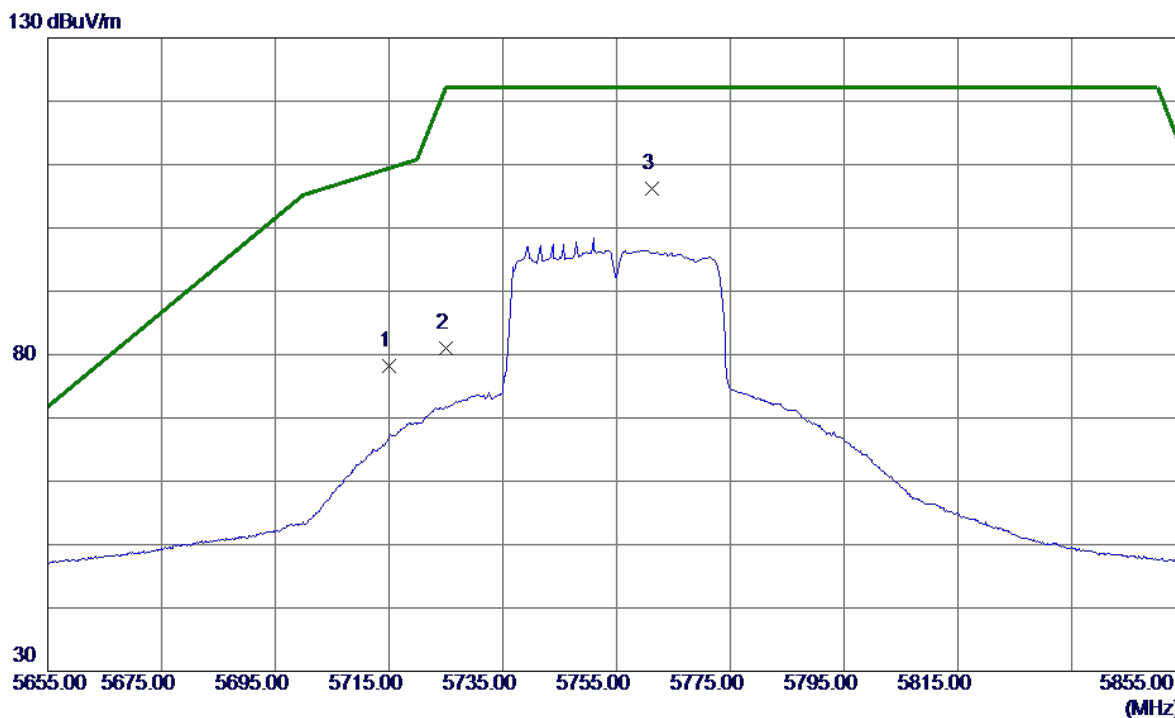


Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC40 Mode 5755MHz

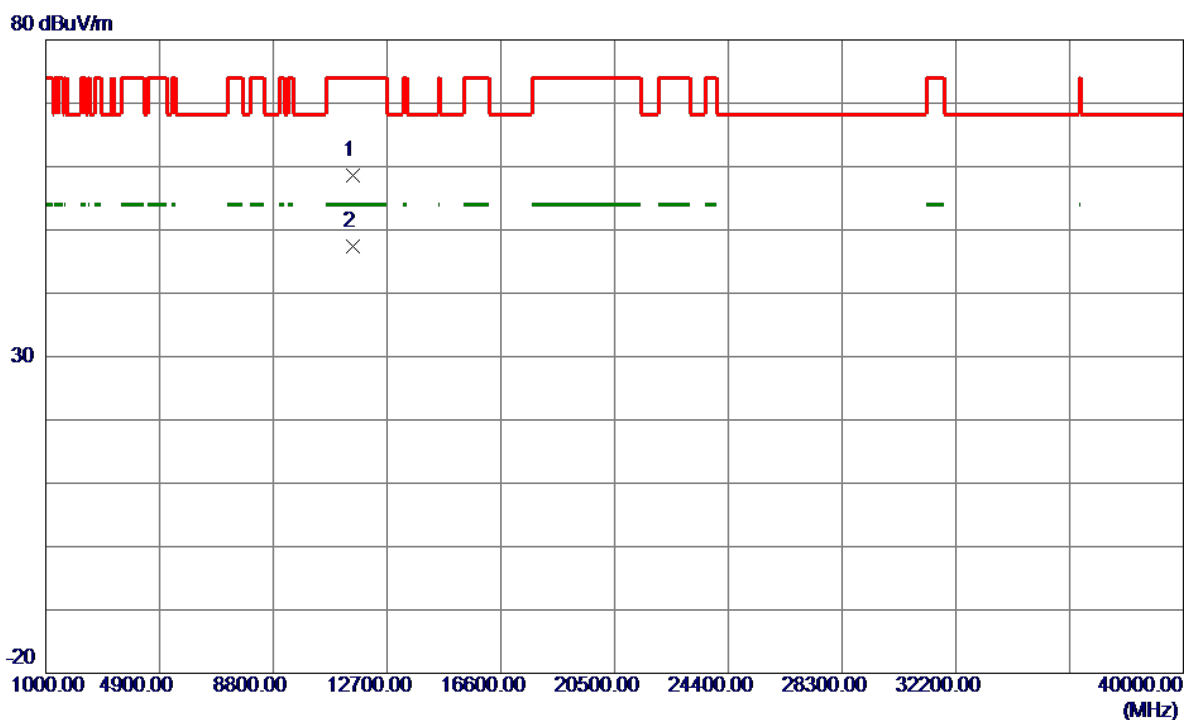
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	60.24	18.00	78.24	109.40	-31.16	Peak	
2	5725.0000	63.03	18.02	81.05	122.20	-41.15	Peak	
3 *	5761.2000	88.12	18.08	106.20	122.20	-16.00	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC40 Mode 5755MHz

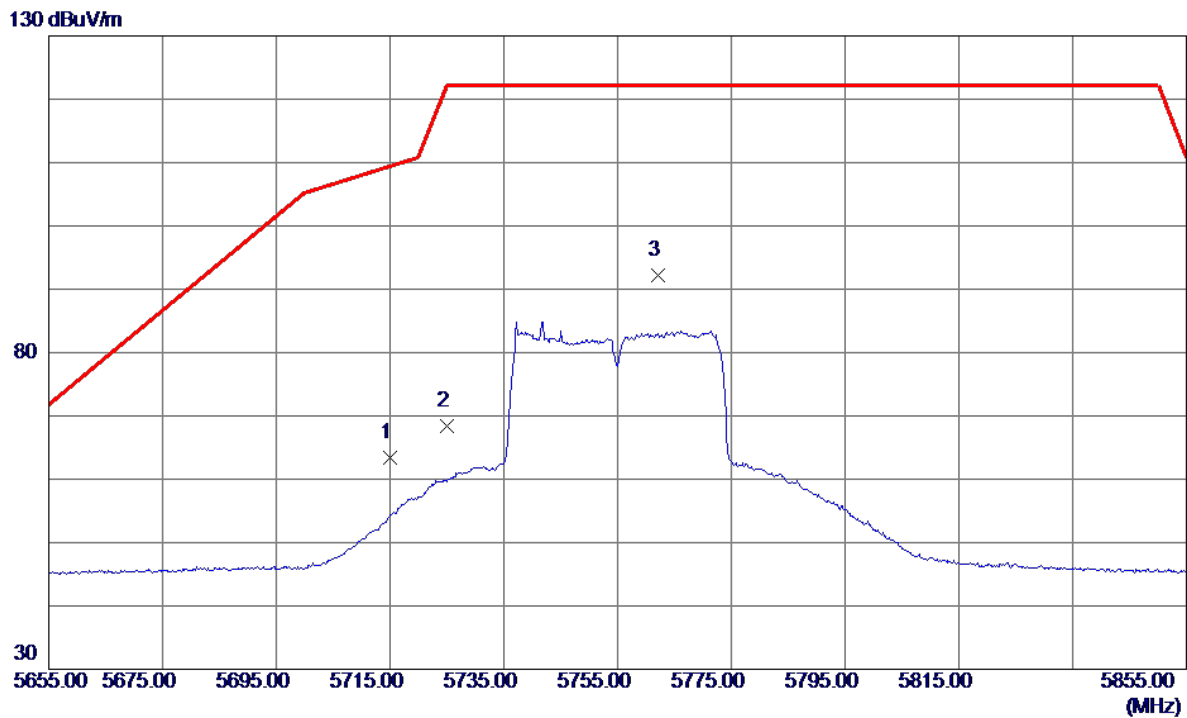
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11514.8000	43.28	15.23	58.51	74.00	-15.49	Peak	
2 *	11516.2000	32.23	15.23	47.46	54.00	-6.54	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC40 Mode 5755MHz

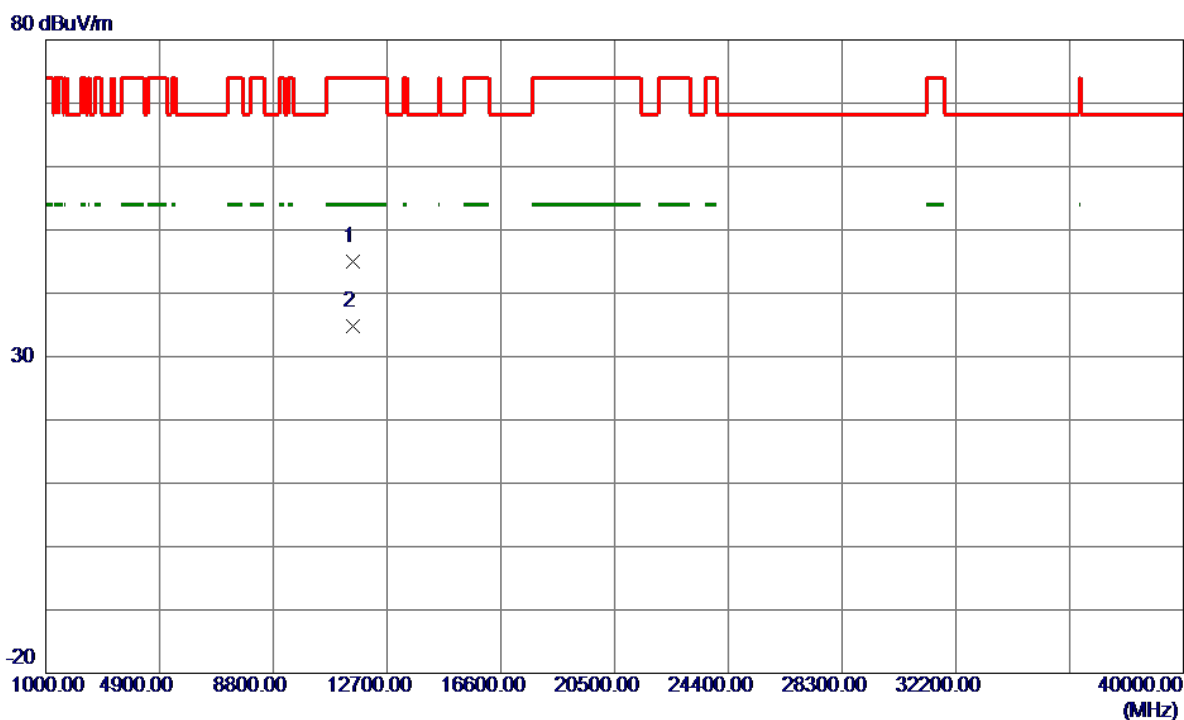
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	45.39	18.00	63.39	109.40	-46.01	Peak	
2	5725.0000	50.39	18.02	68.41	122.20	-53.79	Peak	
3 *	5762.1000	74.18	18.09	92.27	122.20	-29.93	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC40 Mode 5755MHz

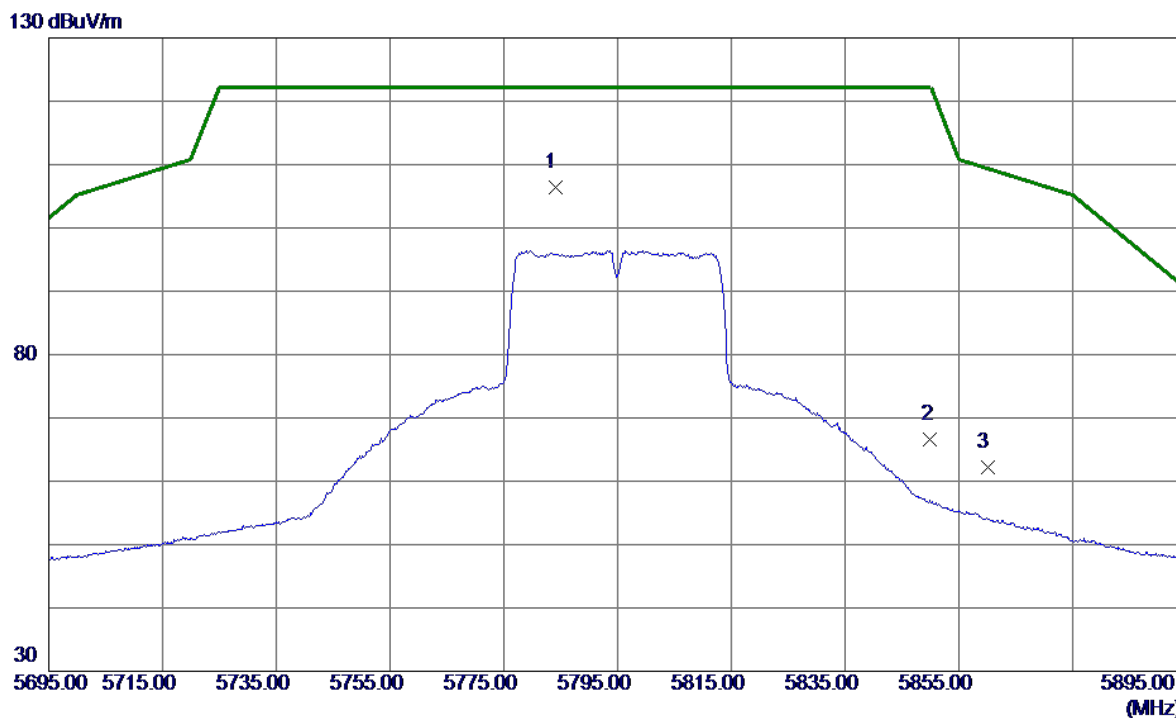
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11515.0000	29.83	15.23	45.06	74.00	-28.94	Peak	
2 *	11531.9000	19.52	15.25	34.77	54.00	-19.23	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC40 Mode 5795MHz

Vertical

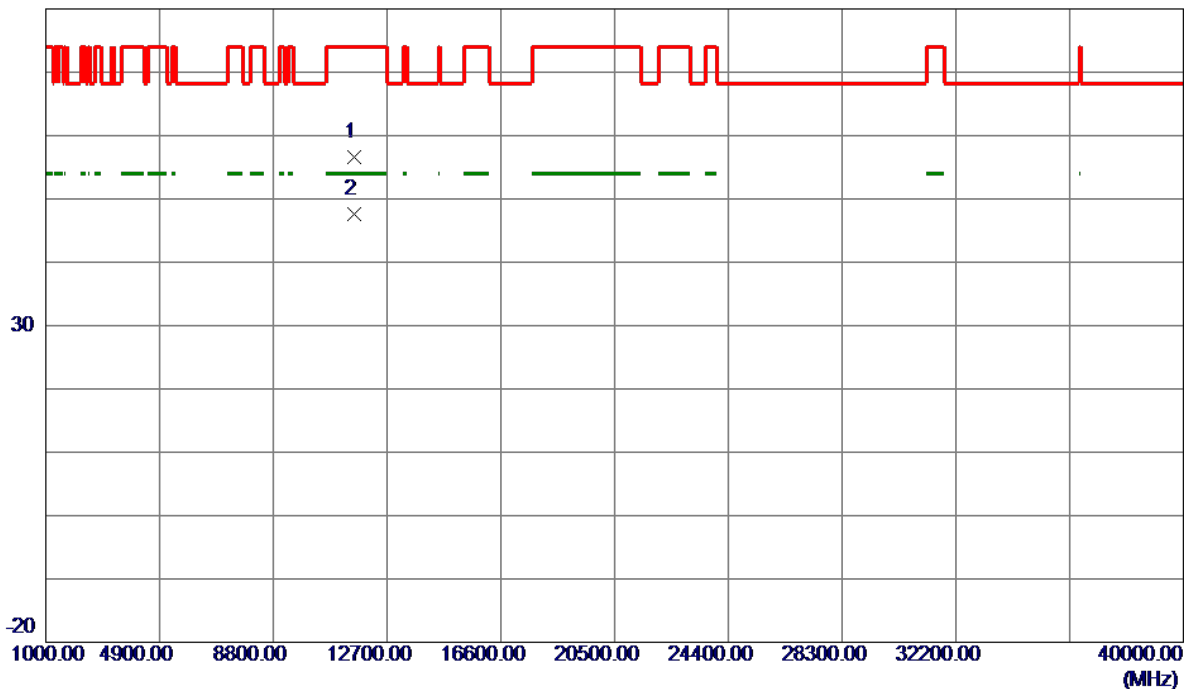


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5784.0000	88.28	18.13	106.41	122.20	-15.79	Peak	
2	5850.0000	48.33	18.24	66.57	122.20	-55.63	Peak	
3	5860.0000	44.03	18.26	62.29	109.40	-47.11	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC40 Mode 5795MHz

Vertical

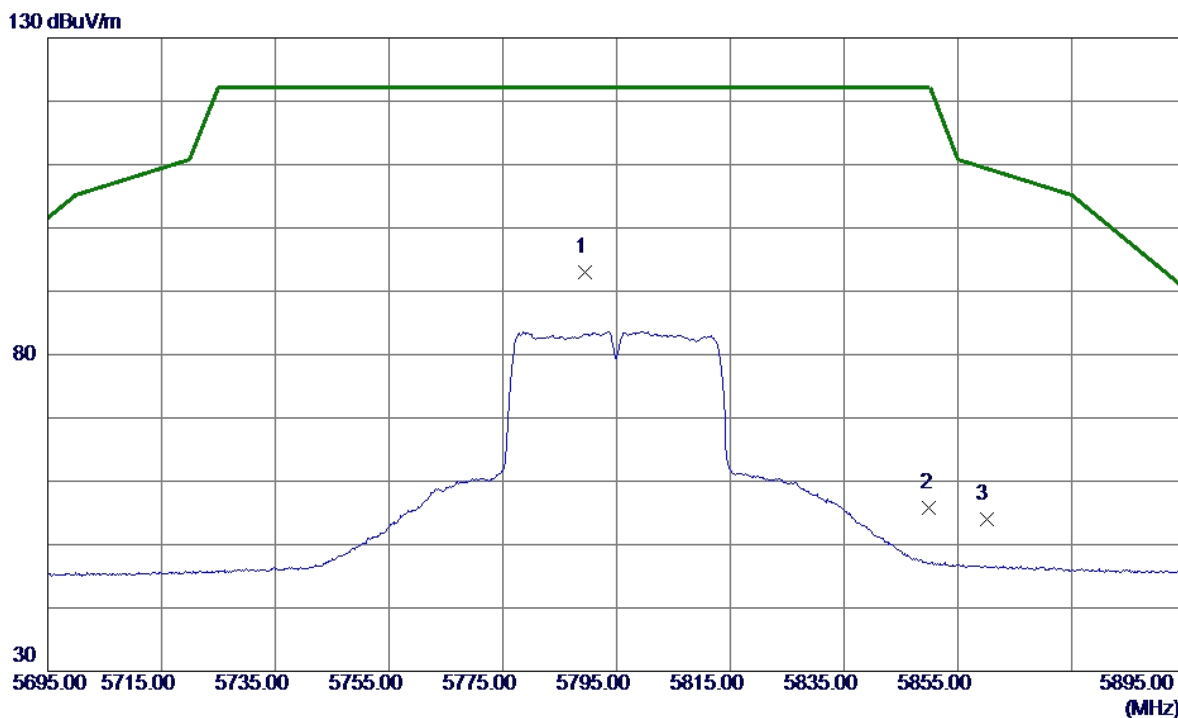
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11592.3000	41.36	15.32	56.68	74.00	-17.32	Peak	
2 *	11593.4200	32.27	15.32	47.59	54.00	-6.41	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC40 Mode 5795MHz

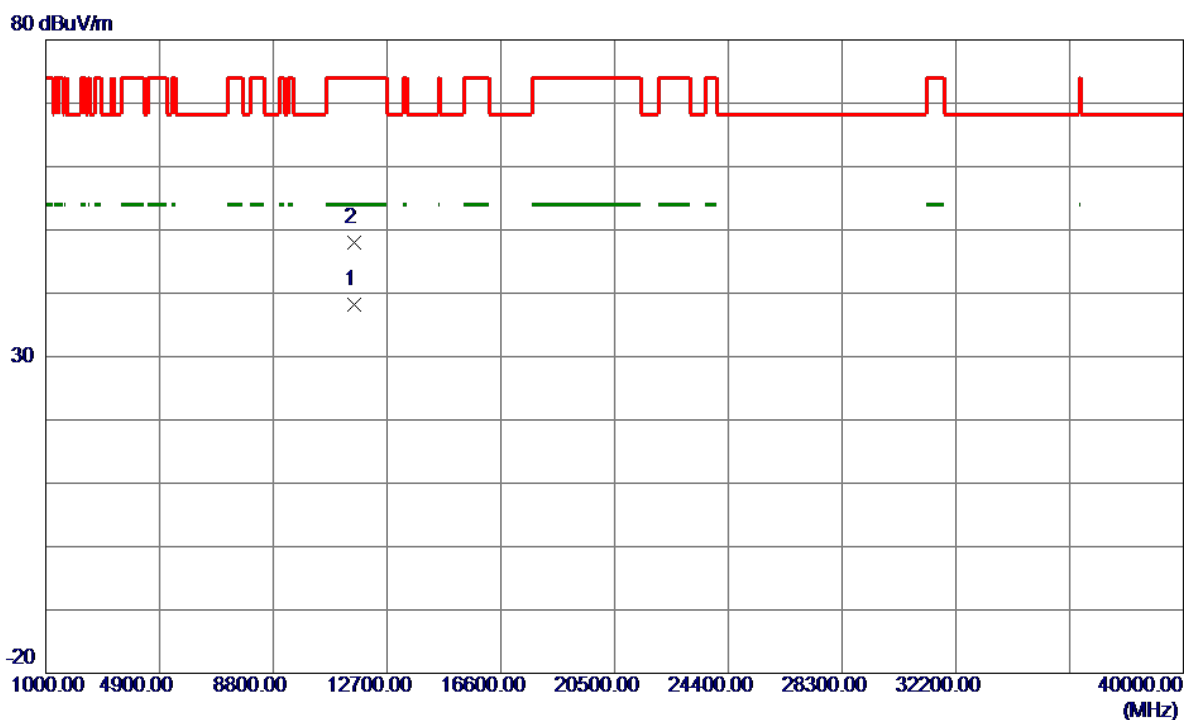
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	5789.5000	74.85	18.14	92.99	122.20	-29.21	Peak	
2	5850.0000	37.59	18.24	55.83	122.20	-66.37	Peak	
3	5860.0000	35.76	18.26	54.02	109.40	-55.38	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC40 Mode 5795MHz

Horizontal

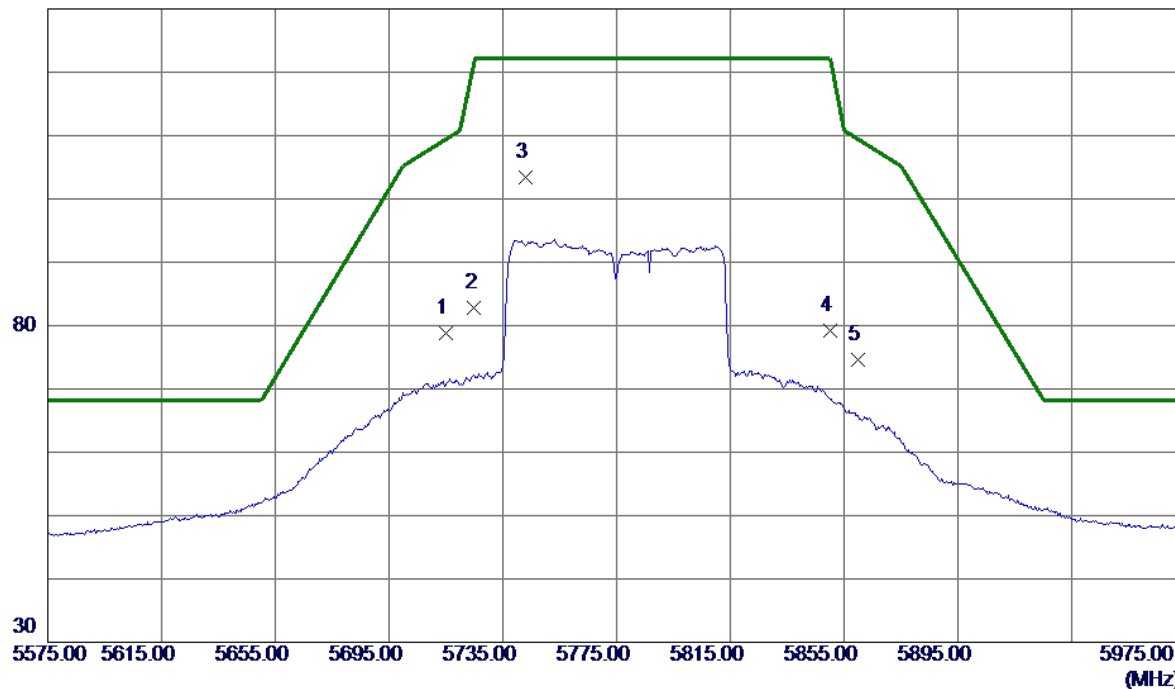


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	11590.1000	22.88	15.32	38.20	54.00	-15.80	AVG	
2	11591.0000	32.73	15.32	48.05	74.00	-25.95	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC80 Mode 5775MHz

Vertical

130 dBuV/m

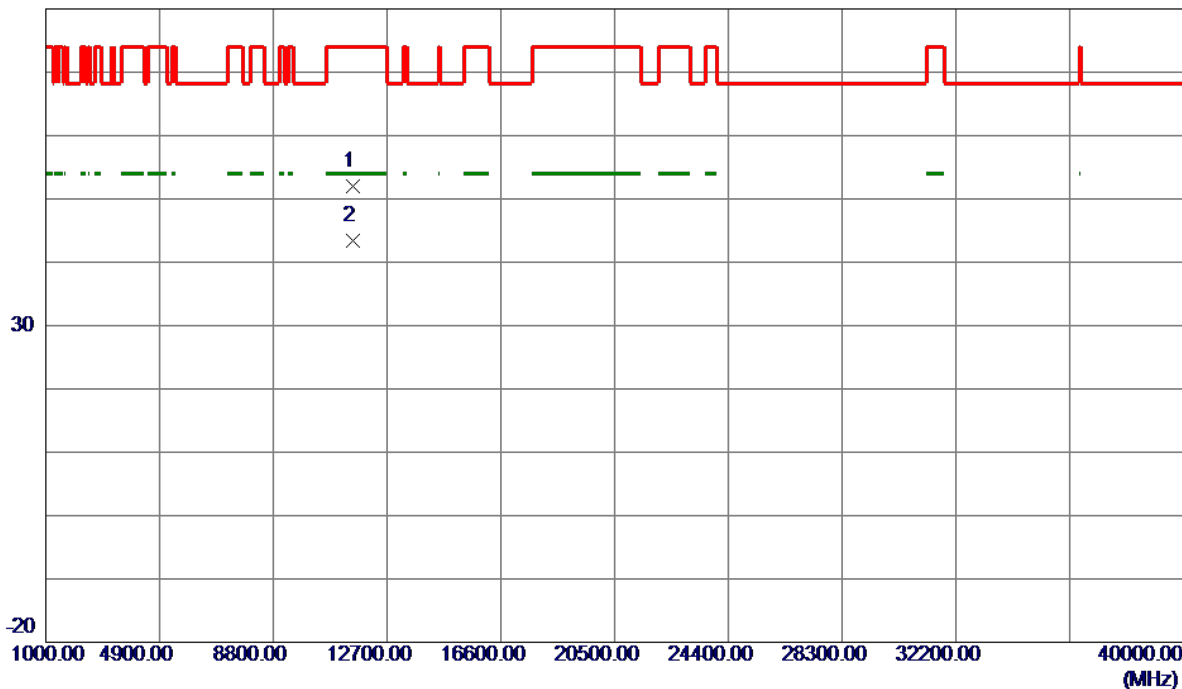


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	60.88	18.00	78.88	109.40	-30.52	Peak	
2	5725.0000	64.69	18.02	82.71	122.20	-39.49	Peak	
3 *	5742.8000	85.28	18.05	103.33	122.20	-18.87	Peak	
4	5850.0000	61.01	18.24	79.25	122.20	-42.95	Peak	
5	5860.0000	56.42	18.26	74.68	109.40	-34.72	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC80 Mode 5775MHz

Vertical

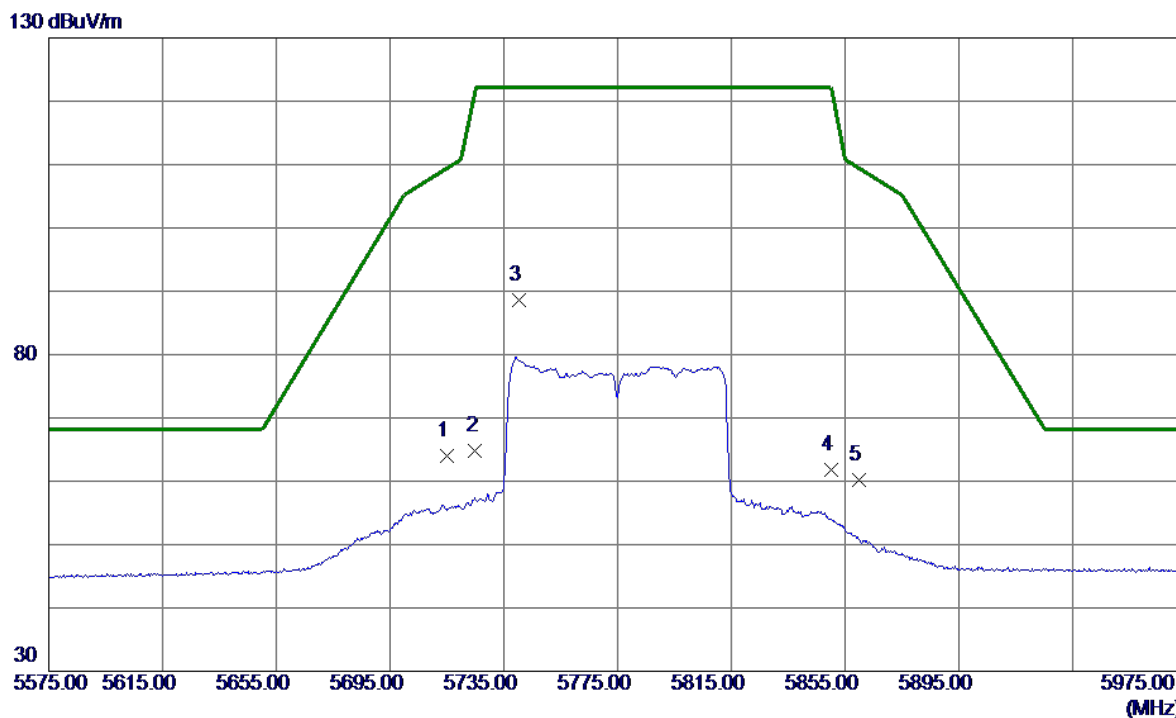
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11541.2500	36.78	15.26	52.04	74.00	-21.96	Peak	
2 *	11550.0500	28.04	15.27	43.31	54.00	-10.69	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC80 Mode 5775MHz

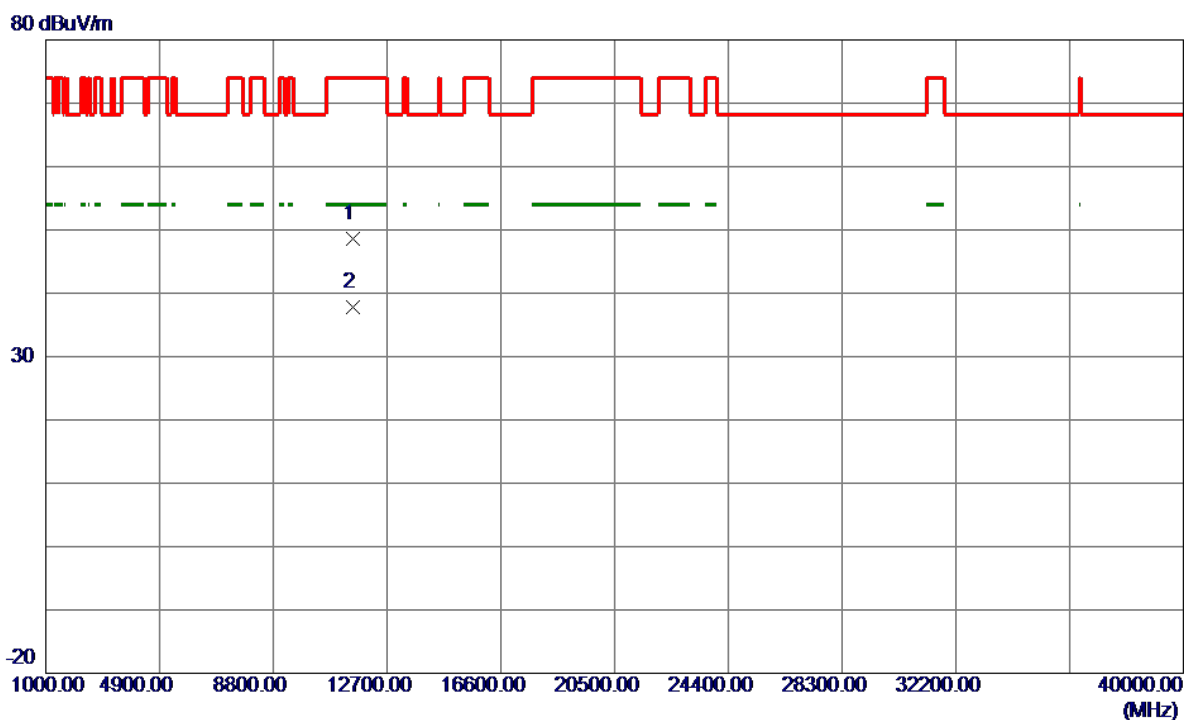
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5715.0000	46.03	18.00	64.03	109.40	-45.37	Peak	
2	5725.0000	46.79	18.02	64.81	122.20	-57.39	Peak	
3 *	5740.4000	70.64	18.05	88.69	122.20	-33.51	Peak	
4	5850.0000	43.58	18.24	61.82	122.20	-60.38	Peak	
5	5860.0000	42.02	18.26	60.28	109.40	-49.12	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC80 Mode 5775MHz

Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	11548.5500	33.41	15.27	48.68	74.00	-25.32	Peak	
2 *	11549.4500	22.51	15.27	37.78	54.00	-16.22	AVG	

TX A Mode_DUTY CYCLE

Duty cycle: TX DUTYMHZ

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

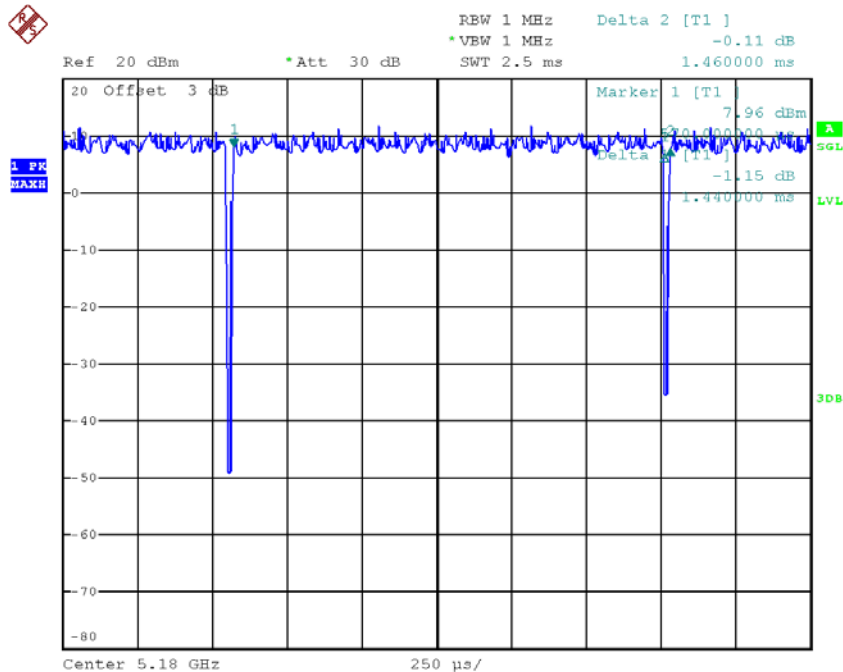
T_{ON} : 1.440 msec

T_{Total} : 1.460 msec

Duty cycle: 98.630%

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

Duty Factor = 0.06



Date: 7.MAY.2018 14:28:38

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

TX AC20 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHZ

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

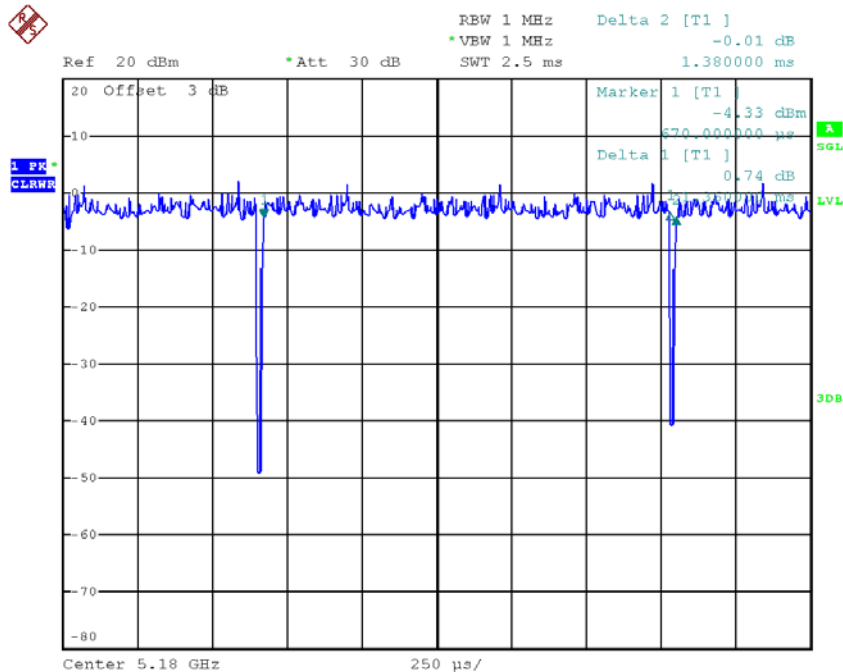
T_{ON} : 1.360 msec

T_{Total} : 1.380 msec

Duty cycle: 98.551%

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

Duty Factor = 0.06



Date: 7.MAY.2018 14:36:40

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

TX AC40 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHZ

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

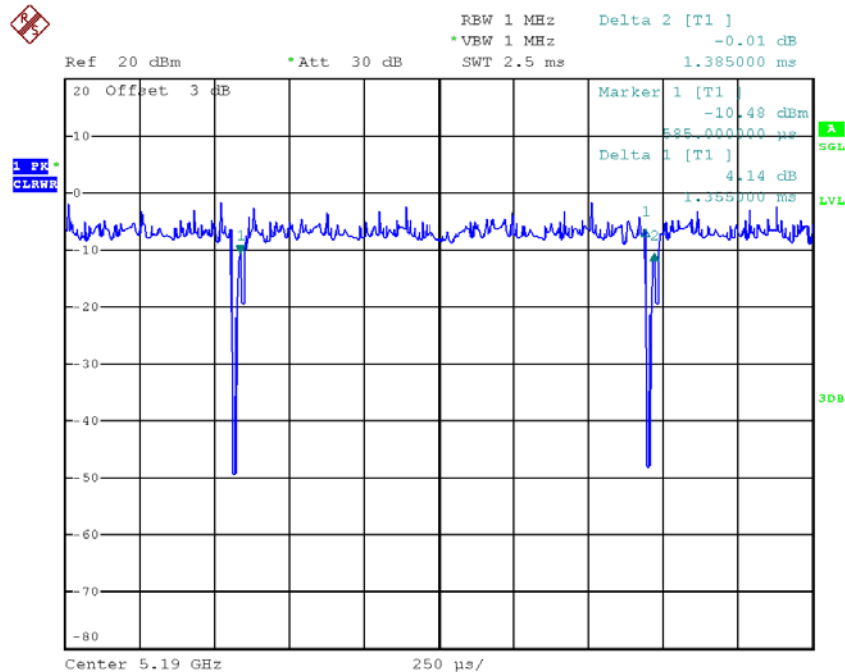
T_{ON} : 1.355 msec

T_{Total} : 1.385 msec

Duty cycle: 97.834%

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

Duty Factor = 0.10



Date: 7.MAY.2018 14:38:31

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

TX AC80 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHZ

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

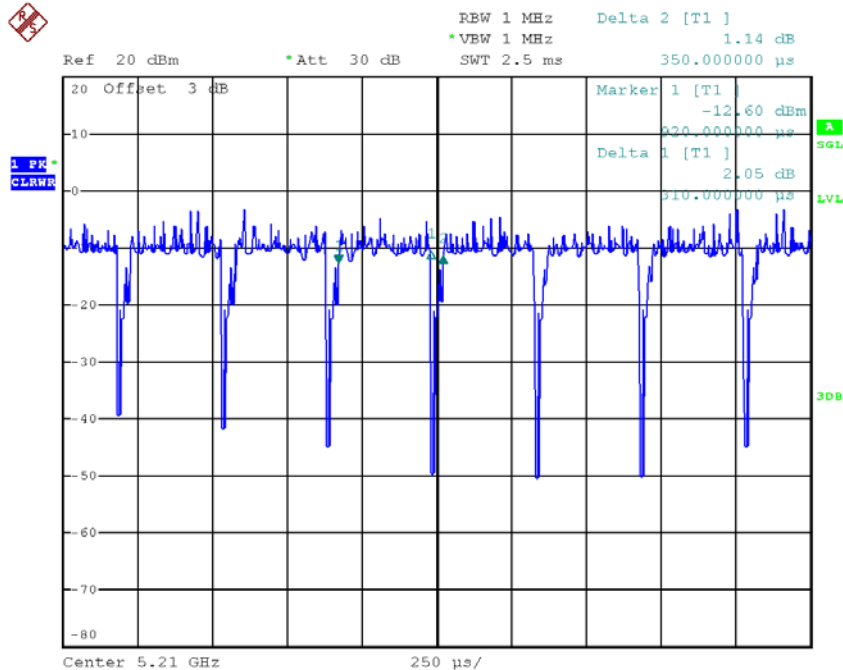
T_{ON} : 0.310 msec

T_{Total} : 0.350 msec

Duty cycle: 88.571%

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

Duty Factor = 0.53



Date: 7.MAY.2018 14:38:38

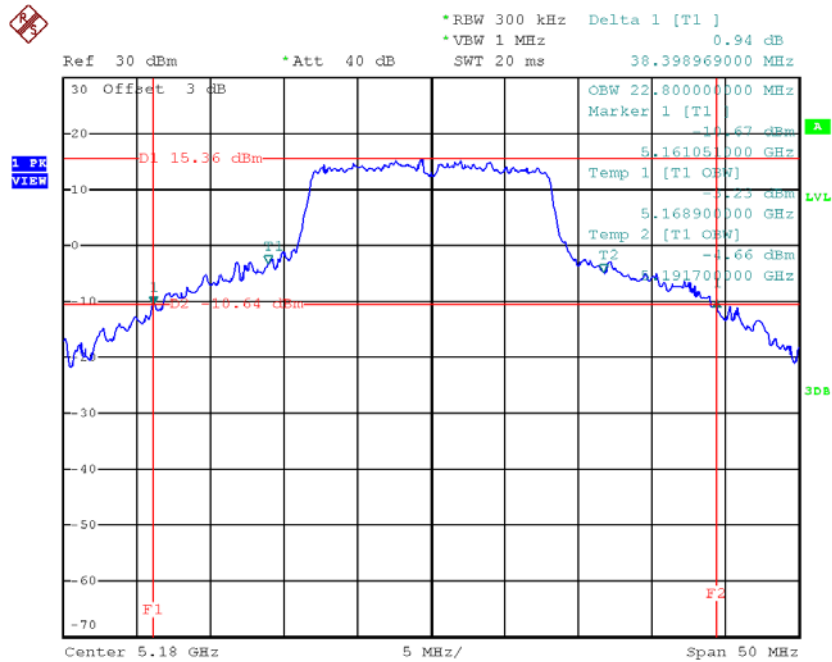
Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is not less than 98 %, so, the output power and power density should be cacluated as Output Power = Measured power + Ducy factor
 Power Spectral Density = Measured density + Duty factor

APPENDIX E - BANDWIDTH

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

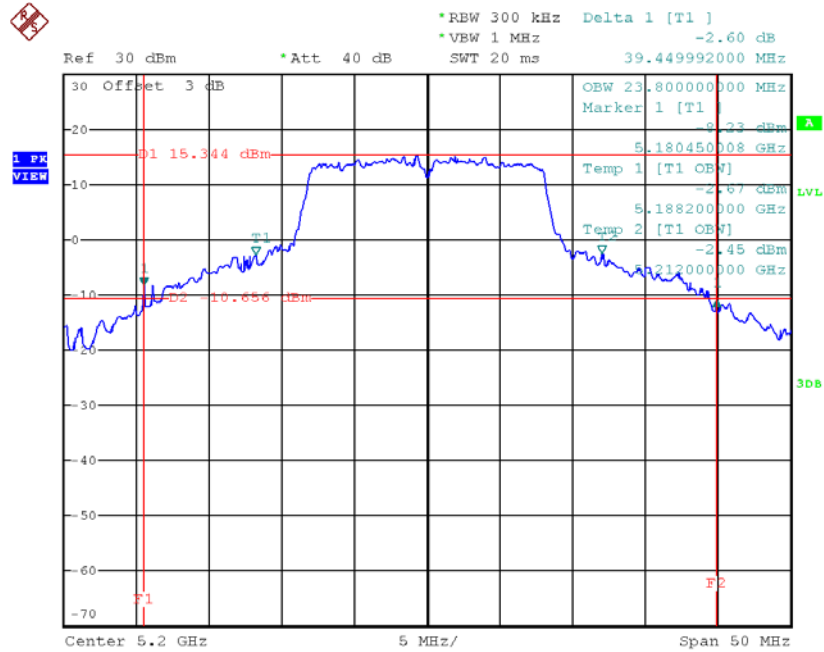
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	38.40	22.80
CH40	5200	39.45	23.80
CH48	5240	38.50	24.70

TX CH36



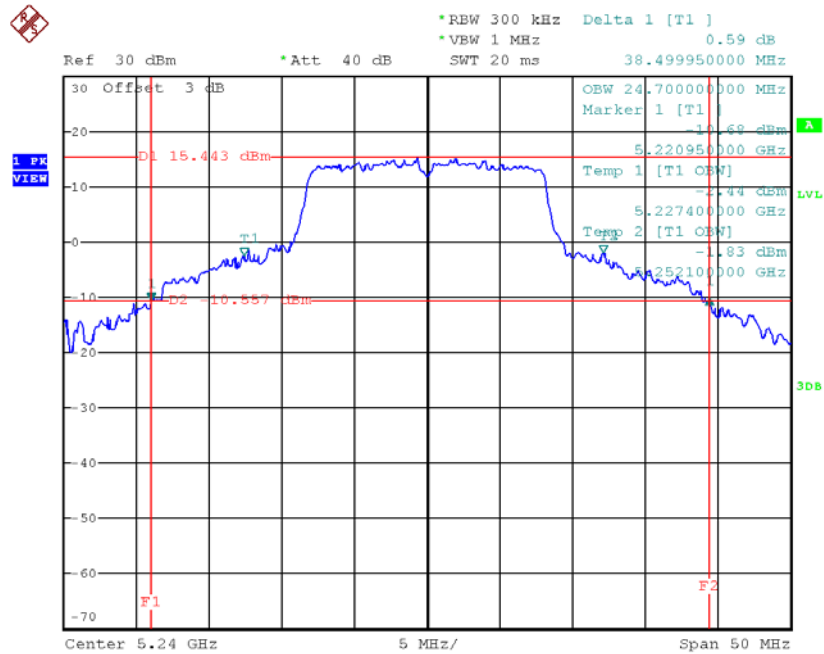
Date: 8.MAY.2018 11:52:37

TX CH40



Date: 8.MAY.2018 11:53:27

TX CH48



Date: 8.MAY.2018 11:54:10

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	16.15	30.30	>=500
CH157	5785	16.39	29.40	>=500
CH165	5825	16.39	27.90	>=500

*RBW 100 kHz Delta 1 [T1]
 *VBW 300 kHz 0.42 dB
 Ref 30 dBm *Att 40 dB SWI 20 ms 16.149000000 MHz

30 Offset 3 dB
 OBW 30.300000000 MHz
 Marker 1 [T1]
 7.93 dBm
 5.736951000 GHz
 Temp 1 [T1 OBW]
 -6.40 dBm
 5.729600000 GHz
 Temp 2 [T1 OBW]
 -7.82 dBm
 5.725990000 GHz

1 PK
 VIEW

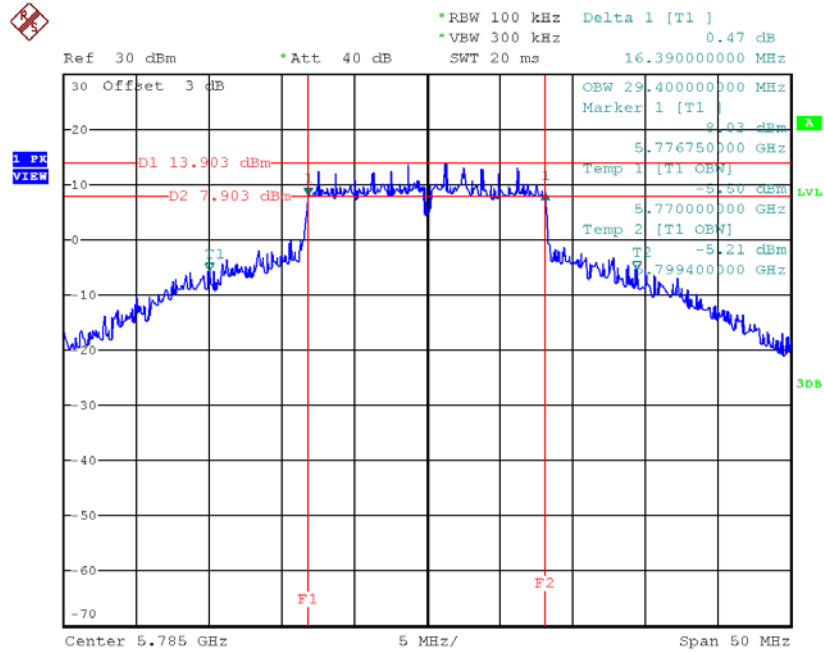
D1 13.928 dBm
 D2 7.928 dBm

F1 F2

Center 5.745 GHz 5 MHz/
 Span 50 MHz

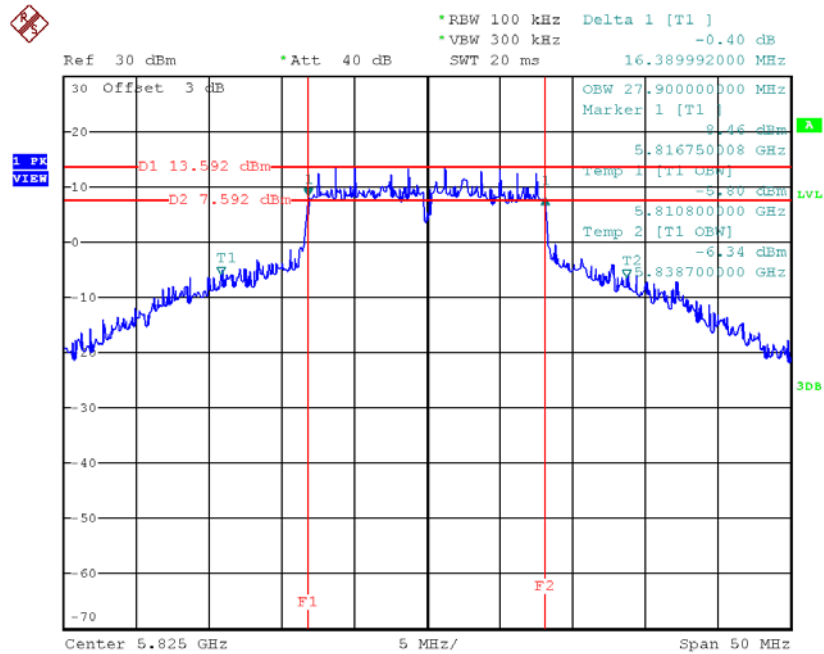
Page 135 of 171

TX CH 157



Date: 8.MAY.2018 11:55:59

TX CH 165

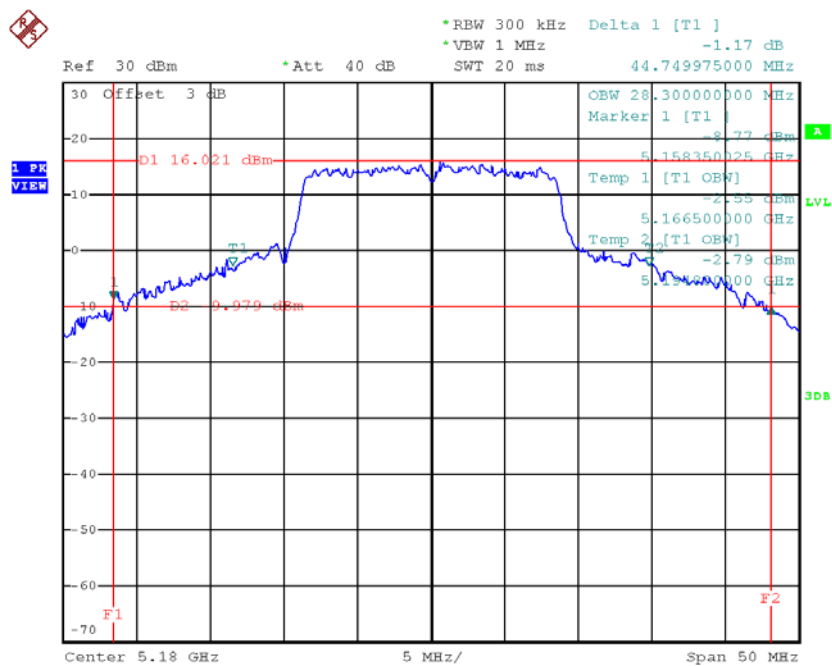


Date: 8.MAY.2018 11:56:51

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

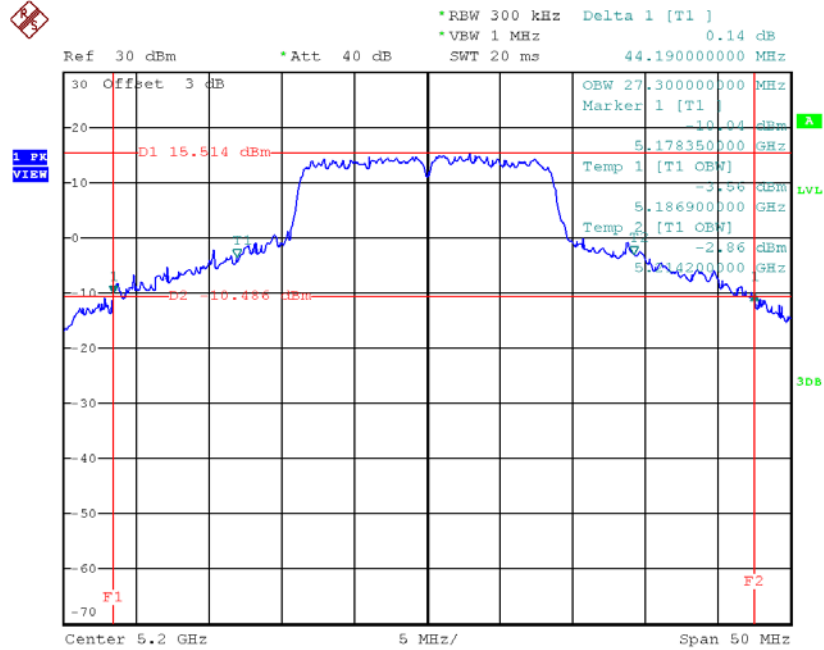
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	44.75	28.30
CH40	5200	44.19	27.30
CH48	5240	44.49	28.40

TX CH36



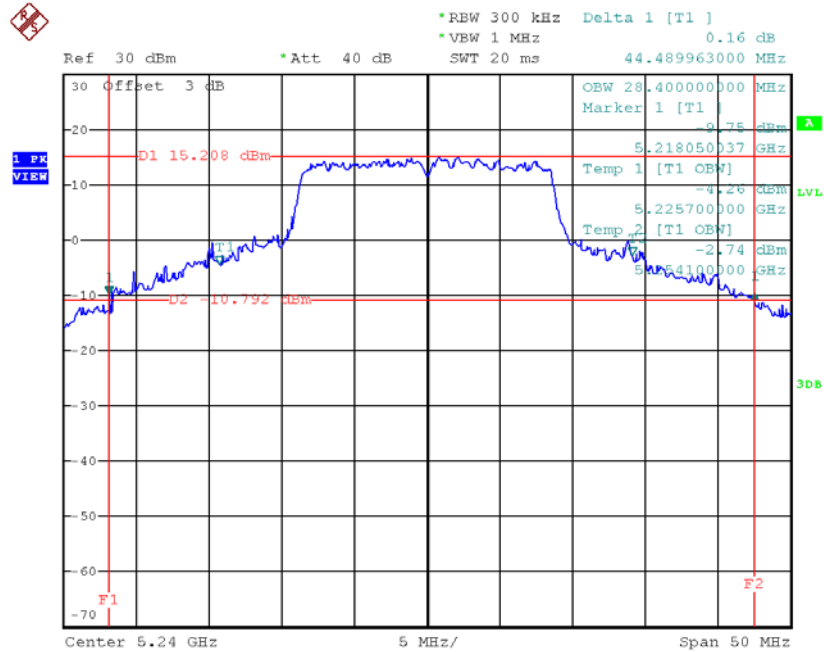
Date: 8.MAY.2018 13:43:36

TX CH40



Date: 8.MAY.2018 13:44:08

TX CH48

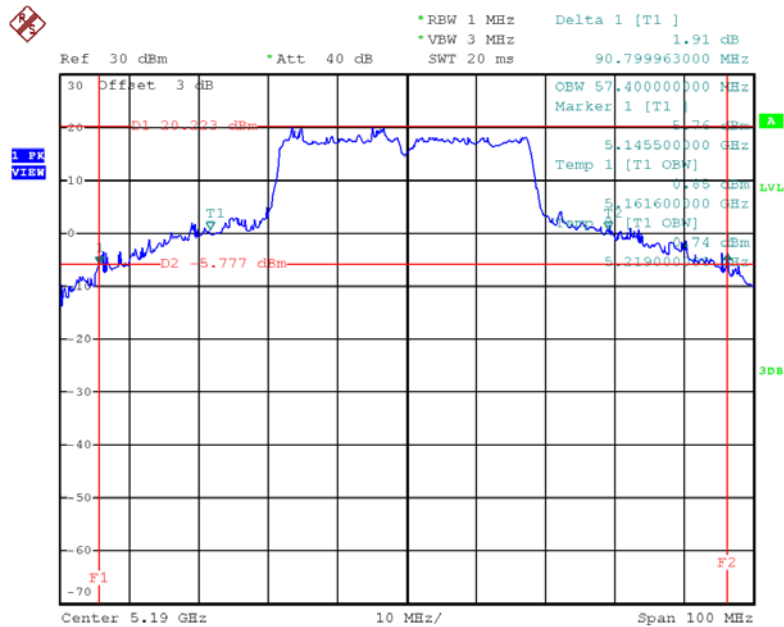


Date: 8.MAY.2018 13:44:38

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

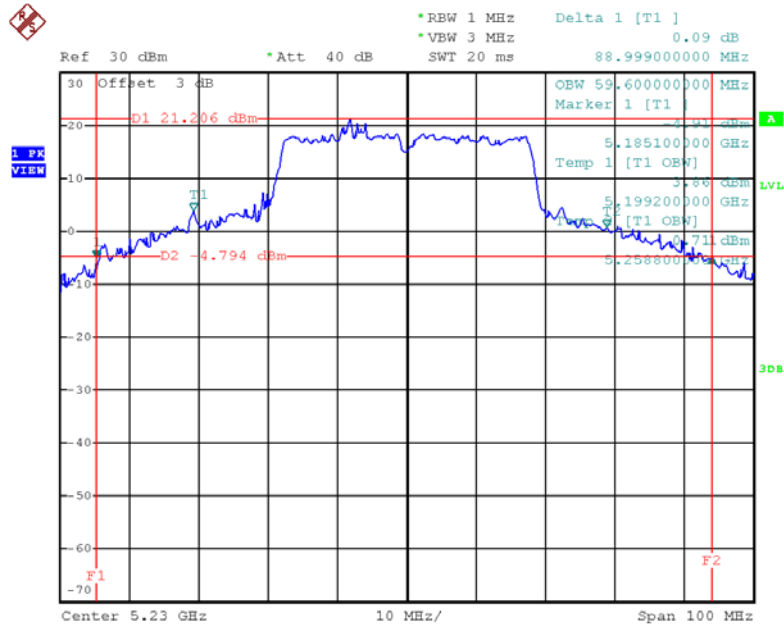
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH38	5190	90.80	57.40
CH46	5230	89.00	59.60

TX CH38



Date: 8.MAY.2018 13:57:47

TX CH46

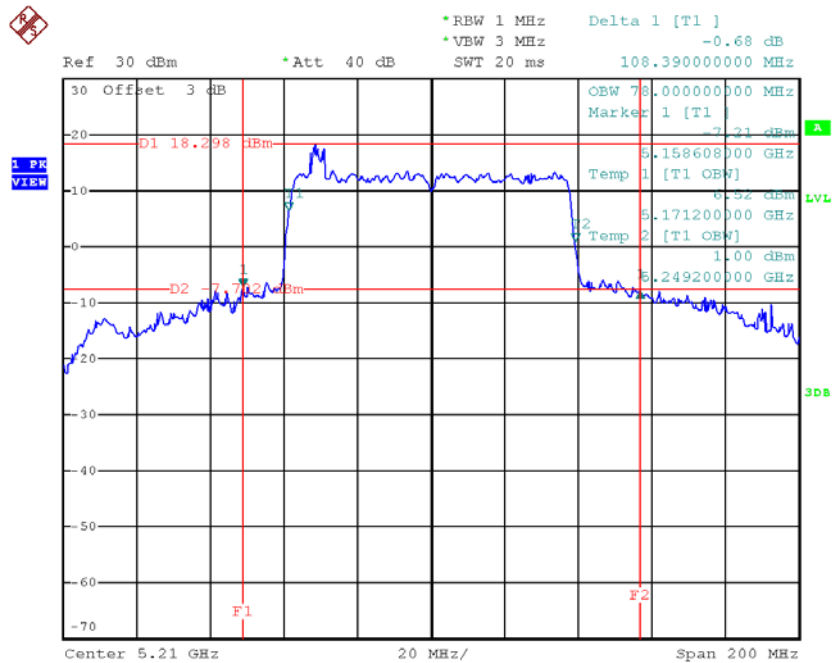


Date: 8.MAY.2018 13:58:57

Test Mode: UNII-1/TX AC80 Mode_CH42

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH42	5210	108.39	78.00

TX CH42

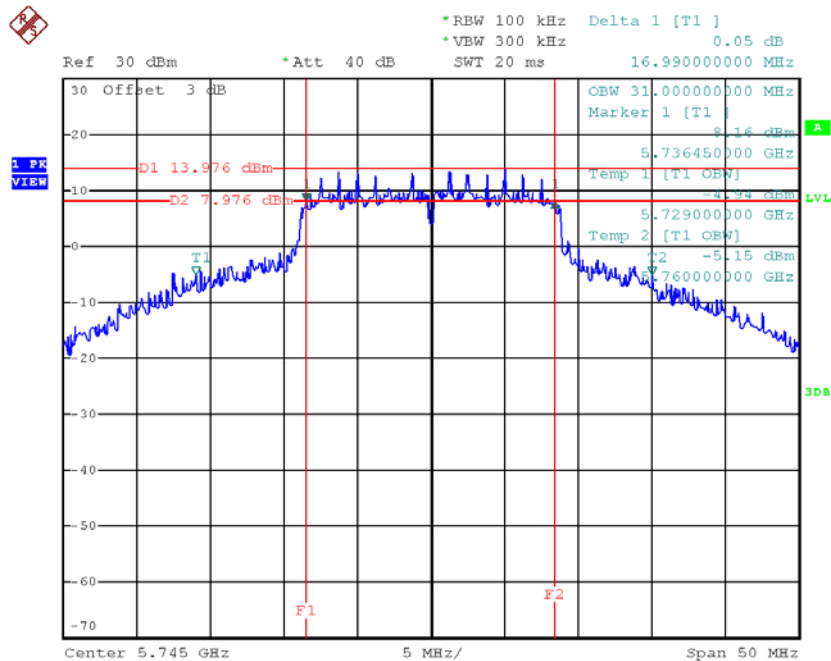


Date: 14.MAY.2018 15:54:06

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

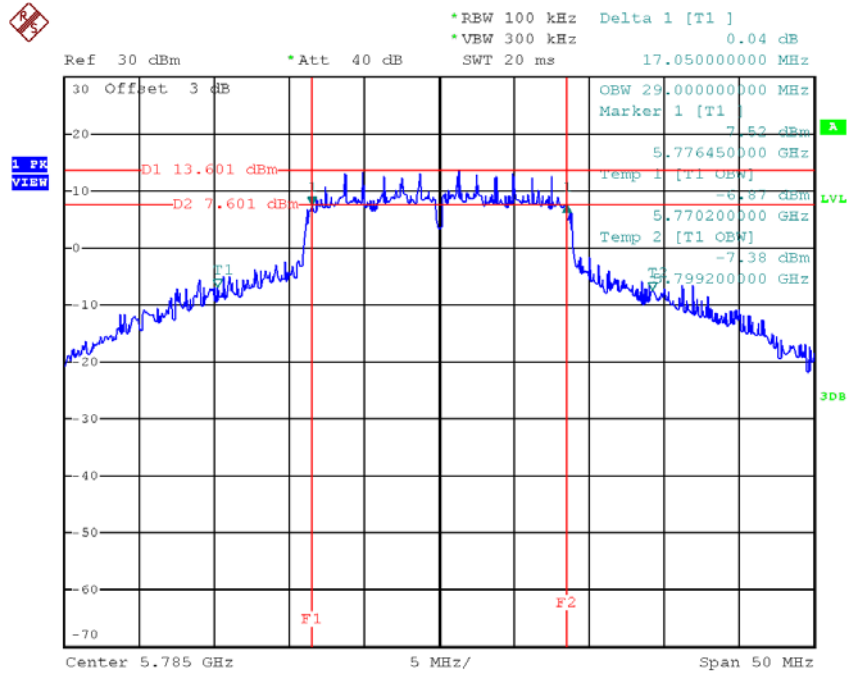
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	16.99	31.00	>=500
CH157	5785	17.05	29.00	>=500
CH165	5825	16.60	29.40	>=500

TX CH 149



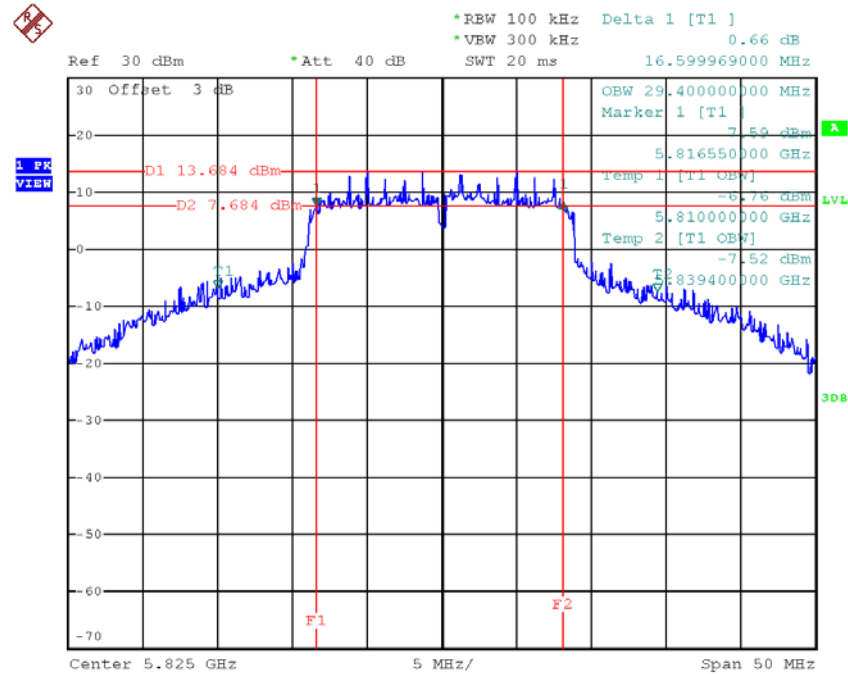
Date: 8.MAY.2018 13:48:16

TX CH 157



Date: 8.MAY.2018 13:49:15

TX CH 165

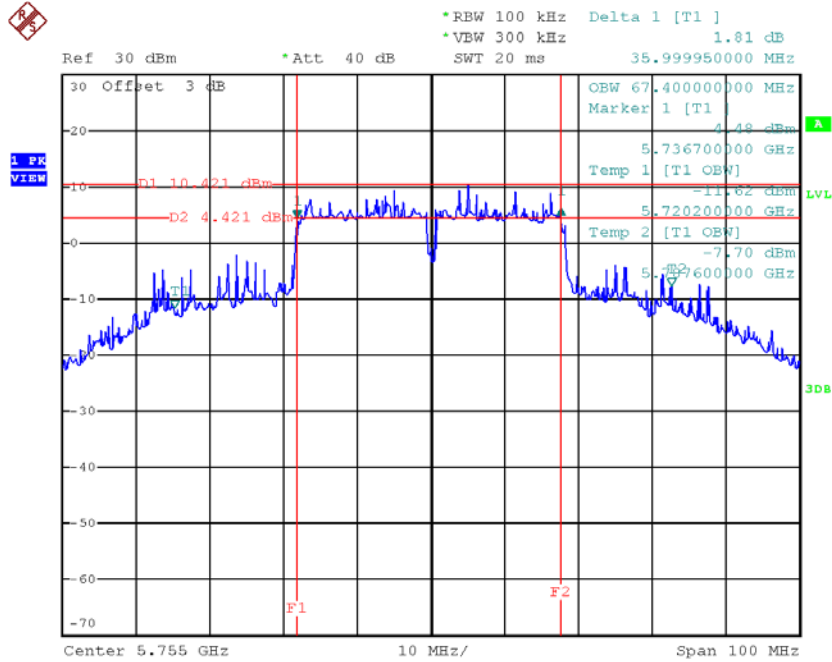


Date: 8.MAY.2018 13:50:06

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

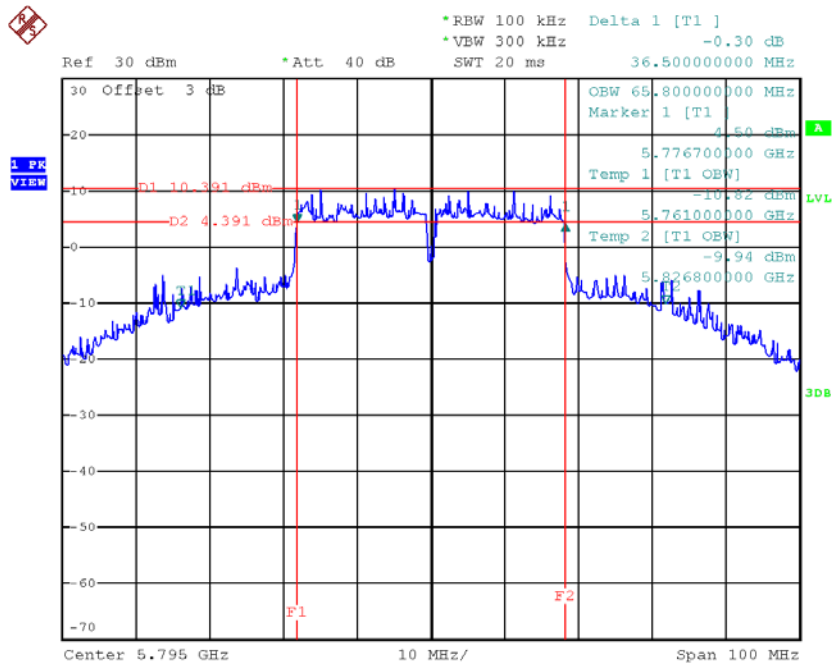
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH151	5755	36.00	67.40	≥ 500
CH159	5795	36.50	65.80	≥ 500

TX CH 151



Date: 8.MAY.2018 14:00:58

TX CH 159

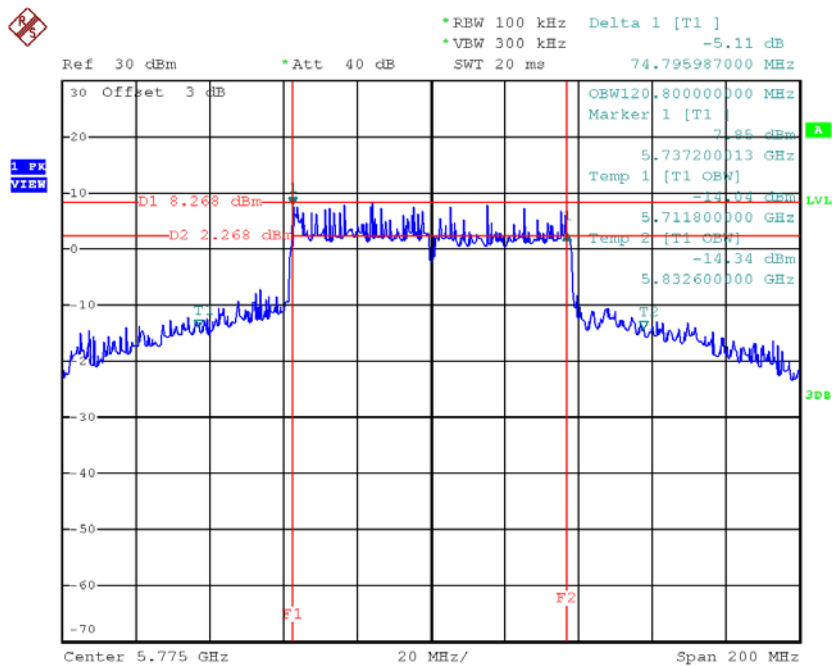


Date: 8.MAY.2018 14:02:40

Test Mode: UNII-3/ TX AC80 Mode_CH155

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH155	5775	74.80	120.80	>=500

TX CH 155



Date: 8.MAY.2018 14:05:00

APPENDIX F - MAXIMUM OUTPUT POWER

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	21.62	0.06	21.68	30.00	1.00
CH40	5200	21.53	0.06	21.59	30.00	1.00
CH48	5240	21.34	0.06	21.40	30.00	1.00

Test Mode: UNII-1/TX AC20 Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	21.09	0.06	21.15	30.00	1.00
CH40	5200	21.11	0.06	21.17	30.00	1.00
CH48	5240	21.37	0.06	21.43	30.00	1.00

Test Mode: UNII-1/TX AC40 Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	14.72	0.10	14.82	30.00	1.00
CH46	5230	21.47	0.10	21.57	30.00	1.00

Test Mode: UNII-1/TX AC80 Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH42	5210	13.01	0.53	13.54	30.00	1.00

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	21.72	0.06	21.78	30.00	1.00
CH157	5785	21.48	0.06	21.54	30.00	1.00
CH165	5825	21.49	0.06	21.55	30.00	1.00

Test Mode: UNII-3/TX AC20 Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	21.51	0.06	21.57	30.00	1.00
CH157	5785	21.23	0.06	21.29	30.00	1.00
CH165	5825	21.35	0.06	21.41	30.00	1.00

Test Mode: UNII-3/TX AC40 Mode

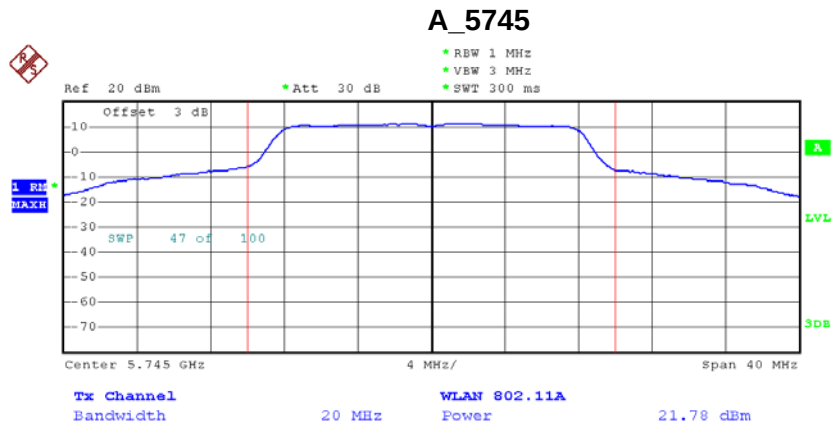
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	21.37	0.10	21.47	30.00	1.00
CH159	5795	21.53	0.10	21.63	30.00	1.00

Test Mode: UNII-3/TX AC80 Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH155	5775	21.16	0.53	21.69	30.00	1.00

Worst case :

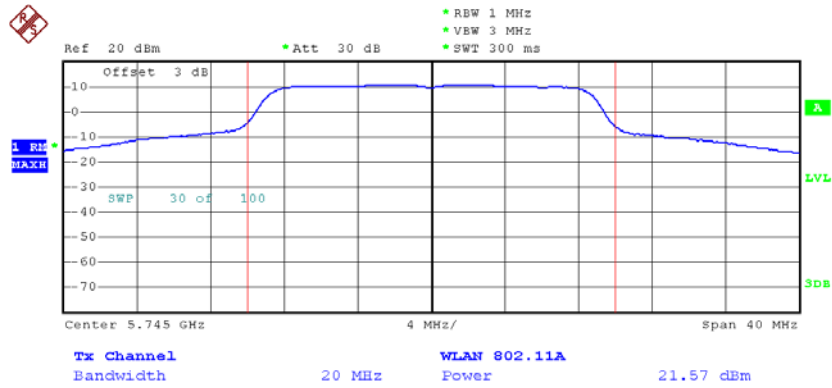
Test Mode: TX A Mode



Date: 15.JUN.2018 10:32:06

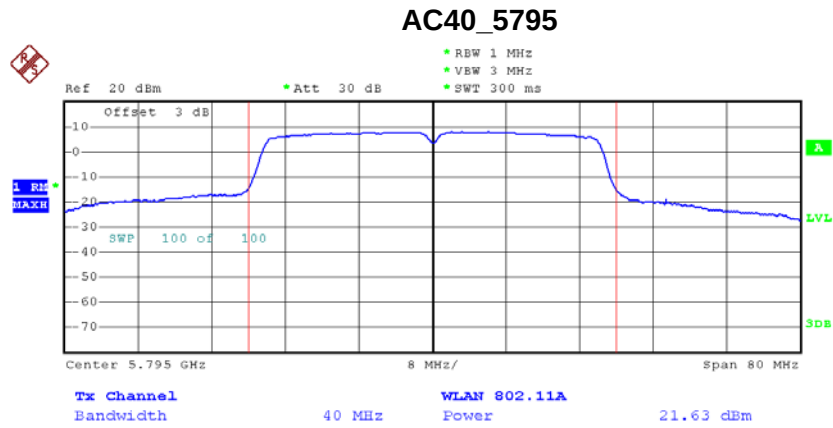
Test Mode: TX AC20 Mode

AC20_5745



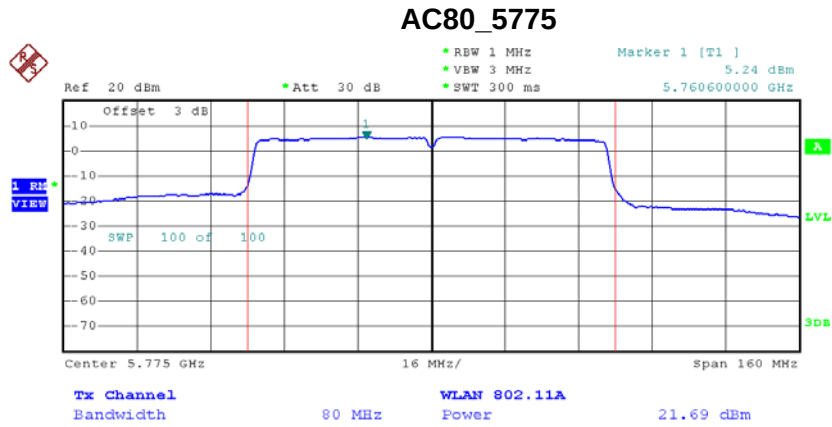
Date: 15.JUN.2018 10:44:05

Test Mode: AC N40 Mode



Date: 15.JUN.2018 16:14:40

Test Mode: TX AC80 Mode

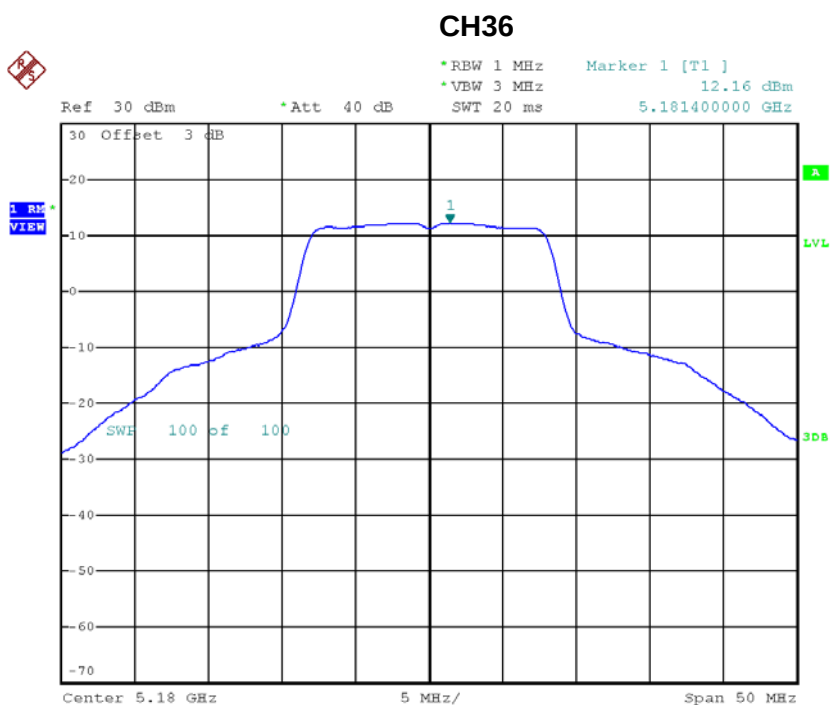


Date: 15.JUN.2018 15:55:43

APPENDIX G - POWER SPECTRAL DENSITY

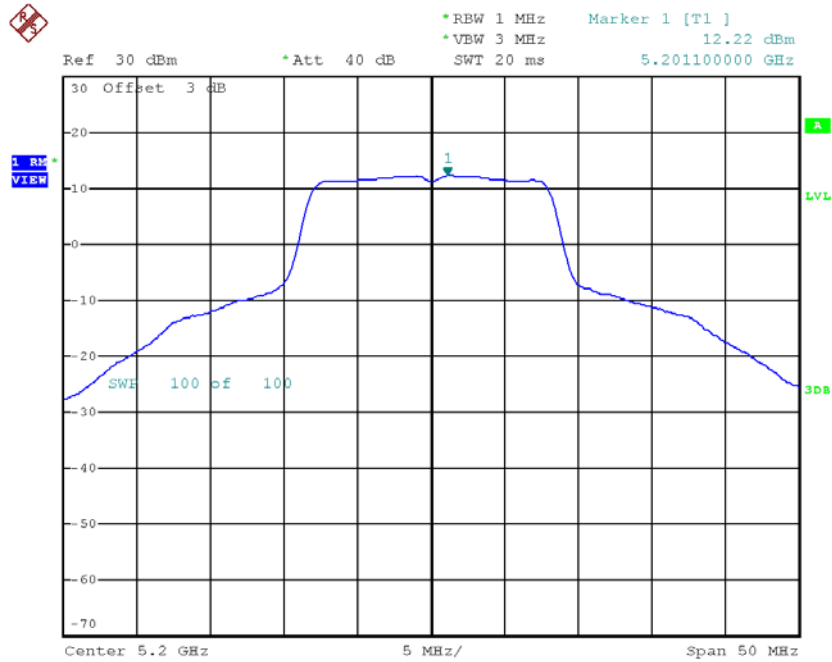
Test Mode: UNII-1/ TX A Mode_CH36/CH40/CH48

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	12.16	0.06	12.22	17.00
CH40	5200	12.22	0.06	12.28	17.00
CH48	5240	12.10	0.06	12.16	17.00



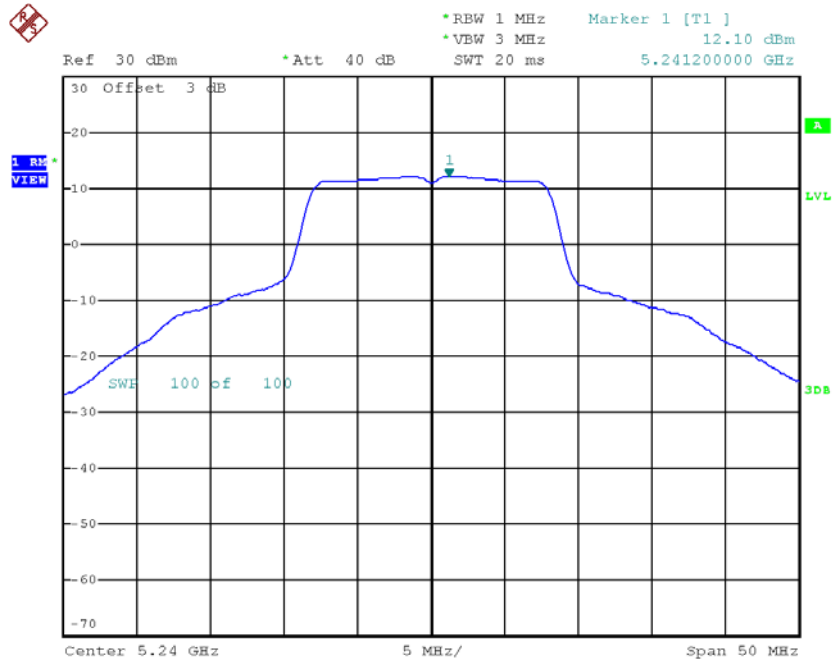
Date: 8.MAY.2018 11:52:46

CH40



Date: 8.MAY.2018 11:53:36

CH48

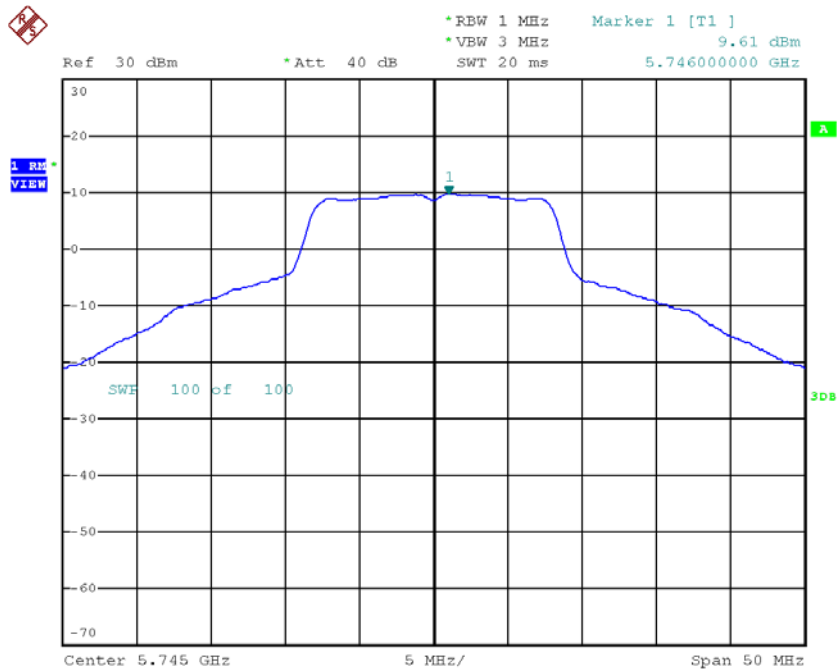


Date: 8.MAY.2018 11:54:19

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

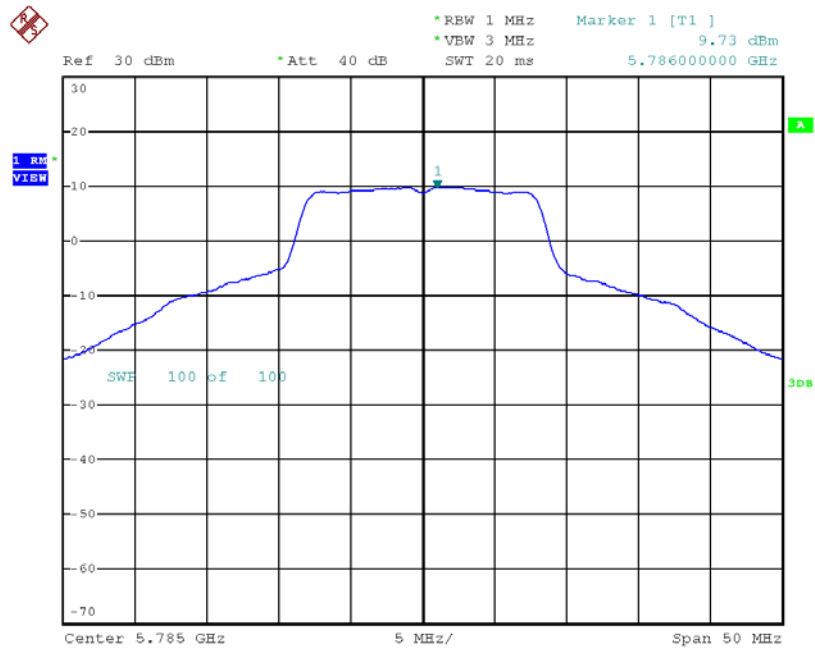
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	9.61	0.06	9.67	30.00
CH157	5785	9.73	0.06	9.79	30.00
CH165	5825	9.71	0.06	9.77	30.00

TX CH149



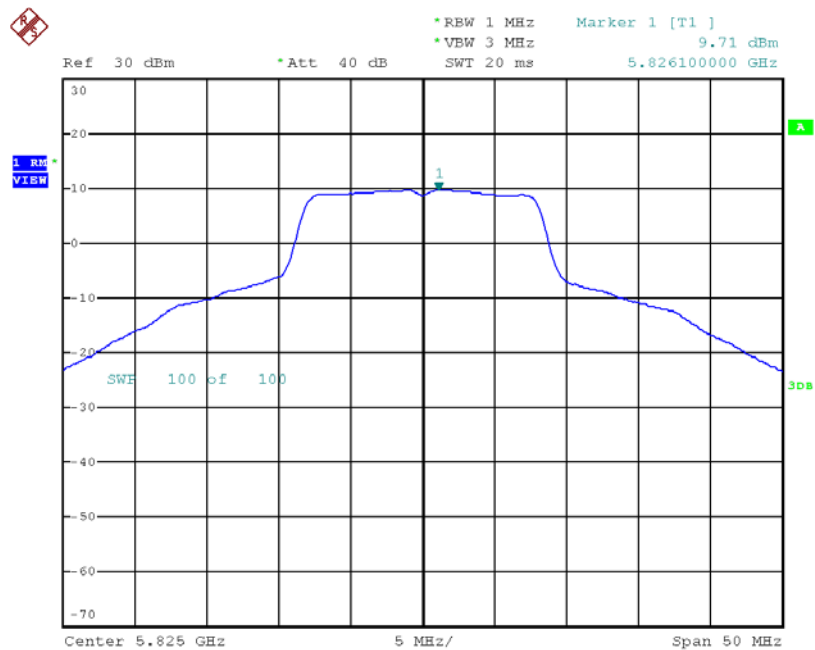
Date: 8.MAY.2018 11:55:11

TX CH157



Date: 8.MAY.2018 11:56:07

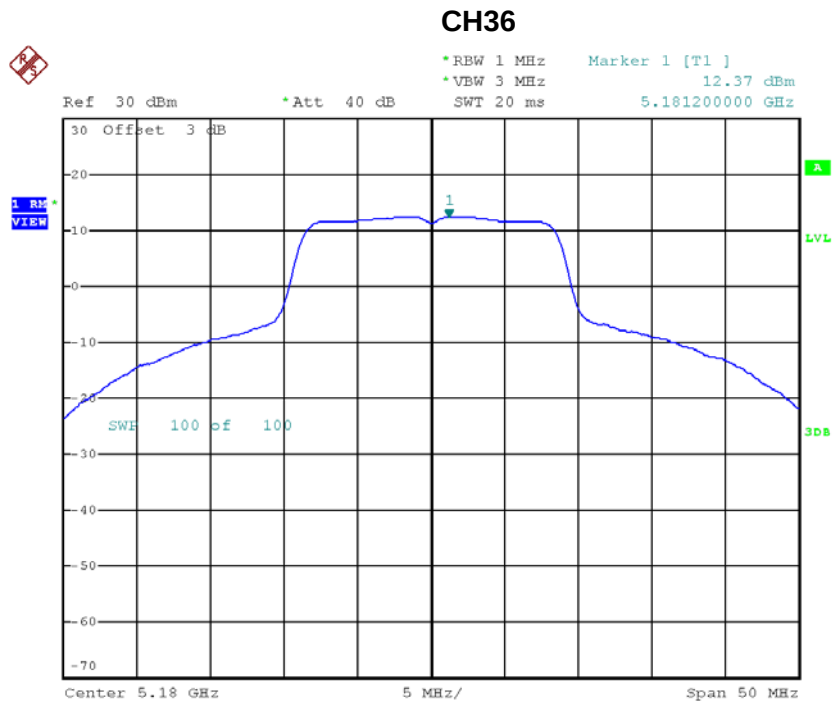
TX CH165



Date: 8.MAY.2018 11:56:59

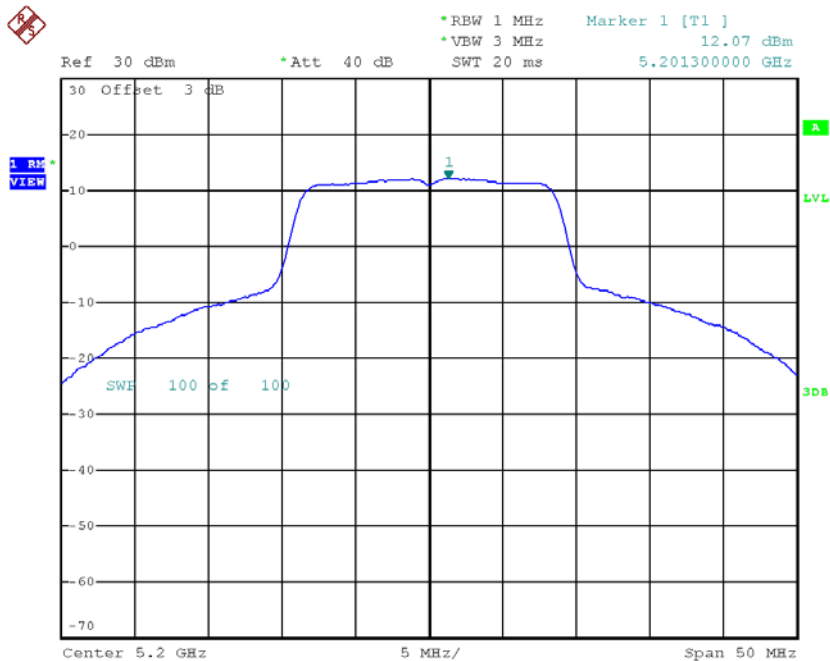
Test Mode: UNII-1/TX AC20 Mode_CH36/CH40/CH48

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	12.37	0.06	12.43	17.00
CH40	5200	12.07	0.06	12.13	17.00
CH48	5240	11.93	0.06	11.99	17.00



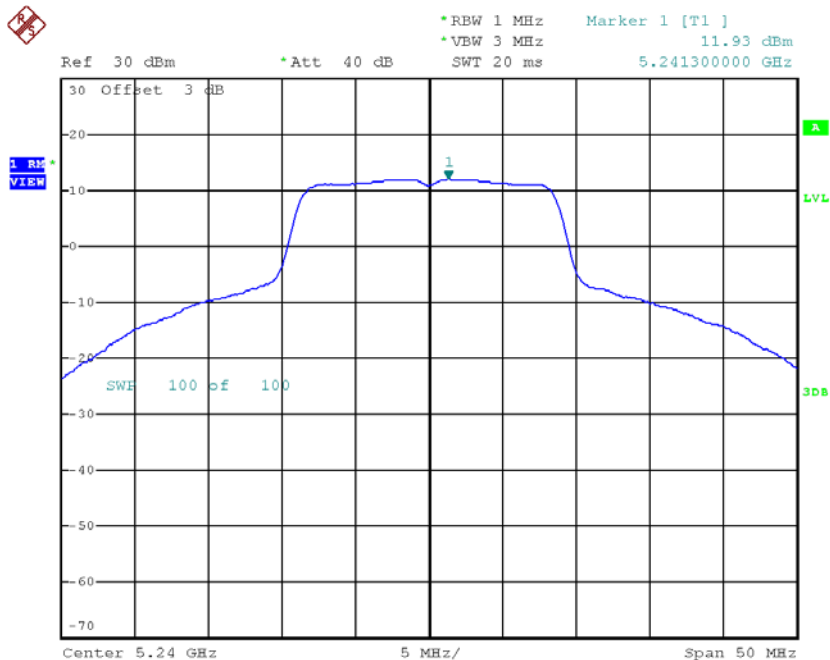
Date: 8.MAY.2018 13:43:44

CH40



Date: 8.MAY.2018 13:44:16

CH48

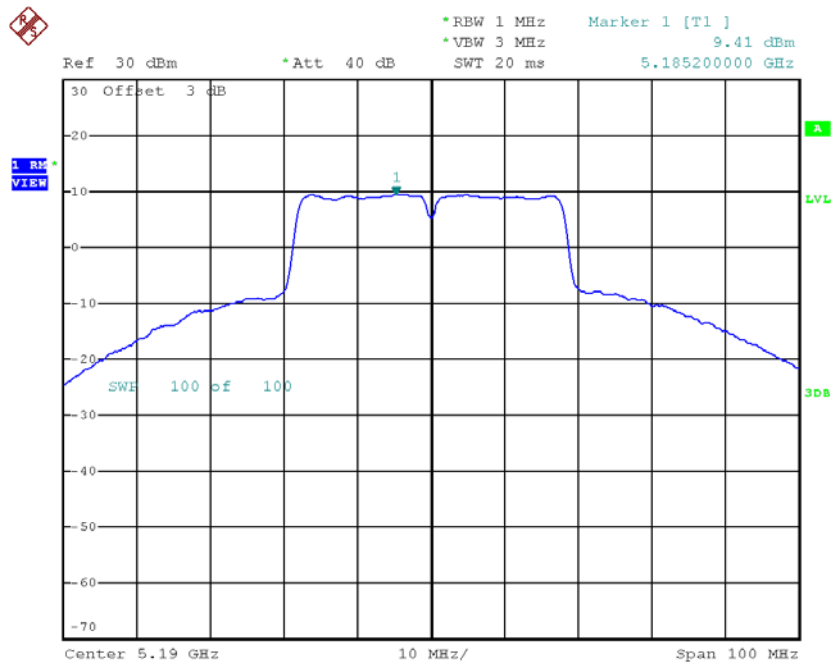


Date: 8.MAY.2018 13:44:47

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

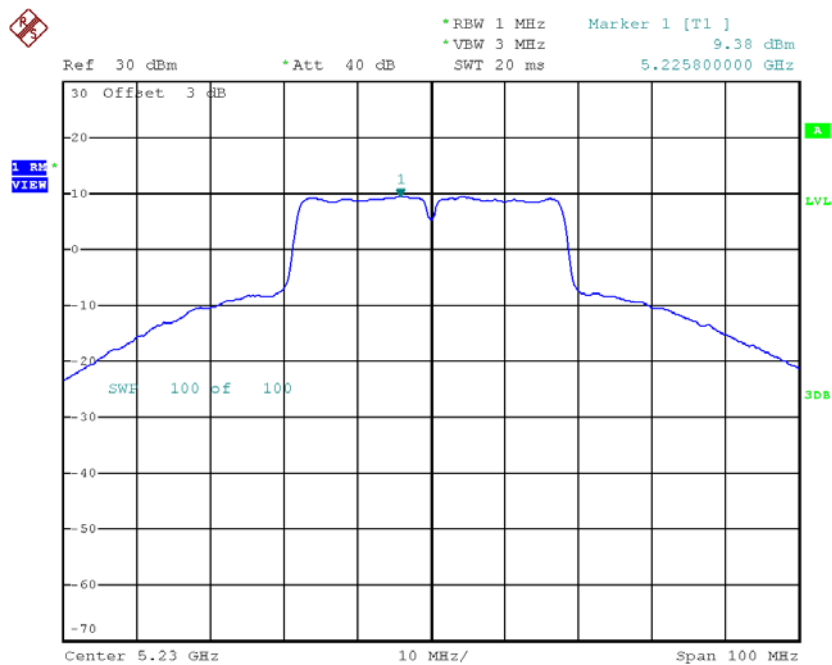
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	9.41	0.10	9.51	17.00
CH46	5230	9.38	0.10	9.48	17.00

CH38



Date: 8.MAY.2018 13:57:59

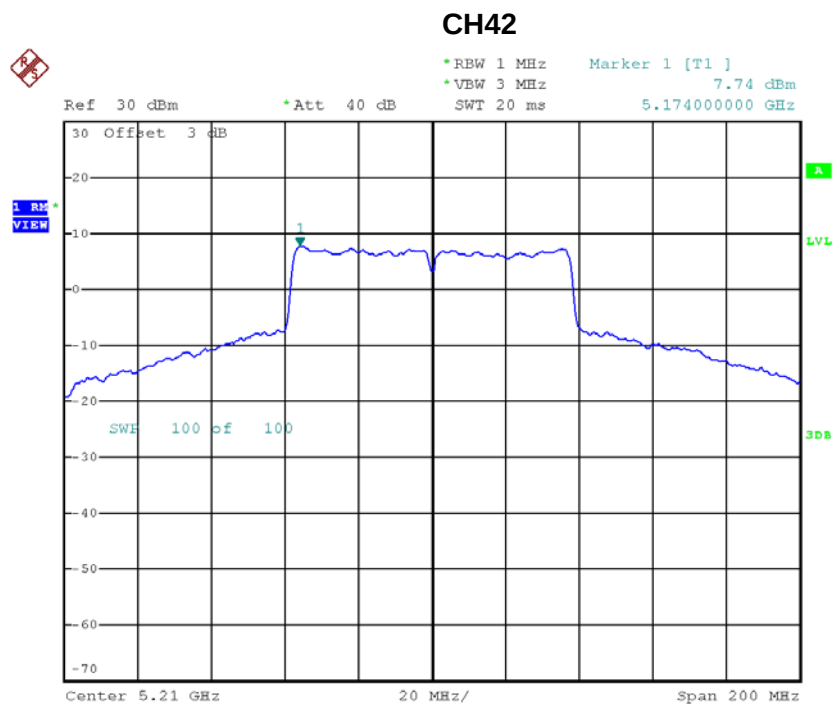
CH46



Date: 8.MAY.2018 13:59:09

Test Mode: UNII-1/TX AC80 Mode_CH42

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH42	5210	7.74	0.53	8.27	17.00

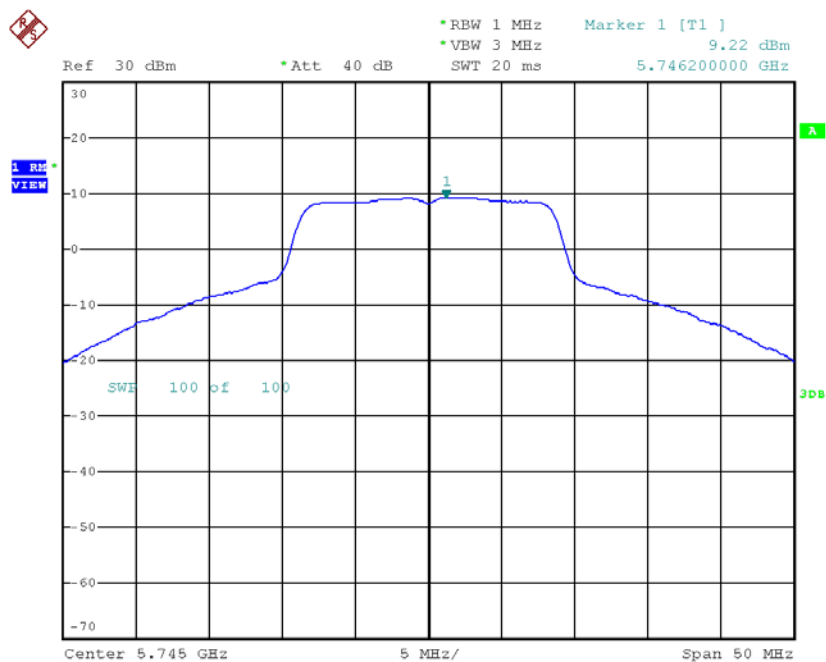


Date: 8.MAY.2018 14:03:38

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

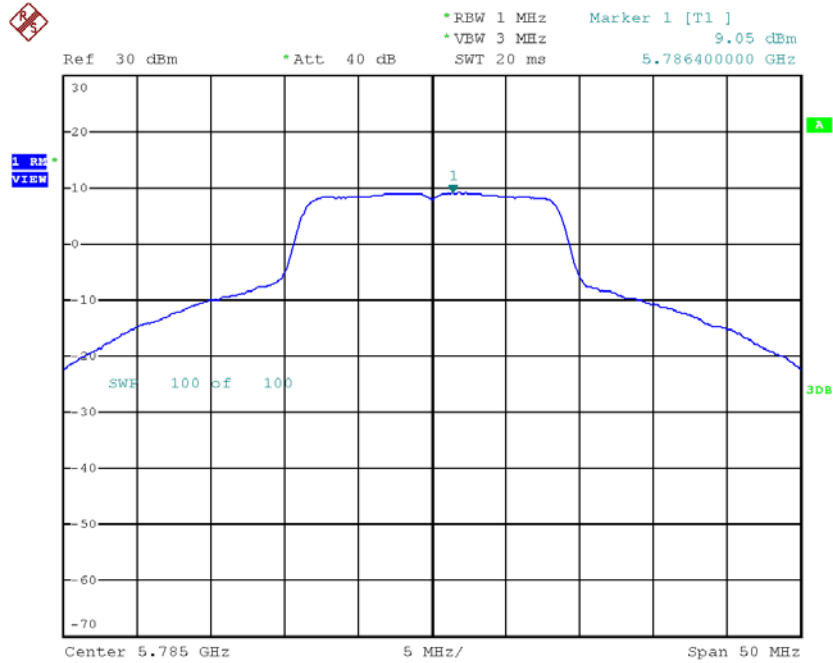
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	9.22	0.06	9.28	30.00
CH157	5785	9.05	0.06	9.11	30.00
CH165	5825	9.28	0.06	9.34	30.00

TX CH149



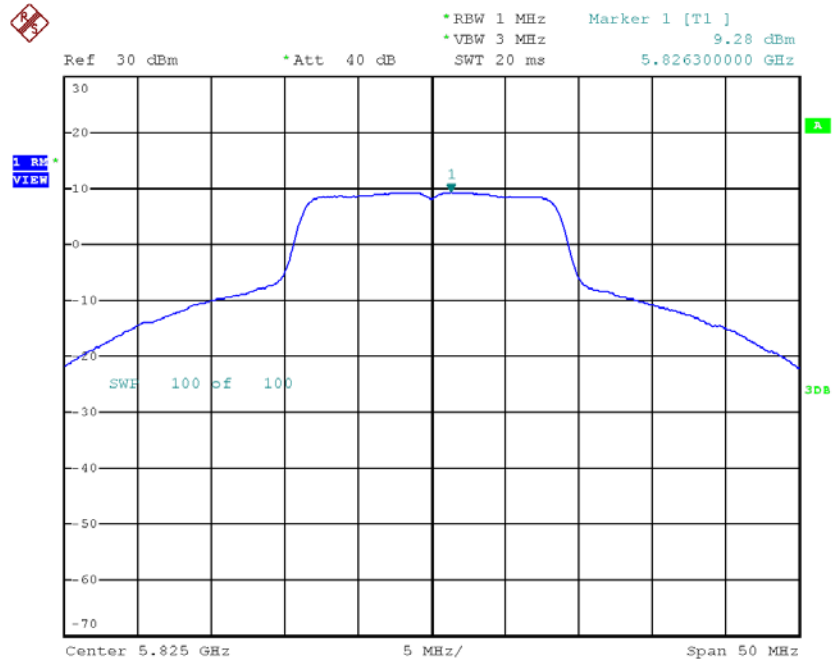
Date: 8.MAY.2018 13:48:25

TX CH157



Date: 8.MAY.2018 13:49:23

TX CH165

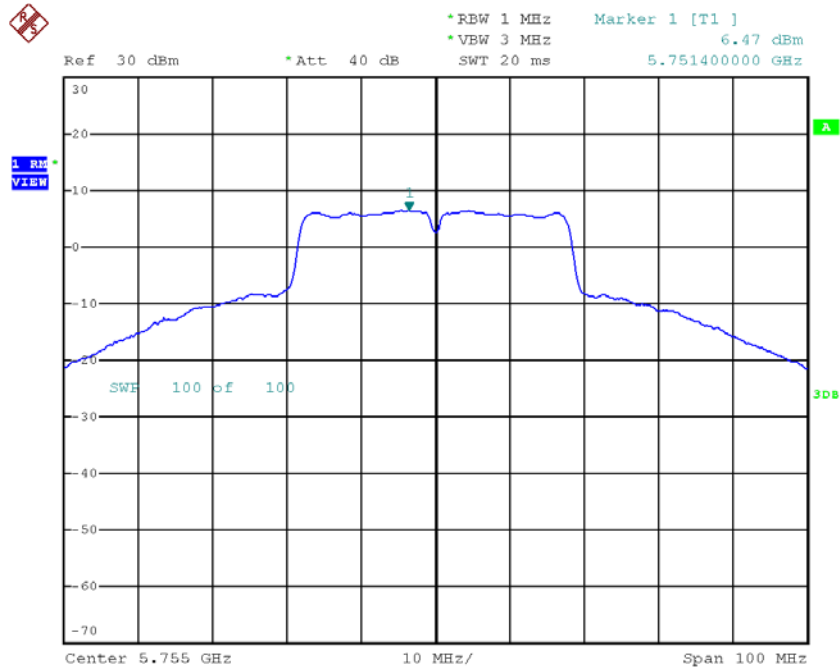


Date: 8.MAY.2018 13:50:15

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

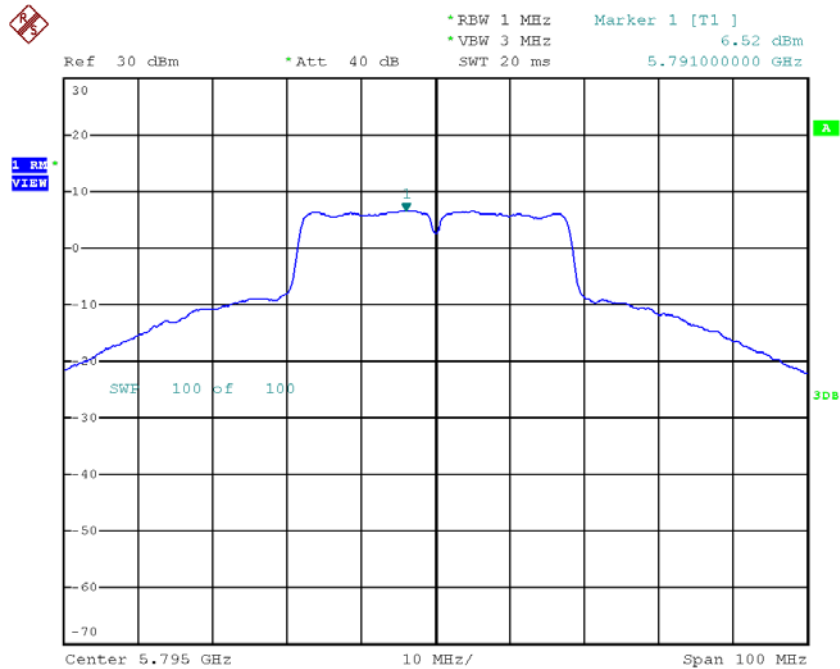
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH151	5755	6.47	0.10	6.57	30.00
CH159	5795	6.52	0.10	6.62	30.00

TX CH151



Date: 8.MAY.2018 14:01:10

TX CH159

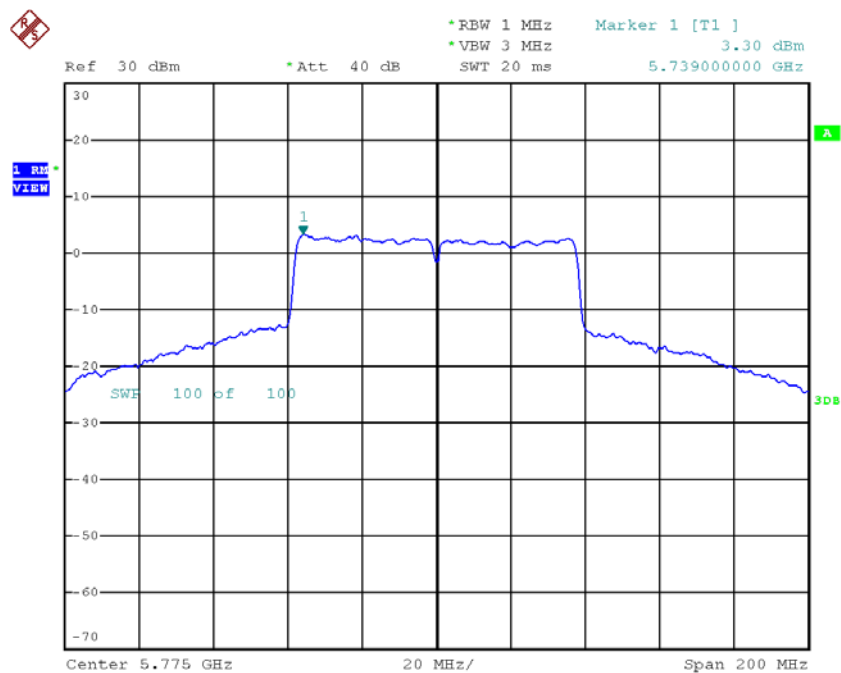


Date: 8.MAY.2018 14:02:51

Test Mode: UNII-3/ TX AC80 Mode_CH155

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH155	5775	3.30	0.53	3.83	30.00

TX CH155



Date: 8.MAY.2018 14:05:12

APPENDIX H - FREQUENCY STABILITY

Test Mode:	UNII-1
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Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5180.0000
132	5179.9600
120	5179.9799
108	5179.9800
Max. Deviation (MHz)	0.0400
Max. Deviation (ppm)	7.7220

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(°C)	5180.0000
0	5179.9799
10	5179.9599
20	5179.9750
30	5179.9800
40	5179.9799
Max. Deviation (MHz)	0.0401
Max. Deviation (ppm)	7.7413

Test Mode:	UNII-3
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Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5745.0000
132	5744.9750
120	5744.9600
108	5744.9599
Max. Deviation (MHz)	0.0401
Max. Deviation (ppm)	6.9800

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(°C)	5745.0000
0	5744.9599
10	5744.9600
20	5744.9750
30	5744.9599
40	5744.9600
Max. Deviation (MHz)	0.0401
Max. Deviation (ppm)	6.9800