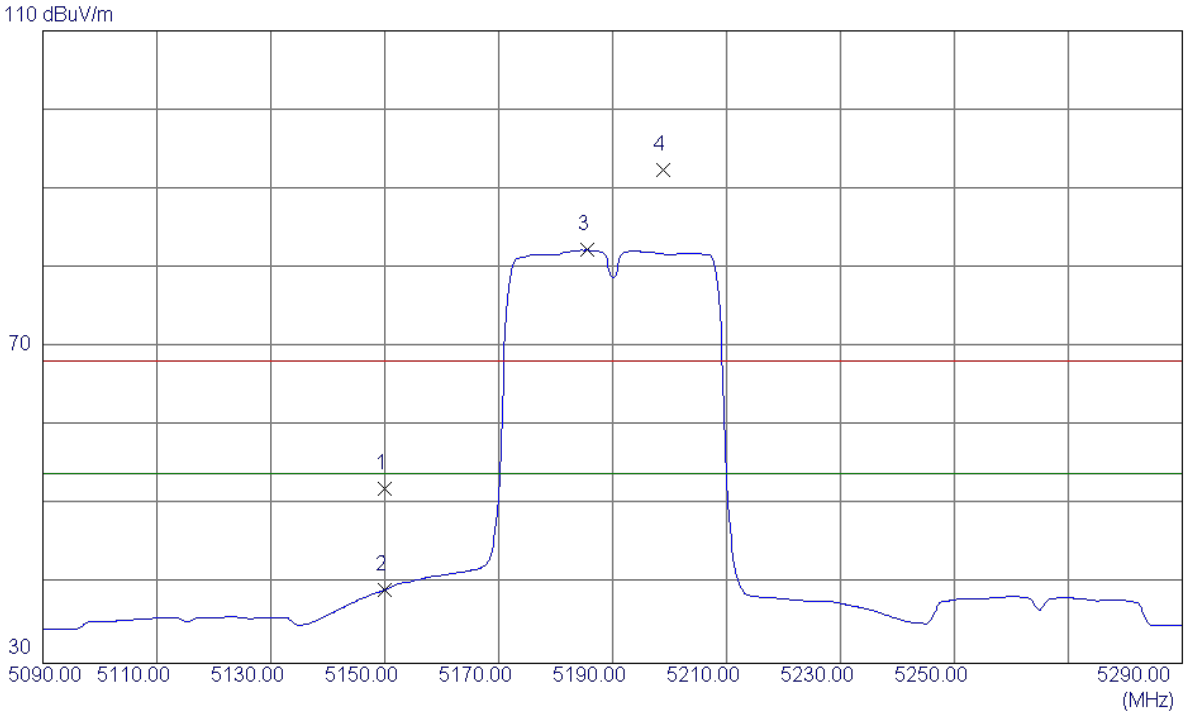
Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC40 Mode 5190MHz

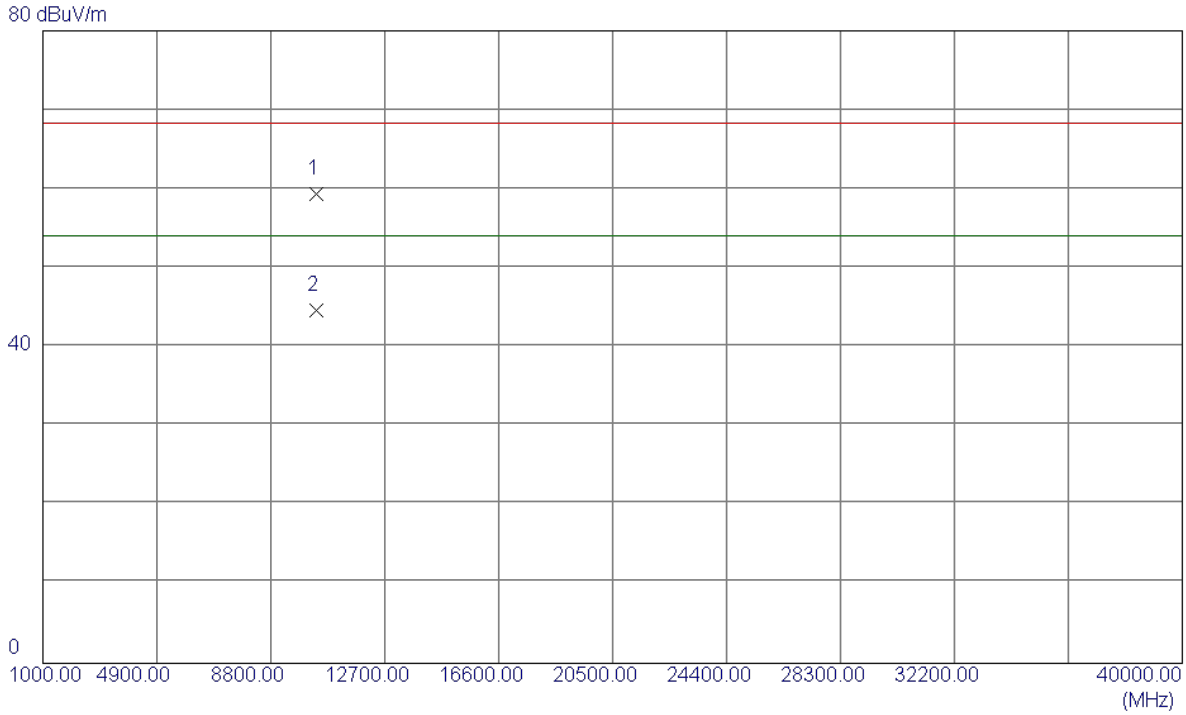
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	11.88	40.22	52.10	68.30	-16.20	Peak	
2	5150.0000	-0.93	40.22	39.29	54.00	-14.71	AVG	
3	5185.6000	41.96	40.29	82.25	54.00	28.25	AVG	No Limit
4	5198.8000	52.11	40.32	92.43	68.30	24.13	Peak	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC40 Mode 5190MHz

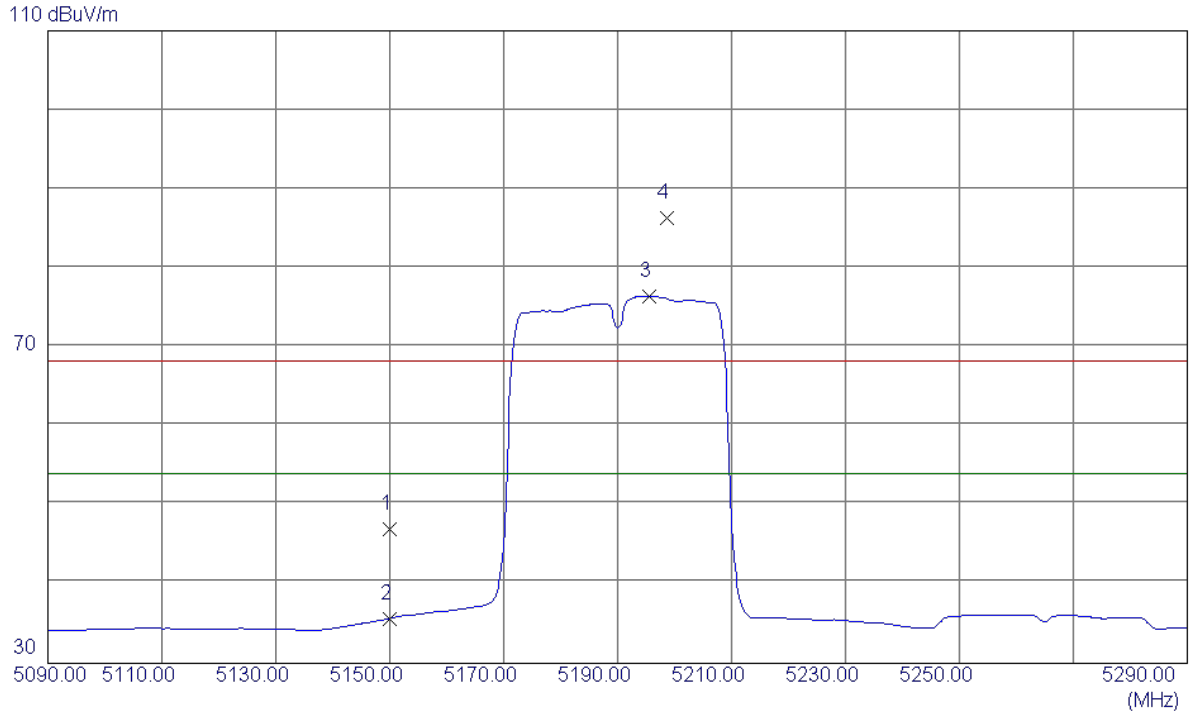
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10380.5000	44.96	14.37	59.33	68.30	-8.97	Peak	
2	10380.5000	30.27	14.37	44.64	54.00	-9.36	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC40 Mode 5190MHz

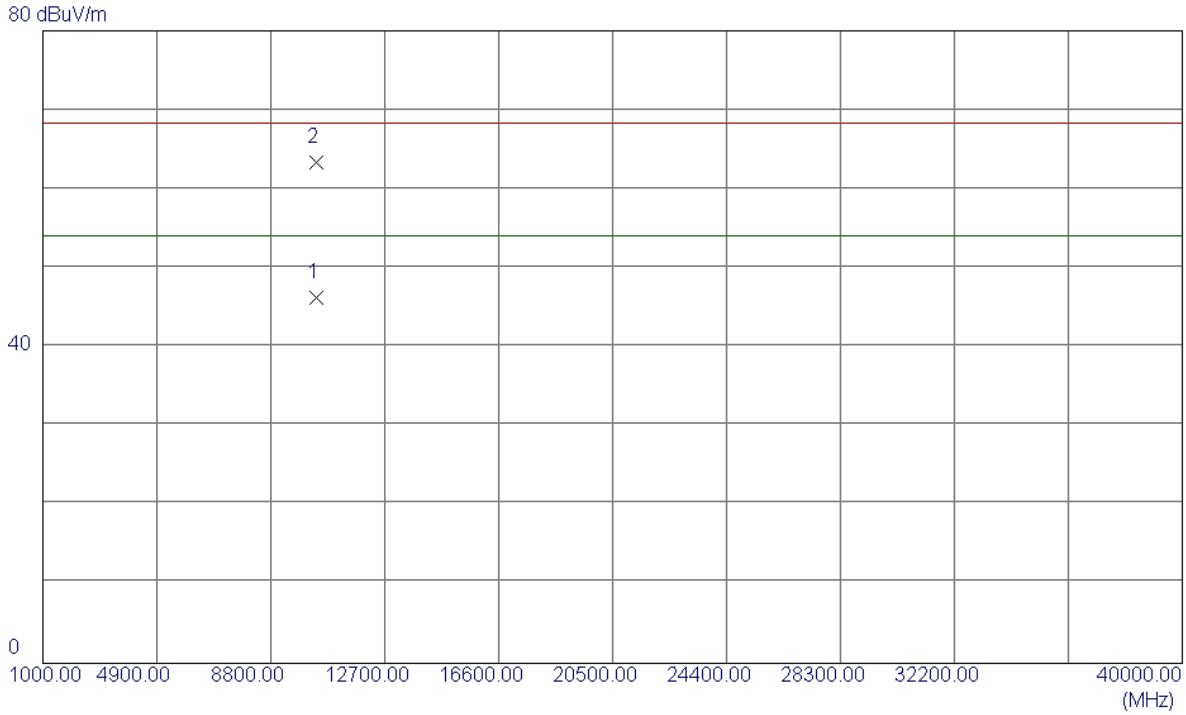
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	6.71	40.22	46.93	68.30	-21.37	Peak	
2	5150.0000	-4.56	40.22	35.66	54.00	-18.34	AVG	
3	5195.6000	36.12	40.31	76.43	54.00	22.43	AVG	No Limit
4	5198.6000	46.02	40.32	86.34	68.30	18.04	Peak	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC40 Mode 5190MHz

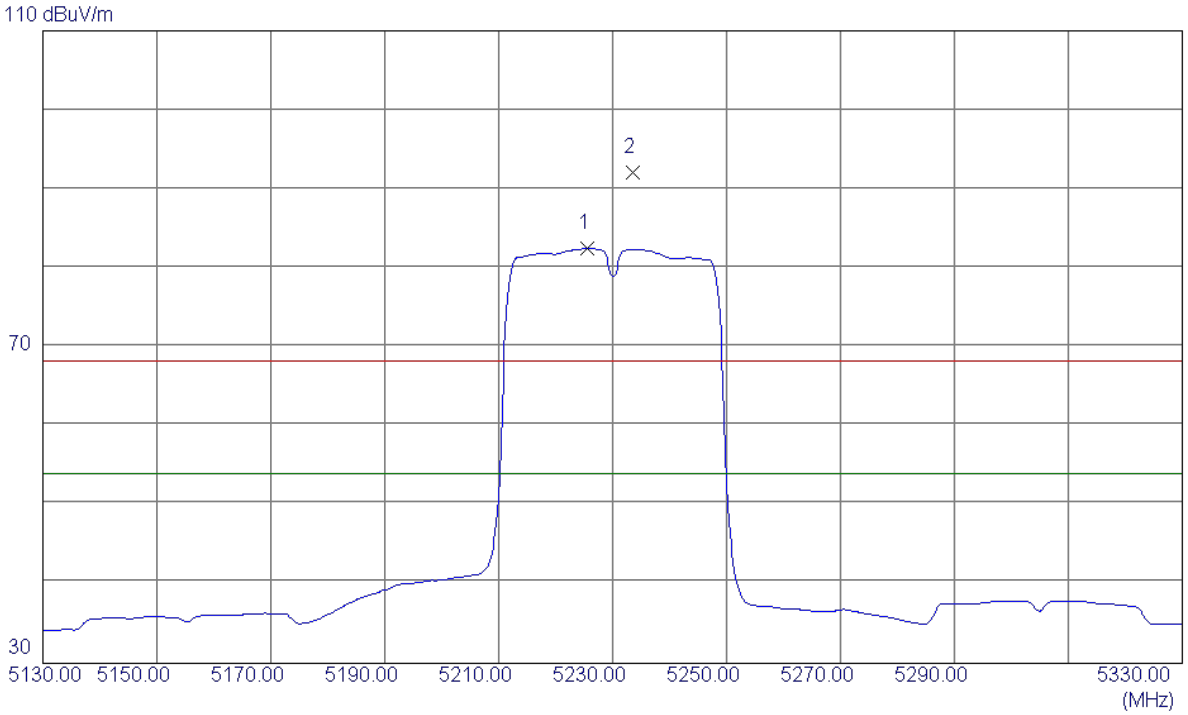
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10380.2000	31.89	14.37	46.26	54.00	-7.74	AVG	
2	10380.7000	48.97	14.37	63.34	68.30	-4.96	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC40 Mode 5230MHz

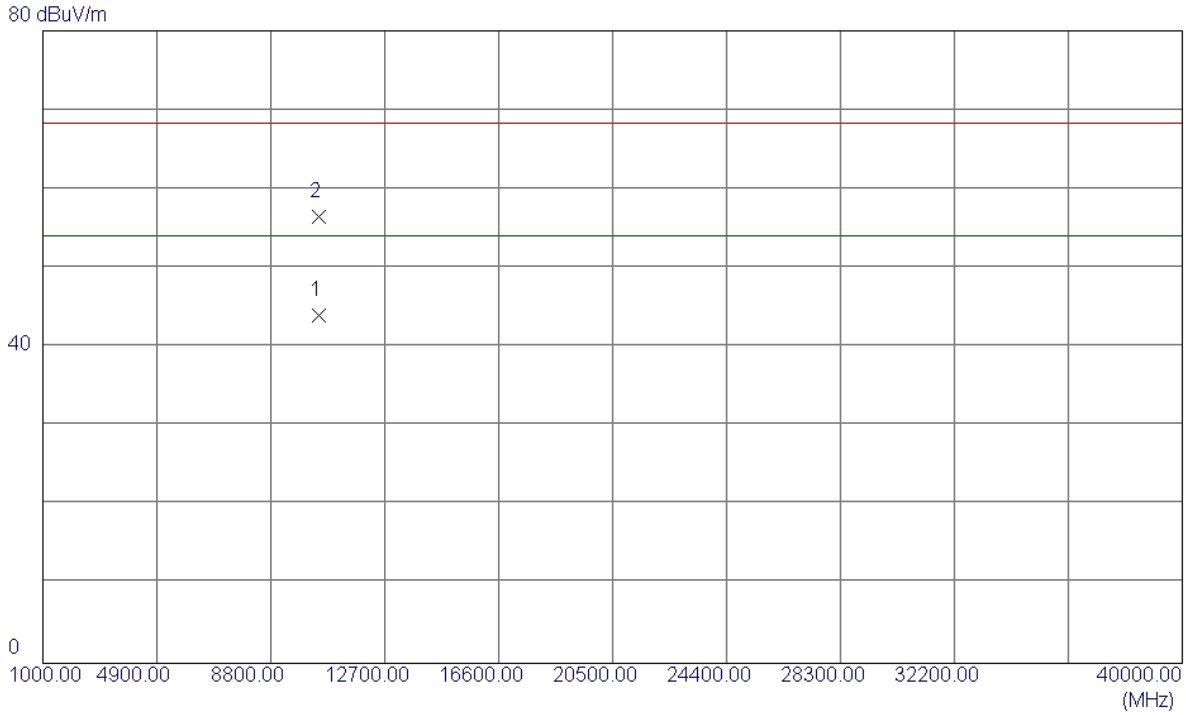
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5225.6000	42.07	40.38	82.45	54.00	28.45	AVG	No Limit
2	5233.6000	51.68	40.40	92.08	68.30	23.78	Peak	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC40 Mode 5230MHz

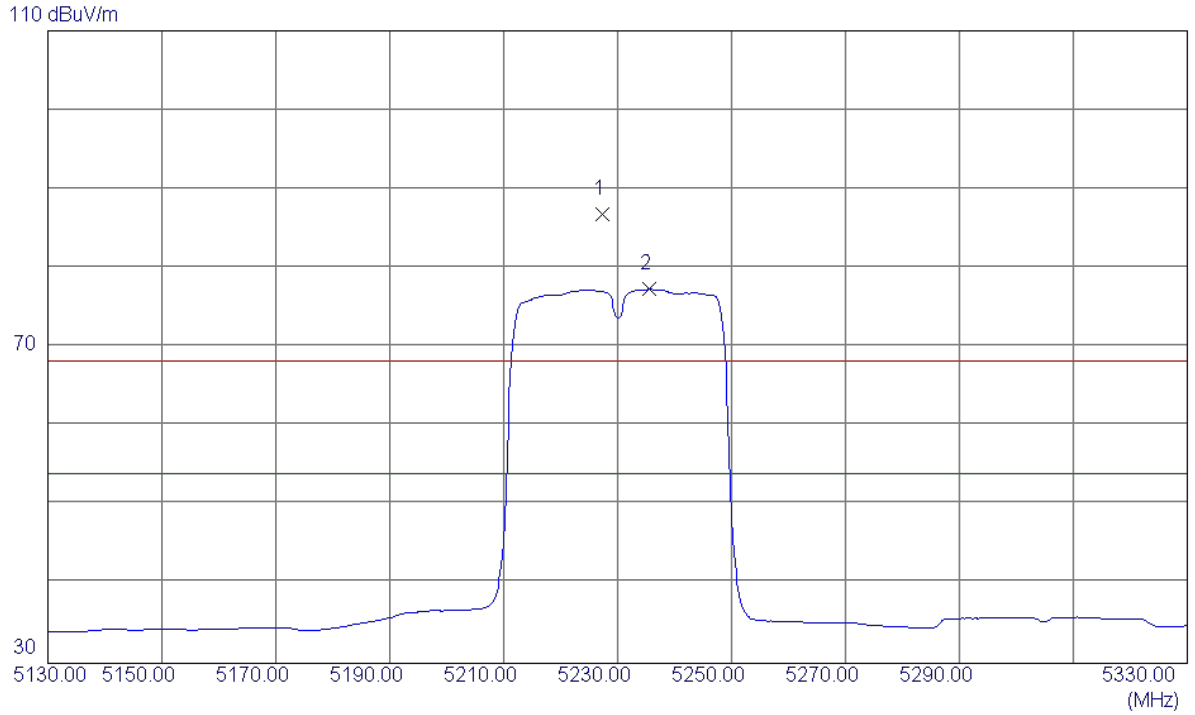
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10460.0000	29.43	14.52	43.95	54.00	-10.05	AVG	
2	10460.5000	41.97	14.52	56.49	68.30	-11.81	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC40 Mode 5230MHz

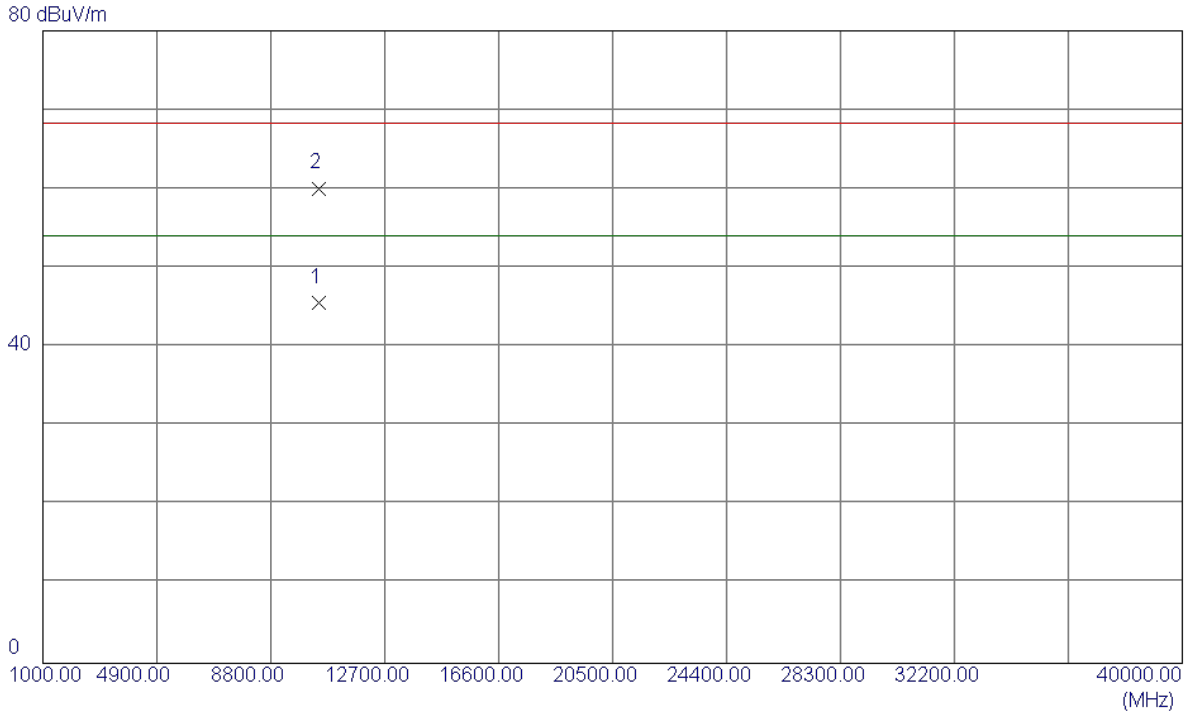
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5227.4000	46.35	40.38	86.73	68.30	18.43	Peak	No Limit
2	5235.6000	36.90	40.40	77.30	54.00	23.30	AVG	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC40 Mode 5230MHz

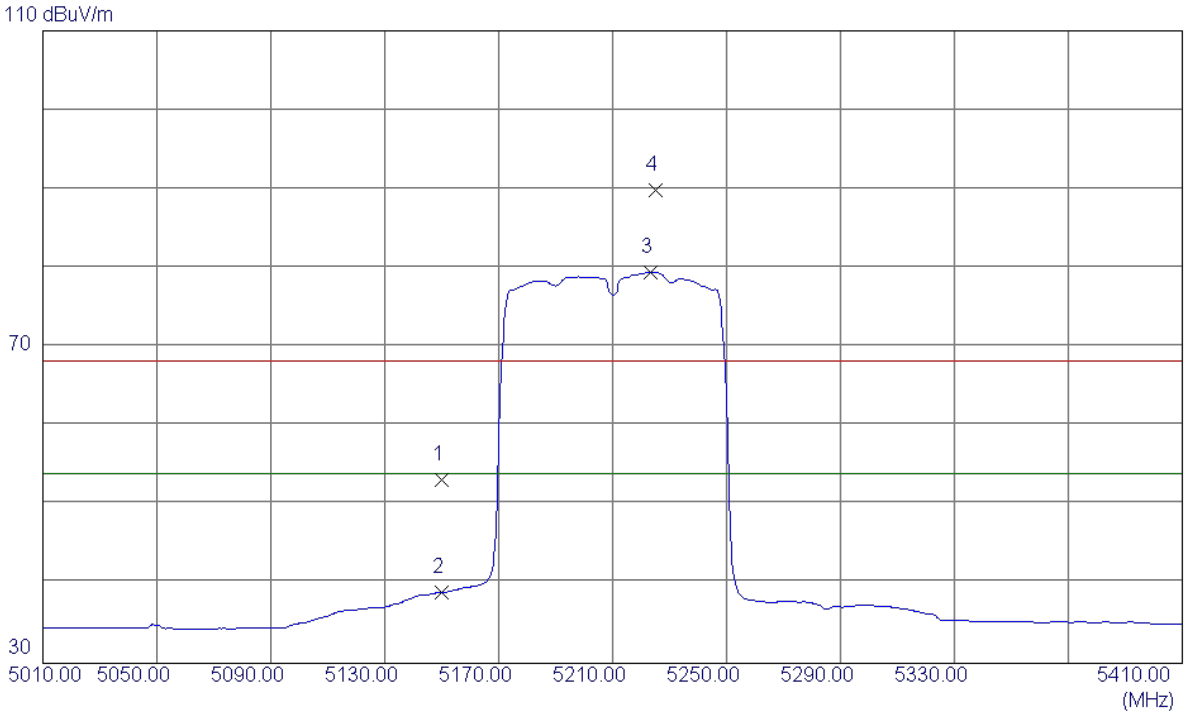
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10460.7000	31.09	14.52	45.61	54.00	-8.39	AVG	
2	10461.2000	45.56	14.52	60.08	68.30	-8.22	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC80 Mode 5210MHz

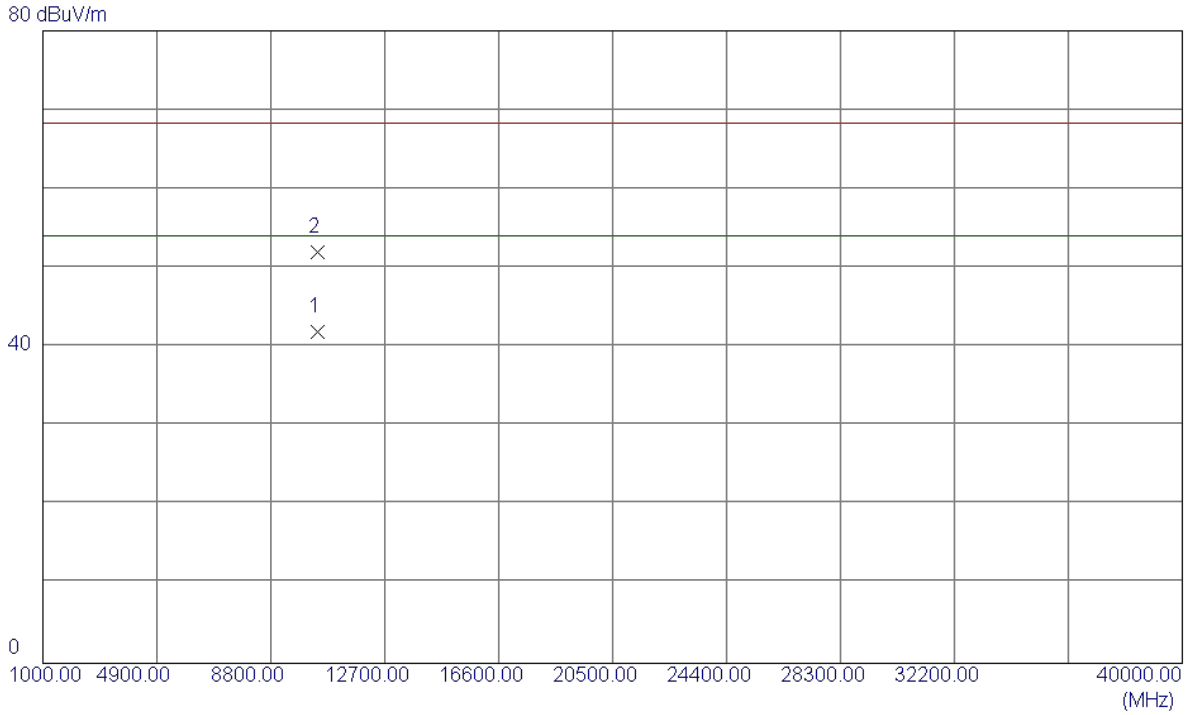
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	12.94	40.22	53.16	68.30	-15.14	Peak	
2	5150.0000	-1.28	40.22	38.94	54.00	-15.06	AVG	
3	5223.2000	39.13	40.37	79.50	54.00	25.50	AVG	No Limit
4	5225.2000	49.53	40.38	89.91	68.30	21.61	Peak	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC80 Mode 5210MHz

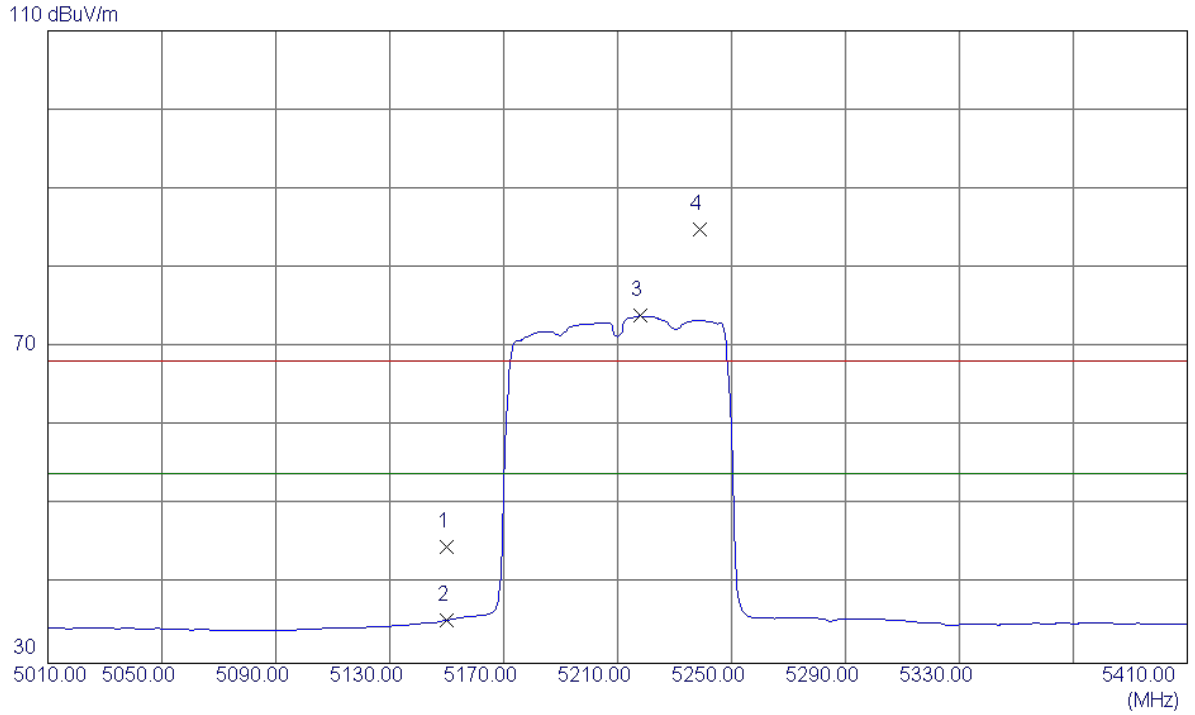
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10423.6000	27.47	14.45	41.92	54.00	-12.08	AVG	
2	10419.6000	37.61	14.44	52.05	68.30	-16.25	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC80 Mode 5210MHz

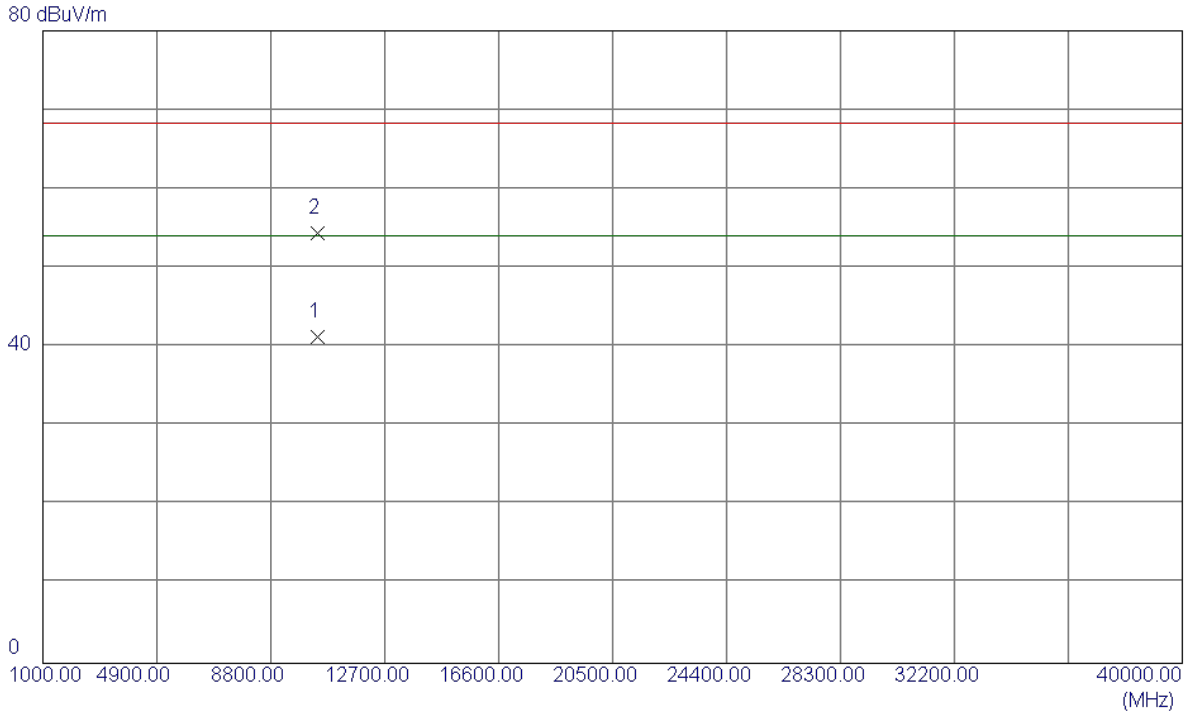
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5150.0000	4.55	40.22	44.77	68.30	-23.53	Peak	
2	5150.0000	-4.77	40.22	35.45	54.00	-18.55	AVG	
3	5218.0000	33.58	40.36	73.94	54.00	19.94	AVG	No Limit
4	5238.8000	44.43	40.41	84.84	68.30	16.54	Peak	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC80 Mode 5210MHz

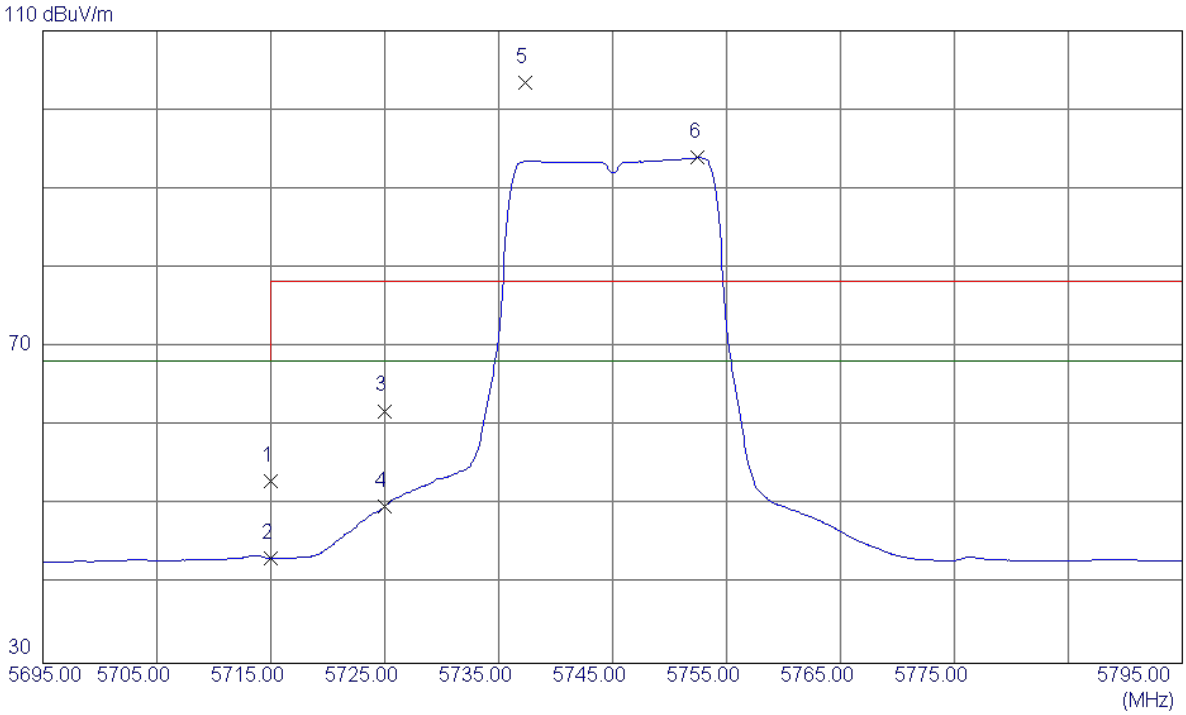
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	10420.4000	26.85	14.44	41.29	54.00	-12.71	AVG	
2	10420.4000	40.01	14.44	54.45	68.30	-13.85	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5745MHz

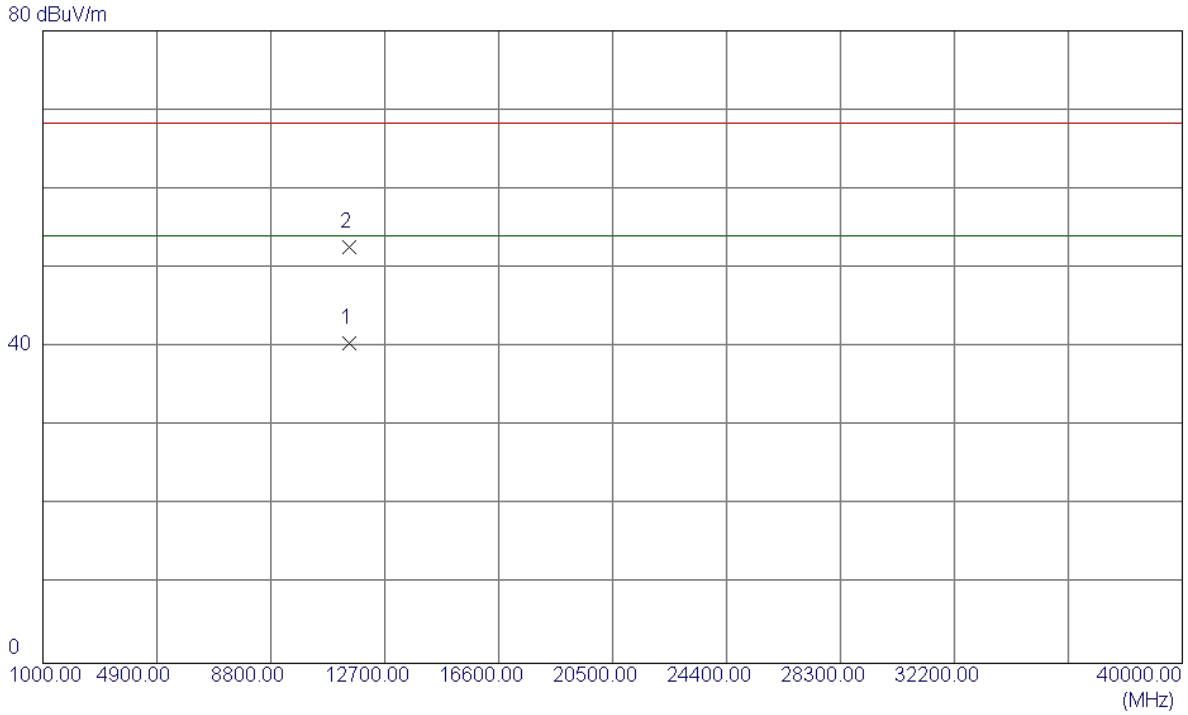
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	11.83	41.25	53.08	68.30	-15.22	Peak	
2	5715.0000	1.97	41.25	43.22	68.30	-25.08	AVG	
3	5725.0000	20.65	41.27	61.92	78.30	-16.38	Peak	
4	5725.0000	8.58	41.27	49.85	68.30	-18.45	AVG	
5	5737.3000	62.18	41.28	103.46	78.30	25.16	Peak	No Limit
6	5752.5000	52.65	41.30	93.95	68.30	25.65	AVG	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5745MHz

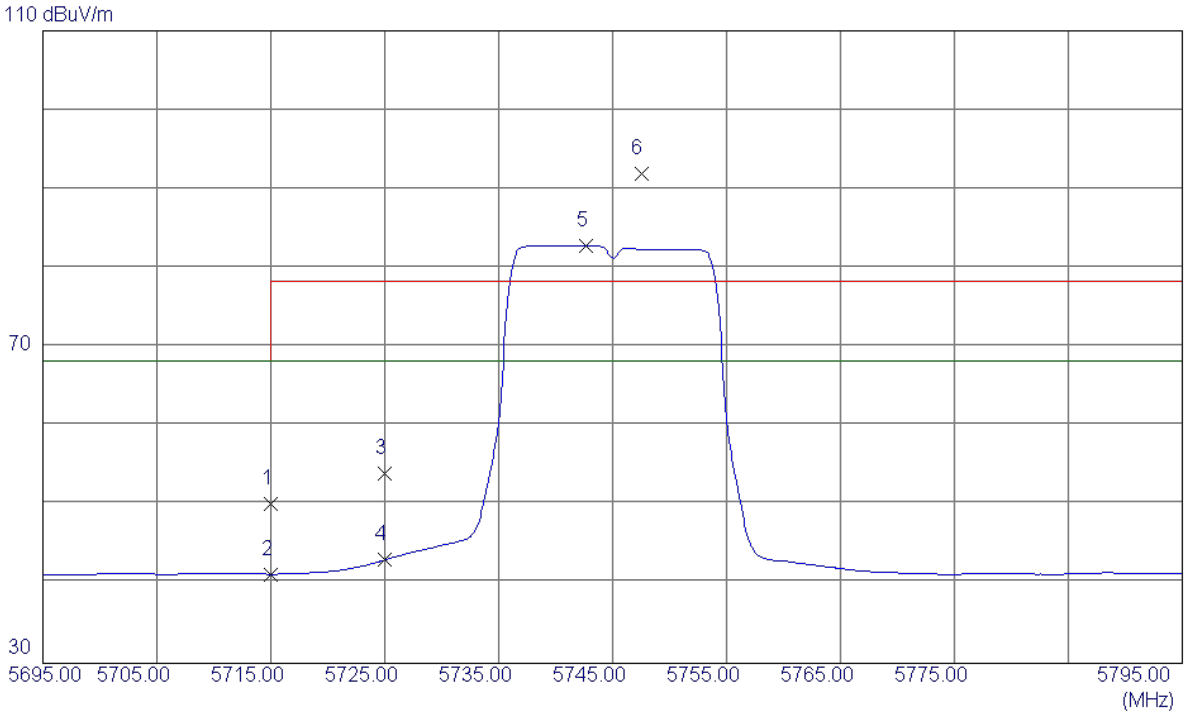
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11488.8000	25.03	15.52	40.55	54.00	-13.45	AVG	
2	11488.8000	37.05	15.52	52.57	68.30	-15.73	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5745MHz

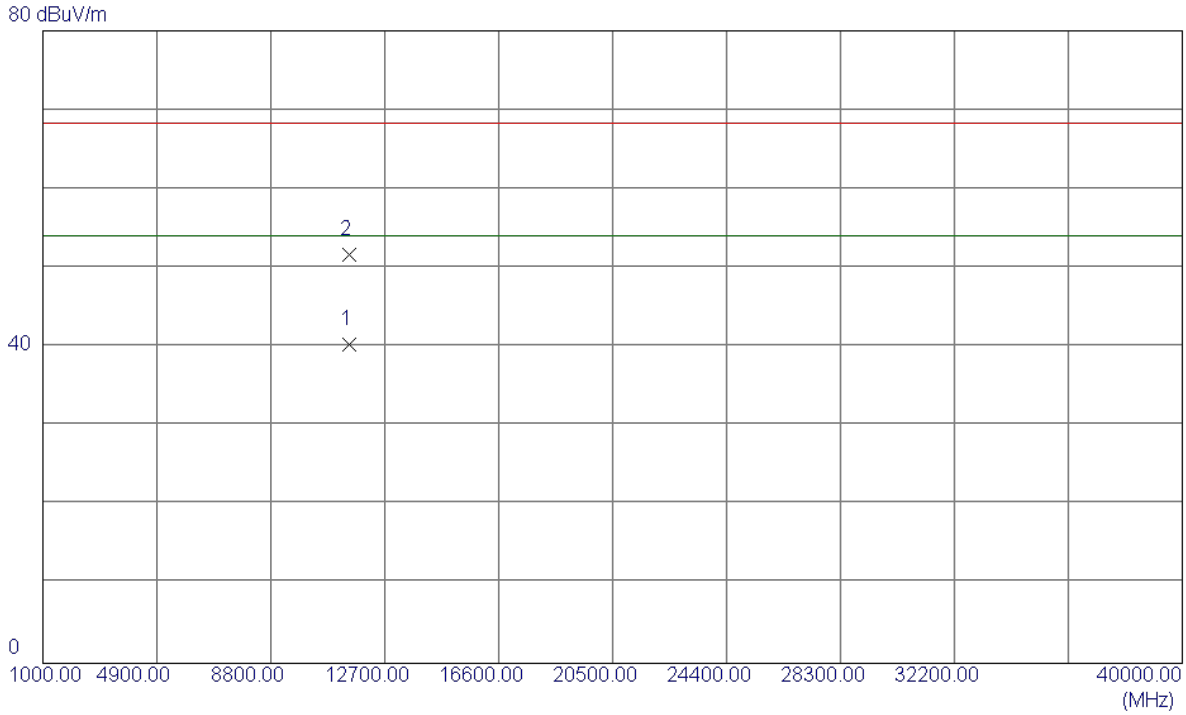
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	8.98	41.25	50.23	68.30	-18.07	Peak	
2	5715.0000	0.01	41.25	41.26	68.30	-27.04	AVG	
3	5725.0000	12.74	41.27	54.01	78.30	-24.29	Peak	
4	5725.0000	1.80	41.27	43.07	68.30	-25.23	AVG	
5	5742.7000	41.55	41.29	82.84	68.30	14.54	AVG	No Limit
6	5747.5000	50.68	41.30	91.98	78.30	13.68	Peak	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5745MHz

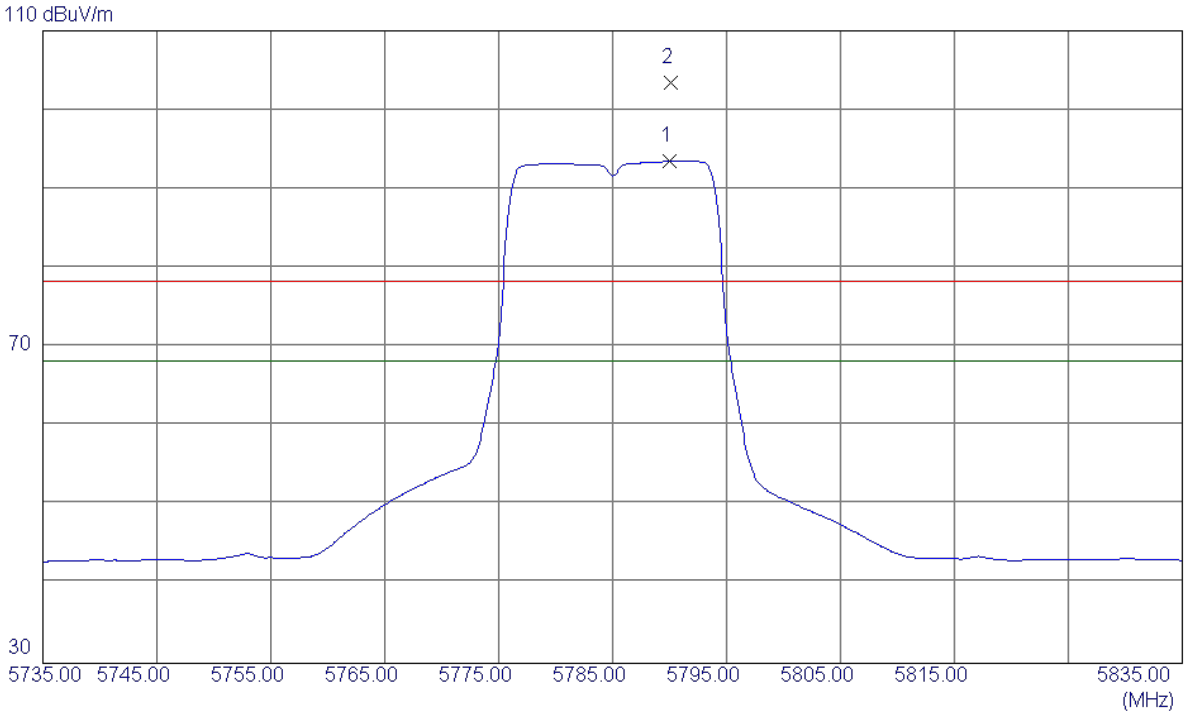
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11489.6000	24.79	15.52	40.31	54.00	-13.69	AVG	
2	11491.2000	36.12	15.52	51.64	68.30	-16.66	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5785MHz

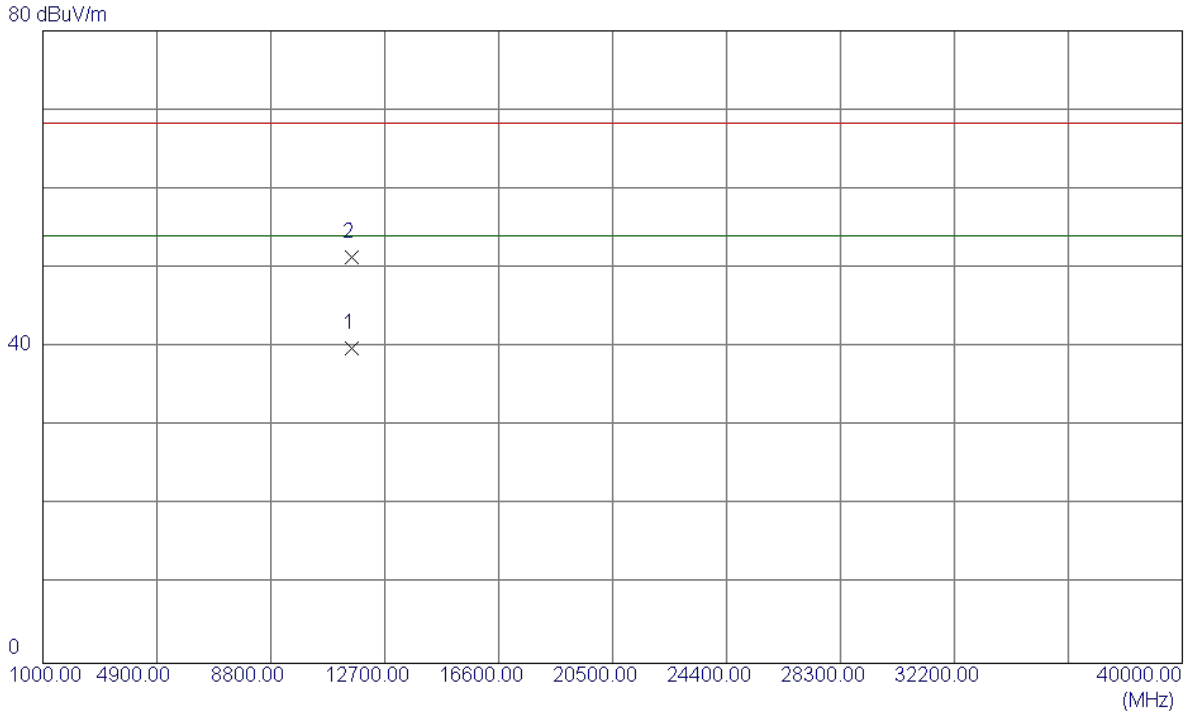
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5790.0000	52.14	41.35	93.49	68.30	25.19	AVG	No Limit
2	5790.1000	62.05	41.35	103.40	78.30	25.10	Peak	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5785MHz

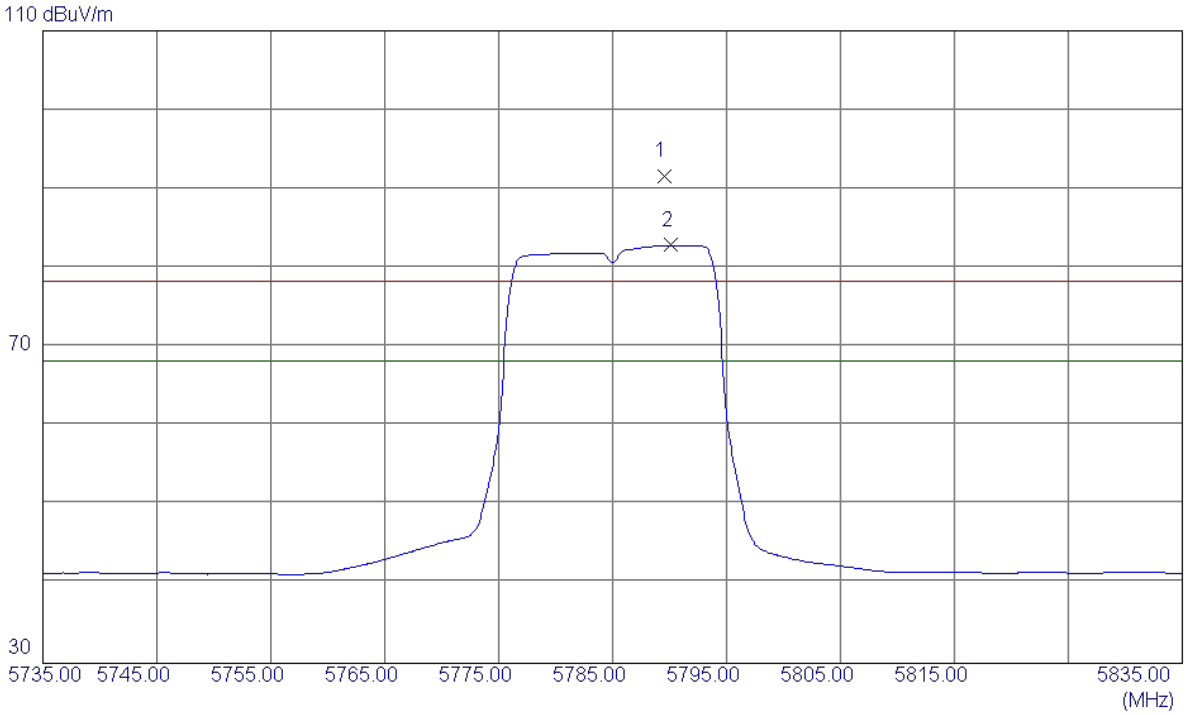
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11570.0000	24.23	15.55	39.78	54.00	-14.22	AVG	
2	11570.4000	35.87	15.55	51.42	68.30	-16.88	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5785MHz

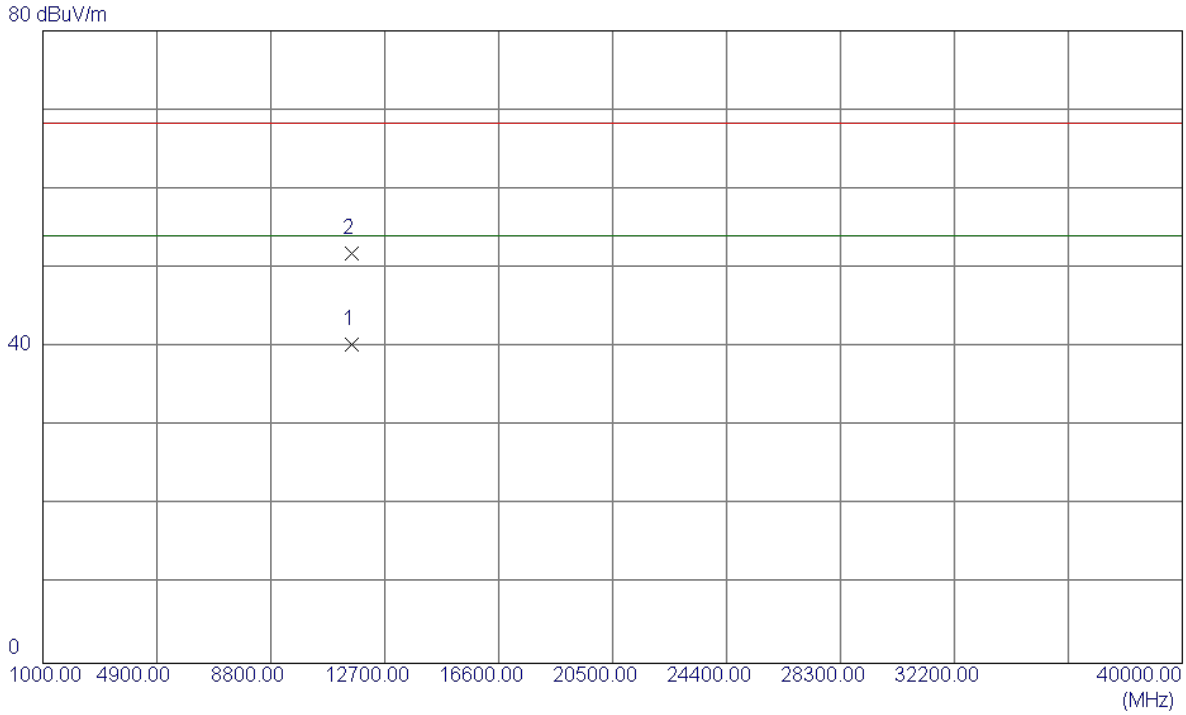
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5789.5000	50.31	41.35	91.66	78.30	13.36	Peak	No Limit
2	5790.1000	41.53	41.35	82.88	68.30	14.58	AVG	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5785MHz

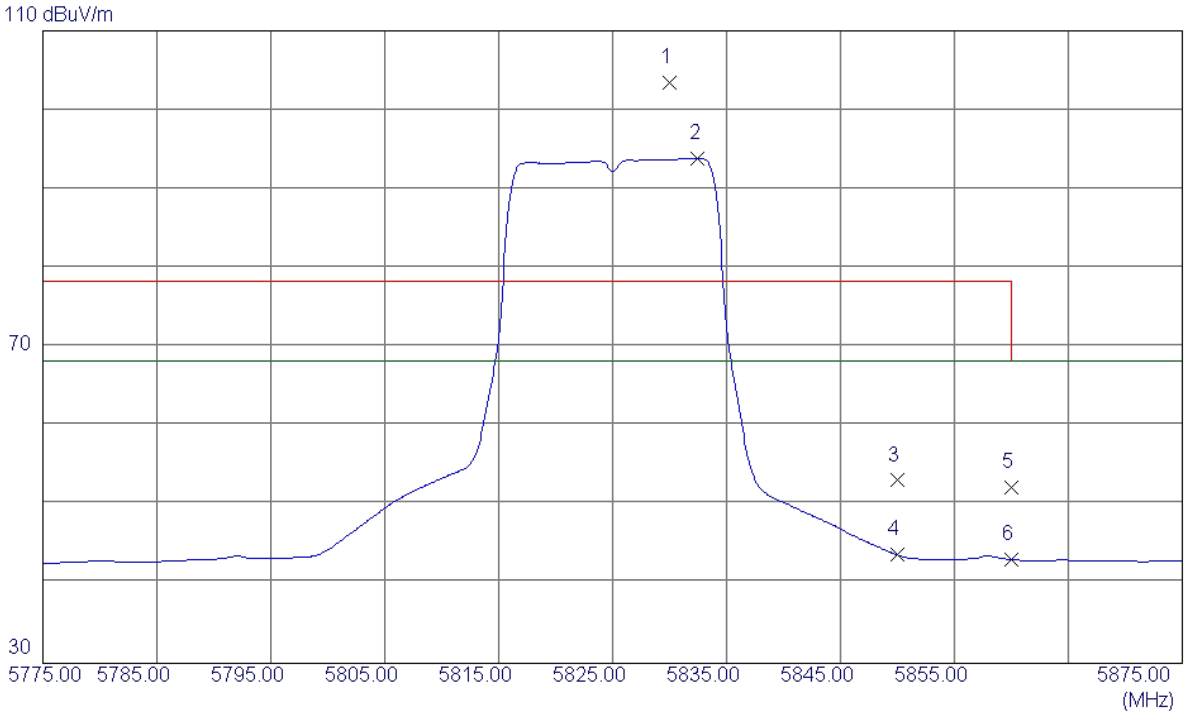
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11570.0000	24.78	15.55	40.33	54.00	-13.67	AVG	
2	11570.8000	36.23	15.55	51.78	68.30	-16.52	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5825MHz

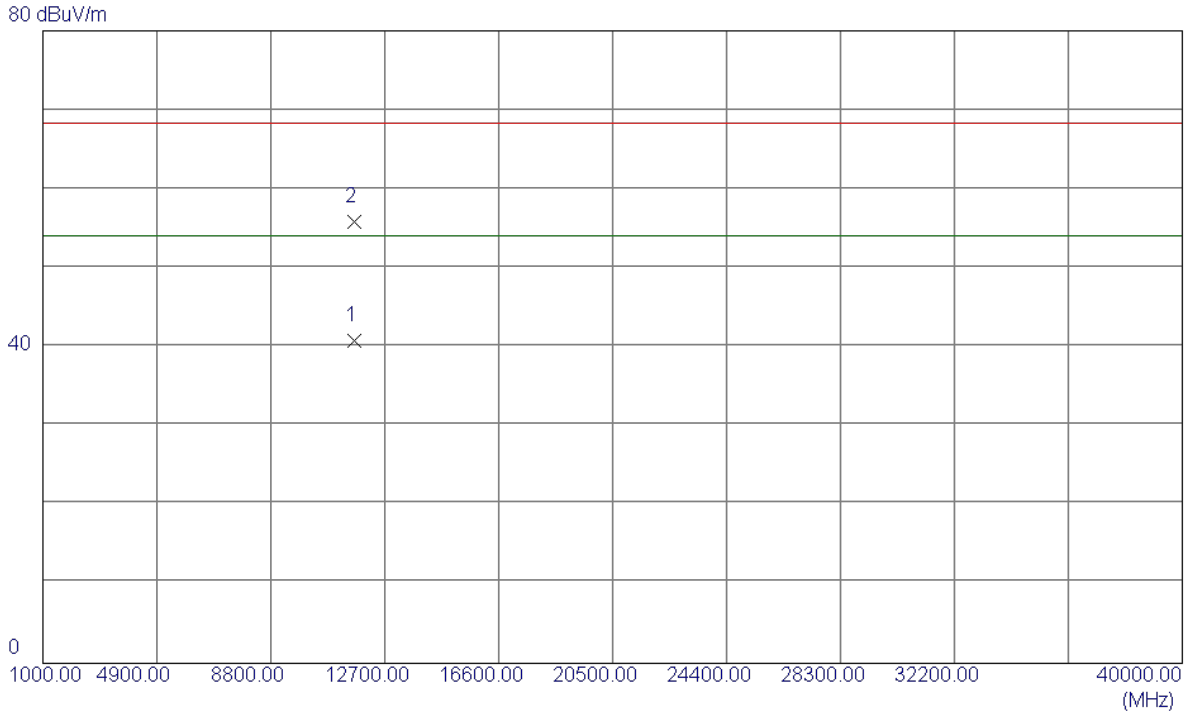
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5830.0000	61.97	41.41	103.38	78.30	25.08	Peak	No Limit
2	5832.5000	52.46	41.41	93.87	68.30	25.57	AVG	No Limit
3	5850.0000	11.68	41.44	53.12	78.30	-25.18	Peak	
4	5850.0000	2.26	41.44	43.70	68.30	-24.60	AVG	
5	5860.0000	10.86	41.45	52.31	78.30	-25.99	Peak	
6	5860.0000	1.68	41.45	43.13	68.30	-25.17	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5825MHz

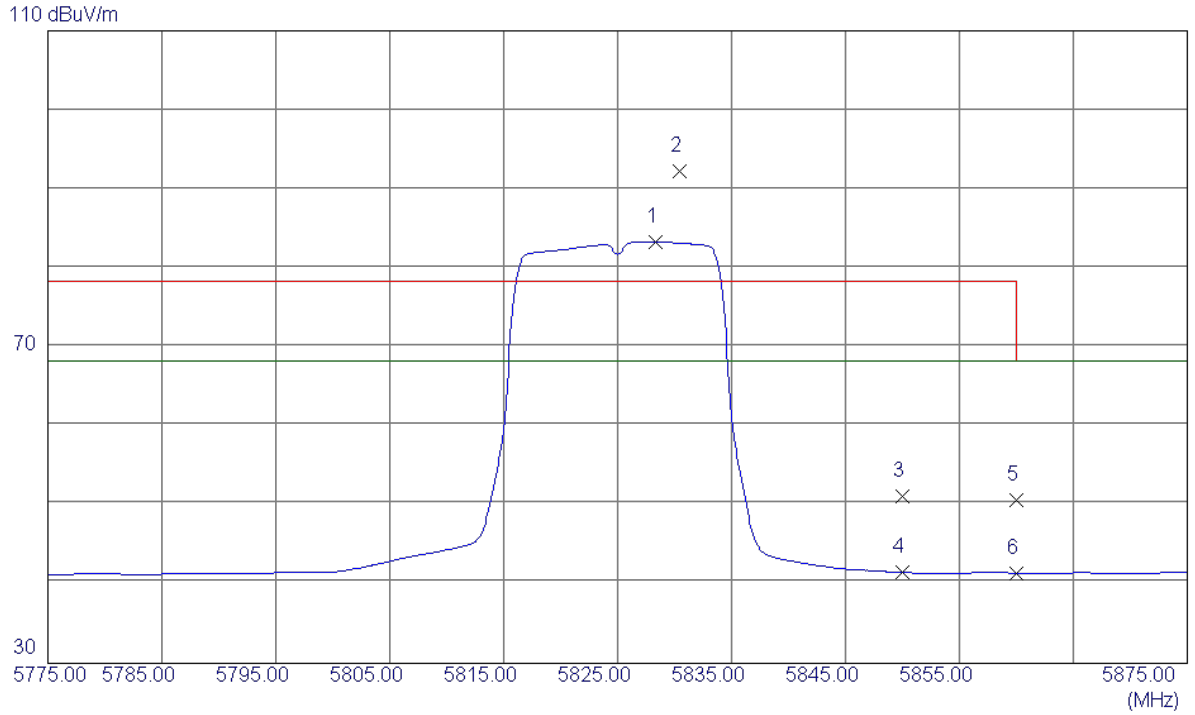
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11649.6000	25.27	15.58	40.85	54.00	-13.15	AVG	
2	11650.4000	40.28	15.58	55.86	68.30	-12.44	Peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5825MHz

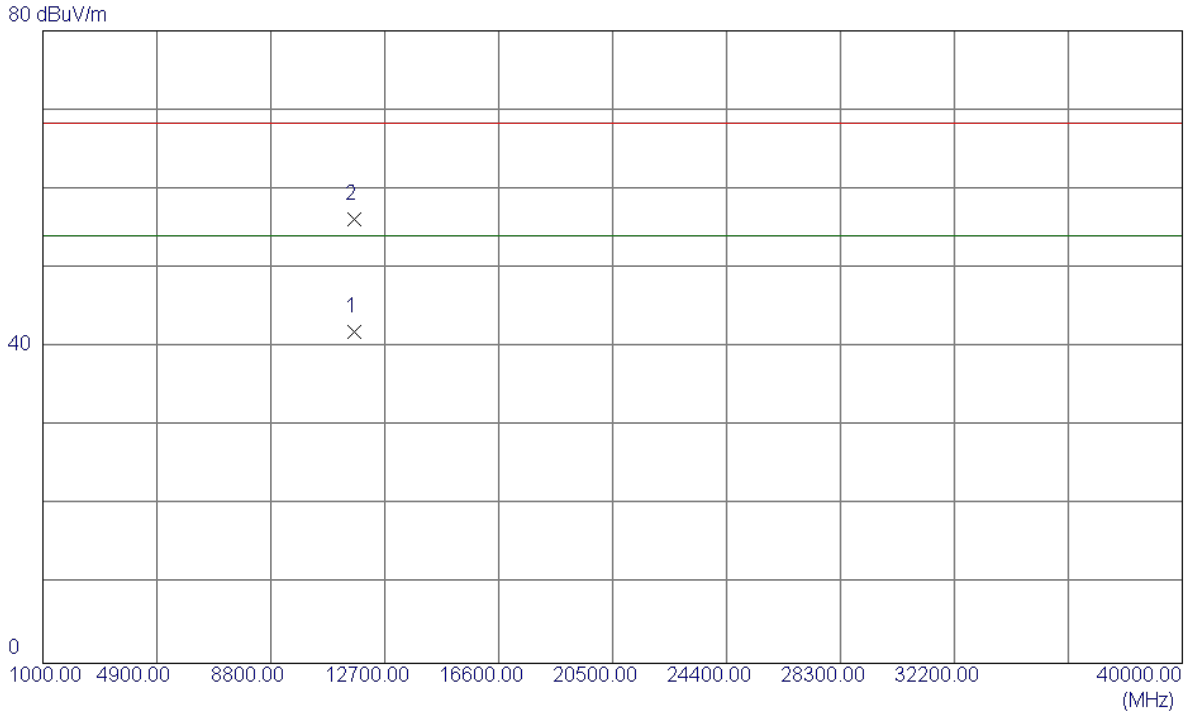
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5828.3000	41.85	41.41	83.26	68.30	14.96	AVG	No Limit
2	5830.4000	50.79	41.41	92.20	78.30	13.90	Peak	No Limit
3	5850.0000	9.64	41.44	51.08	78.30	-27.22	Peak	
4	5850.0000	0.05	41.44	41.49	68.30	-26.81	AVG	
5	5860.0000	9.15	41.45	50.60	78.30	-27.70	Peak	
6	5860.0000	-0.04	41.45	41.41	68.30	-26.89	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC20 Mode 5825MHz

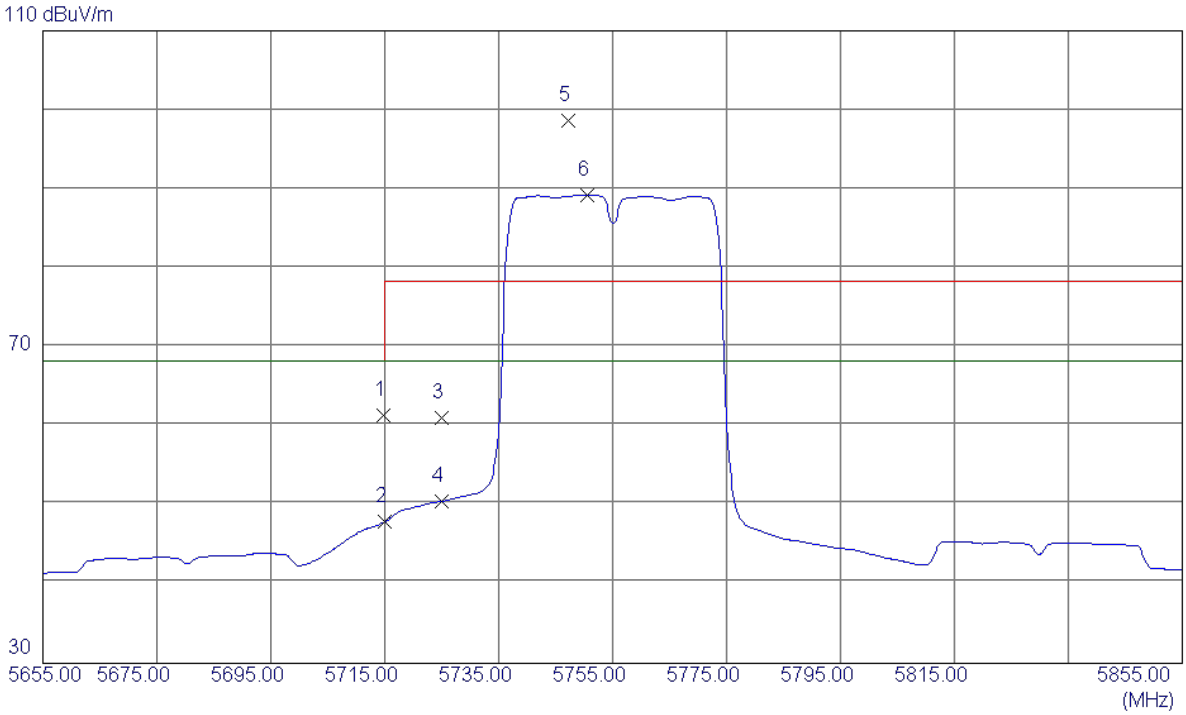
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11651.2000	26.27	15.58	41.85	54.00	-12.15	AVG	
2	11650.8000	40.65	15.58	56.23	68.30	-12.07	Peak	

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

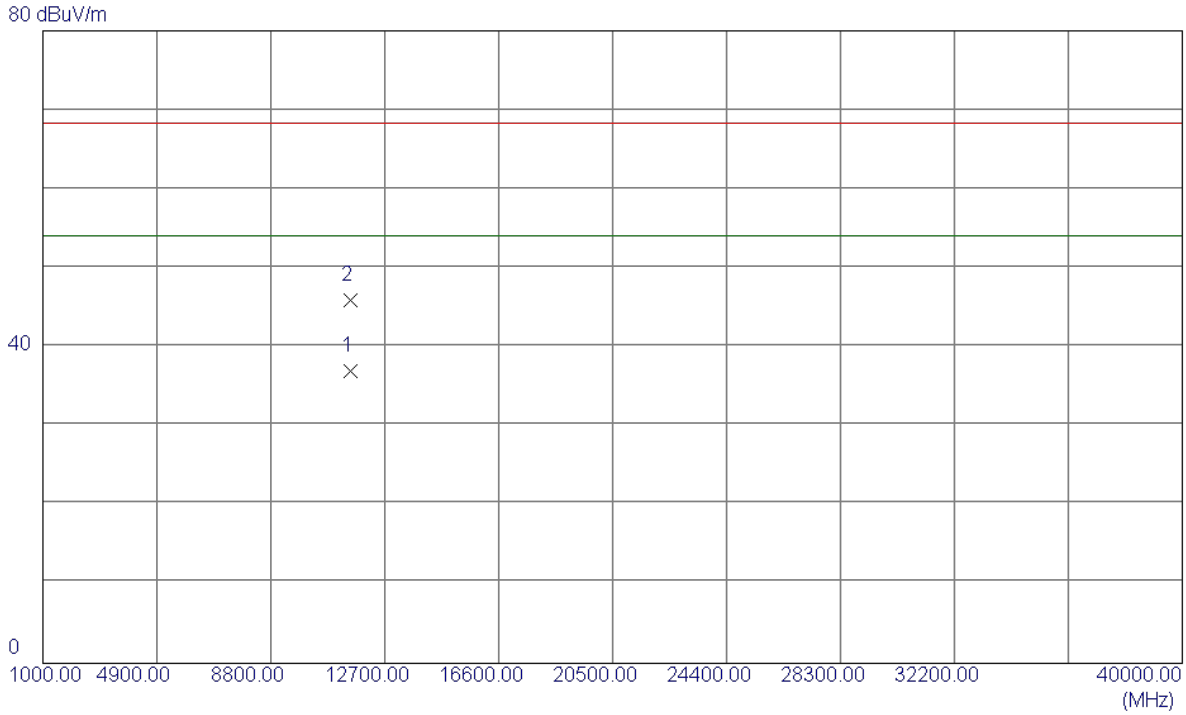
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5714.8000	20.06	41.25	61.31	68.30	-6.99	Peak	
2	5715.0000	6.65	41.25	47.90	68.30	-20.40	AVG	
3	5725.0000	19.81	41.27	61.08	78.30	-17.22	Peak	
4	5725.0000	9.22	41.27	50.49	68.30	-17.81	AVG	
5	5747.2000	57.39	41.30	98.69	78.30	20.39	Peak	No Limit
6	5750.6000	47.92	41.30	89.22	68.30	20.92	AVG	No Limit

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

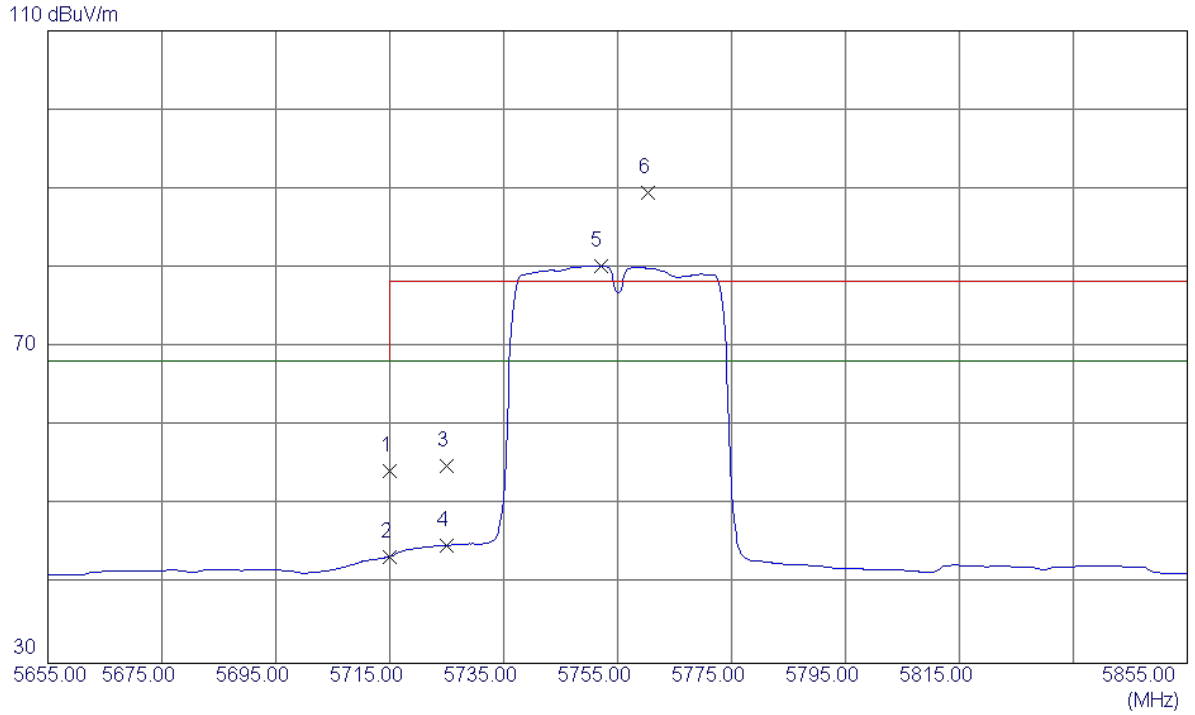
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11510.0000	21.50	15.52	37.02	54.00	-16.98	AVG	
2	11510.4000	30.46	15.52	45.98	68.30	-22.32	Peak	

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

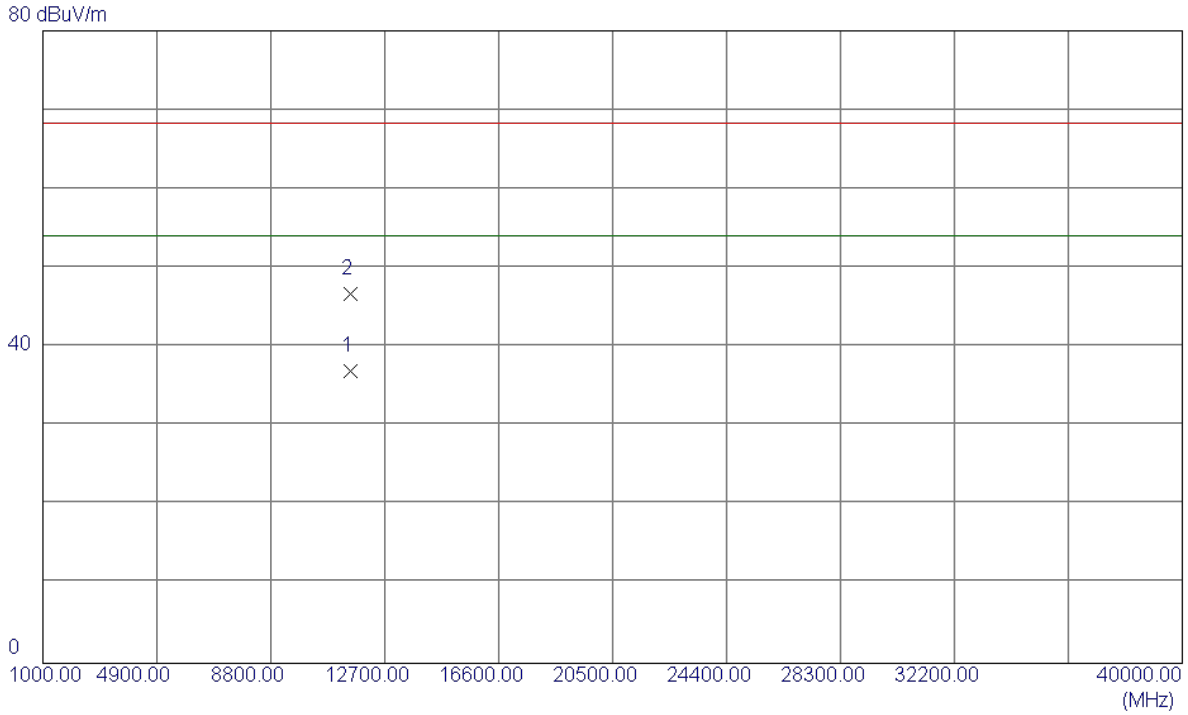
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	13.11	41.25	54.36	68.30	-13.94	Peak	
2	5715.0000	2.26	41.25	43.51	68.30	-24.79	AVG	
3	5725.0000	13.71	41.27	54.98	78.30	-23.32	Peak	
4	5725.0000	3.63	41.27	44.90	68.30	-23.40	AVG	
5	5752.0000	39.00	41.30	80.30	68.30	12.00	AVG	No Limit
6	5760.4000	48.21	41.31	89.52	78.30	11.22	Peak	No Limit

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

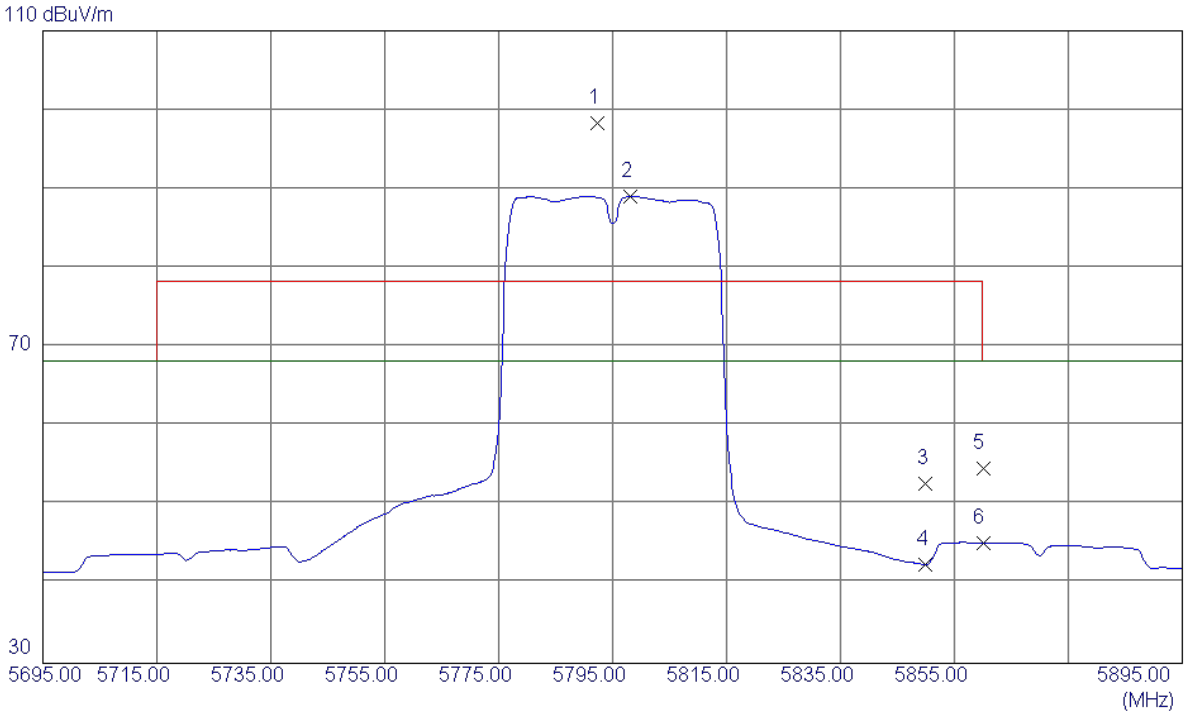
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11510.0000	21.46	15.52	36.98	54.00	-17.02	AVG	
2	11508.8000	31.24	15.52	46.76	68.30	-21.54	Peak	

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

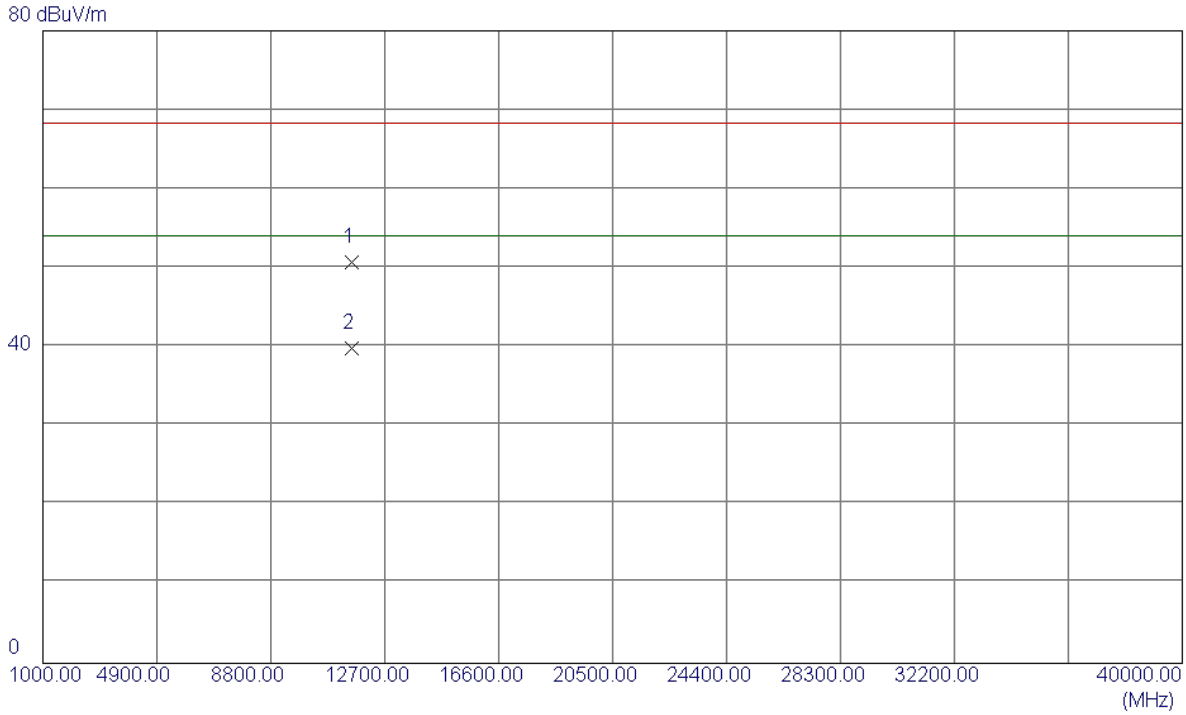
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5792.4000	57.00	41.36	98.36	78.30	20.06	Peak	No Limit
2	5798.2000	47.72	41.37	89.09	68.30	20.79	AVG	No Limit
3	5850.0000	11.35	41.44	52.79	78.30	-25.51	Peak	
4	5850.0000	1.04	41.44	42.48	68.30	-25.82	AVG	
5	5860.0000	13.24	41.45	54.69	78.30	-23.61	Peak	
6	5860.0000	3.68	41.45	45.13	68.30	-23.17	AVG	

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

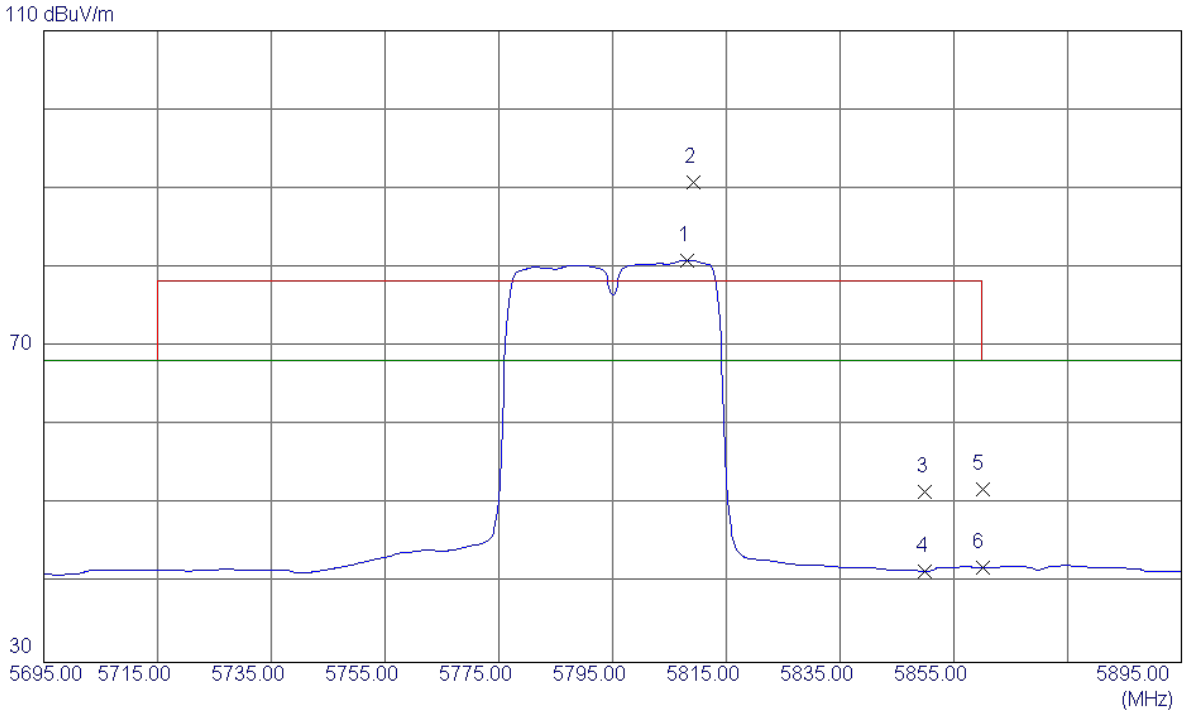
Vertical



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11590.0000	35.20	15.55	50.75	68.30	-17.55	Peak	
2	11590.4000	24.25	15.55	39.80	54.00	-14.20	AVG	

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

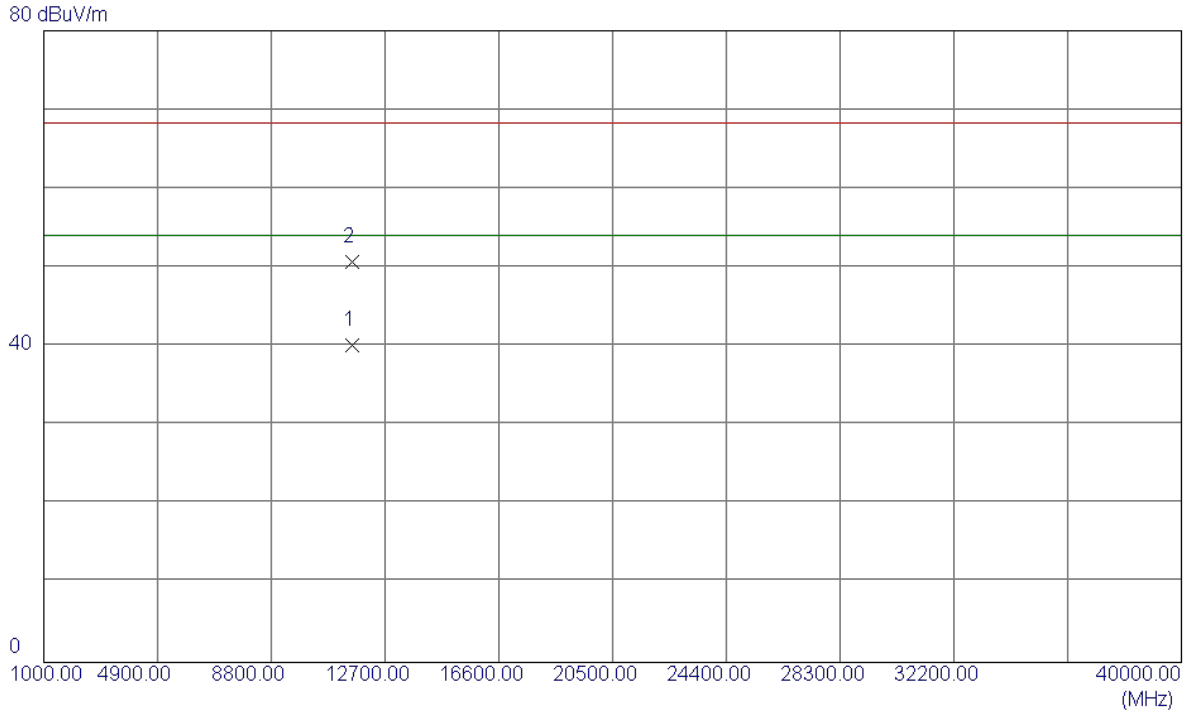
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5808.2000	39.52	41.38	80.90	68.30	12.60	AVG	No Limit
2	5809.2000	49.40	41.38	90.78	78.30	12.48	Peak	No Limit
3	5850.0000	10.15	41.44	51.59	78.30	-26.71	Peak	
4	5850.0000	0.11	41.44	41.55	68.30	-26.75	AVG	
5	5860.0000	10.44	41.45	51.89	78.30	-26.41	Peak	
6	5860.0000	0.57	41.45	42.02	68.30	-26.28	AVG	

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

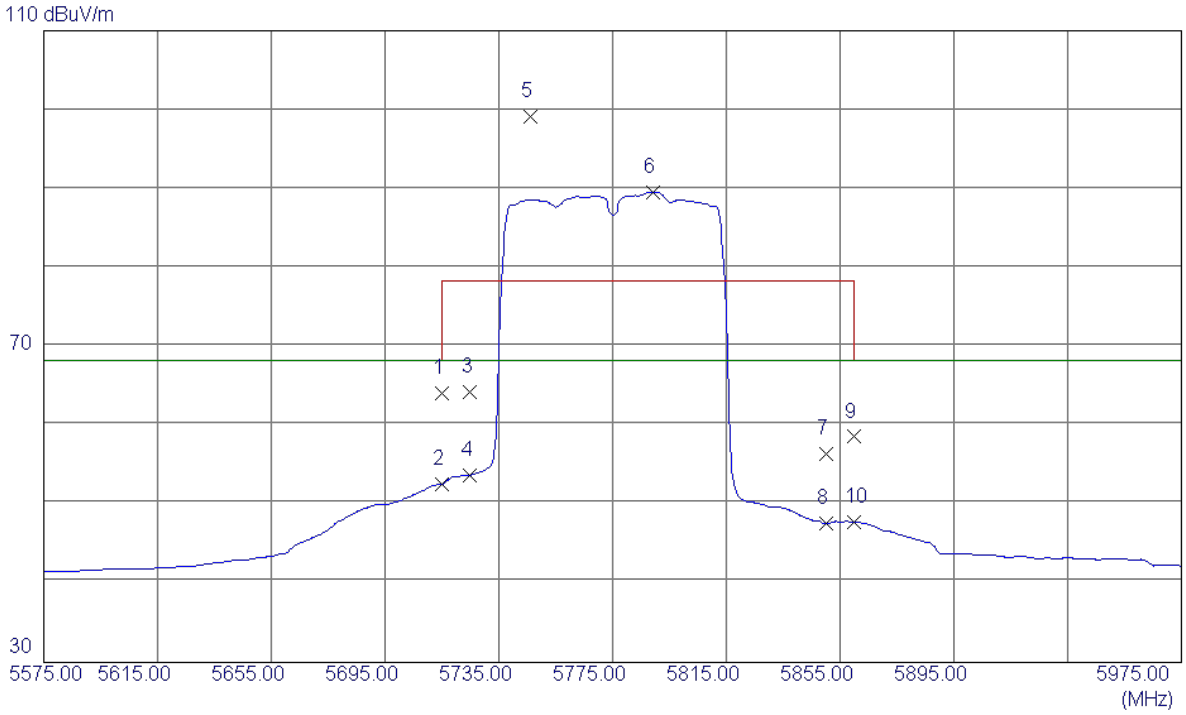
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11589.6000	24.63	15.55	40.18	54.00	-13.82	AVG	
2	11590.4000	35.22	15.55	50.77	68.30	-17.53	Peak	

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

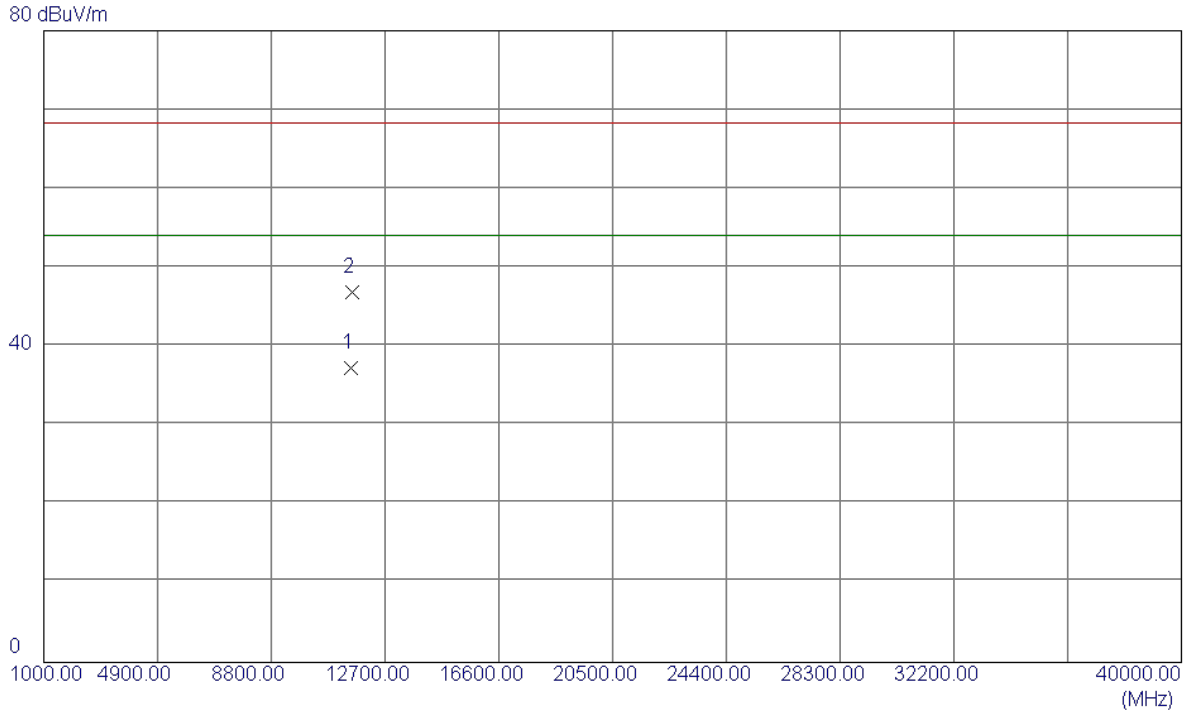
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	22.89	41.25	64.14	68.30	-4.16	Peak	
2	5715.0000	11.31	41.25	52.56	68.30	-15.74	AVG	
3	5725.0000	22.96	41.27	64.23	78.30	-14.07	Peak	
4	5725.0000	12.44	41.27	53.71	68.30	-14.59	AVG	
5	5746.2000	57.75	41.29	99.04	78.30	20.74	Peak	No Limit
6	5789.4000	48.24	41.35	89.59	68.30	21.29	AVG	No Limit
7	5850.0000	14.98	41.44	56.42	78.30	-21.88	Peak	
8	5850.0000	6.11	41.44	47.55	68.30	-20.75	AVG	
9	5860.0000	17.11	41.45	58.56	78.30	-19.74	Peak	
10	5860.0000	6.31	41.45	47.76	68.30	-20.54	AVG	

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

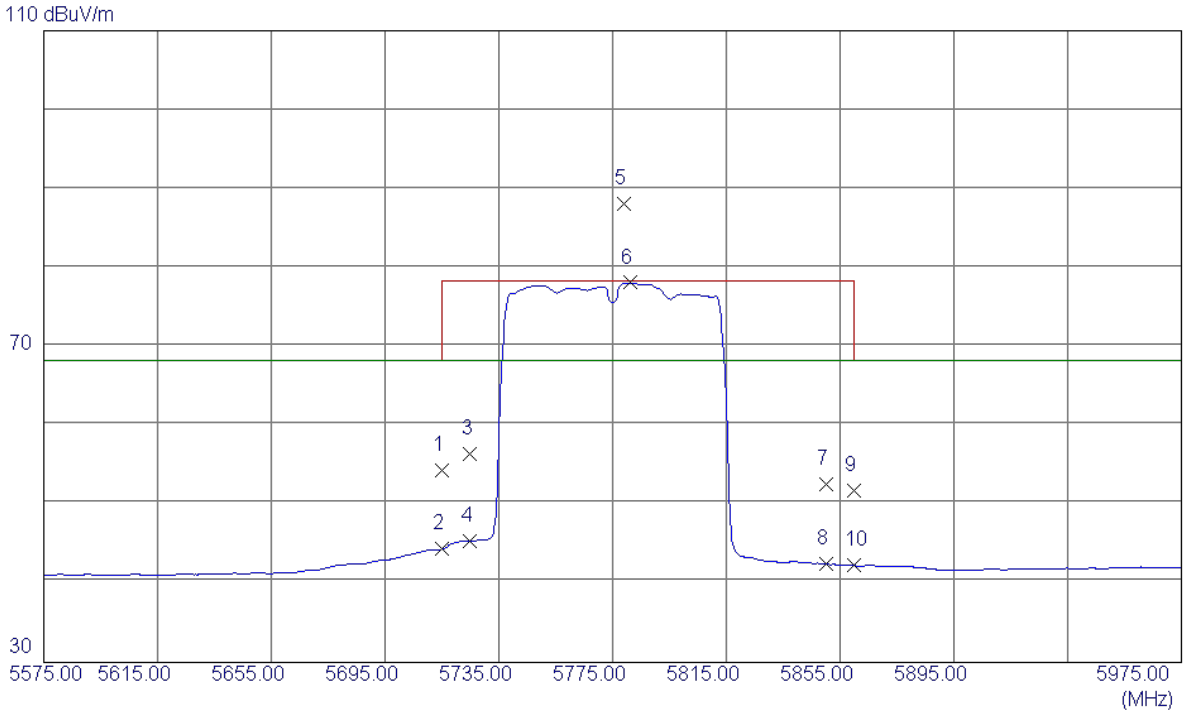
Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11549.6000	21.70	15.54	37.24	54.00	-16.76	AVG	
2	11552.6000	31.35	15.54	46.89	68.30	-21.41	Peak	

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

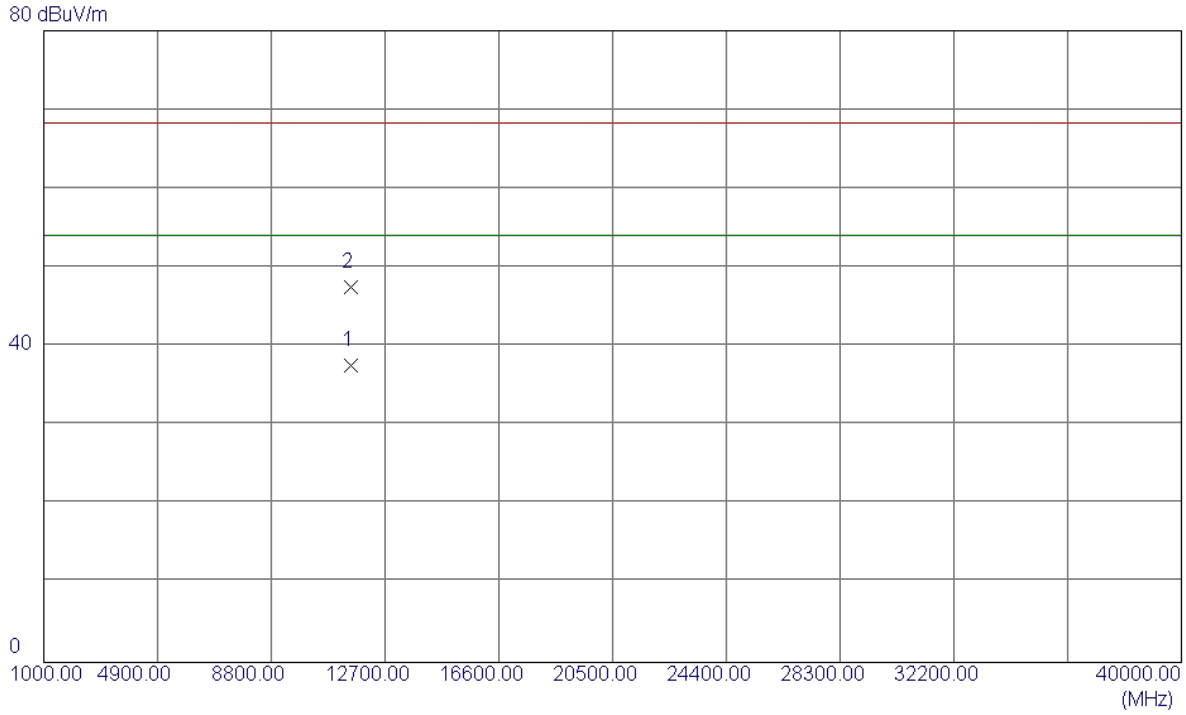
Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	5715.0000	13.03	41.25	54.28	68.30	-14.02	Peak	
2	5715.0000	3.09	41.25	44.34	68.30	-23.96	AVG	
3	5725.0000	15.11	41.27	56.38	78.30	-21.92	Peak	
4	5725.0000	4.10	41.27	45.37	68.30	-22.93	AVG	
5	5779.0000	46.67	41.34	88.01	78.30	9.71	Peak	No Limit
6	5781.4000	36.74	41.34	78.08	68.30	9.78	AVG	No Limit
7	5850.0000	11.07	41.44	52.51	78.30	-25.79	Peak	
8	5850.0000	0.98	41.44	42.42	68.30	-25.88	AVG	
9	5860.0000	10.30	41.45	51.75	78.30	-26.55	Peak	
10	5860.0000	0.81	41.45	42.26	68.30	-26.04	AVG	

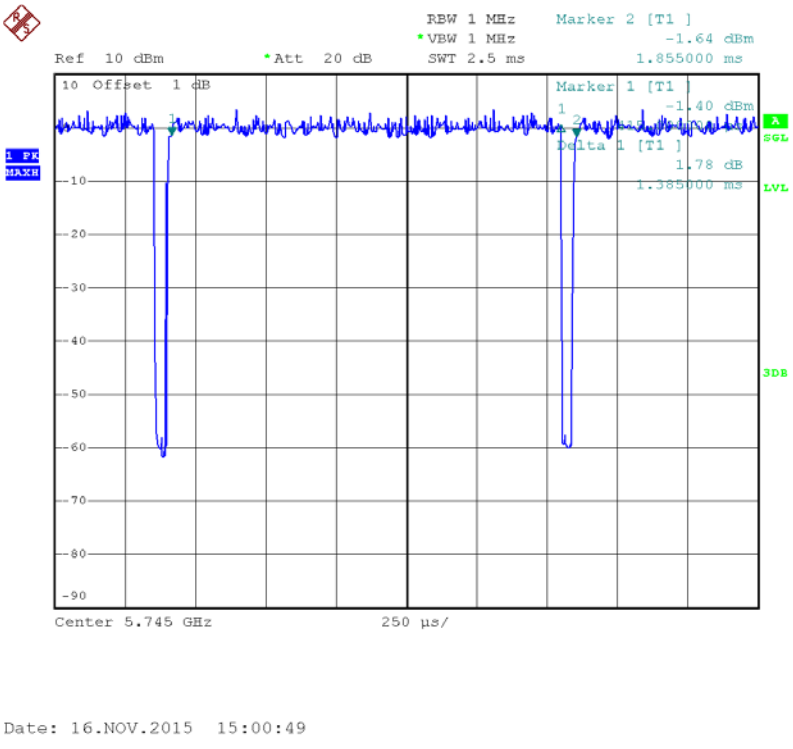
Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC80 Mode 5775MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	11549.8000	22.03	15.54	37.57	54.00	-16.43	AVG	
2	11551.4000	31.94	15.54	47.48	68.30	-20.82	Peak	

TX A Mode_DUTY CYCLE



Duty cycle: TX DUTYMHz

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

T_{ON}: 1.38 msec

T_{Total}: 1.86 msec

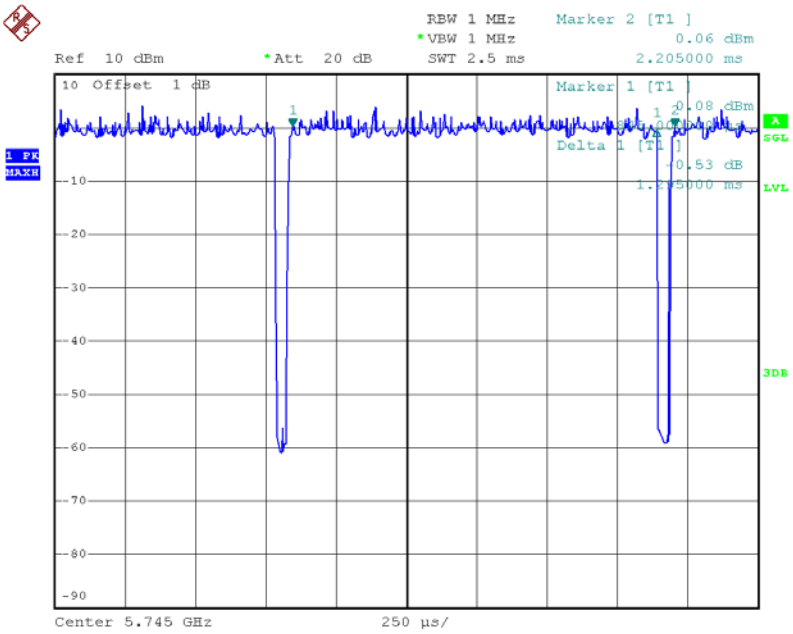
Duty cycle: 74.19%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 1.30

Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is 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 N20 Mode_DUTY CYCLE



Date: 16.NOV.2015 15:12:34

Duty cycle: TX DUTYMHz

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

T_{ON}: 1.30 msec

T_{Total}: 2.20 msec

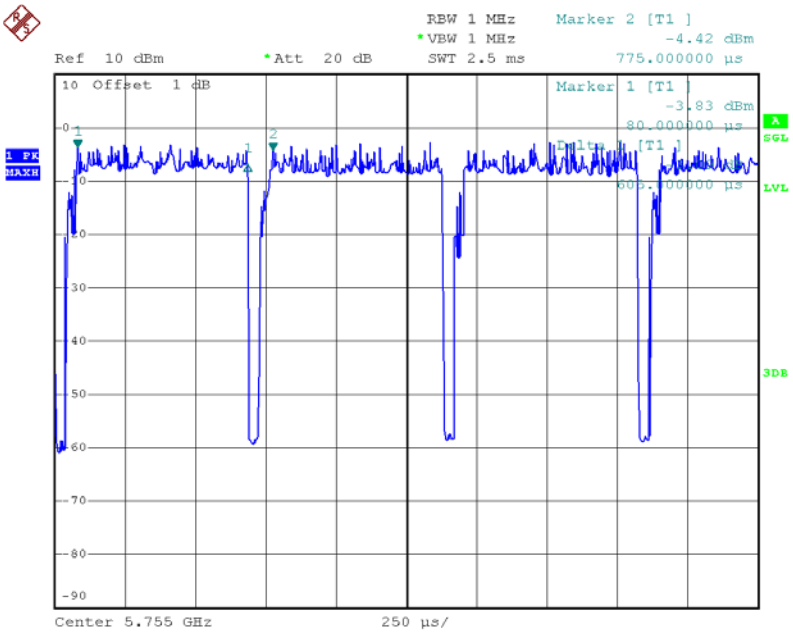
Duty cycle: 59.09%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 2.28

Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is 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 N40 Mode_DUTY CYCLE



Date: 16.NOV.2015 15:37:16

Duty cycle: TX DUTYMHz

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

T_{ON}: 0.60 msec

T_{Total}: 0.78 msec

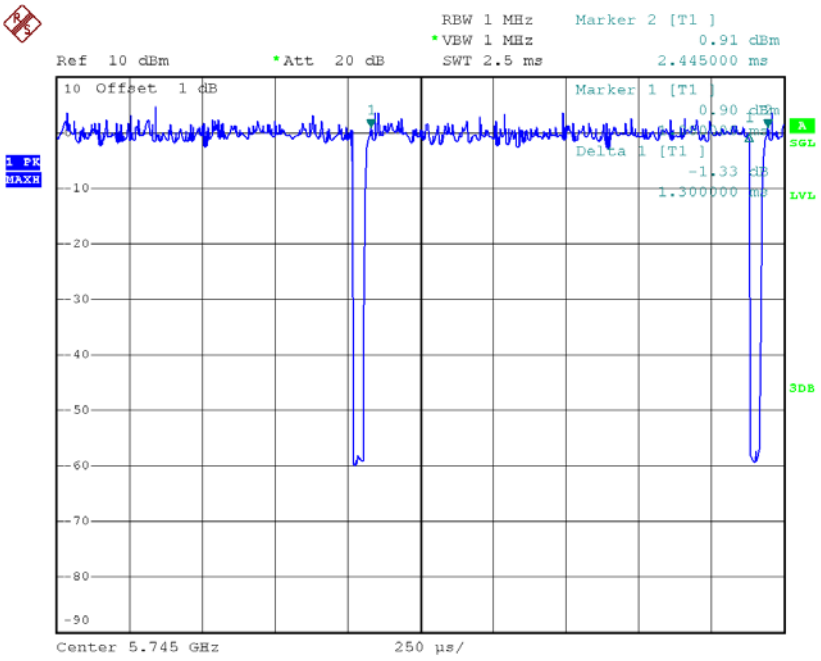
Duty cycle: 76.92%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 1.14

Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is 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}: 1.30 msec

T_{Total}: 2.45 msec

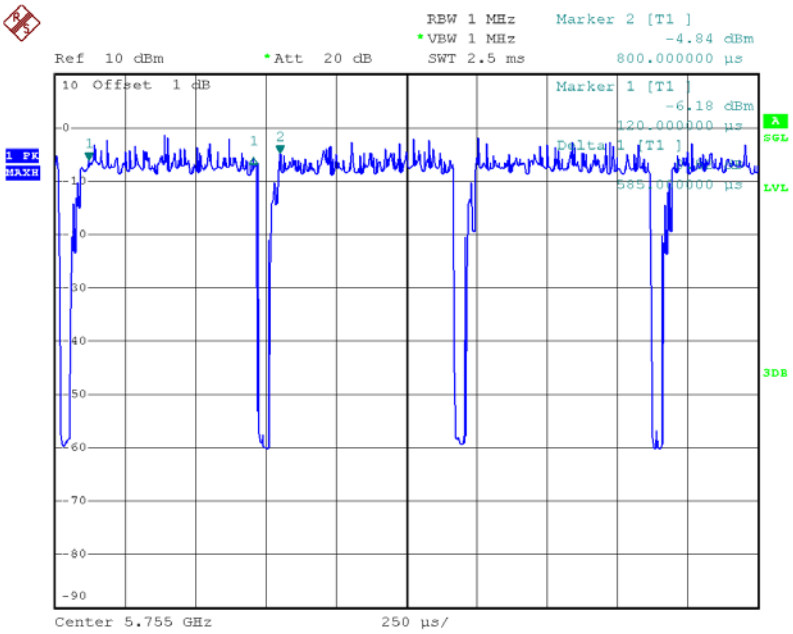
Duty cycle: 53.06%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 2.75

Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is 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



Date: 16.NOV.2015 15:45:28

Duty cycle: TX DUTYMHz

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

T_{ON}: 0.58 msec

T_{Total}: 0.80 msec

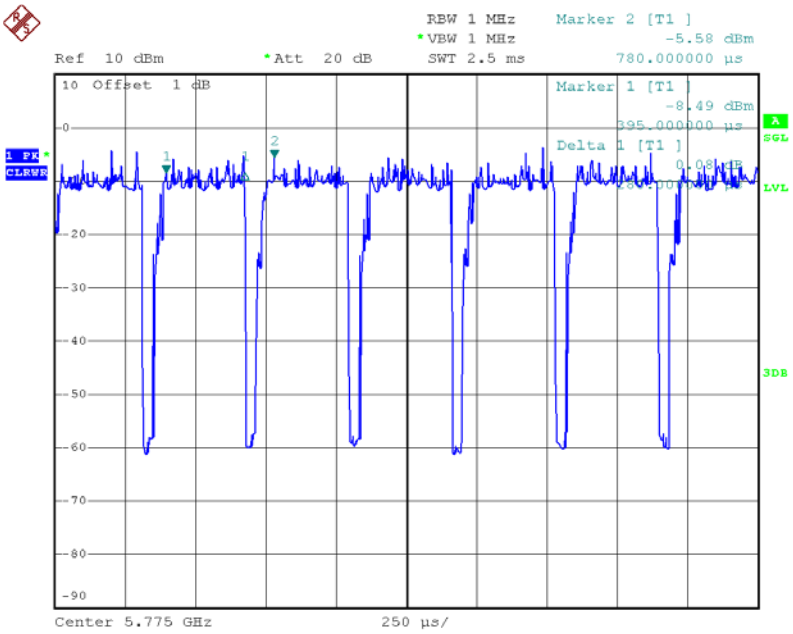
Duty cycle: 72.50%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 1.40

Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is 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



Date: 16.NOV.2015 15:51:48

Duty cycle: TX DUTYMHz

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

T_{ON}: 0.28 msec

T_{Total}: 0.78 msec

Duty cycle: 35.90%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 4.45

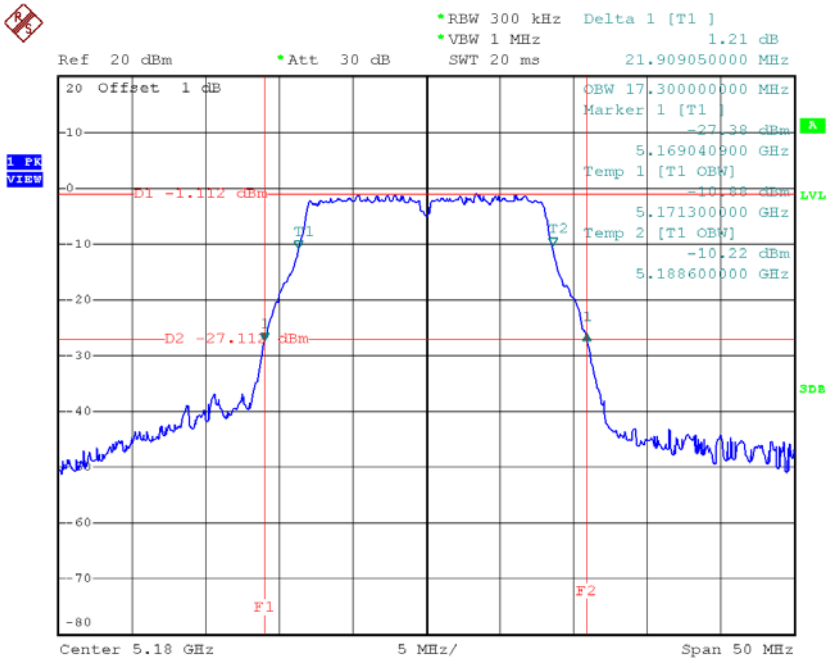
Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is less than 98 %, so, the output power and power density should be cacluated as
Output Power = Measured power + Ducy factor
Power Spectral Density = Measured density + Duty factor

ATTACHMENT E - BANDWIDTH

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

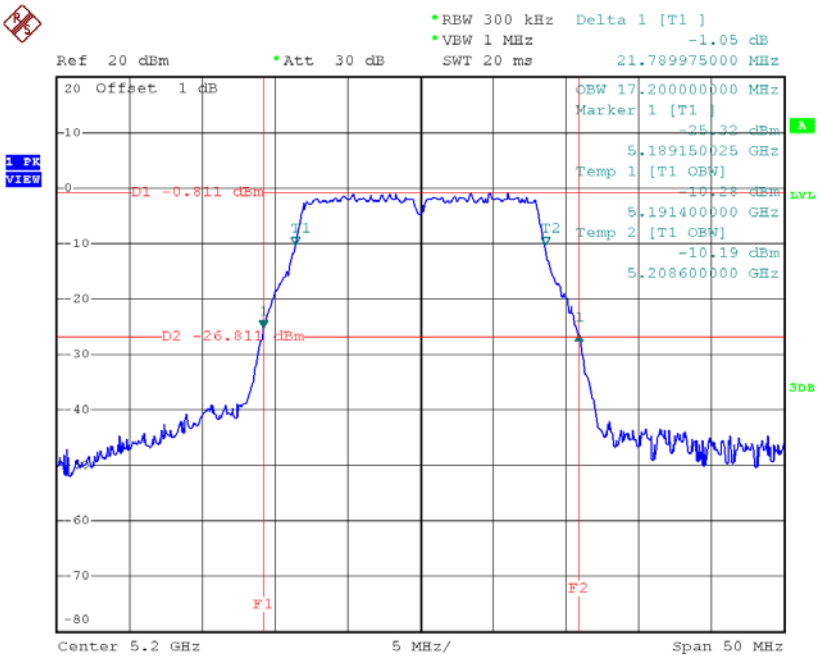
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	21.91	17.30
CH40	5200	21.79	17.20
CH48	5240	21.85	17.30

TX CH36



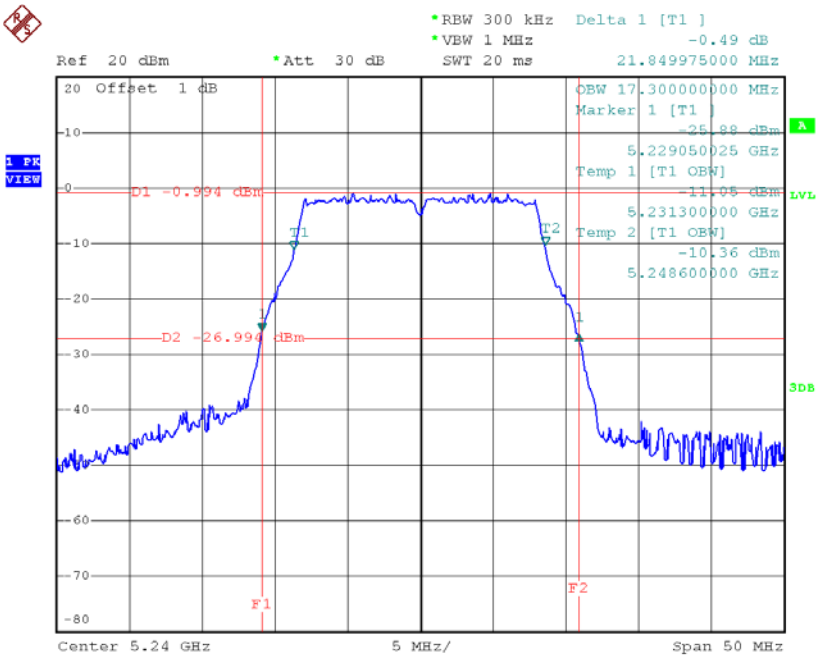
Date: 16.NOV.2015 14:54:59

TX CH40



Date: 16.NOV.2015 14:58:04

TX CH48

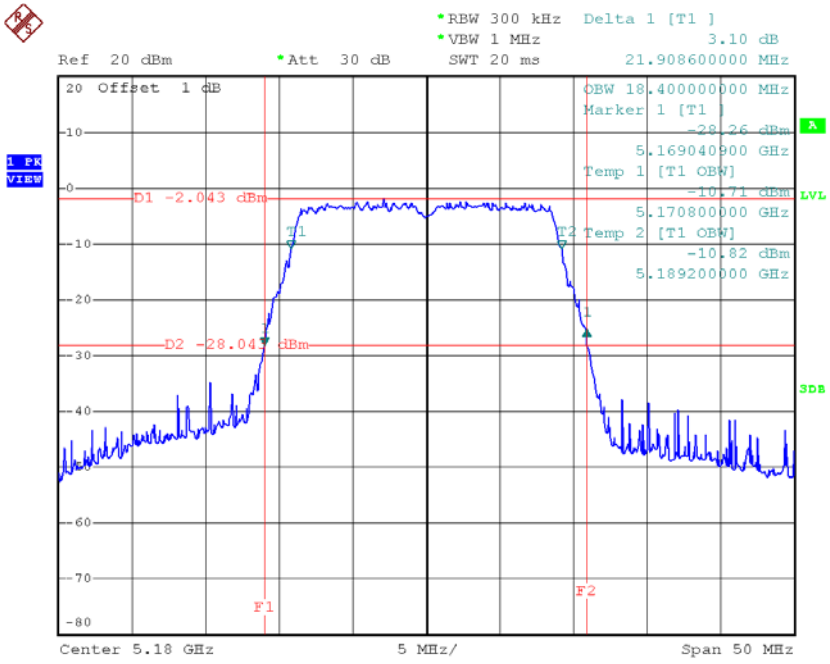


Date: 16.NOV.2015 14:59:13

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

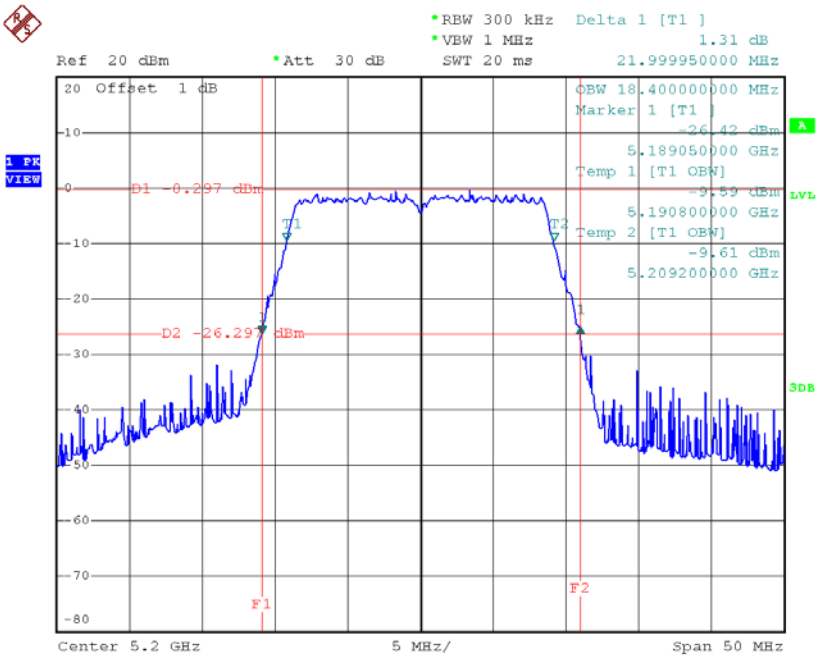
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	21.91	18.40
CH40	5200	22.00	18.40
CH48	5240	22.05	18.30

TX CH36



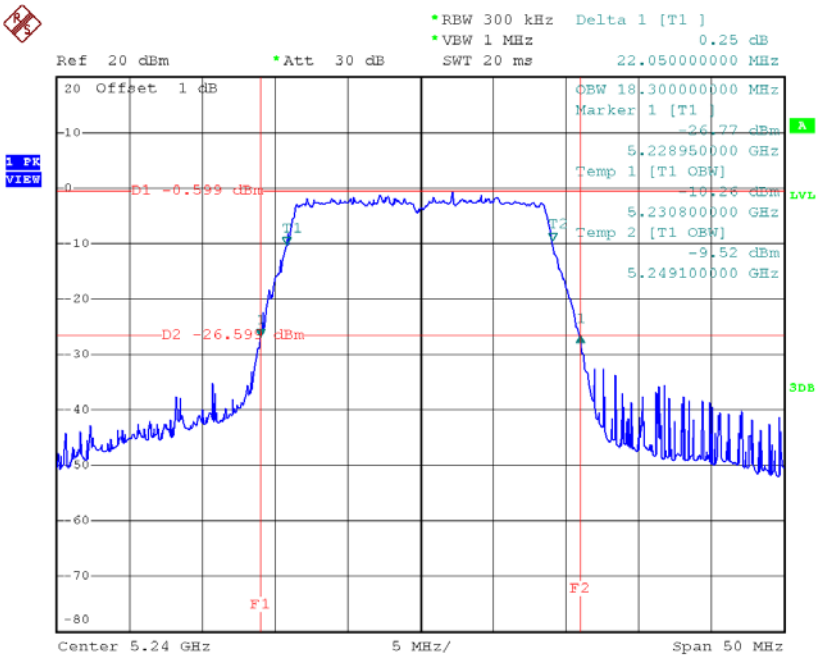
Date: 16.NOV.2015 15:06:55

TX CH40



Date: 16.NOV.2015 15:08:14

TX CH48

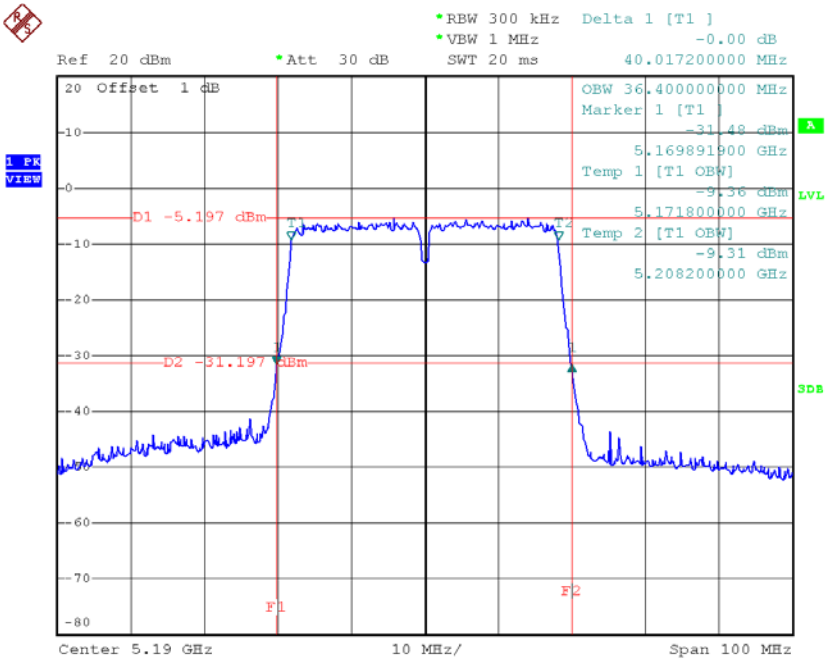


Date: 16.NOV.2015 15:09:08

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

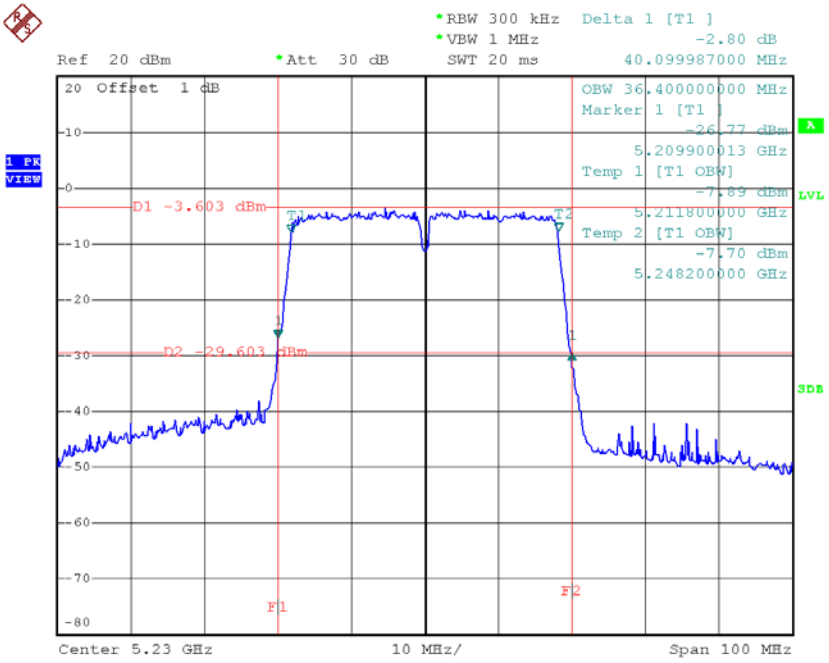
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH38	5190	40.02	36.40
CH46	5230	40.10	36.40

TX CH38



Date: 16.NOV.2015 15:23:12

TX CH46

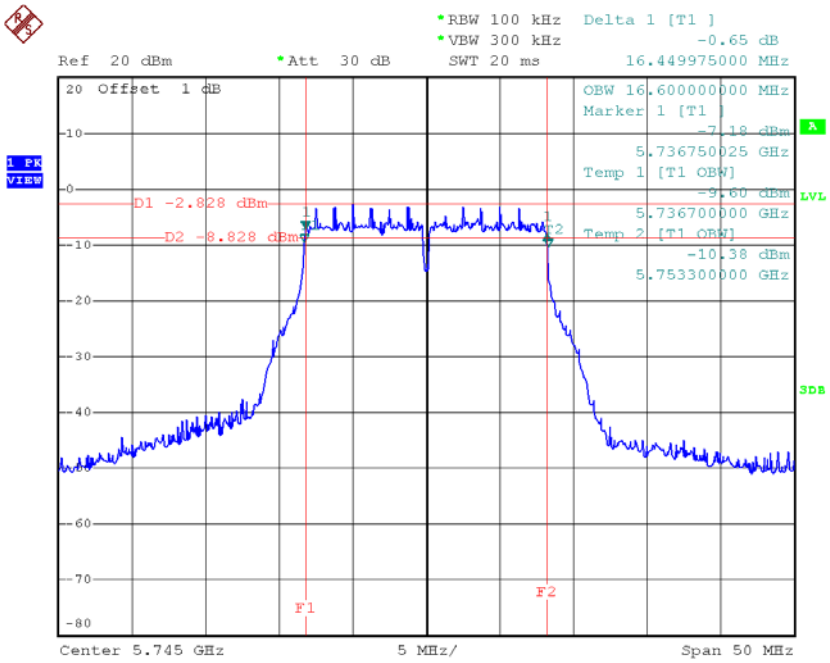


Date: 16.NOV.2015 15:24:27

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

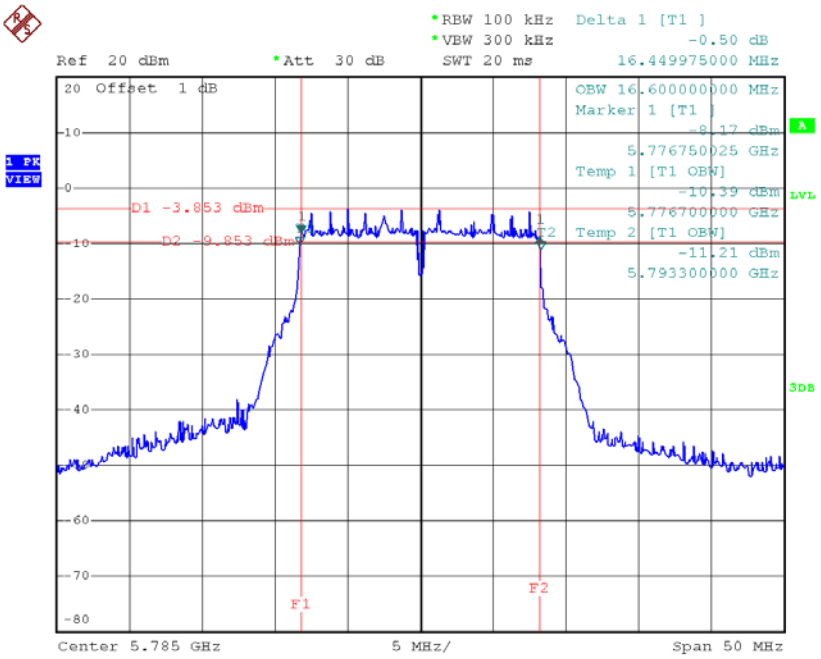
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	16.45	16.60	>=500
CH157	5785	16.45	16.60	>=500
CH165	5825	16.45	16.60	>=500

TX CH 149



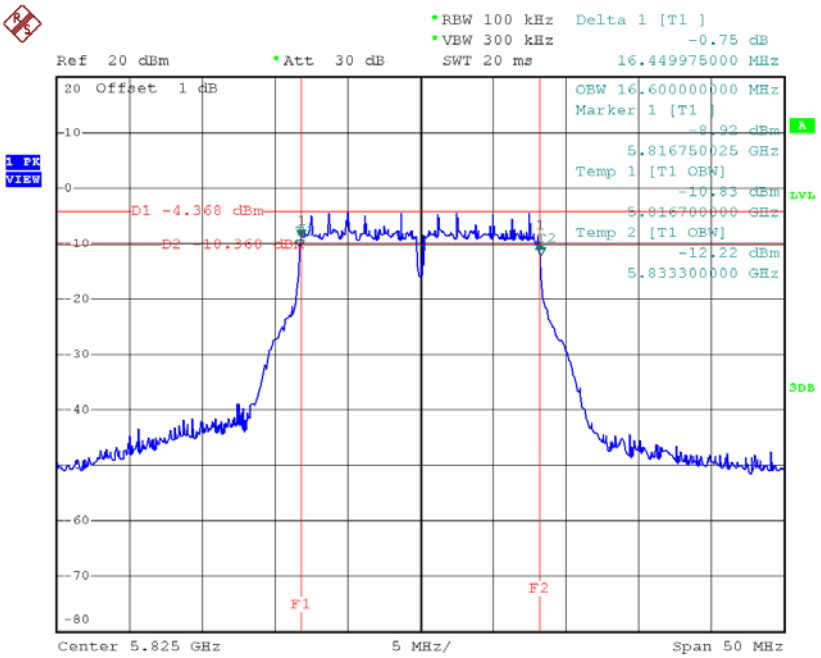
Date: 16.NOV.2015 15:00:34

TX CH 157



Date: 16.NOV.2015 15:04:29

TX CH 165

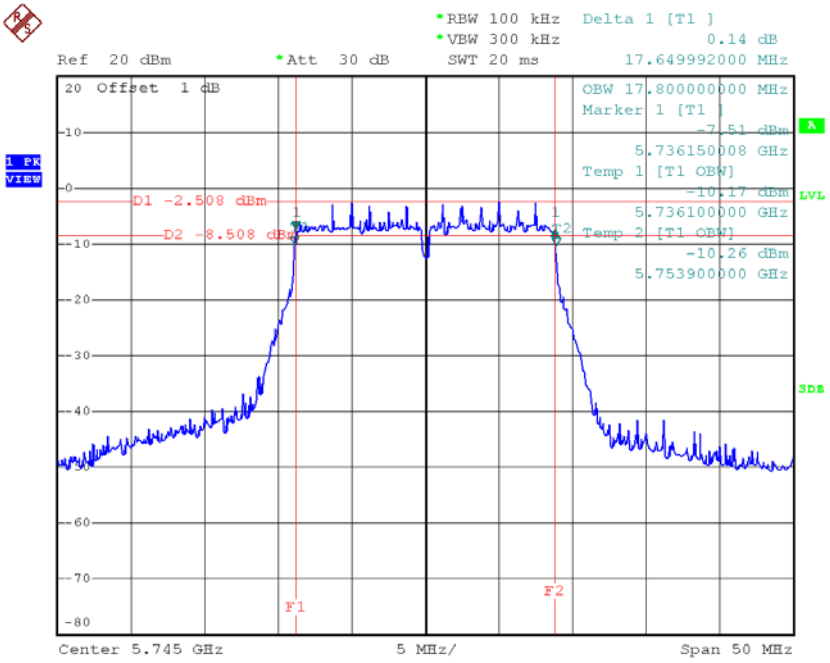


Date: 16.NOV.2015 15:05:32

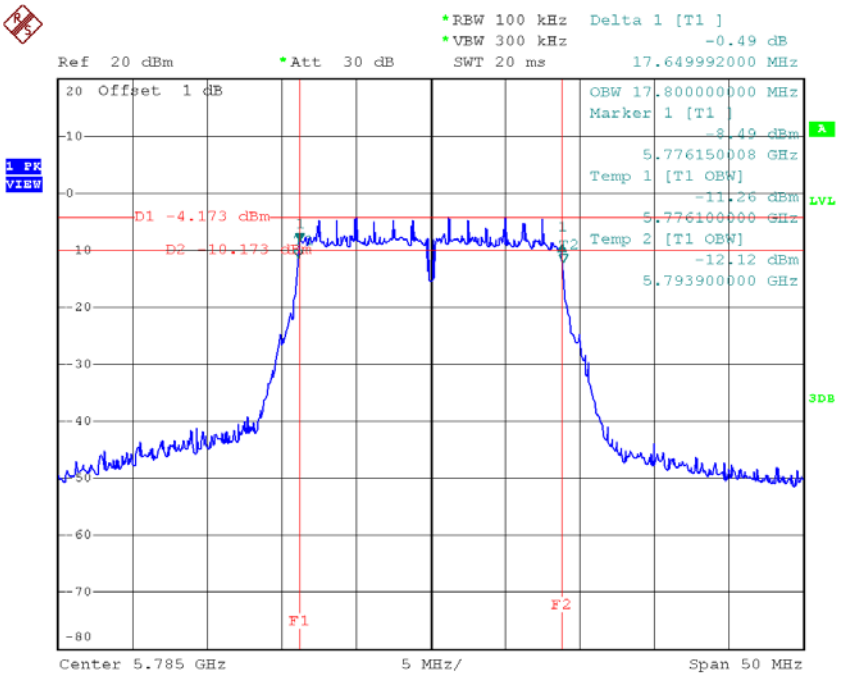
Test Mode: UNII-3/ TX N20 Mode_CH149/CH157/CH165

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

TX CH 149

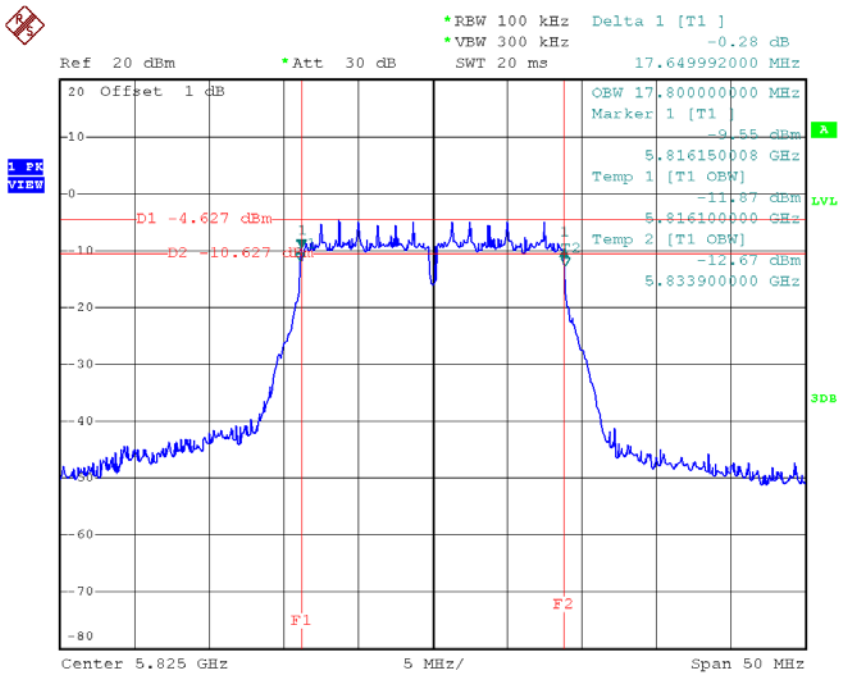


TX CH 157



Date: 16.NOV.2015 15:13:48

TX CH 165

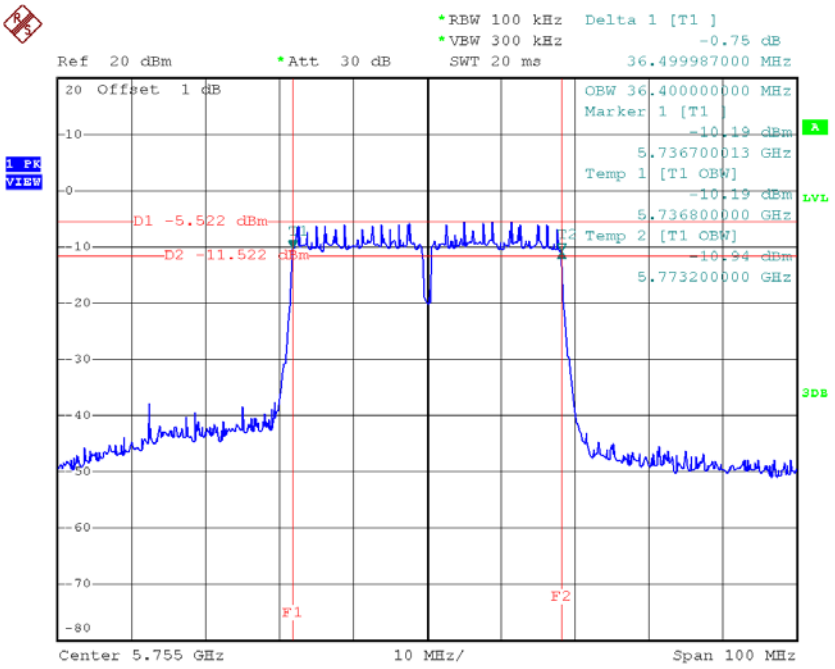


Date: 16.NOV.2015 15:14:56

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

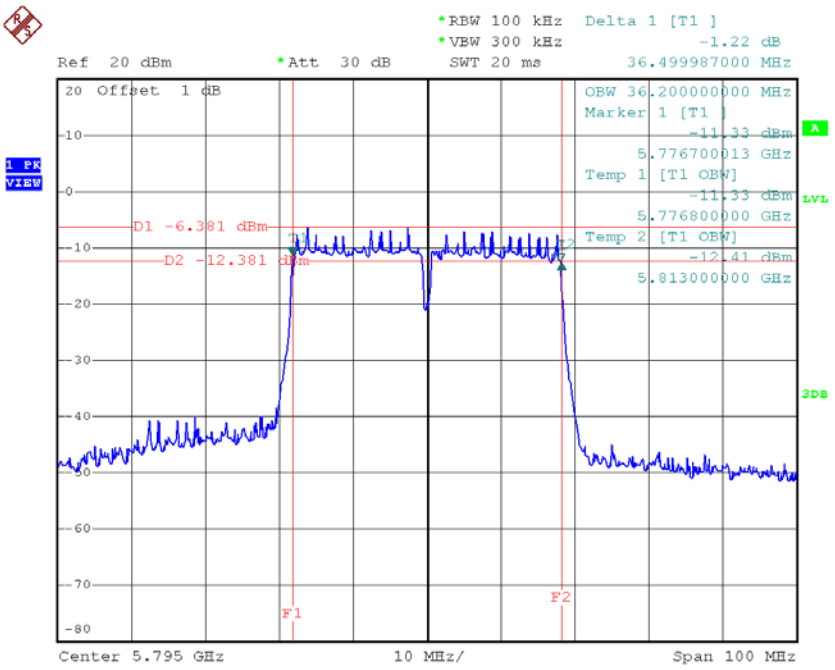
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH151	5755	36.50	36.40	>=500
CH159	5795	36.50	36.20	>=500

TX CH 151



Date: 16.NOV.2015 15:36:51

TX CH 159

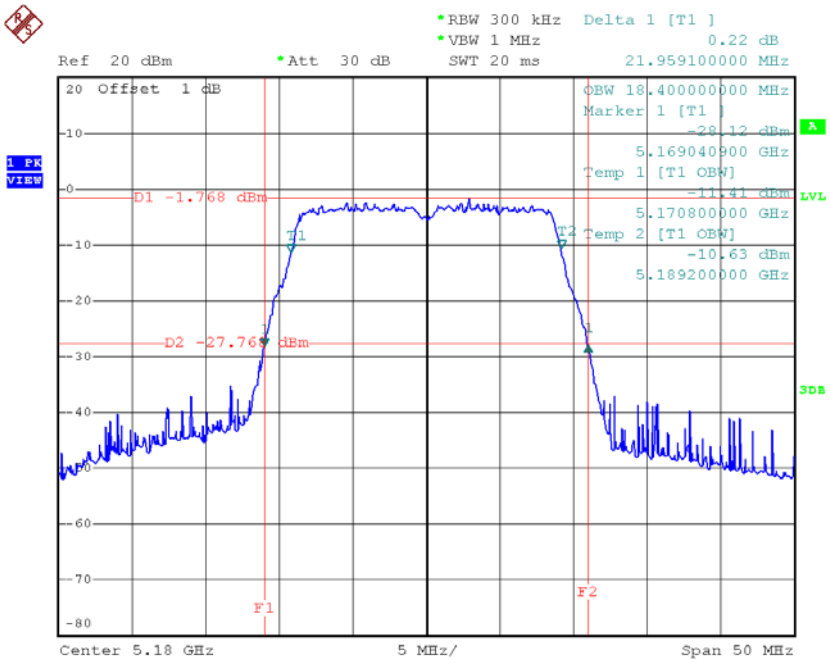


Date: 16.NOV.2015 15:40:12

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

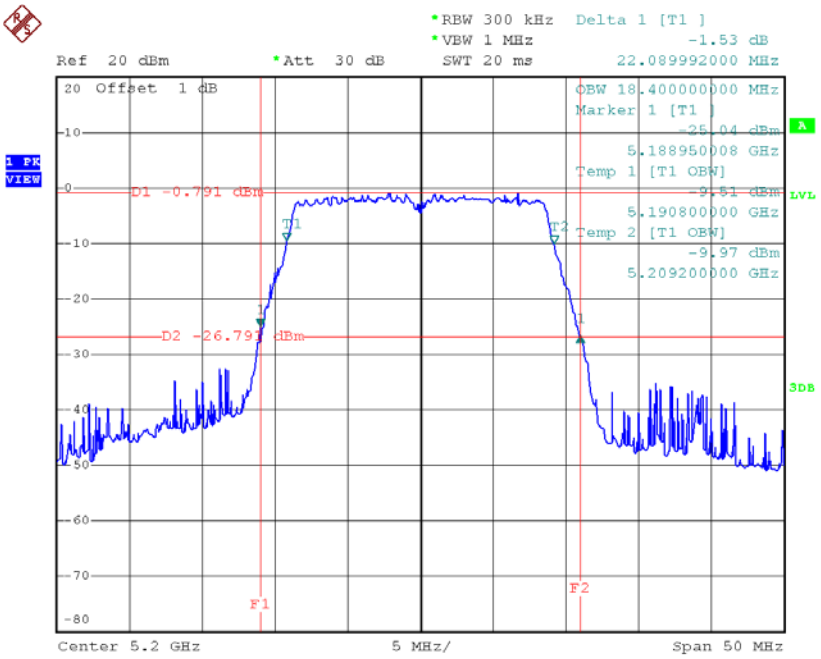
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	21.96	18.40
CH40	5200	22.09	18.40
CH48	5240	22.15	18.30

TX CH36



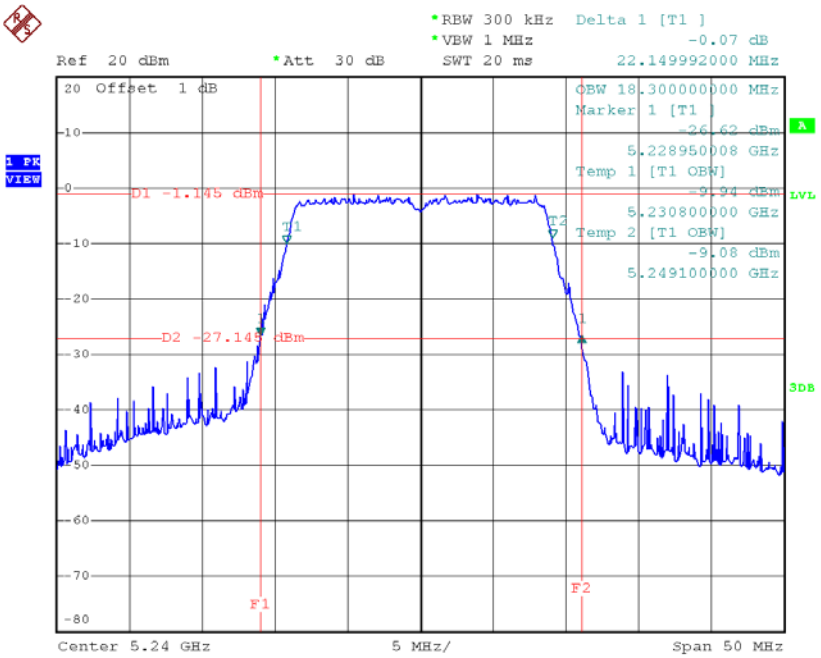
Date: 16.NOV.2015 15:16:10

TX CH40



Date: 16.NOV.2015 15:17:24

TX CH48

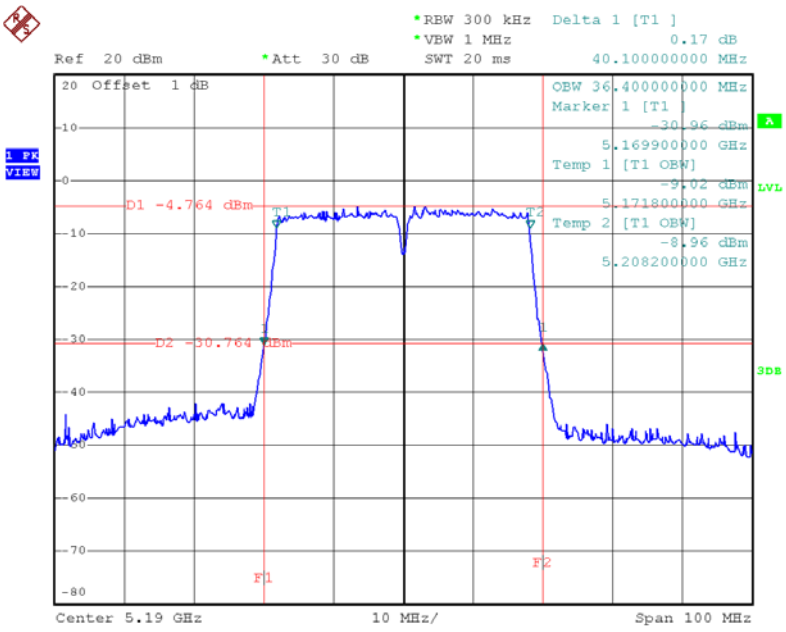


Date: 16.NOV.2015 15:18:16

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

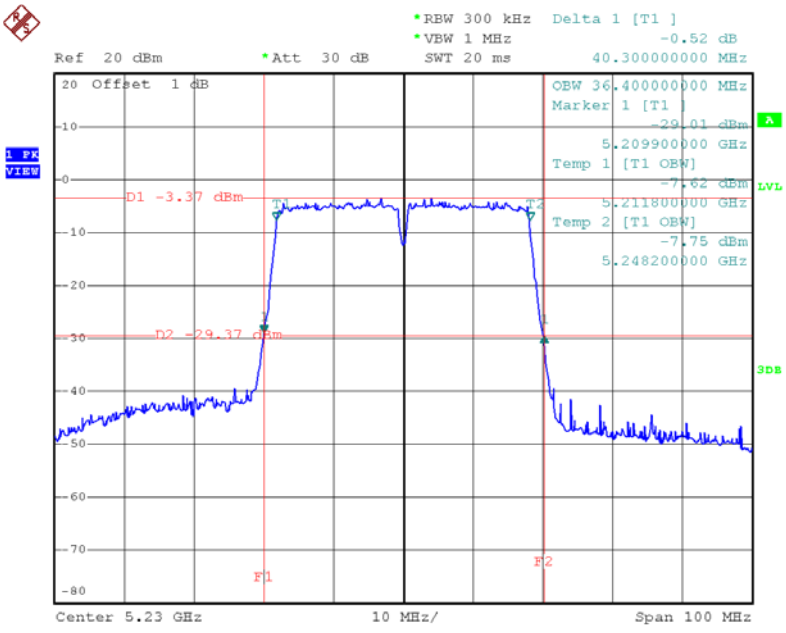
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH38	5190	40.10	36.40
CH46	5230	40.30	36.40

TX CH38



Date: 16.NOV.2015 15:41:47

TX CH46

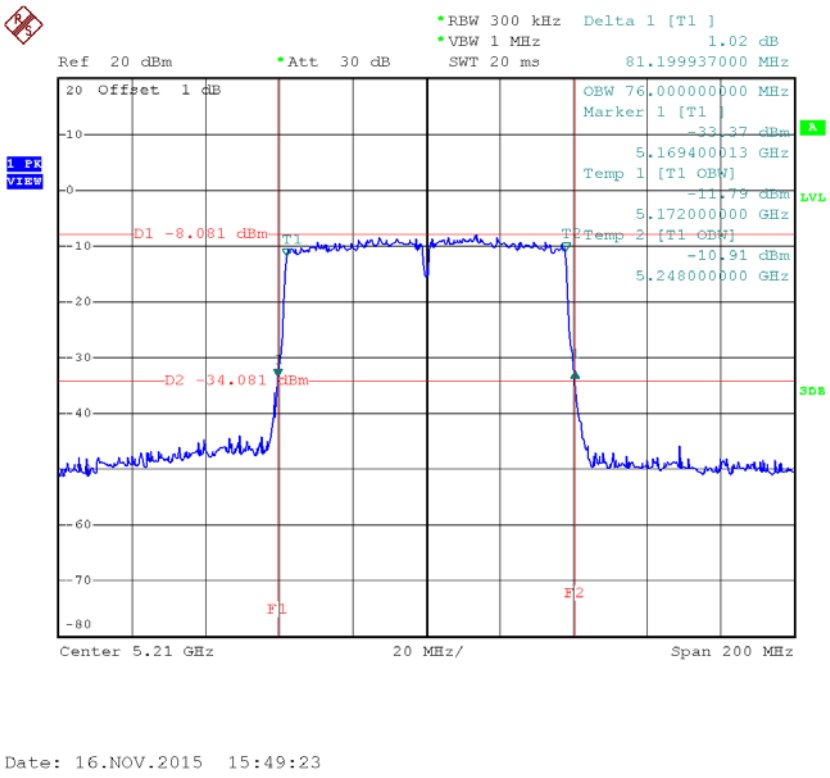


Date: 16.NOV.2015 15:43:25

Test Mode: UNII-1/TX AC80 Mode_CH42

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH42	5210	81.20	76.00

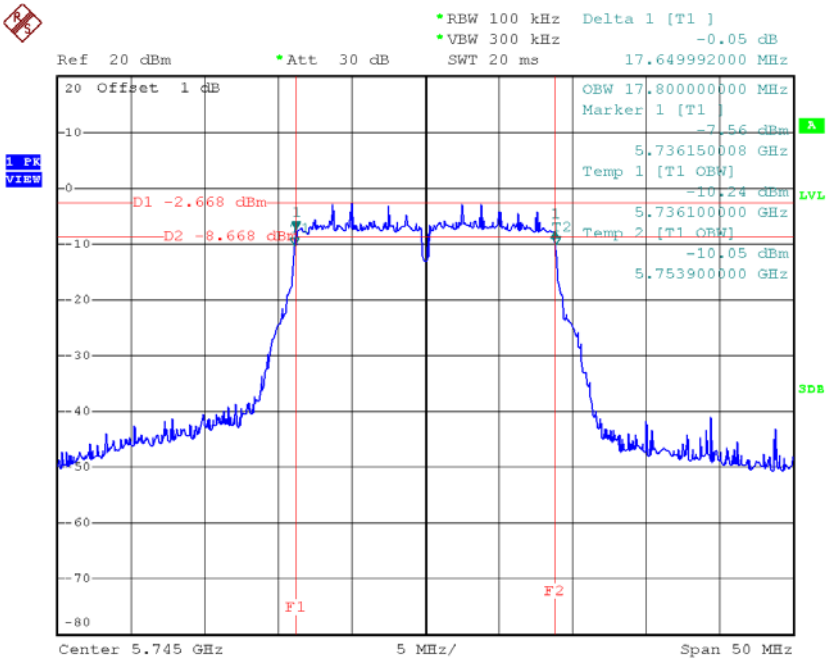
TX CH42



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

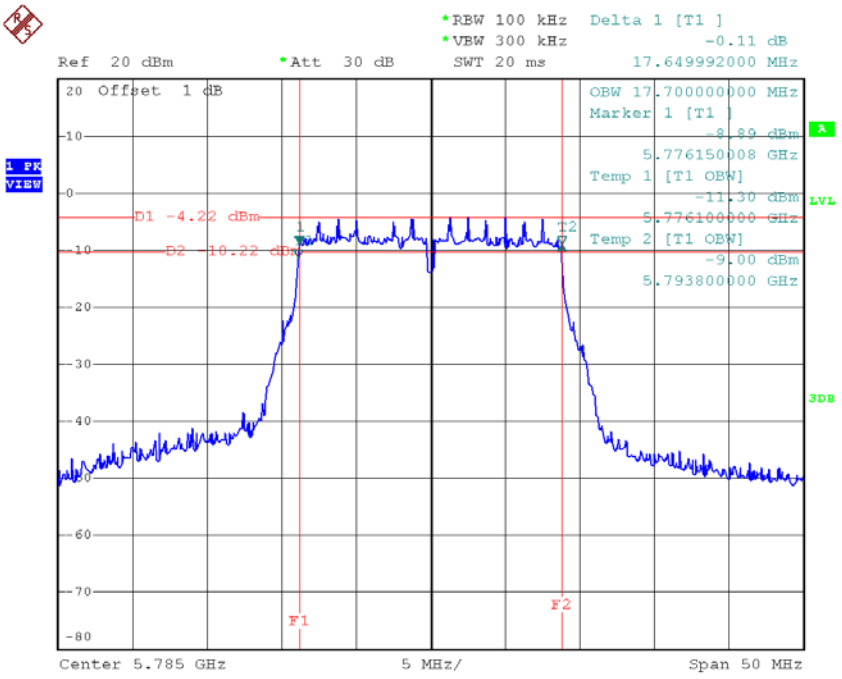
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	17.65	17.80	>=500
CH157	5785	17.65	17.70	>=500
CH165	5825	17.65	17.80	>=500

TX CH 149



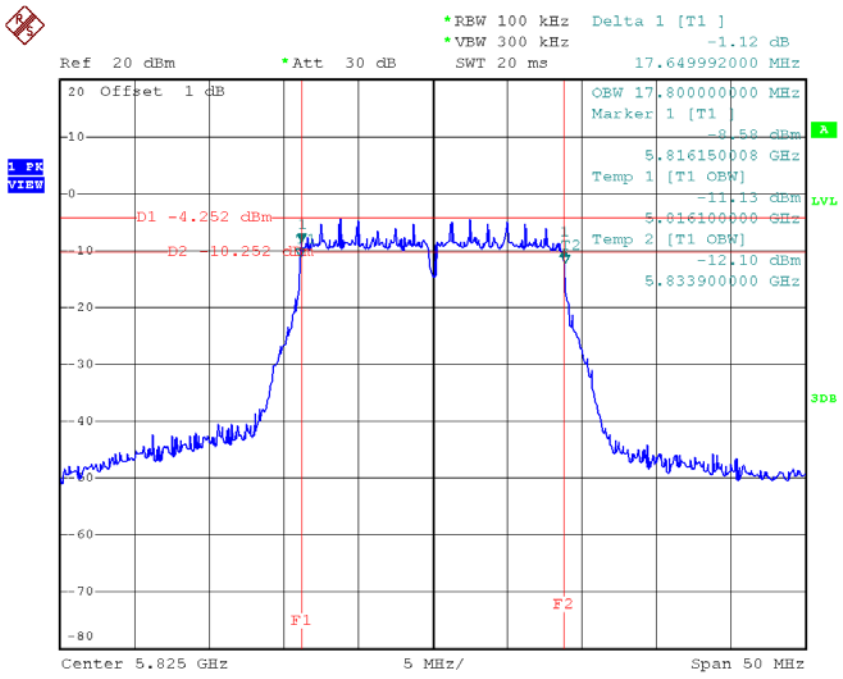
Date: 16.NOV.2015 15:19:25

TX CH 157



Date: 16.NOV.2015 15:20:44

TX CH 165

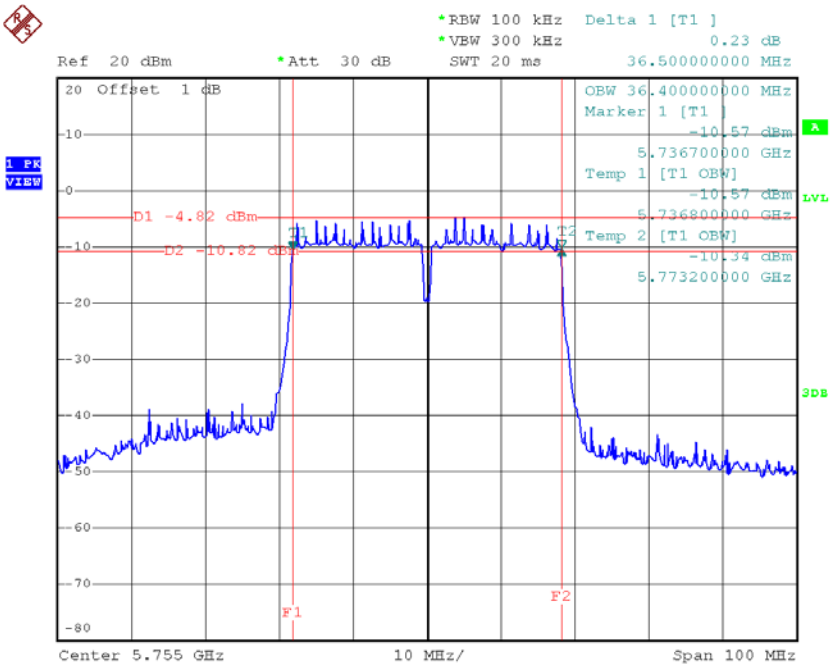


Date: 16.NOV.2015 15:21:46

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

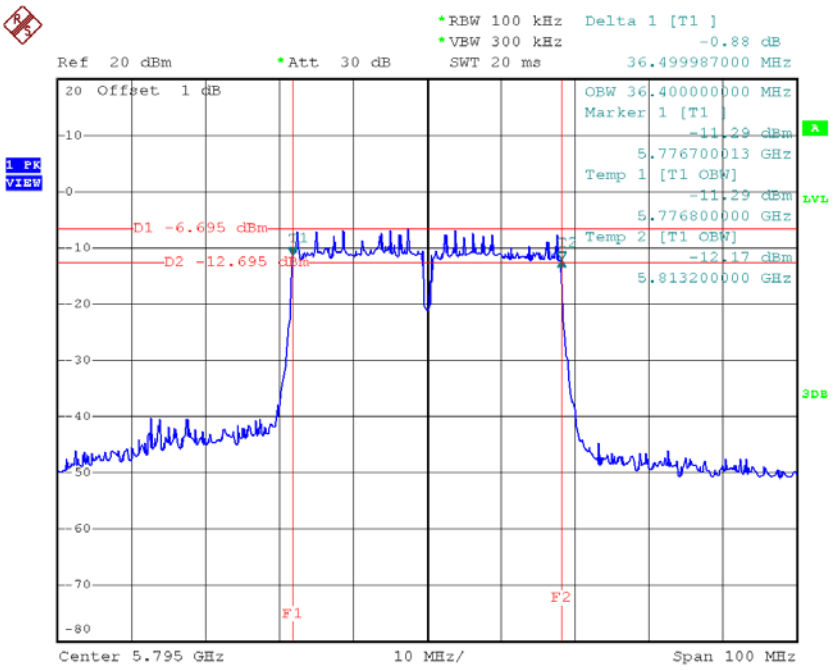
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH151	5755	36.50	36.40	>=500
CH159	5795	36.50	36.40	>=500

TX CH 151



Date: 16.NOV.2015 15:45:12

TX CH 159

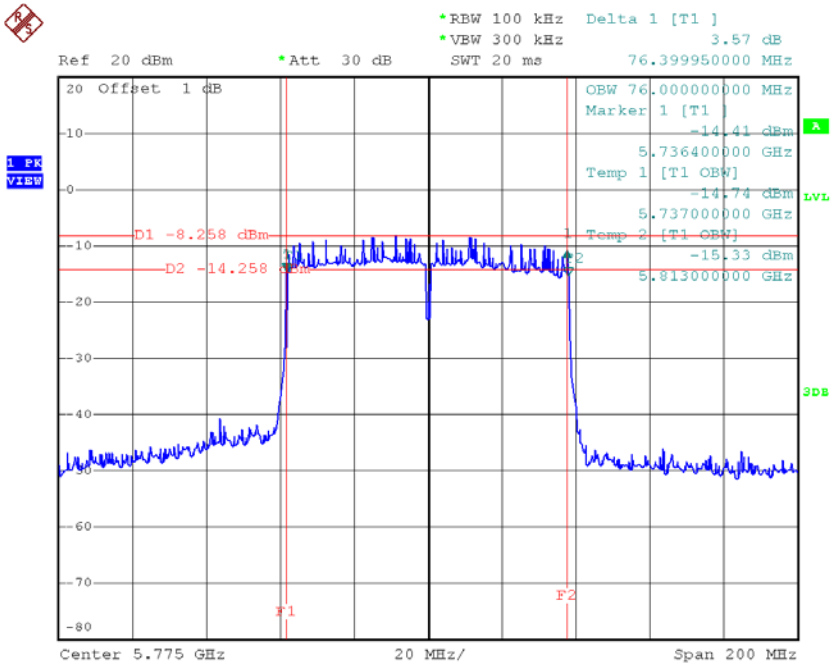


Date: 16.NOV.2015 15:48:10

Test Mode: UNII-3/ TX AC80 Mode_CH155

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH155	5775	76.40	76.00	>=500

TX CH 155



Date: 16.NOV.2015 15:50:52

ATTACHMENT F - MAXIMUM OUTPUT POWER

Test Mode: UNII-1/TX A Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	9.03	1.30	10.33	30.00	1.00
CH40	5200	8.54	1.30	9.84	30.00	1.00
CH48	5240	8.11	1.30	9.41	30.00	1.00

Test Mode: UNII-1/TX N20 Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	7.15	2.28	9.43	30.00	1.00
CH40	5200	8.41	2.28	10.69	30.00	1.00
CH48	5240	8.14	2.28	10.42	30.00	1.00

Test Mode: UNII-1/TX N40 Mode

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	6.58	1.14	7.72	30.00	1.00
CH46	5230	8.08	1.14	9.22	30.00	1.00

Test Mode: UNII-3/ TX A Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	9.38	1.30	10.68	30.00	1.00
CH157	5785	8.13	1.30	9.43	30.00	1.00
CH165	5825	8.36	1.30	9.66	30.00	1.00

Test Mode: UNII-3/TX N20 Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	9.28	2.28	11.56	30.00	1.00
CH157	5785	8.10	2.28	10.38	30.00	1.00
CH165	5825	8.24	2.28	10.52	30.00	1.00

Test Mode: UNII-3/ TX N40 Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	9.34	1.14	10.48	30.00	1.00
CH159	5795	8.09	1.14	9.23	30.00	1.00

Test Mode: UNII-1/TX AC20 Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	7.35	2.75	10.10	30.00	1.00
CH40	5200	8.32	2.75	11.07	30.00	1.00
CH48	5240	8.12	2.75	10.87	30.00	1.00

Test Mode: UNII-1/TX AC40 Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	6.72	1.40	8.12	30.00	1.00
CH46	5230	8.12	1.40	9.52	30.00	1.00

Test Mode: UNII-1/TX AC80 Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH42	5210	6.49	4.45	10.94	30.00	1.00

Test Mode: UNII-3/TX AC20 Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	9.24	2.75	11.99	30.00	1.00
CH157	5785	8.16	2.75	10.91	30.00	1.00
CH165	5825	8.35	2.75	11.10	30.00	1.00

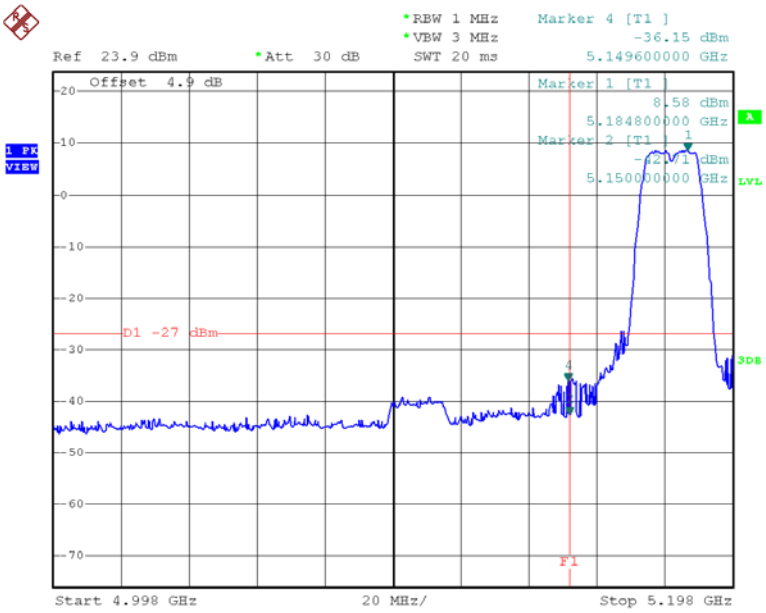
Test Mode: UNII-3/TX AC40 Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	9.31	1.40	10.71	30.00	1.00
CH159	5795	8.16	1.40	9.56	30.00	1.00

Test Mode: UNII-3/TX AC80 Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dBm)	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH155	5775	8.75	4.45	13.20	30.00	1.00

ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION

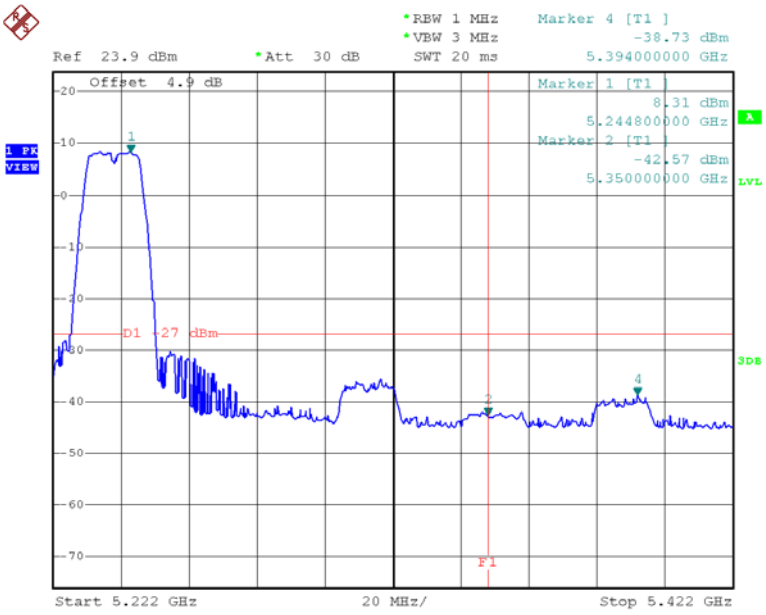
Test Mode:	UNII-1/TX A Mode

TX mode CH36



Date: 16.NOV.2015 14:55:17

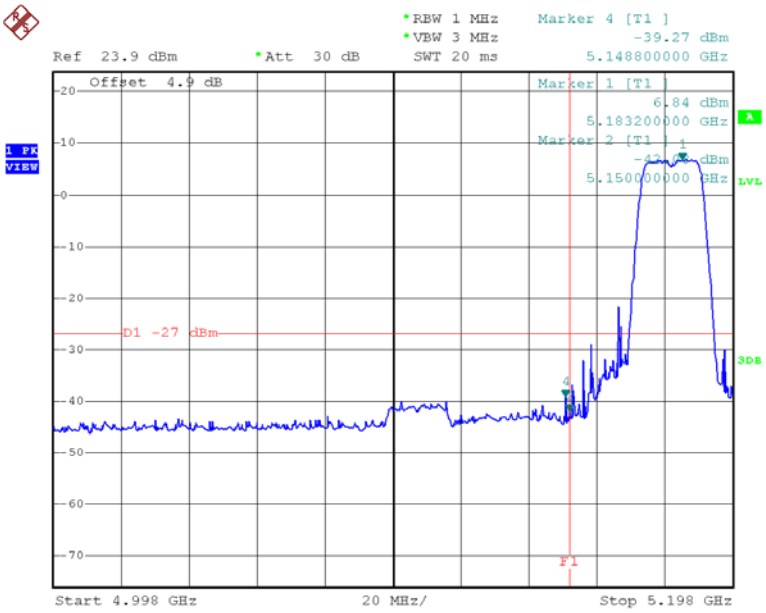
TX mode CH48



Date: 16.NOV.2015 14:59:31

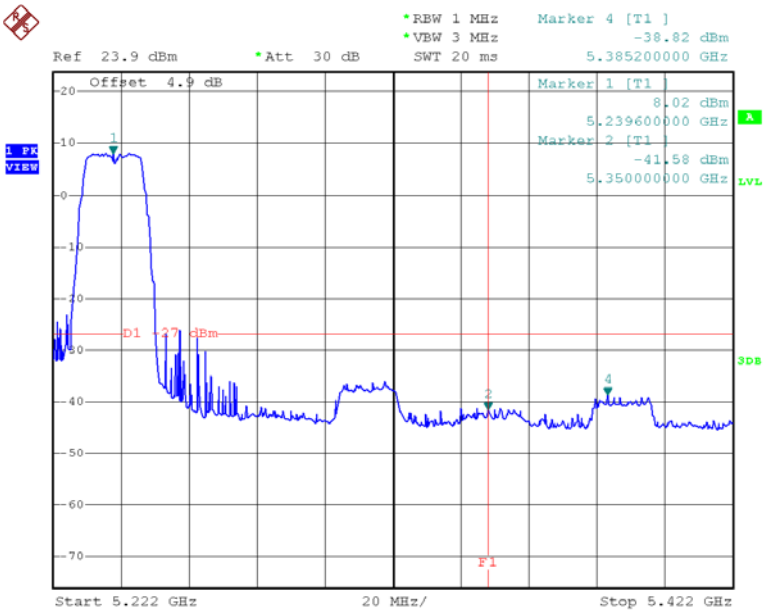
Test Mode:	UNII-1/TX N20 Mode

TX mode CH36



Date: 16.NOV.2015 15:07:13

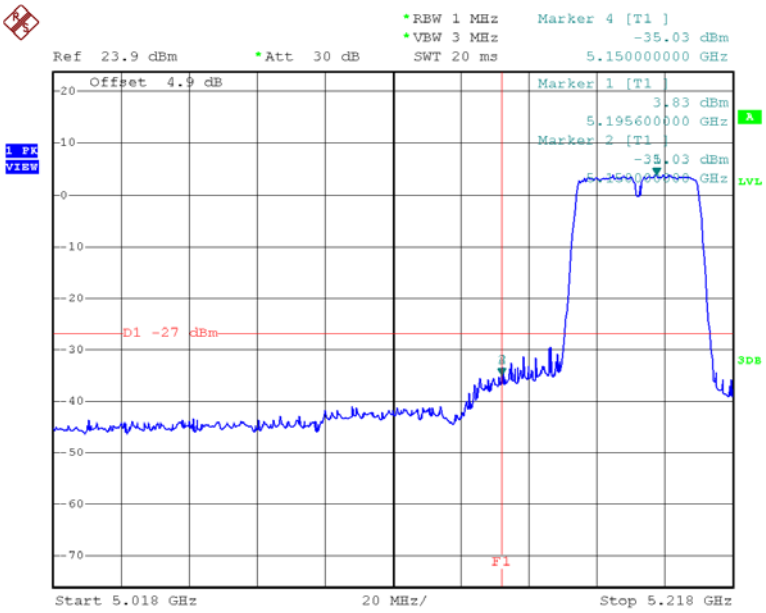
TX mode CH48



Date: 16.NOV.2015 15:09:26

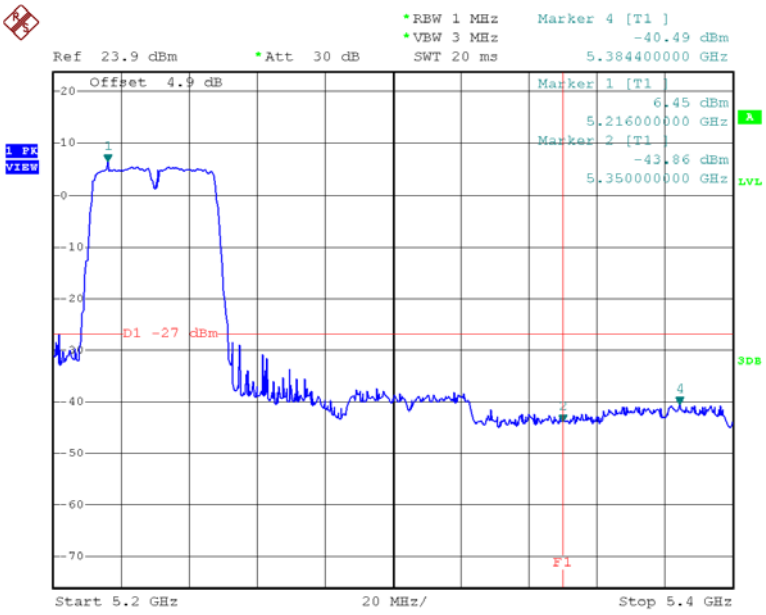
Test Mode:	UNII-1/TX N40 Mode

TX mode CH38



Date: 16.NOV.2015 15:23:30

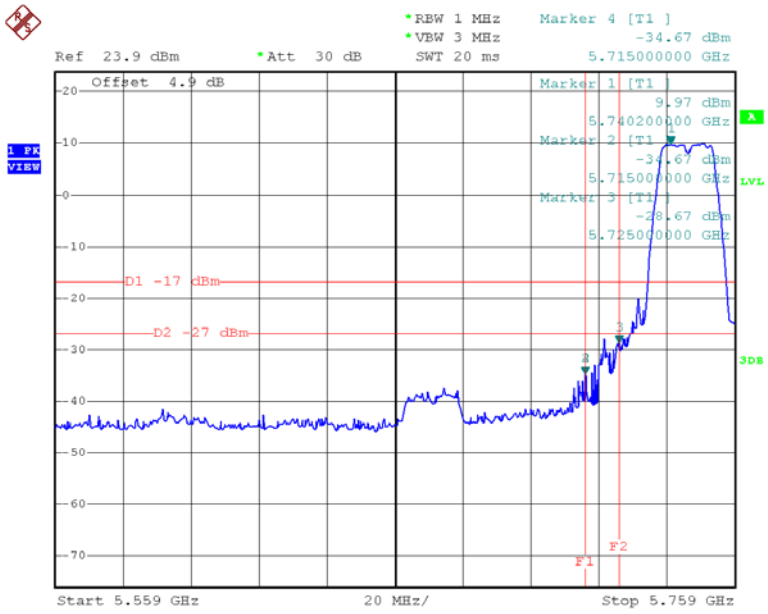
TX mode CH46



Date: 16.NOV.2015 15:24:45

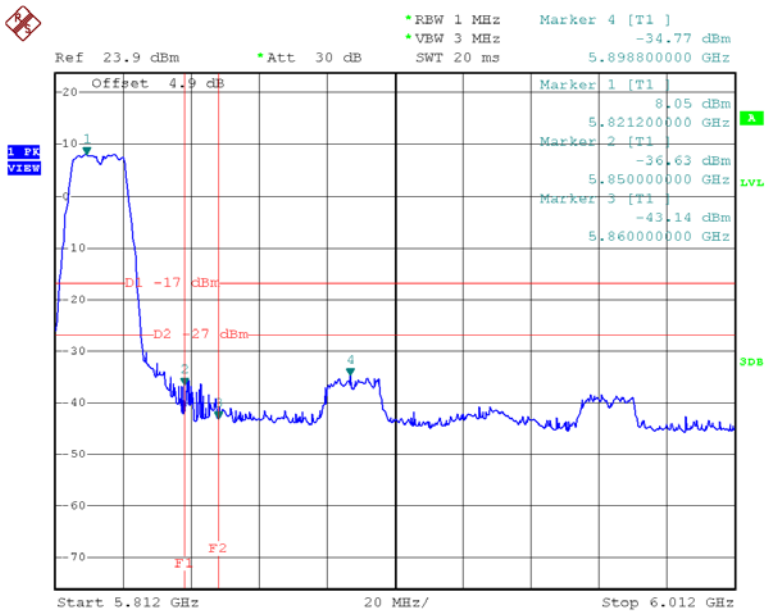
Test Mode:	UNII-3/TX A Mode

TX A Mode CH149



Date: 16.NOV.2015 15:00:43

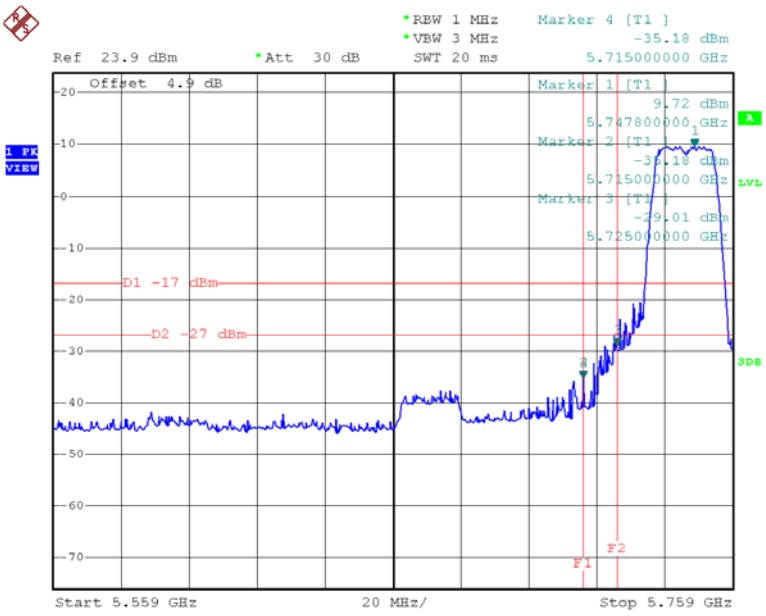
TX A Mode CH165



Date: 16.NOV.2015 15:05:51

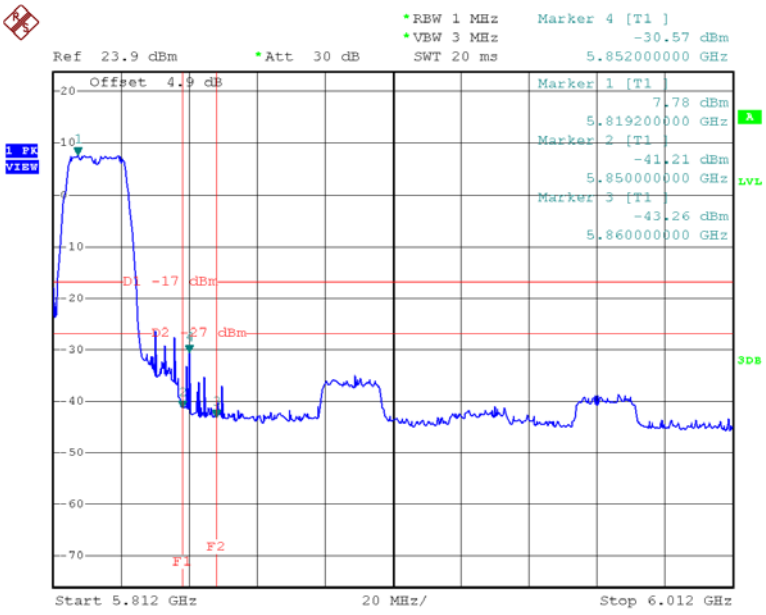
Test Mode:	UNII-3/TX N20 Mode

TX HT20 mode CH149



Date: 16.NOV.2015 15:12:44

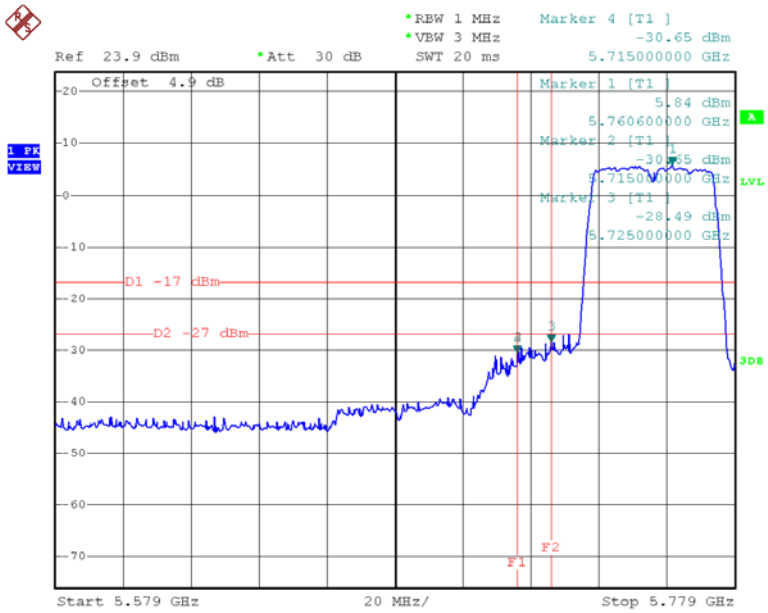
TX HT20 mode CH165



Date: 16.NOV.2015 15:15:15

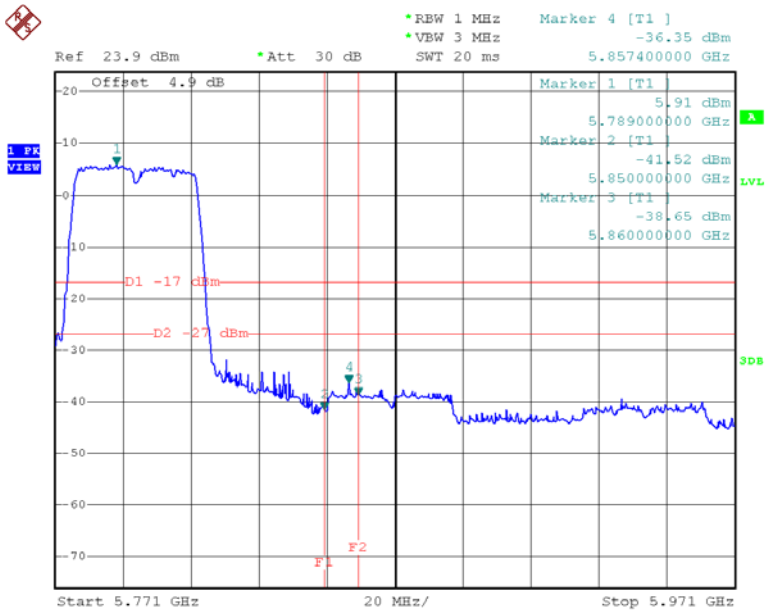
Test Mode:	UNII-3/TX N40 Mode

UNII-3/TX HT40 mode CH151



Date: 16.NOV.2015 15:55:25

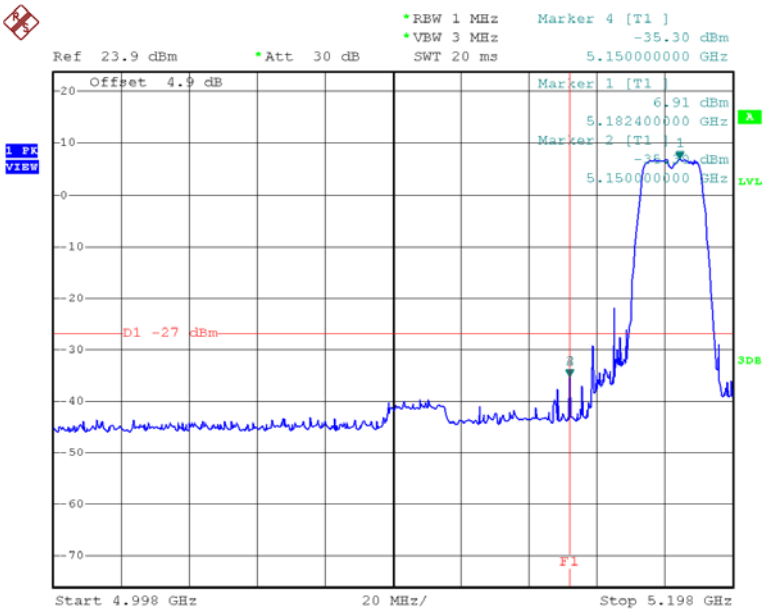
UNII-3/TX HT40 mode CH159



Date: 16.NOV.2015 15:40:31

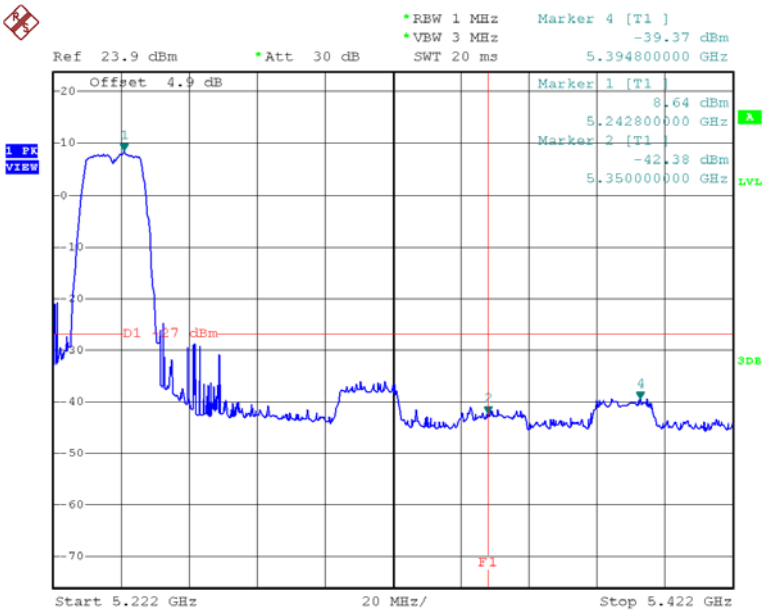
Test Mode:	UNII-1/TX AC20 Mode

TX mode CH36



Date: 16.NOV.2015 15:16:28

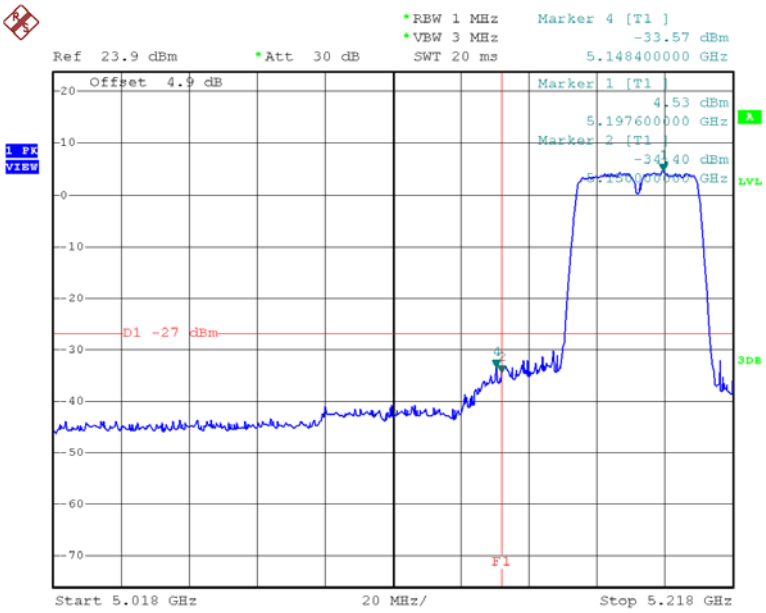
TX mode CH48



Date: 16.NOV.2015 15:18:34

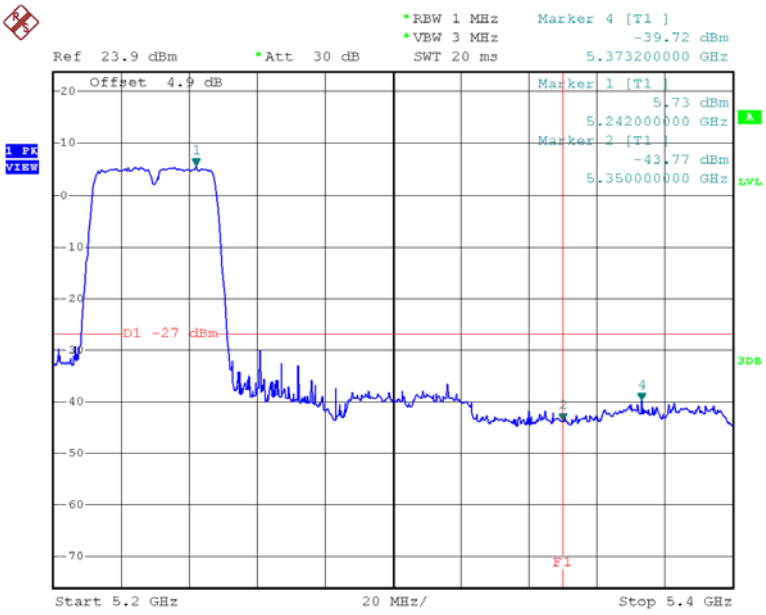
Test Mode:	UNII-1/TX AC40 Mode

TX mode CH38



Date: 16.NOV.2015 15:42:06

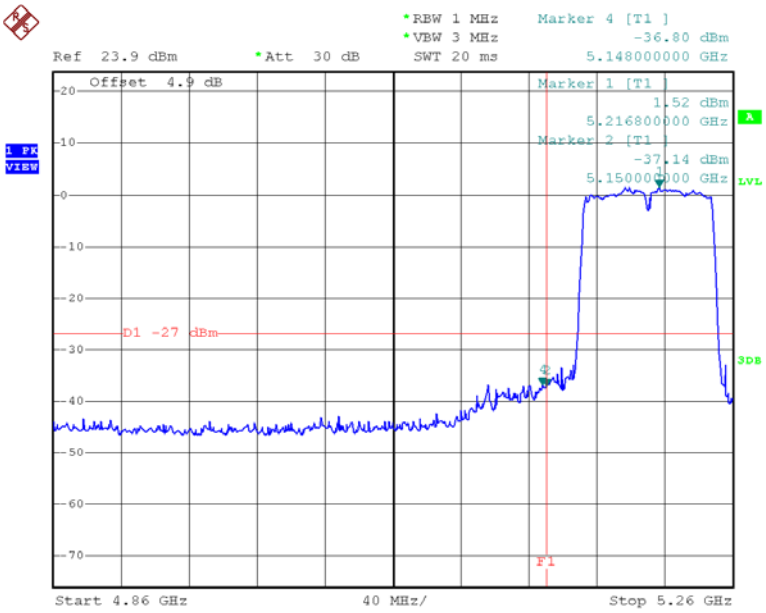
TX mode CH46



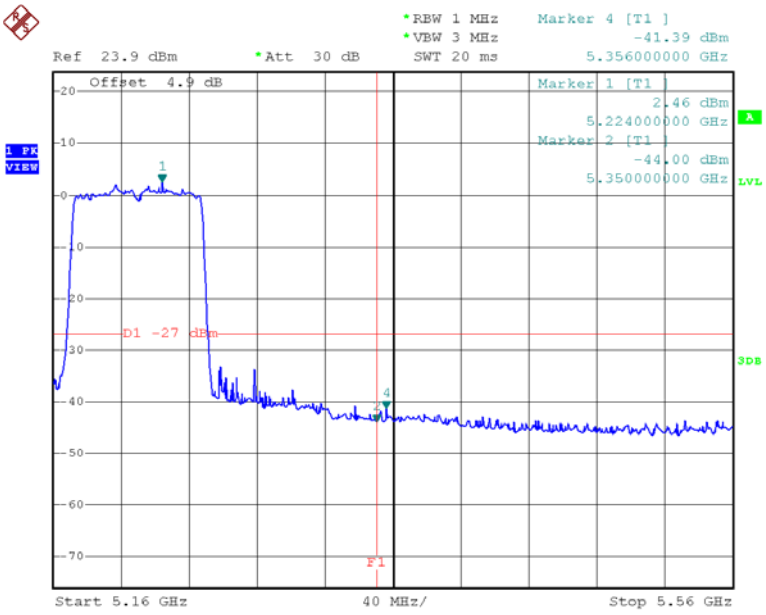
Date: 16.NOV.2015 15:43:43

Test Mode:	UNII-1/TX AC80 Mode

TX mode CH42



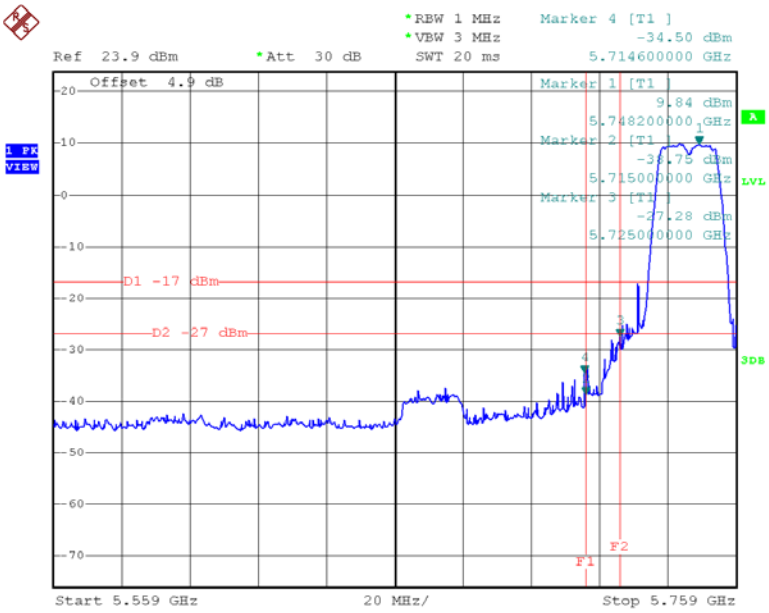
Date: 16.NOV.2015 15:49:52



Date: 16.NOV.2015 15:50:00

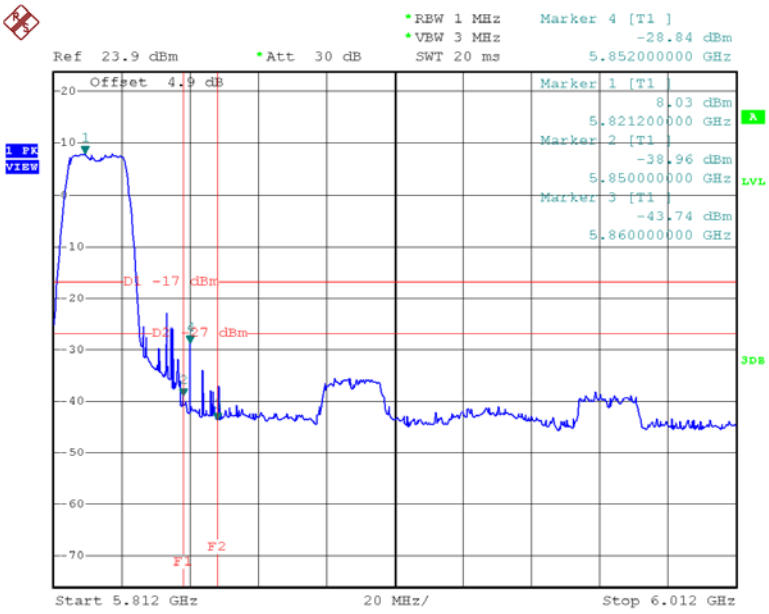
Test Mode:	UNII-3/TX AC20 Mode

TX AC HT20 mode CH149



Date: 16.NOV.2015 15:19:51

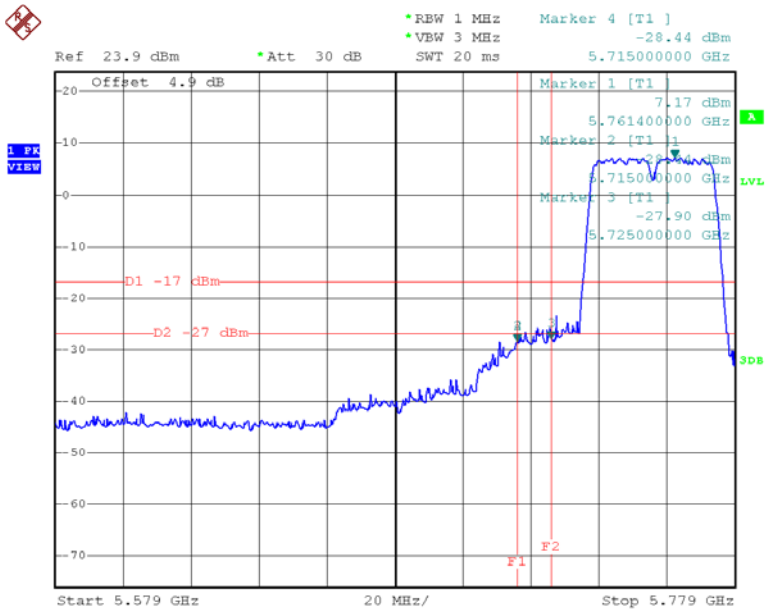
TX AC HT20 mode CH165



Date: 16.NOV.2015 15:22:05

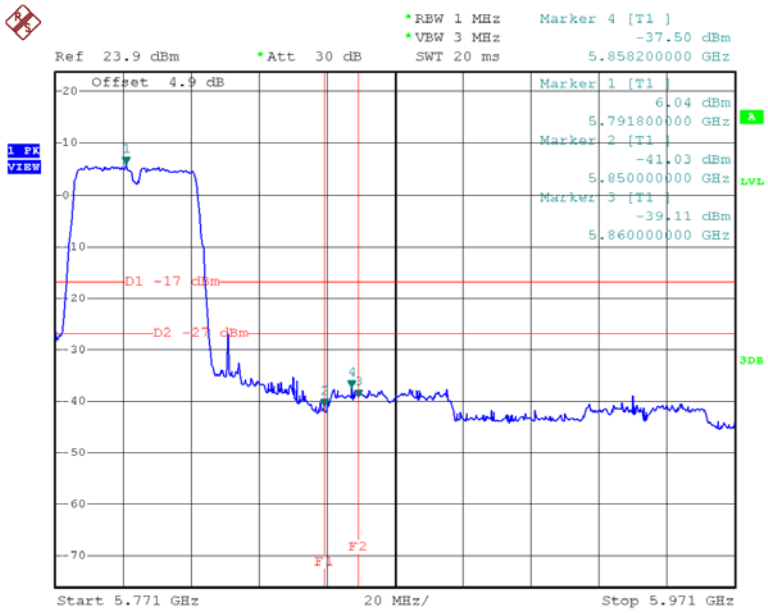
Test Mode:	UNII-3/TX AC40 Mode

TX AC HT40 mode CH151



Date: 16.NOV.2015 15:47:18

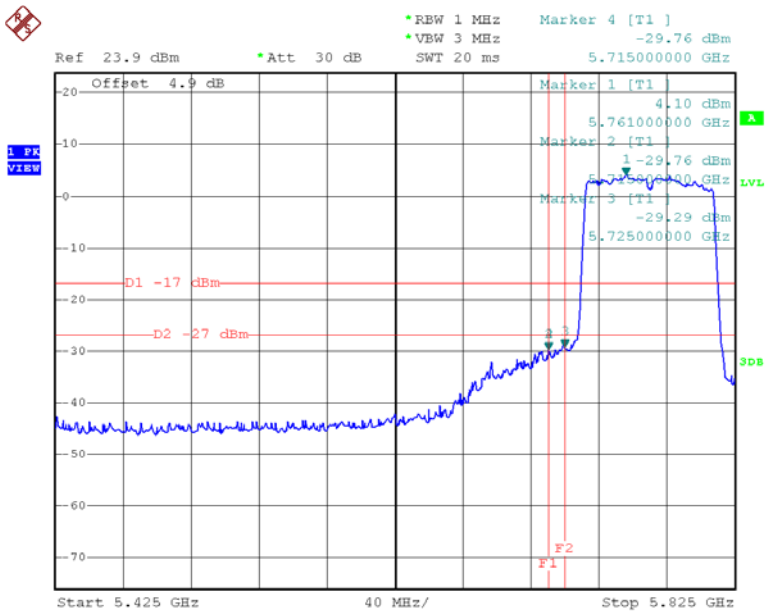
TX AC HT40 mode CH159



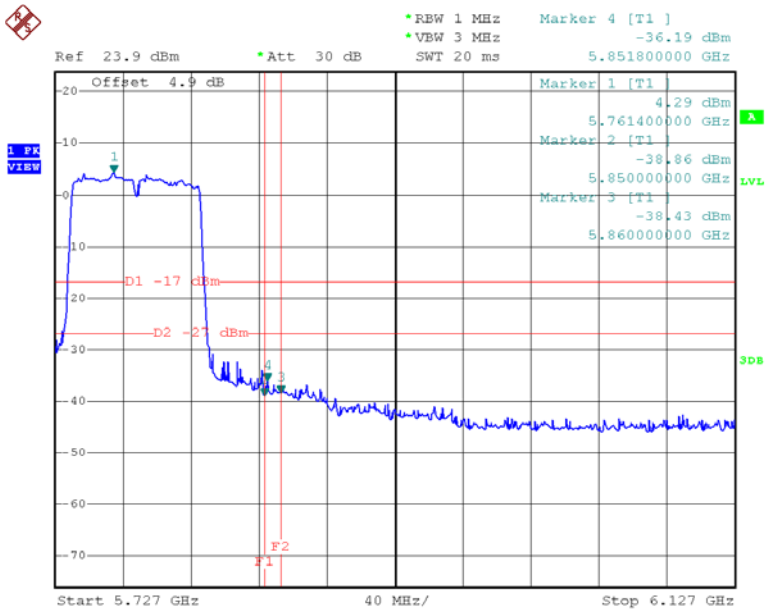
Date: 16.NOV.2015 15:48:28

Test Mode:	UNII-3/TX AC80 Mode

TX AC HT80 mode CH155



Date: 16.NOV.2015 15:51:14



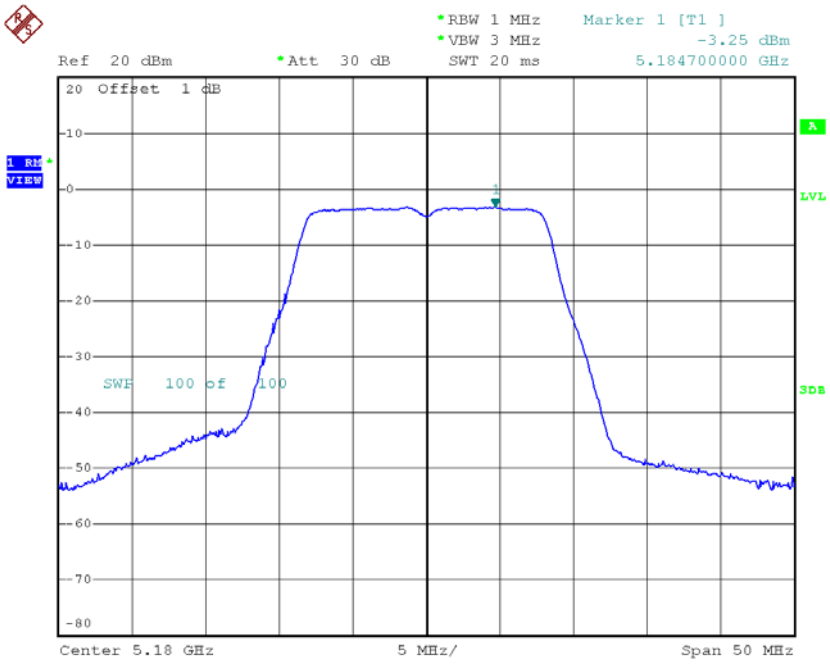
Date: 16.NOV.2015 15:51:23

ATTACHMENT H - POWER SPECTRAL DENSITY

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

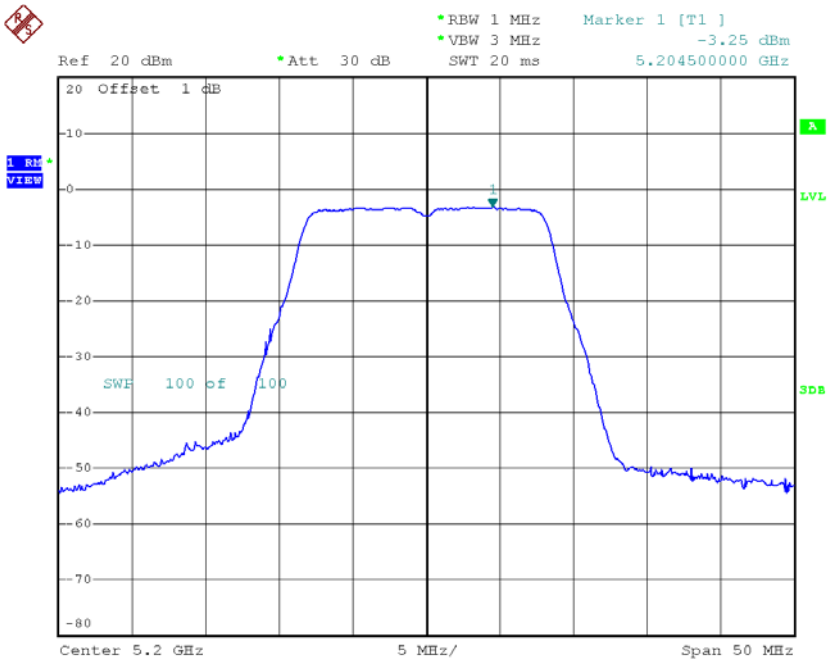
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dBm/MHz)	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	-3.25	1.30	-1.95	17.00
CH40	5200	-3.25	1.30	-1.95	17.00
CH48	5240	-3.46	1.30	-2.16	17.00

CH36



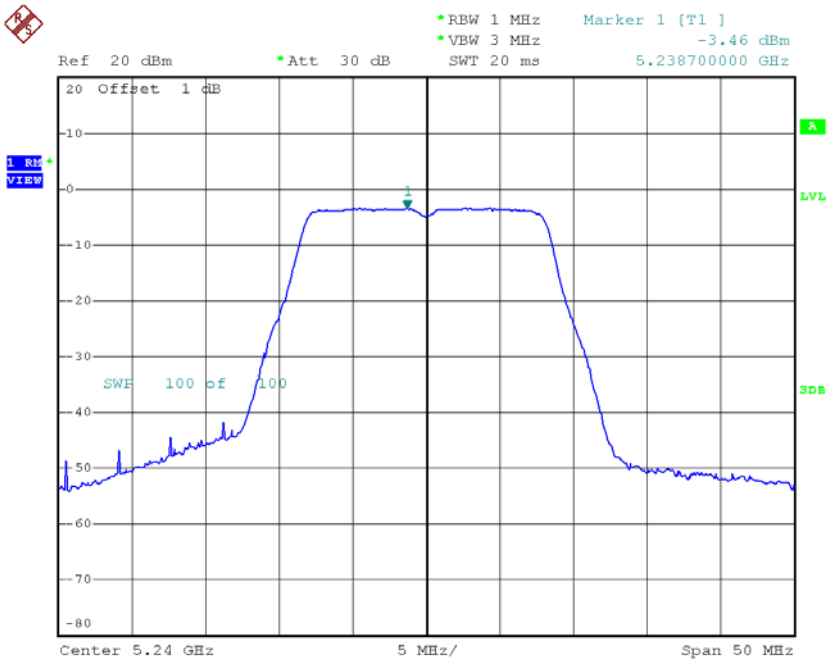
Date: 16.NOV.2015 14:55:09

CH40



Date: 16.NOV.2015 14:58:14

CH48

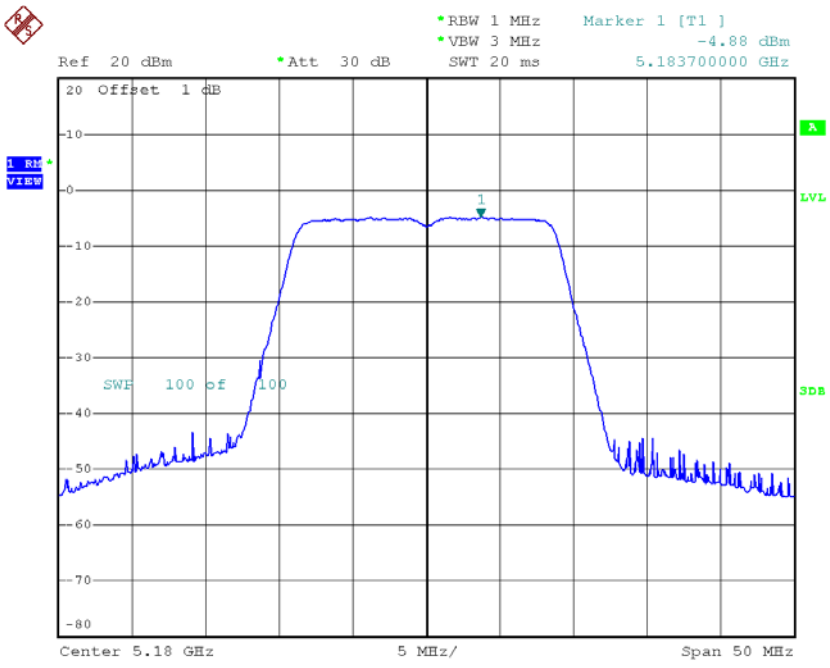


Date: 16.NOV.2015 14:59:23

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

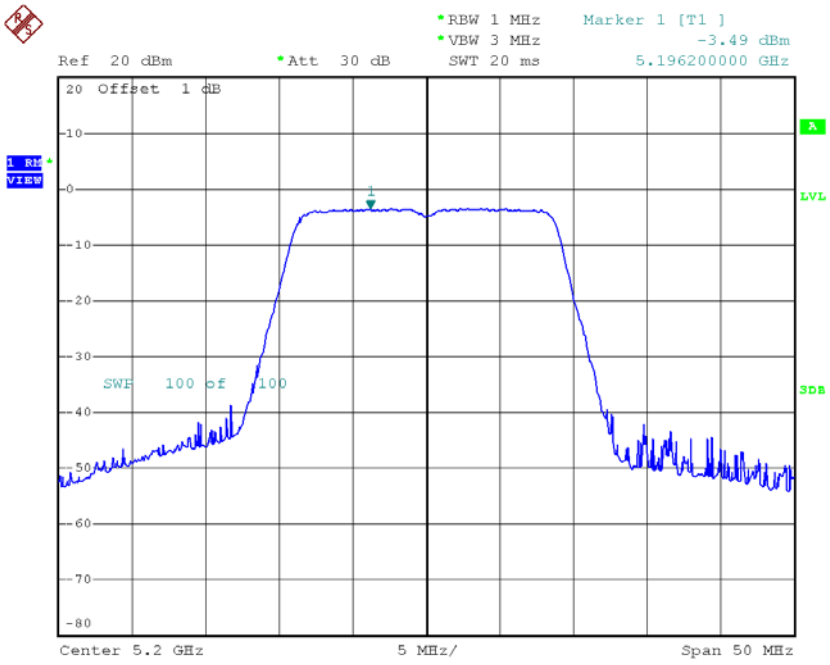
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dBm/MHz)	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	-4.88	2.28	-2.60	17.00
CH40	5200	-3.49	2.28	-1.21	17.00
CH48	5240	-3.59	2.28	-1.31	17.00

CH36



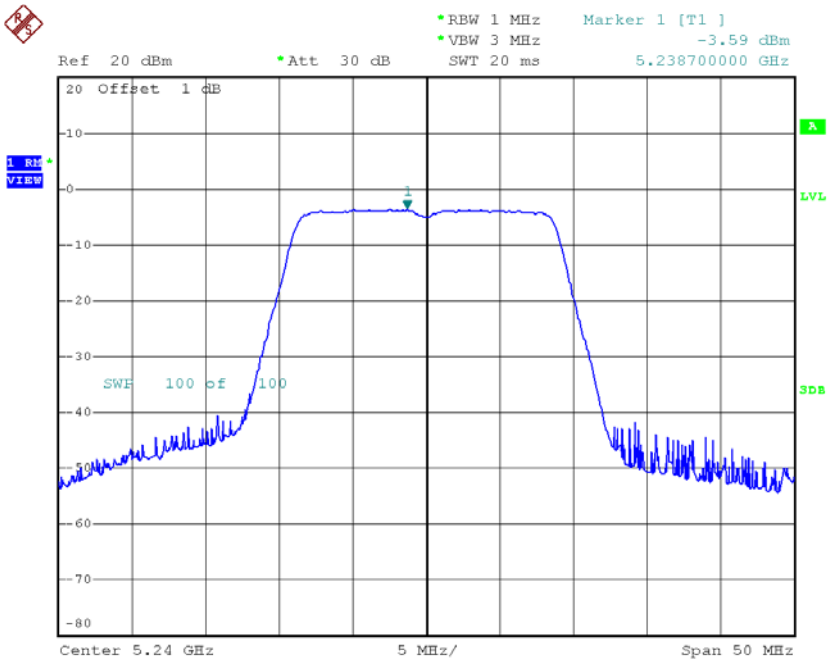
Date: 16.NOV.2015 15:07:05

CH40



Date: 16.NOV.2015 15:08:24

CH48

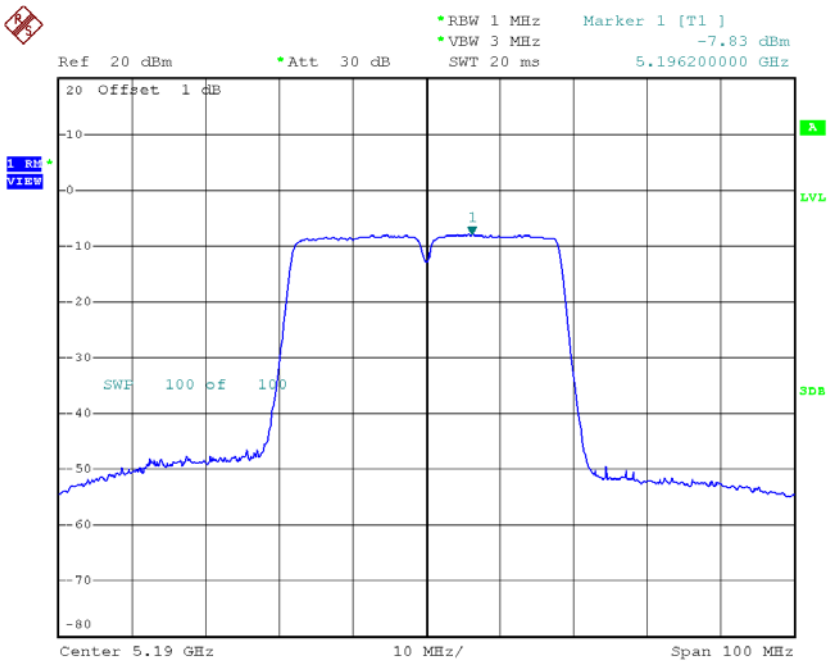


Date: 16.NOV.2015 15:09:17

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

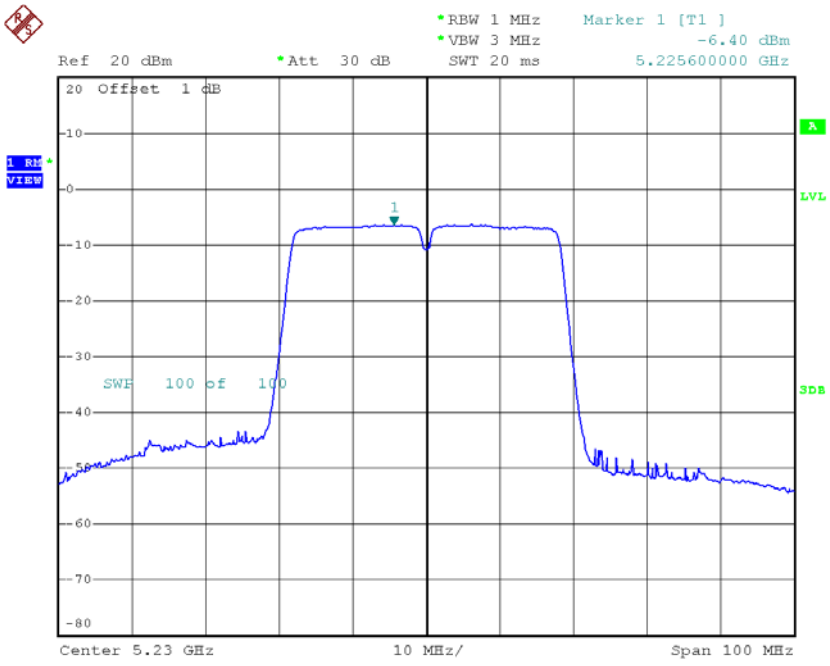
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dBm/MHz)	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	-7.83	1.14	-6.69	17.00
CH46	5230	-6.40	1.14	-5.26	17.00

CH38



Date: 16.NOV.2015 15:23:22

CH46

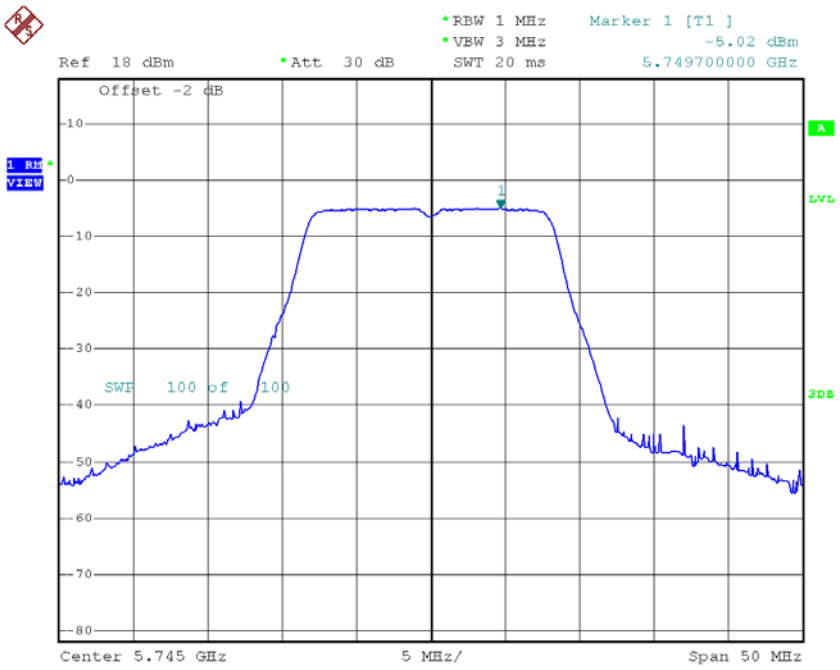


Date: 16.NOV.2015 15:24:37

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

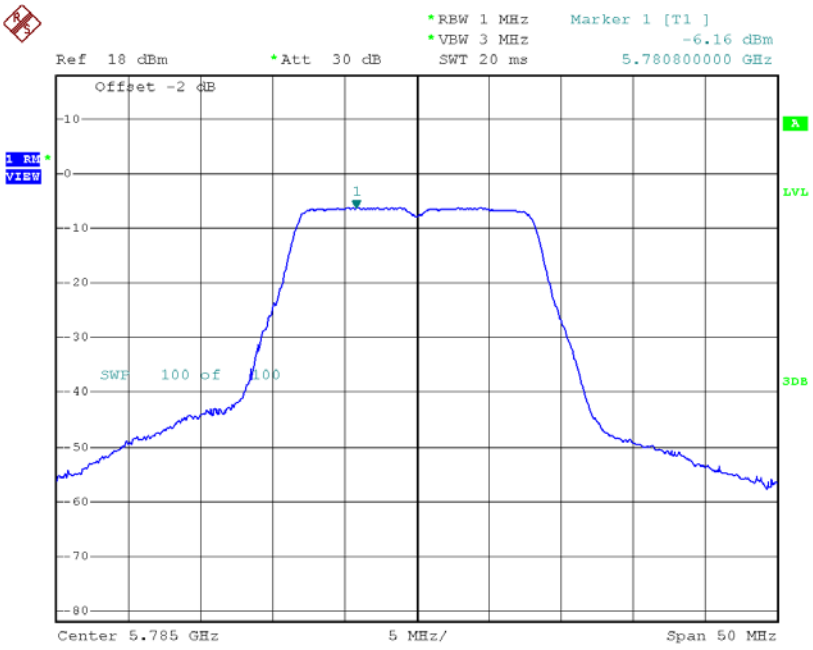
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor (dBm/500kHz)	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	-5.02	1.30	-3.72	30.00
CH157	5785	-6.16	1.30	-4.86	30.00
CH165	5825	-6.69	1.30	-5.39	30.00

TX CH149



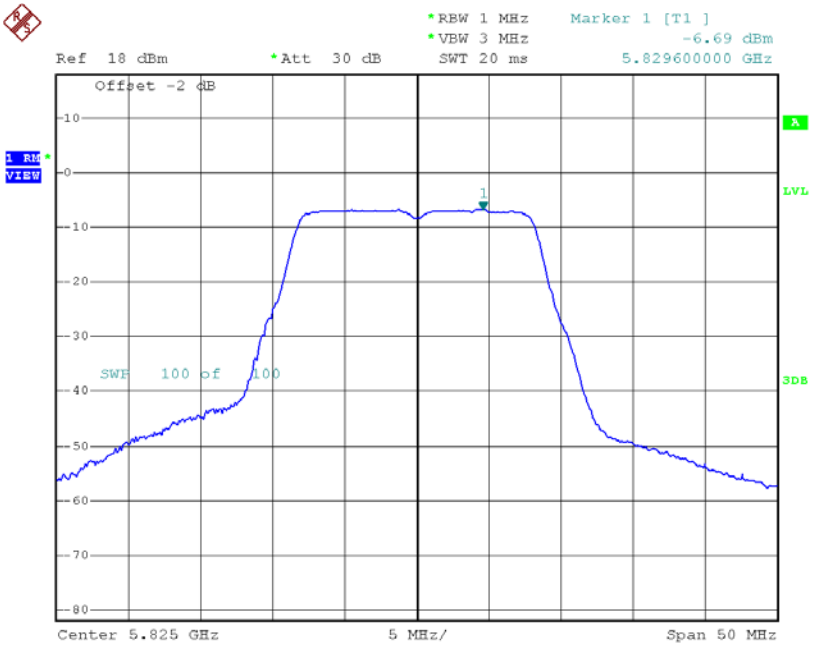
Date: 16.NOV.2015 14:59:55

TX CH157



Date: 16.NOV.2015 15:04:40

TX CH165

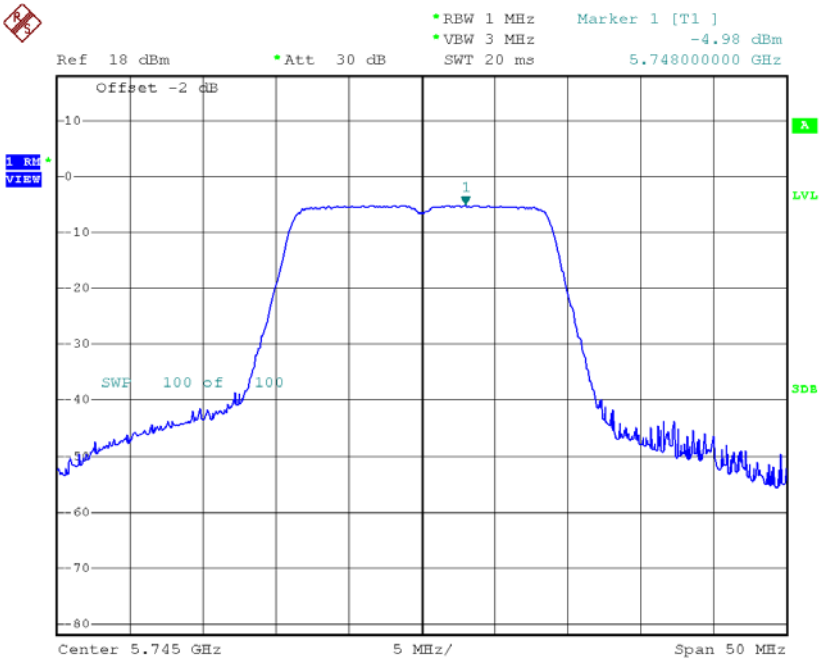


Date: 16.NOV.2015 15:05:42

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

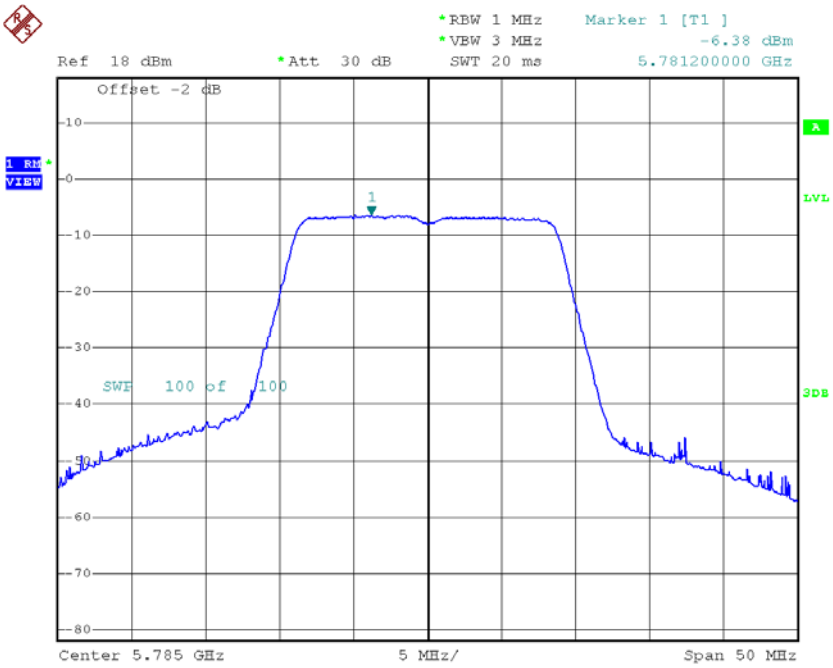
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor (dBm/500kHz)	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	-4.98	2.28	-2.70	30.00
CH157	5785	-6.38	2.28	-4.10	30.00
CH165	5825	-7.18	2.28	-4.90	30.00

TX CH149



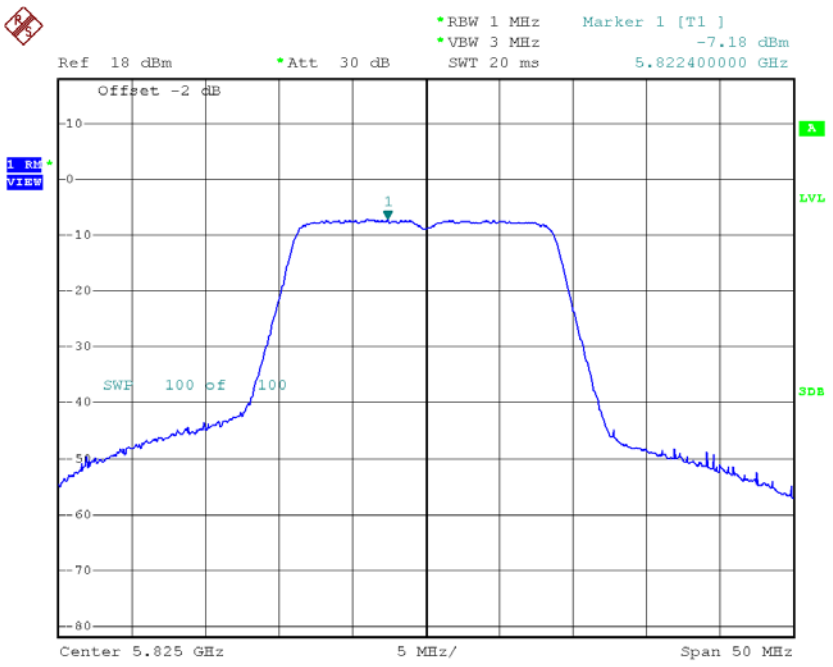
Date: 16.NOV.2015 15:12:28

TX CH157



Date: 16.NOV.2015 15:13:59

TX CH165

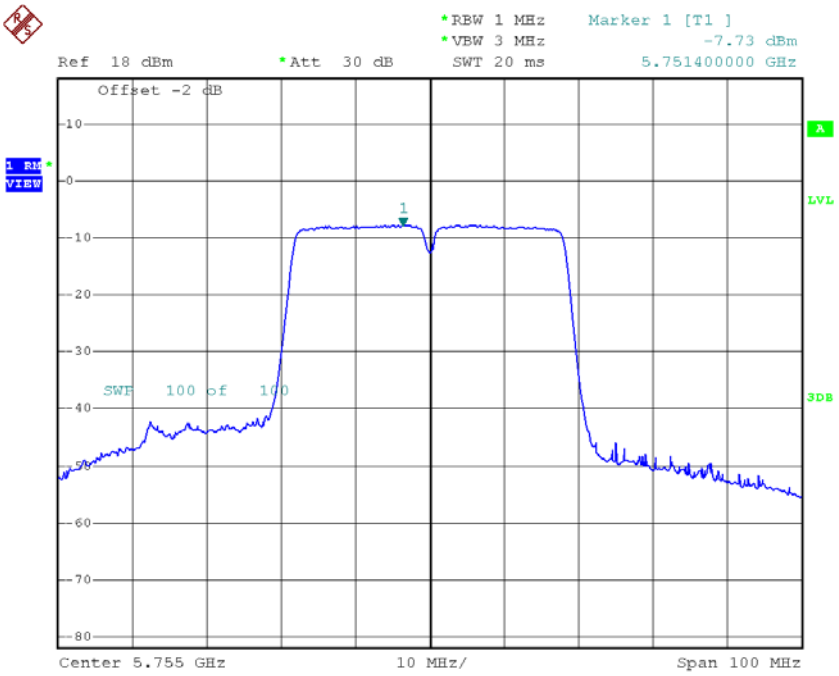


Date: 16.NOV.2015 15:15:06

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

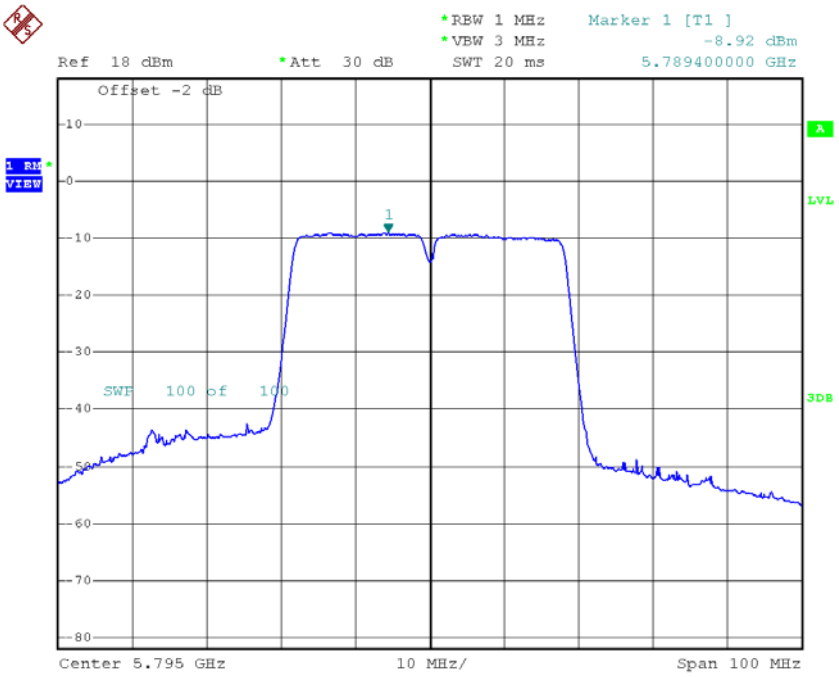
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor (dBm/500kHz)	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH151	5755	-7.73	1.14	-6.59	30.00
CH159	5795	-8.92	1.14	-7.78	30.00

TX CH151



Date: 16.NOV.2015 15:37:01

TX CH159

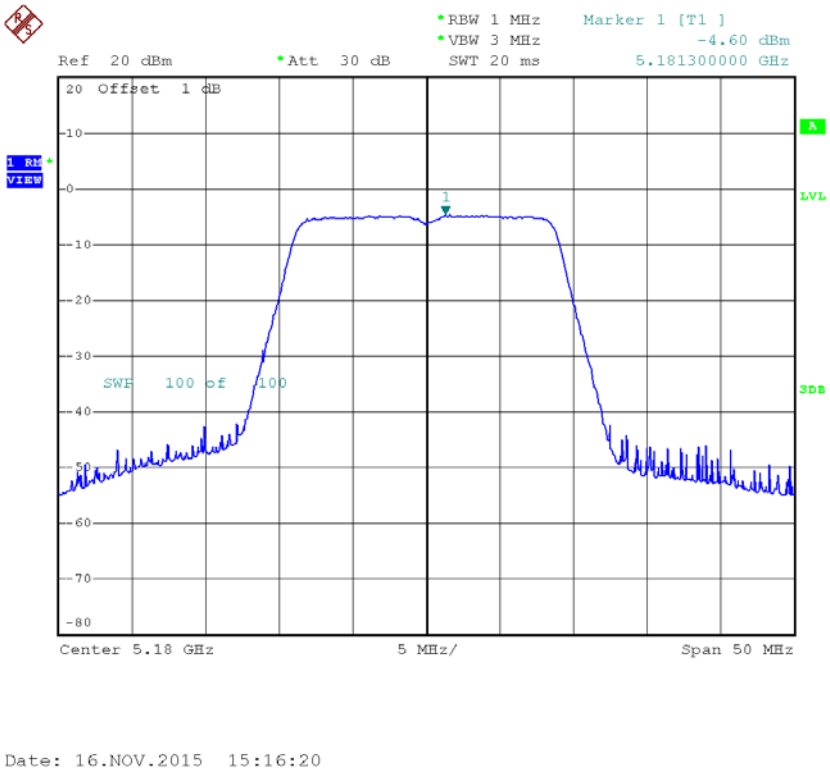


Date: 16.NOV.2015 15:40:22

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

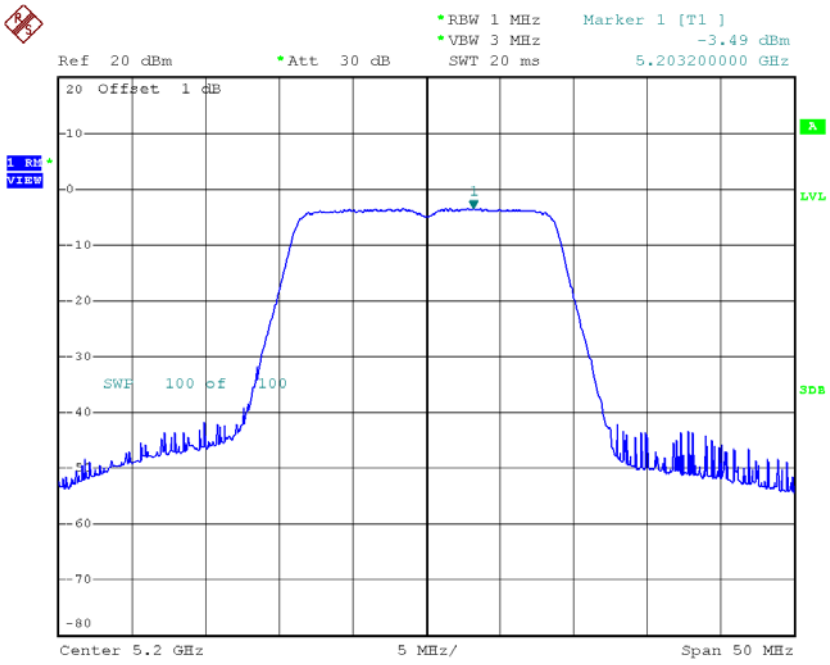
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dBm/MHz)	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	-4.60	2.75	-1.85	17.00
CH40	5200	-3.49	2.75	-0.74	17.00
CH48	5240	-3.77	2.75	-1.02	17.00

CH36



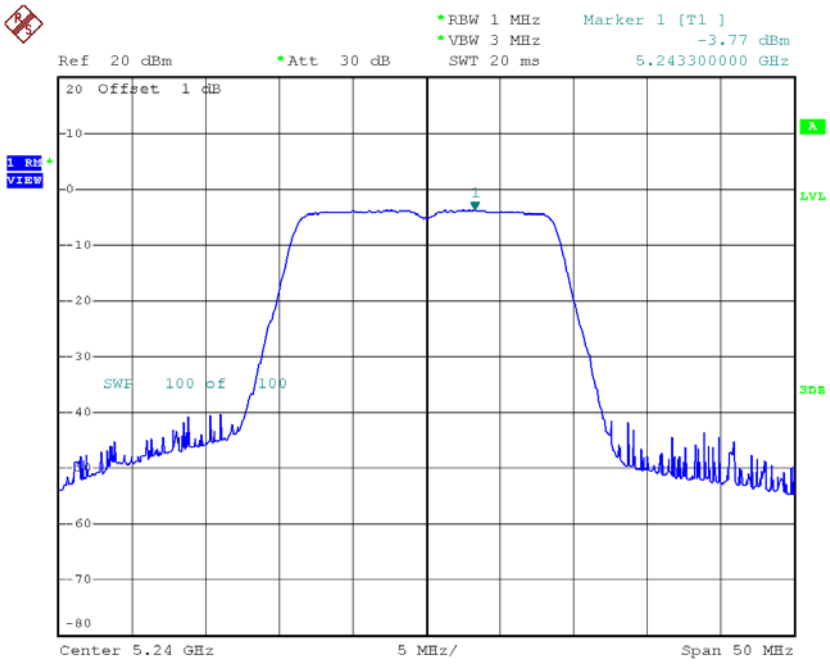
Date: 16.NOV.2015 15:16:20

CH40



Date: 16.NOV.2015 15:17:34

CH48

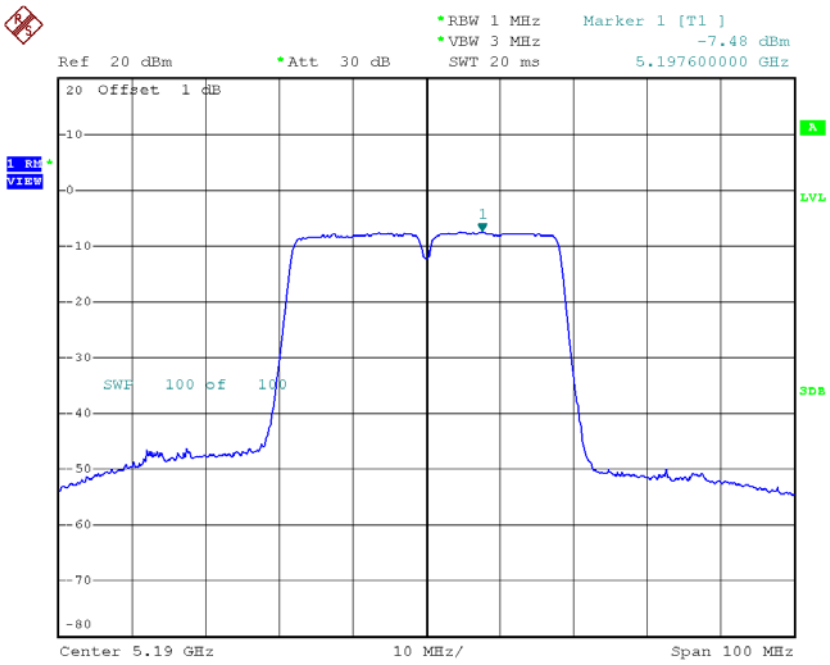


Date: 16.NOV.2015 15:18:26

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

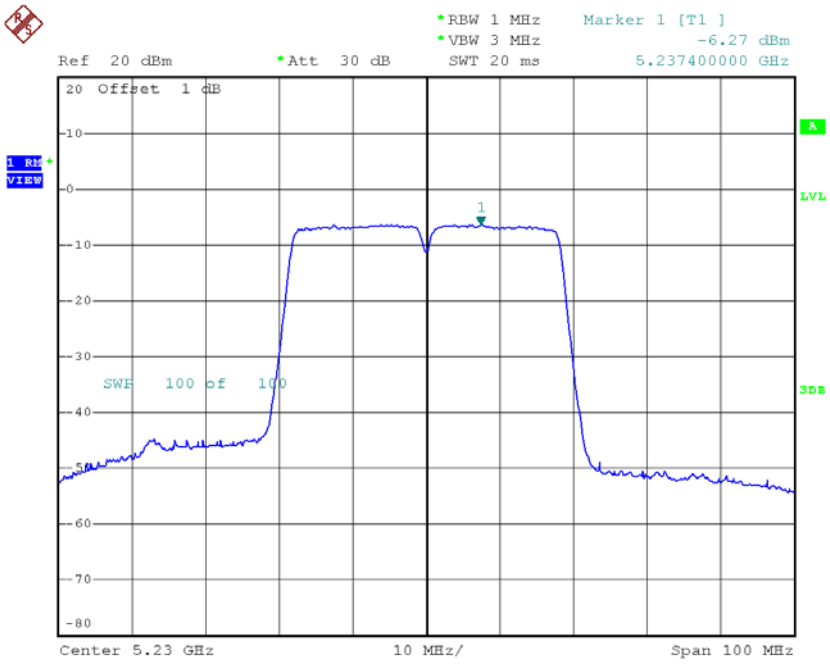
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dBm/MHz)	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	-7.48	1.40	-6.08	17.00
CH46	5230	-6.27	1.40	-4.87	17.00

CH38



Date: 16.NOV.2015 15:41:57

CH46

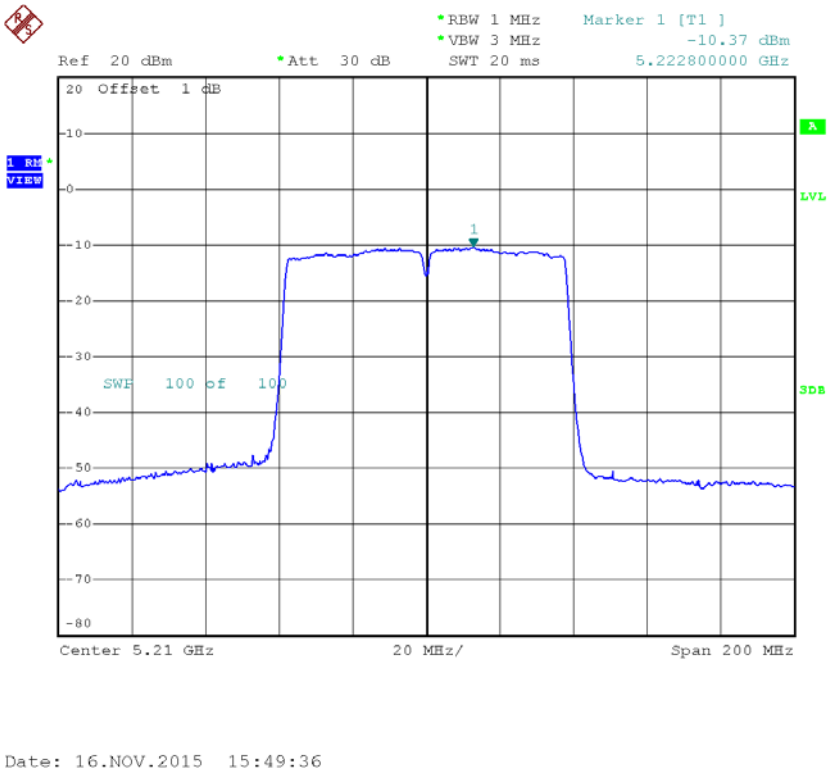


Date: 16.NOV.2015 15:43:35

Test Mode: UNII-1/TX AC80 Mode_CH42

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor (dBm/MHz)	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH42	5210	-10.37	4.45	-5.92	17.00

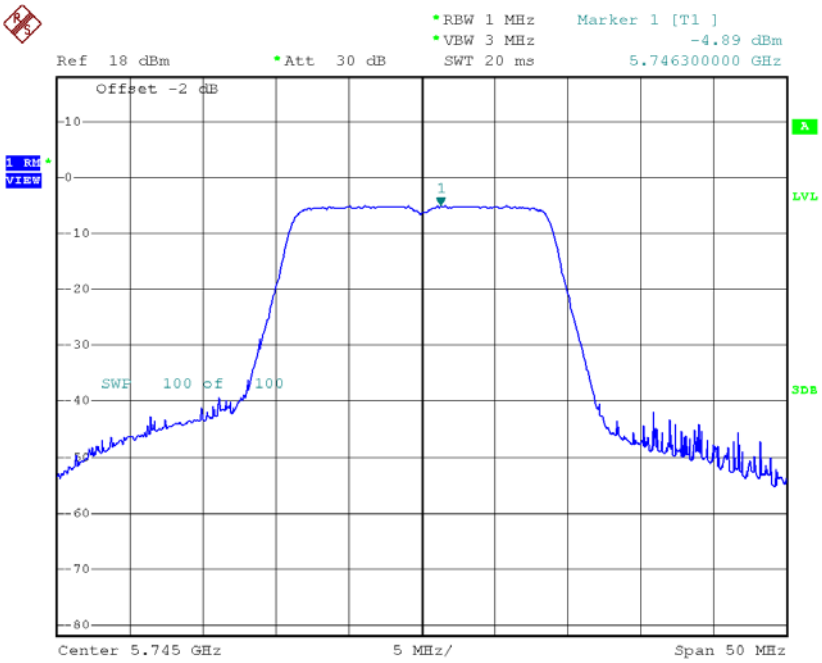
CH42



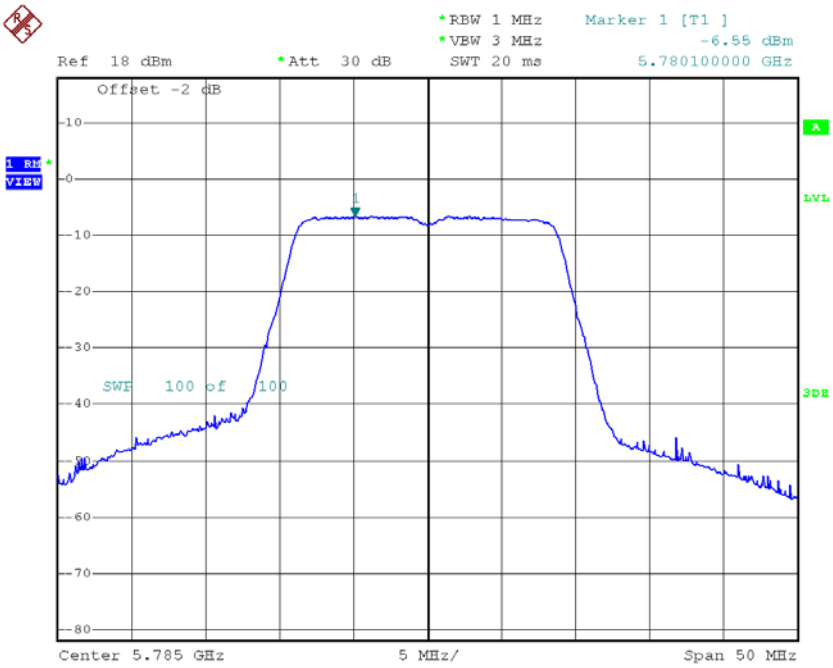
Test Mode: UNII-3/ TX AC20 Mode_CH149/CH157/CH165

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor (dBm/500kHz)	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	-4.89	2.75	-2.14	30.00
CH157	5785	-6.55	2.75	-3.80	30.00
CH165	5825	-6.79	2.75	-4.04	30.00

TX CH149

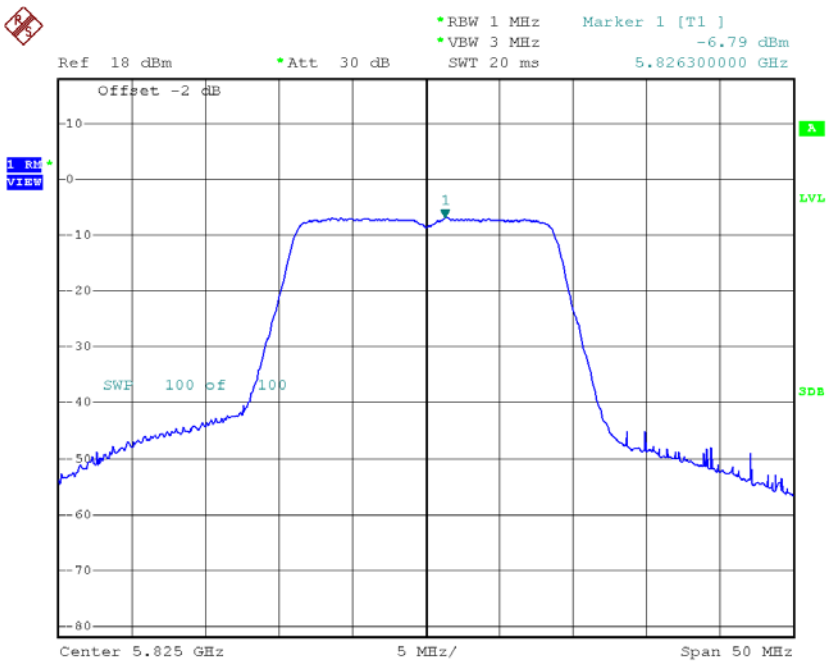


TX CH157



Date: 16.NOV.2015 15:20:54

TX CH165

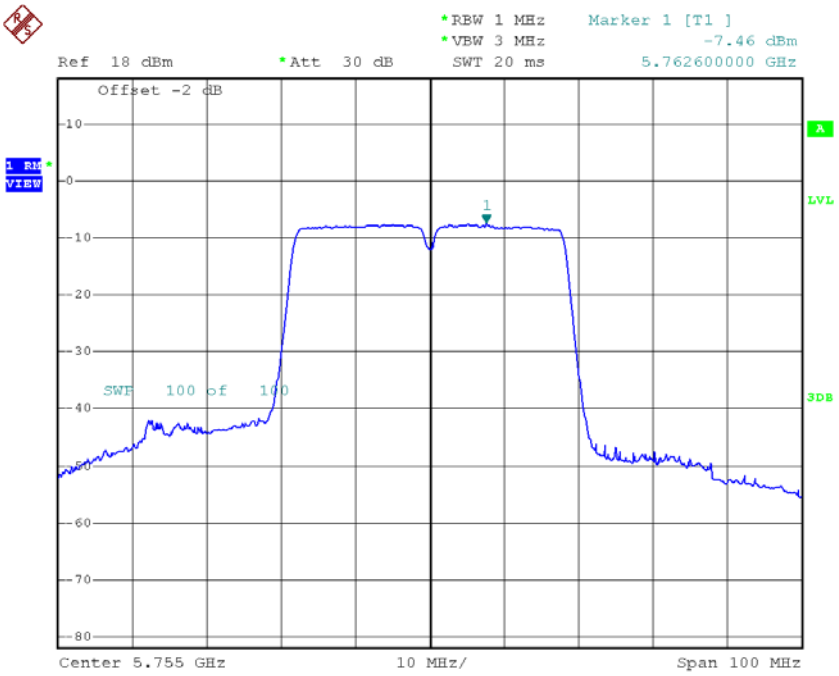


Date: 16.NOV.2015 15:21:56

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

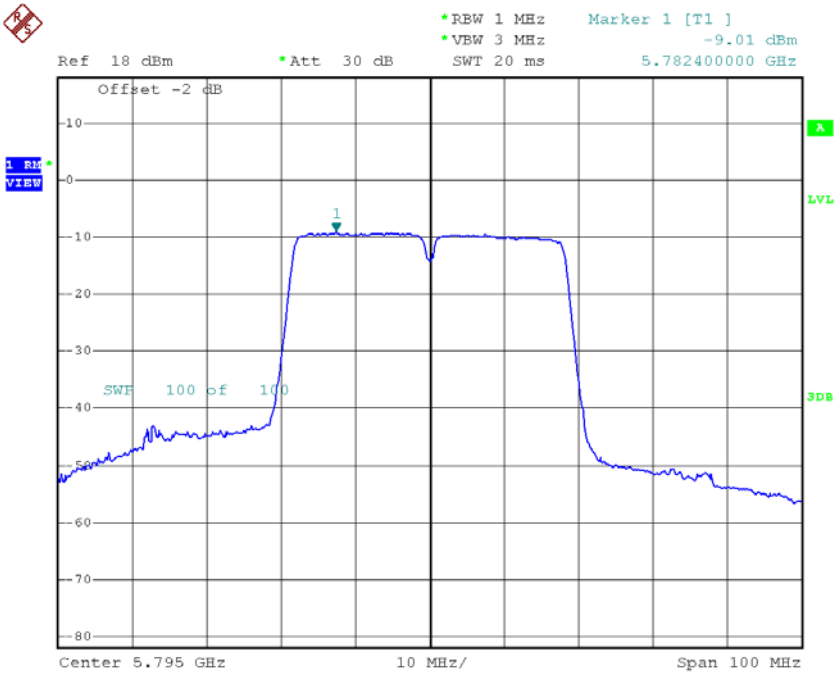
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor (dBm/500kHz)	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH151	5755	-7.46	1.40	-6.06	30.00
CH159	5795	-9.01	1.40	-7.61	30.00

TX CH151



Date: 16.NOV.2015 15:45:23

TX CH159

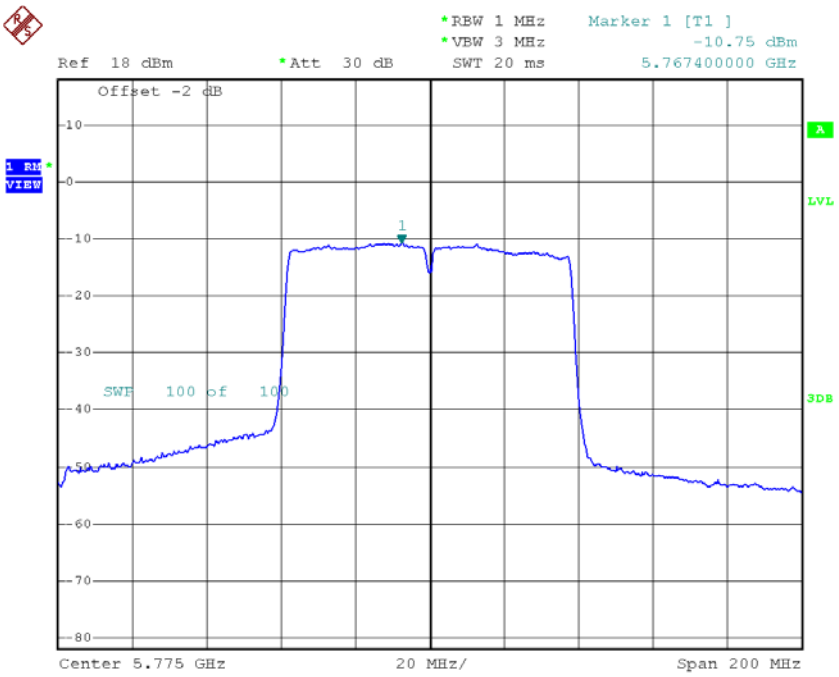


Date: 16.NOV.2015 15:48:20

Test Mode: UNII-3/ TX AC80 Mode_CH155

Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor (dBm/500kHz)	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH155	5775	-10.75	4.45	-6.30	30.00

TX CH155



Date: 16.NOV.2015 15:51:06

ATTACHMENT I - FREQUENCY STABILITY

Test Mode:	UNII-1

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5180.0000
132	5179.9828
120	5179.9824
108	5179.9820
Max. Deviation (MHz)	0.0180
Max. Deviation (ppm)	3.4749

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(℃)	5180.0000
-20	5179.9820
5	5179.9820
15	5179.9820
25	5179.9816
35	5179.9816
45	5179.9816
55	5179.9816
Max. Deviation (MHz)	0.0184
Max. Deviation (ppm)	3.5521

Test Mode:	UNII-3

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5745.0000
132	5744.9812
120	5744.9804
108	5744.9804
Max. Deviation (MHz)	0.0196
Max. Deviation (ppm)	3.4117

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(℃)	5745.0000
-20	5744.9804
5	5744.9800
15	5744.9800
25	5744.9800
35	5744.9800
45	5744.9800
55	5744.9796
Max. Deviation (MHz)	0.0204
Max. Deviation (ppm)	3.5509