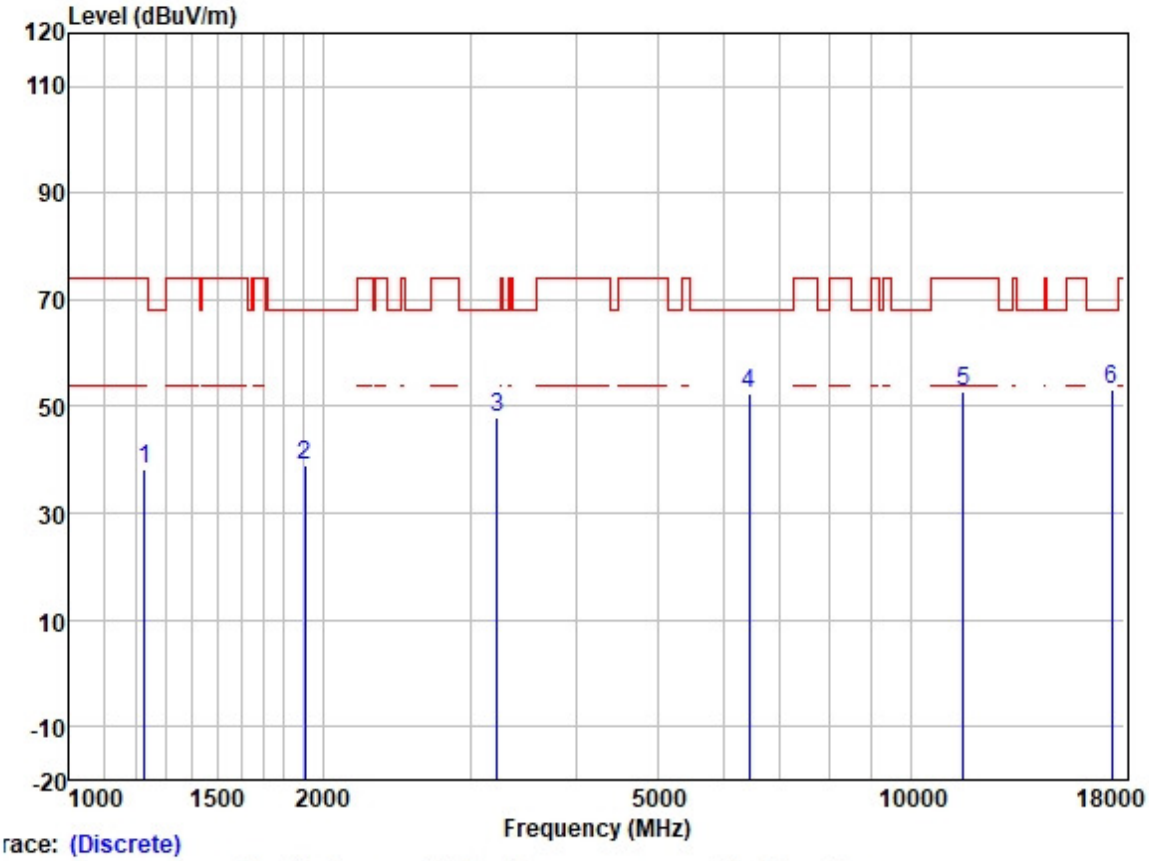
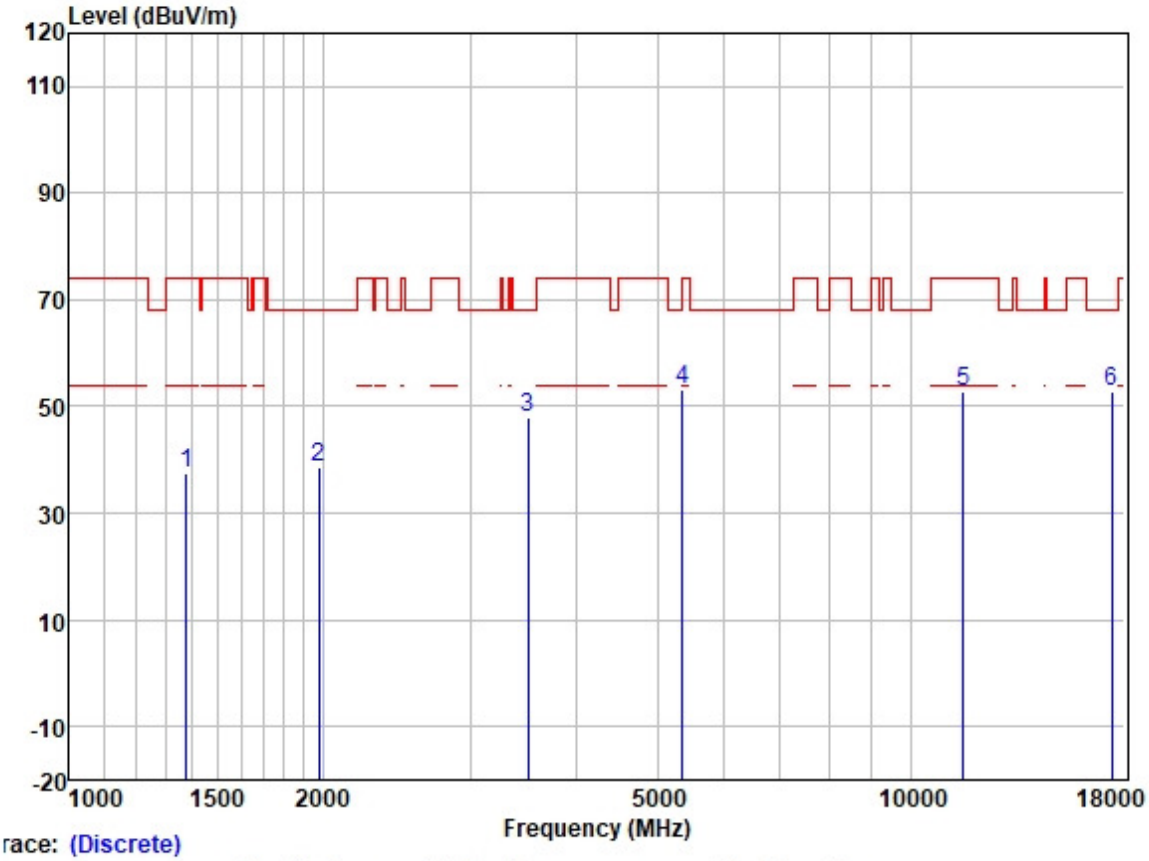
Test Mode: 28; Polarity: Horizontal; Modulation:OFDM; Channel:middle



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1228.516	49.51	24.88	2.31	38.37	38.33	74.00	-35.67	HORIZONTAL	Peak
2	1903.368	47.64	26.04	2.91	37.75	38.84	68.20	-29.36	HORIZONTAL	Peak
3	3223.461	52.43	28.63	4.01	37.07	48.00	68.20	-20.20	HORIZONTAL	Peak
4	6430.715	49.52	33.83	5.88	36.99	52.24	68.20	-15.96	HORIZONTAL	Peak
5	11573.000	41.63	39.78	8.38	37.14	52.65	74.00	-21.35	HORIZONTAL	Peak
6	17359.500	34.61	43.40	10.39	35.32	53.08	68.20	-15.12	HORIZONTAL	Peak

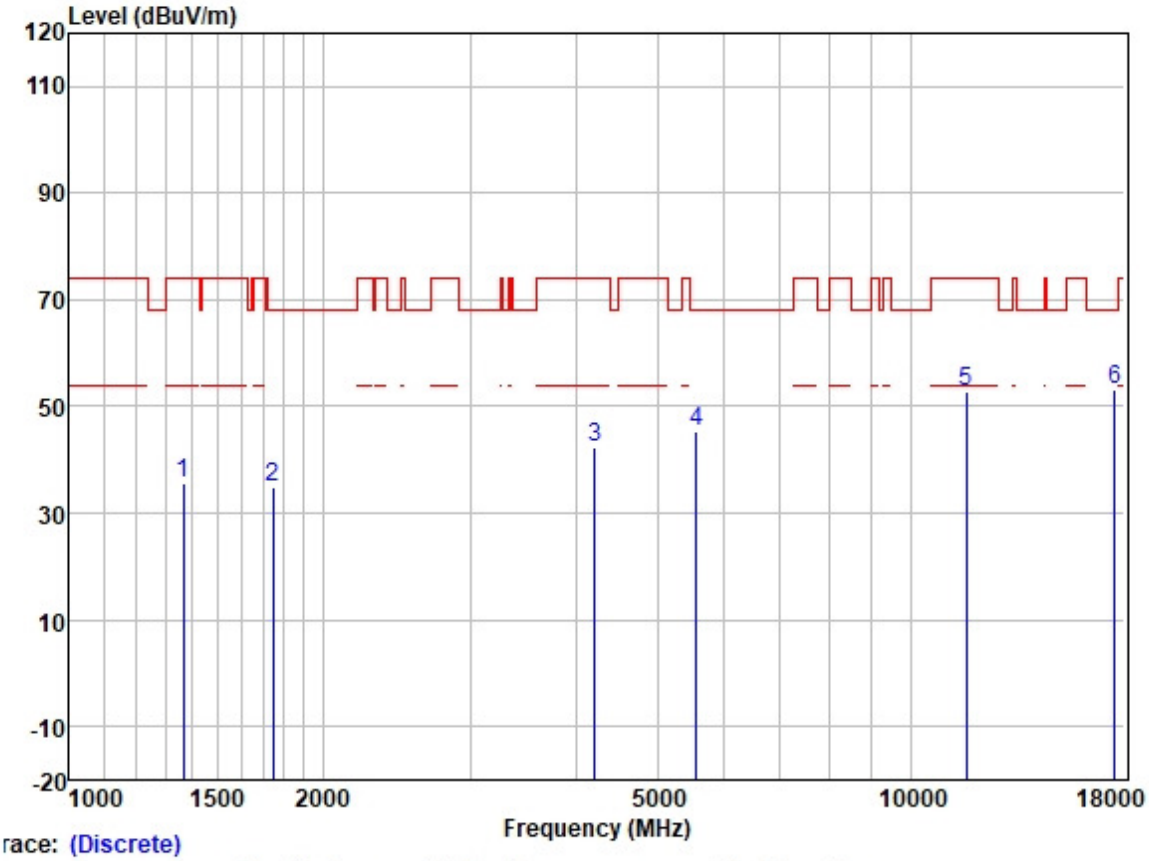
Test Mode: 28; Polarity: Vertical; Modulation:OFDM; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1375.936	47.62	25.35	2.60	38.25	37.32	74.00	-36.68	VERTICAL	Peak
2	1978.925	47.03	26.09	3.06	37.71	38.47	68.20	-29.73	VERTICAL	Peak
3	3506.342	51.66	28.91	4.33	36.94	47.96	68.20	-20.24	VERTICAL	Peak
4	5359.385	52.20	31.78	6.03	36.88	53.13	74.00	-20.87	VERTICAL	Peak
5	11573.000	41.87	39.78	8.38	37.14	52.89	74.00	-21.11	VERTICAL	Peak
6	17359.500	34.42	43.40	10.39	35.32	52.89	68.20	-15.31	VERTICAL	Peak

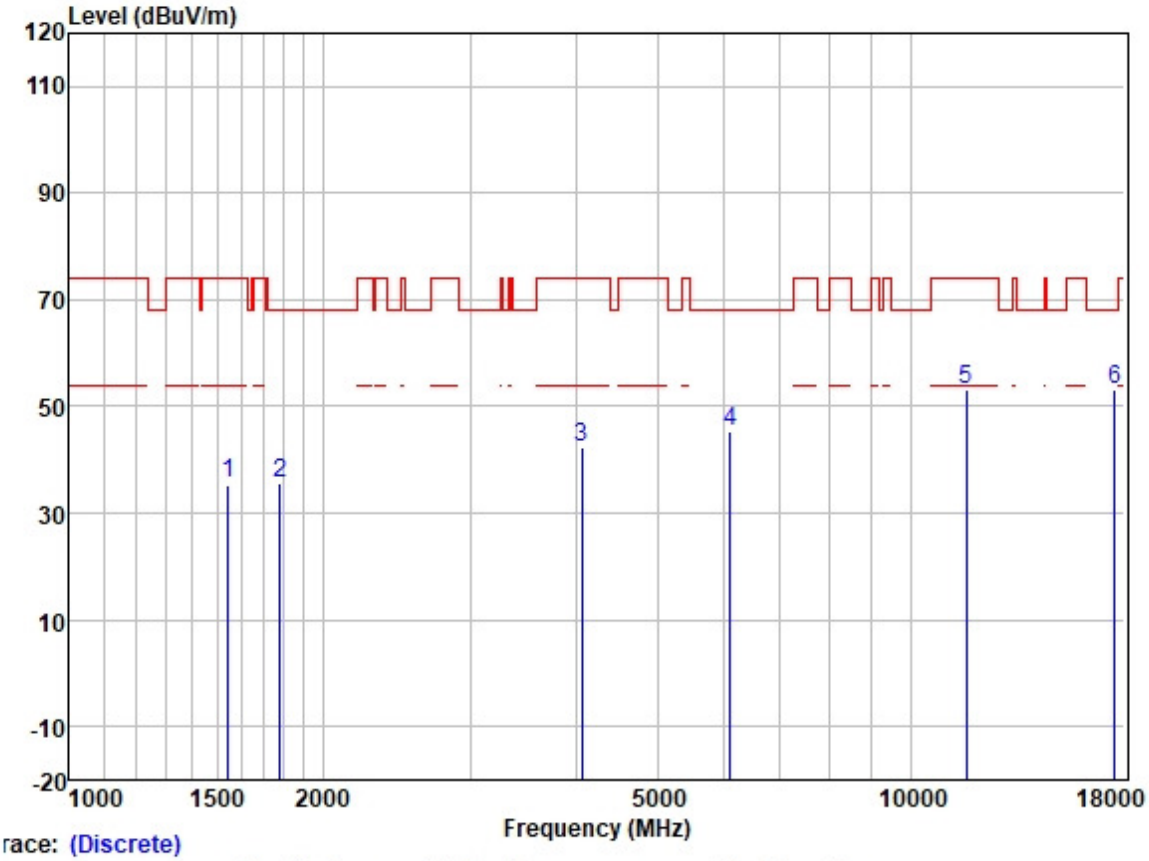
Test Mode: 28; Polarity: Horizontal; Modulation:OFDM; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1367.675	46.01	25.34	2.60	38.25	35.70	74.00	-38.30	HORIZONTAL	Peak
2	1748.196	44.15	25.84	2.89	37.85	35.03	68.20	-33.17	HORIZONTAL	Peak
3	4215.608	44.39	30.22	4.60	36.81	42.40	74.00	-31.60	HORIZONTAL	Peak
4	5562.346	43.99	31.86	6.33	36.89	45.29	68.20	-22.91	HORIZONTAL	Peak
5	11659.000	42.20	39.57	8.34	37.13	52.98	74.00	-21.02	HORIZONTAL	Peak
6	17488.500	33.87	43.90	10.77	35.32	53.22	68.20	-14.98	HORIZONTAL	Peak

Test Mode: 28; Polarity: Vertical; Modulation:OFDM; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1543.122	45.14	25.53	2.80	38.03	35.44	74.00	-38.56	VERTICAL	Peak
2	1778.814	44.70	25.91	2.96	37.83	35.74	68.20	-32.46	VERTICAL	Peak
3	4068.373	44.78	29.88	4.60	36.80	42.46	74.00	-31.54	VERTICAL	Peak
4	6109.920	43.29	32.66	6.14	36.92	45.17	68.20	-23.03	VERTICAL	Peak
5	11659.000	42.29	39.57	8.34	37.13	53.07	74.00	-20.93	VERTICAL	Peak
6	17488.500	33.78	43.90	10.77	35.32	53.13	68.20	-15.07	VERTICAL	Peak

7.9 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.209 & E 15.407(b)

Test Method: KDB 789033 D02 II G

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

*(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of –27 dBm/MHz.

(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of –27 dBm/MHz.

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of –27 dBm/MHz.

(4) For transmitters operating in the 5.725-5.85 GHz band:

(i) All emissions shall be limited to a level of –27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

7.9.1 E.U.T. Operation

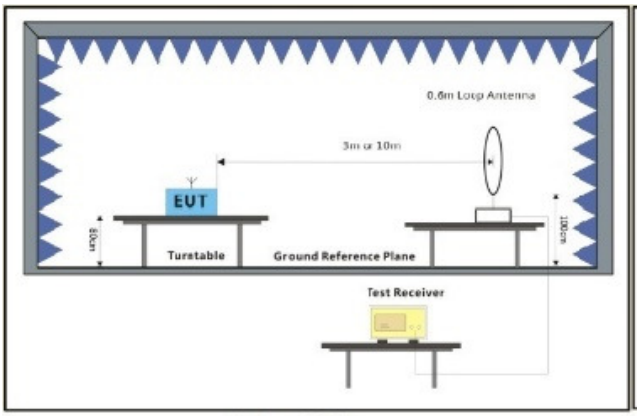
Operating Environment:

Temperature: 24.6 °C Humidity: 50.2 % RH Atmospheric Pressure: 1010 mbar

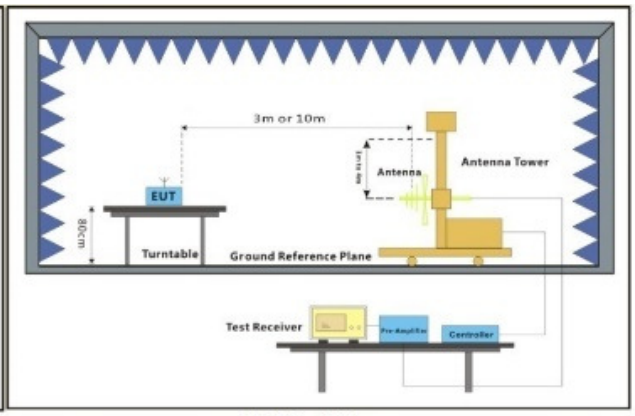
7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	22	TX mode(1.4MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	23	TX mode(1.4MHz,CA)_Keep the EUT in continuously transmitting mode with modulation
Final test	24	TX mode(3MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	25	TX mode(3MHz,CA)_Keep the EUT in continuously transmitting mode with modulation
Final test	26	TX mode(10MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	27	TX mode(20MHz)_Keep the EUT in continuously transmitting mode with modulation
Final test	28	TX mode(40MHz)_Keep the EUT in continuously transmitting mode with modulation
Pre-scan	29	Charge + TX mode(1.4MHz)_Keep the EUT in charging and continuously transmitting mode with modulation
Pre-scan	30	Charge + TX mode(1.4MHz,CA)_Keep the EUT in charging and continuously transmitting mode with modulation
Pre-scan	31	Charge + TX mode(3MHz)_Keep the EUT in charging and continuously transmitting mode with modulation
Pre-scan	32	Charge + TX mode(3MHz,CA)_Keep the EUT in charging and continuously transmitting mode with modulation
Pre-scan	33	Charge + TX mode(10MHz)_Keep the EUT in charging and continuously transmitting mode with modulation
Pre-scan	34	Charge + TX mode(20MHz)_Keep the EUT in charging and continuously transmitting mode with modulation
Pre-scan	35	Charge + TX mode(40MHz)_Keep the EUT in charging and continuously transmitting mode with modulation

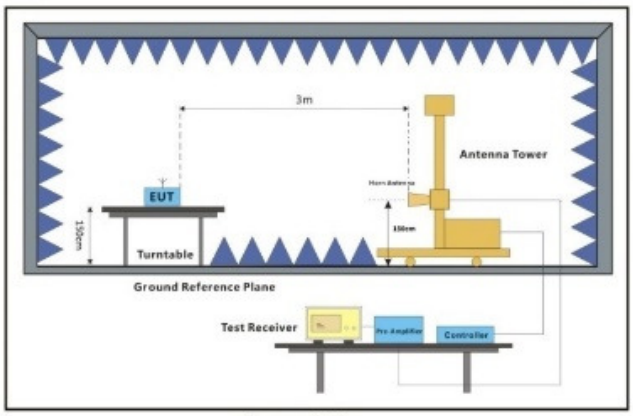
7.9.3 Test Setup Diagram



Below 30MHz



30MHz-1GHz



Above 1GHz

7.9.4 Measurement Procedure and Data

a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

h. Test the EUT in the lowest channel, the middle channel, the Highest channel.

i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

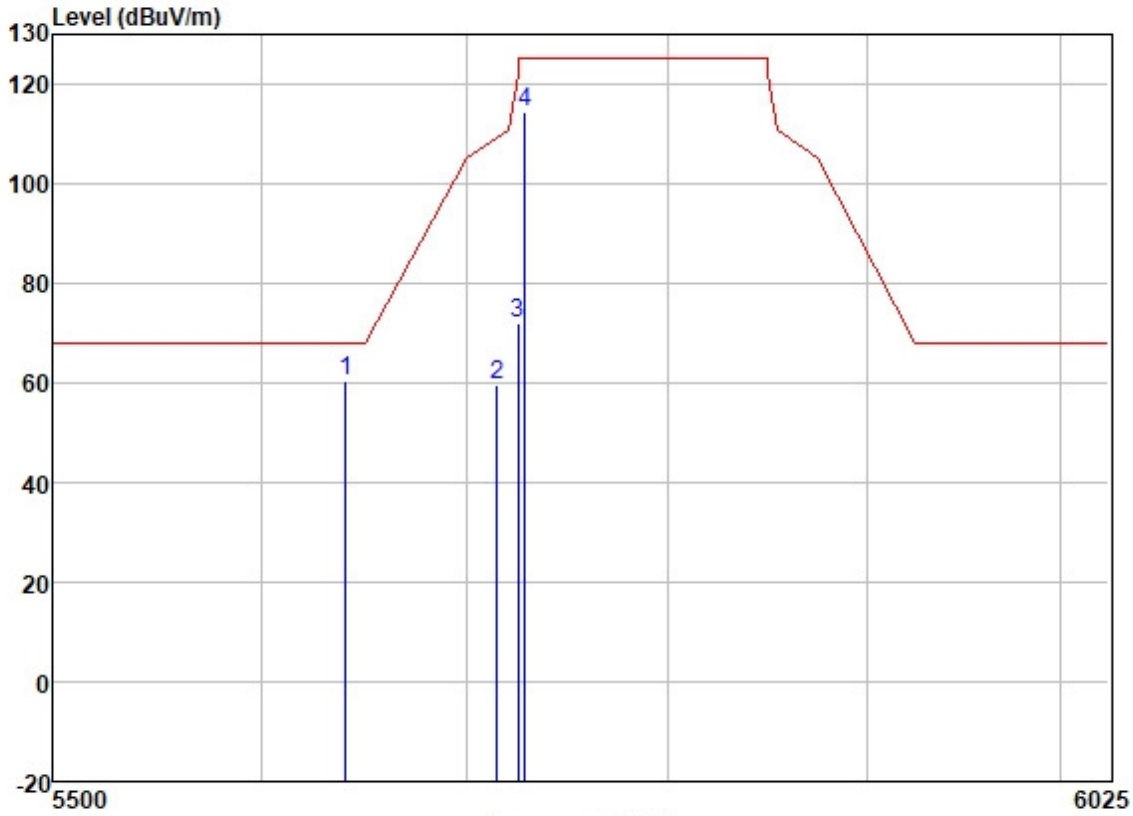
j. Repeat above procedures until all frequencies measured was complete.

Remark1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Remark2:

1. The disturbance below 30MHz and above 18GHz was very low, and the below harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
2. Pretest the EUT at antenna 1 and antenna 2 and MIMO mode find the worst case is MIMO mode.

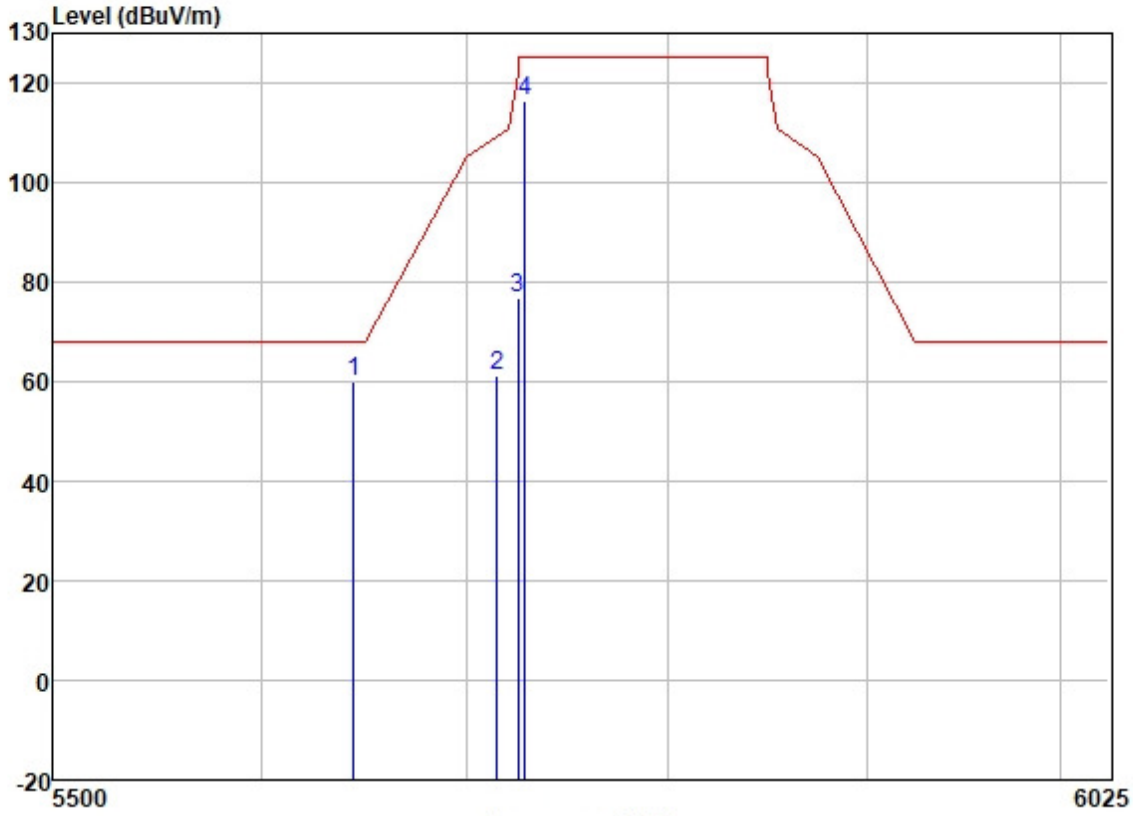
Test Mode: 22; Polarity: Horizontal; Modulation:OFDM; Channel:Low



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5640.691	59.11	31.95	6.35	36.89	60.52	68.20	-7.68	HORIZONTAL	Peak
2	5715.000	58.09	32.04	6.33	36.89	59.57	109.40	-49.83	HORIZONTAL	Peak
3	5725.000	70.50	32.07	6.25	36.89	71.93	122.20	-50.27	HORIZONTAL	Peak
4	5728.500	112.90	32.07	6.25	36.89	114.33	125.20	-10.87	HORIZONTAL	Peak

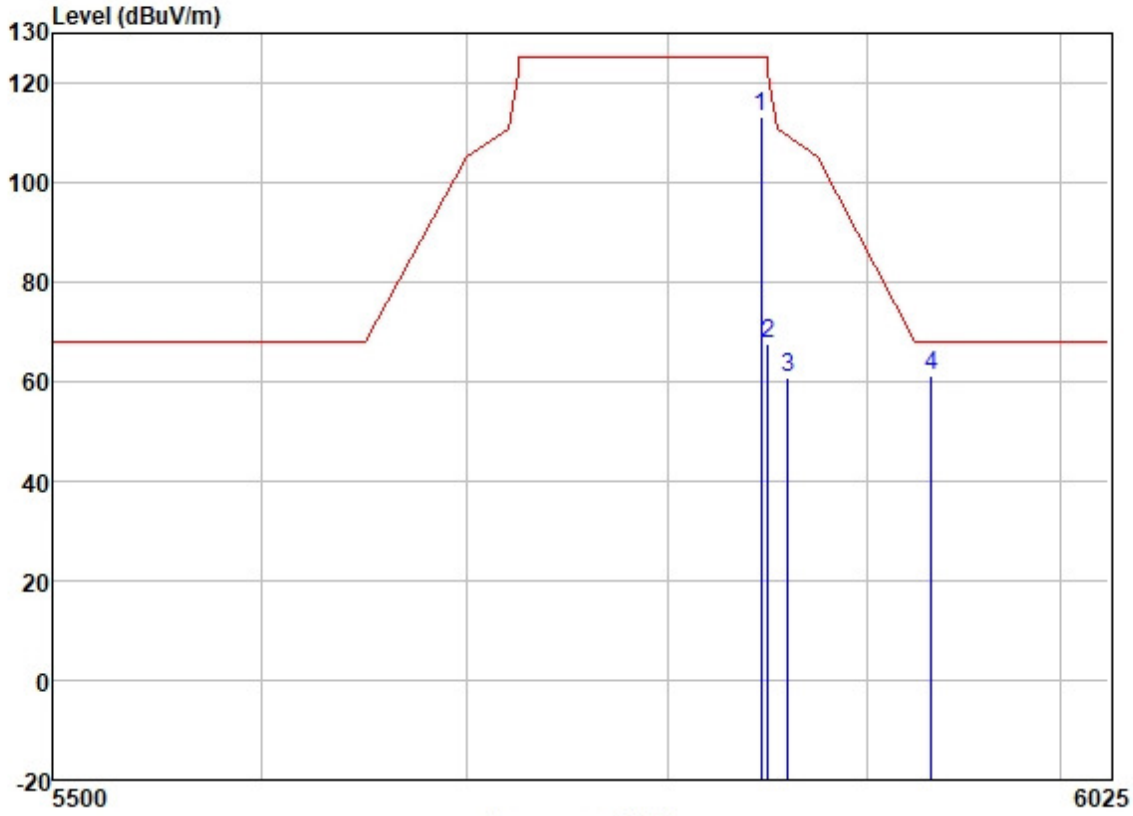
Test Mode: 22; Polarity: Vertical; Modulation:OFDM; Channel:Low



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5644.427	58.63	31.95	6.35	36.89	60.04	68.20	-8.16	VERTICAL	Peak
2	5715.000	59.89	32.04	6.33	36.89	61.37	109.40	-48.03	VERTICAL	Peak
3	5725.000	75.41	32.07	6.25	36.89	76.84	122.20	-45.36	VERTICAL	Peak
4	5728.500	114.93	32.07	6.25	36.89	116.36	125.20	-8.84	VERTICAL	Peak

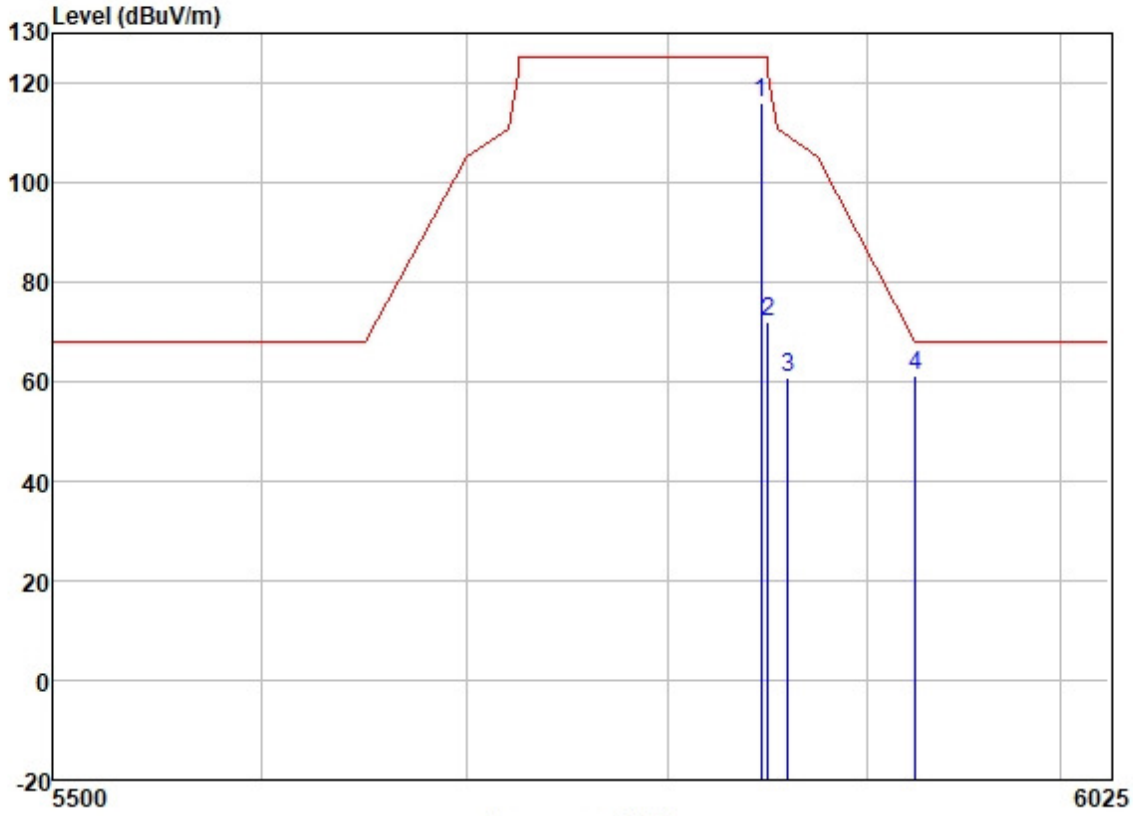
Test Mode: 22; Polarity: Horizontal; Modulation:OFDM; Channel:High



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5846.500	111.69	32.25	6.00	36.90	113.04	125.20	-12.16	HORIZONTAL	Peak
2	5850.000	66.36	32.25	6.00	36.90	67.71	122.20	-54.49	HORIZONTAL	Peak
3	5860.000	59.55	32.27	5.96	36.90	60.88	109.40	-48.52	HORIZONTAL	Peak
4	5933.120	59.66	32.34	6.00	36.90	61.10	68.20	-7.10	HORIZONTAL	Peak

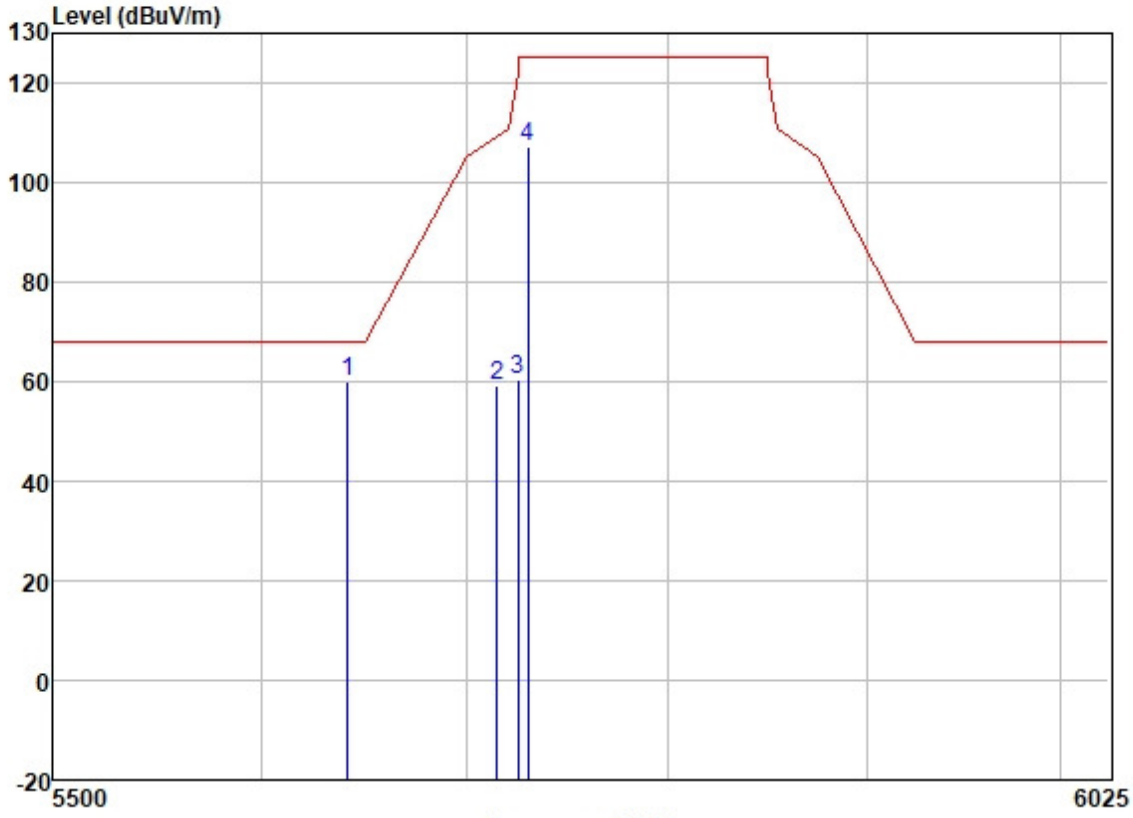
Test Mode: 22; Polarity: Vertical; Modulation:OFDM; Channel:High



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5846.500	114.85	32.25	6.00	36.90	116.20	125.20	-9.00	VERTICAL	Peak
2	5850.000	70.77	32.25	6.00	36.90	72.12	122.20	-50.08	VERTICAL	Peak
3	5860.000	59.49	32.27	5.96	36.90	60.82	109.40	-48.58	VERTICAL	Peak
4	5925.124	59.89	32.34	6.00	36.90	61.33	68.20	-6.87	VERTICAL	Peak

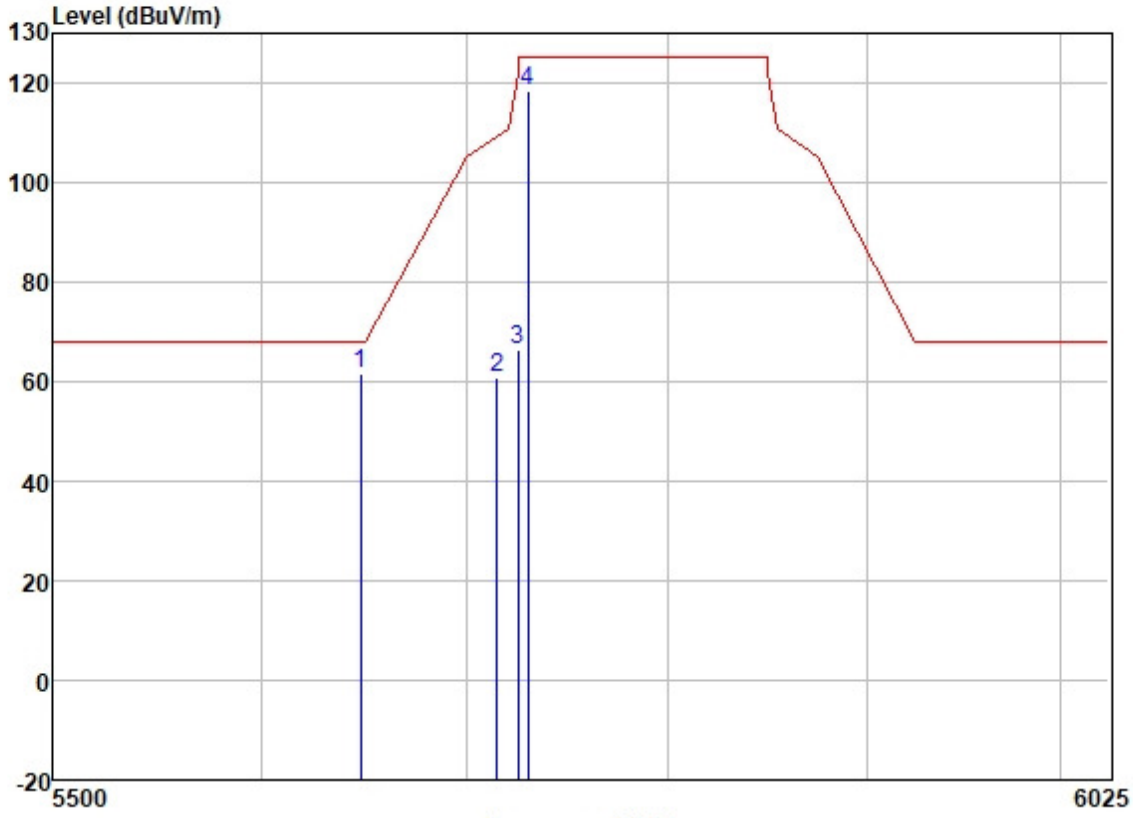
Test Mode: 23; Polarity: Horizontal; Modulation:OFDM; Channel:Low



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5641.798	58.40	31.95	6.35	36.89	59.81	68.20	-8.39	HORIZONTAL	Peak
2	5715.000	57.57	32.04	6.33	36.89	59.05	109.40	-50.35	HORIZONTAL	Peak
3	5725.000	58.99	32.07	6.25	36.89	60.42	122.20	-61.78	HORIZONTAL	Peak
4	5730.120	105.68	32.07	6.25	36.89	107.11	125.20	-18.09	HORIZONTAL	Peak

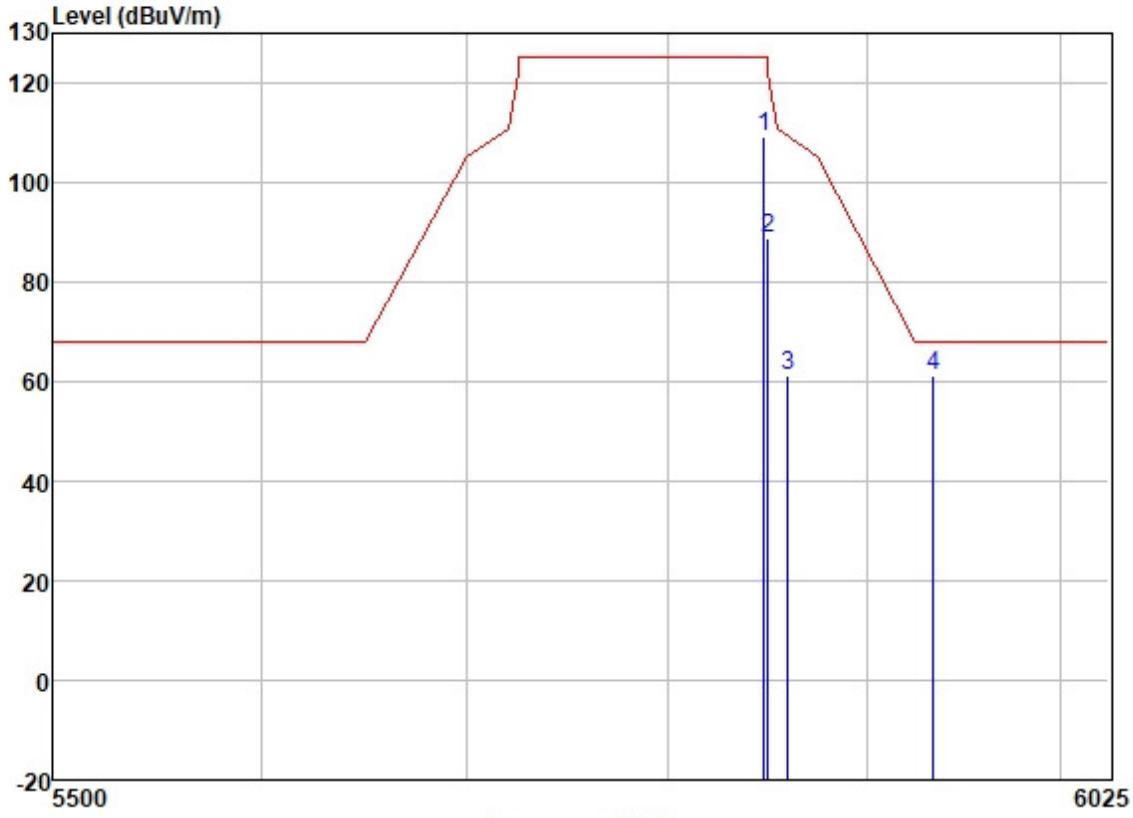
Test Mode: 23; Polarity: Vertical; Modulation:OFDM; Channel:Low



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5647.888	60.31	31.95	6.35	36.89	61.72	68.20	-6.48	VERTICAL	Peak
2	5715.000	59.42	32.04	6.33	36.89	60.90	109.40	-48.50	VERTICAL	Peak
3	5725.000	64.90	32.07	6.25	36.89	66.33	122.20	-55.87	VERTICAL	Peak
4	5730.120	116.94	32.07	6.25	36.89	118.37	125.20	-6.83	VERTICAL	Peak

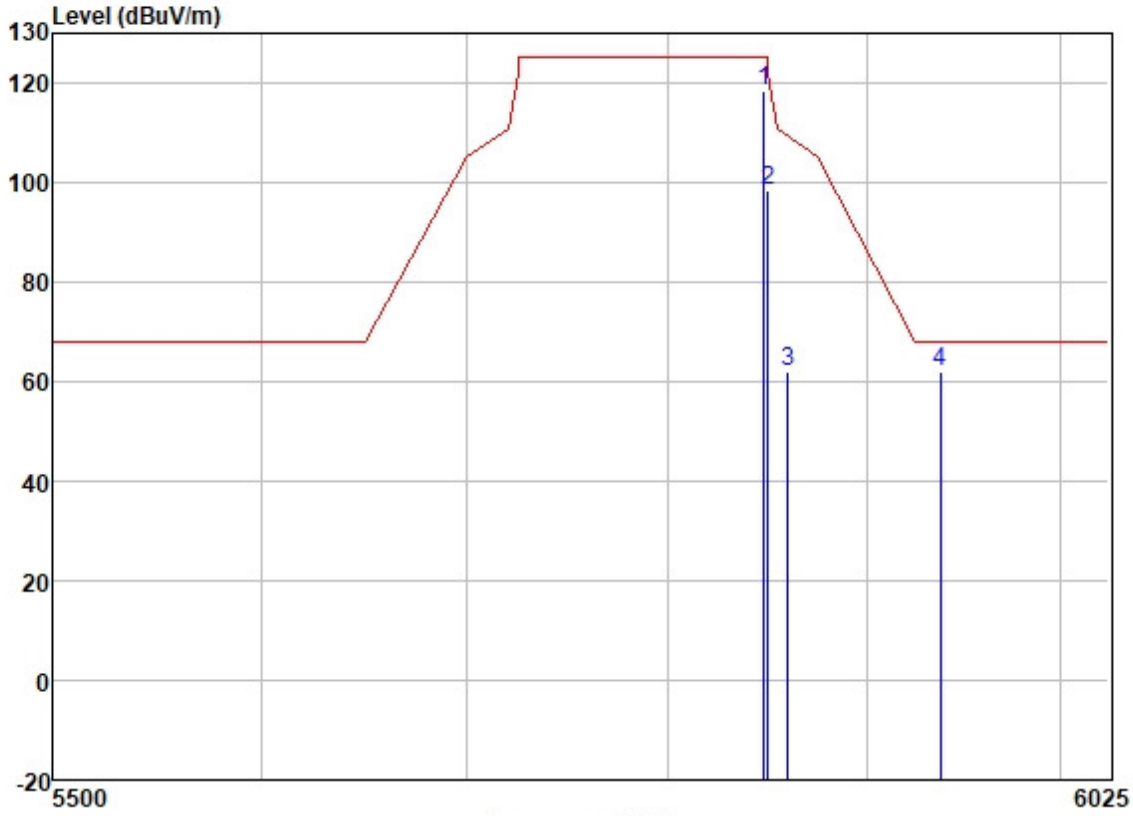
Test Mode: 23; Polarity: Horizontal; Modulation:OFDM; Channel:High



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5848.120	107.72	32.25	6.00	36.90	109.07	125.20	-16.13	HORIZONTAL	Peak
2	5850.000	87.53	32.25	6.00	36.90	88.88	122.20	-33.32	HORIZONTAL	Peak
3	5860.000	59.87	32.27	5.96	36.90	61.20	109.40	-48.20	HORIZONTAL	Peak
4	5934.121	59.91	32.34	6.00	36.90	61.35	68.20	-6.85	HORIZONTAL	Peak

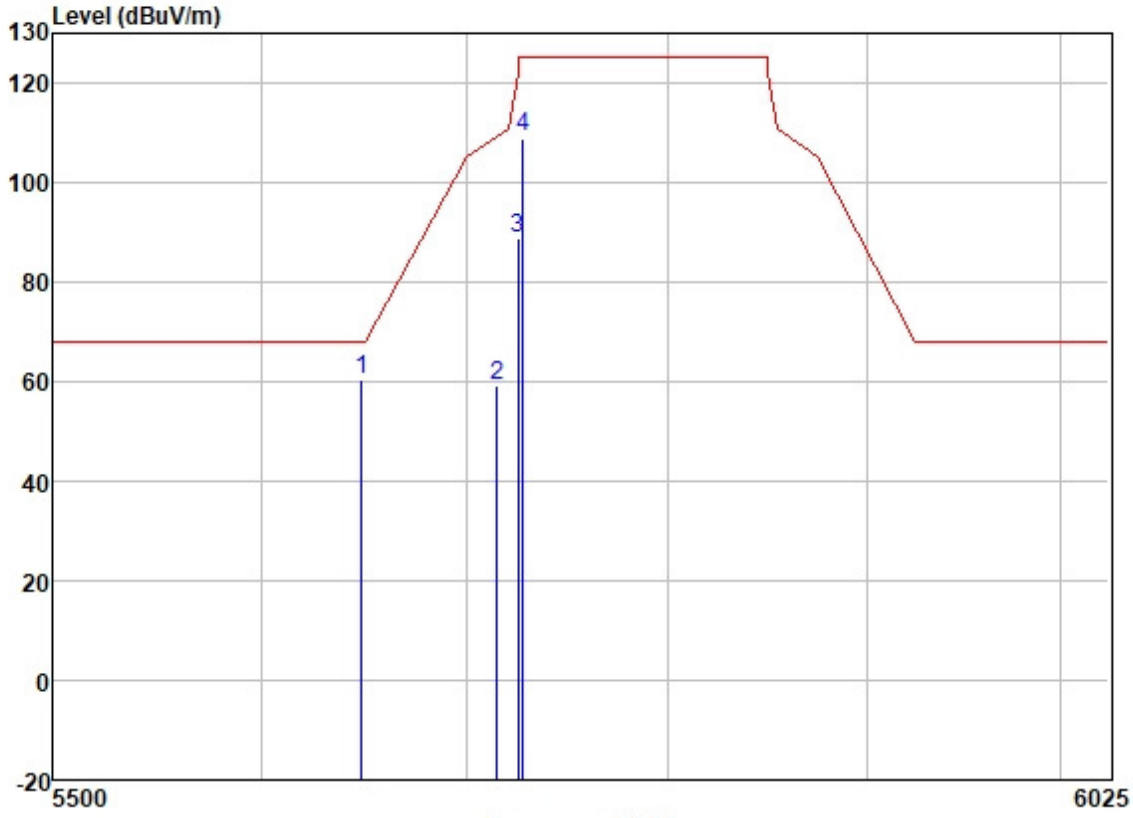
Test Mode: 23; Polarity: Vertical; Modulation:OFDM; Channel:High



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5848.120	116.86	32.25	6.00	36.90	118.21	125.20	-6.99	VERTICAL	Peak
2	5850.000	97.22	32.25	6.00	36.90	98.57	122.20	-23.63	VERTICAL	Peak
3	5860.000	60.77	32.27	5.96	36.90	62.10	109.40	-47.30	VERTICAL	Peak
4	5937.623	60.70	32.34	6.00	36.90	62.14	68.20	-6.06	VERTICAL	Peak

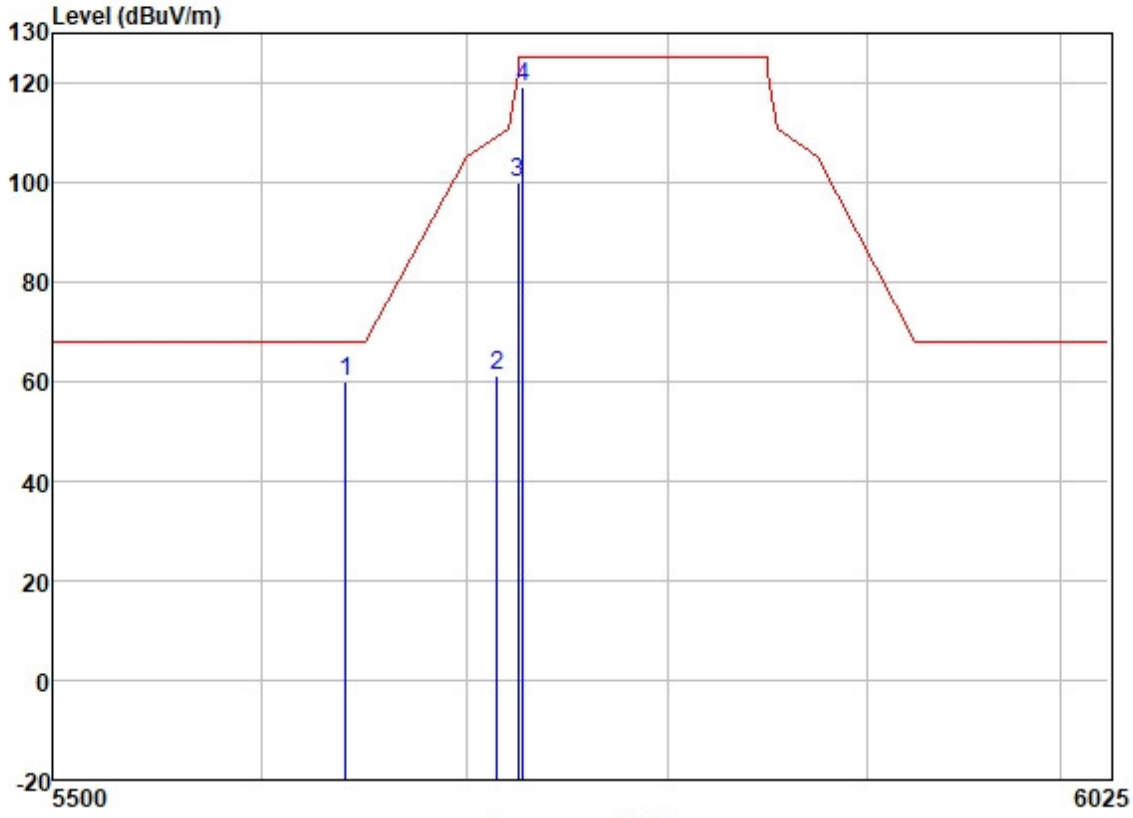
Test Mode: 24; Polarity: Horizontal; Modulation:OFDM; Channel:Low



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5648.581	58.99	31.95	6.35	36.89	60.40	68.20	-7.80	HORIZONTAL	Peak
2	5715.000	57.53	32.04	6.33	36.89	59.01	109.40	-50.39	HORIZONTAL	Peak
3	5725.000	87.45	32.07	6.25	36.89	88.88	122.20	-33.32	HORIZONTAL	Peak
4	5727.500	107.57	32.07	6.25	36.89	109.00	125.20	-16.20	HORIZONTAL	Peak

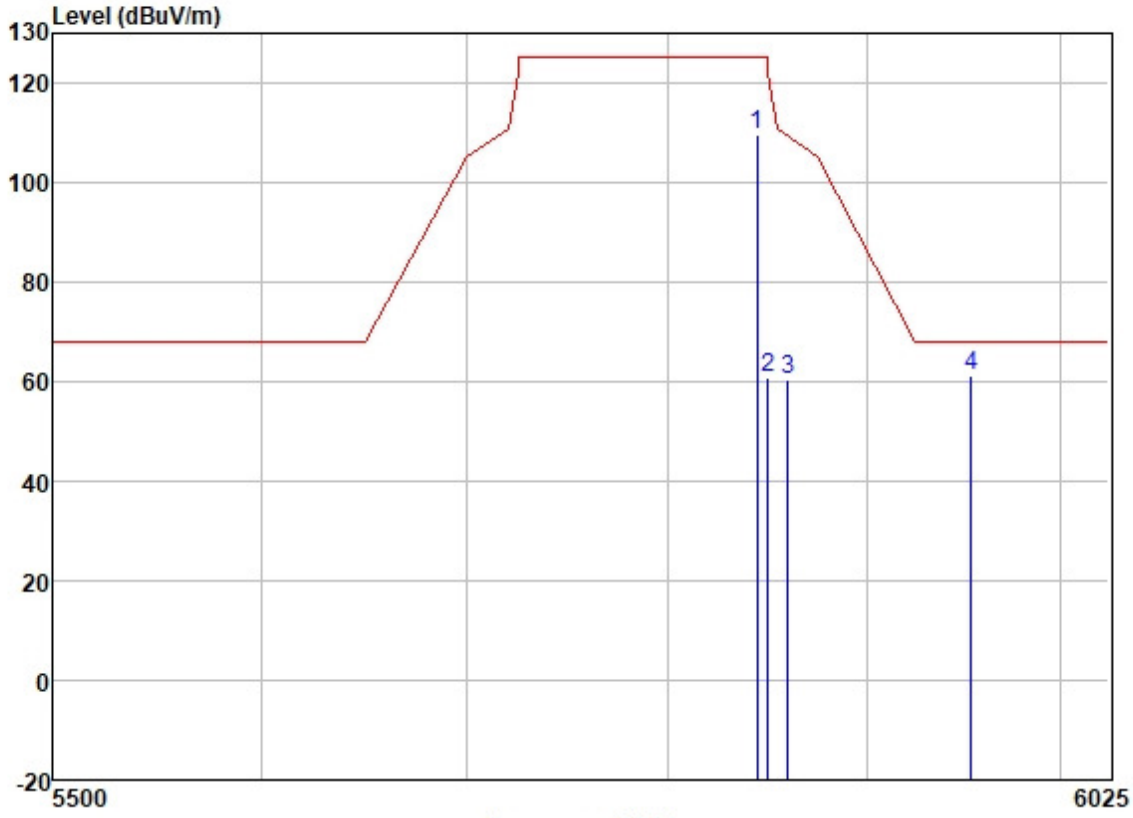
Test Mode: 24; Polarity: Vertical; Modulation:OFDM; Channel:Low



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5640.415	58.73	31.95	6.35	36.89	60.14	68.20	-8.06	VERTICAL	Peak
2	5715.000	59.88	32.04	6.33	36.89	61.36	109.40	-48.04	VERTICAL	Peak
3	5725.000	98.54	32.07	6.25	36.89	99.97	122.20	-22.23	VERTICAL	Peak
4	5727.500	117.65	32.07	6.25	36.89	119.08	125.20	-6.12	VERTICAL	Peak

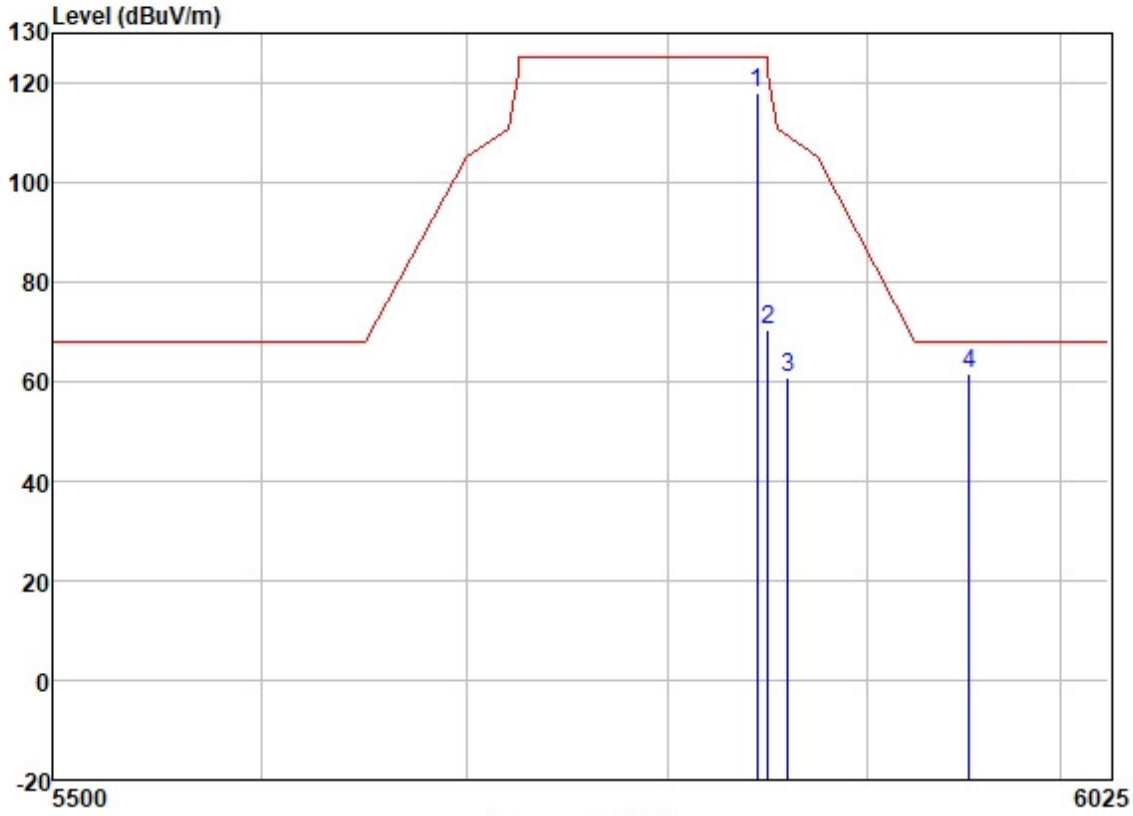
Test Mode: 24; Polarity: Horizontal; Modulation:OFDM; Channel:High



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5844.500	108.15	32.25	6.00	36.90	109.50	125.20	-15.70	HORIZONTAL	Peak
2	5850.000	59.26	32.25	6.00	36.90	60.61	122.20	-61.59	HORIZONTAL	Peak
3	5860.000	59.26	32.27	5.96	36.90	60.59	109.40	-48.81	HORIZONTAL	Peak
4	5953.829	59.78	32.36	6.05	36.90	61.29	68.20	-6.91	HORIZONTAL	Peak

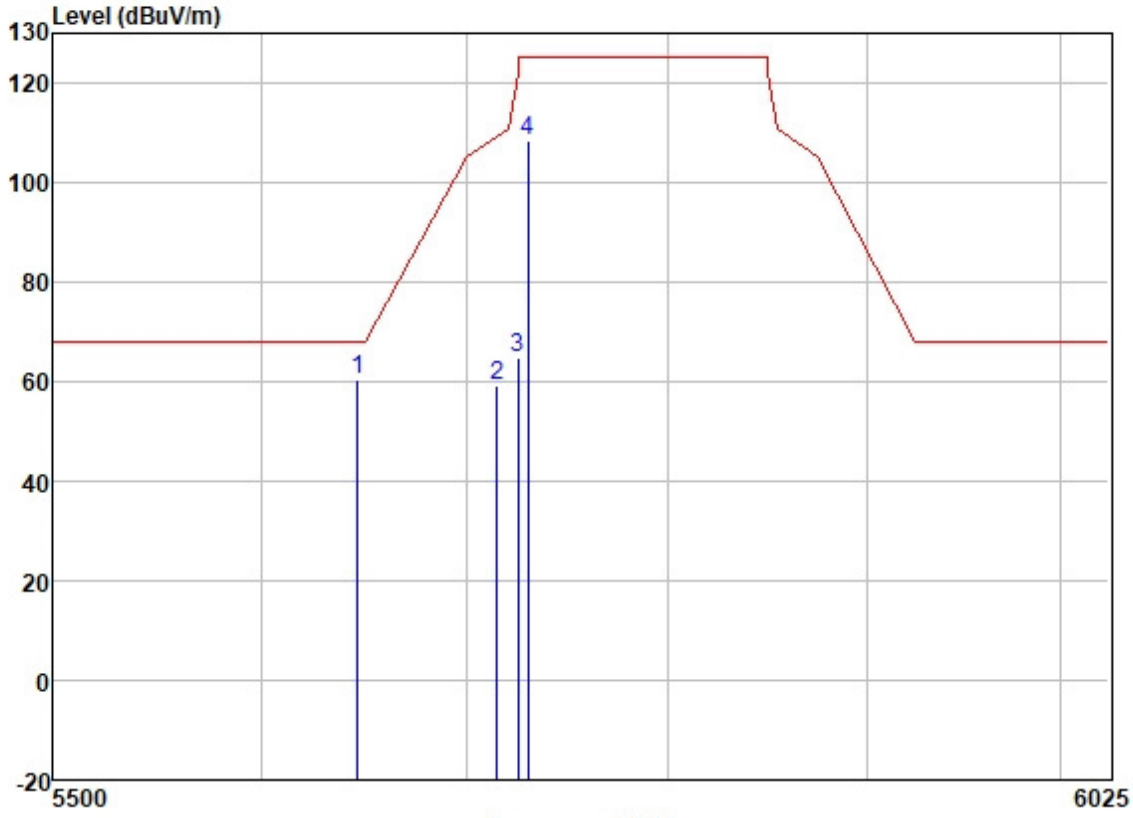
Test Mode: 24; Polarity: Vertical; Modulation:OFDM; Channel:High



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5844.500	116.49	32.25	6.00	36.90	117.84	125.20	-7.36	VERTICAL	Peak
2	5850.000	69.01	32.25	6.00	36.90	70.36	122.20	-51.84	VERTICAL	Peak
3	5860.000	59.50	32.27	5.96	36.90	60.83	109.40	-48.57	VERTICAL	Peak
4	5952.825	59.90	32.36	6.05	36.90	61.41	68.20	-6.79	VERTICAL	Peak

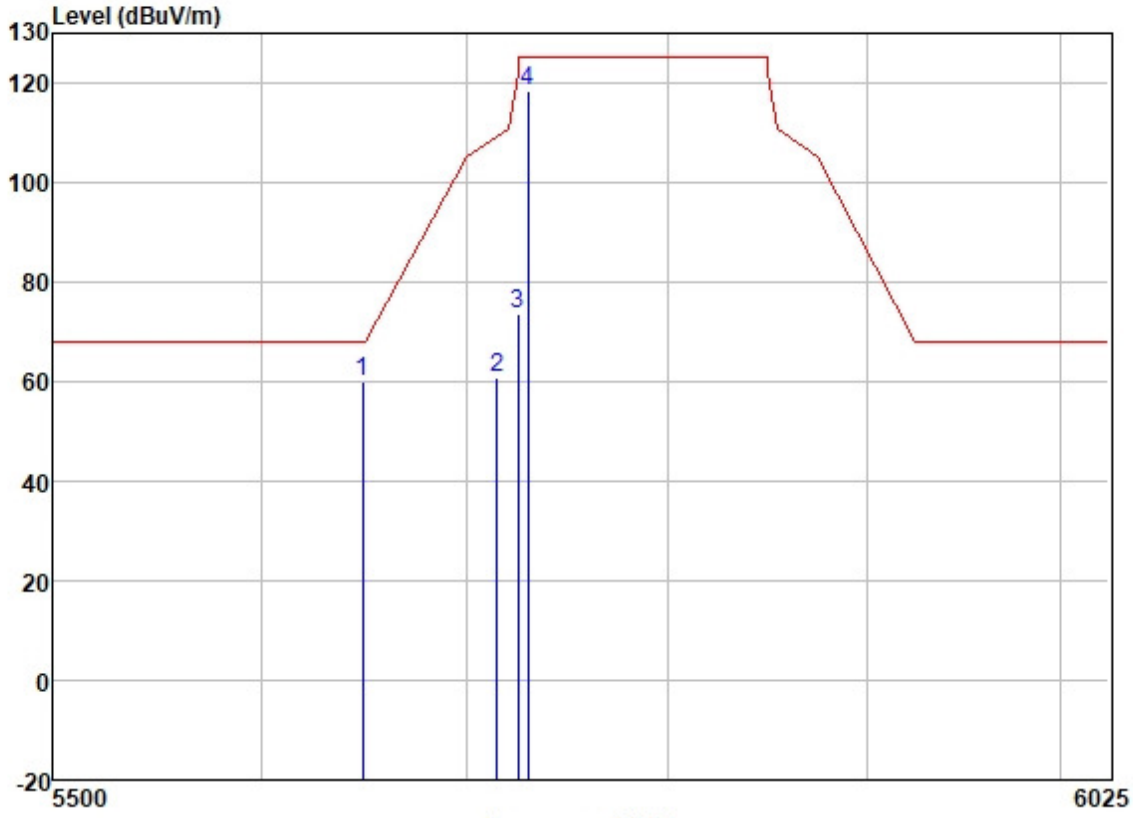
Test Mode: 25; Polarity: Horizontal; Modulation:OFDM; Channel:Low



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5646.365	59.02	31.95	6.35	36.89	60.43	68.20	-7.77	HORIZONTAL	Peak
2	5715.000	57.66	32.04	6.33	36.89	59.14	109.40	-50.26	HORIZONTAL	Peak
3	5725.000	63.19	32.07	6.25	36.89	64.62	122.20	-57.58	HORIZONTAL	Peak
4	5730.200	107.12	32.07	6.25	36.89	108.55	125.20	-16.65	HORIZONTAL	Peak

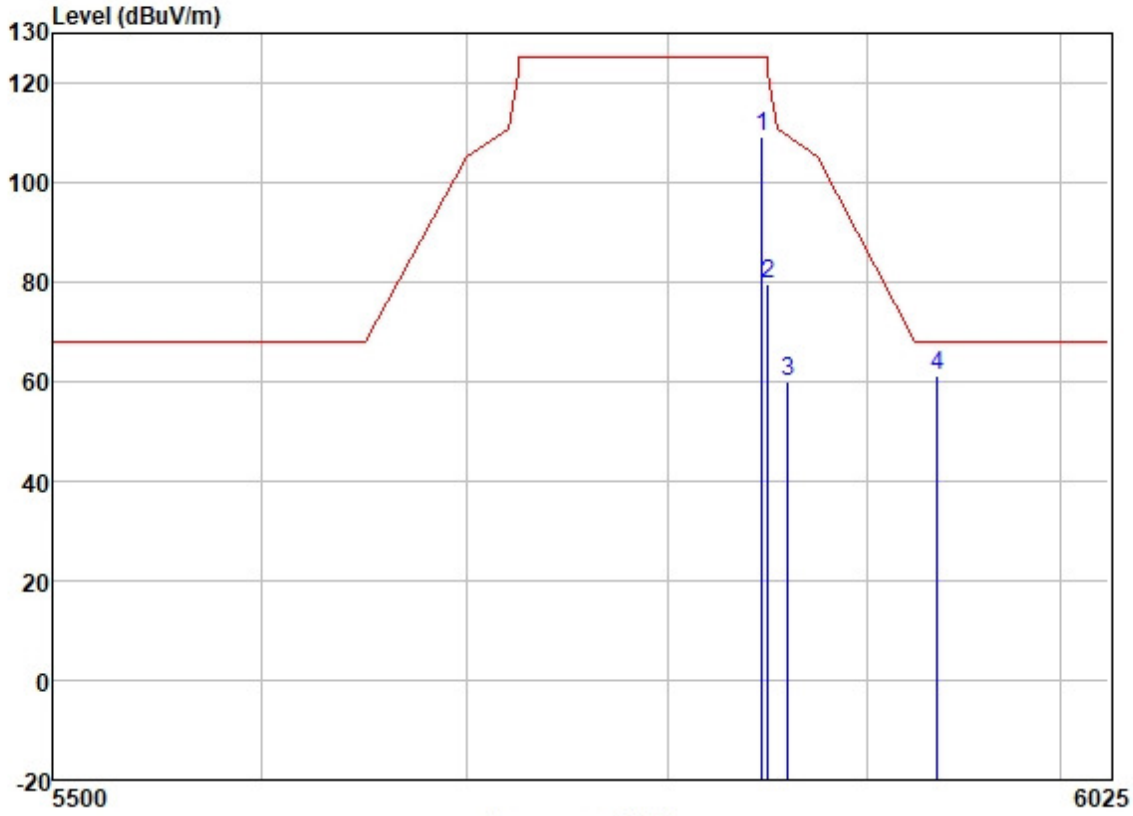
Test Mode: 25; Polarity: Vertical; Modulation:OFDM; Channel:Low



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5648.857	58.64	31.95	6.35	36.89	60.05	68.20	-8.15	VERTICAL	Peak
2	5715.000	59.43	32.04	6.33	36.89	60.91	109.40	-48.49	VERTICAL	Peak
3	5725.000	72.00	32.07	6.25	36.89	73.43	122.20	-48.77	VERTICAL	Peak
4	5730.200	116.95	32.07	6.25	36.89	118.38	125.20	-6.82	VERTICAL	Peak

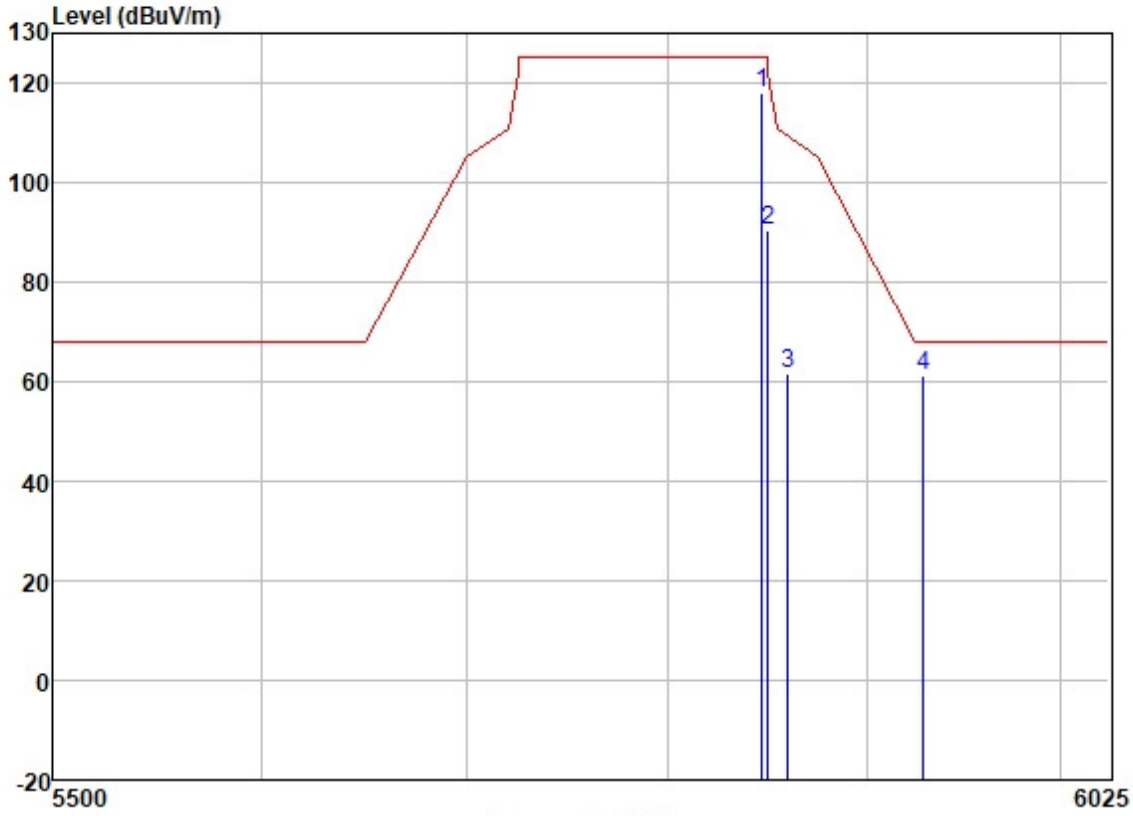
Test Mode: 25; Polarity: Horizontal; Modulation:OFDM; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5847.200	107.99	32.25	6.00	36.90	109.34	125.20	-15.86	HORIZONTAL	Peak
2	5850.000	78.20	32.25	6.00	36.90	79.55	122.20	-42.65	HORIZONTAL	Peak
3	5860.000	58.59	32.27	5.96	36.90	59.92	109.40	-49.48	HORIZONTAL	Peak
4	5936.122	59.83	32.34	6.00	36.90	61.27	68.20	-6.93	HORIZONTAL	Peak

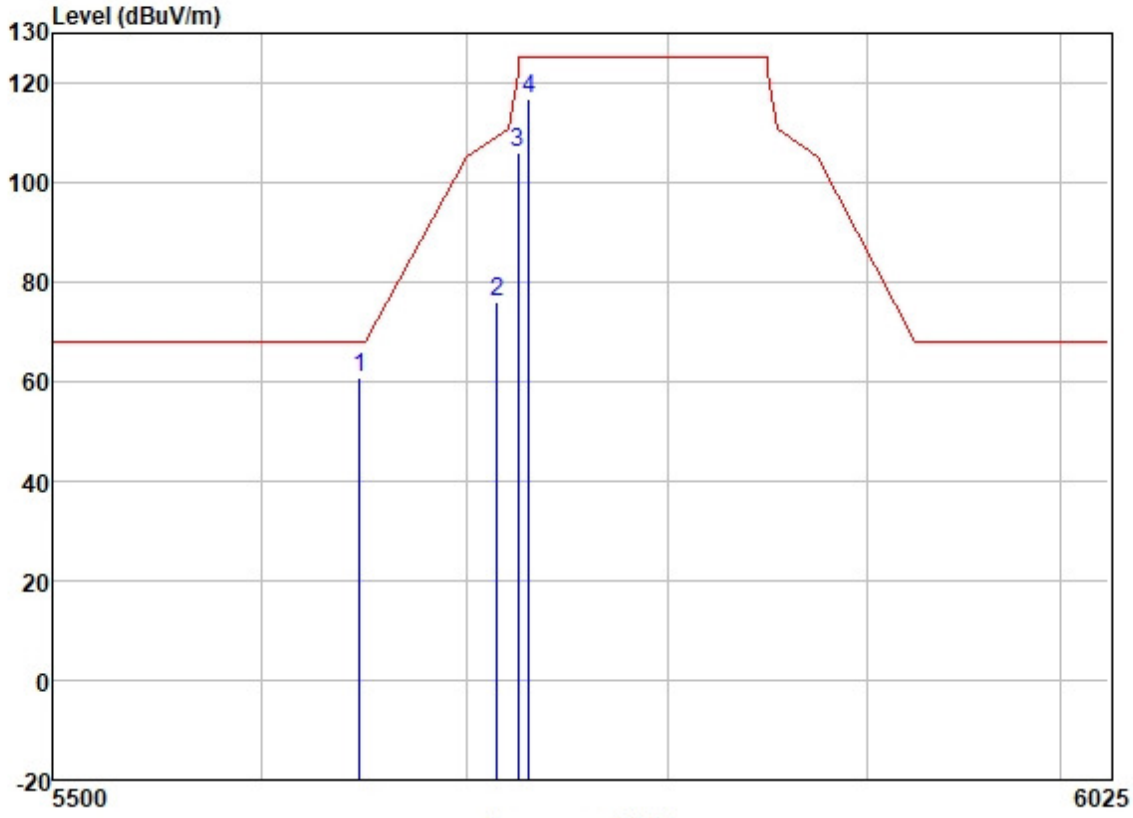
Test Mode: 25; Polarity: Vertical; Modulation:OFDM; Channel:High



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5847.200	116.70	32.25	6.00	36.90	118.05	125.20	-7.15	VERTICAL	Peak
2	5850.000	89.20	32.25	6.00	36.90	90.55	122.20	-31.65	VERTICAL	Peak
3	5860.000	60.16	32.27	5.96	36.90	61.49	109.40	-47.91	VERTICAL	Peak
4	5928.954	59.59	32.34	6.00	36.90	61.03	68.20	-7.17	VERTICAL	Peak

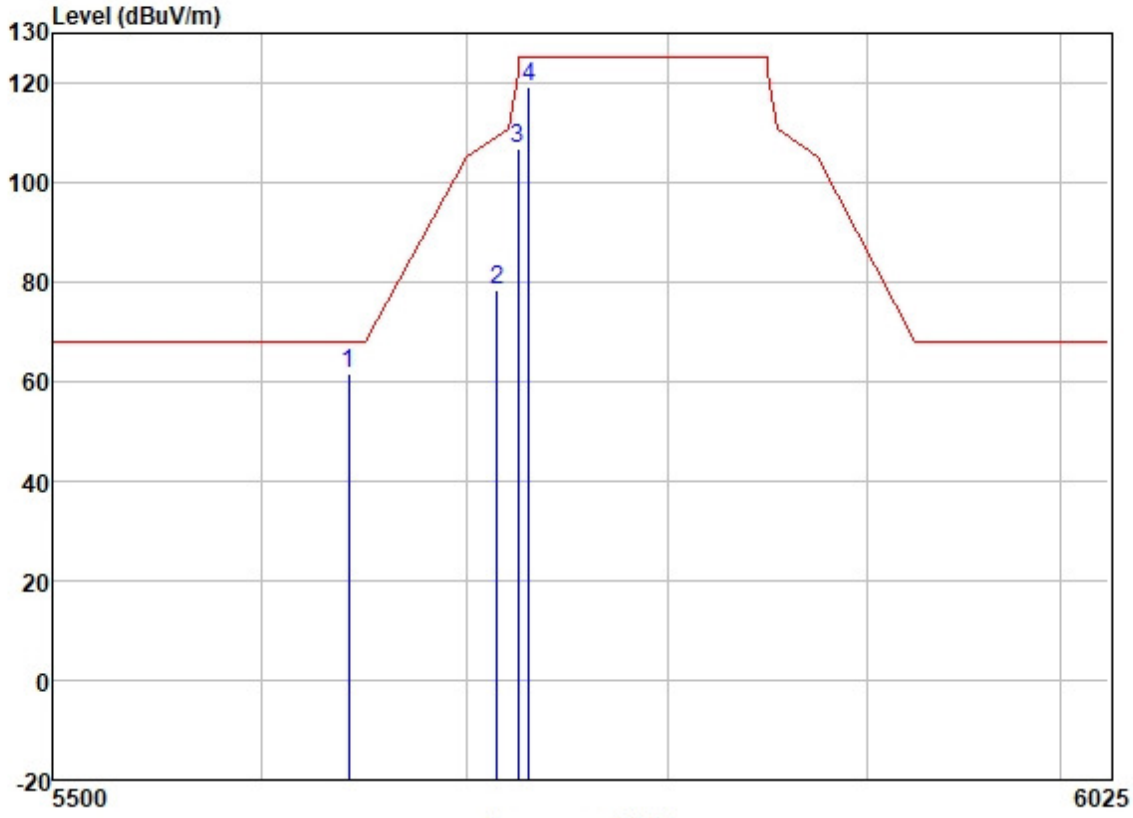
Test Mode: 26; Polarity: Horizontal; Modulation:OFDM; Channel:Low



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5647.196	59.54	31.95	6.35	36.89	60.95	68.20	-7.25	HORIZONTAL	Peak
2	5715.000	74.41	32.04	6.33	36.89	75.89	109.40	-33.51	HORIZONTAL	Peak
3	5725.000	104.37	32.07	6.25	36.89	105.80	122.20	-16.40	HORIZONTAL	Peak
4	5730.500	115.43	32.07	6.25	36.89	116.86	125.20	-8.34	HORIZONTAL	Peak

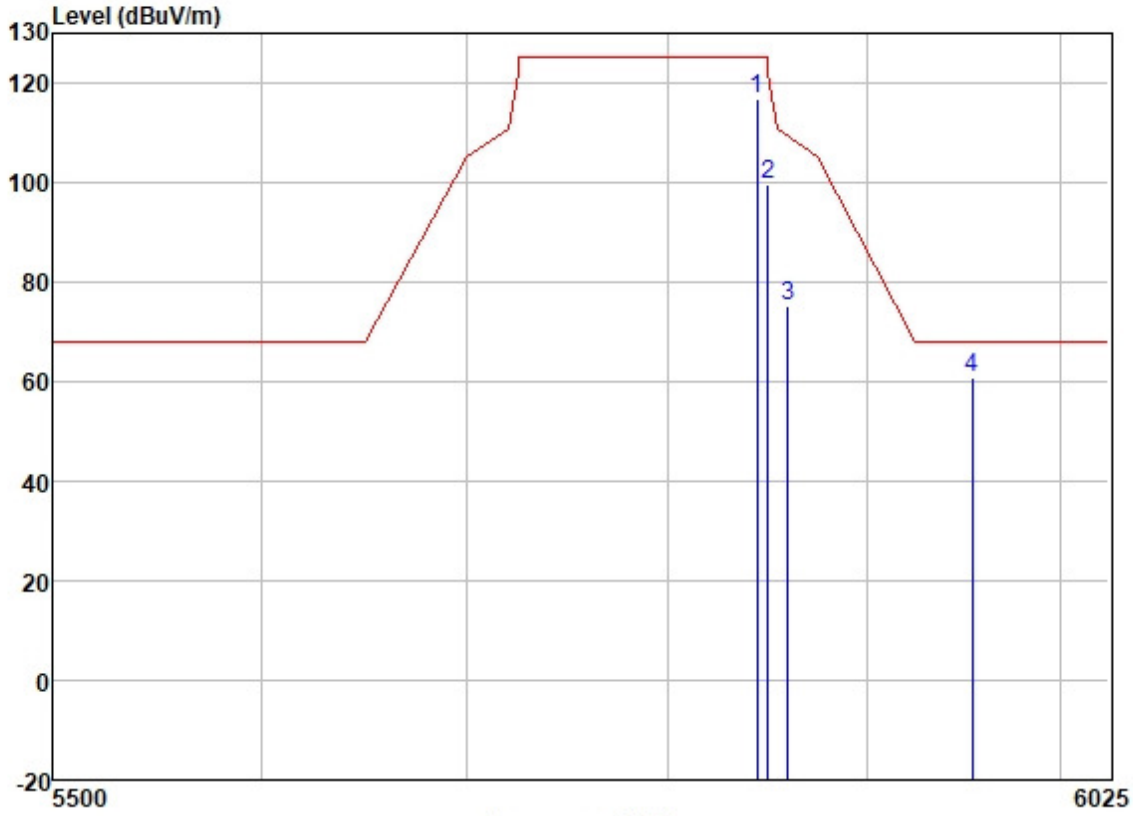
Test Mode: 26; Polarity: Vertical; Modulation:OFDM; Channel:Low



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5642.075	60.04	31.95	6.35	36.89	61.45	68.20	-6.75	VERTICAL	Peak
2	5715.000	76.82	32.04	6.33	36.89	78.30	109.40	-31.10	VERTICAL	Peak
3	5725.000	105.26	32.07	6.25	36.89	106.69	122.20	-15.51	VERTICAL	Peak
4	5730.500	117.89	32.07	6.25	36.89	119.32	125.20	-5.88	VERTICAL	Peak

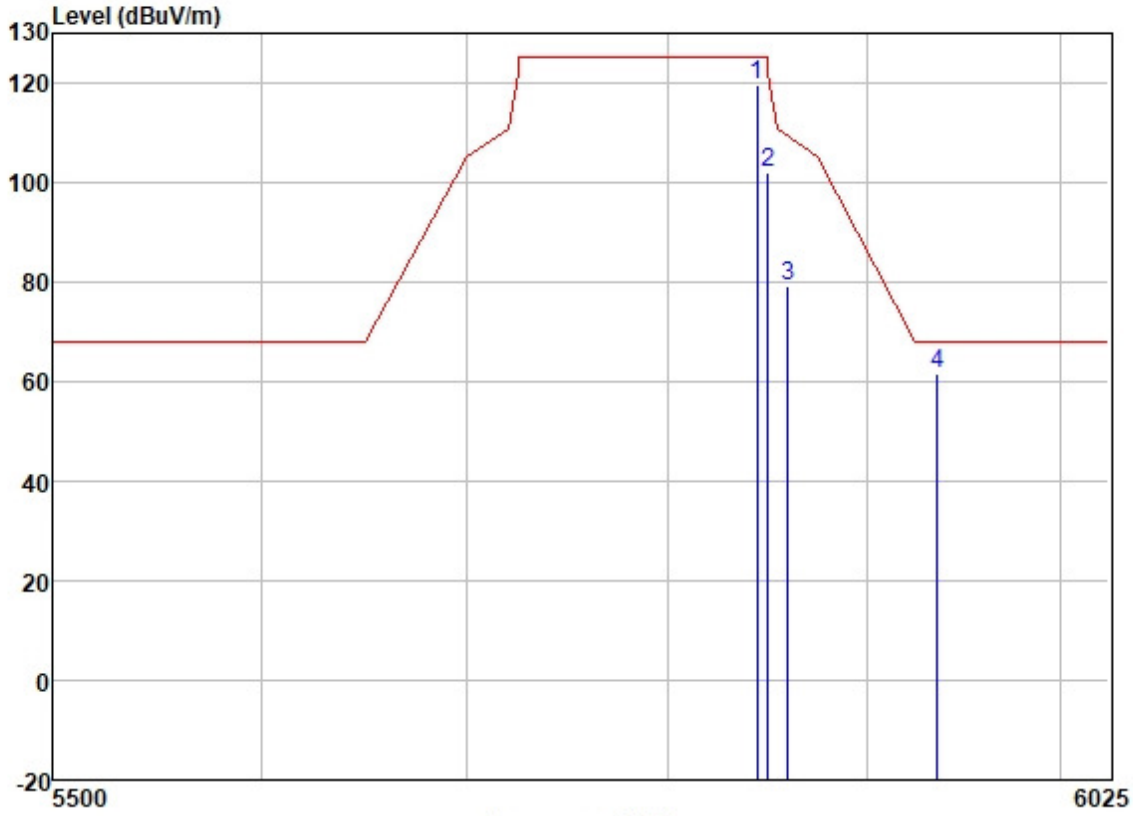
Test Mode: 26; Polarity: Horizontal; Modulation:OFDM; Channel:High



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5844.500	115.46	32.25	6.00	36.90	116.81	125.20	-8.39	HORIZONTAL	Peak
2	5850.000	98.18	32.25	6.00	36.90	99.53	122.20	-22.67	HORIZONTAL	Peak
3	5860.000	73.96	32.27	5.96	36.90	75.29	109.40	-34.11	HORIZONTAL	Peak
4	5953.996	59.34	32.36	6.05	36.90	60.85	68.20	-7.35	HORIZONTAL	Peak

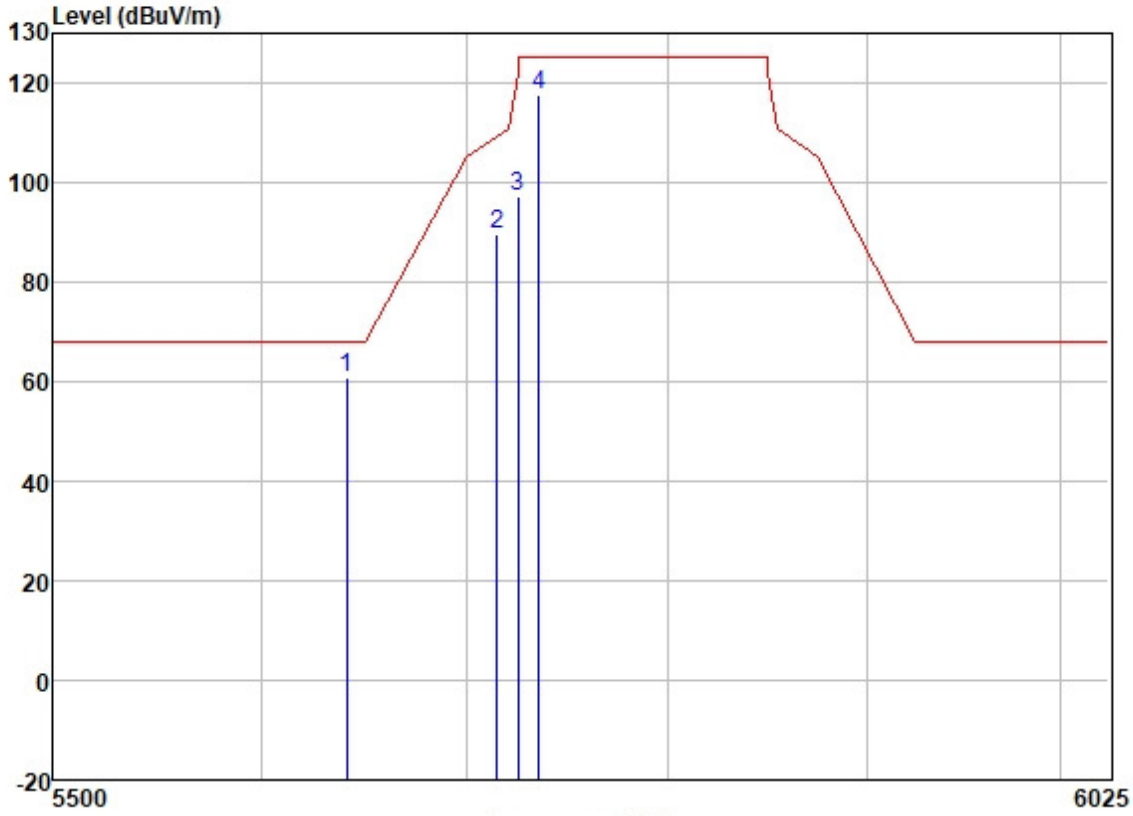
Test Mode: 26; Polarity: Vertical; Modulation:OFDM; Channel:High



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5844.500	118.10	32.25	6.00	36.90	119.45	125.20	-5.75	VERTICAL	Peak
2	5850.000	100.53	32.25	6.00	36.90	101.88	122.20	-20.32	VERTICAL	Peak
3	5860.000	77.97	32.27	5.96	36.90	79.30	109.40	-30.10	VERTICAL	Peak
4	5936.122	60.33	32.34	6.00	36.90	61.77	68.20	-6.43	VERTICAL	Peak

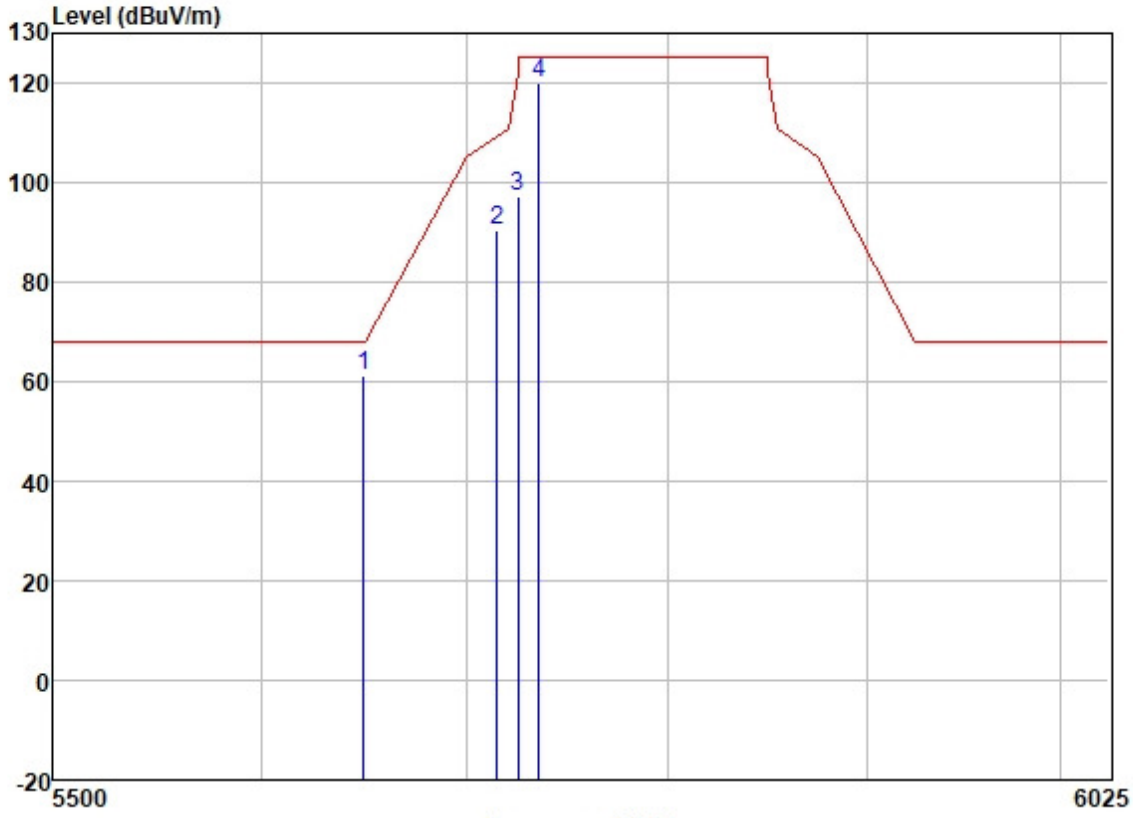
Test Mode: 27; Polarity: Horizontal; Modulation:OFDM; Channel:Low



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5641.106	59.50	31.95	6.35	36.89	60.91	68.20	-7.29	HORIZONTAL	Peak
2	5715.000	88.07	32.04	6.33	36.89	89.55	109.40	-19.85	HORIZONTAL	Peak
3	5725.000	95.60	32.07	6.25	36.89	97.03	122.20	-25.17	HORIZONTAL	Peak
4	5735.500	116.01	32.07	6.25	36.89	117.44	125.20	-7.76	HORIZONTAL	Peak

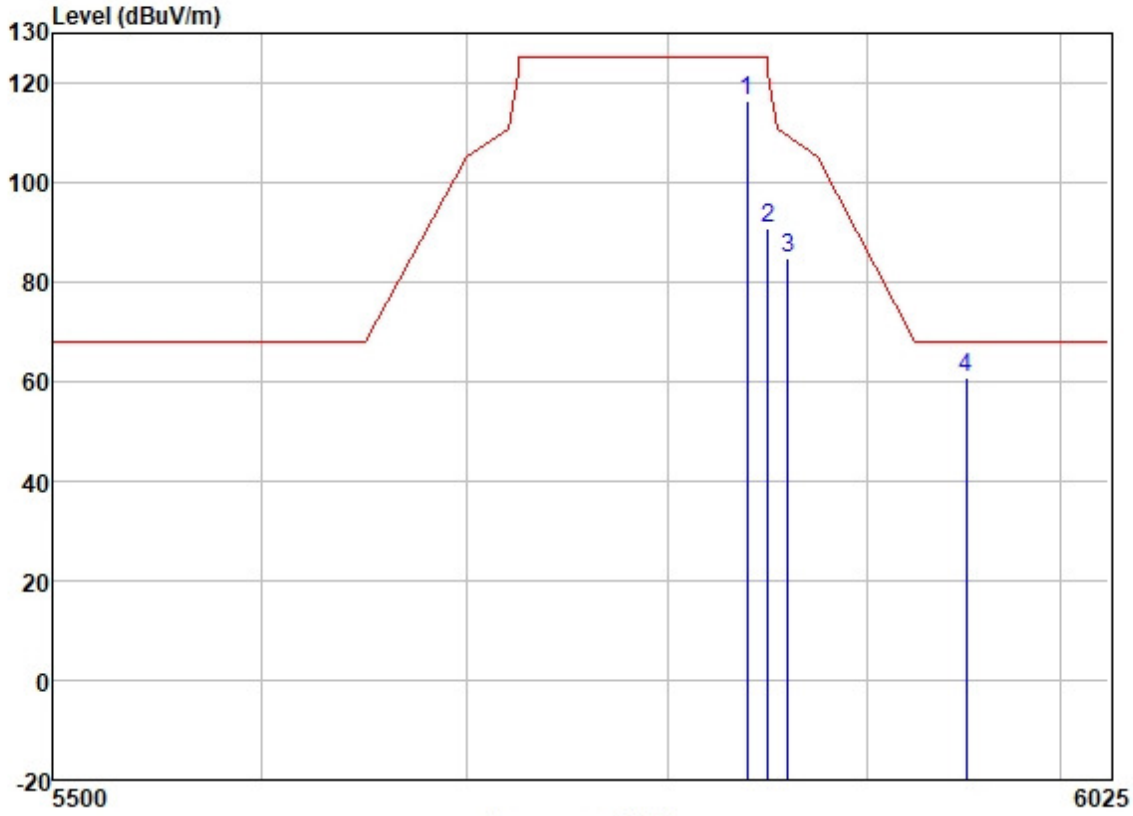
Test Mode: 27; Polarity: Vertical; Modulation:OFDM; Channel:Low



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5649.550	59.87	31.95	6.35	36.89	61.28	68.20	-6.92	VERTICAL	Peak
2	5715.000	89.07	32.04	6.33	36.89	90.55	109.40	-18.85	VERTICAL	Peak
3	5725.000	95.66	32.07	6.25	36.89	97.09	122.20	-25.11	VERTICAL	Peak
4	5735.500	118.39	32.07	6.25	36.89	119.82	125.20	-5.38	VERTICAL	Peak

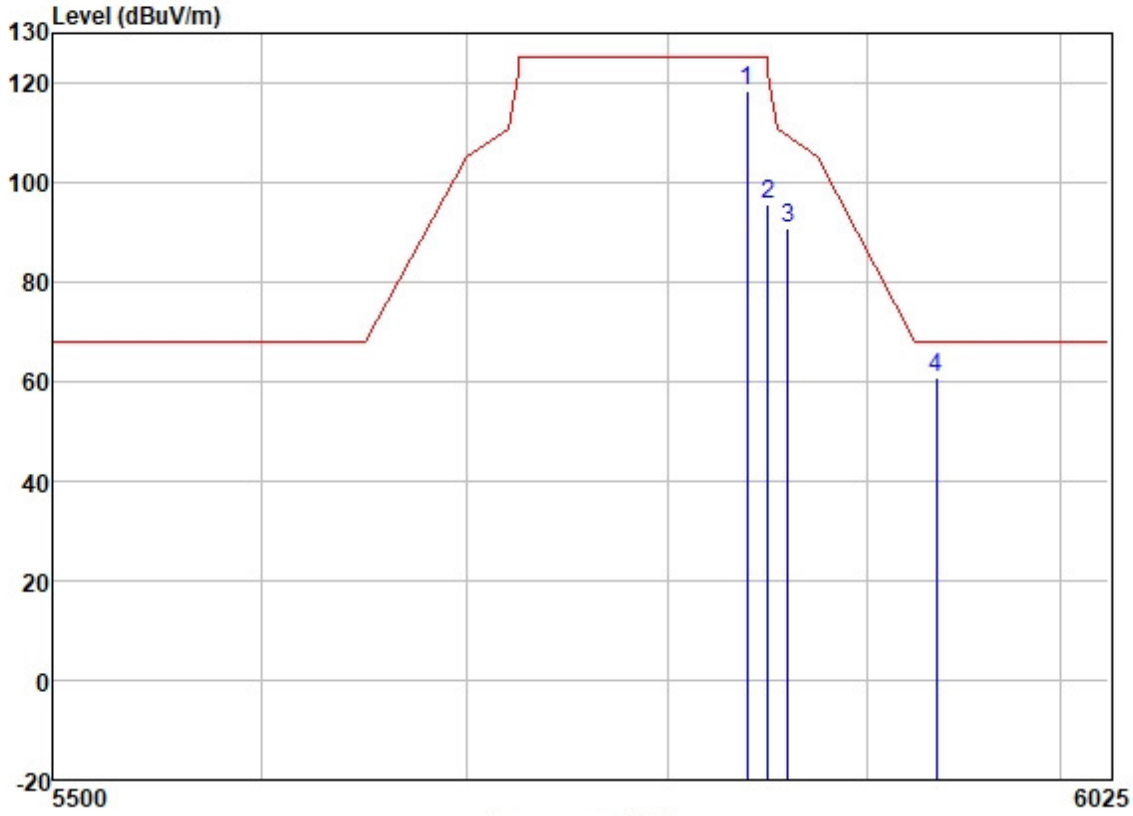
Test Mode: 27; Polarity: Horizontal; Modulation:OFDM; Channel:High



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5839.500	115.18	32.25	6.00	36.90	116.53	125.20	-8.67	HORIZONTAL	Peak
2	5850.000	89.54	32.25	6.00	36.90	90.89	122.20	-31.31	HORIZONTAL	Peak
3	5860.000	83.37	32.27	5.96	36.90	84.70	109.40	-24.70	HORIZONTAL	Peak
4	5951.320	59.24	32.36	6.05	36.90	60.75	68.20	-7.45	HORIZONTAL	Peak

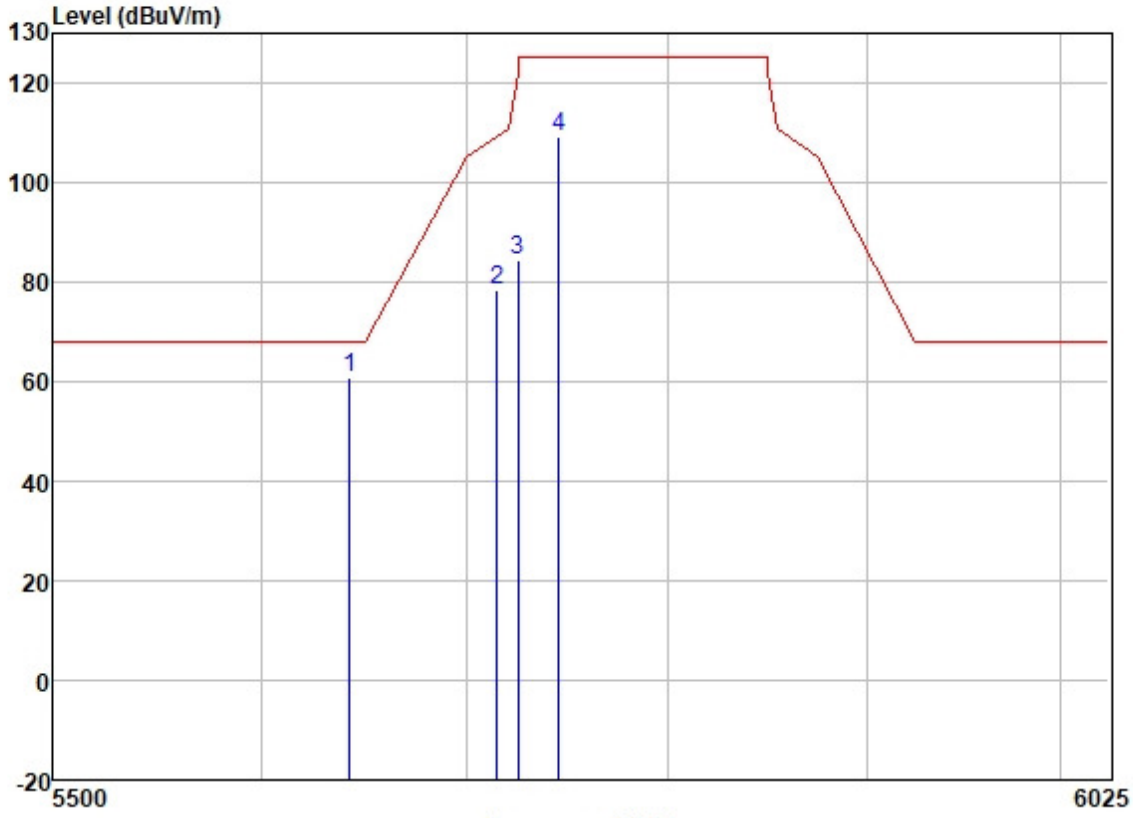
Test Mode: 27; Polarity: Vertical; Modulation:OFDM; Channel:High



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5839.500	117.08	32.25	6.00	36.90	118.43	125.20	-6.77	VERTICAL	Peak
2	5850.000	94.21	32.25	6.00	36.90	95.56	122.20	-26.64	VERTICAL	Peak
3	5860.000	89.38	32.27	5.96	36.90	90.71	109.40	-18.69	VERTICAL	Peak
4	5935.788	59.45	32.34	6.00	36.90	60.89	68.20	-7.31	VERTICAL	Peak

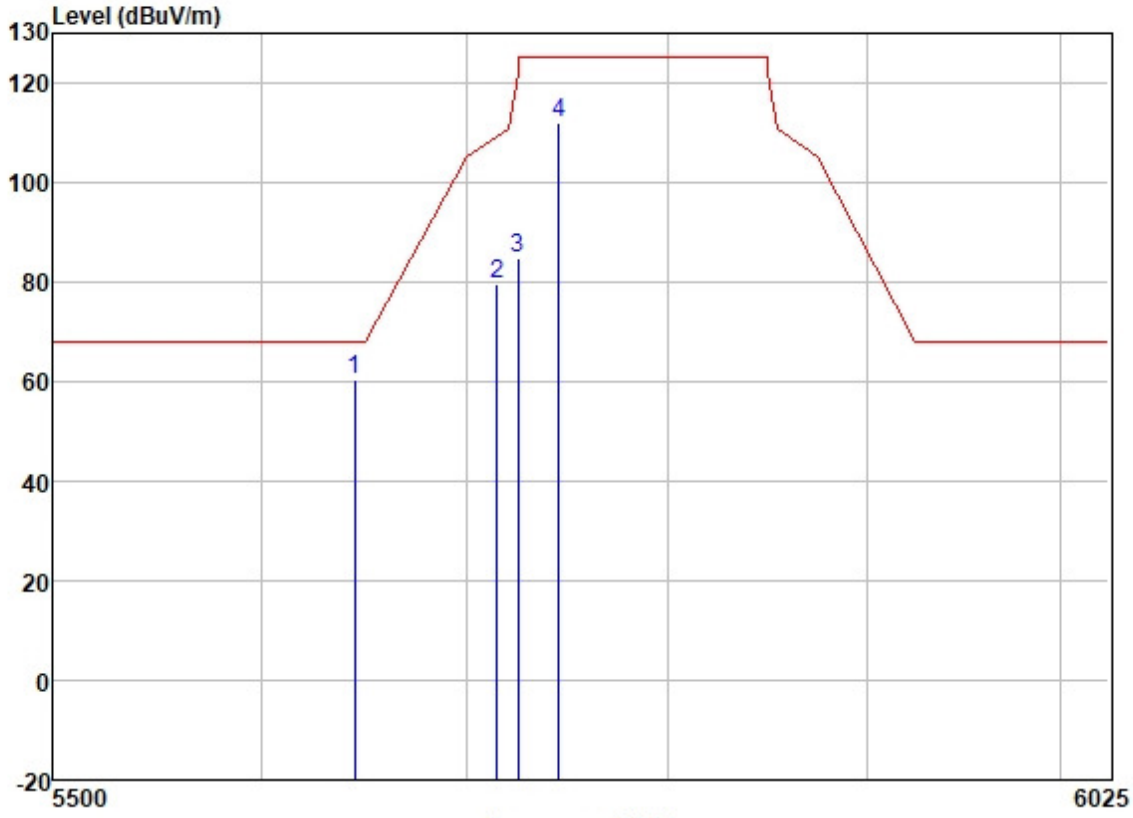
Test Mode: 28; Polarity: Horizontal; Modulation:OFDM; Channel:Low



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5642.628	59.56	31.95	6.35	36.89	60.97	68.20	-7.23	HORIZONTAL	Peak
2	5715.000	76.79	32.04	6.33	36.89	78.27	109.40	-31.13	HORIZONTAL	Peak
3	5725.000	82.85	32.07	6.25	36.89	84.28	122.20	-37.92	HORIZONTAL	Peak
4	5745.500	107.72	32.10	6.20	36.89	109.13	125.20	-16.07	HORIZONTAL	Peak

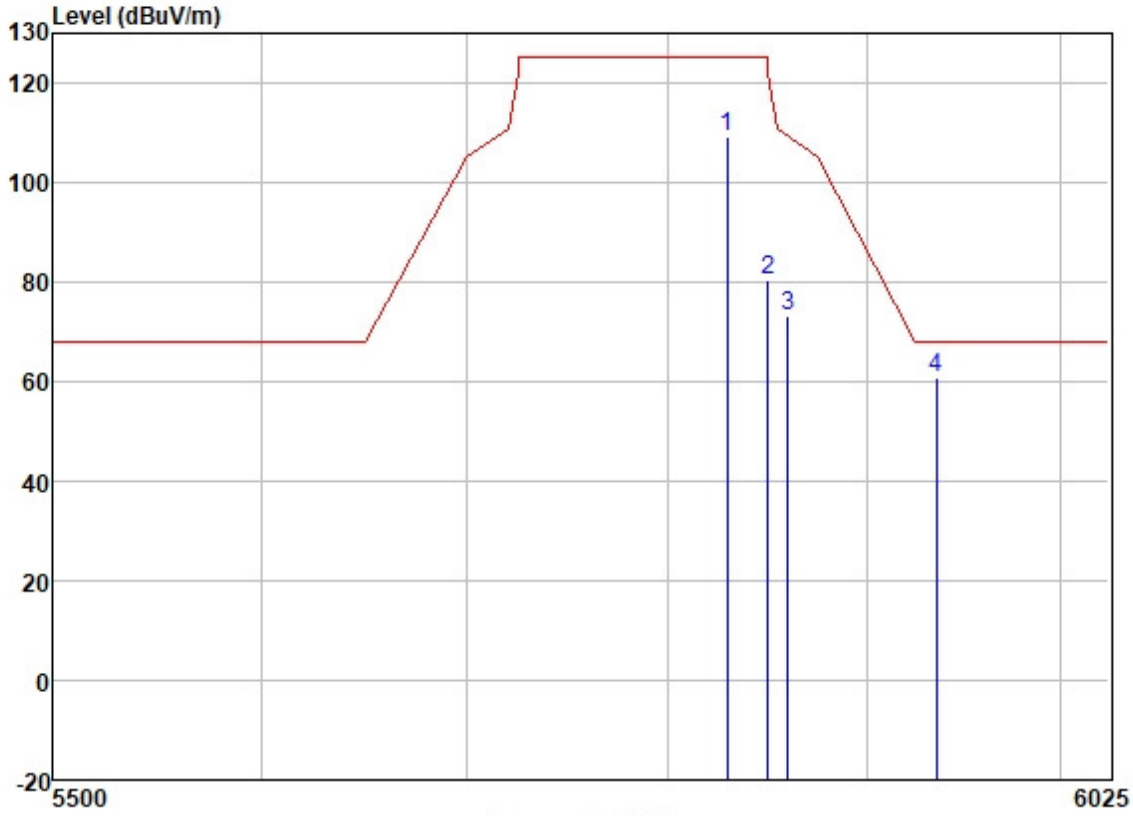
Test Mode: 28; Polarity: Vertical; Modulation:OFDM; Channel:Low



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5644.842	59.03	31.95	6.35	36.89	60.44	68.20	-7.76	VERTICAL	Peak
2	5715.000	78.12	32.04	6.33	36.89	79.60	109.40	-29.80	VERTICAL	Peak
3	5725.000	83.37	32.07	6.25	36.89	84.80	122.20	-37.40	VERTICAL	Peak
4	5745.500	110.50	32.10	6.20	36.89	111.91	125.20	-13.29	VERTICAL	Peak

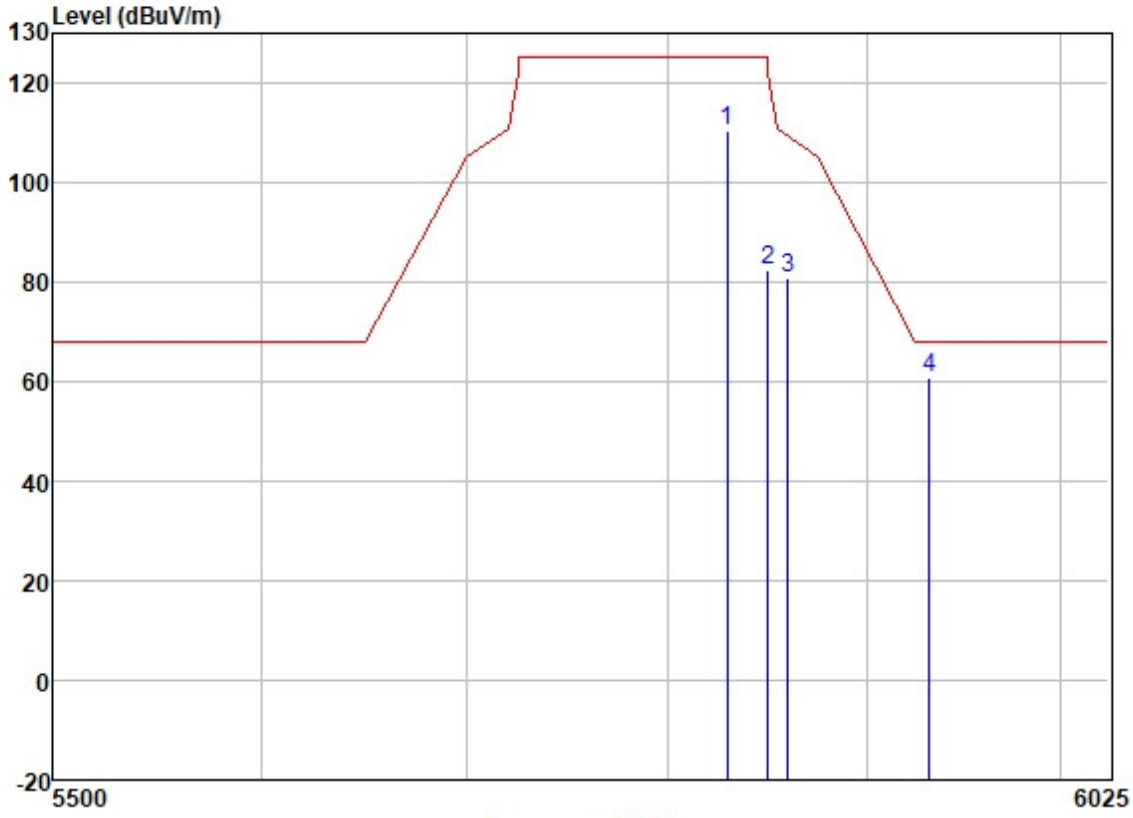
Test Mode: 28; Polarity: Horizontal; Modulation:OFDM; Channel:High



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5829.500	107.80	32.23	6.04	36.90	109.17	125.20	-16.03	HORIZONTAL	Peak
2	5850.000	79.21	32.25	6.00	36.90	80.56	122.20	-41.64	HORIZONTAL	Peak
3	5860.000	71.85	32.27	5.96	36.90	73.18	109.40	-36.22	HORIZONTAL	Peak
4	5935.955	59.50	32.34	6.00	36.90	60.94	68.20	-7.26	HORIZONTAL	Peak

Test Mode: 28; Polarity: Vertical; Modulation:OFDM; Channel:High



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5829.500	109.16	32.23	6.04	36.90	110.53	125.20	-14.67	VERTICAL	Peak
2	5850.000	80.94	32.25	6.00	36.90	82.29	122.20	-39.91	VERTICAL	Peak
3	5860.000	79.49	32.27	5.96	36.90	80.82	109.40	-28.58	VERTICAL	Peak
4	5932.287	59.50	32.34	6.00	36.90	60.94	68.20	-7.26	VERTICAL	Peak

8 Test Setup Photo

Refer to Appendix - Test Setup Photo for GZCR2108020829AT

9 EUT Constructional Details (EUT Photos)

Refer to Appendix - external and internal photos for GZCR2108020829AT

10 Appendix

1. Duty Cycle

1.1 Ant1

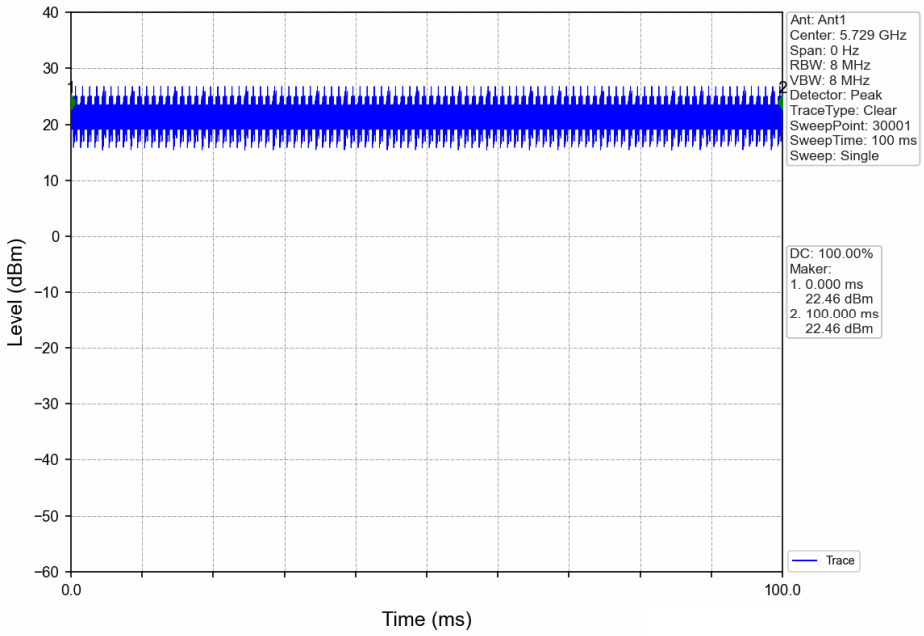
1.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1.4MHz BW	SISO	5728.5	100.00	100.00	100.00	0.00	0.00
		5786.5	100.00	100.00	100.00	0.00	0.00
		5846.5	100.00	100.00	100.00	0.00	0.00
1.4MHz CA BW	SISO	5730.12	100.00	100.00	100.00	0.00	0.00
		5788.12	100.00	100.00	100.00	0.00	0.00
		5848.12	100.00	100.00	100.00	0.00	0.00
3MHz BW	SISO	5727.5	100.00	100.00	100.00	0.00	0.00
		5784.5	100.00	100.00	100.00	0.00	0.00
		5844.5	100.00	100.00	100.00	0.00	0.00
3MHz CA BW	SISO	5730.2	100.00	100.00	100.00	0.00	0.00
		5787.2	100.00	100.00	100.00	0.00	0.00
		5847.2	100.00	100.00	100.00	0.00	0.00
10MHz BW	SISO	5730.5	100.00	100.00	100.00	0.00	0.00
		5787.5	100.00	100.00	100.00	0.00	0.00
		5844.5	100.00	100.00	100.00	0.00	0.00
20MHz BW	SISO	5735.5	19.92	19.95	99.83	0.01	0.00
		5787.5	19.92	19.95	99.83	0.01	0.00
		5839.5	19.92	19.95	99.83	0.01	0.00
40MHz BW	SISO	5745.5	19.96	20.00	99.82	0.01	0.00
		5787.5	19.96	20.00	99.78	0.01	0.00
		5829.5	19.96	20.00	99.81	0.01	0.00

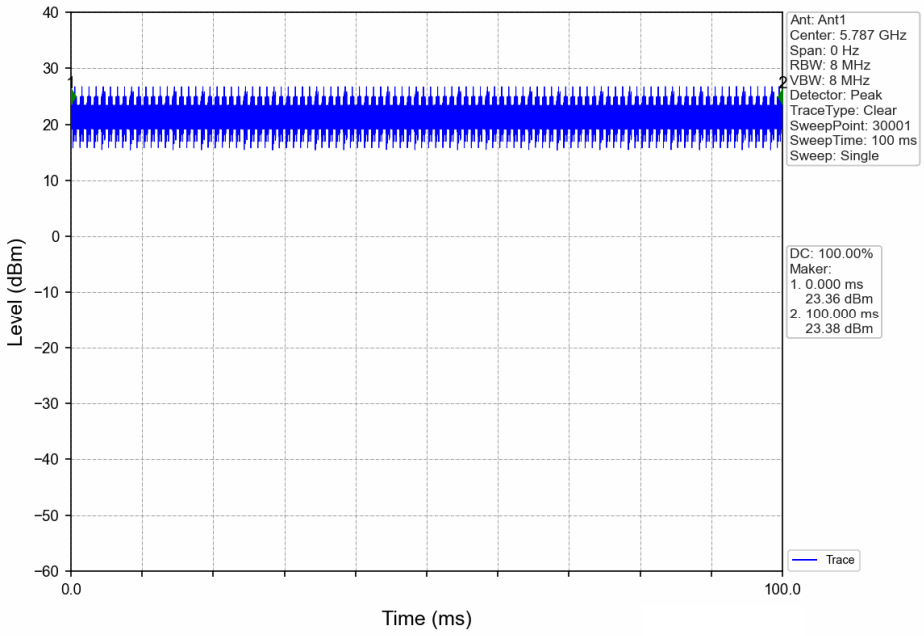
Ant1								
ENV	Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
NTNV	1.4MHz BW	MIMO	5728.5	100.00	100.00	100.00	0.00	0.00
			5786.5	100.00	100.00	100.00	0.00	0.00
			5846.5	100.00	100.00	100.00	0.00	0.00
	1.4MHz CA BW	MIMO	5730.12	100.00	100.00	100.00	0.00	0.00
			5788.12	100.00	100.00	100.00	0.00	0.00
			5848.12	100.00	100.00	100.00	0.00	0.00
	3MHz BW	MIMO	5727.5	100.00	100.00	100.00	0.00	0.00
			5784.5	100.00	100.00	100.00	0.00	0.00
			5844.5	100.00	100.00	100.00	0.00	0.00
	3MHz CA BW	MIMO	5730.2	100.00	100.00	100.00	0.00	0.00
			5787.2	100.00	100.00	100.00	0.00	0.00
			5847.2	100.00	100.00	100.00	0.00	0.00
	10MHz BW	MIMO	5730.5	100.00	100.00	100.00	0.00	0.00
			5787.5	100.00	100.00	100.00	0.00	0.00
			5844.5	100.00	100.00	100.00	0.00	0.00
	20MHz BW	MIMO	5735.5	19.95	19.97	99.91	0.00	0.00
			5787.5	19.95	19.97	99.93	0.00	0.00
			5839.5	19.95	19.97	99.93	0.00	0.00
	40MHz BW	MIMO	5745.5	19.94	19.97	99.88	0.01	0.00
			5787.5	19.94	19.97	99.88	0.01	0.00
			5829.5	19.94	19.97	99.88	0.01	0.00

1.1.2 Test Graph

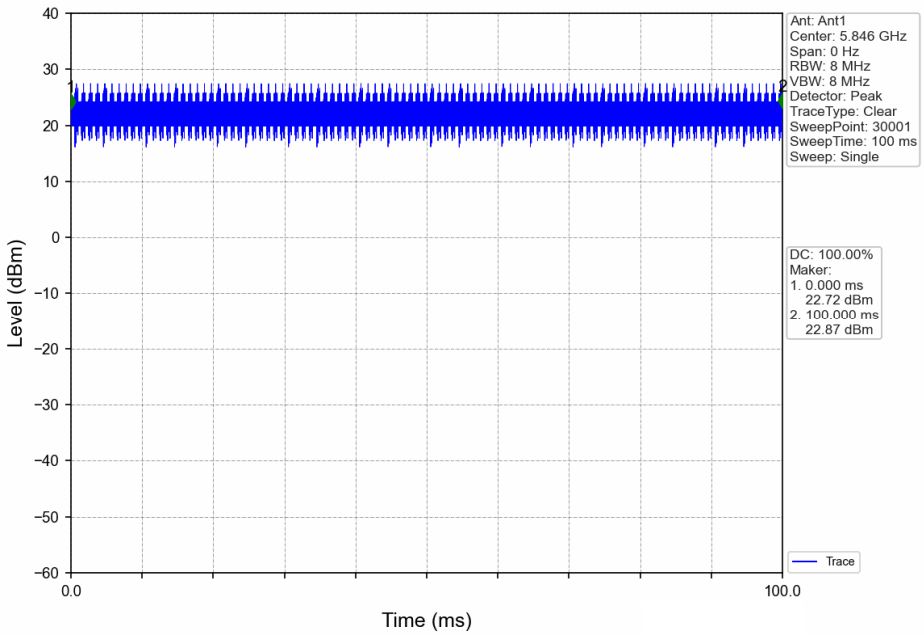
1.4MHz BW_LCH_5728.5MHz_Ant1_NTNV



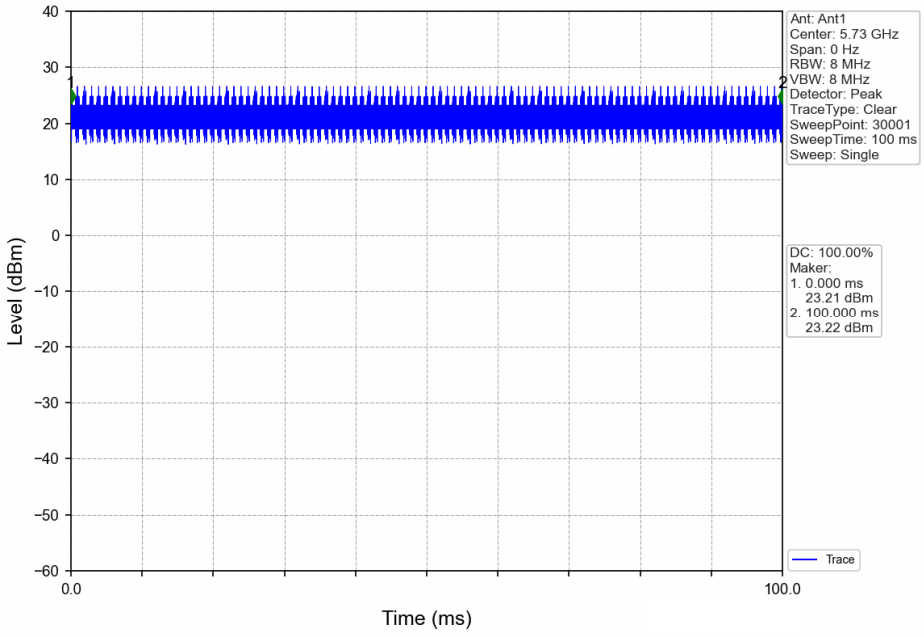
1.4MHz BW_MCH_5786.5MHz_Ant1_NTNV



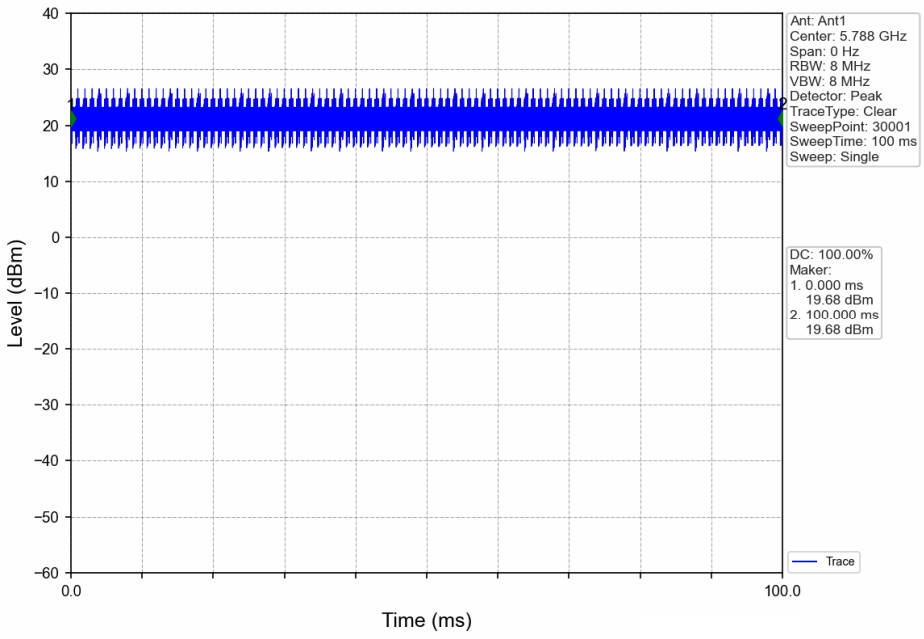
1.4MHz BW_HCH_5846.5MHz_Ant1_NTNV



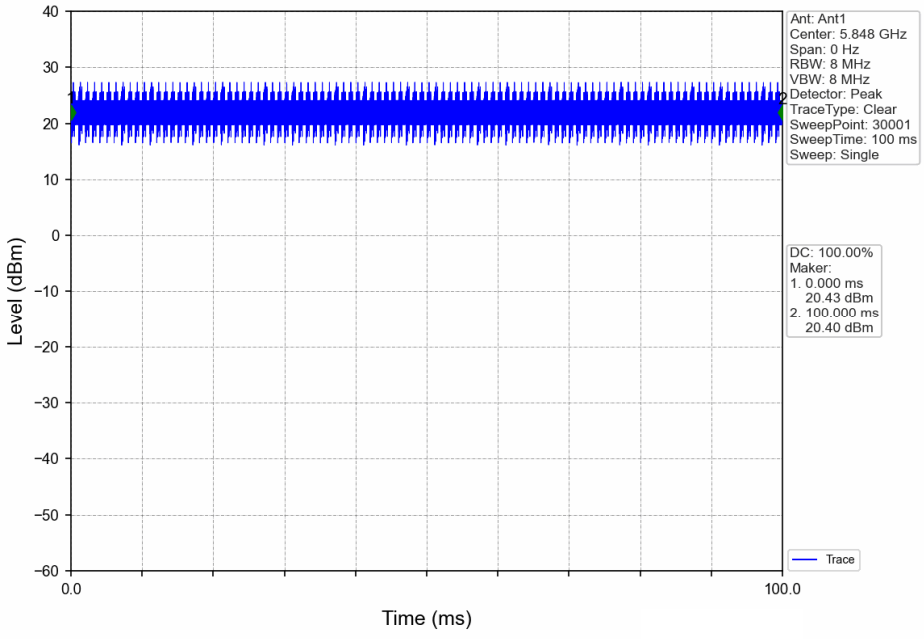
1.4MHz CA BW_LCH_5730.12MHz_Ant1_NTNV



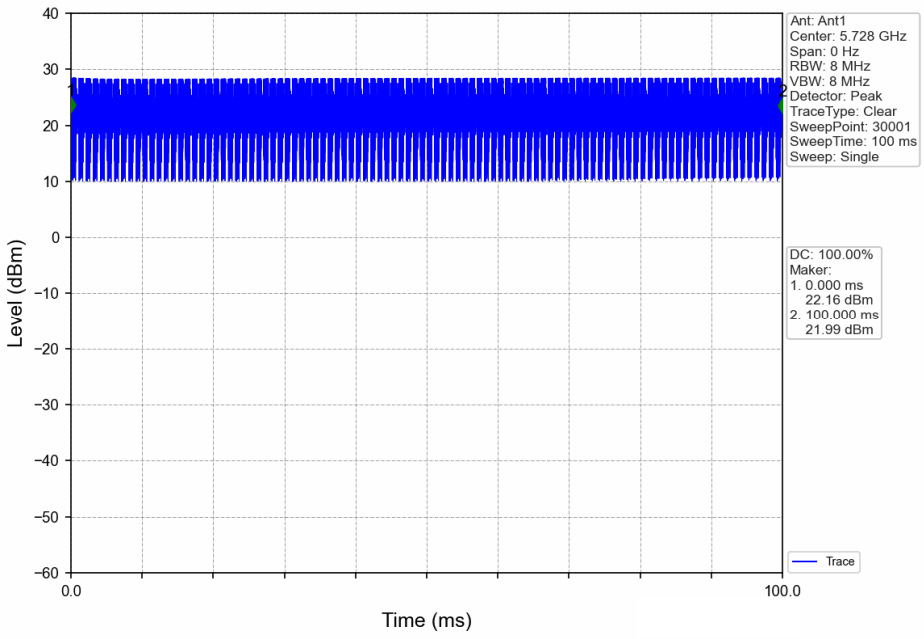
1.4MHz CA BW_MCH_5788.12MHz_Ant1_NTNV



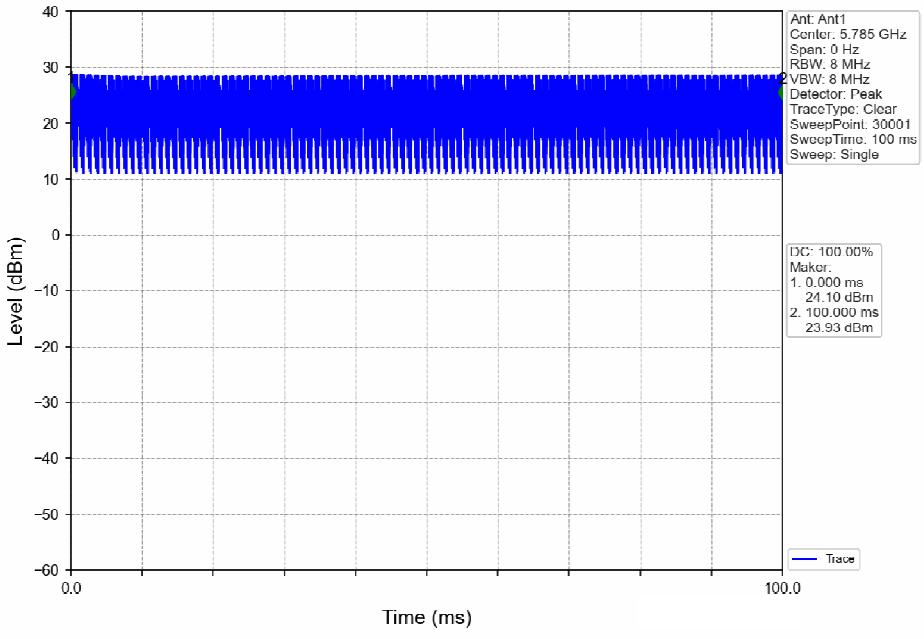
1.4MHz CA BW_HCH_5848.12MHz_Ant1_NTNV



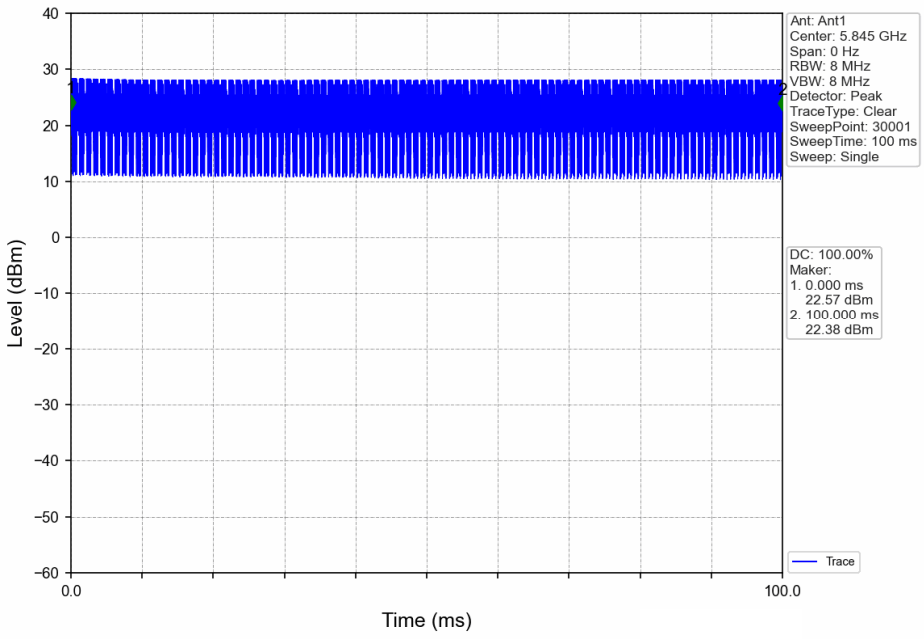
3MHz BW_LCH_5727.5MHz_Ant1_NTNV



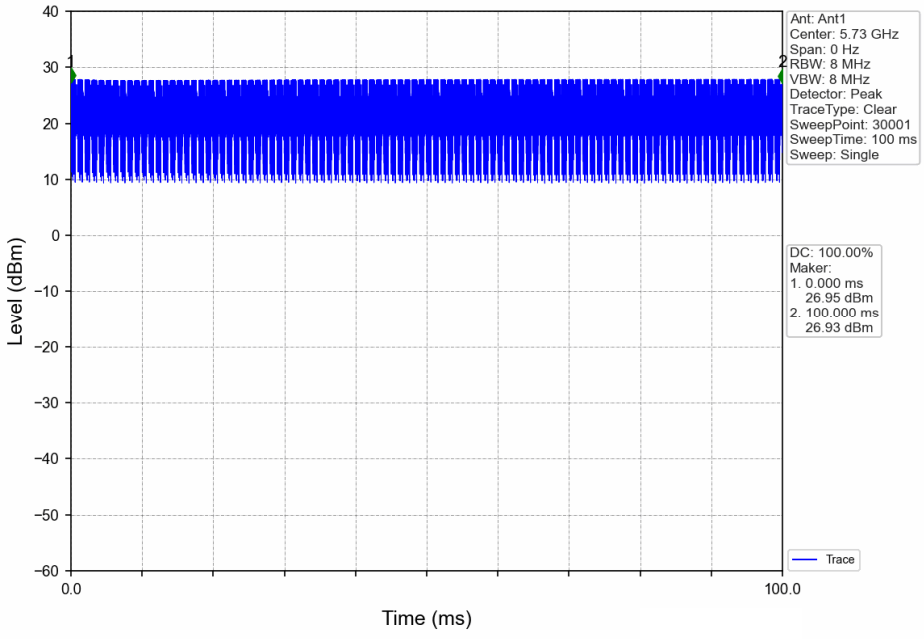
3MHz BW_MCH_5784.5MHz_Ant1_NTNV



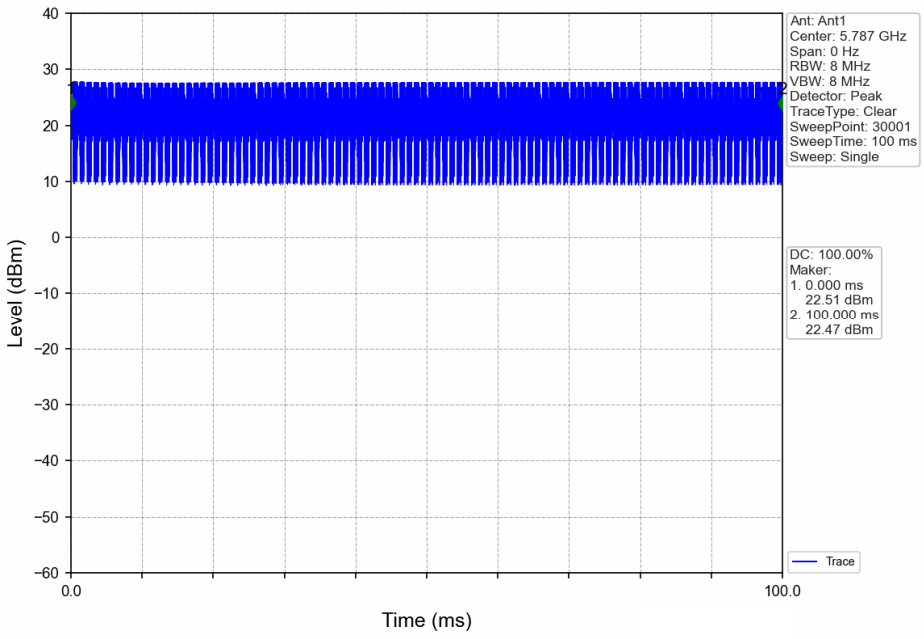
3MHz BW_HCH_5844.5MHz_Ant1_NTNV



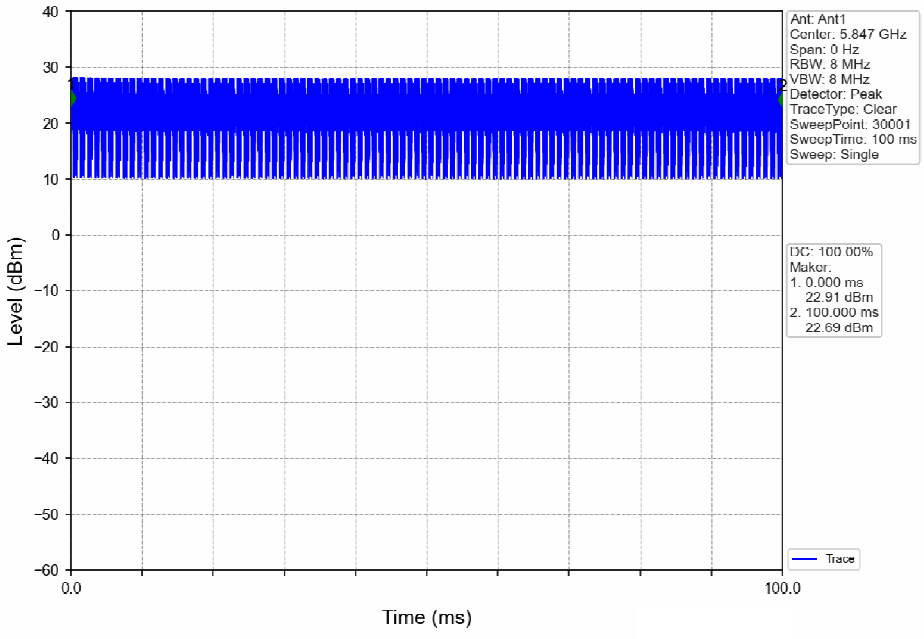
3MHz CA BW_LCH_5730.2MHz_Ant1_NTNV



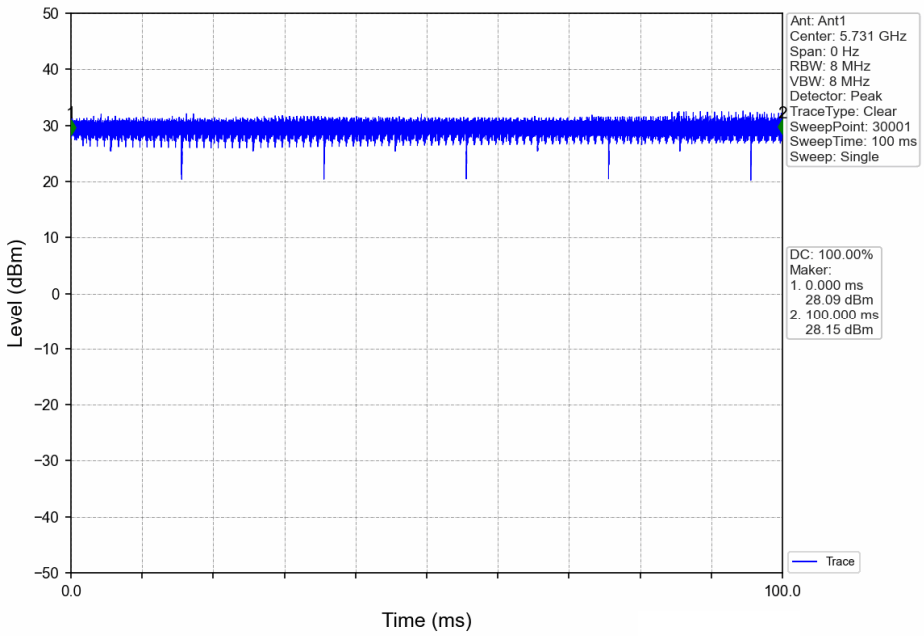
3MHz CA BW_MCH_5787.2MHz_Ant1_NTNV



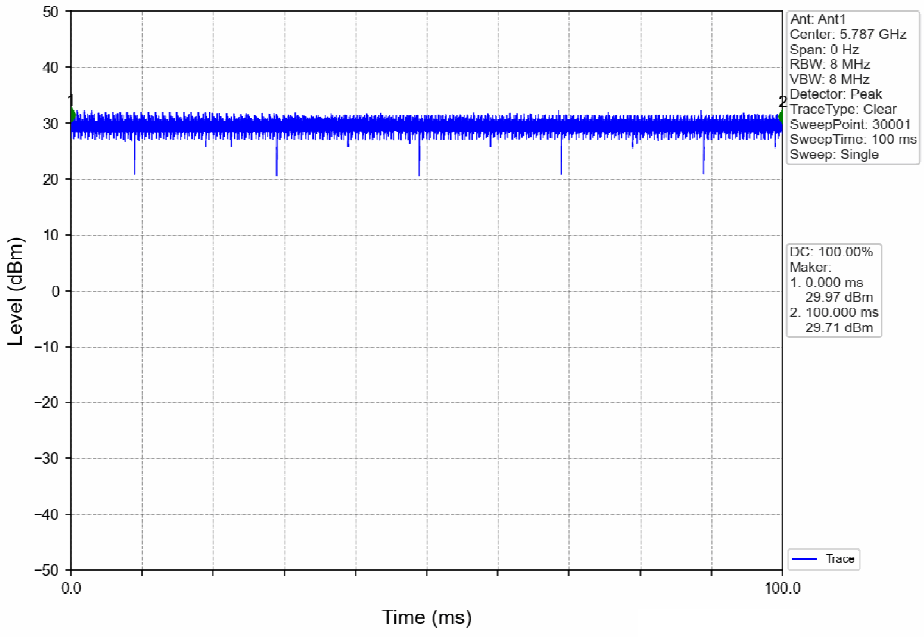
3MHz CA BW_HCH_5847.2MHz_Ant1_NTNV



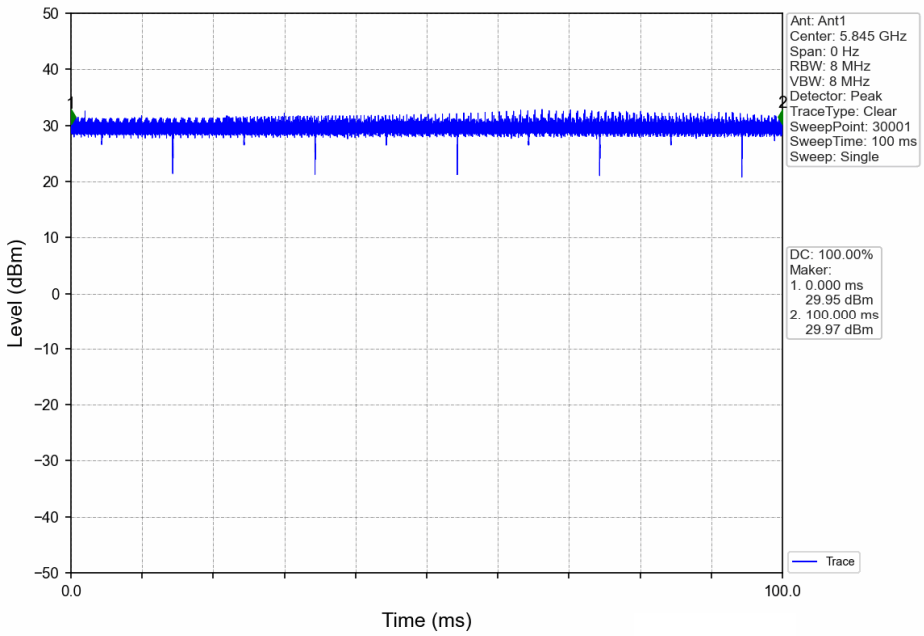
10MHz BW_LCH_5730.5MHz_Ant1_NTNV



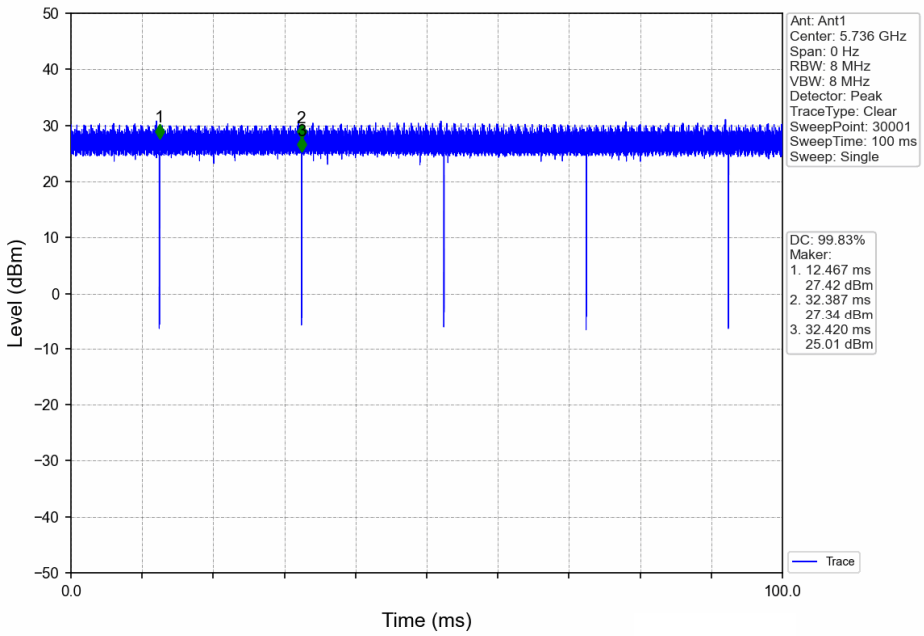
10MHz BW_MCH_5787.5MHz_Ant1_NTNV



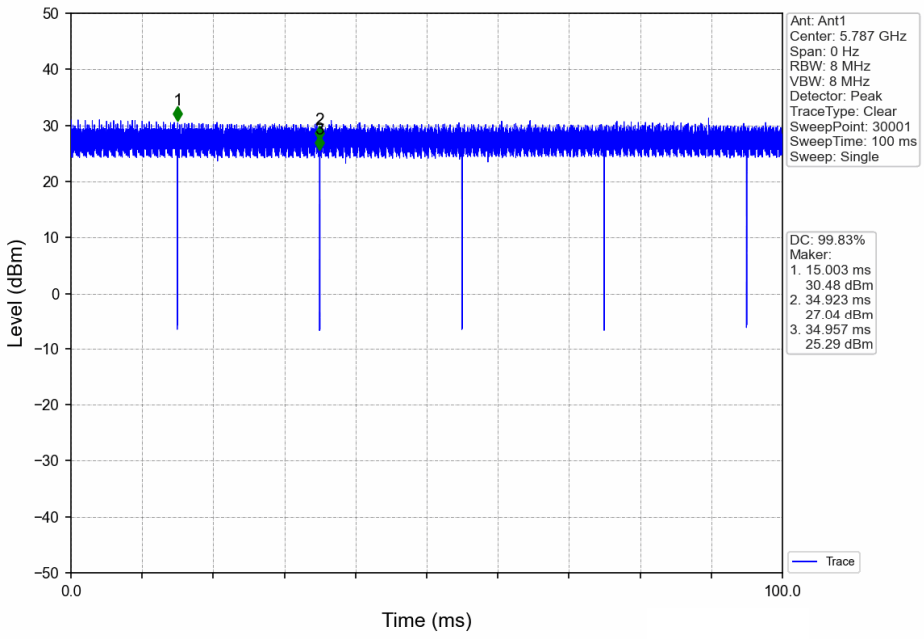
10MHz BW_HCH_5844.5MHz_Ant1_NTNV



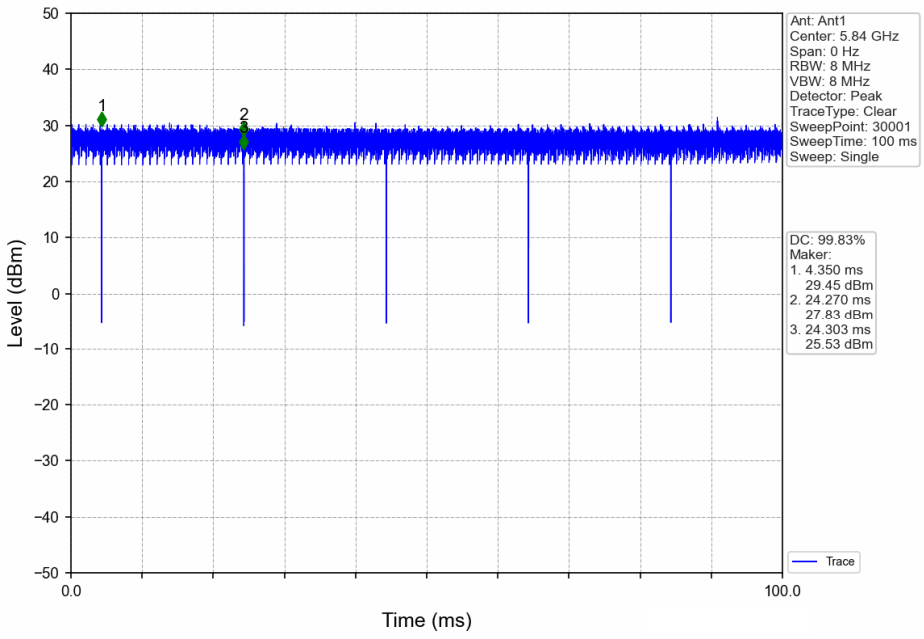
20MHz BW_LCH_5735.5MHz_Ant1_NTNV



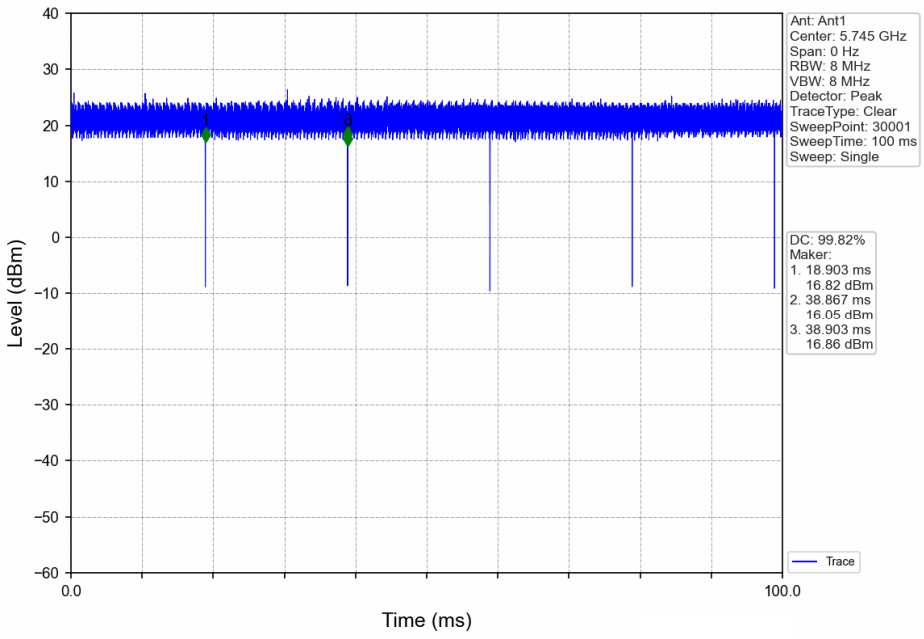
20MHz BW_MCH_5787.5MHz_Ant1_NTNV



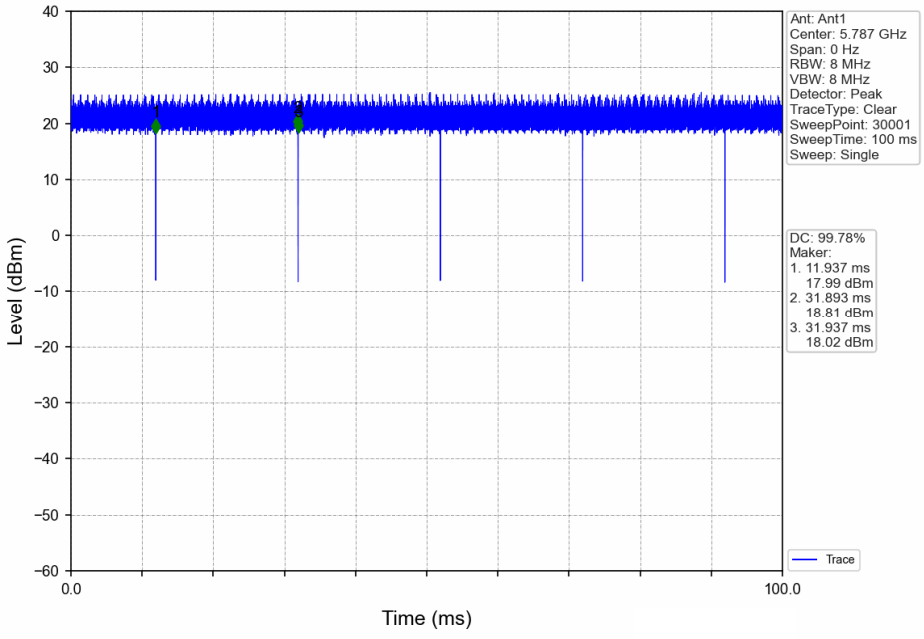
20MHz BW_HCH_5839.5MHz_Ant1_NTNV



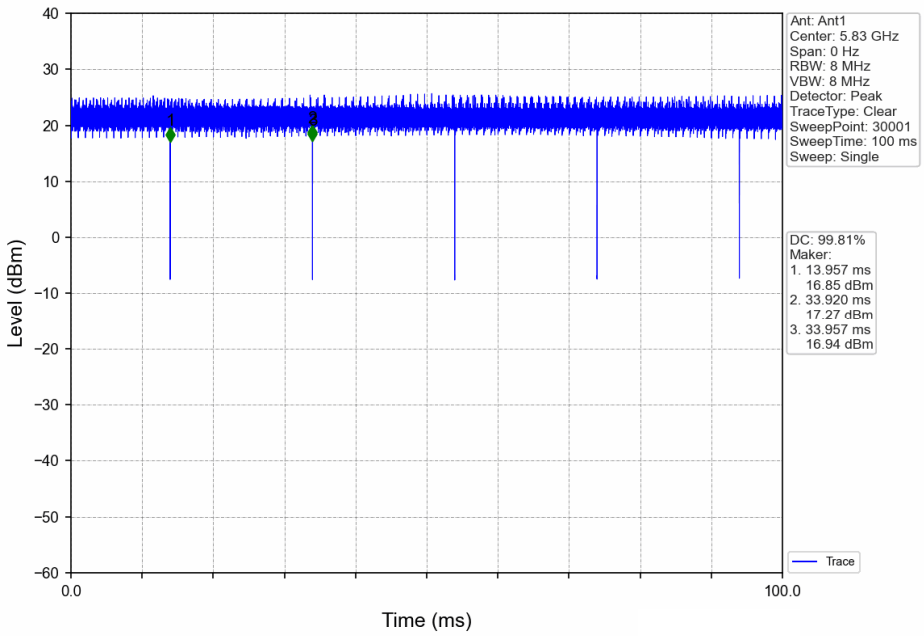
40MHz BW_LCH_5745.5MHz_Ant1_NTNV



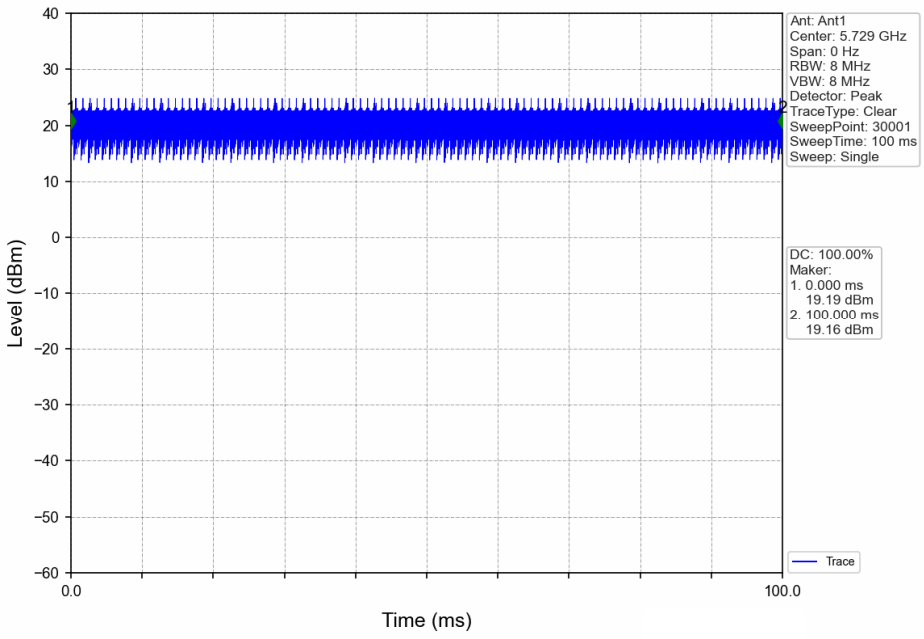
40MHz BW_MCH_5787.5MHz_Ant1_NTNV



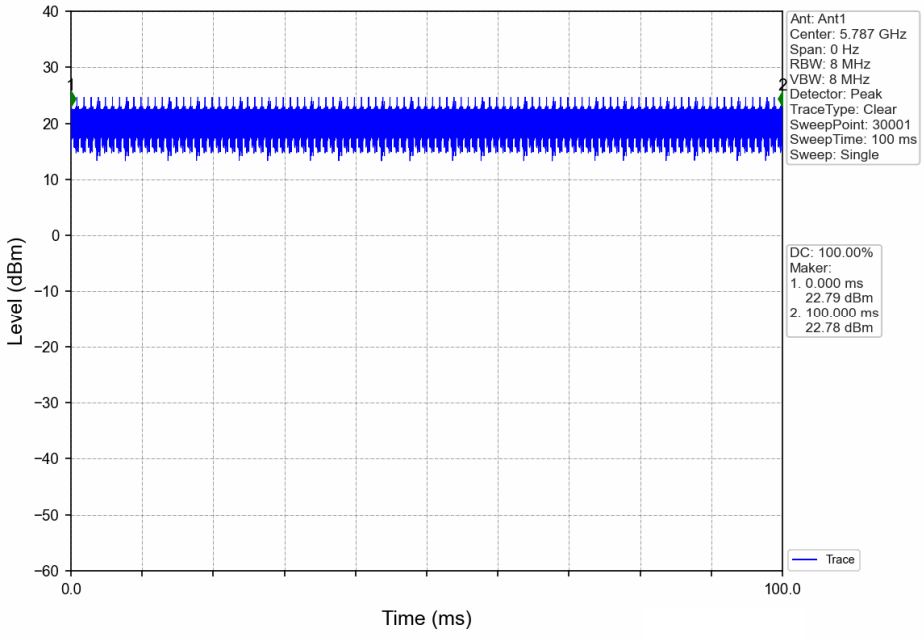
40MHz BW_HCH_5829.5MHz_Ant1_NTNV



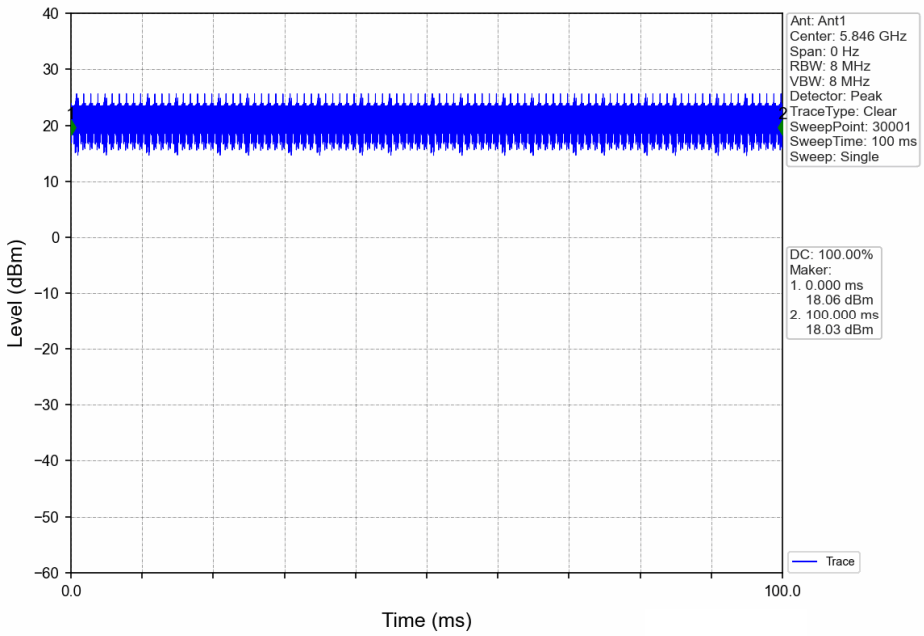
1.4MHz BW_LCH_5728.5MHz_Ant1_NTNV



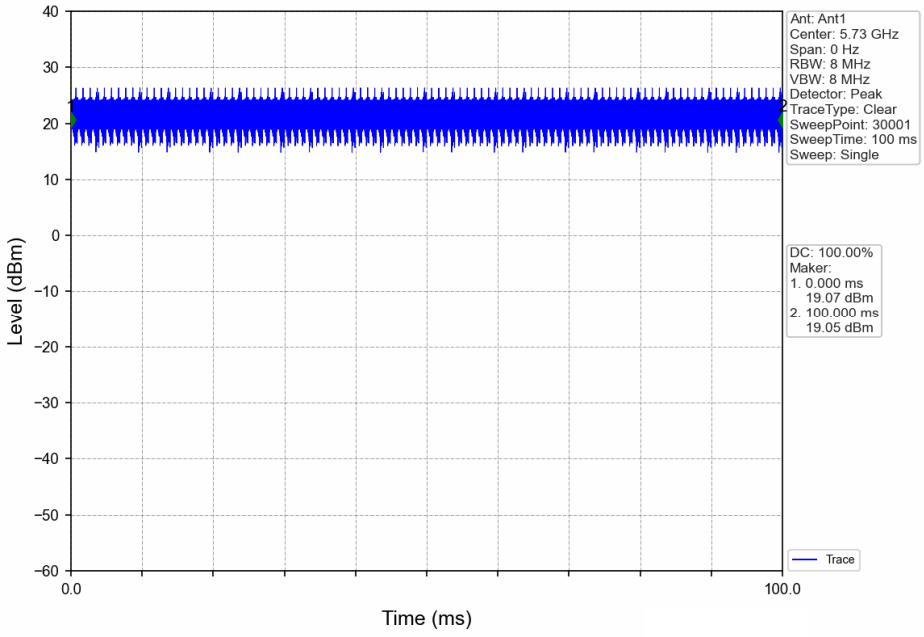
1.4MHz BW_MCH_5786.5MHz_Ant1_NTNV



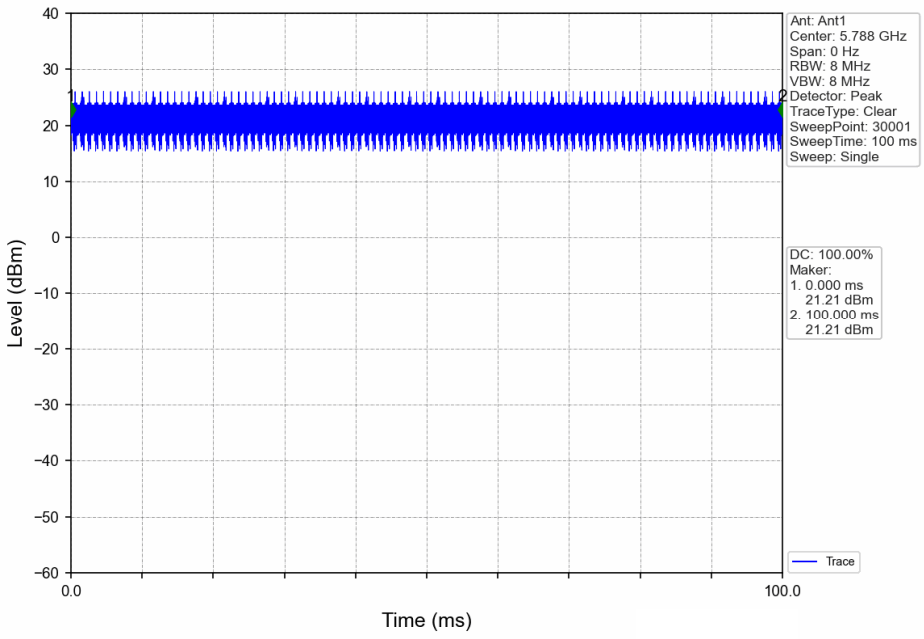
1.4MHz BW_HCH_5846.5MHz_Ant1_NTNV



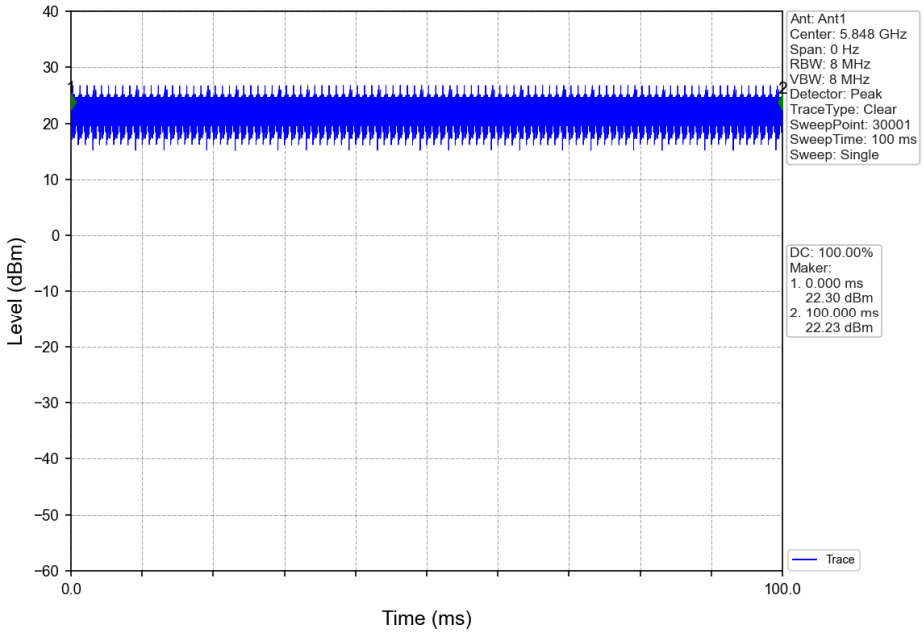
1.4MHz CA BW_LCH_5730.12MHz_Ant1_NTNV



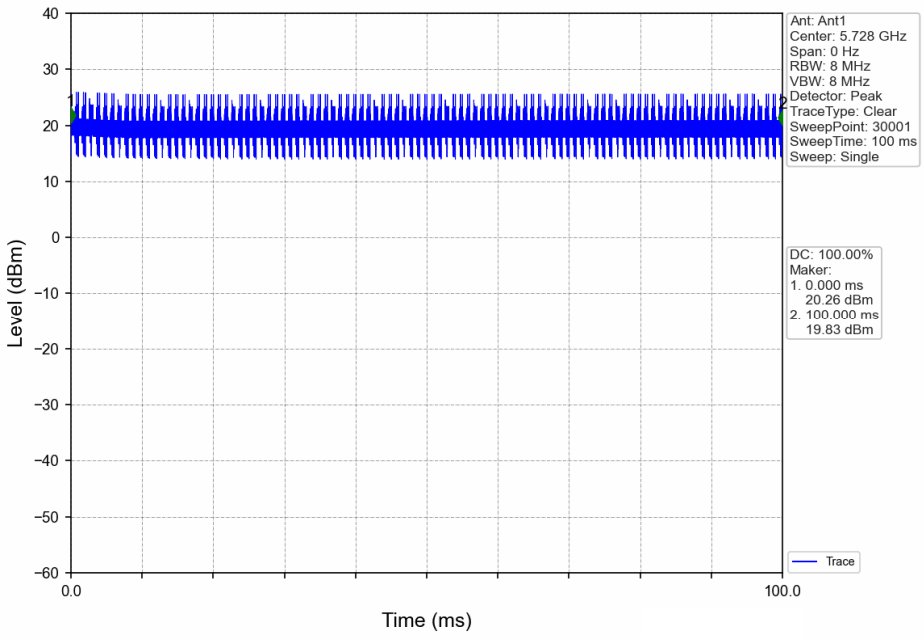
1.4MHz CA BW_MCH_5788.12MHz_Ant1_NTNV



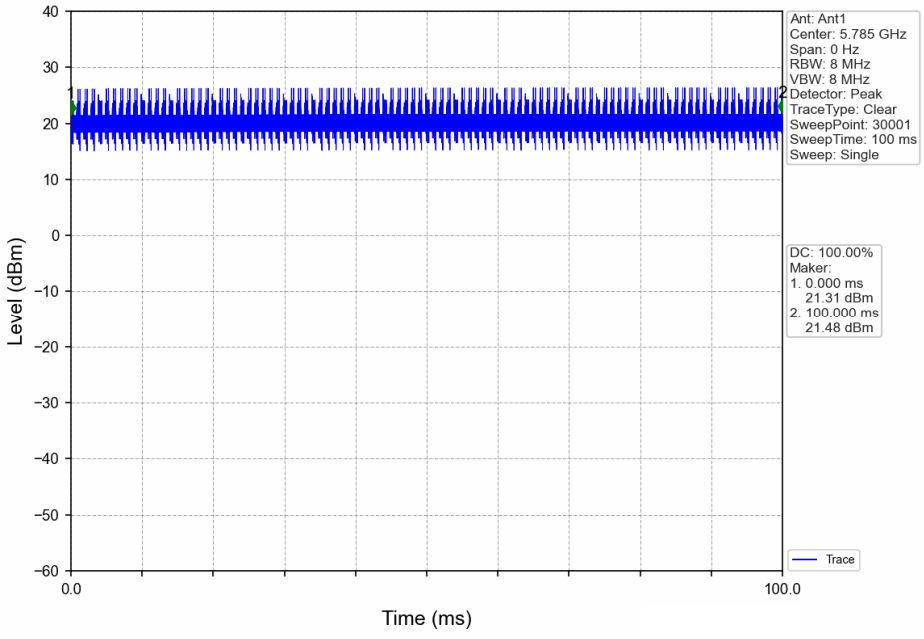
1.4MHz CA BW_HCH_5848.12MHz_Ant1_NTNV



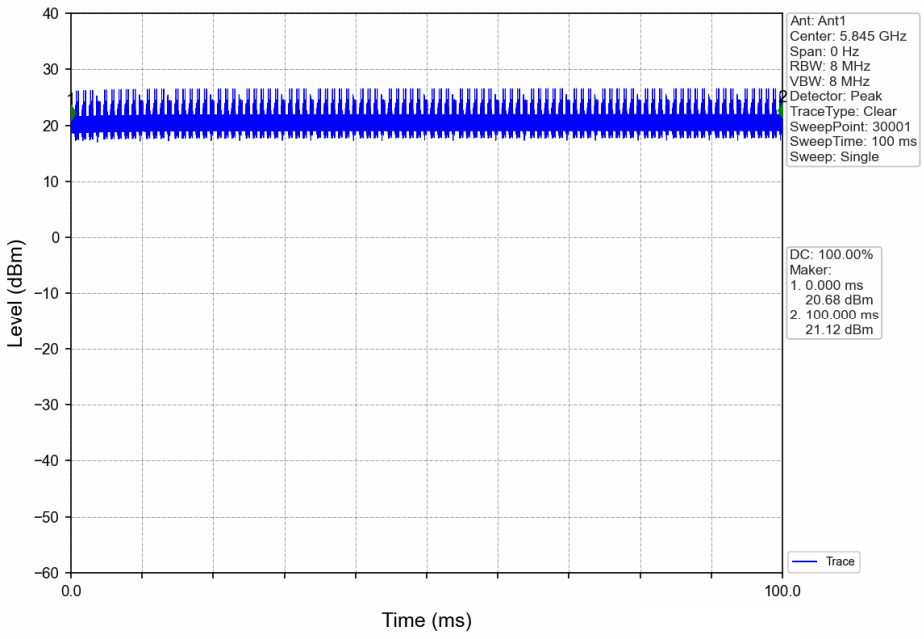
3MHz BW_LCH_5727.5MHz_Ant1_NTNV



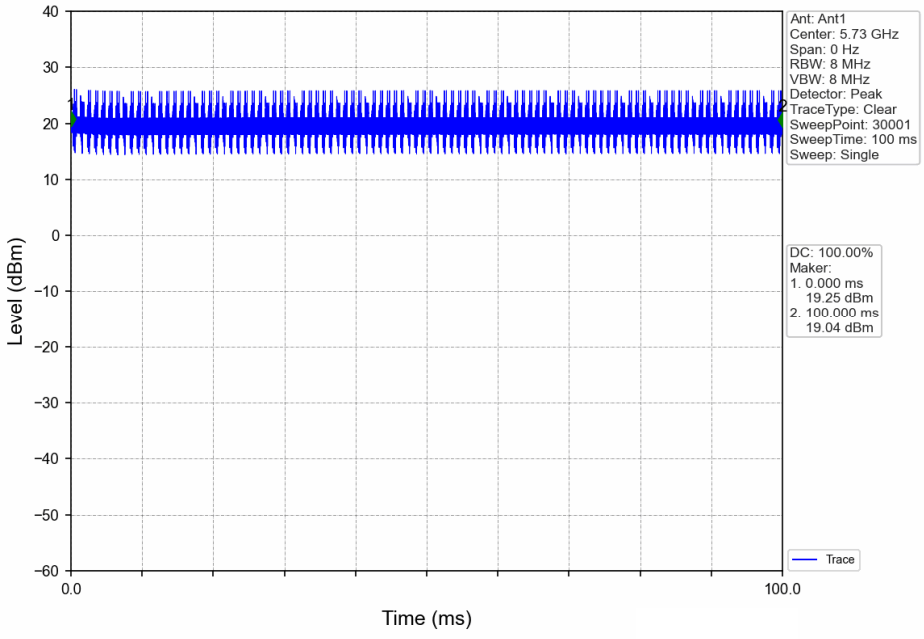
3MHz BW_MCH_5784.5MHz_Ant1_NTNV



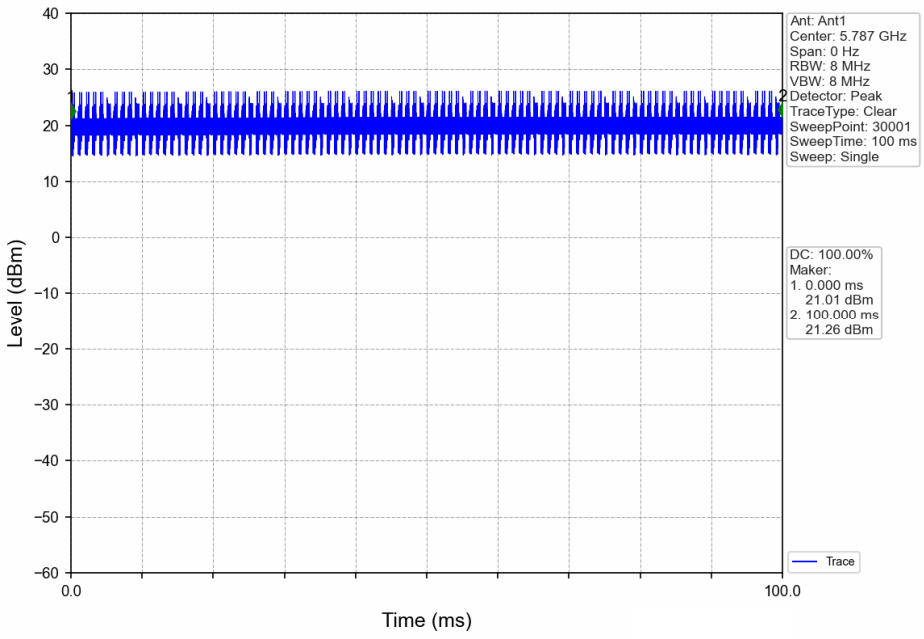
3MHz BW_HCH_5844.5MHz_Ant1_NTNV



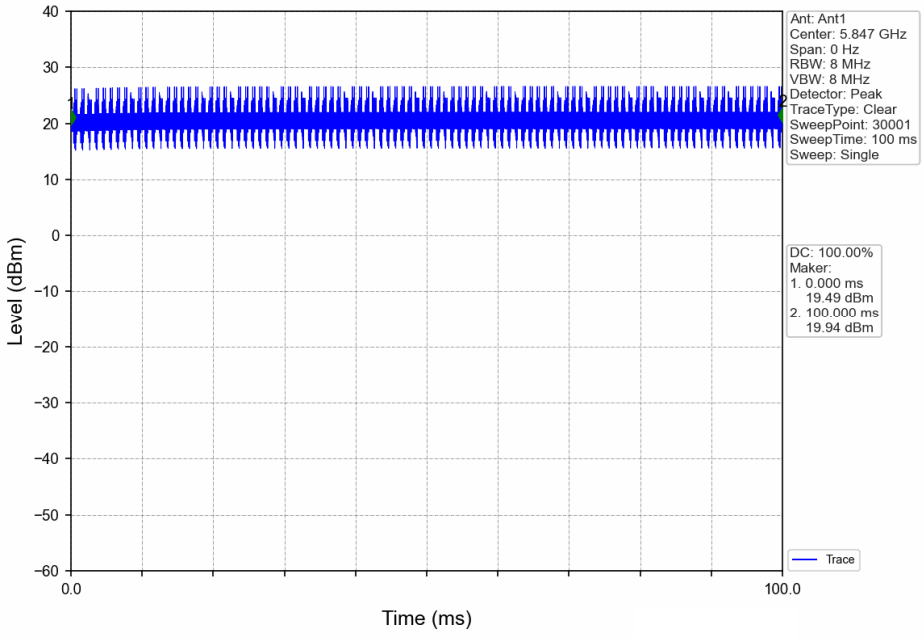
3MHz CA BW_LCH_5730.2MHz_Ant1_NTNV



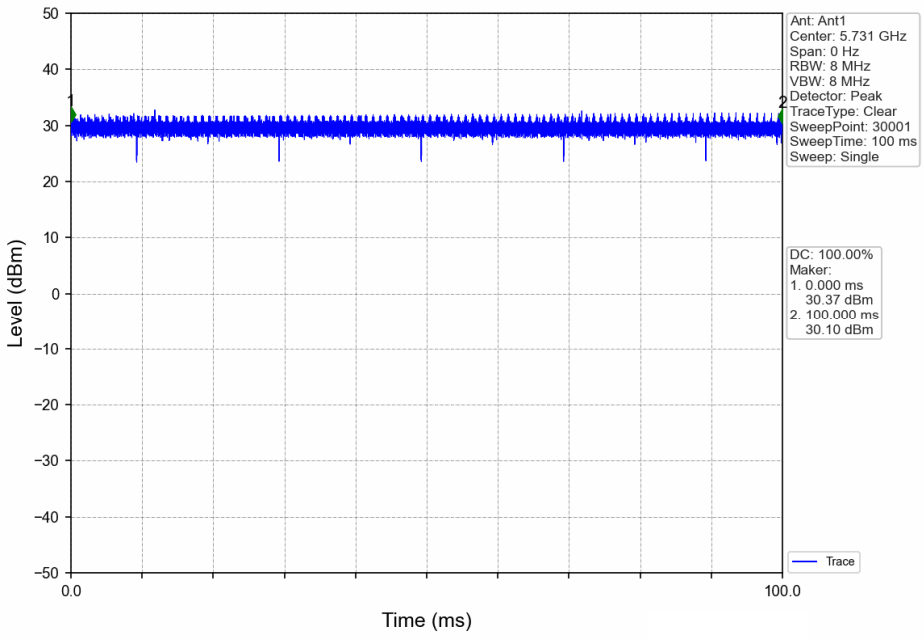
3MHz CA BW_MCH_5787.2MHz_Ant1_NTNV



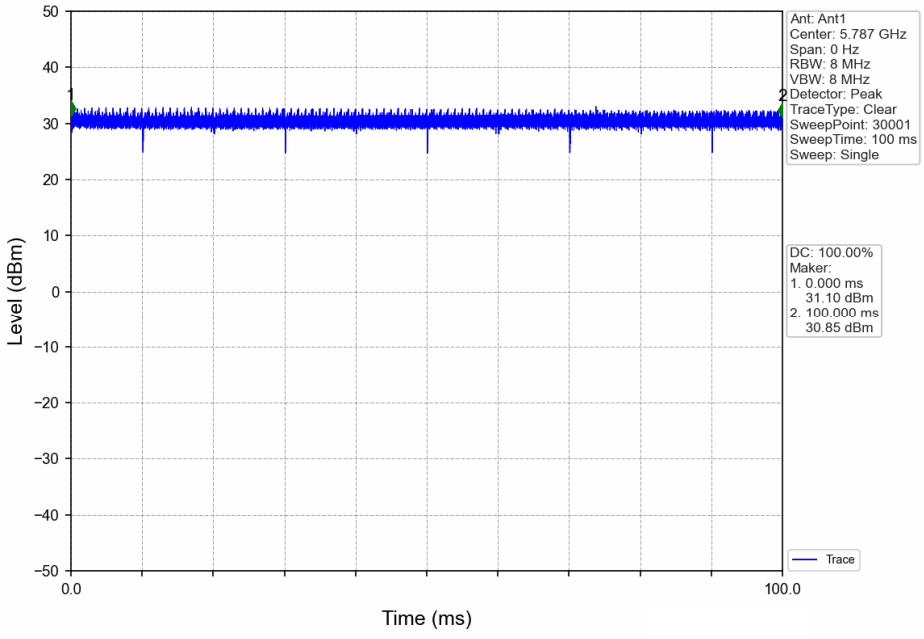
3MHz CA BW_HCH_5847.2MHz_Ant1_NTNV



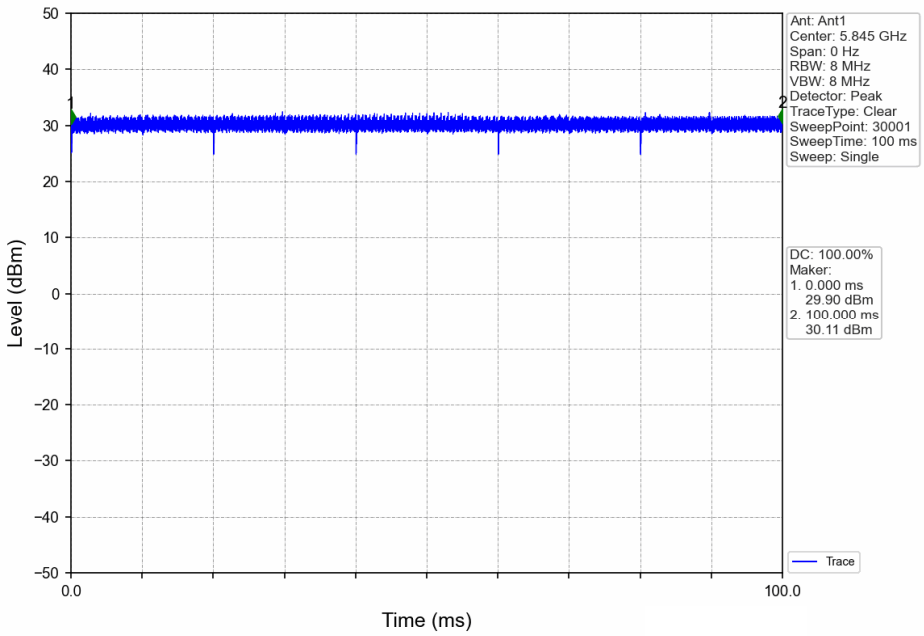
10MHz BW_LCH_5730.5MHz_Ant1_NTNV



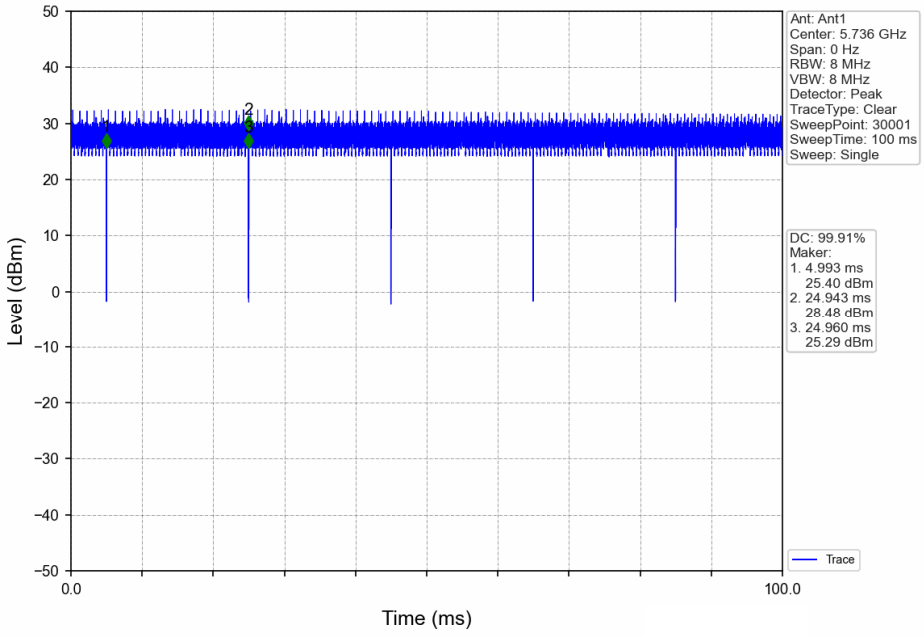
10MHz BW_MCH_5787.5MHz_Ant1_NTNV



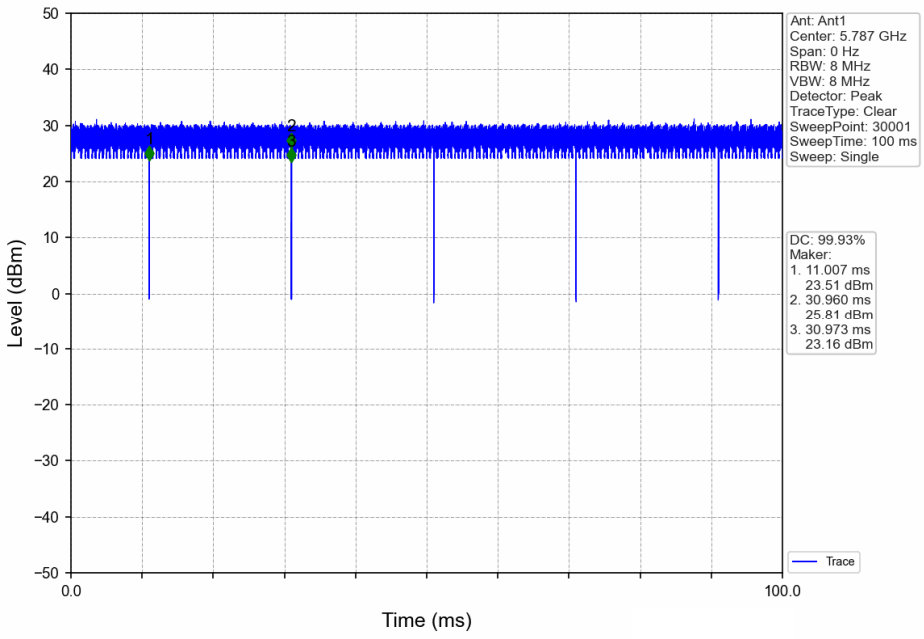
10MHz BW_HCH_5844.5MHz_Ant1_NTNV



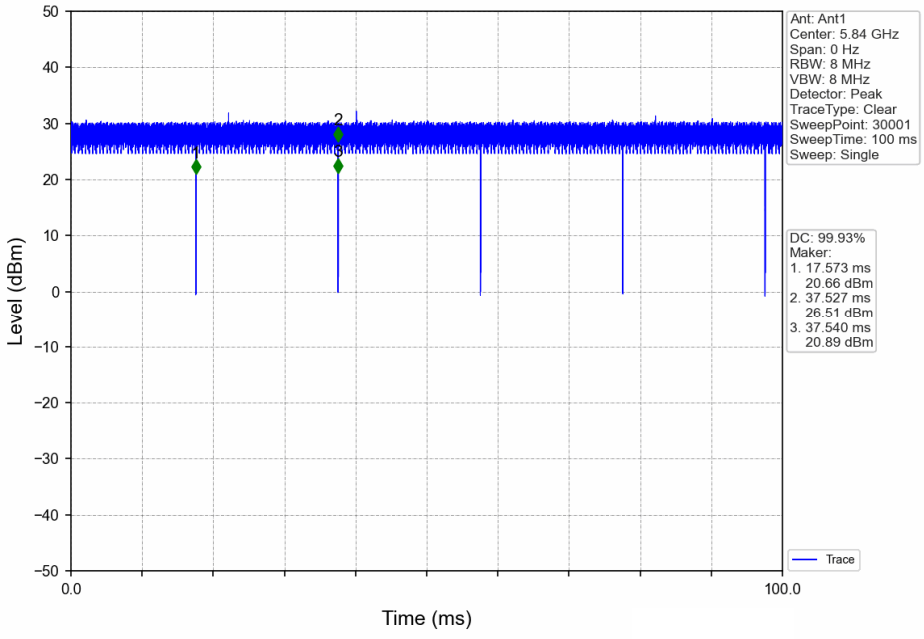
20MHz BW_LCH_5735.5MHz_Ant1_NTNV



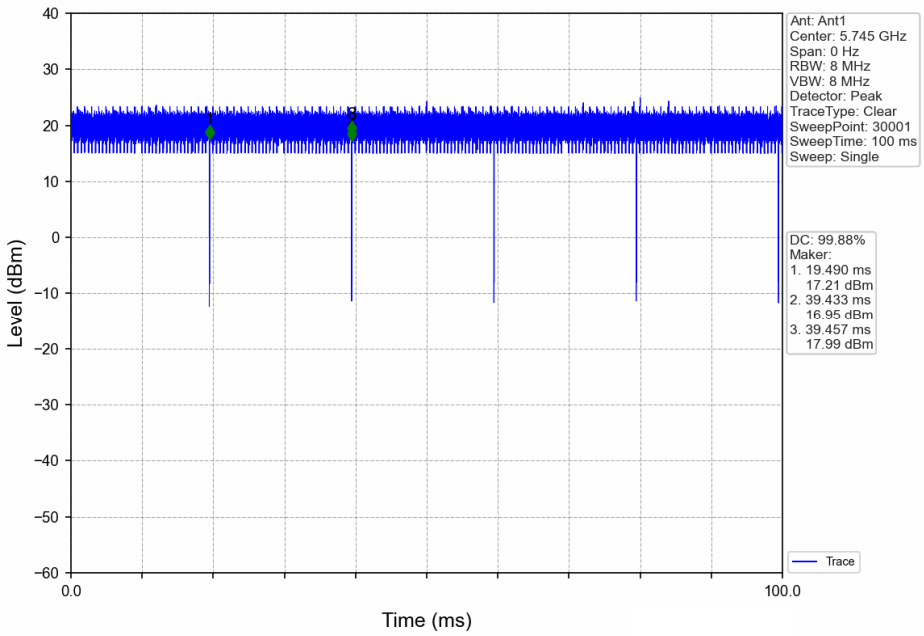
20MHz BW_MCH_5787.5MHz_Ant1_NTNV



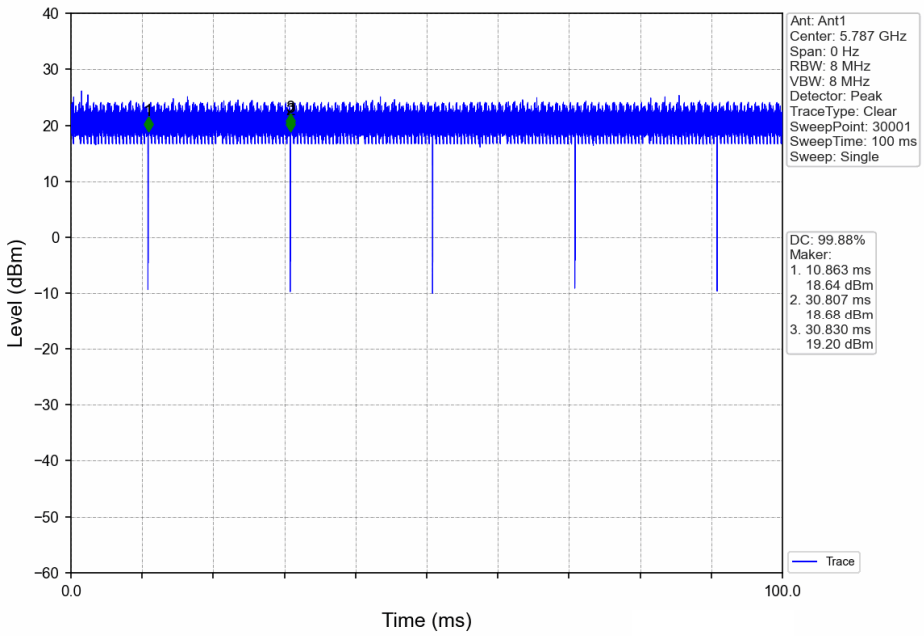
20MHz BW_HCH_5839.5MHz_Ant1_NTNV



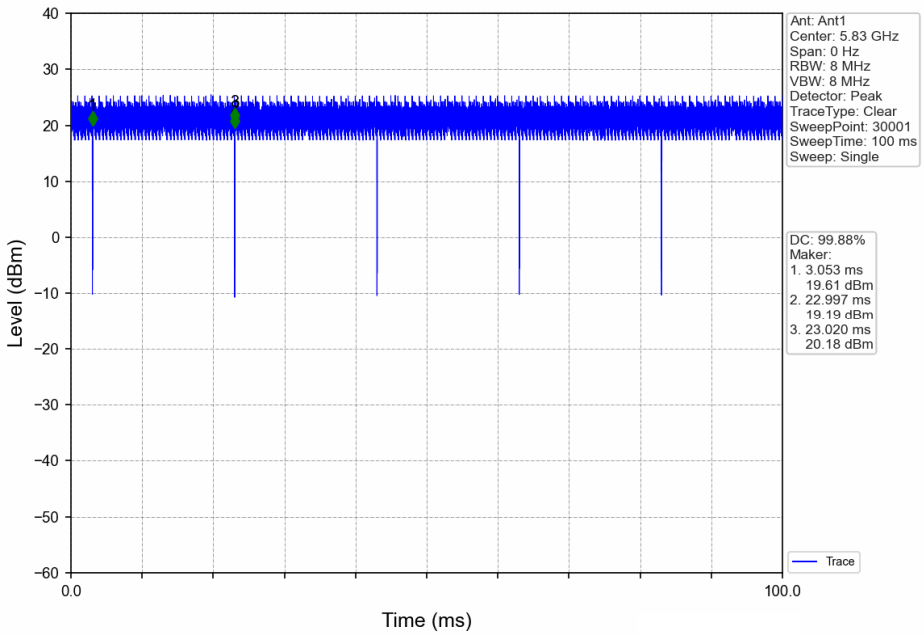
40MHz BW_LCH_5745.5MHz_Ant1_NTNV



40MHz BW_MCH_5787.5MHz_Ant1_NTNV



40MHz BW_HCH_5829.5MHz_Ant1_NTNV



2. Bandwidth

2.1 6dB BW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	6dB Bandwidth (MHz)	Limit	Verdict
1.4MHz BW	SISO	5728.5	1	1.11	>=0.5	Pass
		5786.5	1	1.11	>=0.5	Pass
		5846.5	1	1.11	>=0.5	Pass
1.4MHz CA BW	SISO	5730.12	1	1.11	>=0.5	Pass
		5788.12	1	1.11	>=0.5	Pass
		5848.12	1	1.11	>=0.5	Pass
3MHz BW	SISO	5727.5	1	2.19	>=0.5	Pass
		5784.5	1	2.18	>=0.5	Pass
		5844.5	1	2.20	>=0.5	Pass
3MHz CA BW	SISO	5730.2	1	2.20	>=0.5	Pass
		5787.2	1	2.19	>=0.5	Pass
		5847.2	1	2.20	>=0.5	Pass
10MHz BW	SISO	5730.5	1	8.86	>=0.5	Pass
		5787.5	1	9.08	>=0.5	Pass
		5844.5	1	8.14	>=0.5	Pass
20MHz BW	SISO	5735.5	1	18.04	>=0.5	Pass
		5787.5	1	17.30	>=0.5	Pass
		5839.5	1	18.16	>=0.5	Pass
40MHz BW	SISO	5745.5	1	35.71	>=0.5	Pass
		5787.5	1	36.07	>=0.5	Pass
		5829.5	1	36.49	>=0.5	Pass

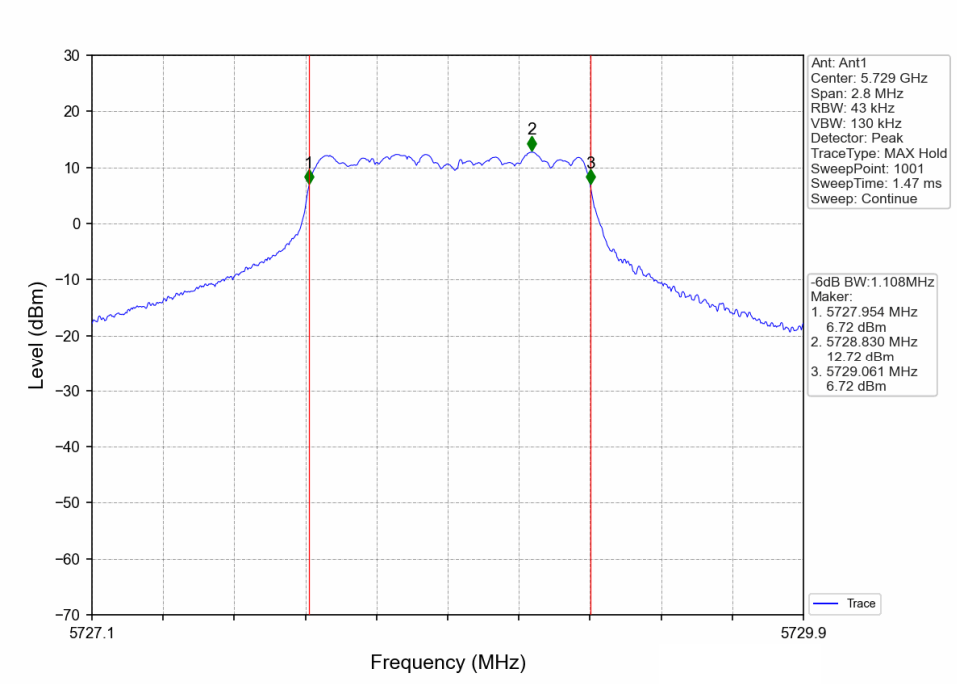
Remark: Antenna 1,2,3,4 were tested. Only the worst case(Antenna 1) was recorded in the report.

ENV	Mode	TX Type	Frequency (MHz)	Ant	6dB Bandwidth (MHz)	Limit	Verdict
NTNV	1.4MHz BW	MIMO	5728.5	1	1.11	>=0.5	Pass
			5786.5	1	1.11	>=0.5	Pass
			5846.5	1	1.11	>=0.5	Pass
	1.4MHz CA BW	MIMO	5730.12	1	1.11	>=0.5	Pass
			5788.12	1	1.11	>=0.5	Pass
			5848.12	1	1.11	>=0.5	Pass
	3MHz BW	MIMO	5727.5	1	2.18	>=0.5	Pass
			5784.5	1	2.18	>=0.5	Pass
			5844.5	1	2.18	>=0.5	Pass
	3MHz CA BW	MIMO	5730.2	1	2.18	>=0.5	Pass
			5787.2	1	2.18	>=0.5	Pass
			5847.2	1	2.18	>=0.5	Pass
	10MHz BW	MIMO	5730.5	1	8.93	>=0.5	Pass
			5787.5	1	8.84	>=0.5	Pass
			5844.5	1	8.85	>=0.5	Pass
	20MHz BW	MIMO	5735.5	1	17.46	>=0.5	Pass
			5787.5	1	18.05	>=0.5	Pass
			5839.5	1	17.93	>=0.5	Pass
	40MHz BW	MIMO	5745.5	1	35.77	>=0.5	Pass
			5787.5	1	35.74	>=0.5	Pass
			5829.5	1	34.90	>=0.5	Pass

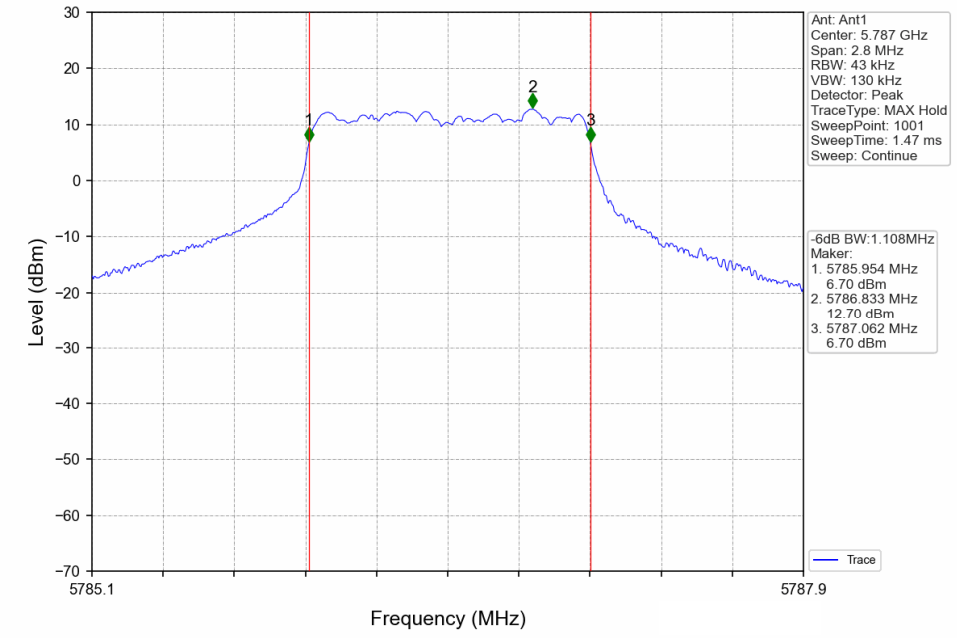
Remark: Antenna 1+2,1+4,2+3 and 3+4 were tested. Only the worst case(Antenna 1+2) was recorded in the report.

2.2.2 Test Graph

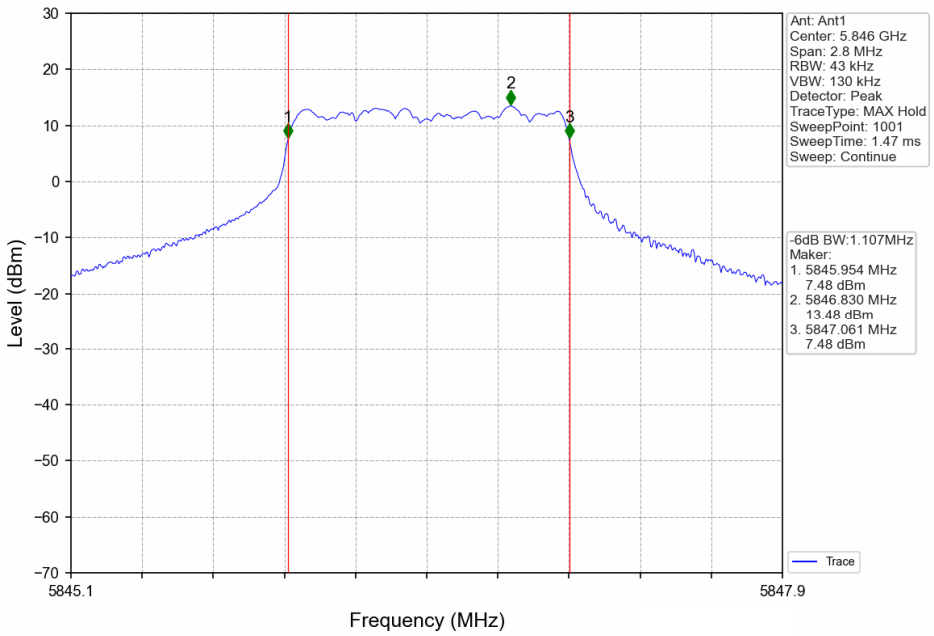
1.4MHz BW_LCH_5728.5MHz_Ant1_NTNV



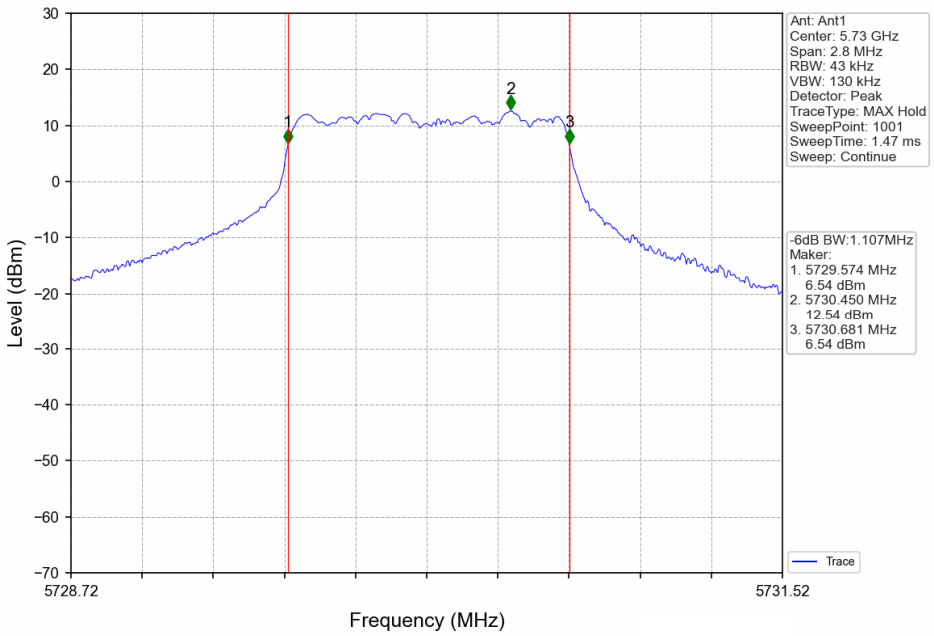
1.4MHz BW_MCH_5786.5MHz_Ant1_NTNV



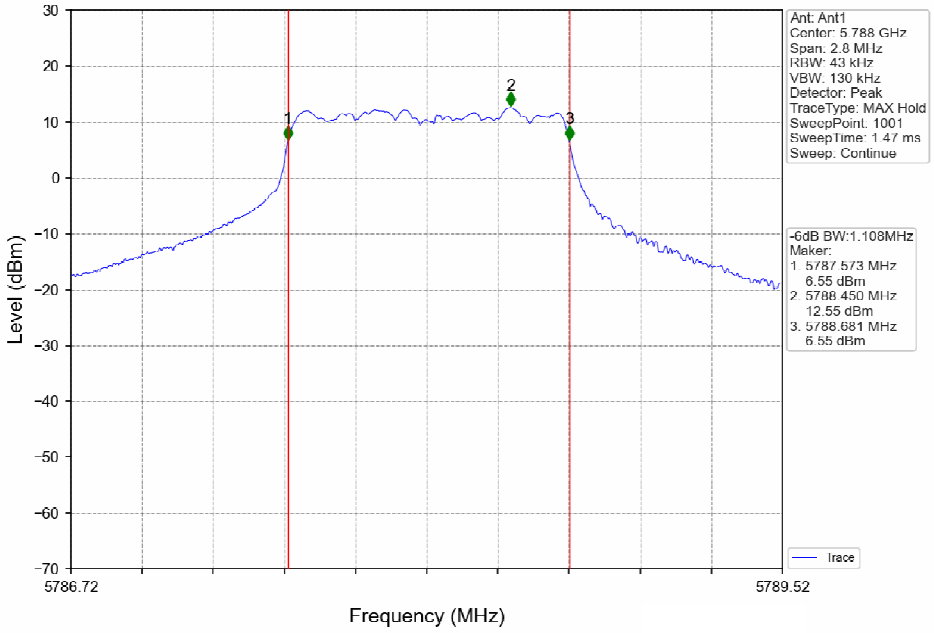
1.4MHz BW_HCH_5846.5MHz_Ant1_NTNV



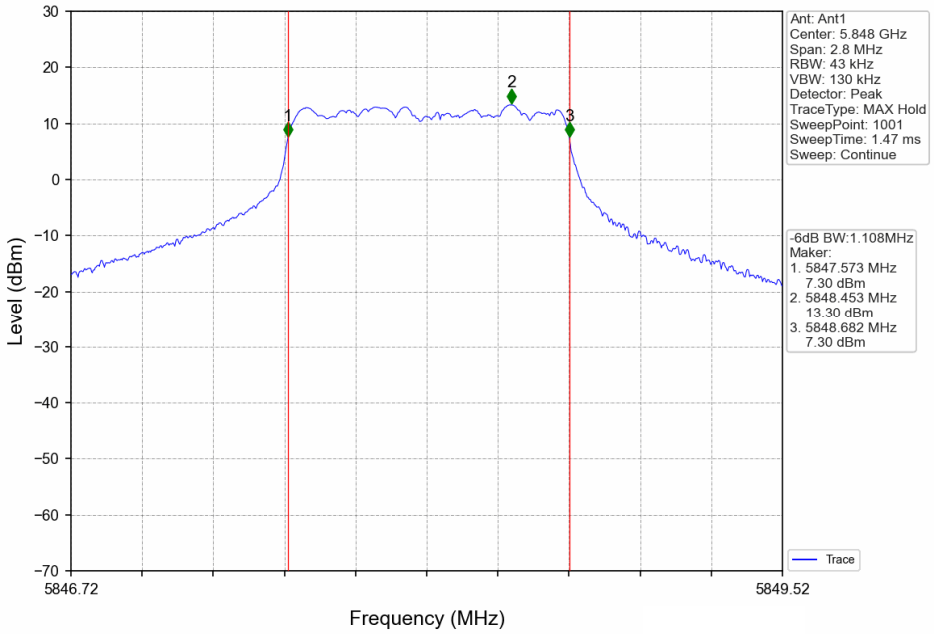
1.4MHz CA BW_LCH_5730.12MHz_Ant1_NTNV



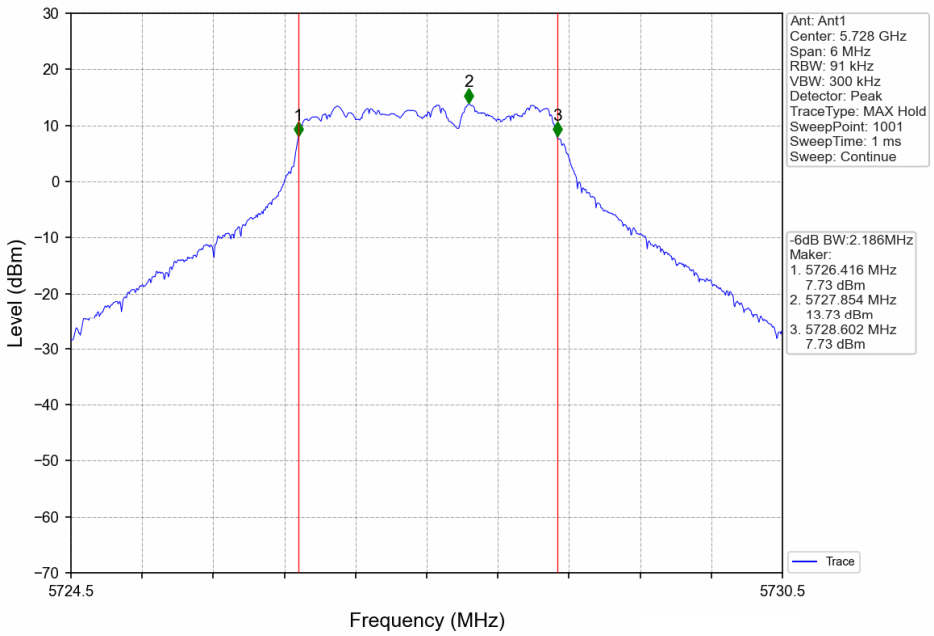
1.4MHz CA BW_MCH_5788.12MHz_Ant1_NTNV



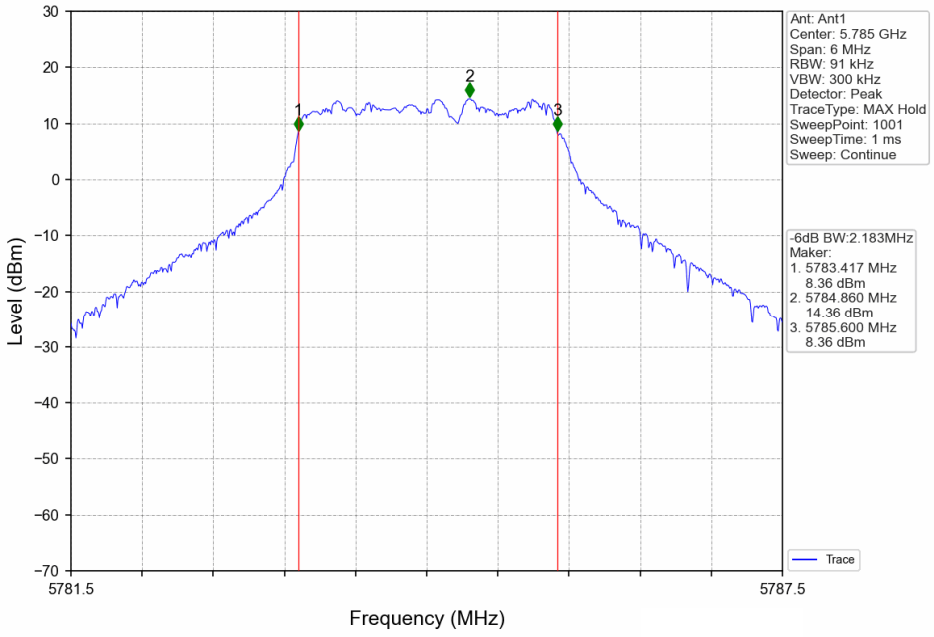
1.4MHz CA BW_HCH_5848.12MHz_Ant1_NTNV



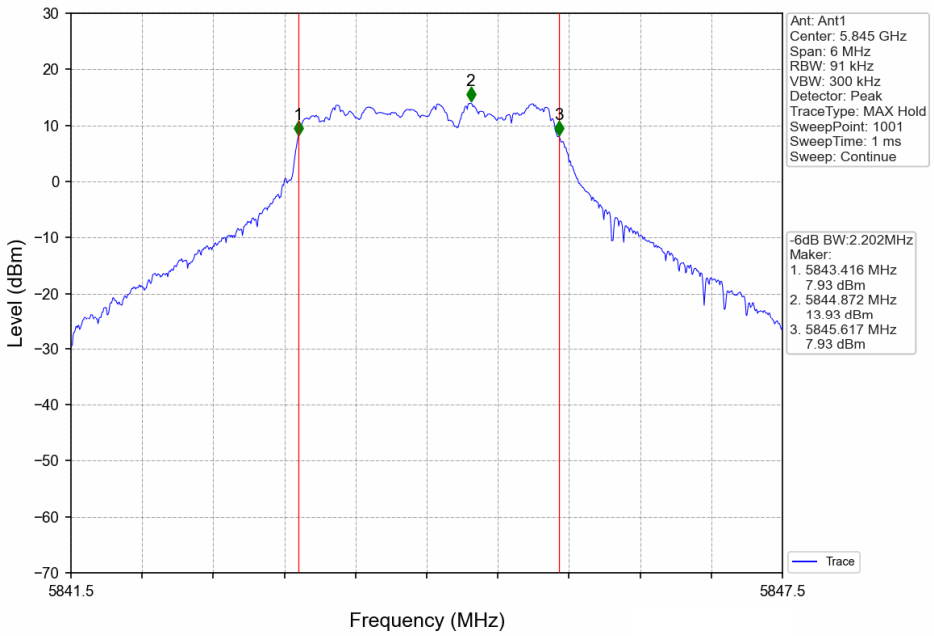
3MHz BW_LCH_5727.5MHz_Ant1_NTNV



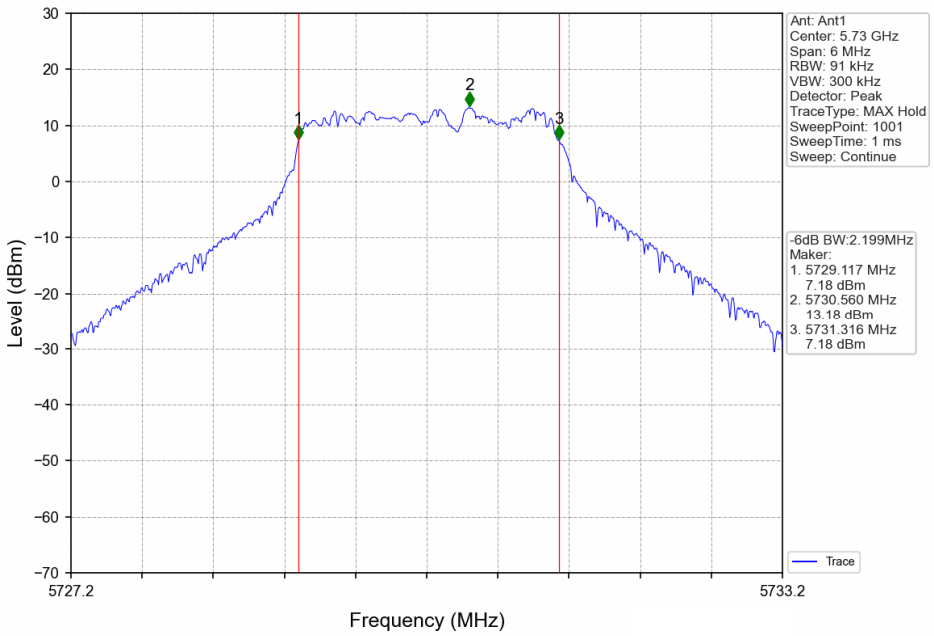
3MHz BW_MCH_5784.5MHz_Ant1_NTNV



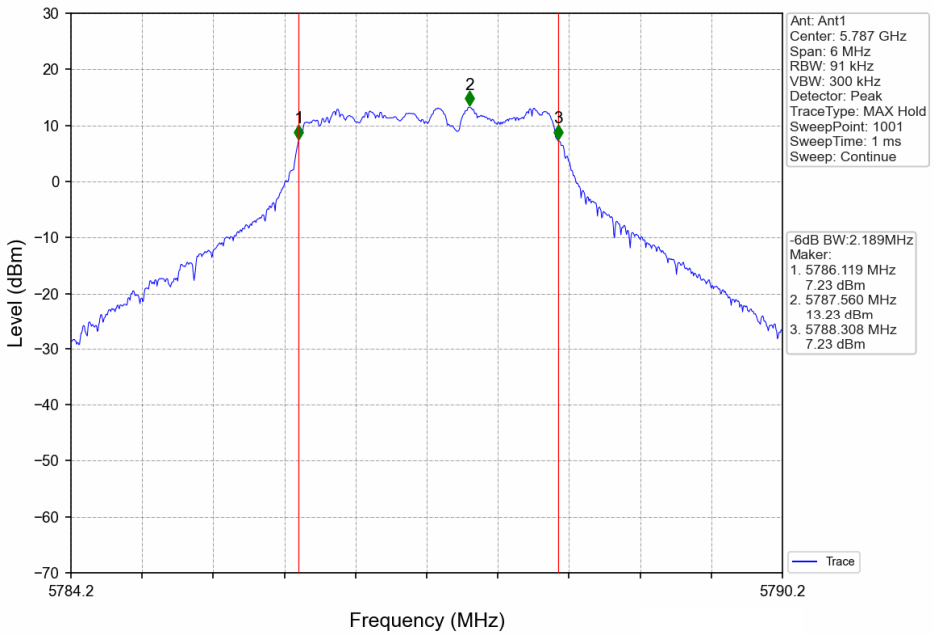
3MHz BW_HCH_5844.5MHz_Ant1_NTNV



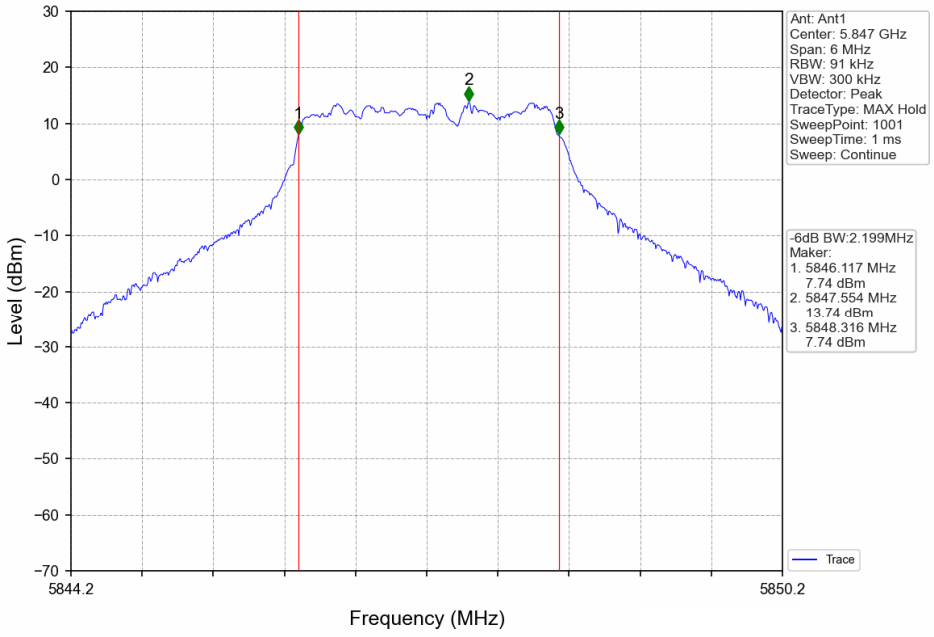
3MHz CA BW_LCH_5730.2MHz_Ant1_NTNV



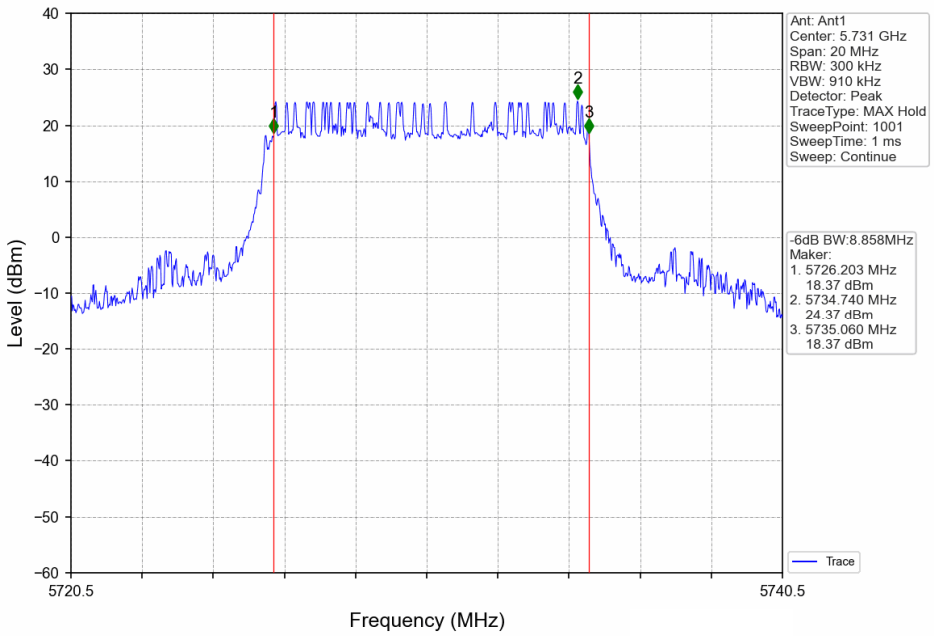
3MHz CA BW_MCH_5787.2MHz_Ant1_NTNV



3MHz CA BW_HCH_5847.2MHz_Ant1_NTNV



10MHz BW_LCH_5730.5MHz_Ant1_NTNV



10MHz BW_MCH_5787.5MHz_Ant1_NTNV