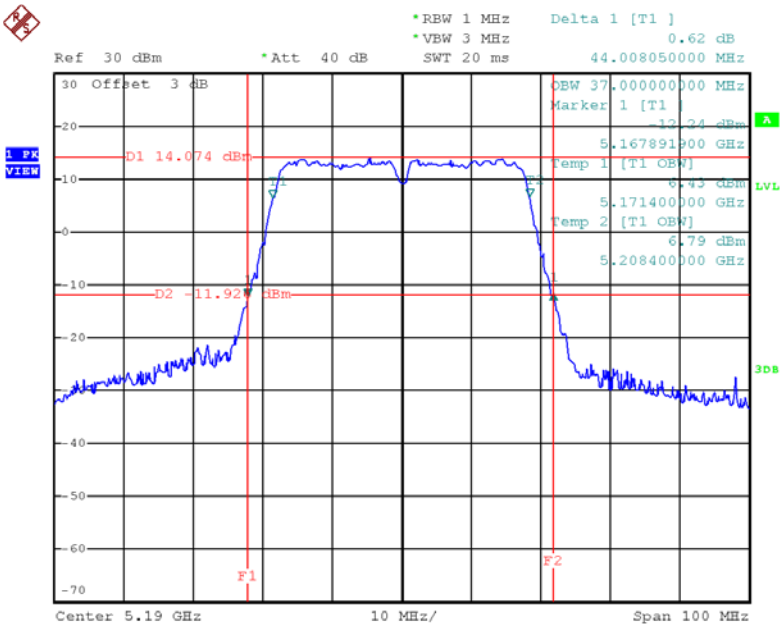
TX CH48



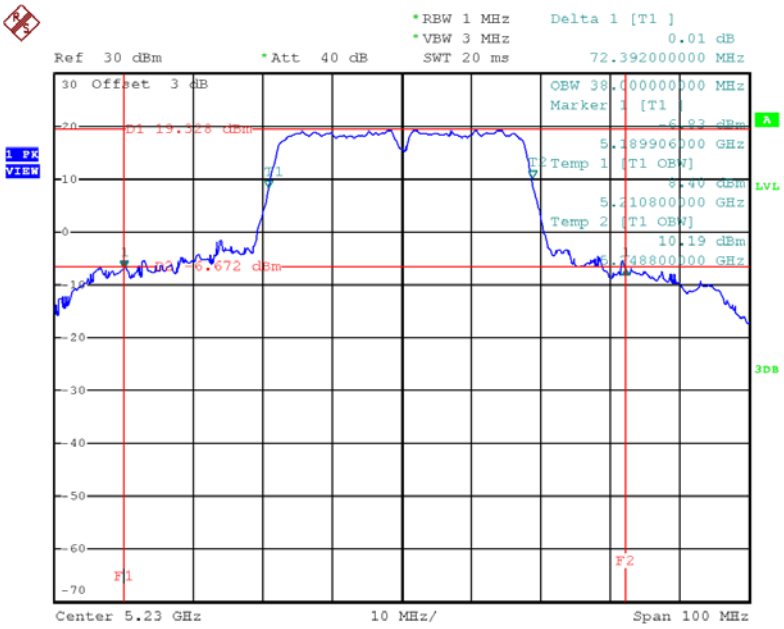
Test Mode: UNII-1/TX AC40 Mode_CH38/CH46

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH38	5190	44.01	37.00
CH46	5230	72.39	38.00

TX CH38



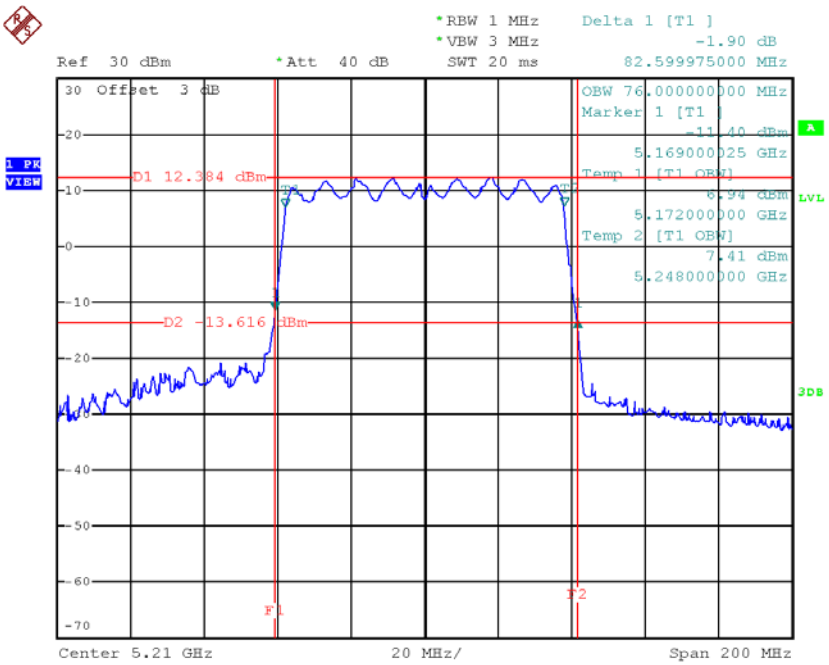
TX CH46



Test Mode: UNII-1/TX AC80 Mode_CH42

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH42	5210	82.60	76.00

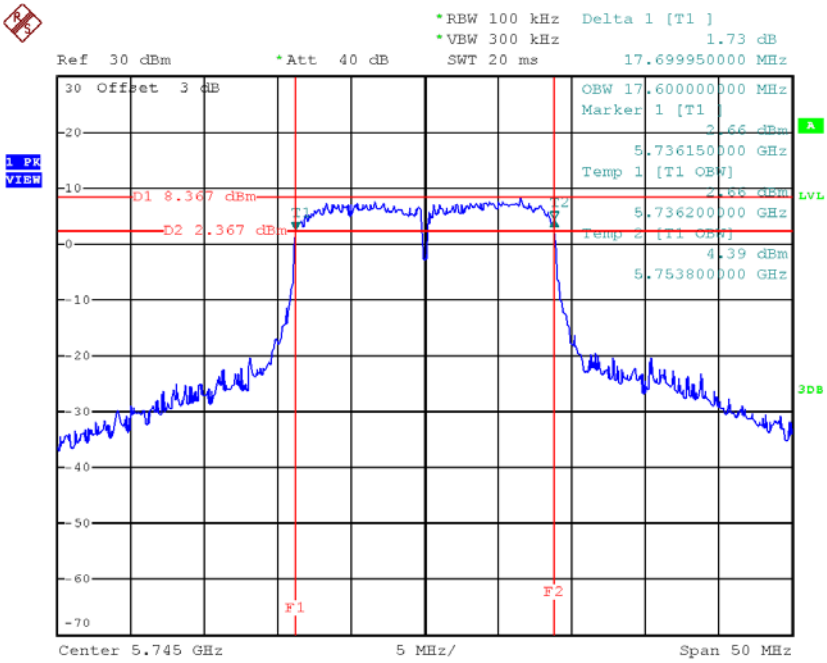
TX CH42



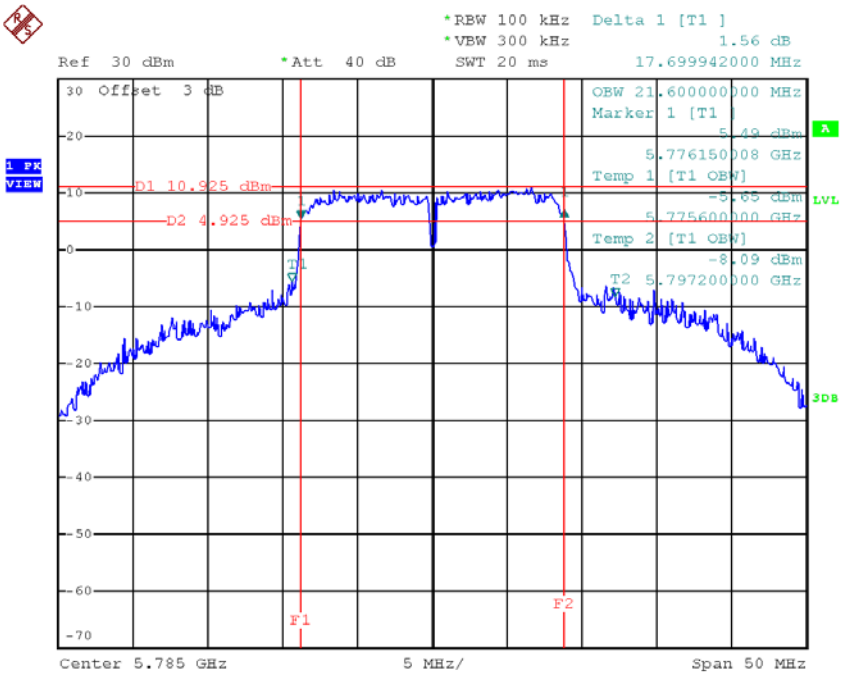
Test Mode: UNII-3/ TX AC20 Mode_CH149/CH157/CH165

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	17.70	17.60	>=500
CH157	5785	17.70	21.60	>=500
CH165	5825	17.70	25.30	>=500

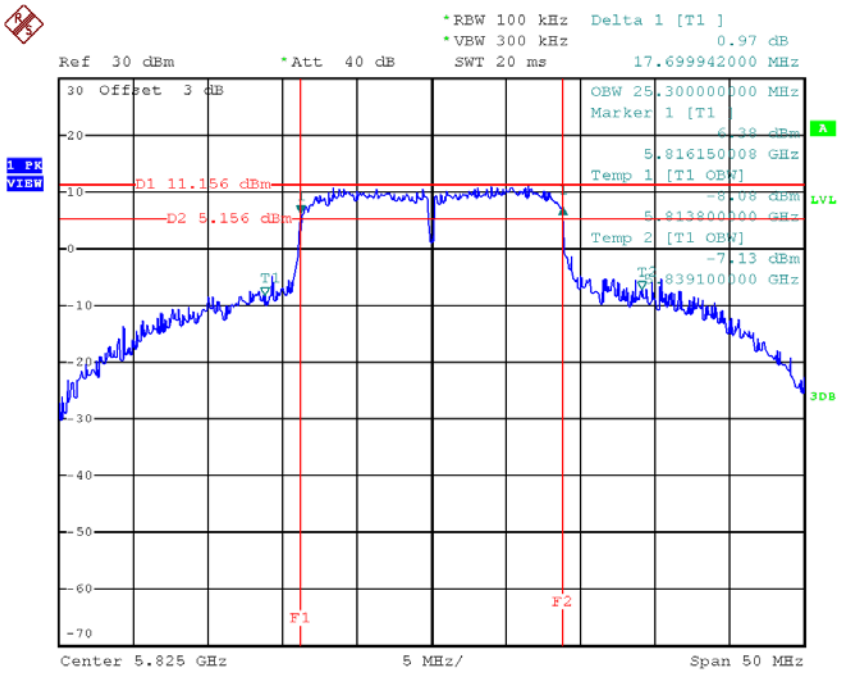
TX CH 149



TX CH 157



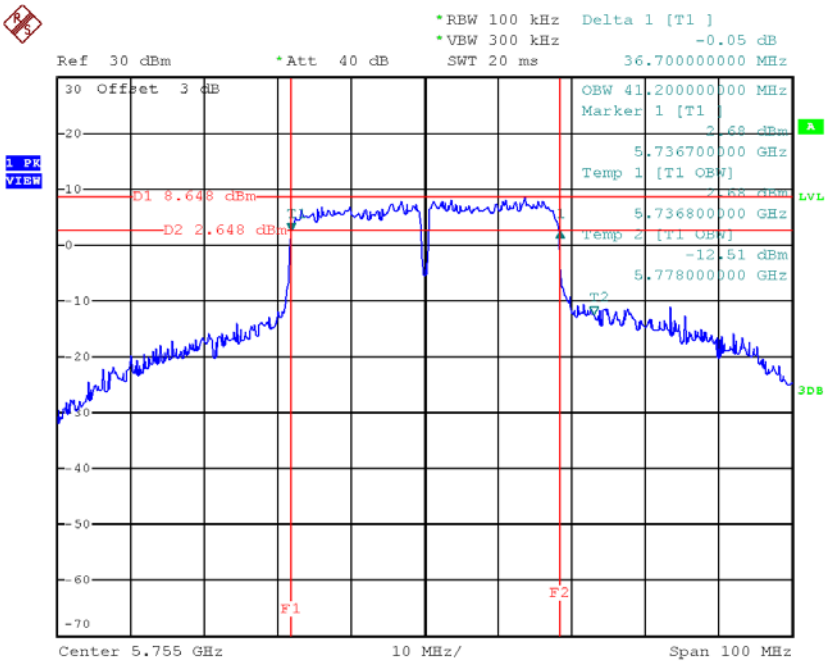
TX CH 165



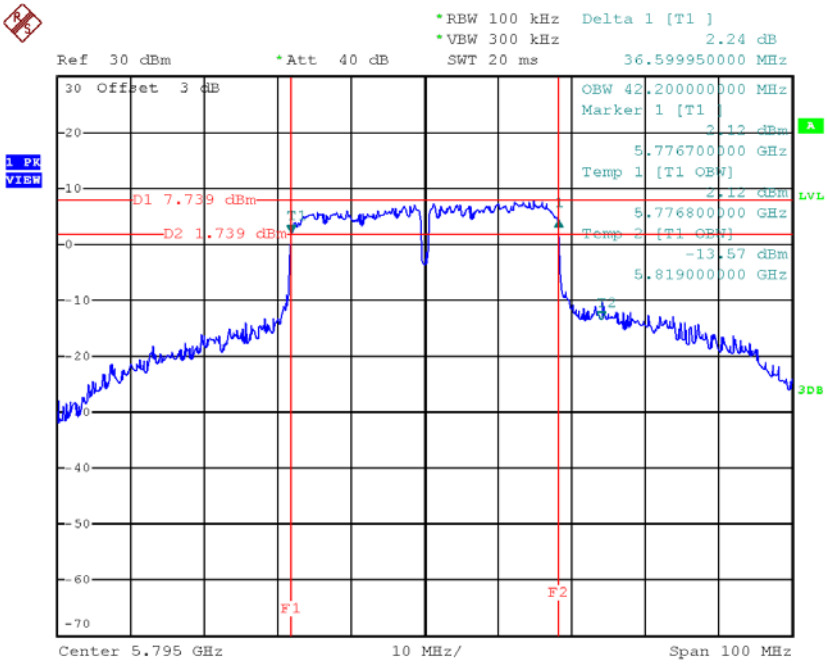
Test Mode: UNII-3/ TX AC40 Mode_CH151/CH159

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH151	5755	36.70	41.20	>=500
CH159	5795	36.60	42.20	>=500

TX CH 151



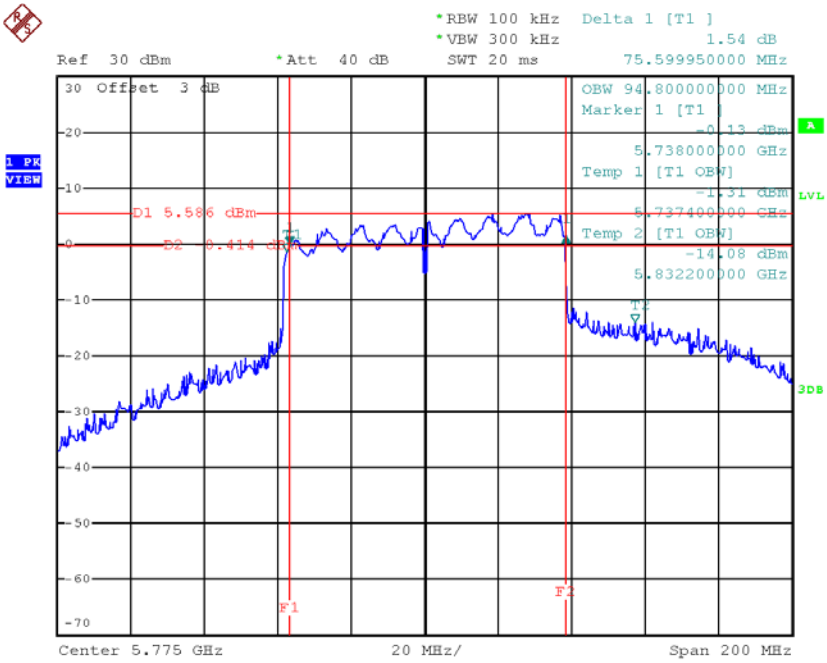
TX CH 159



Test Mode: UNII-3/ TX AC80 Mode_CH155

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH155	5775	75.60	94.80	>=500

TX CH 155



APPENDIX F - MAXIMUM OUTPUT POWER

Non Beamforming

Test Mode: UNII-1/TX A Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	24.36	0.00	24.36	30.00	1.00
CH40	5200	26.35	0.00	26.35	30.00	1.00
CH48	5240	26.41	0.00	26.41	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	22.53	0.00	22.53	27.99	0.63
CH40	5200	24.58	0.00	24.58	27.99	0.63
CH48	5240	24.87	0.00	24.87	27.99	0.63

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	23.13	0.00	23.13	27.99	0.63
CH40	5200	24.23	0.00	24.23	27.99	0.63
CH48	5240	24.09	0.00	24.09	27.99	0.63

Test Mode: UNII-1/TX N20 Mode _Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	25.85	27.99	0.63
CH40	5200	27.42	27.99	0.63
CH48	5240	27.51	27.99	0.63

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	19.53	0.00	19.53	27.99	0.63
CH46	5230	24.63	0.00	24.63	27.99	0.63

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	18.72	0.00	18.72	27.99	0.63
CH46	5230	24.42	0.00	24.42	27.99	0.63

Test Mode: UNII-1/TX N40 Mode _Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	22.15	27.99	0.63
CH46	5230	27.54	27.99	0.63

Test Mode: UNII-3/ TX A Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	27.53	0.00	27.53	30.00	1.00
CH157	5785	27.35	0.00	27.35	30.00	1.00
CH165	5825	27.44	0.00	27.44	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	22.34	0.00	22.34	27.99	0.63
CH157	5785	24.75	0.00	24.75	27.99	0.63
CH165	5825	24.27	0.00	24.27	27.99	0.63

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	21.83	0.00	21.83	27.99	0.63
CH157	5785	24.78	0.00	24.78	27.99	0.63
CH165	5825	25.03	0.00	25.03	27.99	0.63

Test Mode: UNII-3/TX N20 Mode_Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	25.10	27.99	0.63
CH157	5785	27.78	27.99	0.63
CH165	5825	27.68	27.99	0.63

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	24.33	0.00	24.33	27.99	0.63
CH159	5795	24.35	0.00	24.35	27.99	0.63

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	24.33	0.00	24.33	27.99	0.63
CH159	5795	24.12	0.00	24.12	27.99	0.63

Test Mode: UNII-3/ TX N40 Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	27.34	27.99	0.63
CH159	5795	27.25	27.99	0.63

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	23.25	0.00	23.25	27.99	0.63
CH40	5200	24.37	0.00	24.37	27.99	0.63
CH48	5240	24.58	0.00	24.58	27.99	0.63

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	23.53	0.00	23.53	27.99	0.63
CH40	5200	24.21	0.00	24.21	27.99	0.63
CH48	5240	24.09	0.00	24.09	27.99	0.63

Test Mode: UNII-1/TX AC20 Mode _Total

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	26.40	27.99	0.63
CH40	5200	27.30	27.99	0.63
CH48	5240	27.35	27.99	0.63

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	20.06	0.00	20.06	27.99	0.63
CH46	5230	24.22	0.00	24.22	27.99	0.63

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	19.85	0.00	19.85	27.99	0.63
CH46	5230	24.59	0.00	24.59	27.99	0.63

Test Mode: UNII-1/TX AC40 Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	22.97	27.99	0.63
CH46	5230	27.42	27.99	0.63

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	19.01	0.00	19.01	27.99	0.63

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	18.02	0.00	18.02	27.99	0.63

Test Mode: UNII-1/TX AC80 Mode_Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH42	5210	21.55	27.99	0.63

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	22.51	0.00	22.51	27.99	0.63
CH157	5785	24.35	0.00	24.35	27.99	0.63
CH165	5825	24.35	0.00	24.35	27.99	0.63

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	22.35	0.00	22.35	27.99	0.63
CH157	5785	24.53	0.00	24.53	27.99	0.63
CH165	5825	24.43	0.00	24.43	27.99	0.63

Test Mode: UNII-3/TX AC20 Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	25.44	27.99	0.63
CH157	5785	27.45	27.99	0.63
CH165	5825	27.40	27.99	0.63

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	24.57	0.00	24.57	27.99	0.63
CH159	5795	24.35	0.00	24.35	27.99	0.63

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	24.78	0.00	24.78	27.99	0.63
CH159	5795	24.21	0.00	24.21	27.99	0.63

Test Mode: UNII-3/TX AC40 Mode_Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	27.69	27.99	0.63
CH159	5795	27.29	27.99	0.63

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	23.53	0.00	23.53	27.99	0.63

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	24.08	0.00	24.08	27.99	0.63

Test Mode: UNII-3/TX AC80 Mode_Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH155	5775	26.82	27.99	0.63

With Beamforming

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	22.53	0.00	22.53	28.00	0.63
CH40	5200	24.36	0.00	24.36	28.00	0.63
CH48	5240	24.56	0.00	24.56	28.00	0.63

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	22.98	0.00	22.98	28.00	0.63
CH40	5200	24.06	0.00	24.06	28.00	0.63
CH48	5240	23.95	0.00	23.95	28.00	0.63

Test Mode: UNII-1/TX N20 Mode _Total

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	25.77	28.00	0.63
CH40	5200	27.22	28.00	0.63
CH48	5240	27.28	28.00	0.63

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	19.26	0.00	19.26	28.00	0.63
CH46	5230	24.41	0.00	24.41	28.00	0.63

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	18.45	0.00	18.45	28.00	0.63
CH46	5230	24.13	0.00	24.13	28.00	0.63

Test Mode: UNII-1/TX N40 Mode _Total

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	21.88	28.00	0.63
CH46	5230	27.28	28.00	0.63

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	21.95	0.00	21.95	28.00	0.63
CH157	5785	24.46	0.00	24.46	28.00	0.63
CH165	5825	23.96	0.00	23.96	28.00	0.63

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	21.62	0.00	21.62	28.00	0.63
CH157	5785	24.55	0.00	24.55	28.00	0.63
CH165	5825	24.78	0.00	24.78	28.00	0.63

Test Mode: UNII-3/TX N20 Mode_Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	24.80	28.00	0.63
CH157	5785	27.52	28.00	0.63
CH165	5825	27.40	28.00	0.63

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	24.14	0.00	24.14	28.00	0.63
CH159	5795	24.22	0.00	24.22	28.00	0.63

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	24.01	0.00	24.01	28.00	0.63
CH159	5795	23.75	0.00	23.75	28.00	0.63

Test Mode: UNII-3/ TX N40 Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	27.09	28.00	0.63
CH159	5795	27.00	28.00	0.63

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	23.08	0.00	23.08	28.00	0.63
CH40	5200	24.18	0.00	24.18	28.00	0.63
CH48	5240	24.37	0.00	24.37	28.00	0.63

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	23.12	0.00	23.12	28.00	0.63
CH40	5200	23.76	0.00	23.76	28.00	0.63
CH48	5240	23.62	0.00	23.62	28.00	0.63

Test Mode: UNII-1/TX AC20 Mode _Total

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	26.11	28.00	0.63
CH40	5200	26.99	28.00	0.63
CH48	5240	27.02	28.00	0.63

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	19.77	0.00	19.77	28.00	0.63
CH46	5230	23.89	0.00	23.89	28.00	0.63

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	19.62	0.00	19.62	28.00	0.63
CH46	5230	24.46	0.00	24.46	28.00	0.63

Test Mode: UNII-1/TX AC40 Mode_Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	22.71	28.00	0.63
CH46	5230	27.19	28.00	0.63

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	18.56	0.00	18.56	28.00	0.63

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	17.65	0.00	17.65	28.00	0.63

Test Mode: UNII-1/TX AC80 Mode_Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH42	5210	21.14	28.00	0.63

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	22.28	0.00	22.28	28.00	0.63
CH157	5785	24.13	0.00	24.13	28.00	0.63
CH165	5825	24.08	0.00	24.08	28.00	0.63

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	21.82	0.00	21.82	28.00	0.63
CH157	5785	24.19	0.00	24.19	28.00	0.63
CH165	5825	24.15	0.00	24.15	28.00	0.63

Test Mode: UNII-3/TX AC20 Mode_Total

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	25.07	28.00	0.63
CH157	5785	27.17	28.00	0.63
CH165	5825	27.13	28.00	0.63

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	24.23	0.00	24.23	28.00	0.63
CH159	5795	23.94	0.00	23.94	28.00	0.63

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	24.51	0.00	24.51	28.00	0.63
CH159	5795	23.82	0.00	23.82	28.00	0.63

Test Mode: UNII-3/TX AC40 Mode_Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	27.38	28.00	0.63
CH159	5795	26.89	28.00	0.63

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	23.04	0.00	23.04	28.00	0.63

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	23.69	0.00	23.69	28.00	0.63

Test Mode: UNII-3/TX AC80 Mode_Total				
Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)
CH155	5775	26.39	28.00	0.63

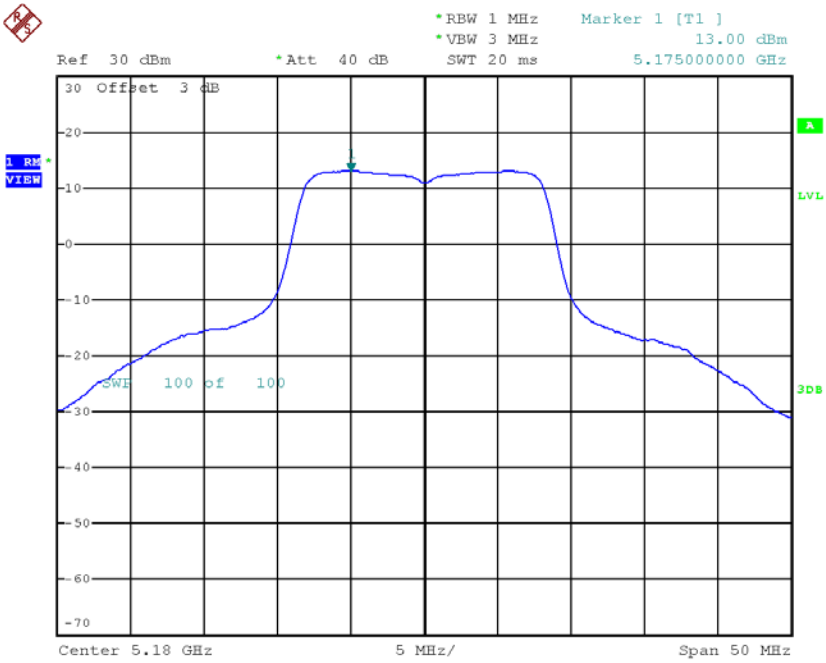
APPENDIX G - POWER SPECTRAL DENSITY

Non Beamforming

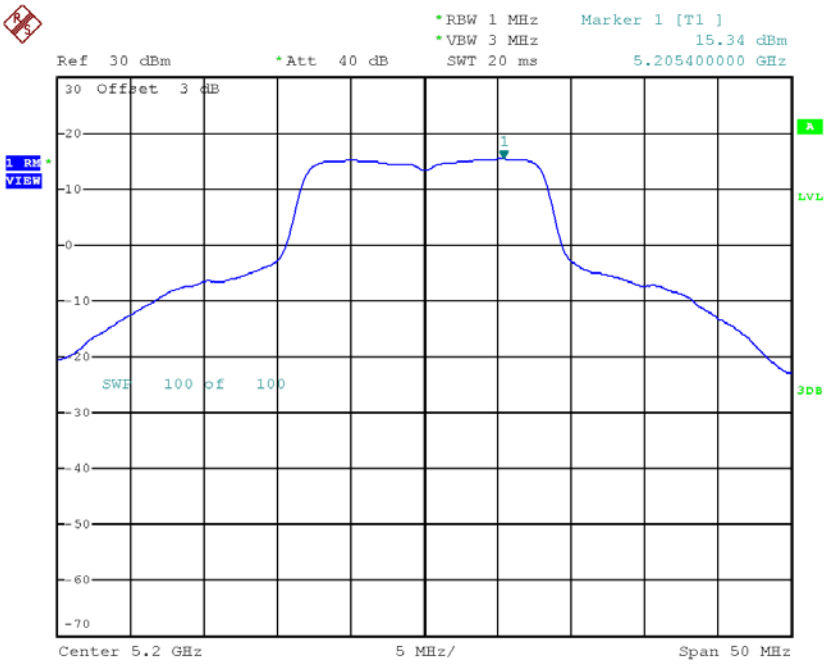
Test Mode: UNII-1/ TX A Mode_CH36/CH40/CH48

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	13.00	0.00	13.00	17.00
CH40	5200	15.34	0.00	15.34	17.00
CH48	5240	15.77	0.00	15.77	17.00

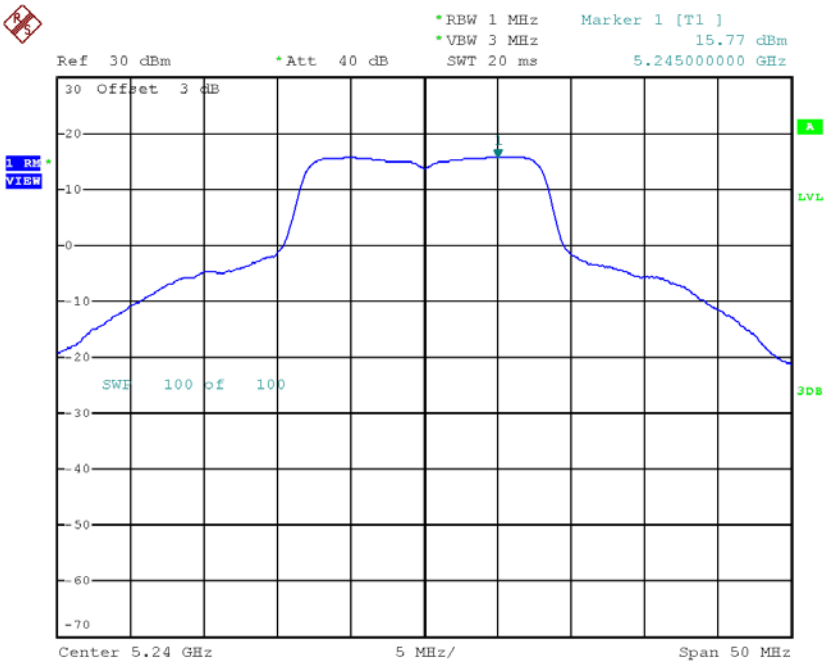
CH36



CH40


*RBW 1 MHz
*VBW 3 MHz
SWT 20 ms
Marker 1 [T1]
15.34 dBm
5.205400000 GHz
Ref 30 dBm
*Att 40 dB
30 Offset 3 dB
1 RM VIEW
A
LVL
3DB
SWP 100 of 100
Center 5.2 GHz
5 MHz/
Span 50 MHz

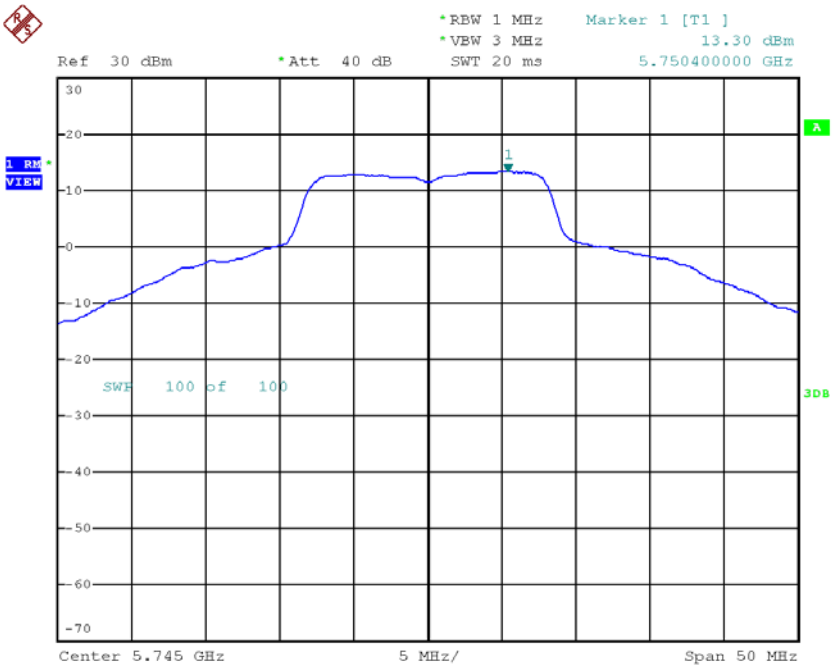
CH48


*RBW 1 MHz
*VBW 3 MHz
SWT 20 ms
Marker 1 [T1]
15.77 dBm
5.245000000 GHz
Ref 30 dBm
*Att 40 dB
30 Offset 3 dB
1 RM VIEW
A
LVL
3DB
SWP 100 of 100
Center 5.24 GHz
5 MHz/
Span 50 MHz

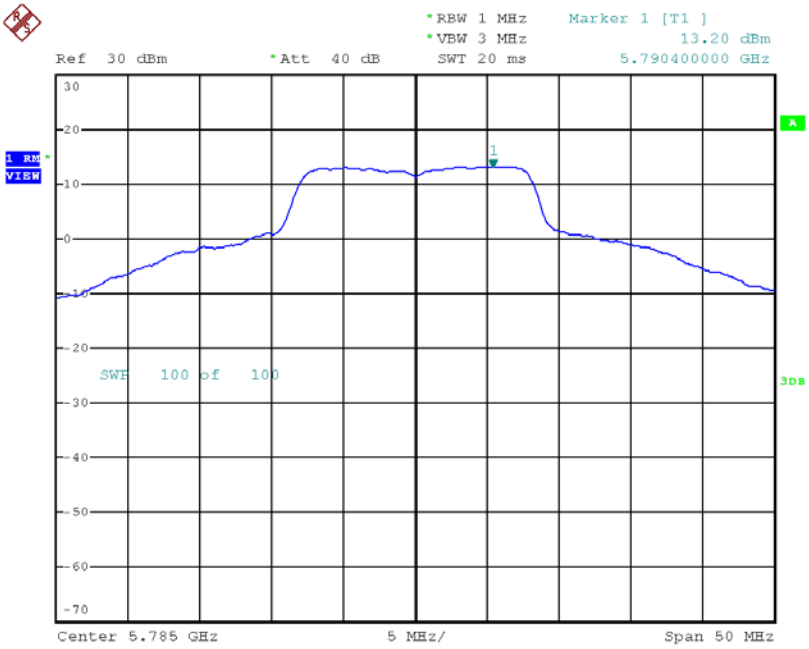
Test Mode: UNII-3/TX A Mode_CH149/CH157/CH165

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	13.30	0.00	13.30	30.00
CH157	5785	13.20	0.00	13.20	30.00
CH165	5825	13.01	0.00	13.01	30.00

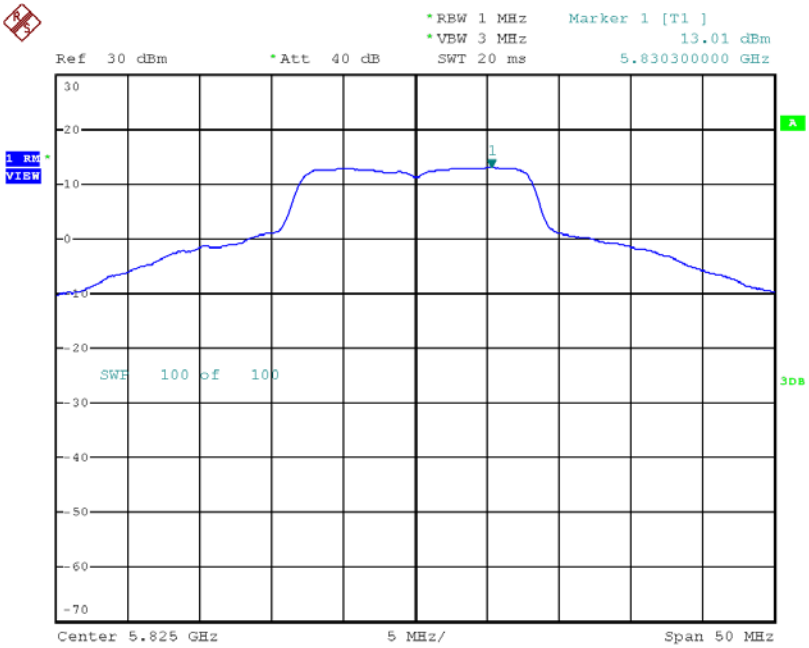
TX CH149



TX CH157



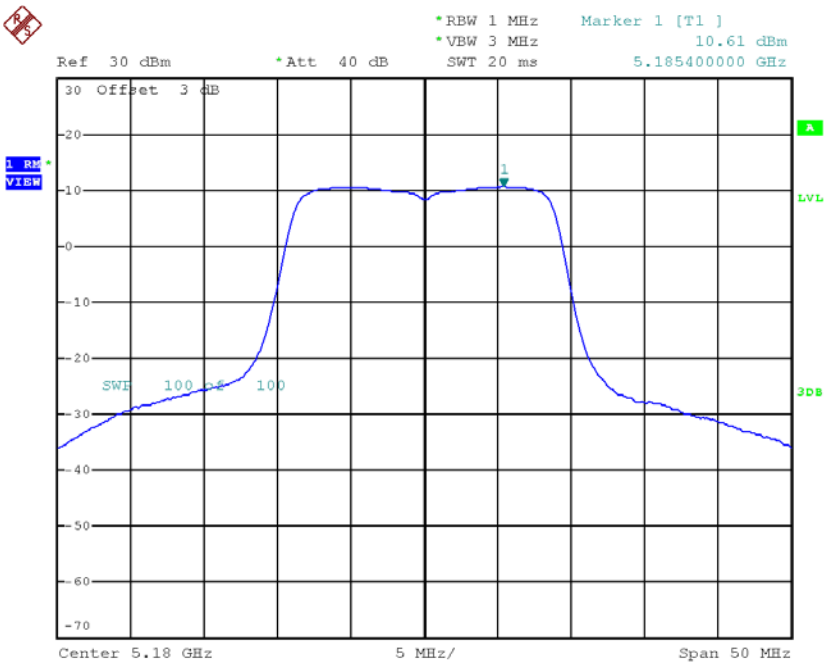
TX CH165



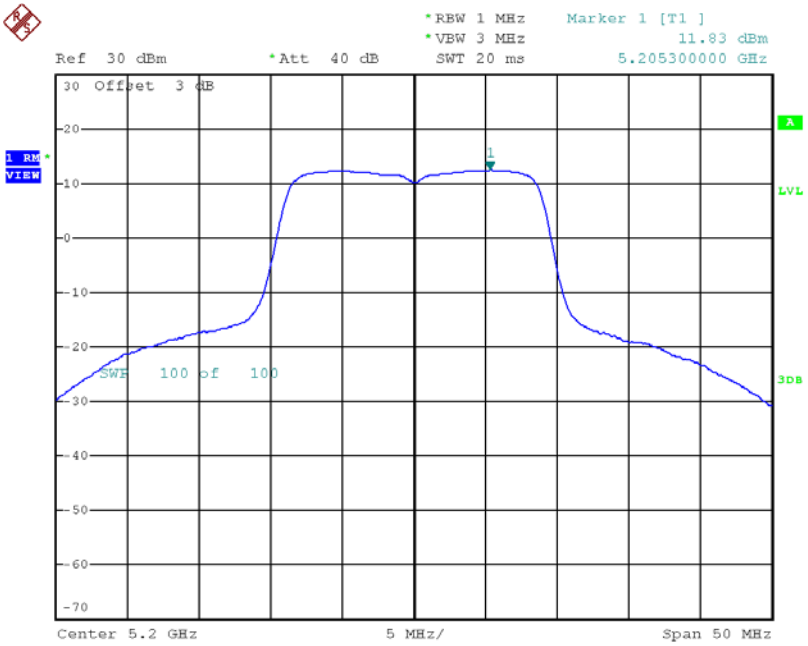
Test Mode: UNII-1/TX N20 Mode_CH36/CH40/CH48_ANT 1

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	10.61	0.00	10.61	14.99
CH40	5200	11.83	0.00	11.83	14.99
CH48	5240	11.52	0.00	11.52	14.99

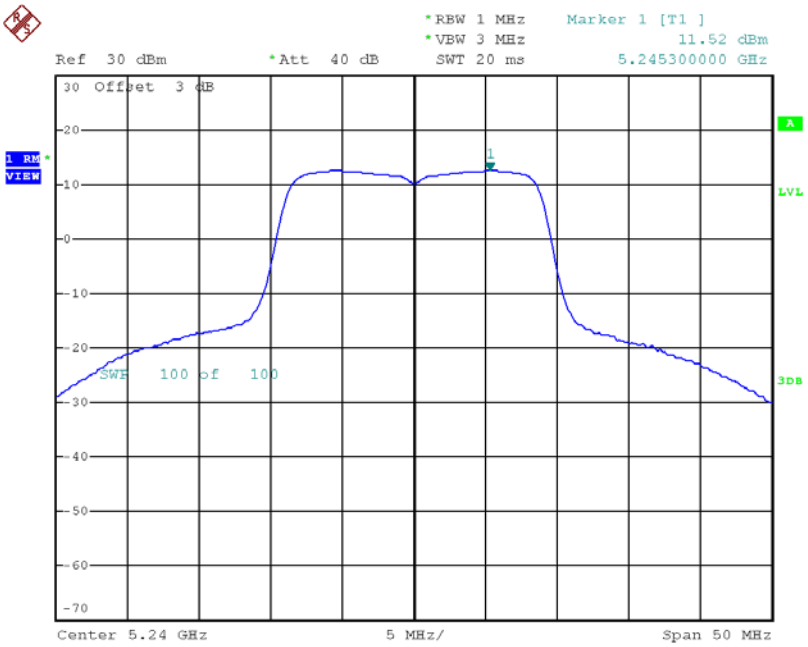
CH36



CH40


*RBW 1 MHz
*VBW 3 MHz
SWT 20 ms
Marker 1 [T1]
11.83 dBm
5.205300000 GHz
Ref 30 dBm
*Att 40 dB
30 Offset 3 dB
1 RM
VIEW
A
LVL
3DB
SWP 100 of 100
Center 5.2 GHz
5 MHz/
Span 50 MHz

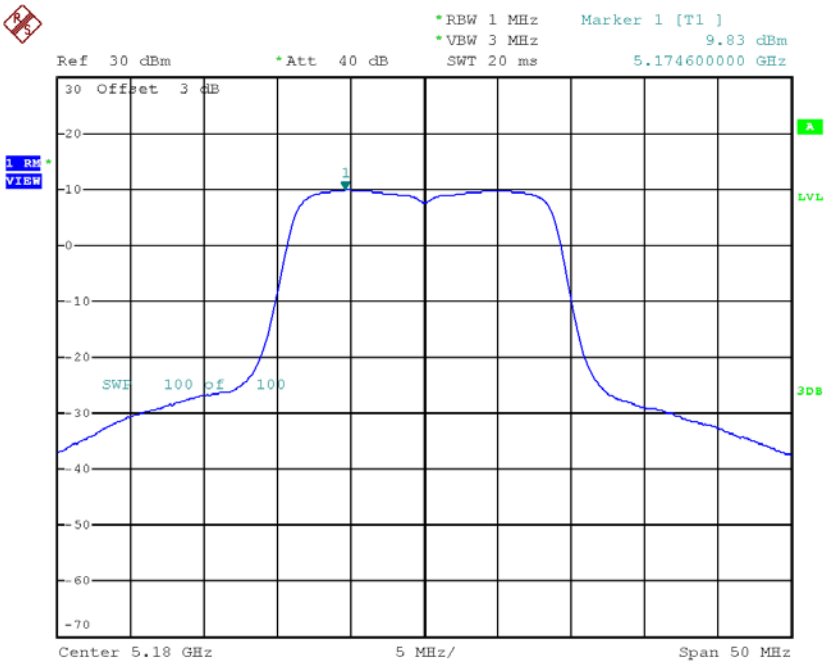
CH48


*RBW 1 MHz
*VBW 3 MHz
SWT 20 ms
Marker 1 [T1]
11.52 dBm
5.245300000 GHz
Ref 30 dBm
*Att 40 dB
30 Offset 3 dB
1 RM
VIEW
A
LVL
3DB
SWP 100 of 100
Center 5.24 GHz
5 MHz/
Span 50 MHz

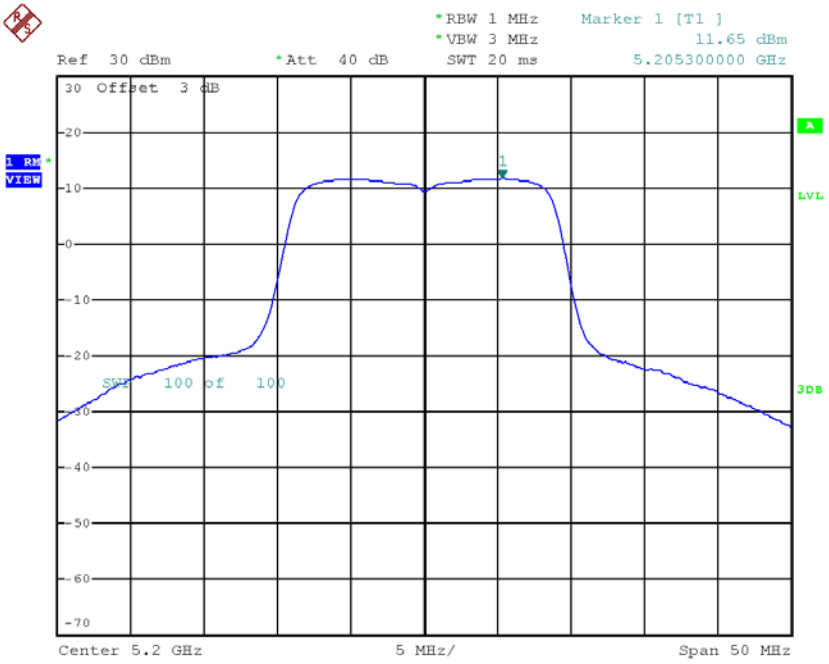
Test Mode: UNII-1/TX N20 Mode_CH36/CH40/CH48_ANT 2

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	9.83	0.00	9.83	14.99
CH40	5200	11.65	0.00	11.65	14.99
CH48	5240	11.34	0.00	11.34	14.99

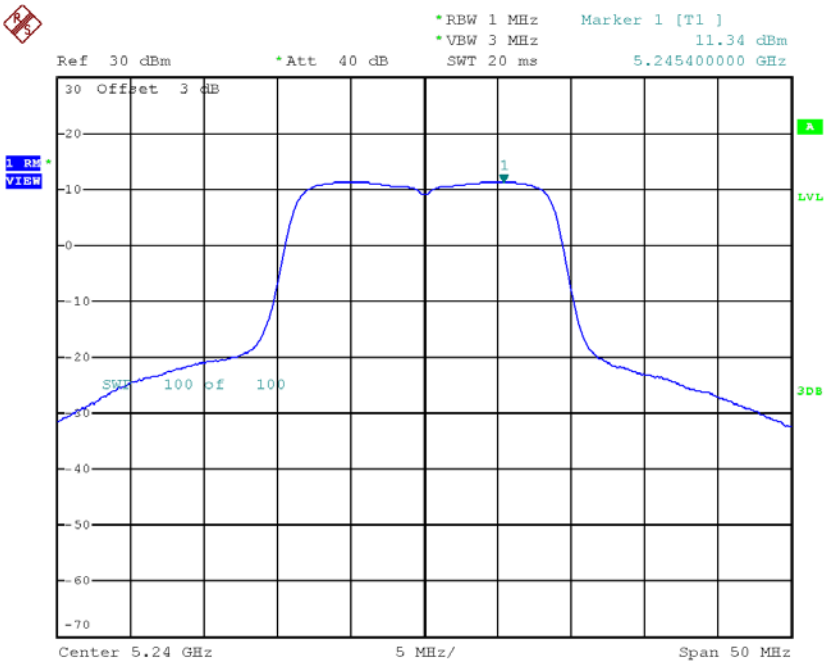
CH36



CH40


*RBW 1 MHz
*VBW 3 MHz
SWT 20 ms
Marker 1 [T1]
11.65 dBm
5.205300000 GHz
Ref 30 dBm
*Att 40 dB
30 Offset 3 dB
1 RM
VIEW
A
LVL
3DB
SWP 100 of 100
Center 5.2 GHz
5 MHz/
Span 50 MHz

CH48


*RBW 1 MHz
*VBW 3 MHz
SWT 20 ms
Marker 1 [T1]
11.34 dBm
5.245400000 GHz
Ref 30 dBm
*Att 40 dB
30 Offset 3 dB
1 RM
VIEW
A
LVL
3DB
SWP 100 of 100
Center 5.24 GHz
5 MHz/
Span 50 MHz

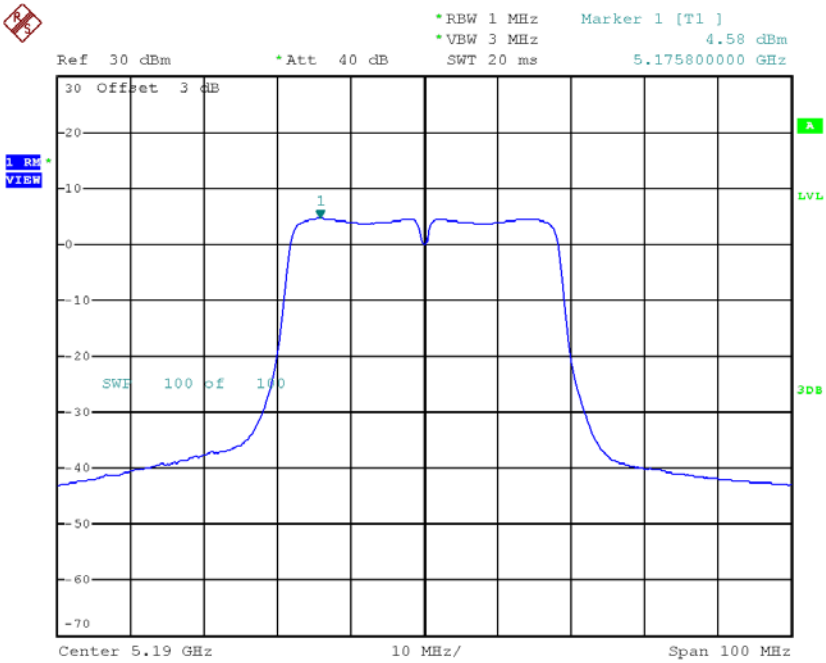
Test Mode: UNII-1/TX N20 Mode_CH36/CH40/CH48_Total

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	13.25	14.99
CH40	5200	14.75	14.99
CH48	5240	14.44	14.99

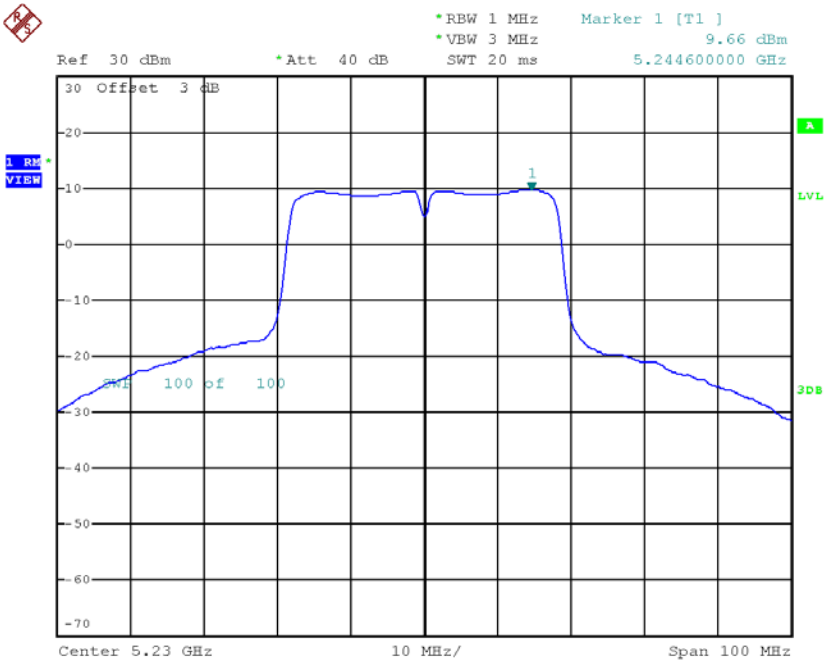
Test Mode: UNII-1/TX N40 Mode_CH38/CH46_ANT 1

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	4.58	0.00	4.58	14.99
CH46	5230	9.66	0.00	9.66	14.99

CH38


*RBW 1 MHz
*VBW 3 MHz
SWT 20 ms
Marker 1 [T1]
4.58 dBm
5.175800000 GHz
Ref 30 dBm
*Att 40 dB
30 Offset 3 dB
1 RM
VIEW
A
LVL
3DB
SWP 100 of 100
Center 5.19 GHz
10 MHz/
Span 100 MHz

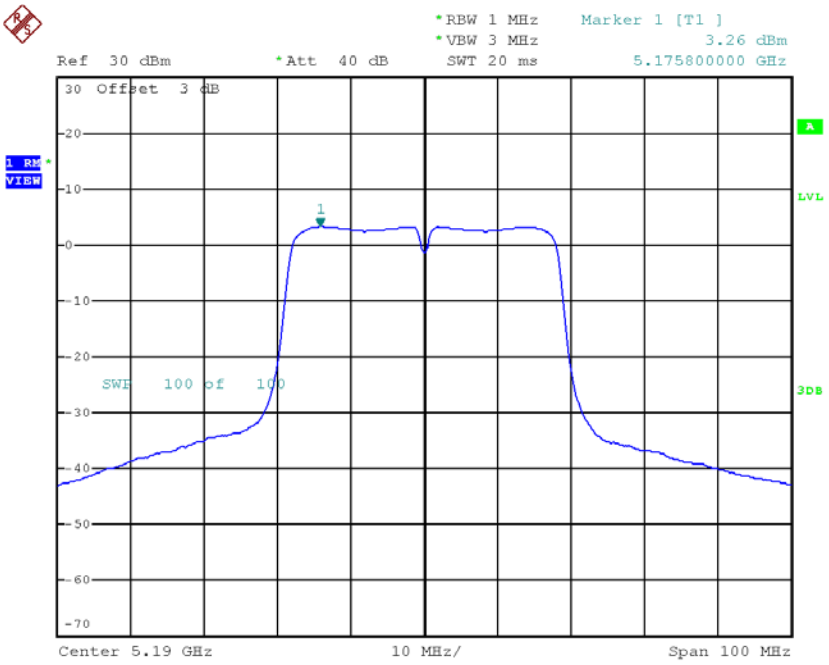
CH46


*RBW 1 MHz
*VBW 3 MHz
SWT 20 ms
Marker 1 [T1]
9.66 dBm
5.244600000 GHz
Ref 30 dBm
*Att 40 dB
30 Offset 3 dB
1 RM
VIEW
A
LVL
3DB
SWP 100 of 100
Center 5.23 GHz
10 MHz/
Span 100 MHz

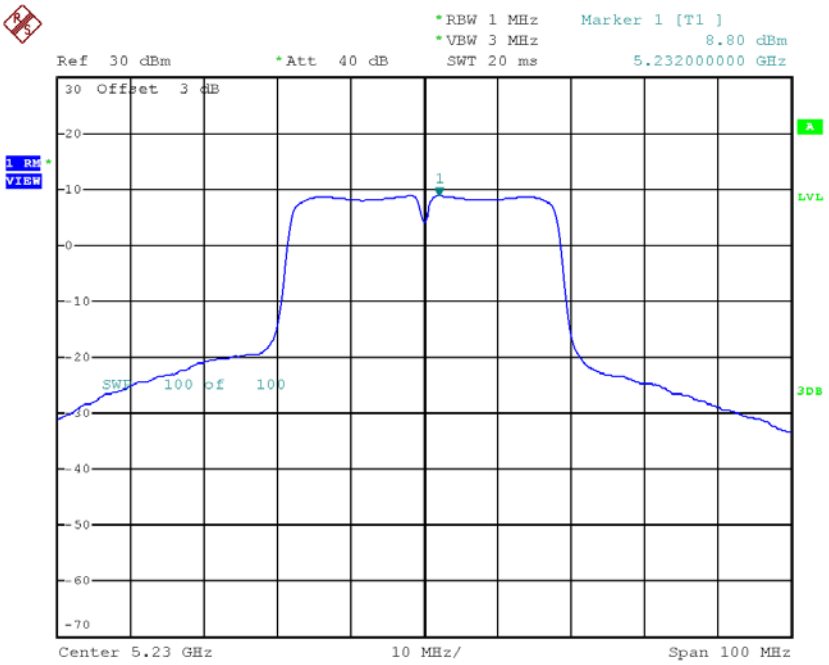
Test Mode: UNII-1/TX N40 Mode_CH38/CH46_ANT 2

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	3.26	0.00	3.26	14.99
CH46	5230	8.80	0.00	8.80	14.99

CH38


*RBW 1 MHz
*VBW 3 MHz
SWT 20 ms
Marker 1 [T1]
3.26 dBm
5.175800000 GHz
Ref 30 dBm
*Att 40 dB
30 Offset 3 dB
1 RM
VIEW
A
LVL
3DB
SWP 100 of 100
Center 5.19 GHz
10 MHz/
Span 100 MHz

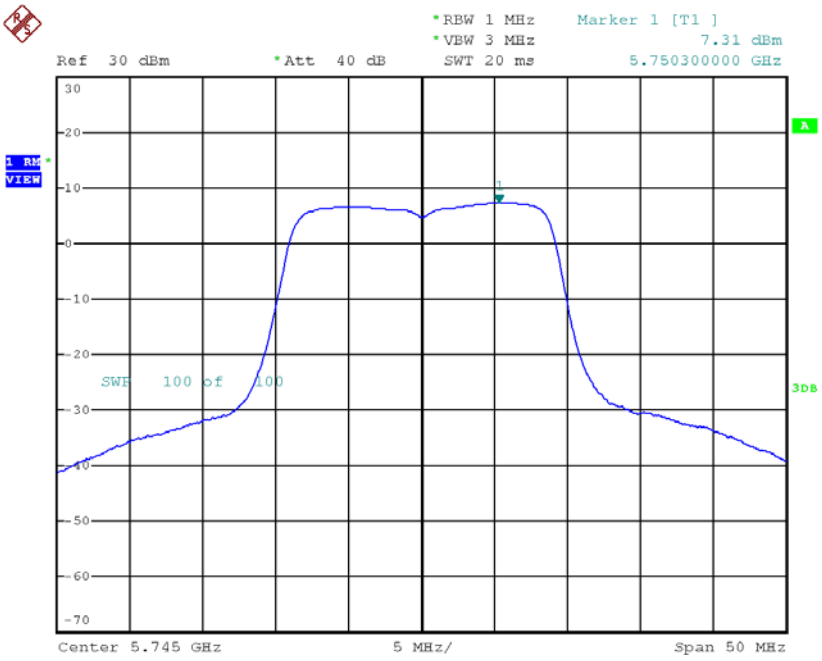
CH46


*RBW 1 MHz
*VBW 3 MHz
SWT 20 ms
Marker 1 [T1]
8.80 dBm
5.232000000 GHz
Ref 30 dBm
*Att 40 dB
30 Offset 3 dB
1 RM
VIEW
A
LVL
3DB
SWP 100 of 100
Center 5.23 GHz
10 MHz/
Span 100 MHz

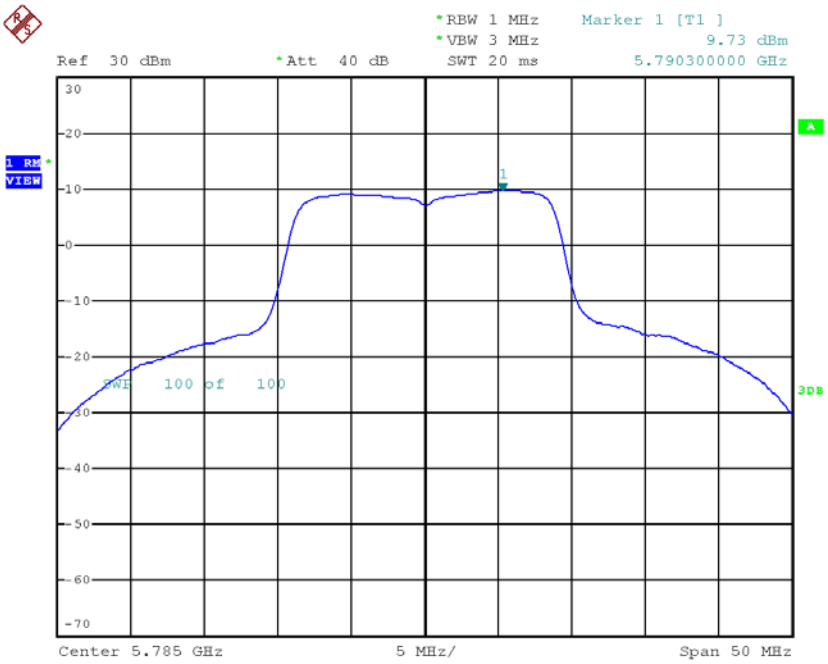
Test Mode: UNII-1/TX N40 Mode_CH38/CH46_Total			
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	6.98	14.99
CH46	5230	12.26	14.99

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	7.31	0.00	7.31	27.99
CH157	5785	9.73	0.00	9.73	27.99
CH165	5825	9.38	0.00	9.38	27.99

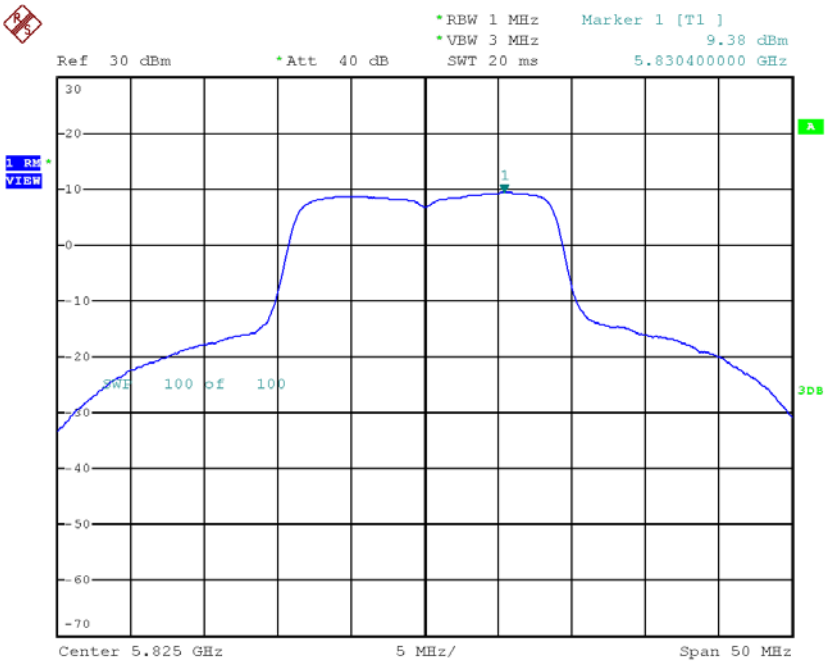
TX CH149



TX CH157



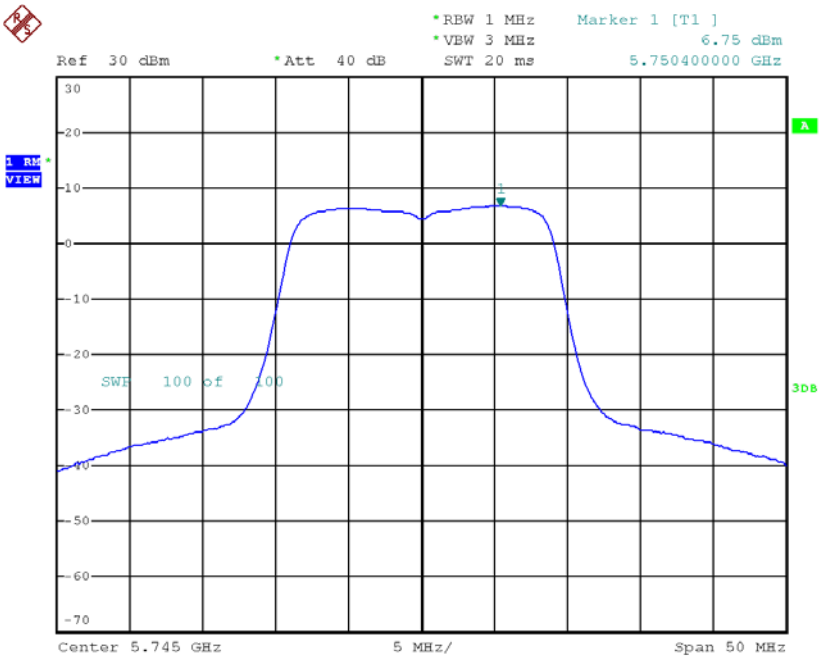
TX CH165



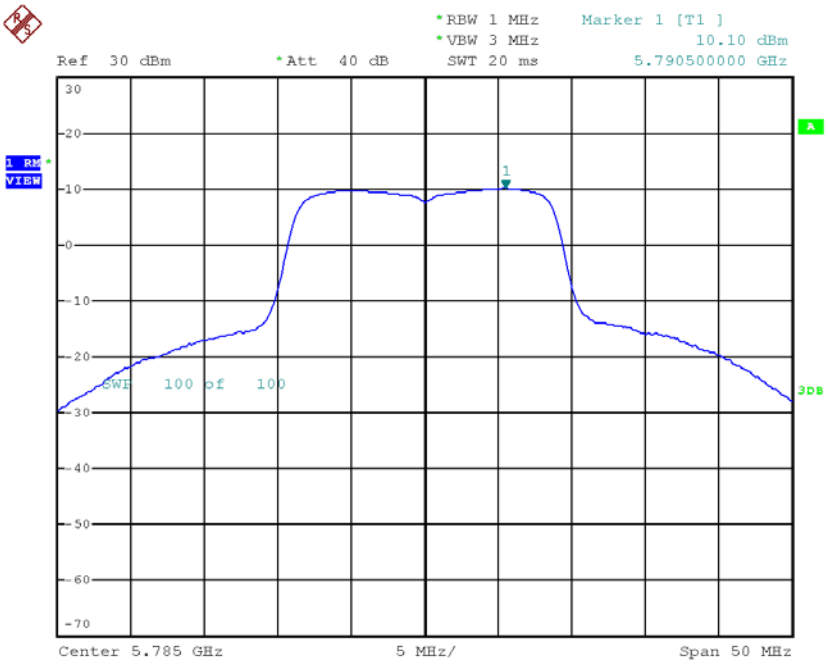
Test Mode: UNII-3/ TX N20 Mode_CH149/CH157/CH165_ANT 2

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	6.75	0.00	6.75	27.99
CH157	5785	10.10	0.00	10.10	27.99
CH165	5825	9.52	0.00	9.52	27.99

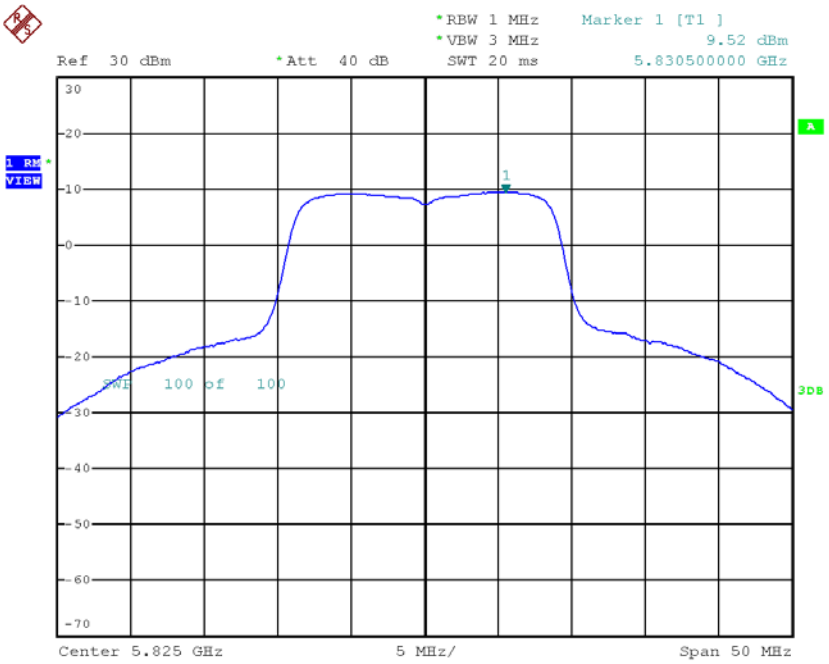
TX CH149



TX CH157



TX CH165

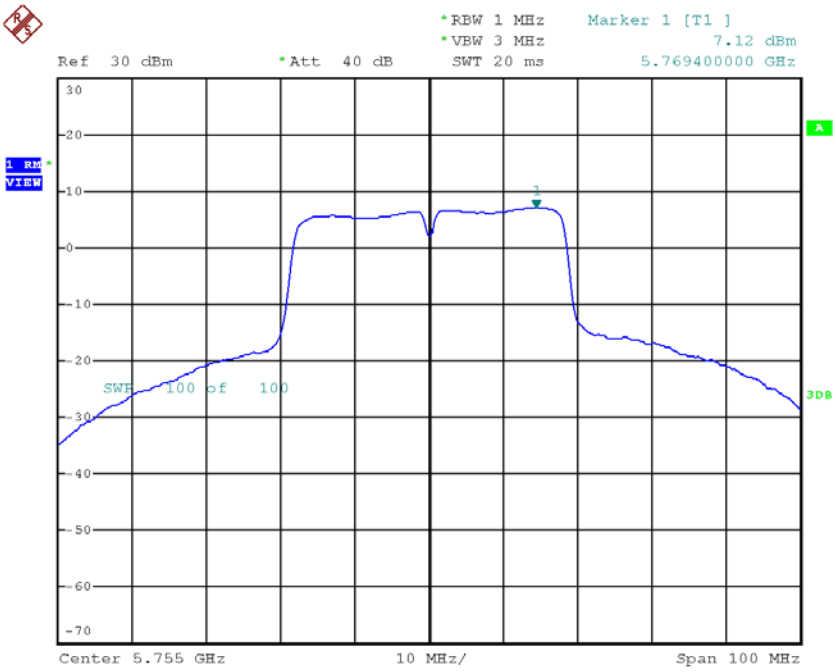


Test Mode: UNII-3/ TX N20 Mode_CH149/CH157/CH165_Total

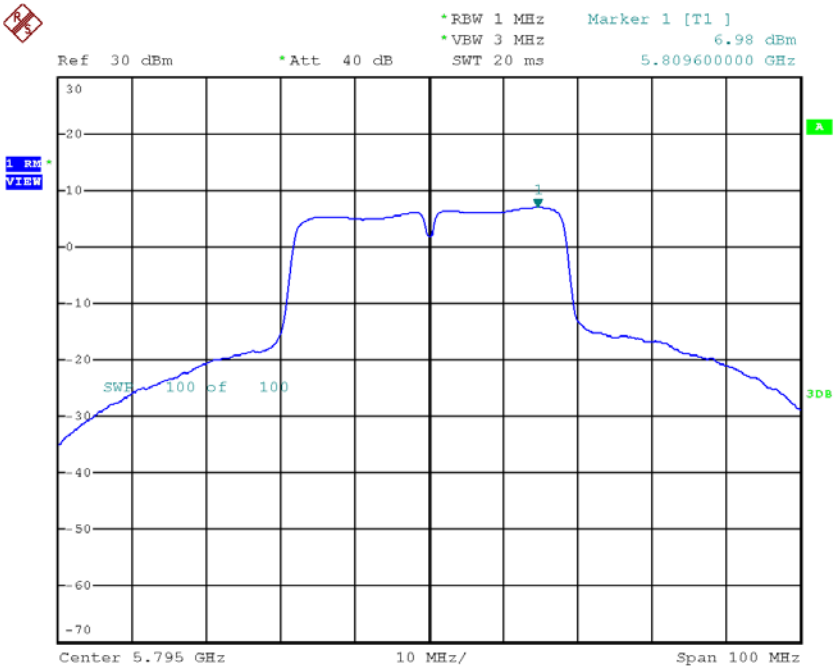
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	10.05	27.99
CH157	5785	12.93	27.99
CH165	5825	12.46	27.99

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	7.12	0.00	7.12	27.99
CH159	5795	6.98	0.00	6.98	27.99

TX CH151



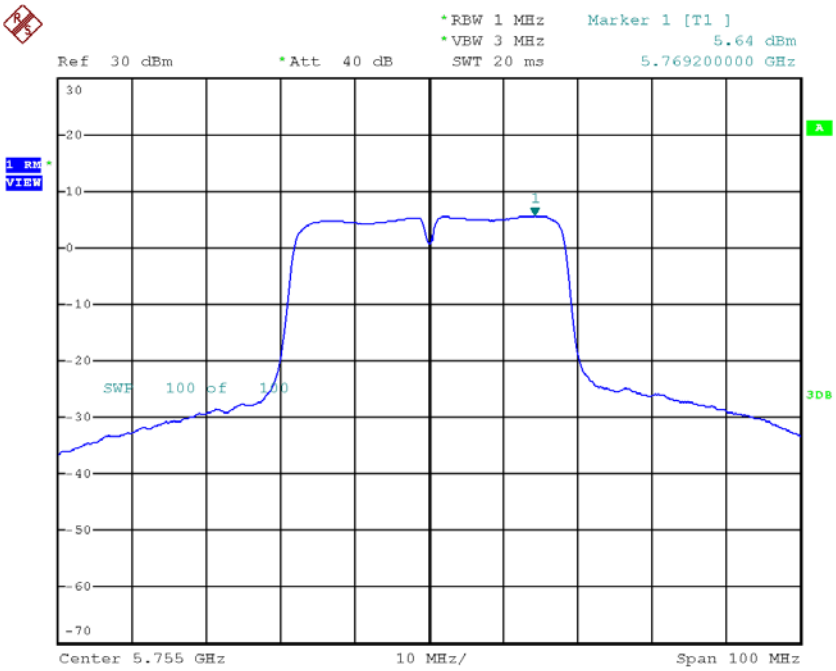
TX CH159



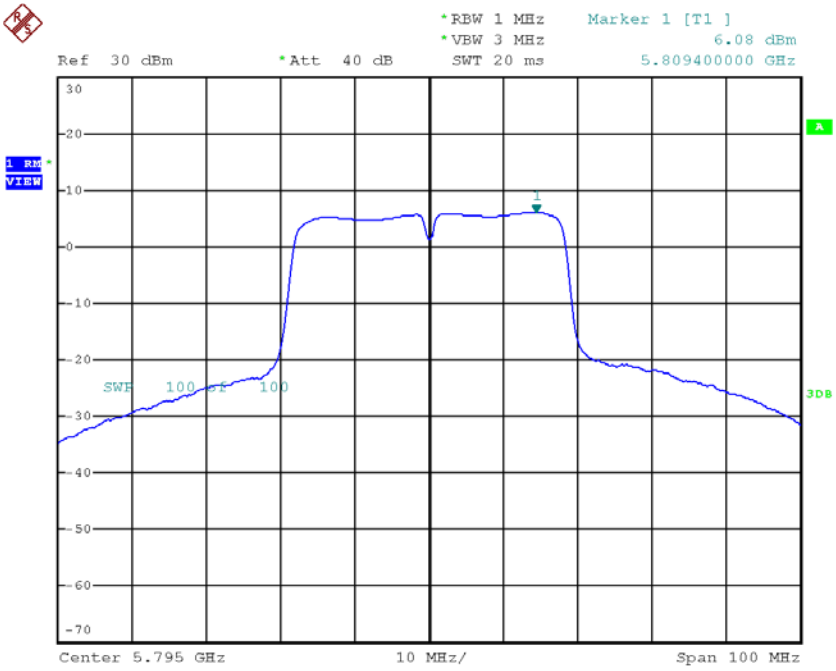
Test Mode: UNII-3/ TX N40 Mode_CH151/CH159_ANT 2

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH151	5755	5.64	0.00	5.64	27.99
CH159	5795	6.08	0.00	6.08	27.99

TX CH151



TX CH159

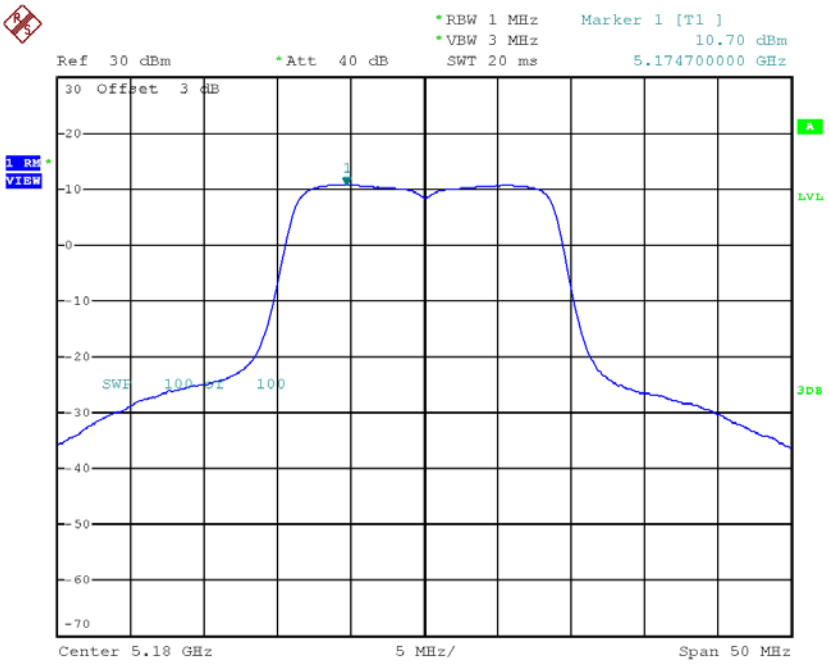


Test Mode: UNII-3/ TX N40 Mode_CH151/CH159_Total			
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Limit (dBm/500kHz)
CH151	5755	9.45	27.99
CH159	5795	9.56	27.99

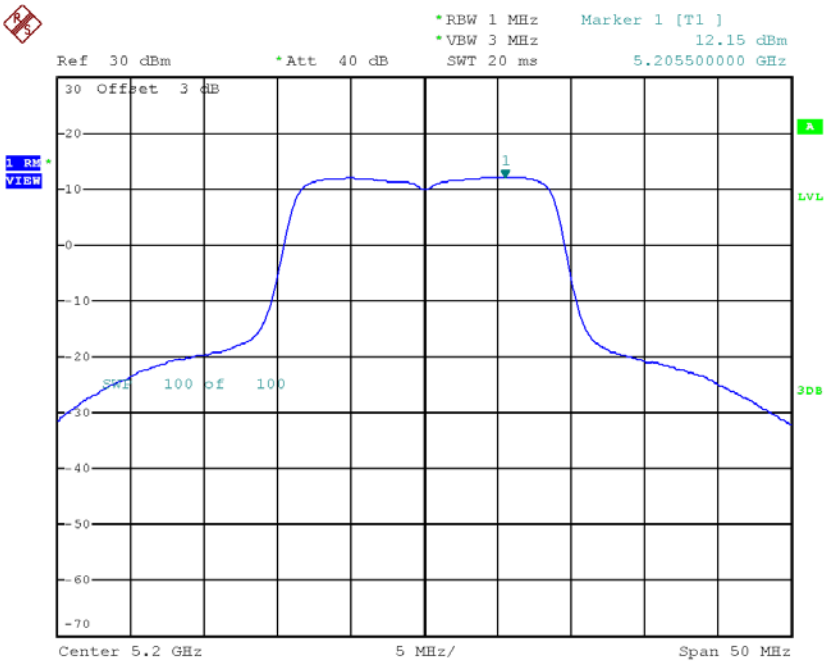
Test Mode: UNII-1/TX AC20 Mode_CH36/CH40/CH48_ANT 1

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	10.70	0.00	10.70	14.99
CH40	5200	12.15	0.00	12.15	14.99
CH48	5240	12.26	0.00	12.26	14.99

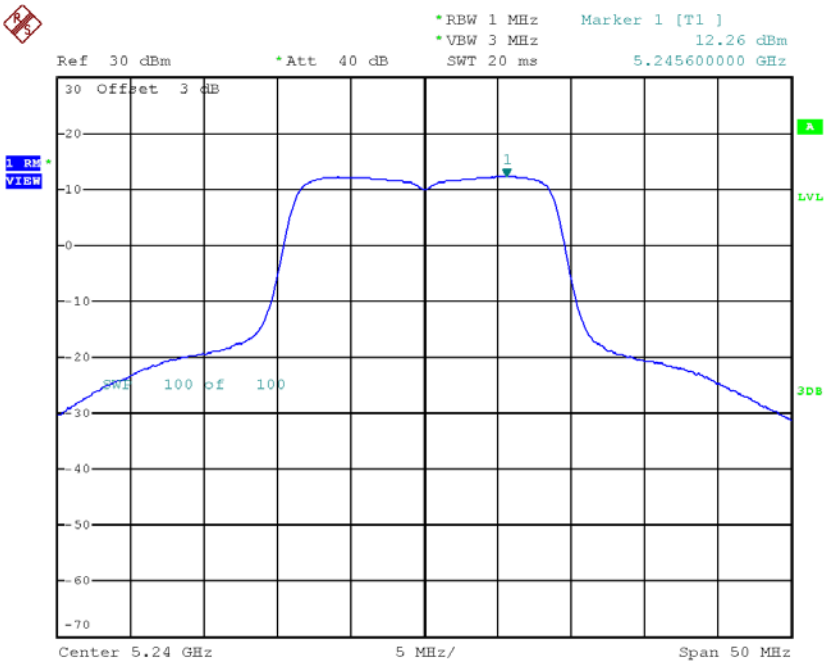
CH36



CH40


*RBW 1 MHz
*VBW 3 MHz
SWT 20 ms
Marker 1 [T1]
12.15 dBm
5.205500000 GHz
Ref 30 dBm
*Att 40 dB
30 Offset 3 dB
1 RM
VIEW
A
LVL
3DB
SWP 100 of 100
Center 5.2 GHz
5 MHz/
Span 50 MHz

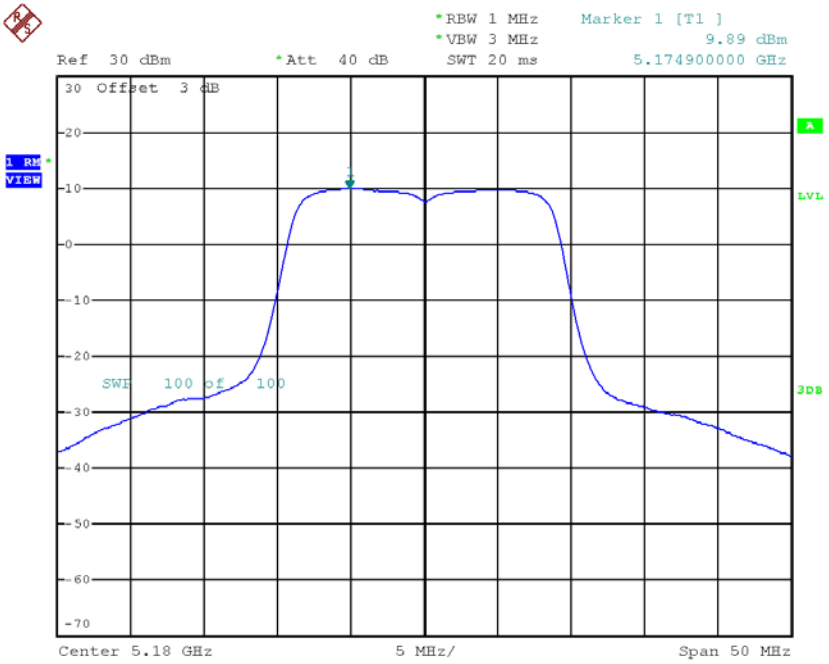
CH48


*RBW 1 MHz
*VBW 3 MHz
SWT 20 ms
Marker 1 [T1]
12.26 dBm
5.245600000 GHz
Ref 30 dBm
*Att 40 dB
30 Offset 3 dB
1 RM
VIEW
A
LVL
3DB
SWP 100 of 100
Center 5.24 GHz
5 MHz/
Span 50 MHz

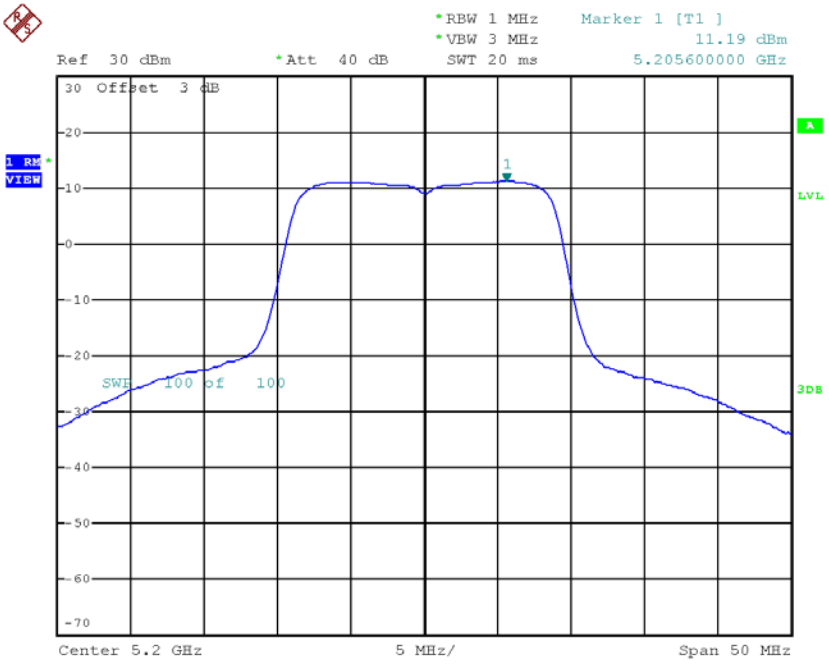
Test Mode: UNII-1/TX AC20 Mode_CH36/CH40/CH48_ANT 2

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	9.89	0.00	9.89	14.99
CH40	5200	11.19	0.00	11.19	14.99
CH48	5240	10.98	0.00	10.98	14.99

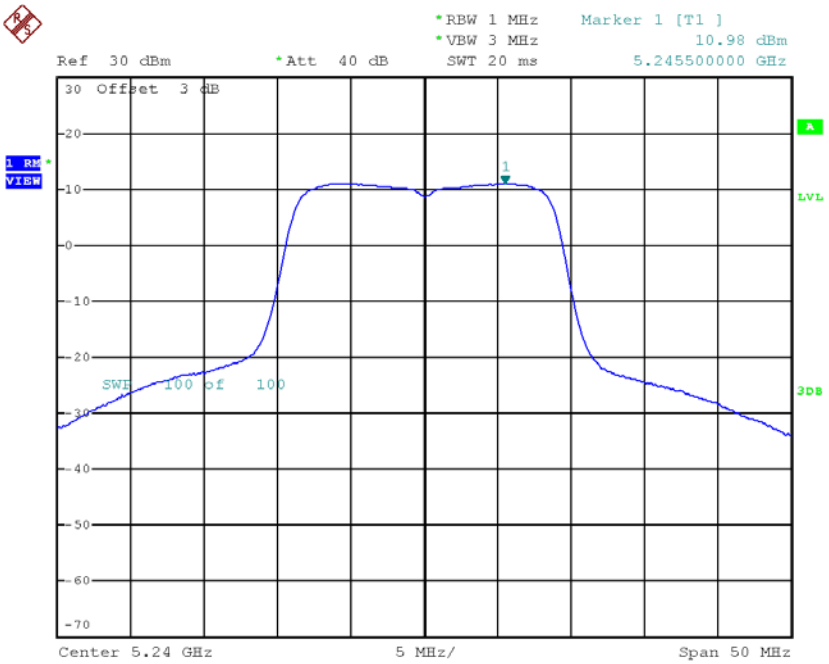
CH36



CH40


*RBW 1 MHz
*VBW 3 MHz
SWT 20 ms
Marker 1 [T1]
11.19 dBm
5.205600000 GHz
Ref 30 dBm
*Att 40 dB
30 Offset 3 dB
1 RM
VIEW
A
LVL
3DB
SWP 100 of 100
Center 5.2 GHz
5 MHz/
Span 50 MHz

CH48


*RBW 1 MHz
*VBW 3 MHz
SWT 20 ms
Marker 1 [T1]
10.98 dBm
5.245500000 GHz
Ref 30 dBm
*Att 40 dB
30 Offset 3 dB
1 RM
VIEW
A
LVL
3DB
SWP 100 of 100
Center 5.24 GHz
5 MHz/
Span 50 MHz

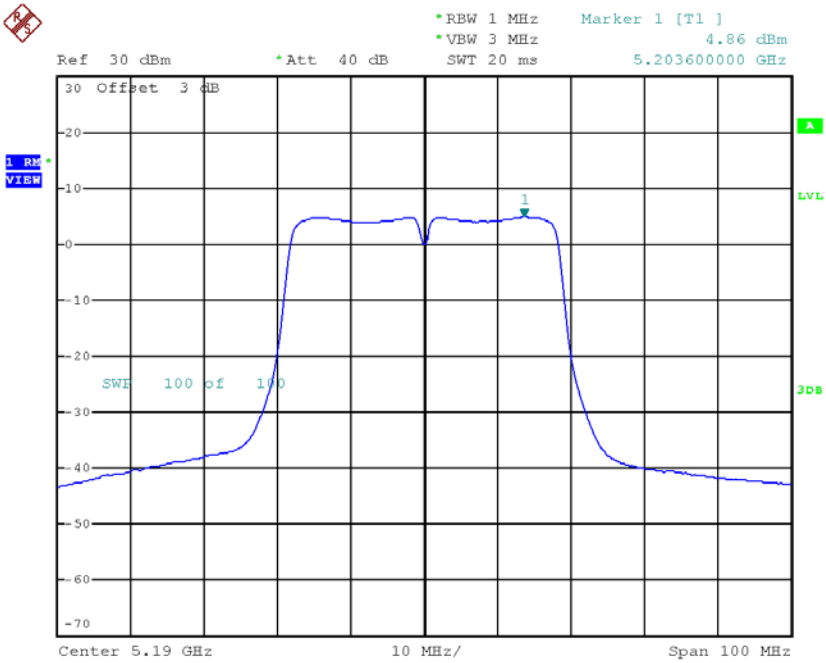
Test Mode: UNII-1/TX AC20 Mode_CH36/CH40/CH48_Total

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	13.32	14.99
CH40	5200	14.71	14.99
CH48	5240	14.68	14.99

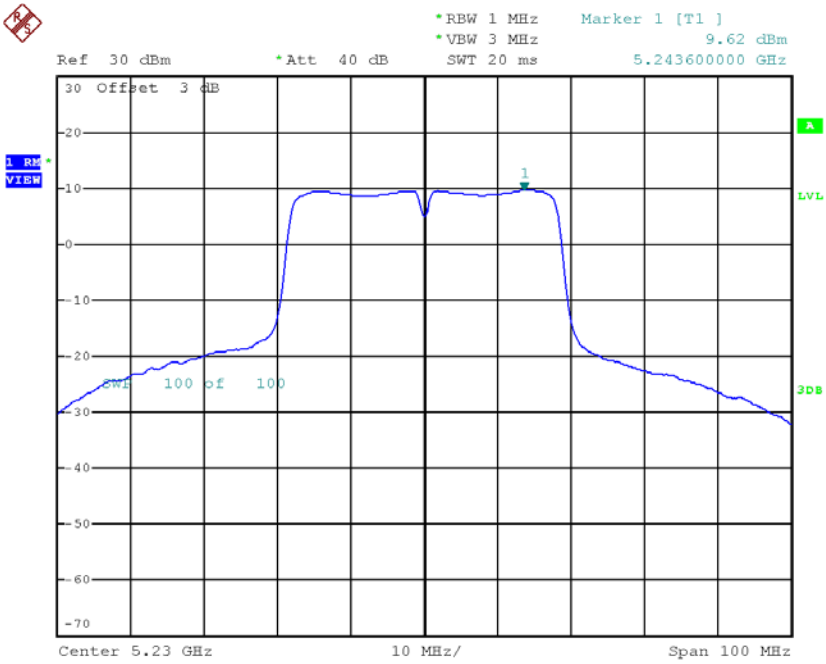
Test Mode: UNII-1/TX AC40 Mode_CH38/CH46_ANT 1

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	4.86	0.00	4.86	14.99
CH46	5230	9.62	0.00	9.62	14.99

CH38


*RBW 1 MHz
*VBW 3 MHz
SWT 20 ms
Marker 1 [T1]
4.86 dBm
5.203600000 GHz
Ref 30 dBm
*Att 40 dB
30 Offset 3 dB
1 RM
VIEW
A
LVL
3DB
SWP 100 of 100
Center 5.19 GHz
10 MHz/
Span 100 MHz

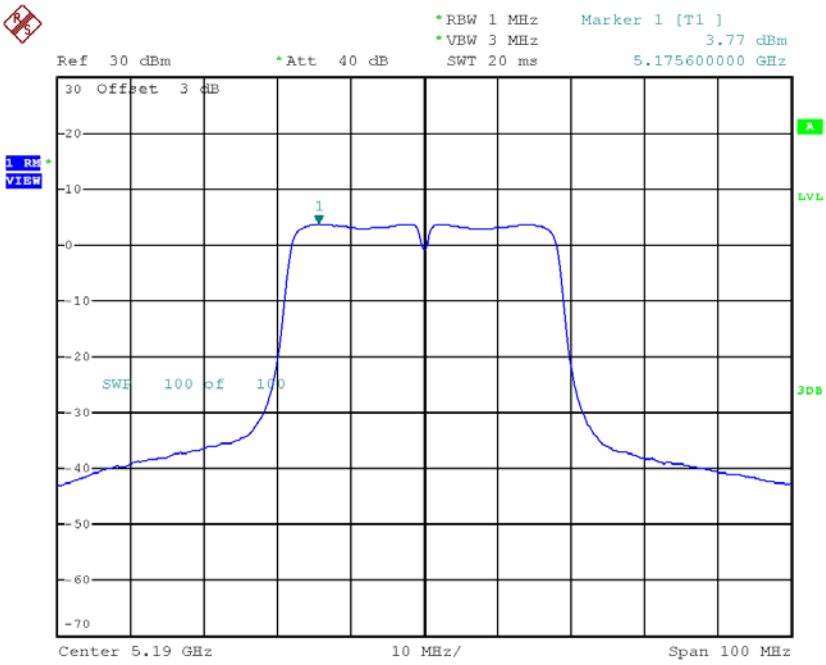
CH46


*RBW 1 MHz
*VBW 3 MHz
SWT 20 ms
Marker 1 [T1]
9.62 dBm
5.243600000 GHz
Ref 30 dBm
*Att 40 dB
30 Offset 3 dB
1 RM
VIEW
A
LVL
3DB
SWP 100 of 100
Center 5.23 GHz
10 MHz/
Span 100 MHz

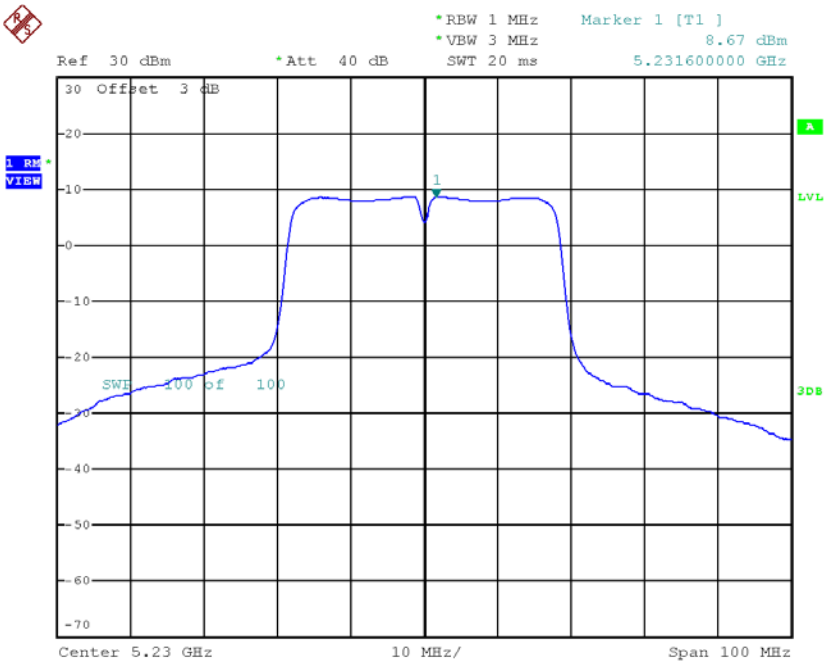
Test Mode: UNII-1/TX AC40 Mode_CH38/CH46_ANT 2

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	3.77	0.00	3.77	14.99
CH46	5230	8.67	0.00	8.67	14.99

CH38


*RBW 1 MHz
*VBW 3 MHz
SWT 20 ms
Marker 1 [T1]
3.77 dBm
5.175600000 GHz
Ref 30 dBm
*Att 40 dB
30 Offset 3 dB
1 RM
VIEW
A
LVL
3DB
SWP 100 of 100
Center 5.19 GHz
10 MHz/
Span 100 MHz

CH46


*RBW 1 MHz
*VBW 3 MHz
SWT 20 ms
Marker 1 [T1]
8.67 dBm
5.231600000 GHz
Ref 30 dBm
*Att 40 dB
30 Offset 3 dB
1 RM
VIEW
A
LVL
3DB
SWP 100 of 100
Center 5.23 GHz
10 MHz/
Span 100 MHz

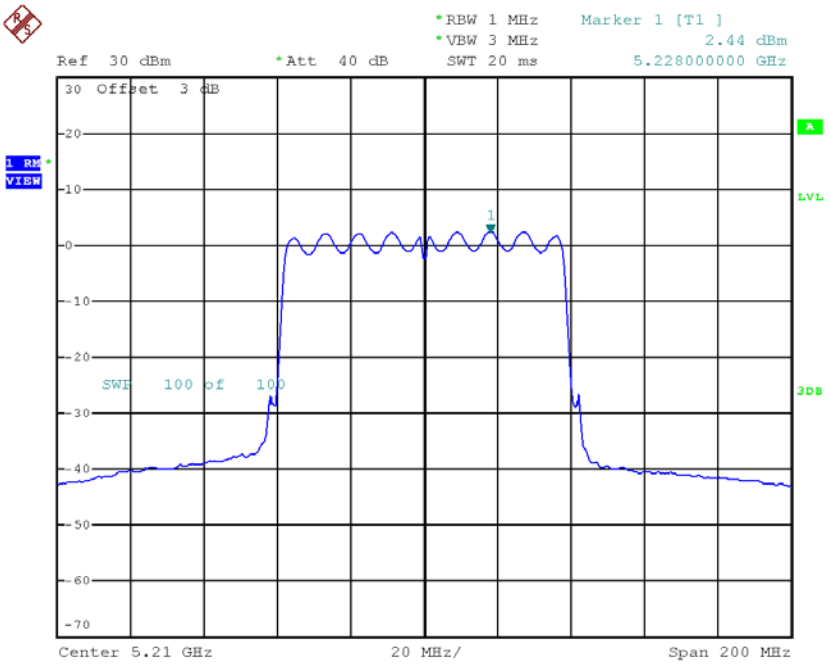
Test Mode: UNII-1/TX AC40 Mode_CH38/CH46_Total

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	7.36	14.99
CH46	5230	12.18	14.99

Test Mode: UNII-1/TX AC80 Mode_CH42_ANT 1

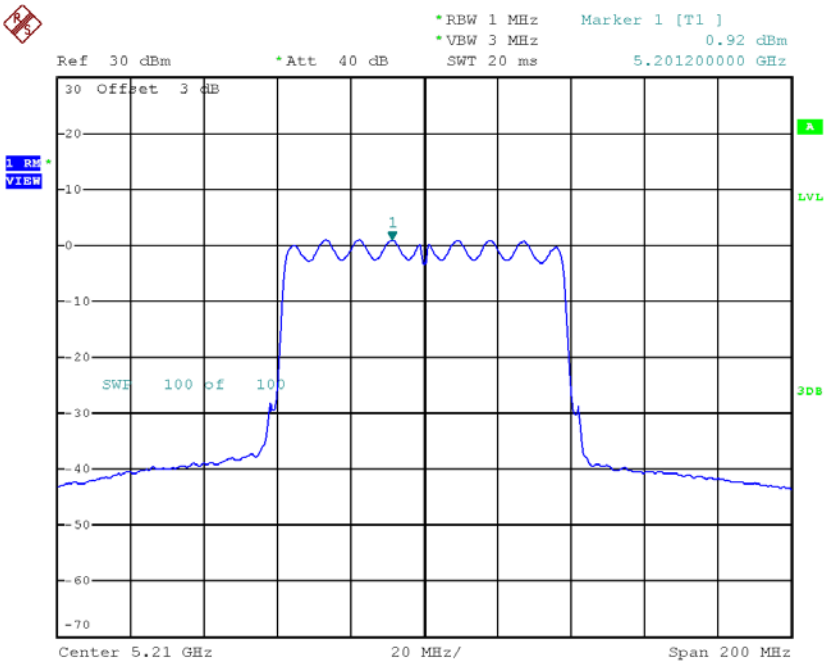
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH42	5210	2.44	0.00	2.44	14.99

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	0.92	0.00	0.92	14.99

CH42



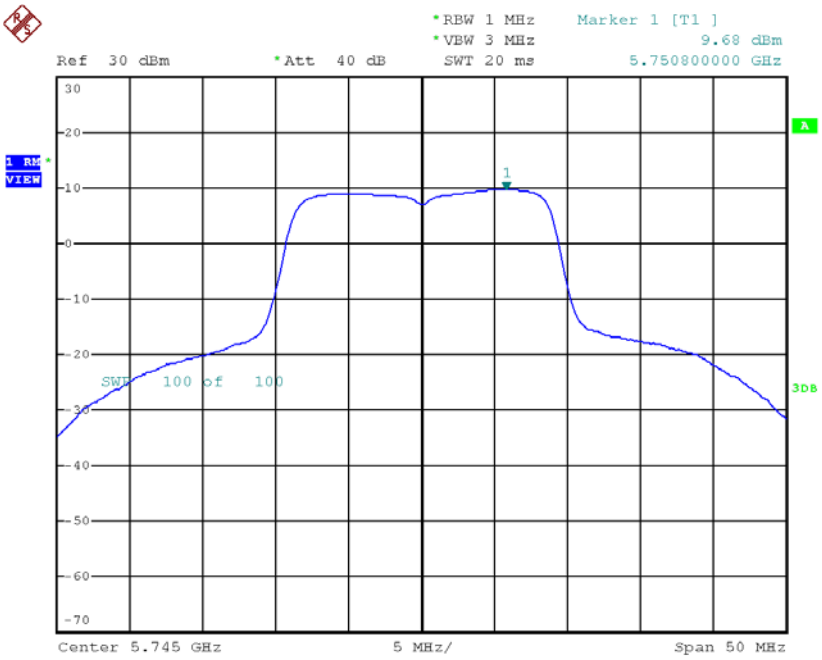
Test Mode: UNII-1/TX AC80 Mode_CH42_Total

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Limit (dBm/MHz)
CH42	5210	4.76	14.99

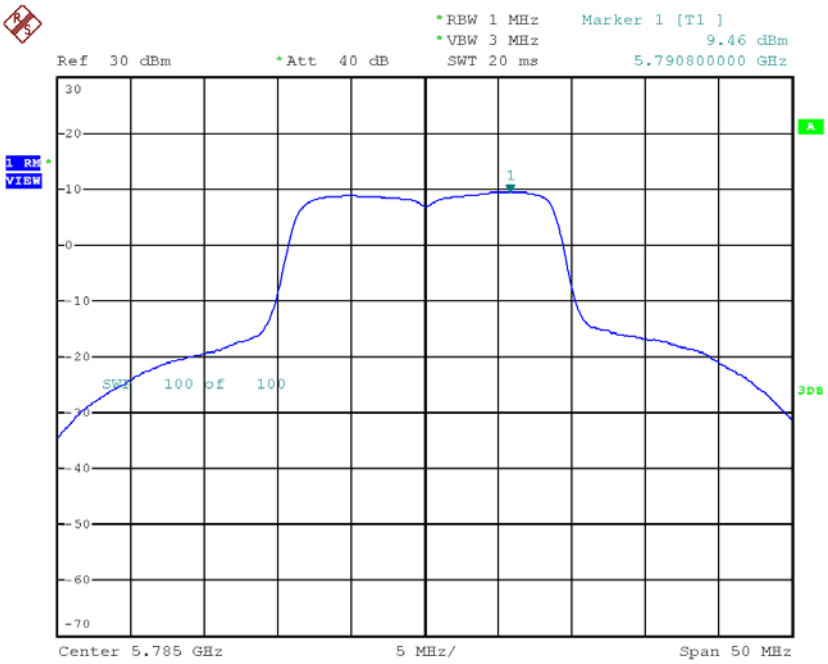
Test Mode: UNII-3/ TX AC20 Mode_CH149/CH157/CH165_ANT 1

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	9.68	0.00	9.68	27.99
CH157	5785	9.46	0.00	9.46	27.99
CH165	5825	9.57	0.00	9.57	27.99

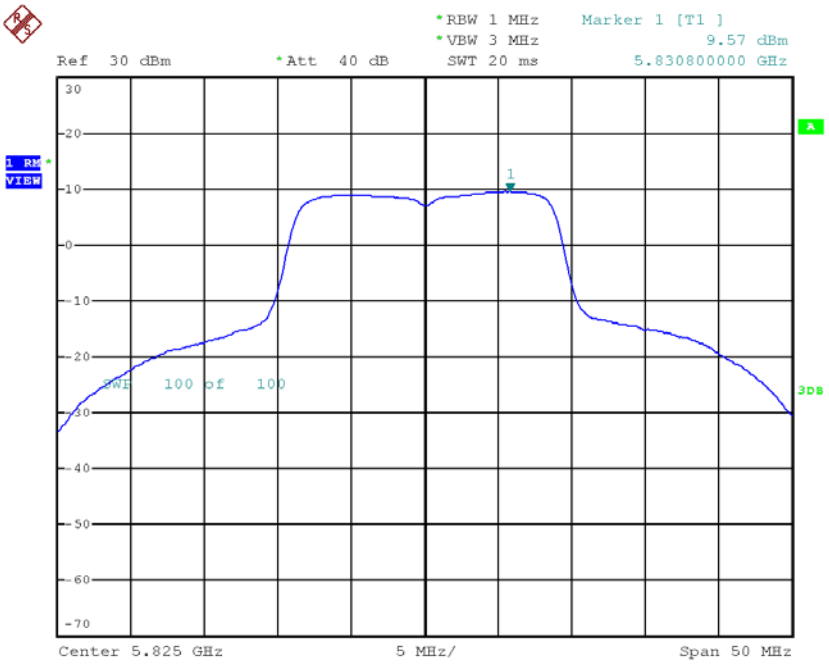
TX CH149



TX CH157



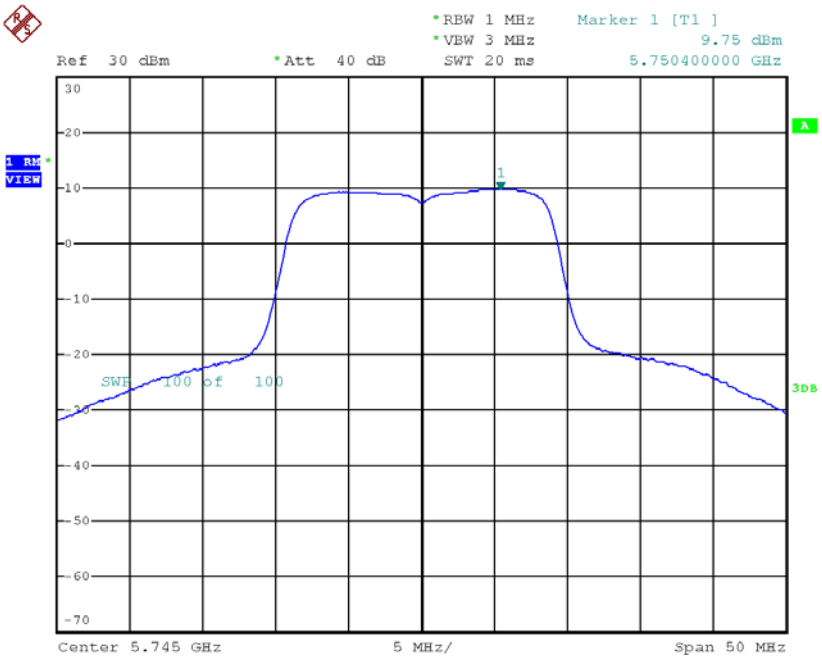
TX CH165



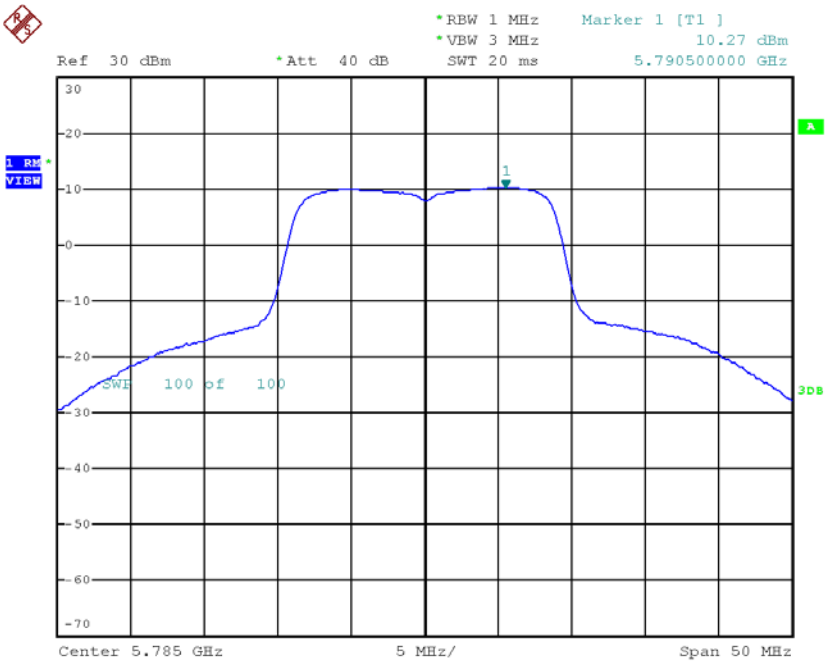
Test Mode: UNII-3/ TX AC20 Mode_CH149/CH157/CH165_ANT 2

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	9.75	0.00	9.75	27.99
CH157	5785	10.27	0.00	10.27	27.99
CH165	5825	9.24	0.00	9.24	27.99

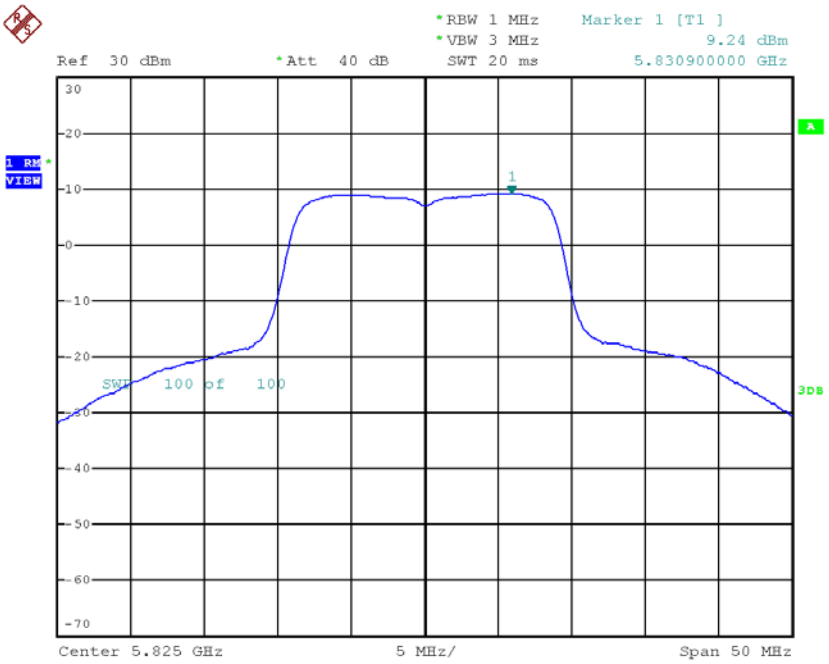
TX CH149



TX CH157



TX CH165



Test Mode: UNII-3/ TX AC20 Mode_CH149/CH157/CH165_Total			
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	12.73	27.99
CH157	5785	12.89	27.99
CH165	5825	12.42	27.99

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	6.68	0.00	6.68	27.99
CH159	5795	7.14	0.00	7.14	27.99