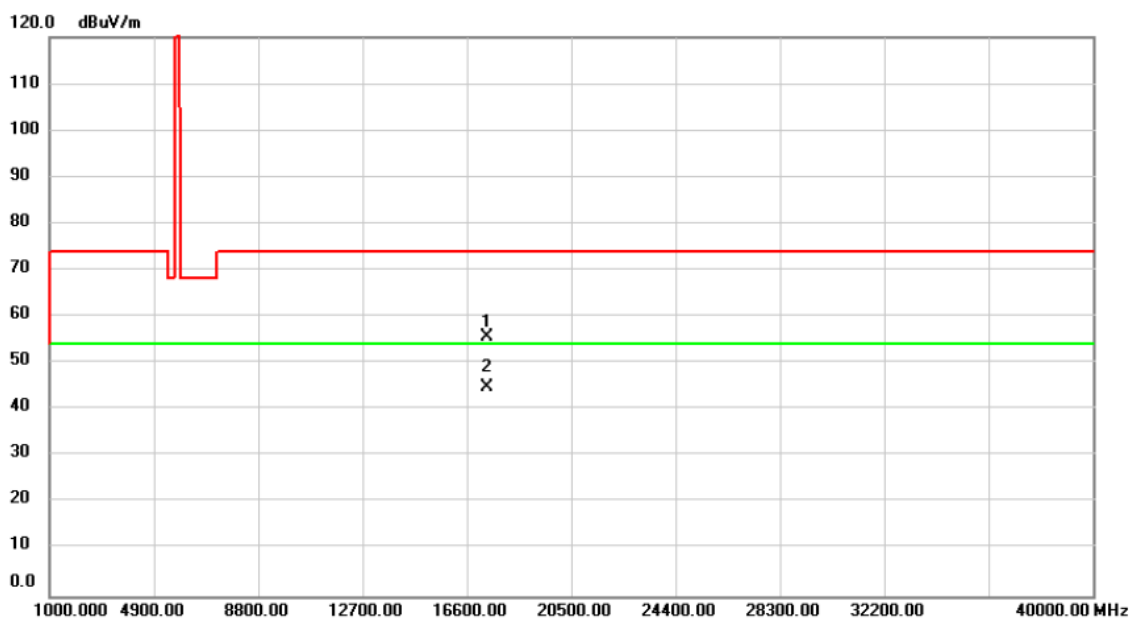


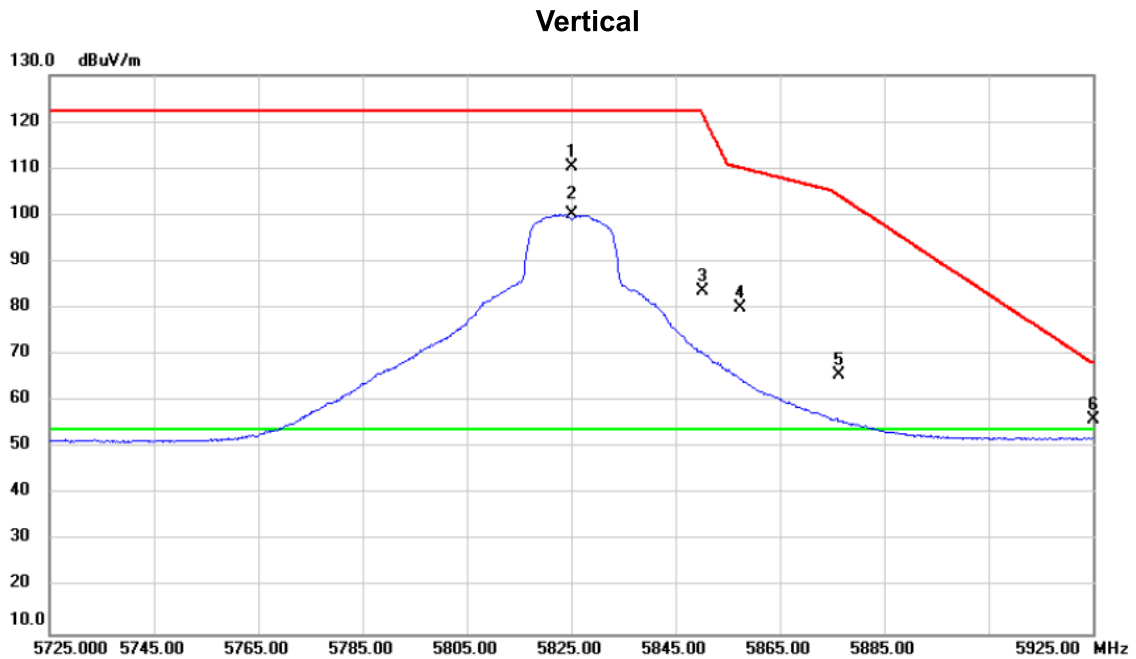
Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5785MHz _ $\theta=90^{\circ}$

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		17355.00	47.20	8.60	55.80	74.00	-18.20	peak	
2	*	17355.00	36.19	8.60	44.79	54.00	-9.21	AVG	

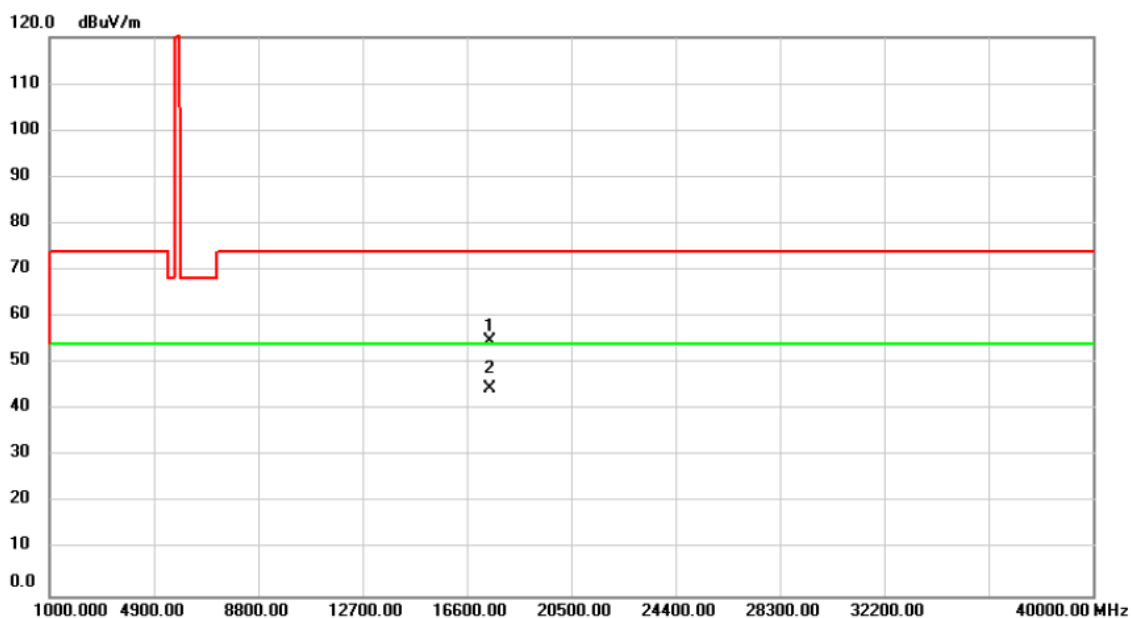
Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5825MHz_θ=90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5825.000	71.62	38.80	110.42	122.20	-11.78	peak	No Limit
2	*	5825.000	61.35	38.80	100.15	54.00	46.15	AVG	No Limit
3		5850.085	44.68	38.87	83.55	122.01	-38.46	peak	
4		5857.480	41.07	38.89	79.96	110.10	-30.14	peak	
5		5876.400	26.78	38.94	65.72	104.16	-38.44	peak	
6		5925.000	16.92	39.08	56.00	68.20	-12.20	peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5825MHz_θ=90°

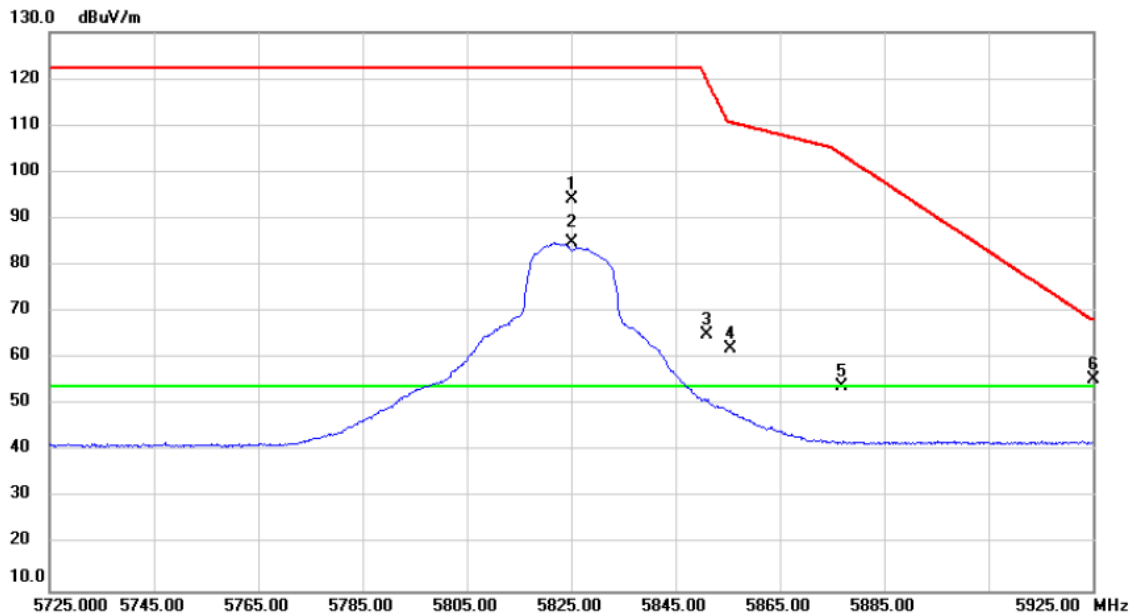
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		17475.00	45.66	9.23	54.89	74.00	-19.11	peak	
2	*	17475.00	35.37	9.23	44.60	54.00	-9.40	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5825MHz_θ=90°

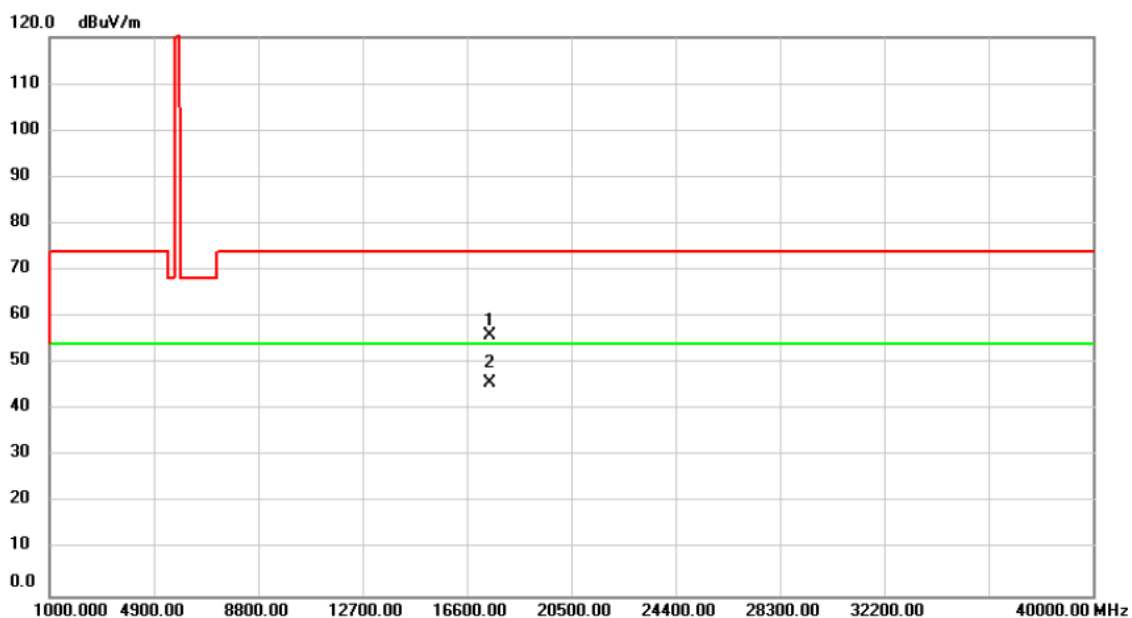
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5825.000	55.47	38.80	94.27	122.20	-27.93	peak	No Limit
2	*	5825.000	46.09	38.80	84.89	54.00	30.89	AVG	No Limit
3		5850.875	26.21	38.87	65.08	120.20	-55.12	peak	
4		5855.420	23.27	38.89	62.16	110.68	-48.52	peak	
5		5876.950	15.06	38.94	54.00	103.75	-49.75	peak	
6		5925.000	16.30	39.08	55.38	68.20	-12.82	peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX A Mode 5825MHz_θ=90°

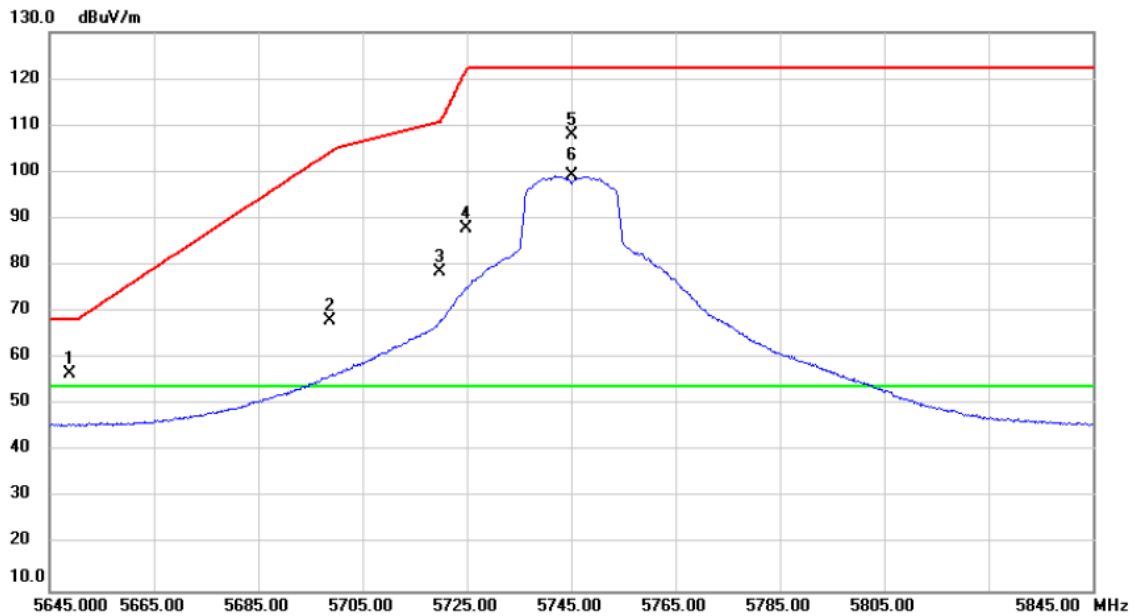
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		17475.00	46.70	9.23	55.93	74.00	-18.07	peak	
2	*	17475.00	36.40	9.23	45.63	54.00	-8.37	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC(VHT20) Mode 5745MHz_θ=90°

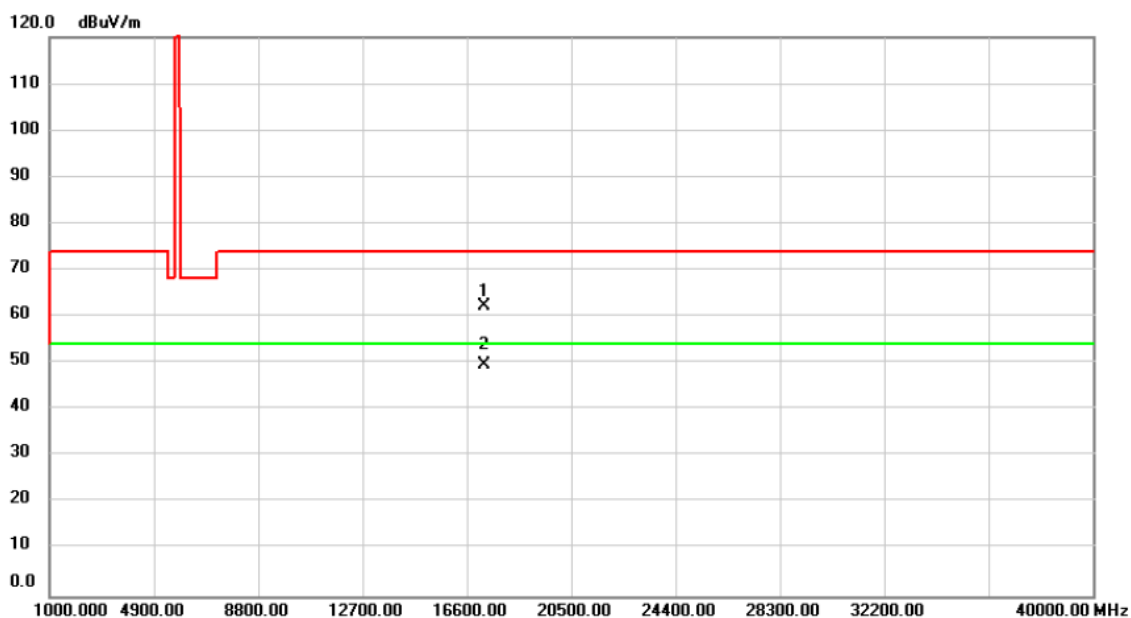
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5648.785	18.40	38.33	56.73	68.20	-11.47	peak	
2		5698.600	29.69	38.46	68.15	104.17	-36.02	peak	
3		5719.860	40.08	38.52	78.60	110.76	-32.16	peak	
4		5724.905	49.45	38.53	87.98	121.98	-34.00	peak	
5		5745.000	69.24	38.58	107.82	122.20	-14.38	peak	No Limit
6	*	5745.000	60.55	38.58	99.13	54.00	45.13	AVG	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC(VHT20) Mode 5745MHz_θ=90°

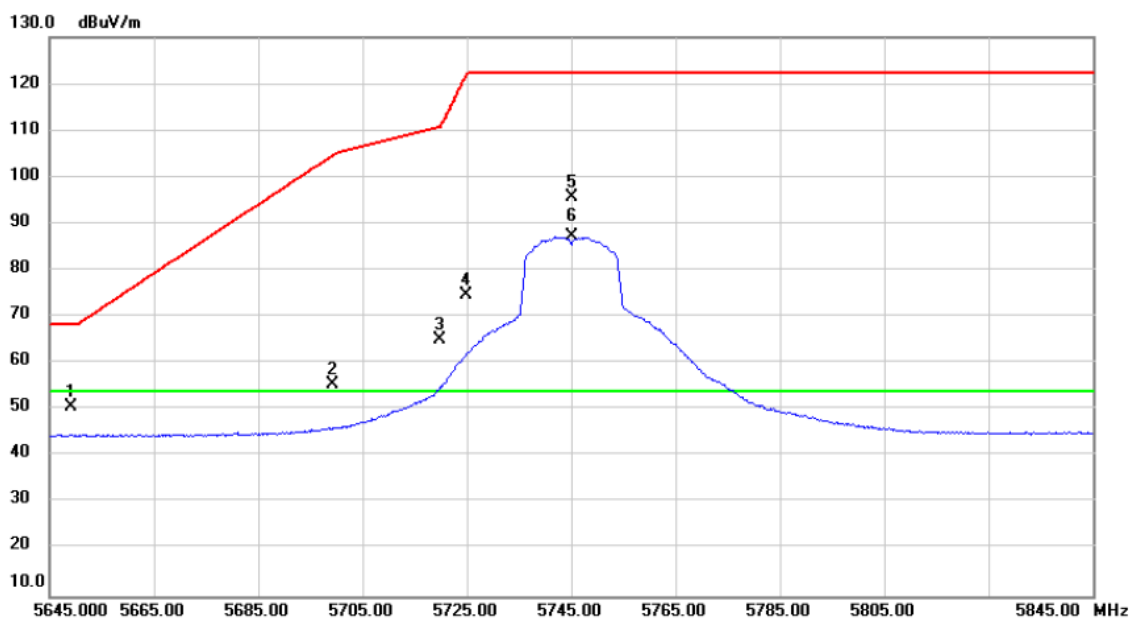
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		17235.00	54.15	7.98	62.13	74.00	-11.87	peak	
2	*	17235.00	41.78	7.98	49.76	54.00	-4.24	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC(VHT20) Mode 5745MHz_θ=90°

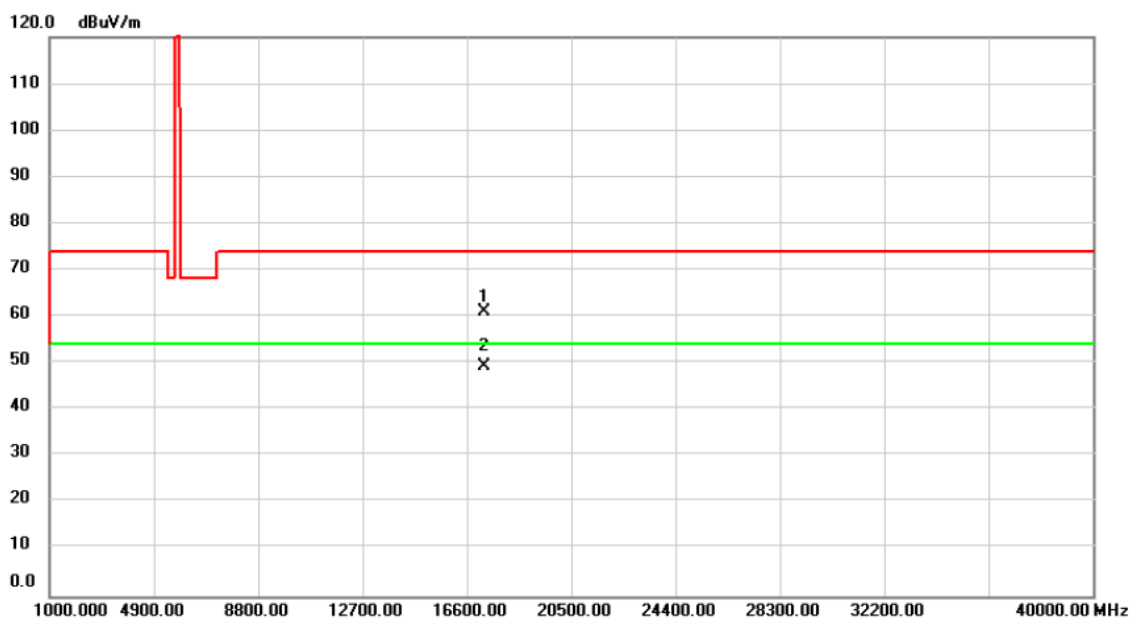
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5649.225	12.42	38.33	50.75	68.20	-17.45	peak	
2		5699.400	16.89	38.46	55.35	104.76	-49.41	peak	
3		5719.800	26.62	38.52	65.14	110.74	-45.60	peak	
4		5724.875	36.16	38.53	74.69	121.92	-47.23	peak	
5		5745.000	56.94	38.58	95.52	122.20	-26.68	peak	No Limit
6	*	5745.000	48.55	38.58	87.13	54.00	33.13	AVG	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC(VHT20) Mode 5745MHz_θ=90°

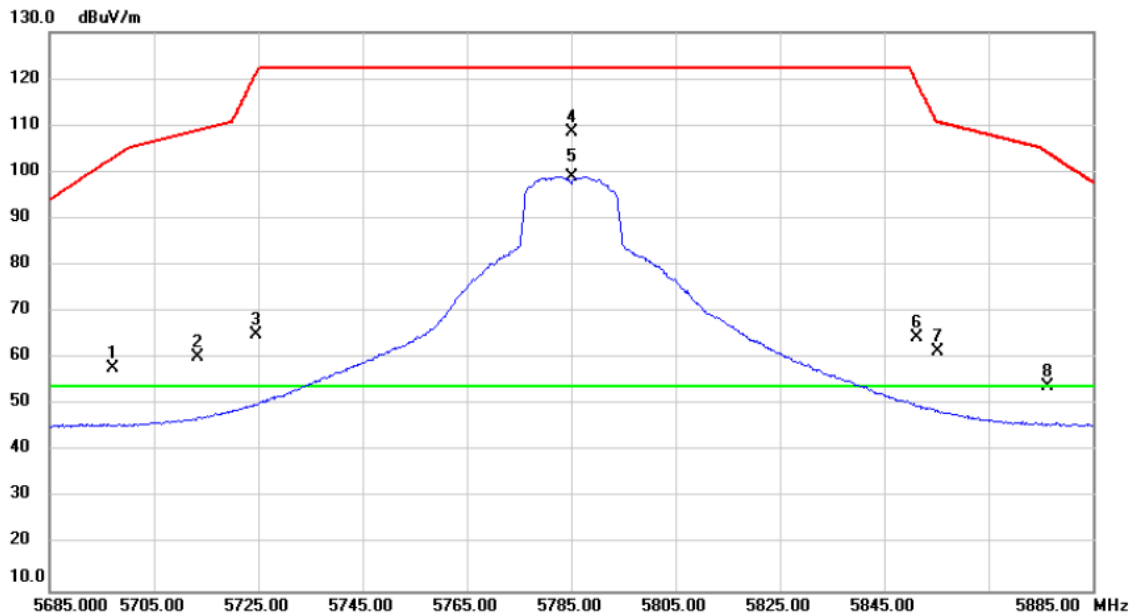
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		17235.00	53.05	7.98	61.03	74.00	-12.97	peak	
2	*	17235.00	41.51	7.98	49.49	54.00	-4.51	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC(VHT20) Mode 5785MHz _θ=90°

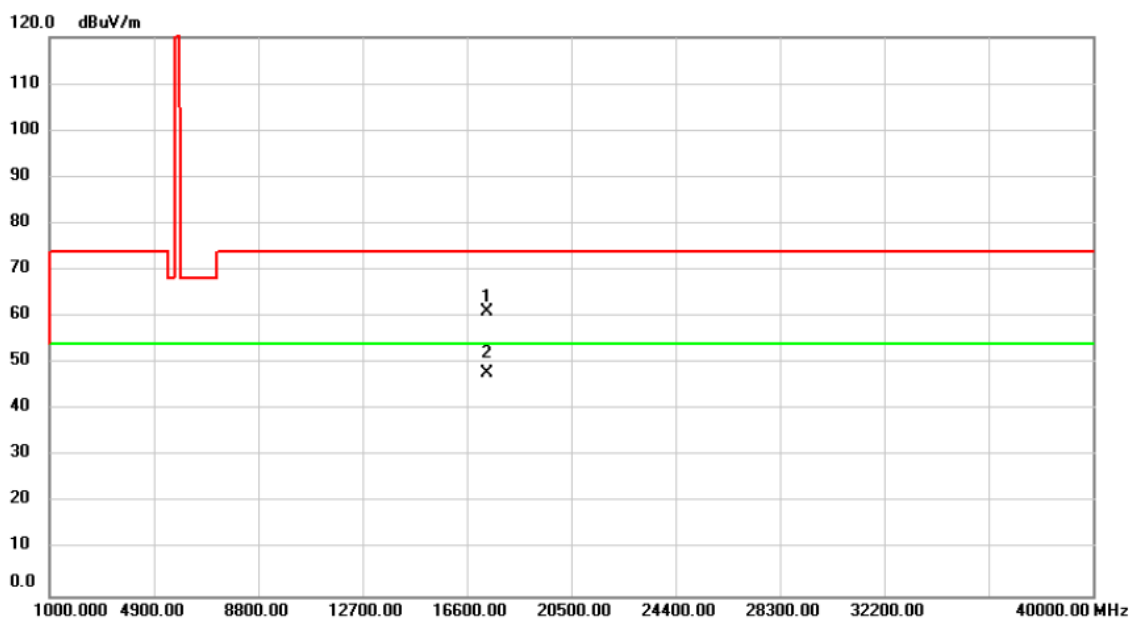
Vertical



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5697.015	19.40	38.46	57.86	103.00	-45.14	peak	
2	5713.380	21.85	38.50	60.35	108.95	-48.60	peak	
3	5724.715	26.64	38.53	65.17	121.55	-56.38	peak	
4	5785.000	69.81	38.70	108.51	122.20	-13.69	peak	No Limit
5 *	5785.000	60.38	38.70	99.08	54.00	45.08	AVG	No Limit
6	5851.250	25.57	38.87	64.44	119.35	-54.91	peak	
7	5855.380	22.49	38.89	61.38	110.69	-49.31	peak	
8	5876.370	14.93	38.94	53.87	104.18	-50.31	peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC(VHT20) Mode 5785MHz_θ=90°

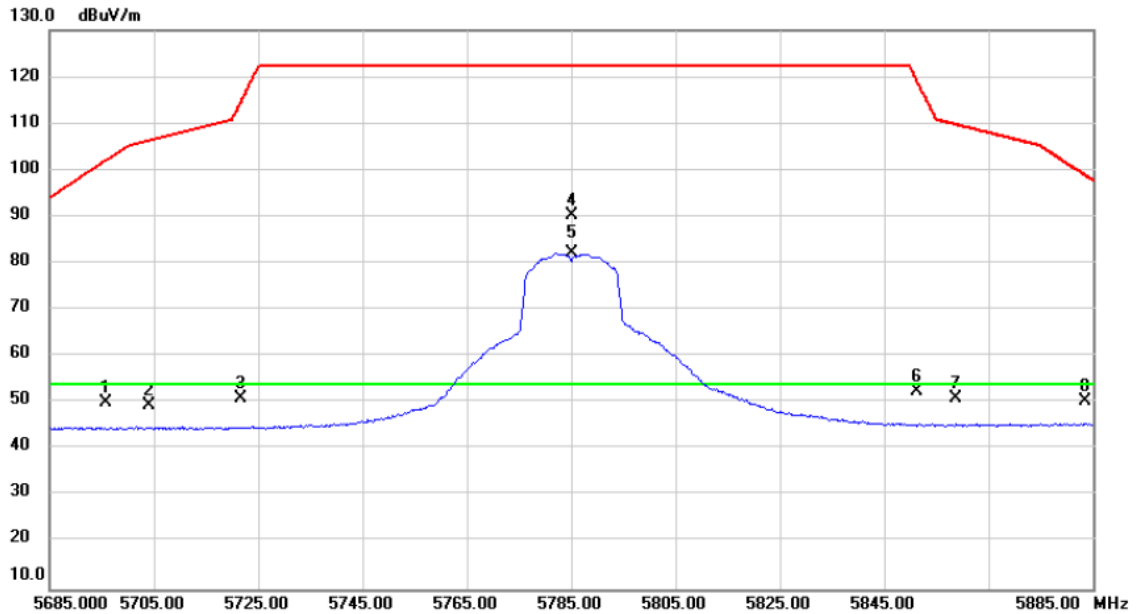
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		17355.00	52.46	8.60	61.06	74.00	-12.94	peak	
2	*	17355.00	39.31	8.60	47.91	54.00	-6.09	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC(VHT20) Mode 5785MHz_θ=90°

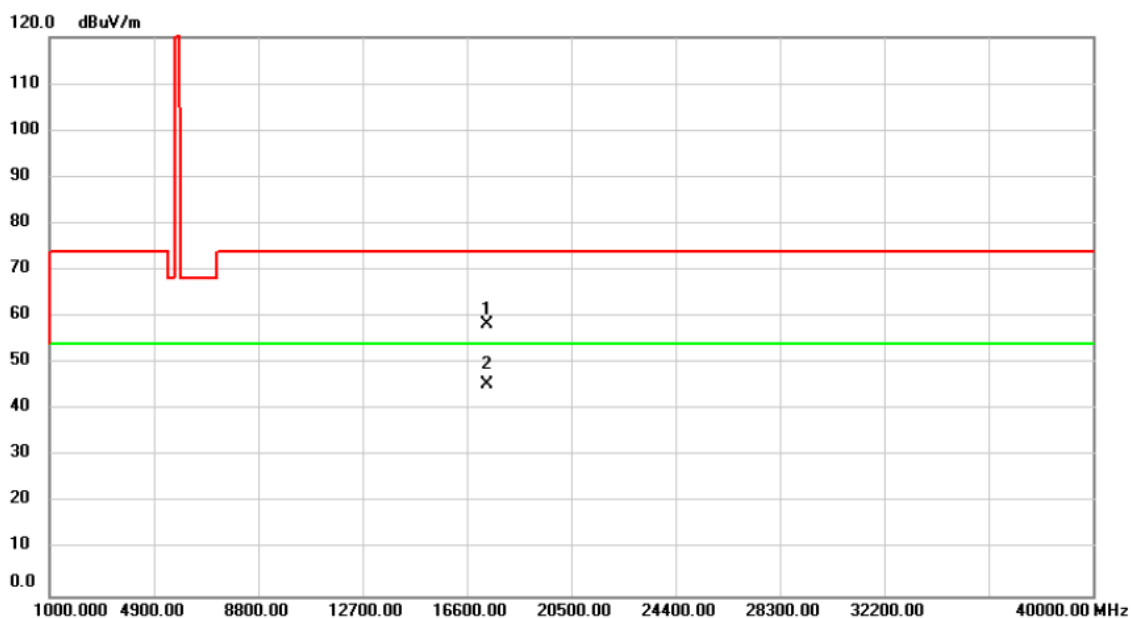
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5695.800	11.62	38.45	50.07	102.10	-52.03	peak	
2		5703.940	11.01	38.48	49.49	106.30	-56.81	peak	
3		5721.560	12.41	38.52	50.93	114.36	-63.43	peak	
4		5785.000	51.60	38.70	90.30	122.20	-31.90	peak	No Limit
5	*	5785.000	43.34	38.70	82.04	54.00	28.04	AVG	No Limit
6		5851.185	13.57	38.87	52.44	119.50	-67.06	peak	
7		5858.780	11.93	38.89	50.82	109.74	-58.92	peak	
8		5883.630	11.31	38.96	50.27	98.79	-48.52	peak	

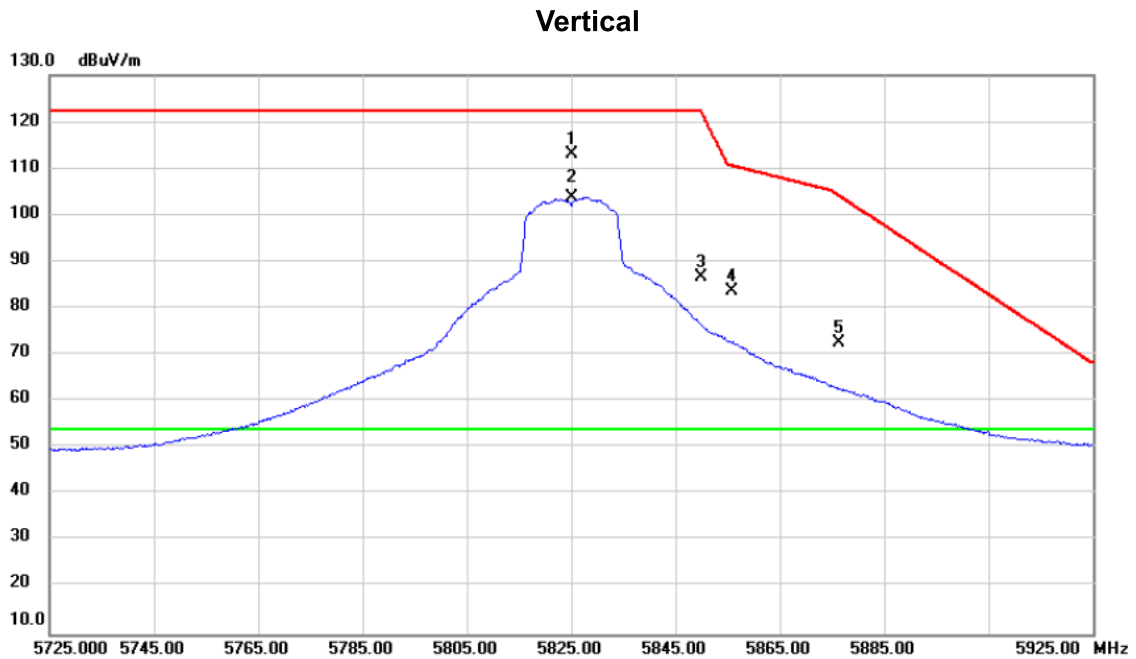
Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC(VHT20) Mode 5785MHz_θ=90°

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		17355.00	49.70	8.60	58.30	74.00	-15.70	peak	
2	*	17355.00	36.98	8.60	45.58	54.00	-8.42	AVG	

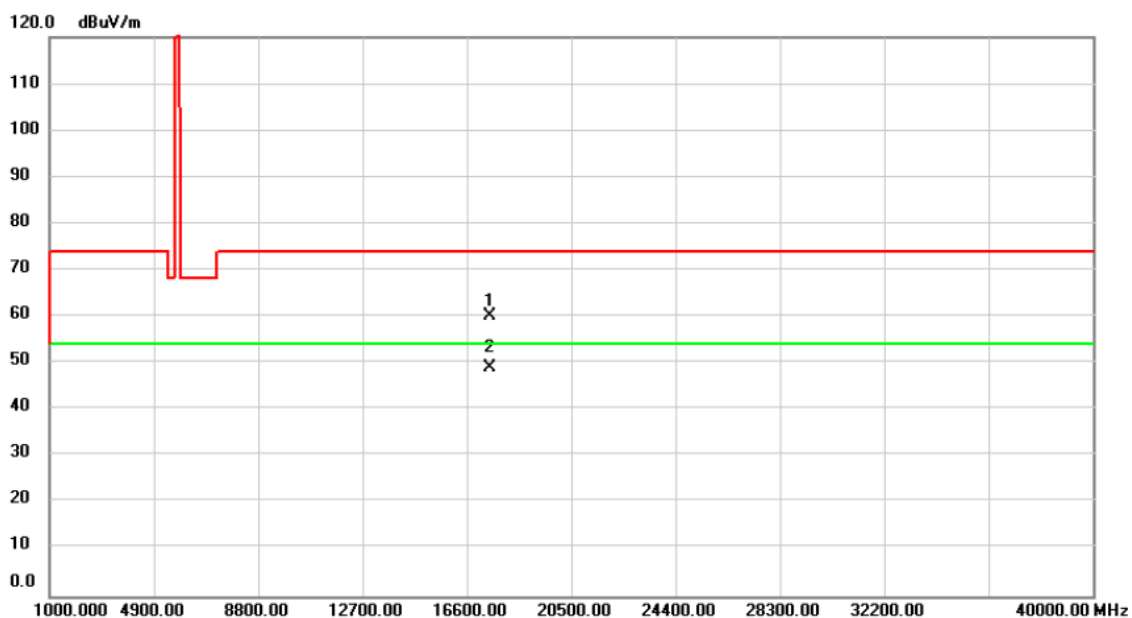
Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC(VHT20) Mode 5825MHz_θ=90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5825.000	74.16	38.80	112.96	122.20	-9.24	peak	No Limit
2	*	5825.000	65.01	38.80	103.81	54.00	49.81	AVG	No Limit
3		5850.040	47.76	38.87	86.63	122.11	-35.48	peak	
4		5855.860	44.91	38.89	83.80	110.56	-26.76	peak	
5		5876.450	33.63	38.94	72.57	104.12	-31.55	peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC(VHT20) Mode 5825MHz_θ=90°

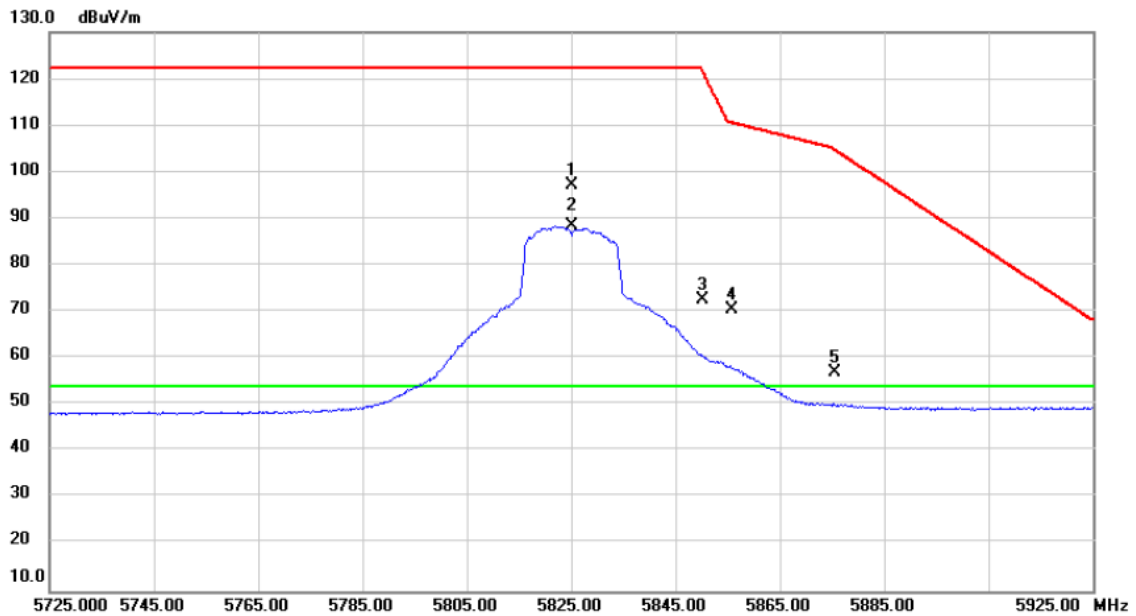
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		17475.00	51.00	9.23	60.23	74.00	-13.77	peak	
2	*	17475.00	39.87	9.23	49.10	54.00	-4.90	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC(VHT20) Mode 5825MHz_θ=90°

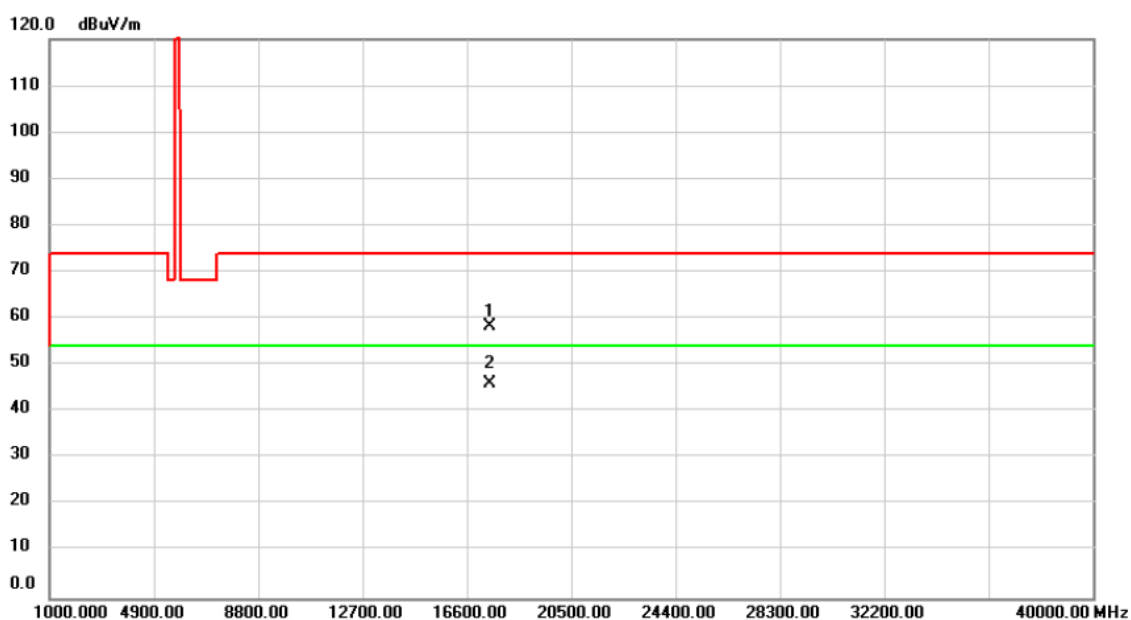
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5825.000	58.38	38.80	97.18	122.20	-25.02	peak	No Limit
2	*	5825.000	49.62	38.80	88.42	54.00	34.42	AVG	No Limit
3		5850.070	33.60	38.87	72.47	122.04	-49.57	peak	
4		5855.780	31.51	38.89	70.40	110.58	-40.18	peak	
5		5875.450	18.09	38.94	57.03	104.87	-47.84	peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC(VHT20) Mode 5825MHz_θ=90°

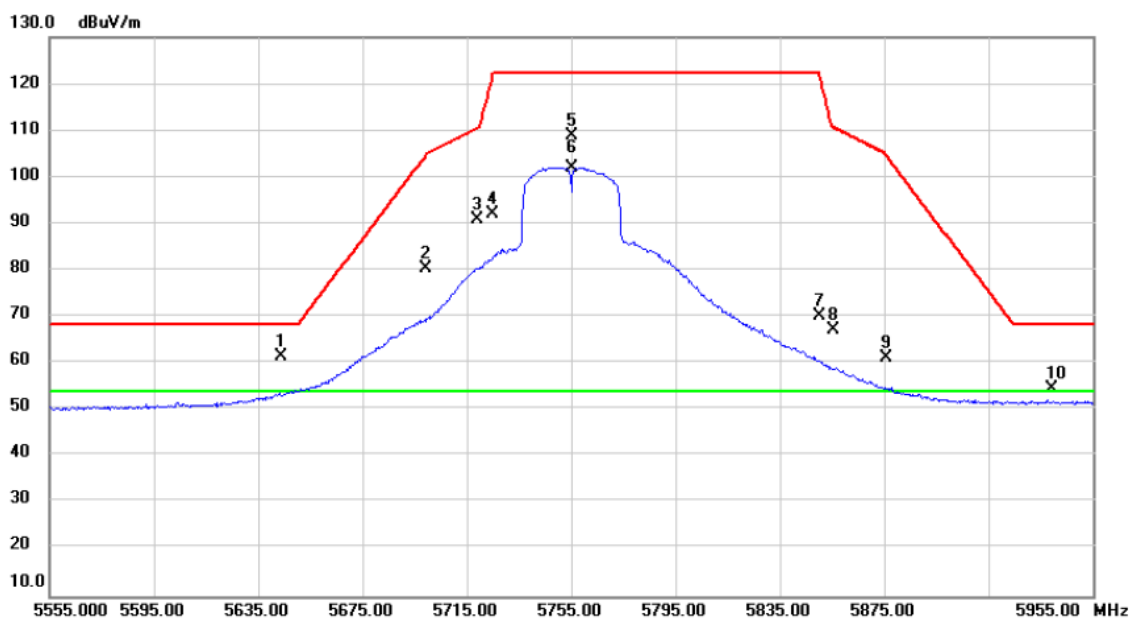
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		17475.00	49.20	9.23	58.43	74.00	-15.57	peak	
2	*	17475.00	36.95	9.23	46.18	54.00	-7.82	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC(VHT40) 5755MHz_θ=90°

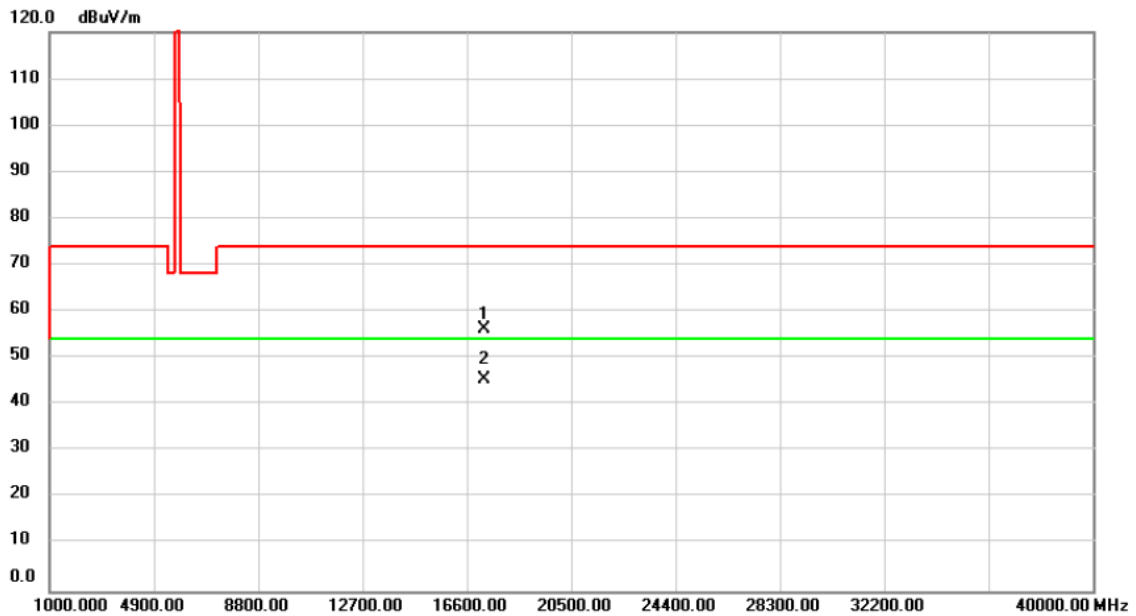
Vertical



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5644.015	23.06	38.31	61.37	68.20	-6.83	peak	
2	5699.200	41.75	38.46	80.21	104.61	-24.40	peak	
3	5719.100	52.24	38.52	90.76	110.55	-19.79	peak	
4	5724.755	53.49	38.53	92.02	121.64	-29.62	peak	
5	5755.000	70.27	38.62	108.89	122.20	-13.31	peak	No Limit
6 *	5755.000	63.41	38.62	102.03	54.00	48.03	AVG	No Limit
7	5850.085	31.25	38.87	70.12	122.01	-51.89	peak	
8	5855.400	28.39	38.89	67.28	110.69	-43.41	peak	
9	5875.750	22.13	38.94	61.07	104.64	-43.57	peak	
10	5939.350	15.57	39.11	54.68	68.20	-13.52	peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC(VHT40) 5755MHz_θ=90°

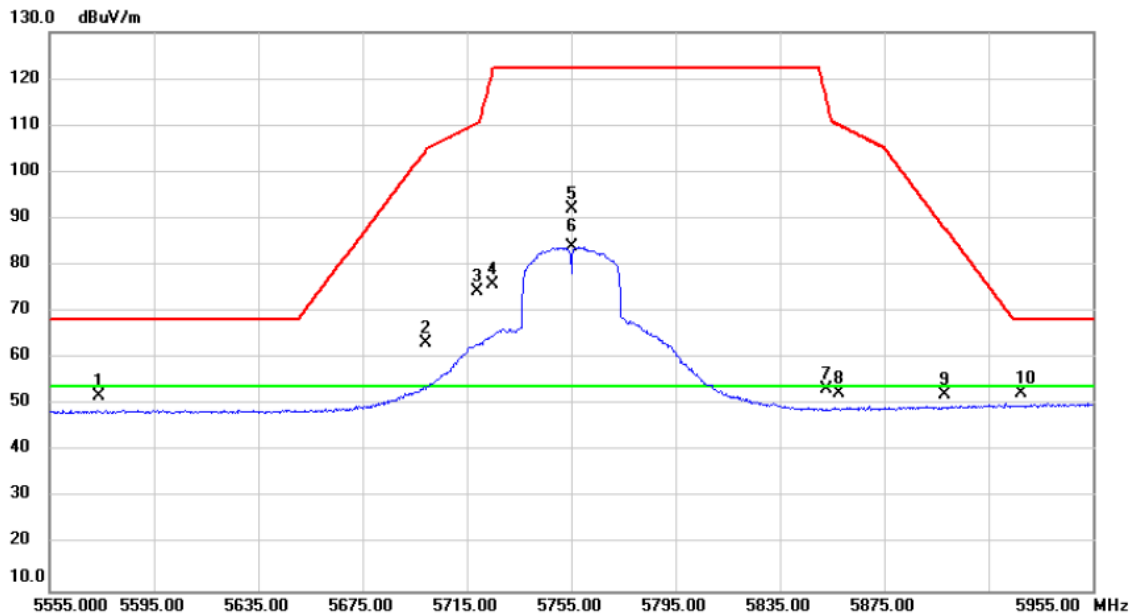
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		17265.00	48.23	8.15	56.38	74.00	-17.62	peak	
2	*	17265.00	37.42	8.15	45.57	54.00	-8.43	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC(VHT40) 5755MHz_θ=90°

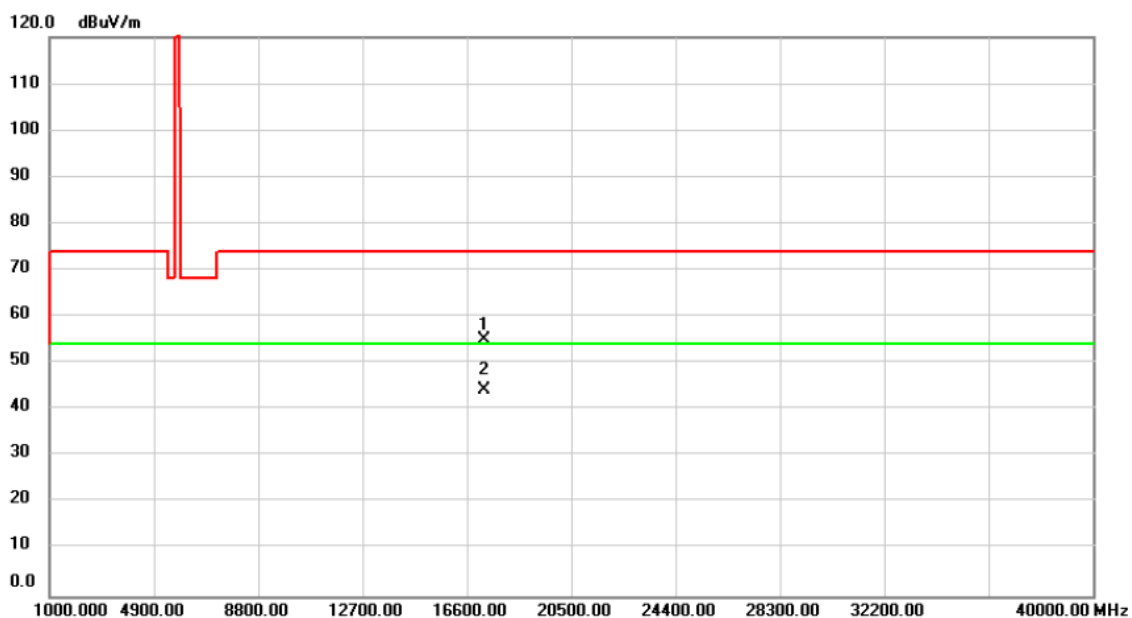
Horizontal



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5573.810	13.87	38.12	51.99	68.20	-16.21	peak	
2	5699.400	24.84	38.46	63.30	104.76	-41.46	peak	
3	5719.160	35.84	38.52	74.36	110.57	-36.21	peak	
4	5724.840	37.20	38.53	75.73	121.84	-46.11	peak	
5	5755.000	53.44	38.62	92.06	122.20	-30.14	peak	No Limit
6 *	5755.000	45.24	38.62	83.86	54.00	29.86	AVG	No Limit
7	5852.790	14.52	38.88	53.40	115.84	-62.44	peak	
8	5857.760	13.51	38.89	52.40	110.03	-57.63	peak	
9	5898.350	13.09	39.01	52.10	87.88	-35.78	peak	
10	5927.275	13.27	39.08	52.35	68.20	-15.85	peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC(VHT40) 5755MHz_θ=90°

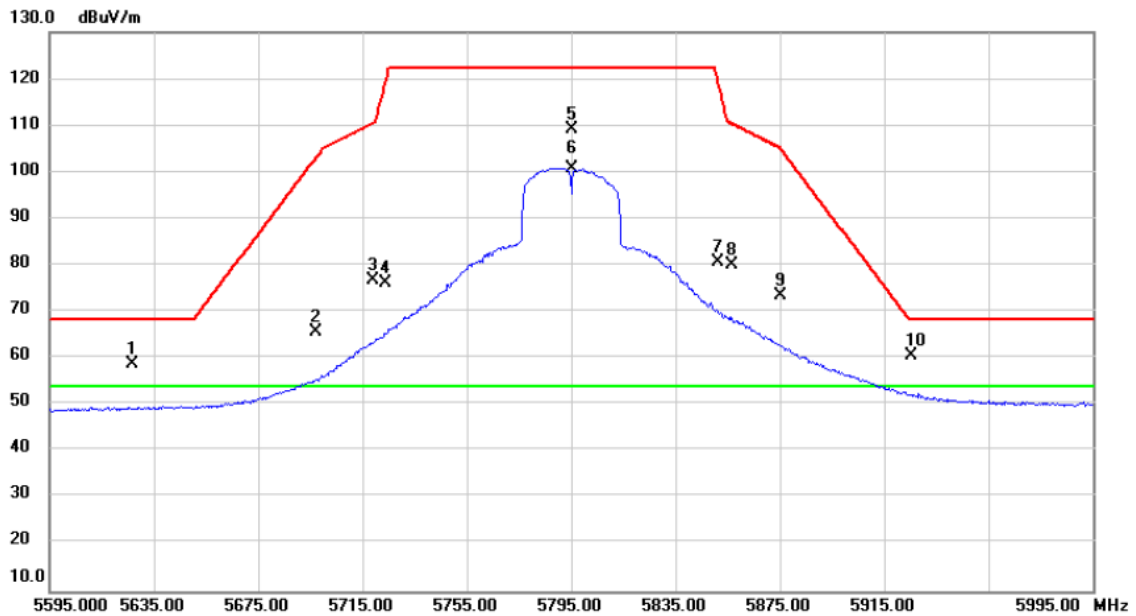
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		17265.00	46.91	8.15	55.06	74.00	-18.94	peak	
2	*	17265.00	36.17	8.15	44.32	54.00	-9.68	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC(VHT40) 5795MHz_θ=90°

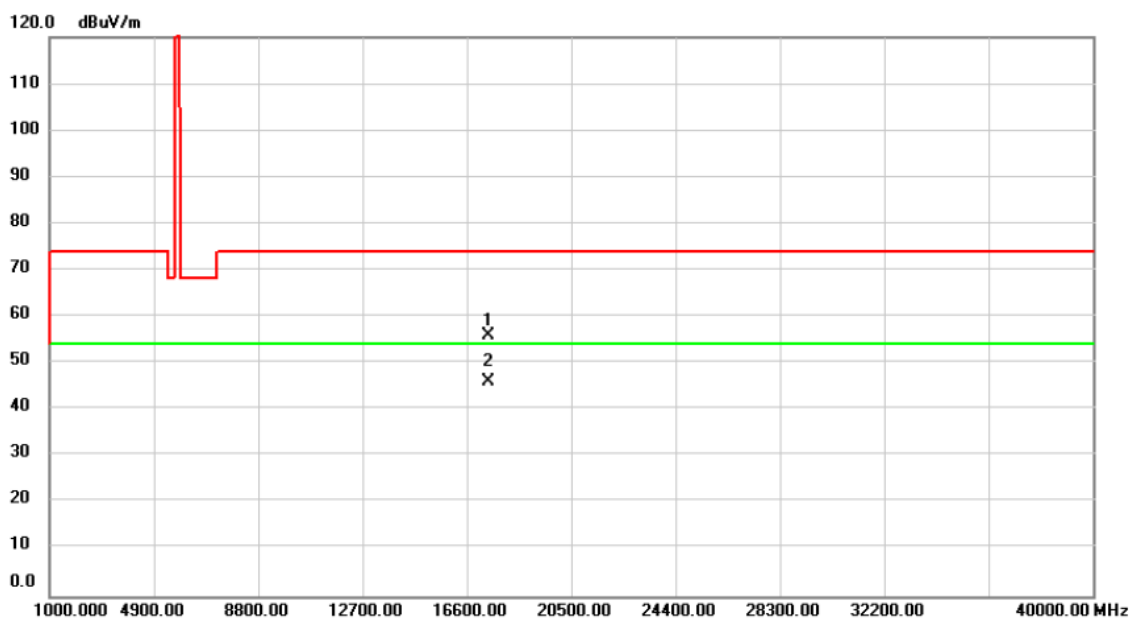
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5626.570	20.48	38.26	58.74	68.20	-9.46	peak	
2		5696.950	27.29	38.46	65.75	102.95	-37.20	peak	
3		5719.060	38.31	38.52	76.83	110.54	-33.71	peak	
4		5724.050	37.58	38.53	76.11	120.03	-43.92	peak	
5		5795.000	70.38	38.72	109.10	122.20	-13.10	peak	No Limit
6	*	5795.000	62.15	38.72	100.87	54.00	46.87	AVG	No Limit
7		5851.175	41.68	38.87	80.55	119.52	-38.97	peak	
8		5856.600	41.08	38.89	79.97	110.35	-30.38	peak	
9		5875.200	34.40	38.94	73.34	105.05	-31.71	peak	
10		5925.625	21.40	39.08	60.48	68.20	-7.72	peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC(VHT40) 5795MHz_θ=90°

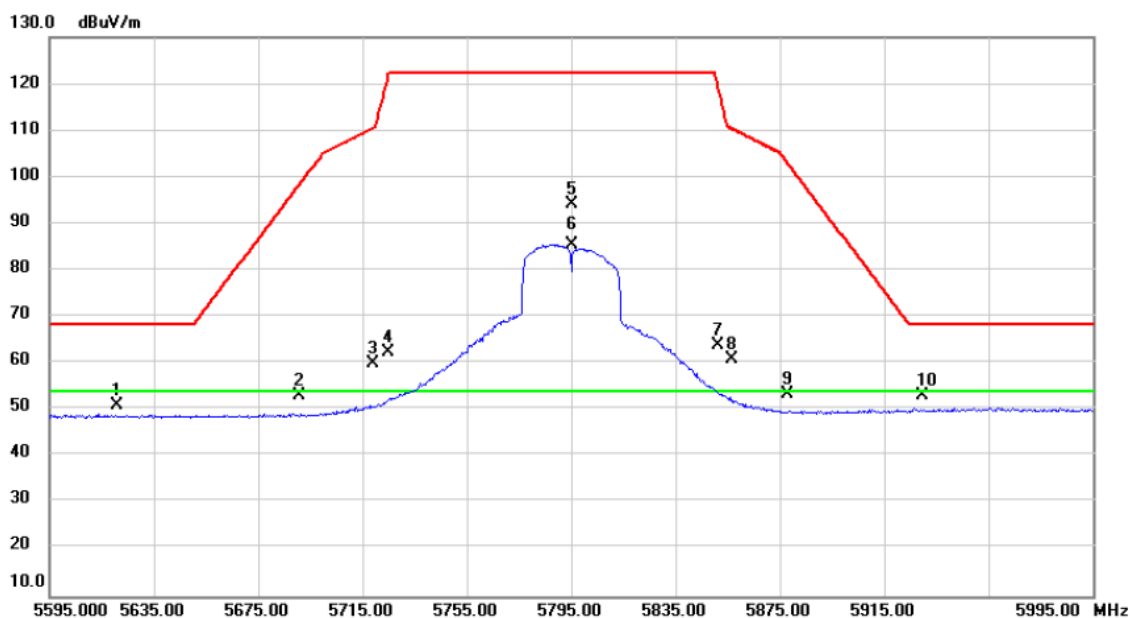
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		17385.00	47.07	8.76	55.83	74.00	-18.17	peak	
2	*	17385.00	37.32	8.76	46.08	54.00	-7.92	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC(VHT40) 5795MHz_θ=90°

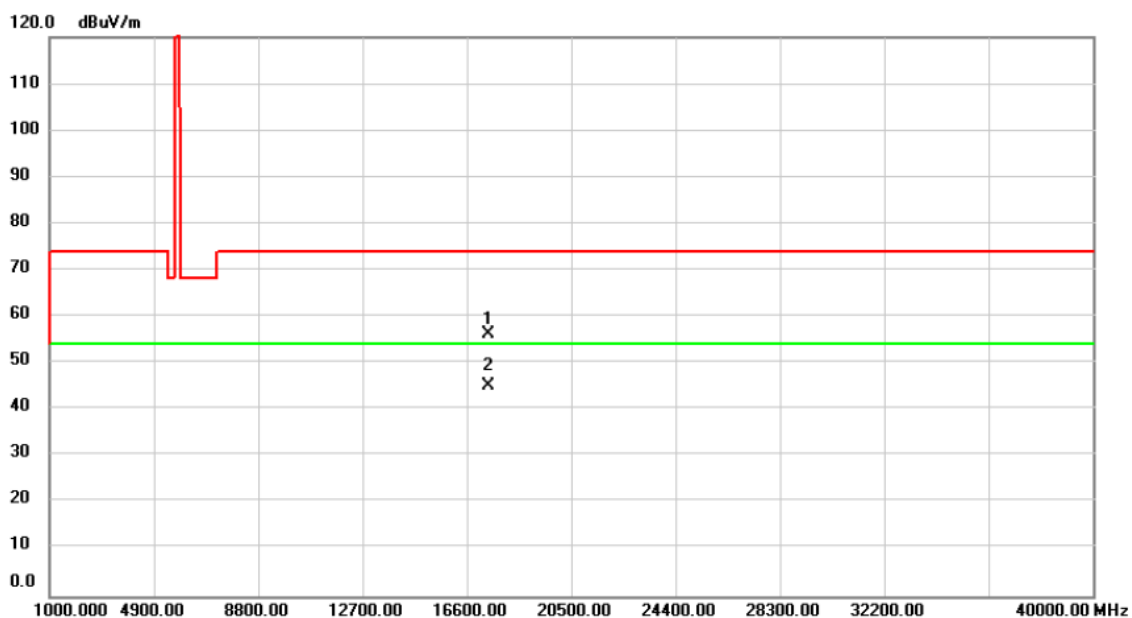
Horizontal



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5620.685	12.71	38.25	50.96	68.20	-17.24	peak	
2	5690.700	14.47	38.44	52.91	98.34	-45.43	peak	
3	5719.200	21.29	38.52	59.81	110.58	-50.77	peak	
4	5724.755	23.92	38.53	62.45	121.64	-59.19	peak	
5	5795.000	55.30	38.72	94.02	122.20	-28.18	peak	No Limit
6 *	5795.000	46.74	38.72	85.46	54.00	31.46	AVG	No Limit
7	5851.180	24.83	38.87	63.70	119.51	-55.81	peak	
8	5856.760	21.98	38.89	60.87	110.31	-49.44	peak	
9	5878.150	14.51	38.95	53.46	102.86	-49.40	peak	
10	5929.900	13.85	39.09	52.94	68.20	-15.26	peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC(VHT40) 5795MHz_θ=90°

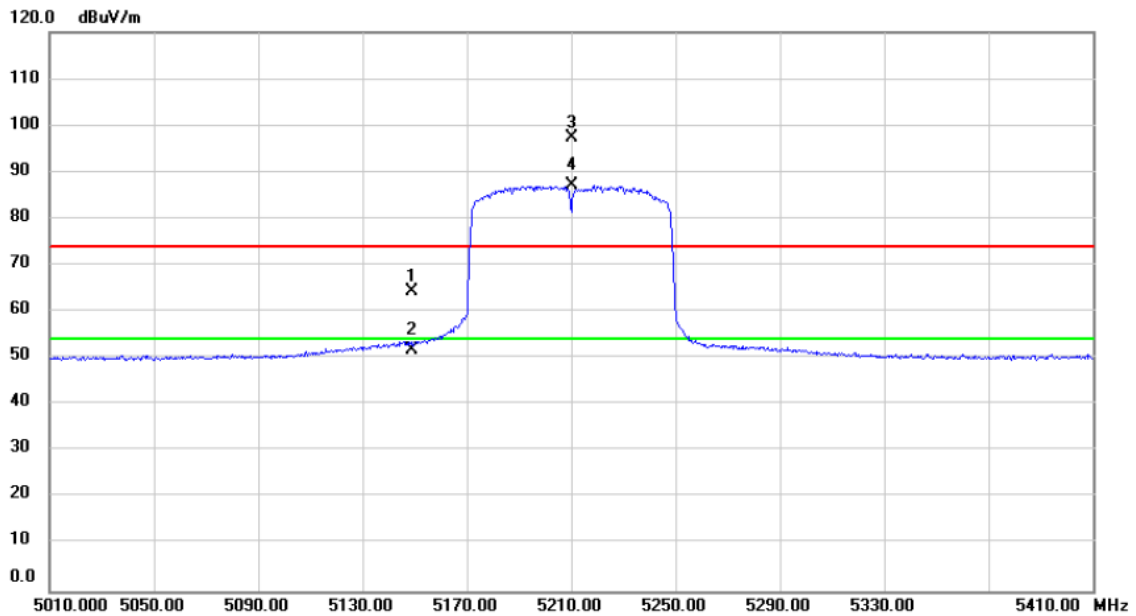
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		17385.00	47.37	8.76	56.13	74.00	-17.87	peak	
2	*	17385.00	36.54	8.76	45.30	54.00	-8.70	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC(VHT80) Mode 5210MHz_θ=90°

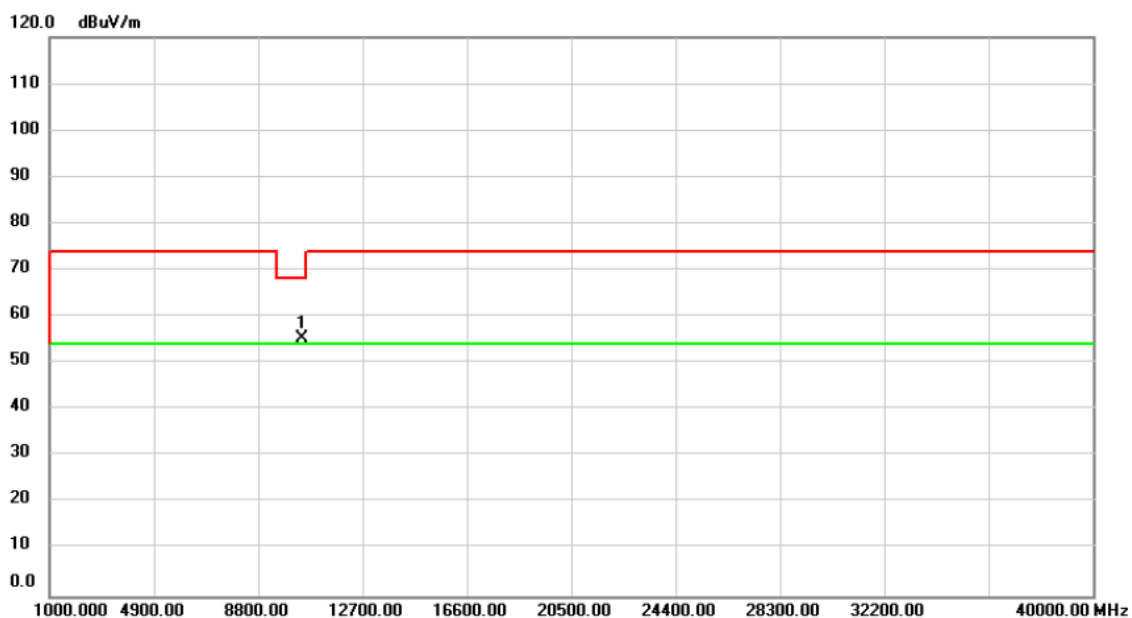
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5149.160	26.69	37.54	64.23	74.00	-9.77	peak	
2		5149.160	14.16	37.54	51.70	54.00	-2.30	AVG	
3	X	5210.000	59.62	37.61	97.23	74.00	23.23	peak	No Limit
4	*	5210.000	49.46	37.61	87.07	54.00	33.07	AVG	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC(VHT80) Mode 5210MHz_θ=90°

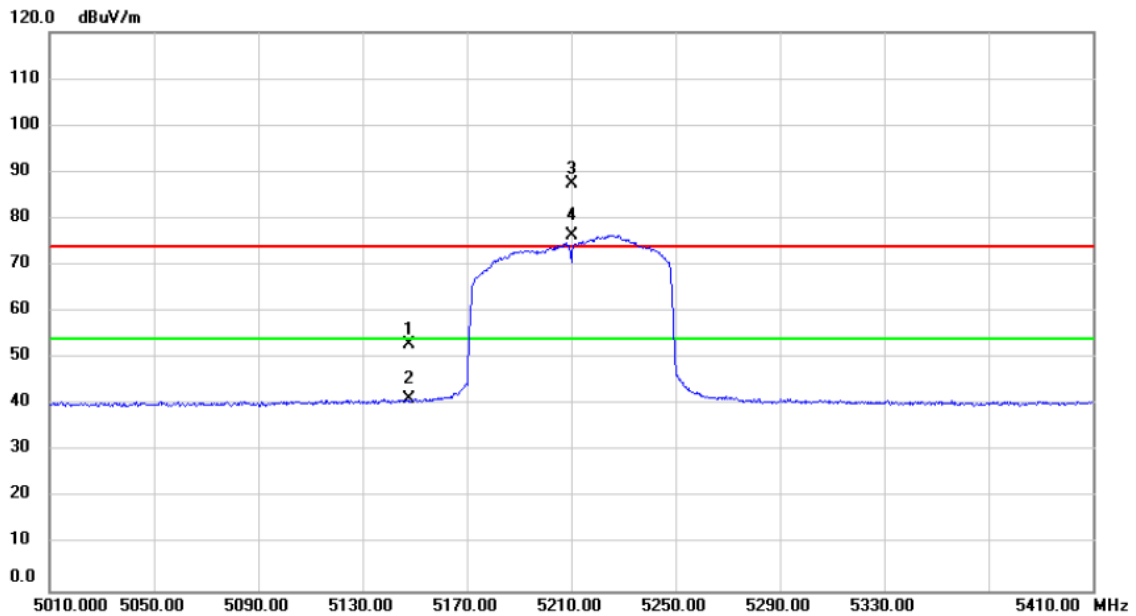
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	10420.00	53.49	1.95	55.44	68.20	-12.76	peak	

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC(VHT80) Mode 5210MHz_θ=90°

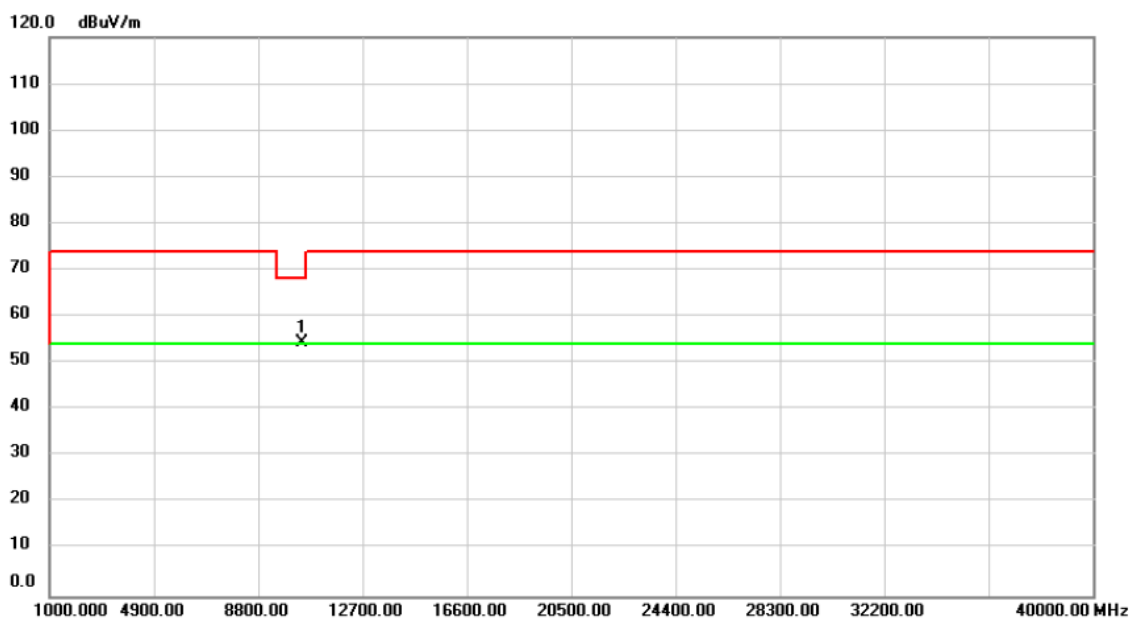
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		5147.900	15.47	37.54	53.01	74.00	-20.99	peak	
2		5147.900	3.71	37.54	41.25	54.00	-12.75	AVG	
3	X	5210.000	49.84	37.61	87.45	74.00	13.45	peak	No Limit
4	*	5210.000	38.84	37.61	76.45	54.00	22.45	AVG	No Limit

Orthogonal Axis:	X
Test Mode:	UNII-1/ TX AC(VHT80) Mode 5210MHz_θ=90°

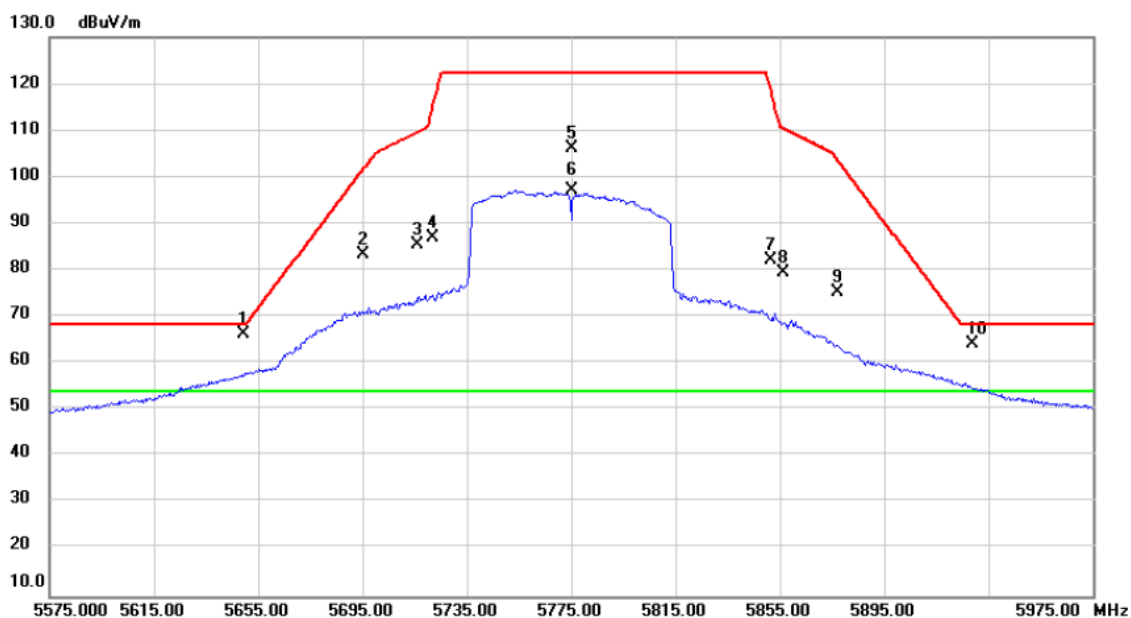
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	10420.00	52.59	1.95	54.54	68.20	-13.66	peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC(VHT80) Mode 5775MHz_θ=90°

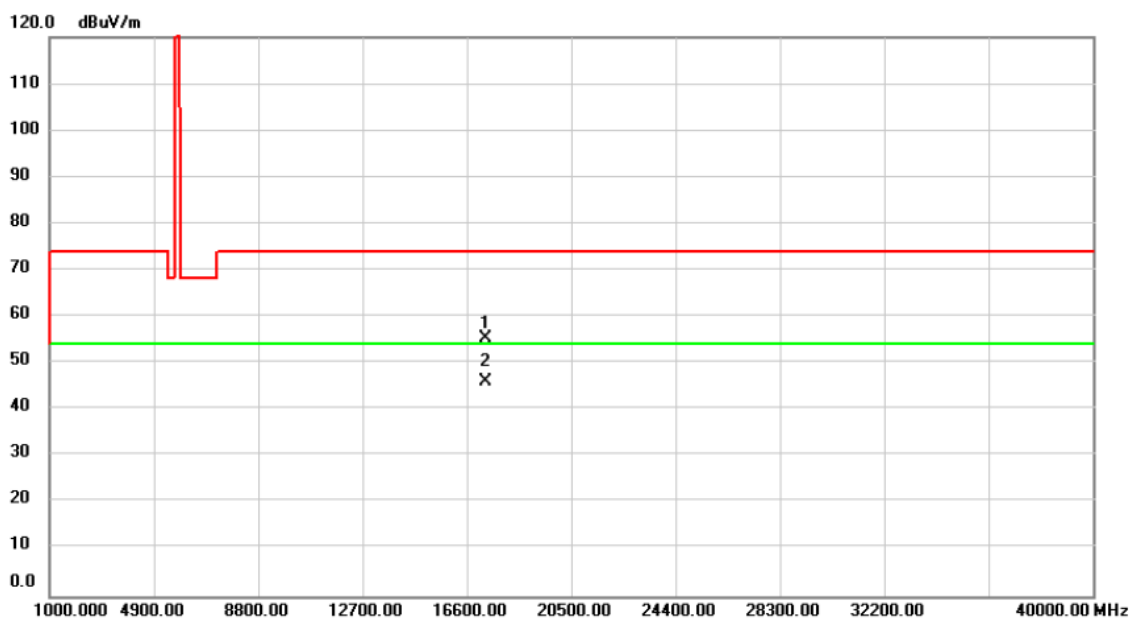
Vertical



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5649.550	27.89	38.33	66.22	68.20	-1.98	peak	
2	5695.500	44.89	38.45	83.34	101.88	-18.54	peak	
3	5715.940	46.96	38.51	85.47	109.66	-24.19	peak	
4	5722.170	48.47	38.53	87.00	115.75	-28.75	peak	
5	5775.000	67.59	38.67	106.26	122.20	-15.94	peak	No Limit
6 *	5775.000	58.47	38.67	97.14	54.00	43.14	AVG	No Limit
7	5851.545	43.28	38.87	82.15	118.68	-36.53	peak	
8	5856.300	40.45	38.89	79.34	110.44	-31.10	peak	
9	5877.100	36.17	38.94	75.11	103.64	-28.53	peak	
10	5928.675	25.18	39.09	64.27	68.20	-3.93	peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC(VHT80) Mode 5775MHz_θ=90°

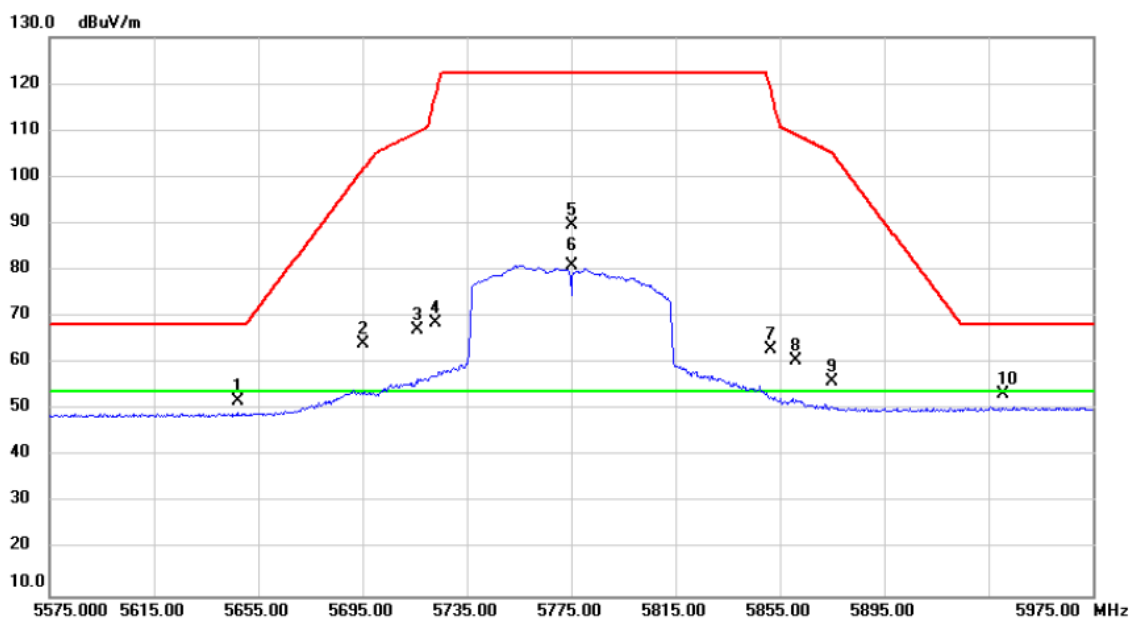
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		17325.00	46.92	8.46	55.38	74.00	-18.62	peak	
2	*	17325.00	37.58	8.46	46.04	54.00	-7.96	AVG	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC(VHT80) Mode 5775MHz_θ=90°

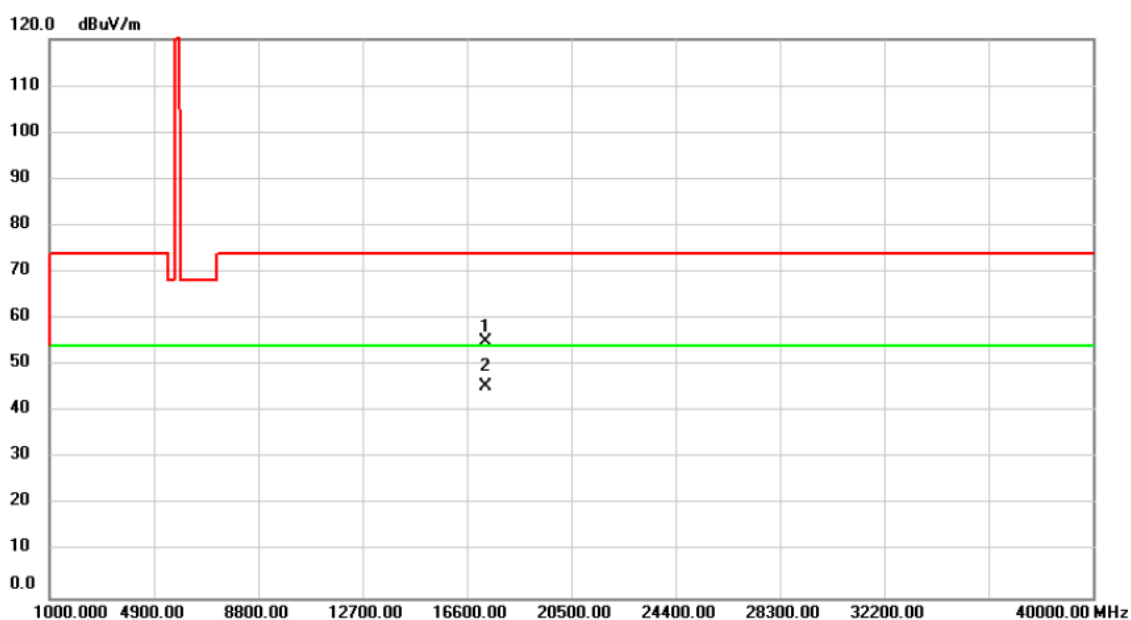
Horizontal



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	5647.075	13.48	38.32	51.80	68.20	-16.40	peak	
2	5695.250	25.69	38.45	64.14	101.70	-37.56	peak	
3	5716.000	28.53	38.51	67.04	109.68	-42.64	peak	
4	5722.905	29.99	38.53	68.52	117.42	-48.90	peak	
5	5775.000	51.08	38.67	89.75	122.20	-32.45	peak	No Limit
6 *	5775.000	42.43	38.67	81.10	54.00	27.10	AVG	No Limit
7	5851.520	24.15	38.87	63.02	118.73	-55.71	peak	
8	5860.880	21.65	38.90	60.55	109.15	-48.60	peak	
9	5875.000	17.00	38.94	55.94	105.20	-49.26	peak	
10	5940.725	14.20	39.12	53.32	68.20	-14.88	peak	

Orthogonal Axis:	X
Test Mode:	UNII-3/TX AC(VHT80) Mode 5775MHz_θ=90°

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		17325.00	46.68	8.46	55.14	74.00	-18.86	peak	
2	*	17325.00	36.88	8.46	45.34	54.00	-8.66	AVG	

TX A Mode_DUTY CYCLE

Duty cycle: TX DUTYMHz

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

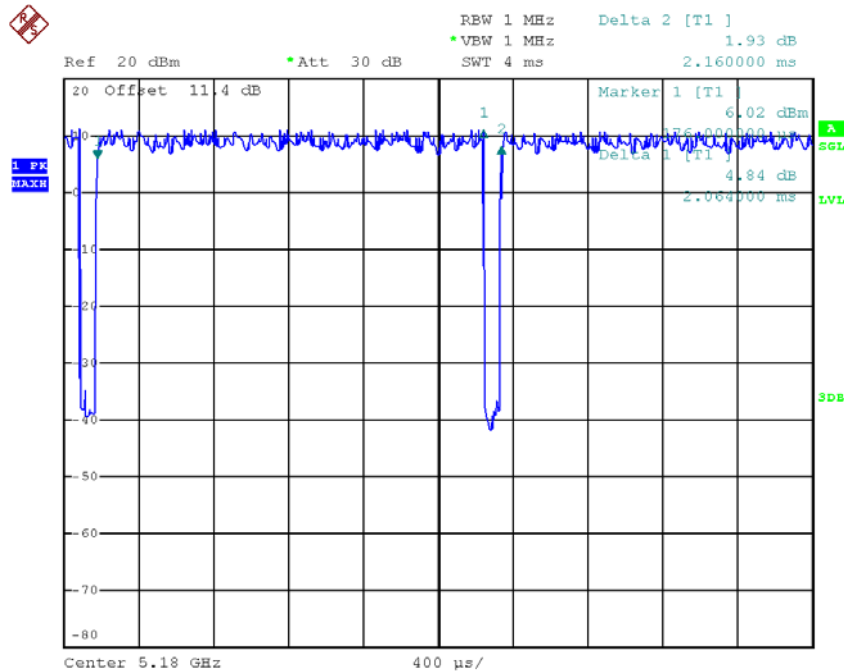
T_{ON} : 2.06 msec

T_{Total} : 2.16 msec

Duty cycle: 95.37%

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

Duty Factor = 0.21



Date: 7.AUG.2017 18:35:00

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

TX AC20 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHZ

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

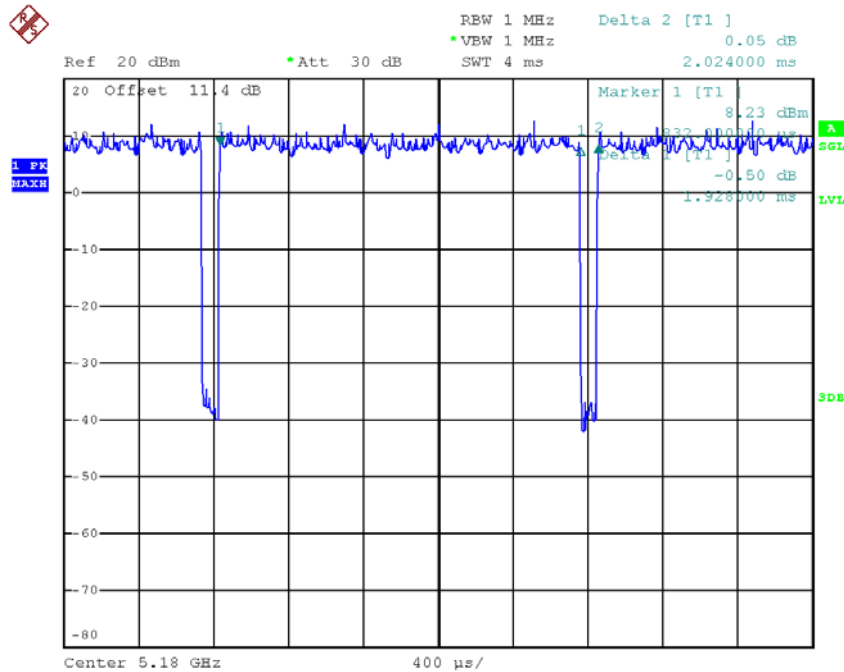
T_{ON} : 1.93 msec

T_{Total} : 2.02 msec

Duty cycle: 95.54%

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

Duty Factor = 0.20



Date: 7.AUG.2017 19:10:16

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

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

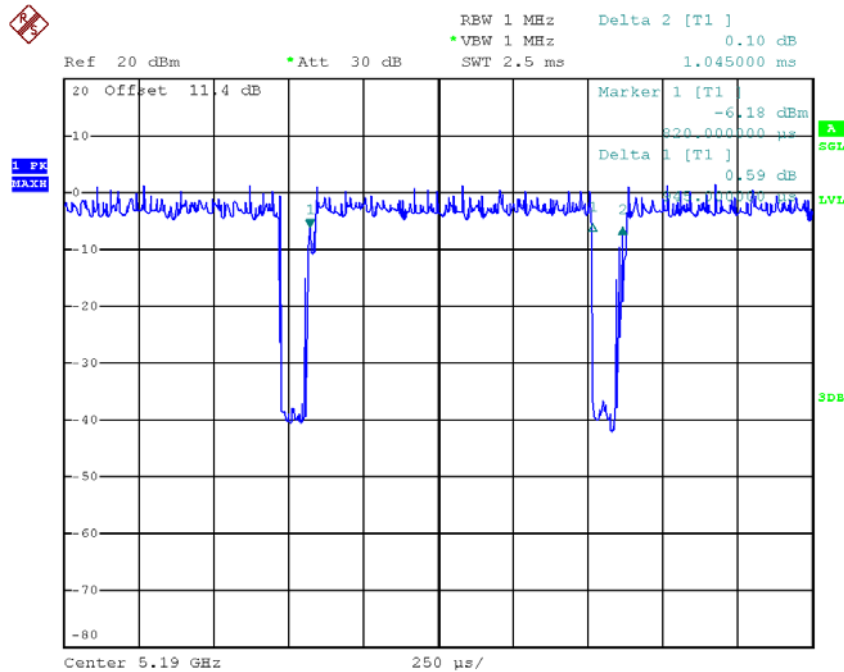
T_{ON} : 0.94 msec

T_{Total}: 1.04 msec

Duty cycle: 90.38%

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

Duty Factor = 0.44



Date: 7.AUG.2017 20:28:26

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

TX AC80 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHZ

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

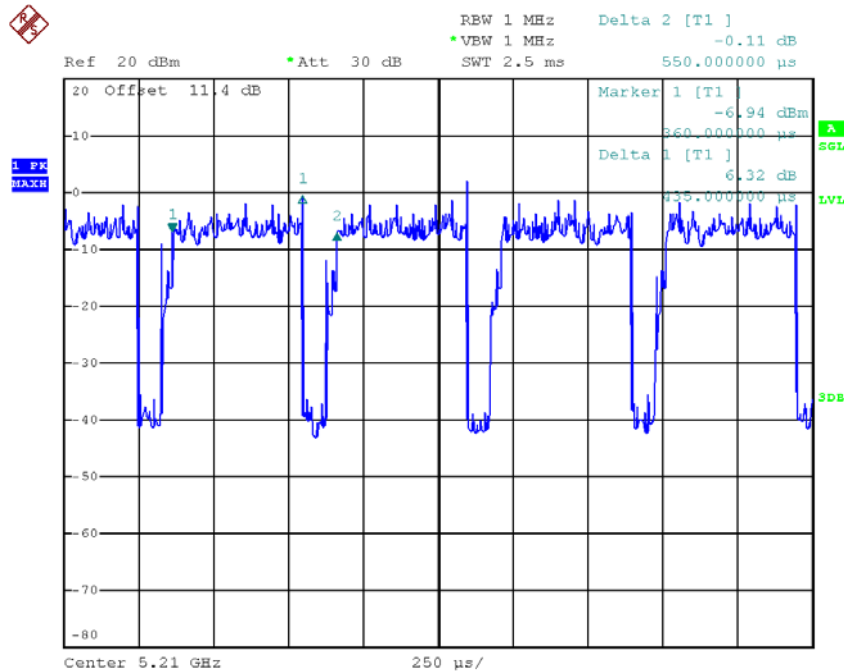
T_{ON} : 0.44 msec

T_{Total} : 0.55 msec

Duty cycle: 80.00%

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

Duty Factor = 0.97



Date: 7.AUG.2017 20:51:36

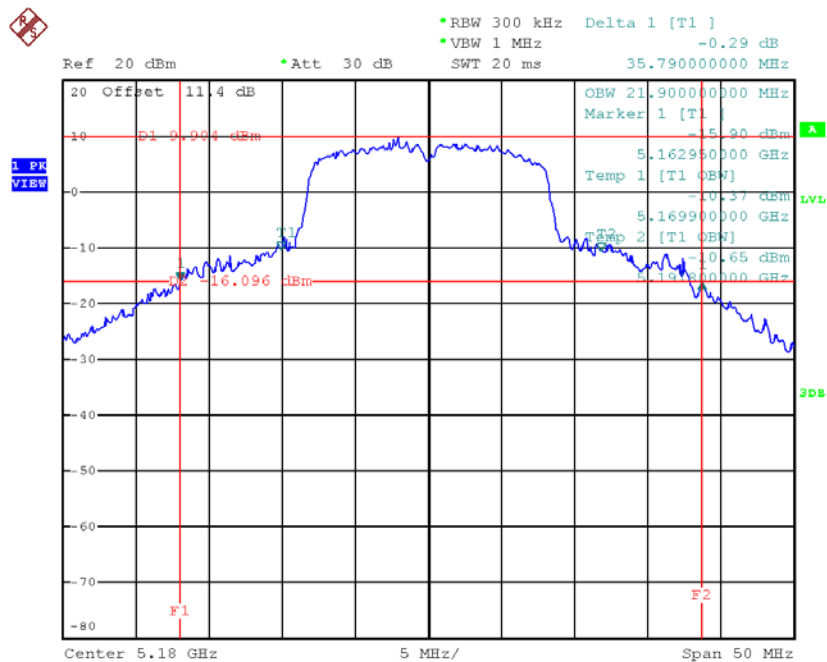
Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is not less than 98 %, so, the output power and power density should be caculated as Output Power = Measured power + Ducus factor
 Power Spectral Density = Measured density + Duty factor

ATTACHMENT E - BANDWIDTH

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

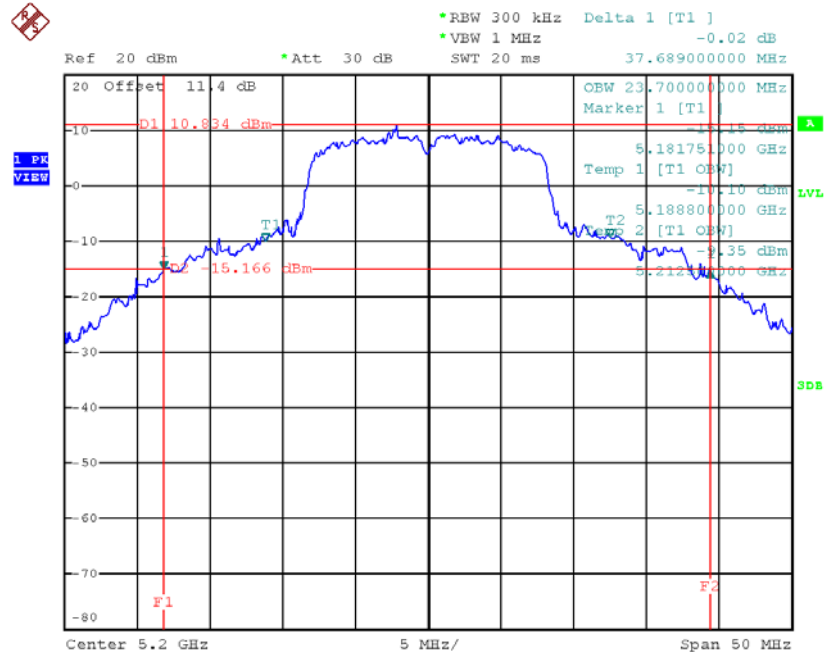
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	35.79	21.90
CH40	5200	37.69	23.70
CH48	5240	45.89	31.50

TX CH36



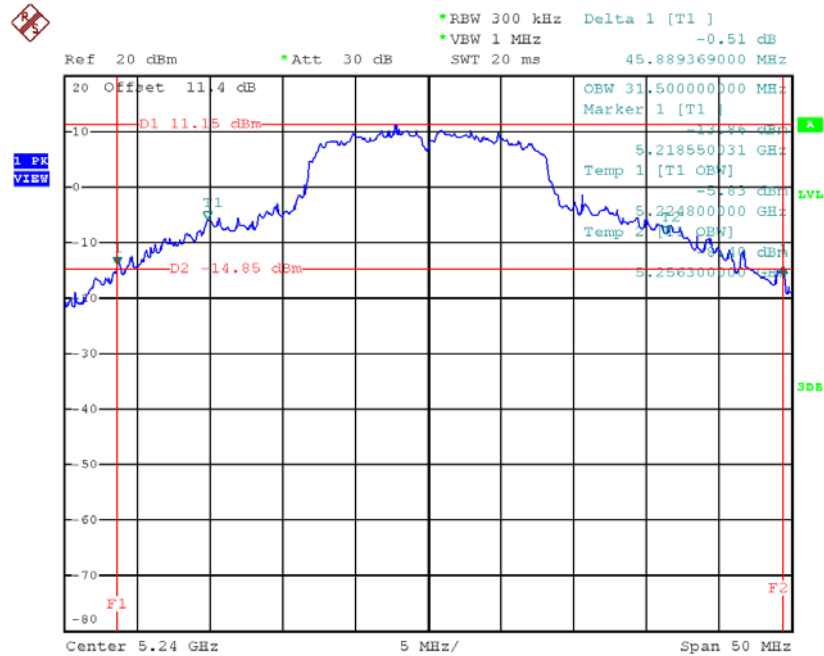
Date: 7.AUG.2017 18:38:08

TX CH40



Date: 7.AUG.2017 18:43:18

TX CH48

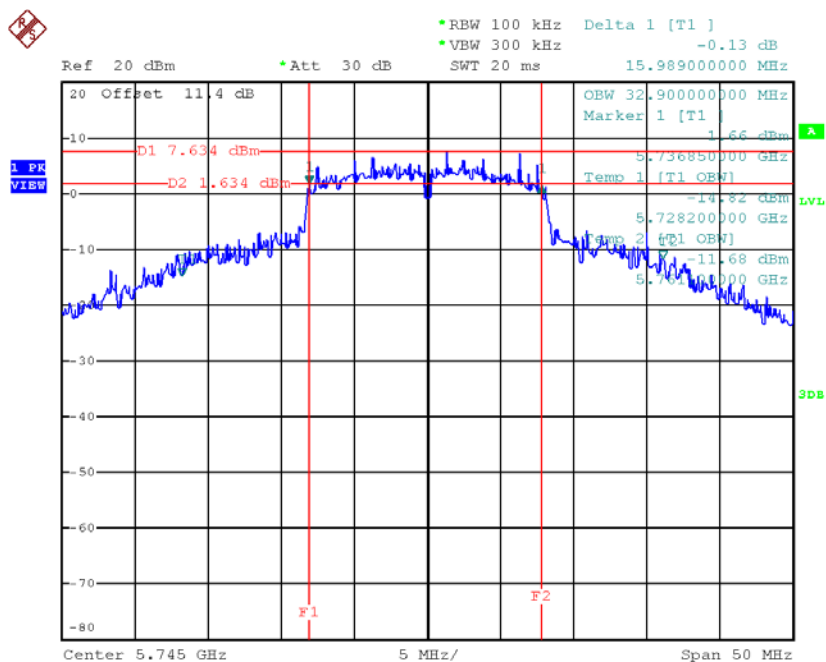


Date: 7.AUG.2017 18:44:04

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

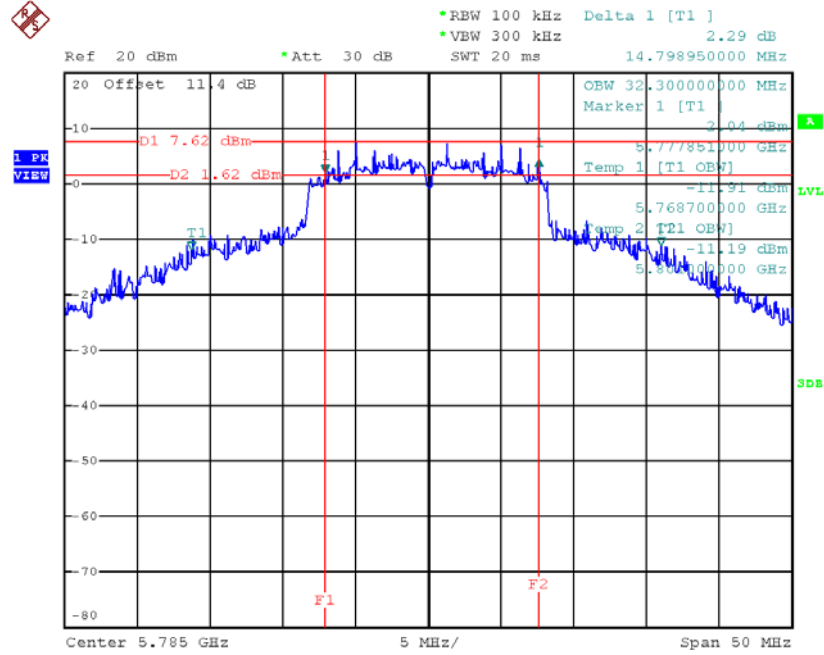
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	15.99	32.90	>=500
CH157	5785	14.80	32.30	>=500
CH165	5825	15.15	32.00	>=500

TX CH 149



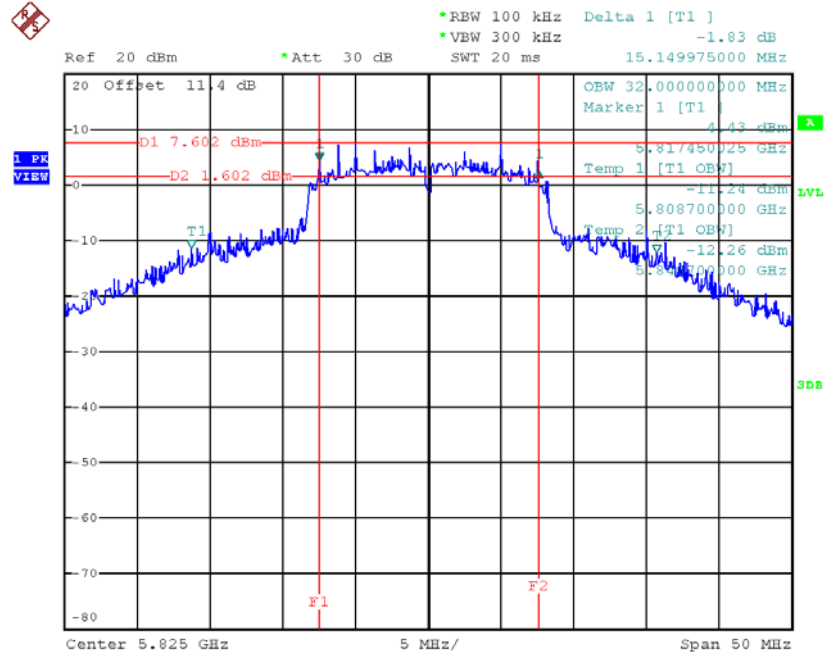
Date: 7.AUG.2017 18:45:56

TX CH 157



Date: 7.AUG.2017 18:49:37

TX CH 165

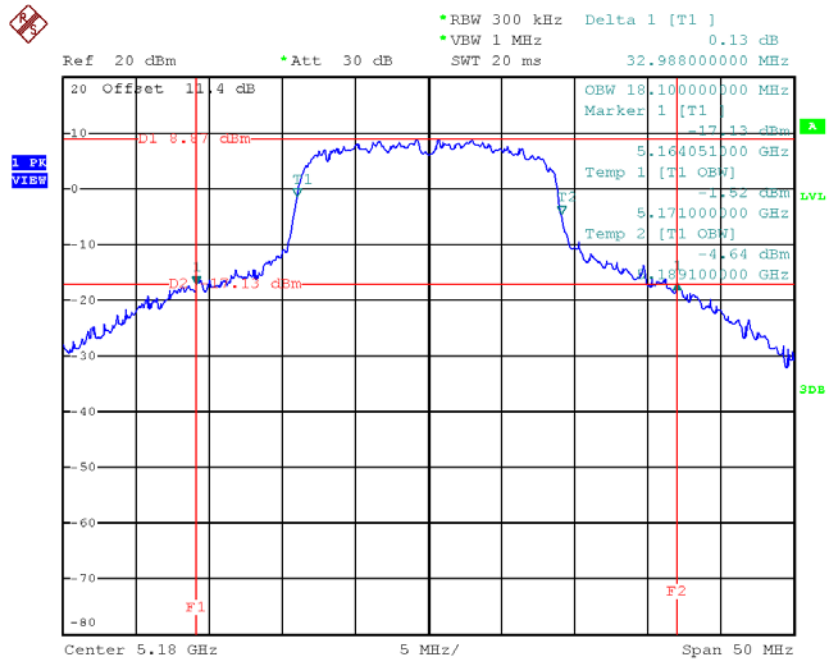


Date: 7.AUG.2017 18:51:45

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

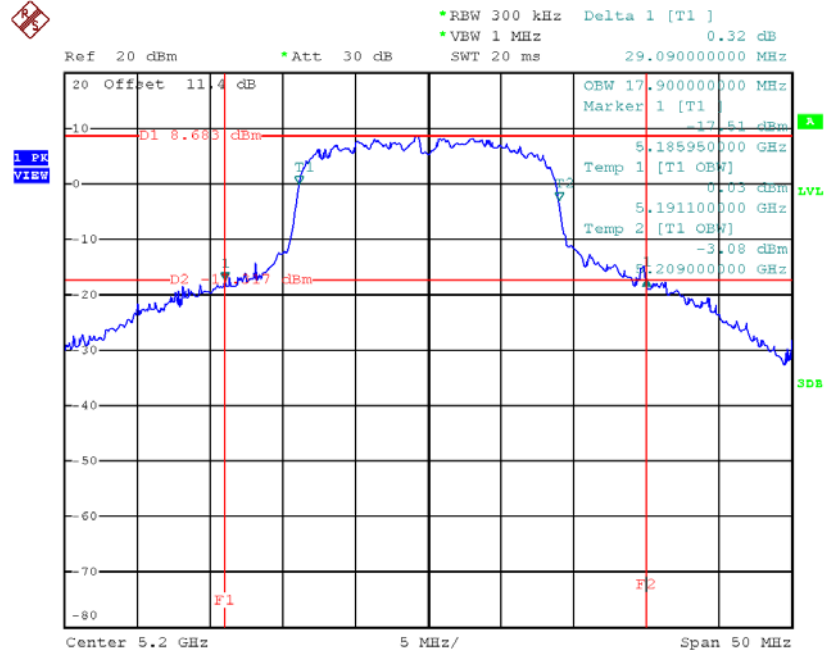
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	32.99	18.10
CH40	5200	29.09	17.90
CH48	5240	35.60	19.40

TX CH36



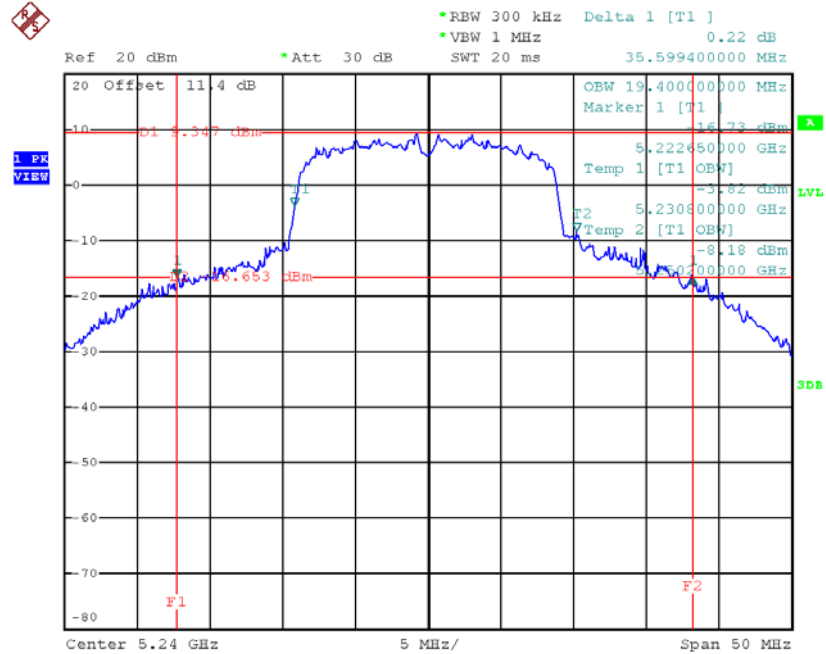
Date: 7.AUG.2017 20:20:09

TX CH40



Date: 7.AUG.2017 20:21:13

TX CH48

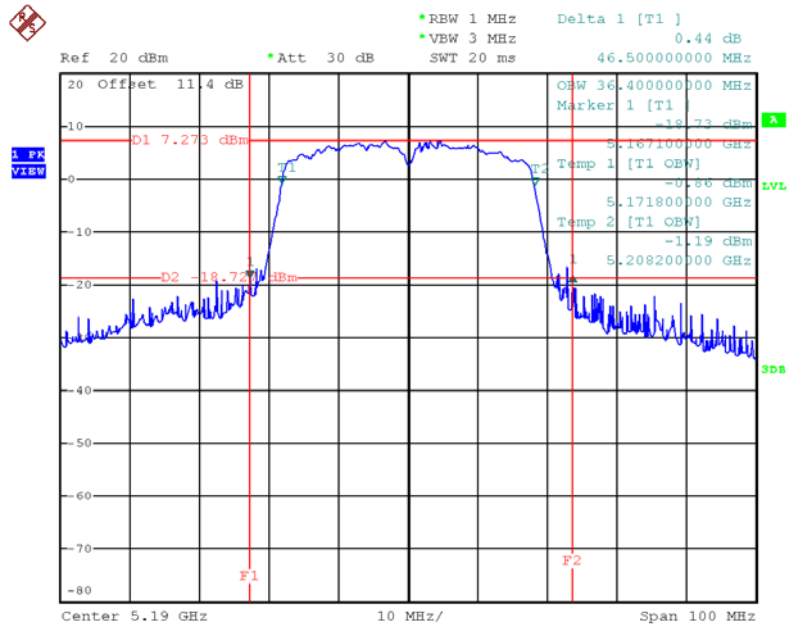


Date: 7.AUG.2017 20:22:12

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

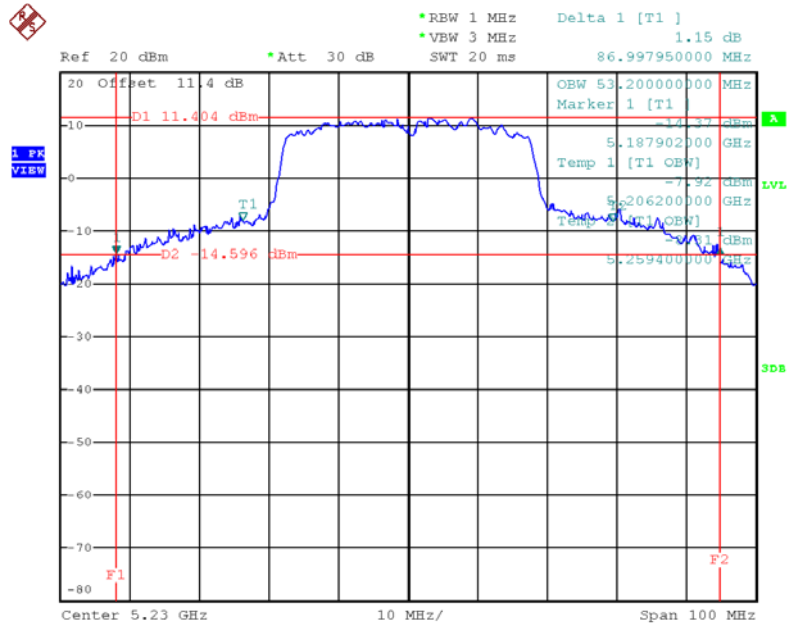
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH38	5190	46.50	36.40
CH46	5230	87.00	53.20

TX CH38



Date: 7.AUG.2017 20:44:23

TX CH46

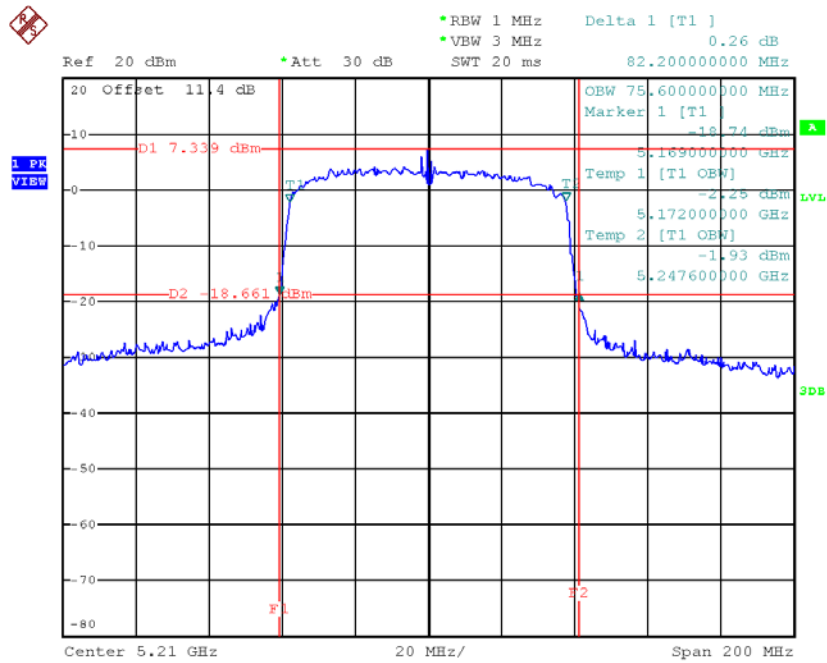


Date: 7.AUG.2017 20:42:43

Test Mode: UNII-1/TX AC80 Mode_CH42

Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH42	5210	82.20	75.60

TX CH42

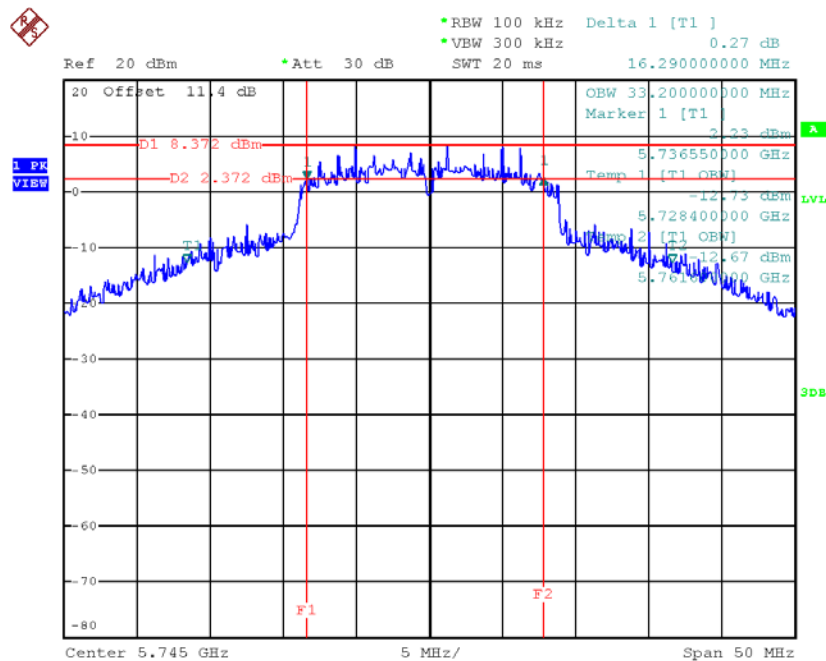


Date: 7.AUG.2017 20:47:05

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

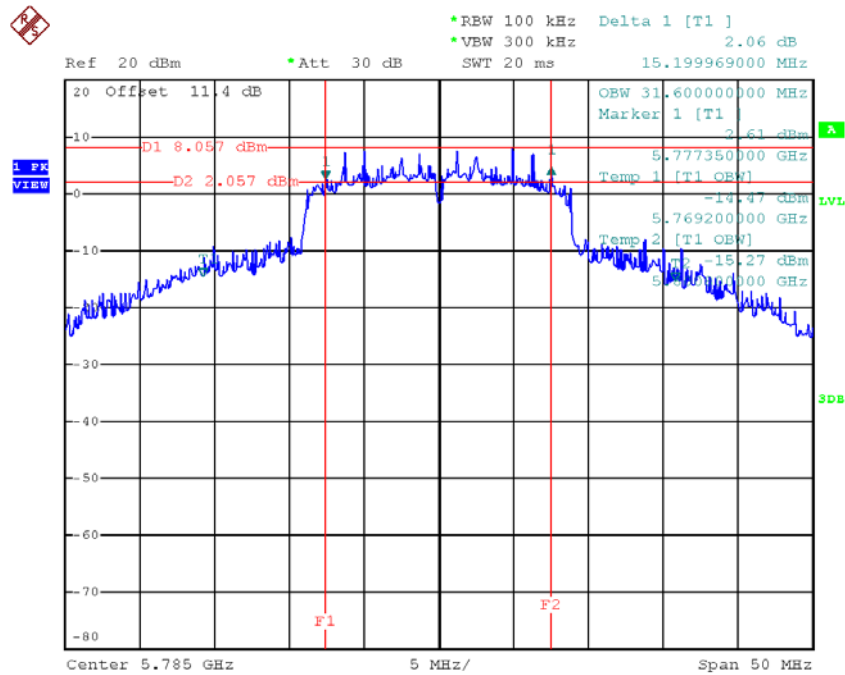
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	16.29	33.20	>=500
CH157	5785	15.20	31.60	>=500
CH165	5825	15.80	33.00	>=500

TX CH 149



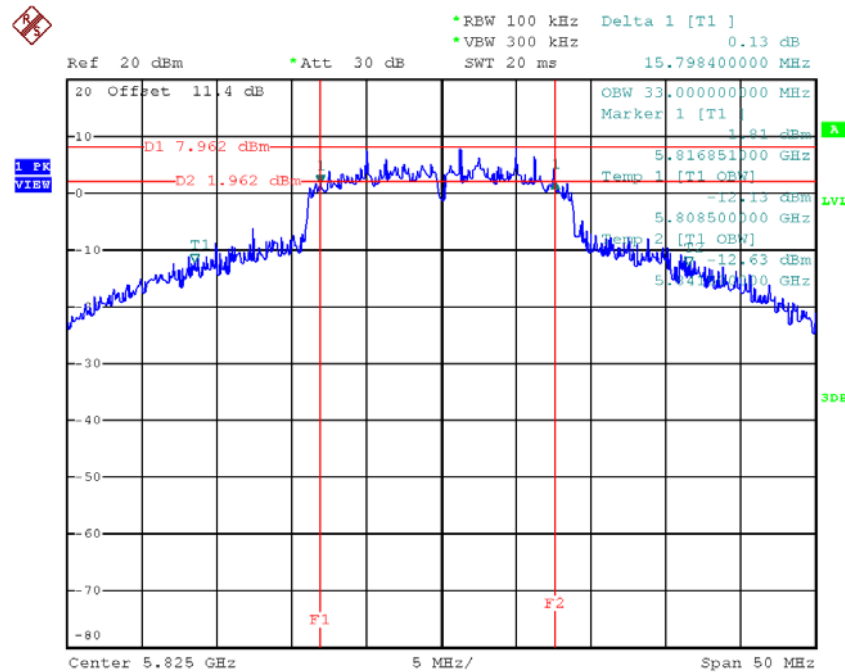
Date: 7.AUG.2017 20:24:02

TX CH 157



Date: 7.AUG.2017 20:25:17

TX CH 165

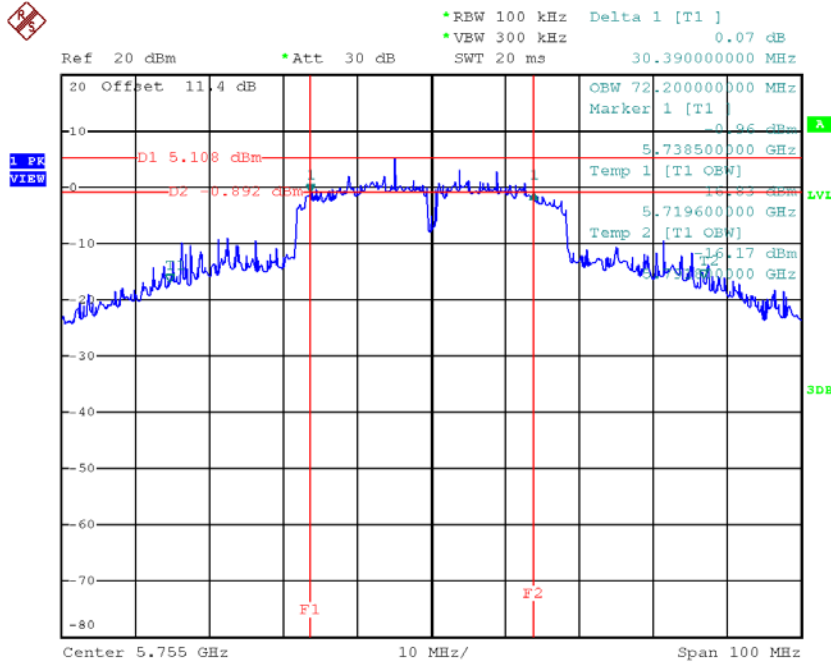


Date: 7.AUG.2017 20:26:24

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

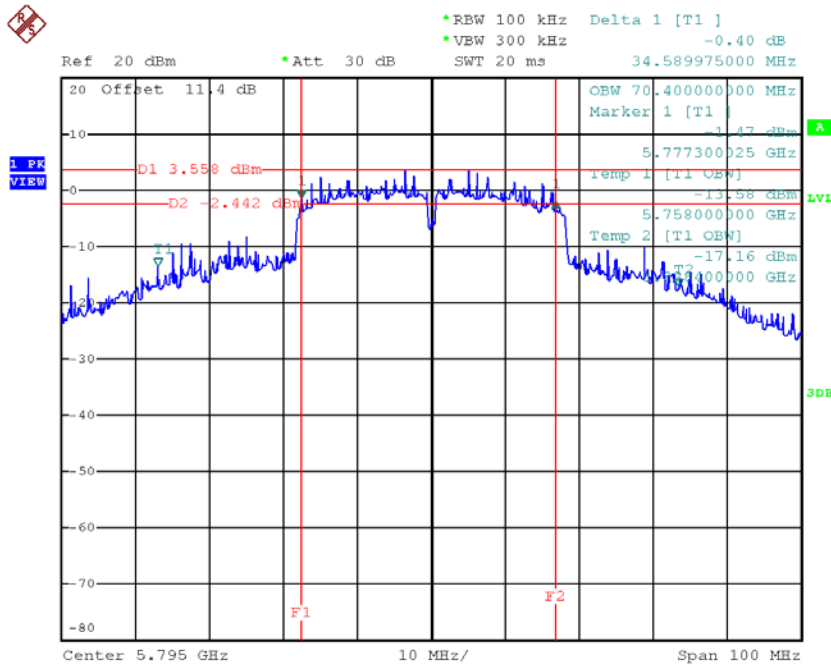
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH151	5755	30.39	72.20	>=500
CH159	5795	34.59	70.40	>=500

TX CH 151



Date: 7.AUG.2017 20:39:18

TX CH 159

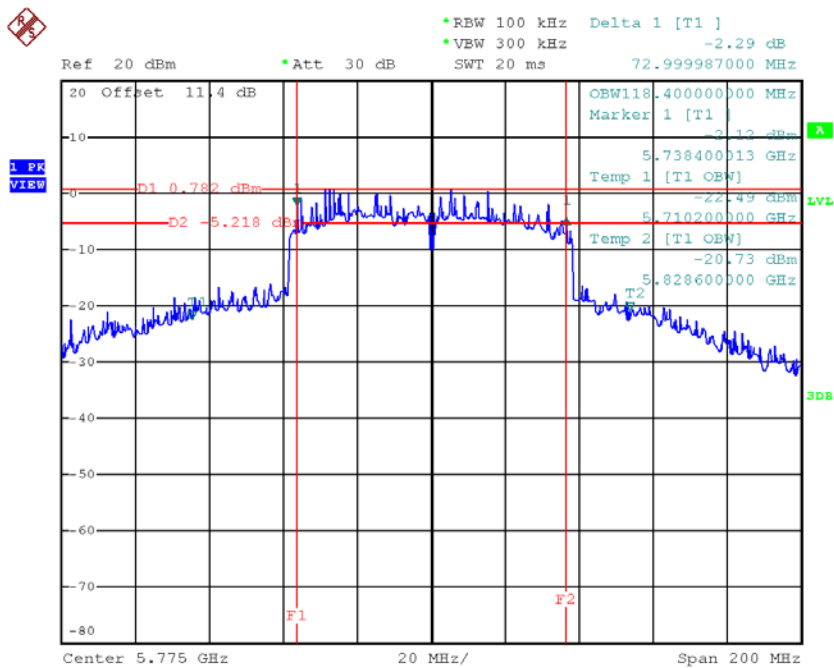


Date: 7.AUG.2017 20:37:29

Test Mode: UNII-3/ TX AC80 Mode_CH155

Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH155	5775	73.00	118.40	>=500

TX CH 155



Date: 7.AUG.2017 20:50:16

ATTACHMENT F - MAXIMUM OUTPUT POWER

Test Mode: UNII-1/TX A Mode

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)	Result
CH36	5180	18.35	24.00	0.25	Complies
CH40	5200	18.35	24.00	0.25	Complies
CH48	5240	19.02	24.00	0.25	Complies

Test Mode: UNII-1/TX AC20 Mode

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)	Result
CH36	5180	17.86	24.00	0.25	Complies
CH40	5200	17.74	24.00	0.25	Complies
CH48	5240	17.84	24.00	0.25	Complies

Test Mode: UNII-1/TX AC40 Mode

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)	Result
CH38	5190	14.07	24.00	0.25	Complies
CH46	5230	17.61	24.00	0.25	Complies

Test Mode: UNII-1/TX AC80 Mode

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)	Result
CH42	5210	13.96	24.00	0.25	Complies

Test Mode: UNII-3/ TX A Mode

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)	Result
CH149	5745	18.22	30.00	1.00	Complies
CH157	5785	18.34	30.00	1.00	Complies
CH165	5825	17.74	30.00	1.00	Complies

Test Mode: UNII-3/TX AC20 Mode

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)	Result
CH149	5745	18.63	30.00	1.00	Complies
CH157	5785	17.82	30.00	1.00	Complies
CH165	5825	17.75	30.00	1.00	Complies

Test Mode: UNII-3/TX AC40 Mode

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)	Result
CH151	5755	17.41	30.00	1.00	Complies
CH159	5795	17.72	30.00	1.00	Complies

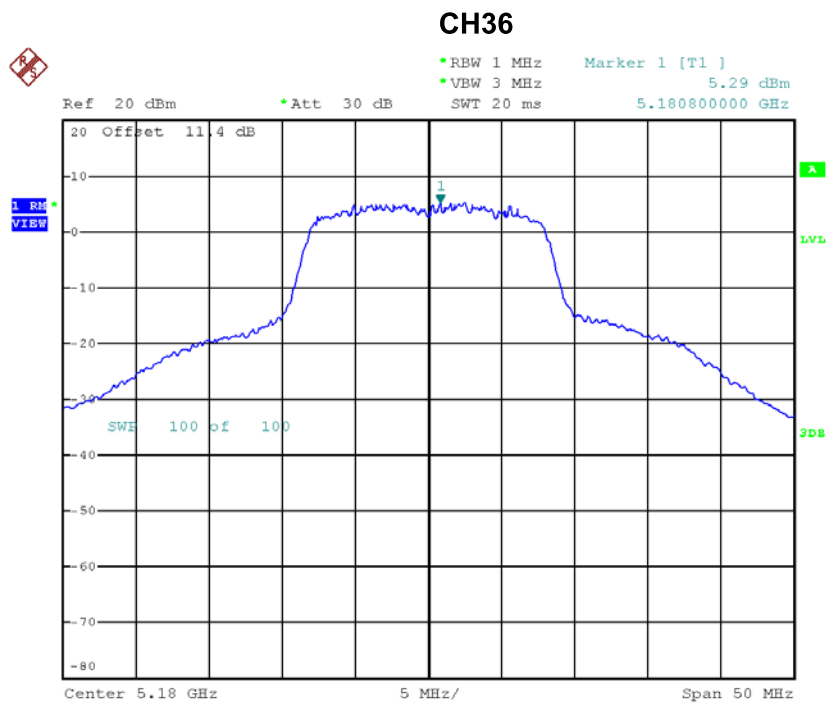
Test Mode: UNII-3/TX AC80 Mode

Channel	Frequency (MHz)	Output Power (dBm)	Limit (dBm)	Limit (Watt)	Result
CH155	5775	16.05	30.00	1.00	Complies

ATTACHMENT G - POWER SPECTRAL DENSITY

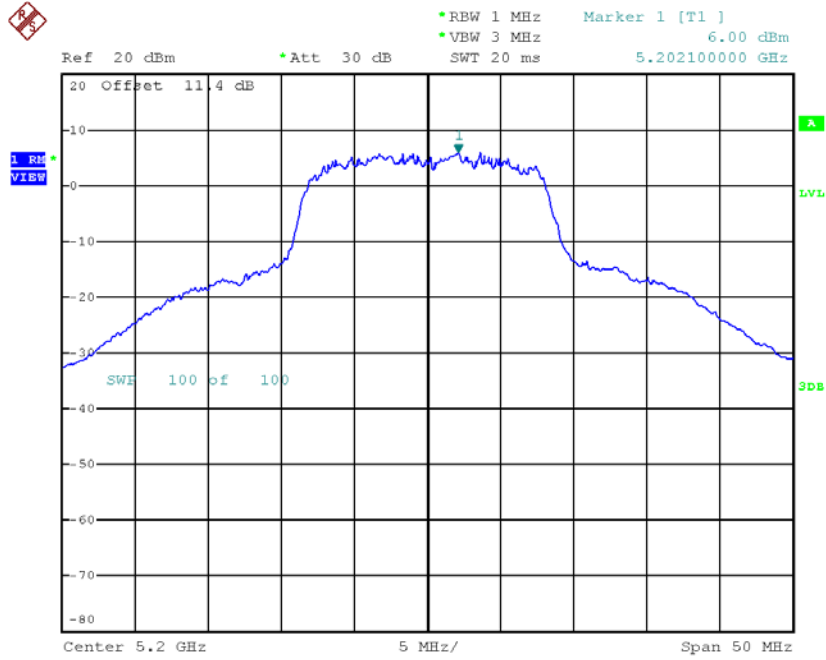
Test Mode: UNII-1/ TX A Mode_CH36/CH40/CH48

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	5.29	0.21	5.50	11.00
CH40	5200	6.00	0.21	6.21	11.00
CH48	5240	6.80	0.21	7.01	11.00



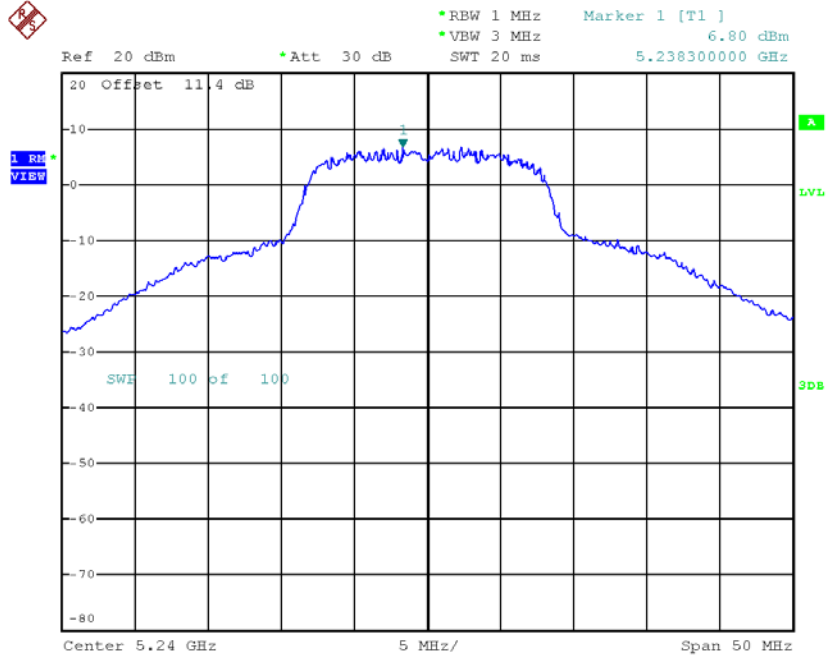
Date: 7.AUG.2017 18:38:17

CH40



Date: 7.AUG.2017 18:43:27

CH48



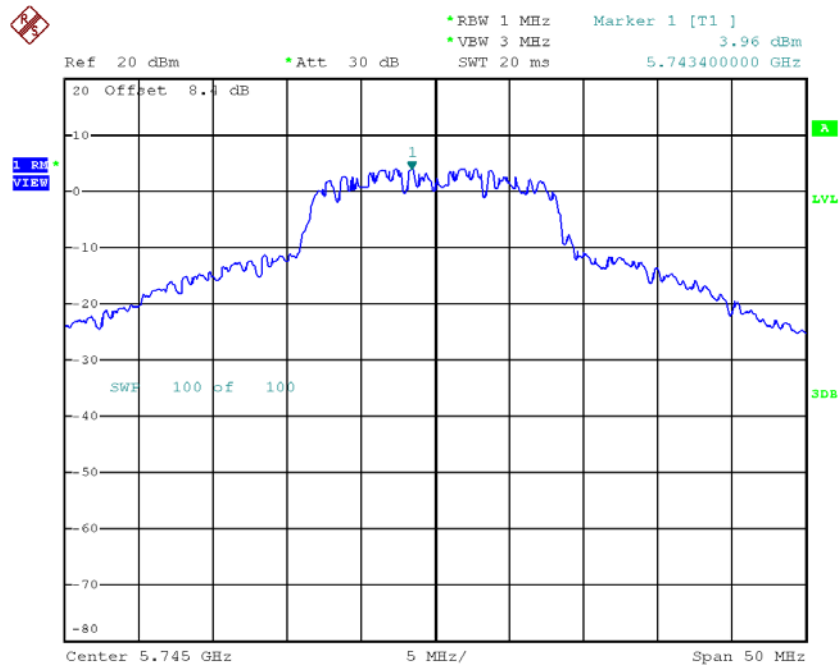
Date: 7.AUG.2017 18:44:13

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	3.96	0.21	4.17	30.00
CH157	5785	3.49	0.21	3.70	30.00
CH165	5825	3.41	0.21	3.62	30.00

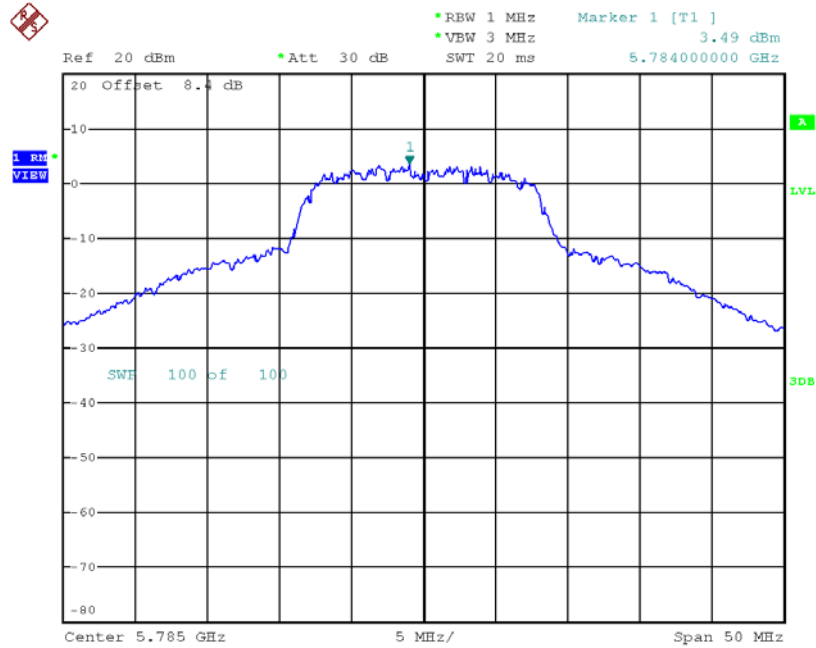
*System Offset = 11.4dB – (10log(1MHz/500KHz)) = 8.4dB

TX CH149



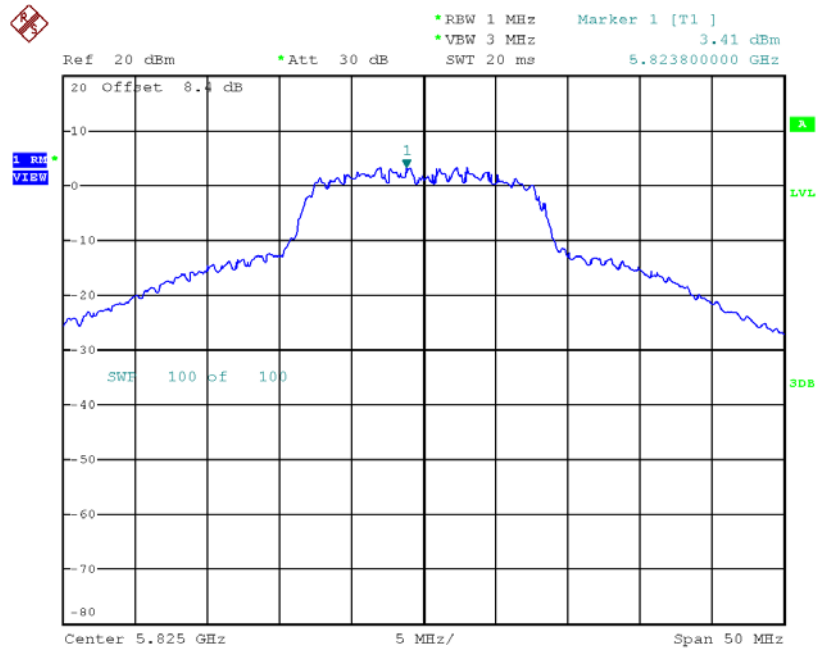
Date: 7.AUG.2017 18:46:05

TX CH157



Date: 7.AUG.2017 18:49:46

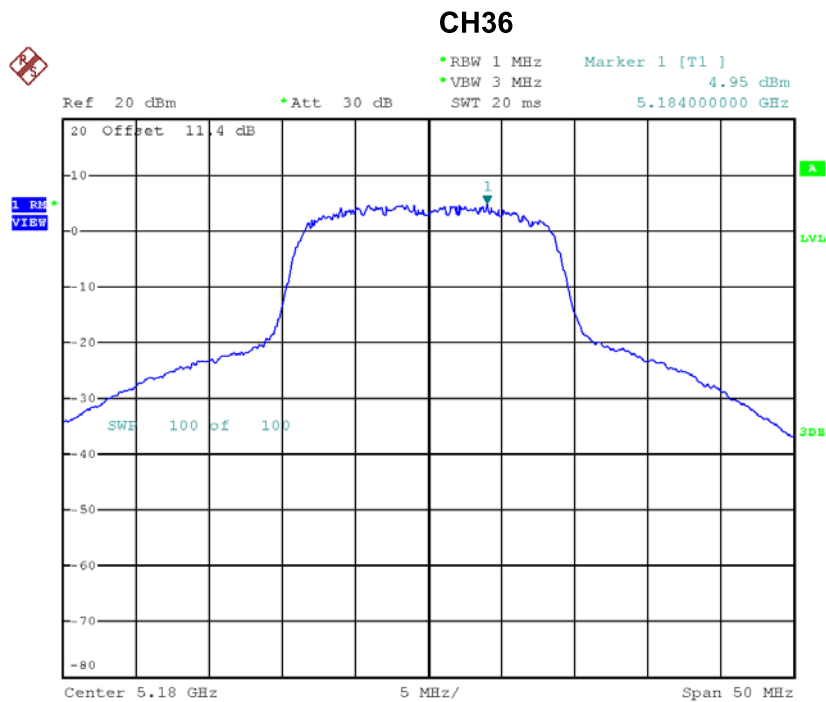
TX CH165



Date: 7.AUG.2017 18:51:54

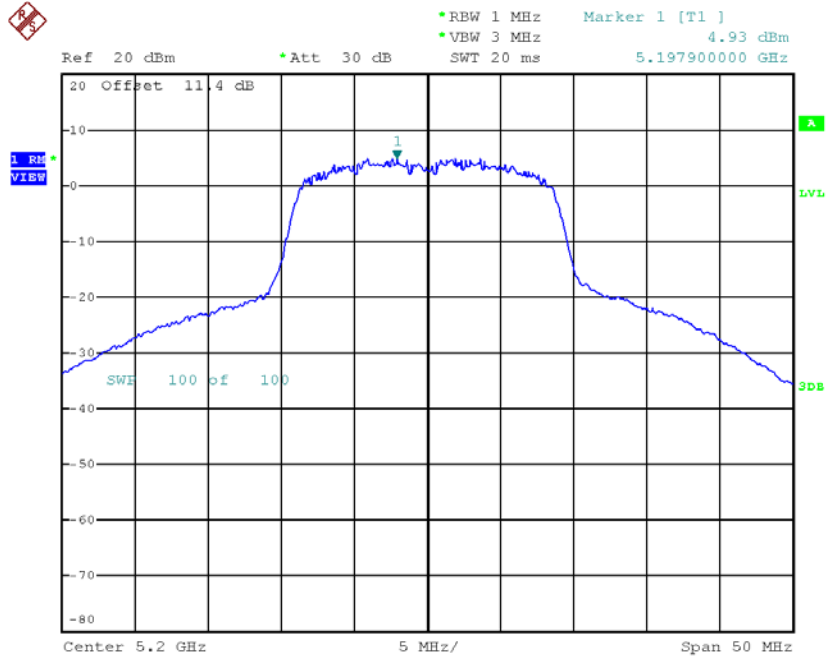
Test Mode: UNII-1/TX AC20 Mode_CH36/CH40/CH48

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	4.95	0.20	5.15	11.00
CH40	5200	4.93	0.20	5.13	11.00
CH48	5240	5.29	0.20	5.49	11.00



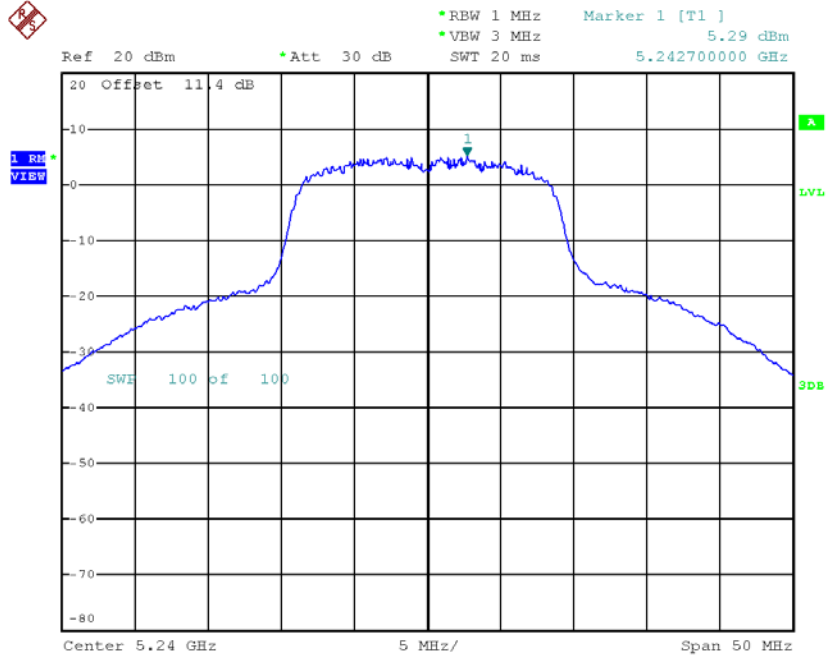
Date: 7.AUG.2017 20:20:17

CH40



Date: 7.AUG.2017 20:21:22

CH48

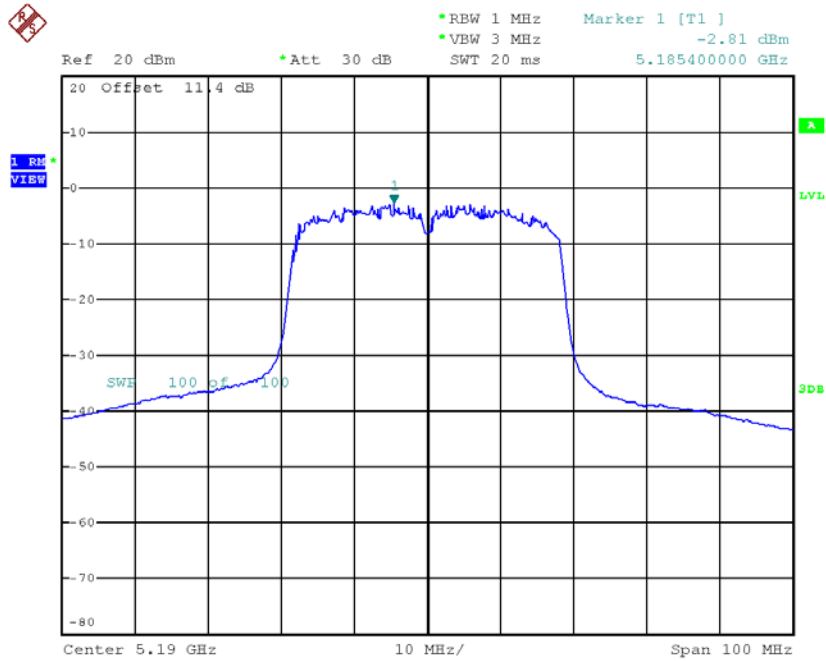


Date: 7.AUG.2017 20:22:21

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

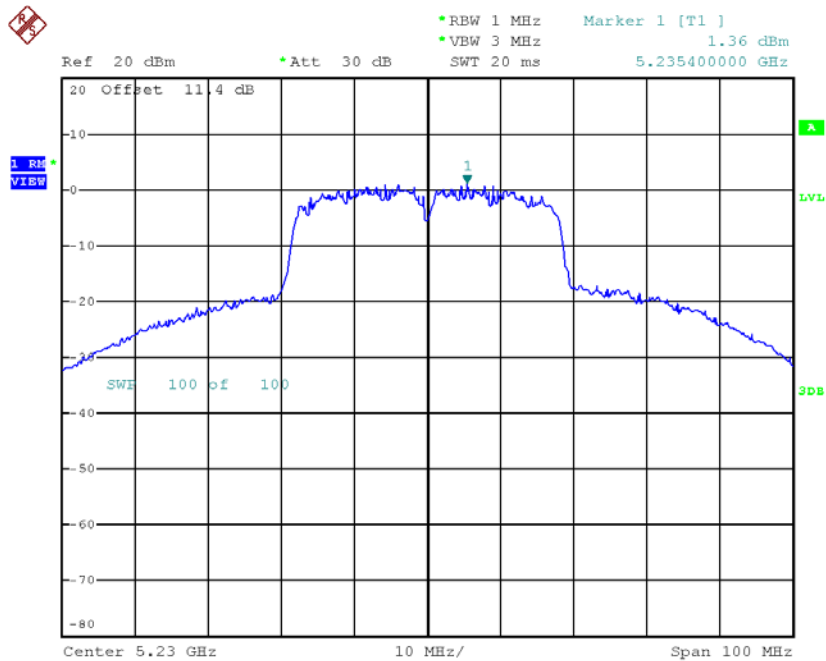
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	-2.81	0.44	-2.37	11.00
CH46	5230	1.36	0.44	1.80	11.00

CH38



Date: 7.AUG.2017 20:44:35

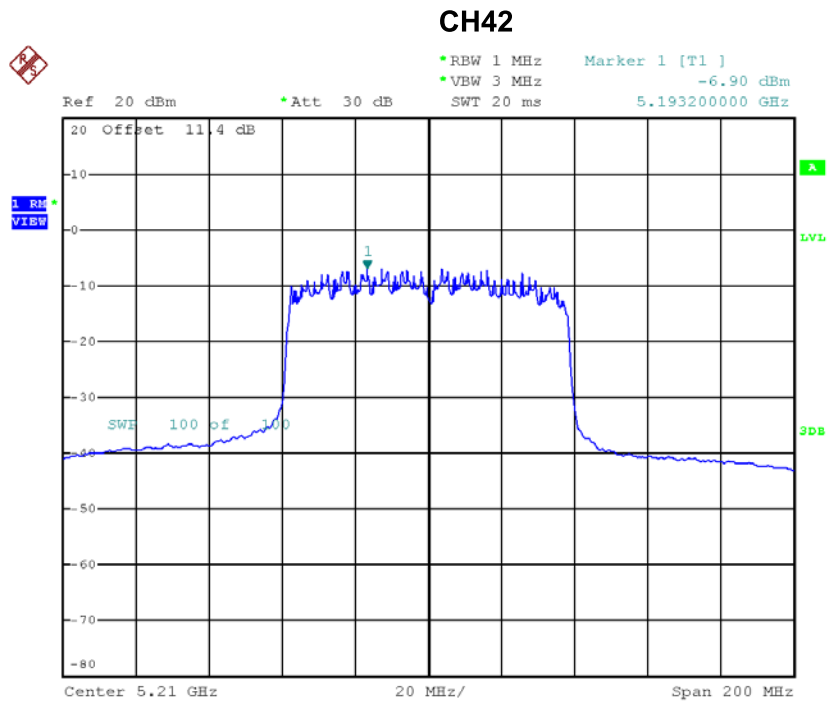
CH46



Date: 7.AUG.2017 20:42:56

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	-6.90	0.97	-5.93	11.00



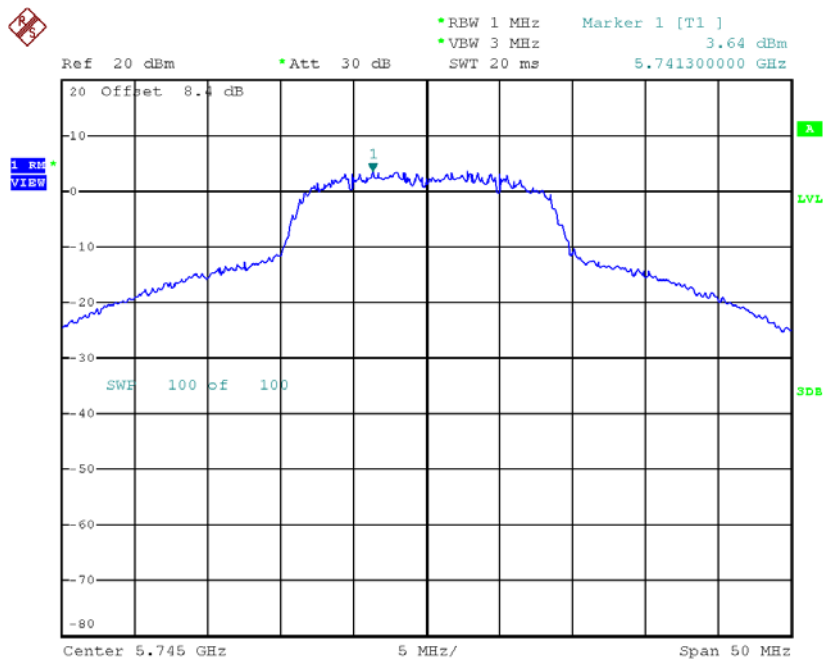
Date: 7.AUG.2017 20:47:17

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	3.64	0.20	3.84	30.00
CH157	5785	3.20	0.20	3.40	30.00
CH165	5825	3.17	0.20	3.37	30.00

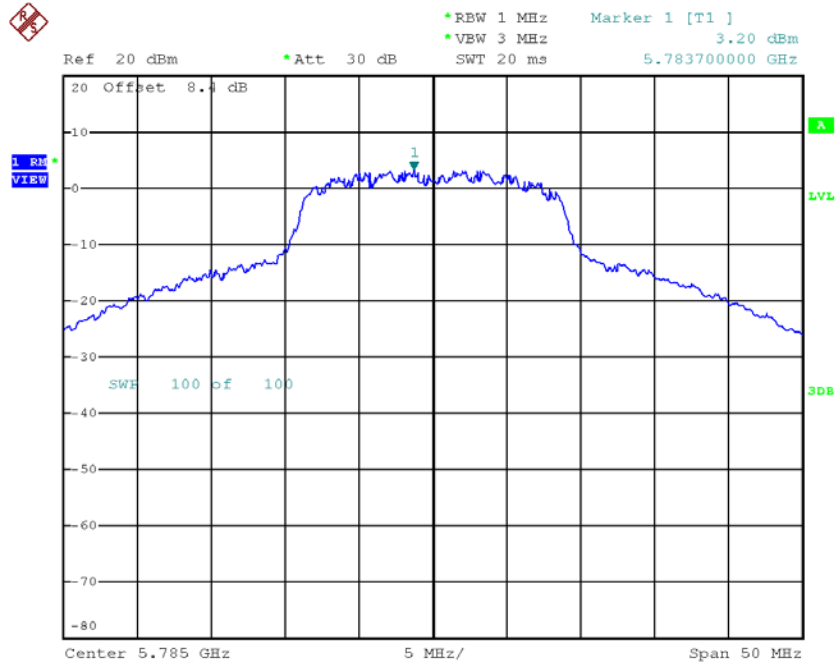
*System Offset = 11.4dB – (10log(1MHz/500KHz)) = 8.4dB

TX CH149



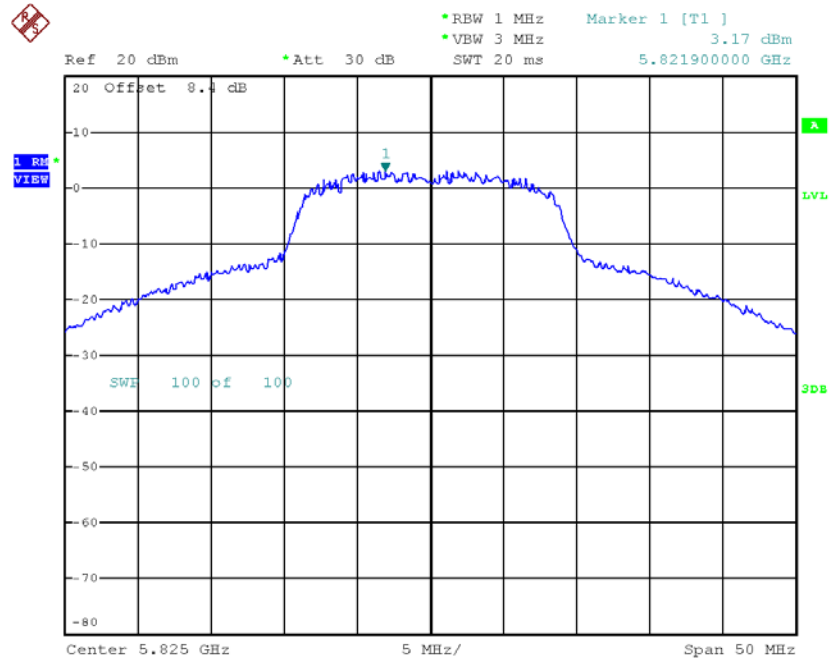
Date: 7.AUG.2017 20:24:11

TX CH157



Date: 7.AUG.2017 20:25:26

TX CH165



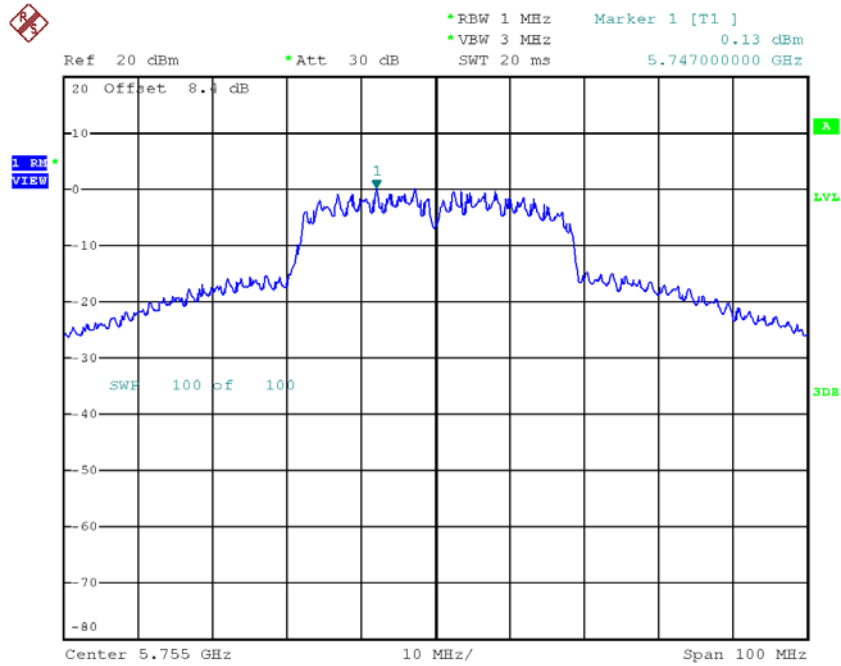
Date: 7.AUG.2017 20:26:33

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	0.13	0.44	0.57	30.00
CH159	5795	-0.39	0.44	0.05	30.00

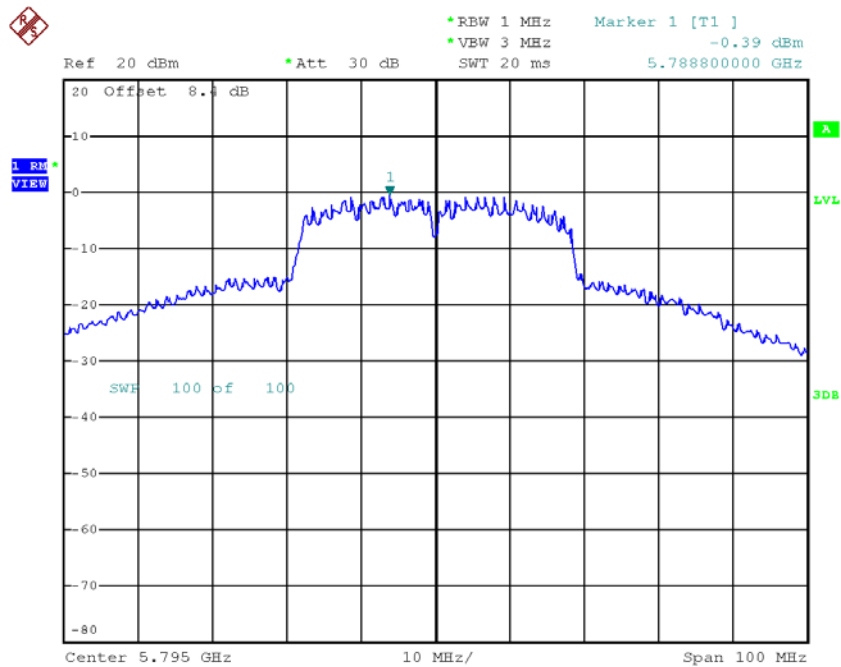
*System Offset = 11.4dB – (10log(1MHz/500KHz)) = 8.4dB

TX CH151



Date: 7.AUG.2017 20:39:30

TX CH159



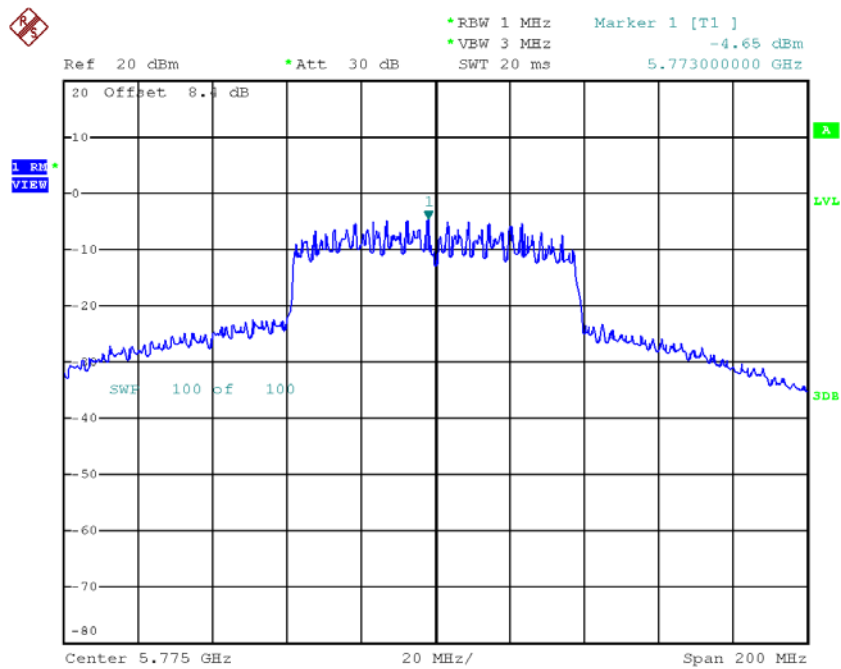
Date: 7.AUG.2017 20:37:41

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	-4.65	0.97	-3.68	30.00

*System Offset = 11.4dB – (10log(1MHz/500KHz)) = 8.4dB

TX CH155



Date: 7.AUG.2017 20:50:28

ATTACHMENT H - FREQUENCY STABILITY

Frequency Stability Measurement				
Voltage	Measurement Frequency (MHz)	Max. Deviation (ppm)	Limit (ppm)	Test Results
(V)	5180.0000			
3.3	5179.9712	6.3320	20	PASS
3.6	5179.9676			
3.0	5179.9672			

Temperature vs. Frequency Stability				
Temperature	Measurement Frequency (MHz)			
	5180.0000			
(°C)	0 Min	2 Min	5 Min	10 Min
-20	5180.0328	5180.0324	5180.0324	5180.0328
-10	5180.0180	5180.0172	5180.0152	5180.0148
0	5180.0064	5180.0064	5180.0060	5180.0040
10	5179.9804	5179.9808	5179.9808	5179.9812
20	5179.9712	5179.9708	5179.9704	5179.9688
30	5179.9560	5179.9560	5179.9556	5179.9556
40	5179.9504	5179.9500	5179.9500	5179.9496
50	5179.9544	5179.9548	5179.9548	5179.9552
Max. Deviation (ppm)	9.5753	9.6525	9.6525	9.7297