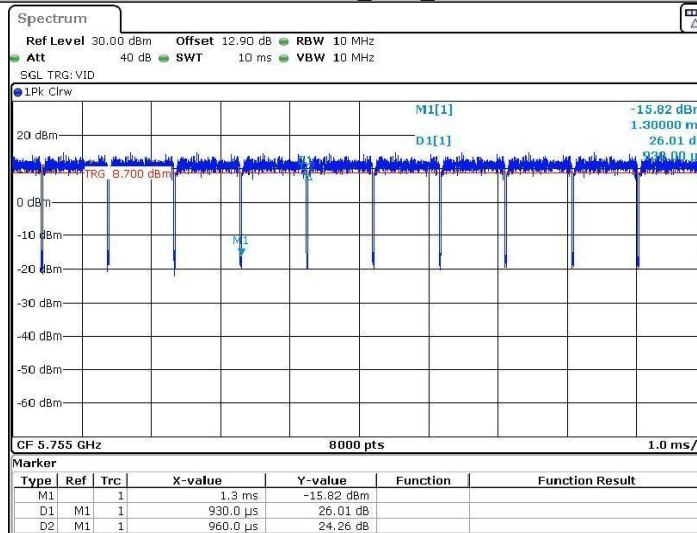
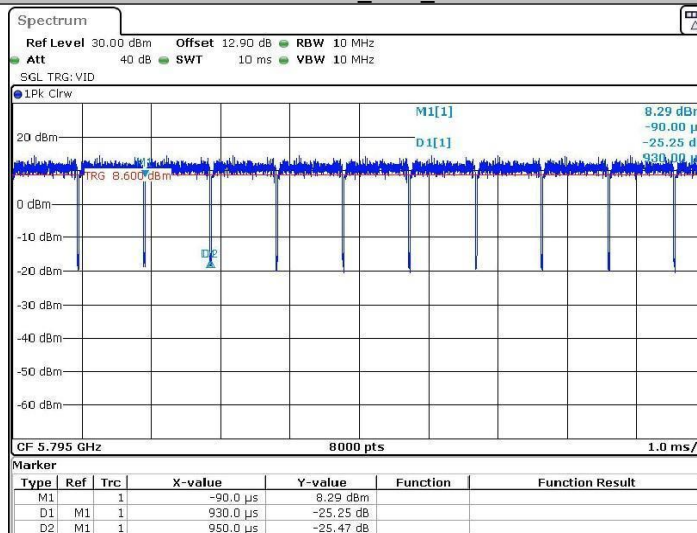


11N40SISO_Ant1_5755



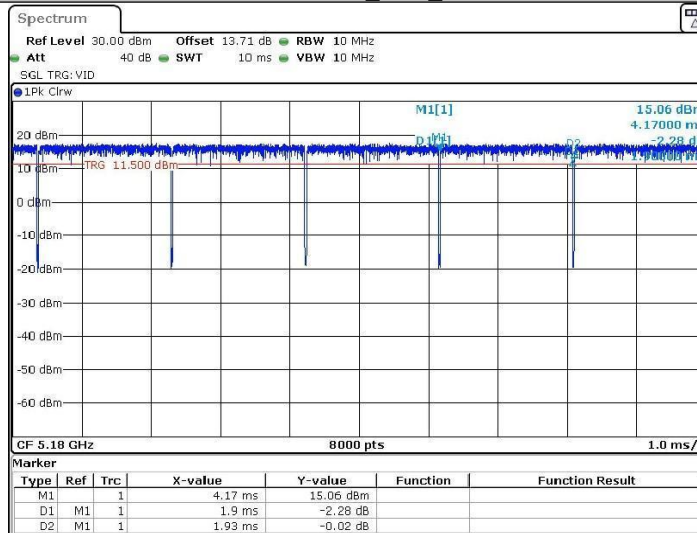
Date: 6 AUG 2022 11:14:39

11N40SISO_Ant1_5795



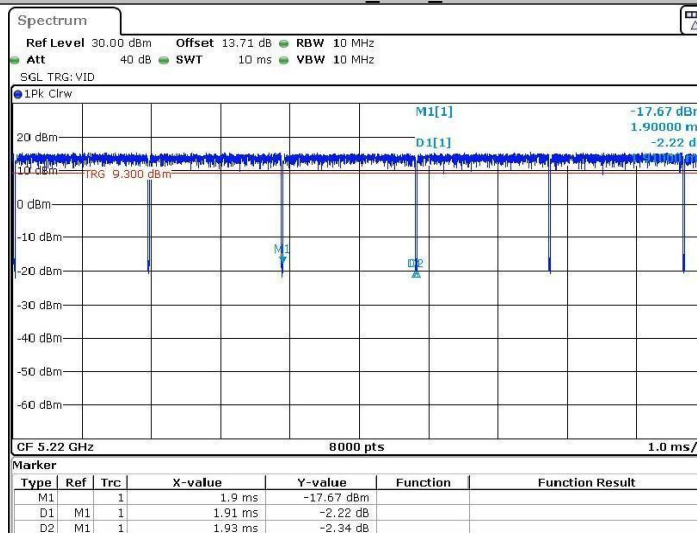
Date: 6 AUG 2022 11:21:47

11AC20SISO_Ant1_5180



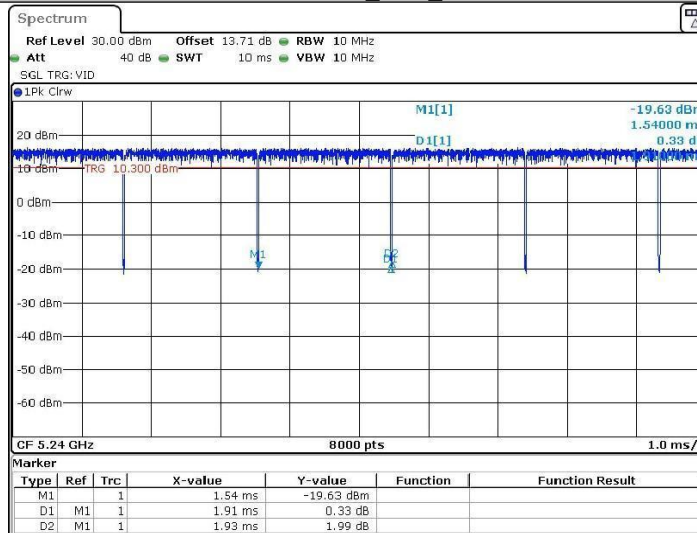
Date: 6 AUG.2022 11:27:58

11AC20SISO_Ant1_5220



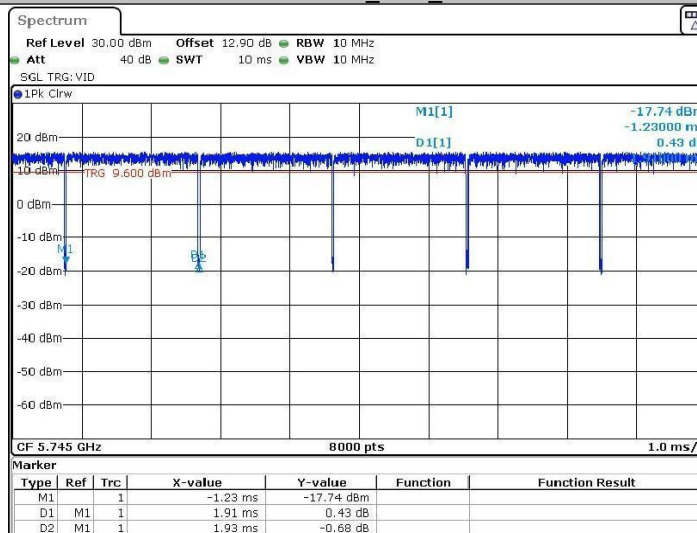
Date: 6 AUG.2022 11:34:11

11AC20SISO_Ant1_5240



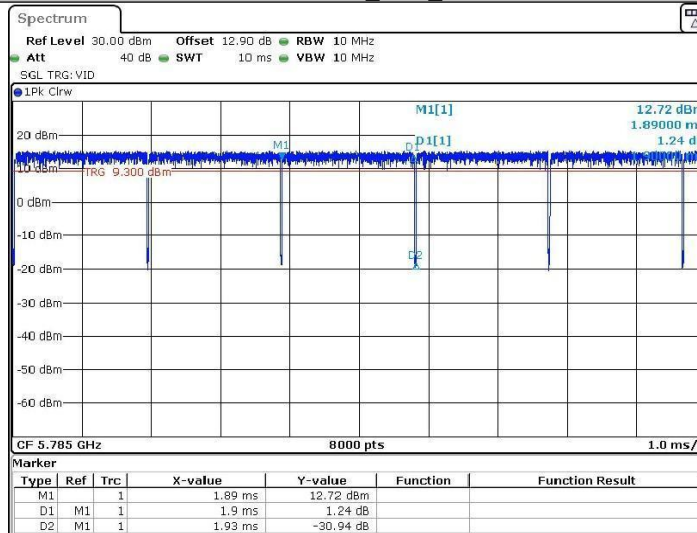
Date: 6 AUG.2022 11:38:33

11AC20SISO_Ant1_5745



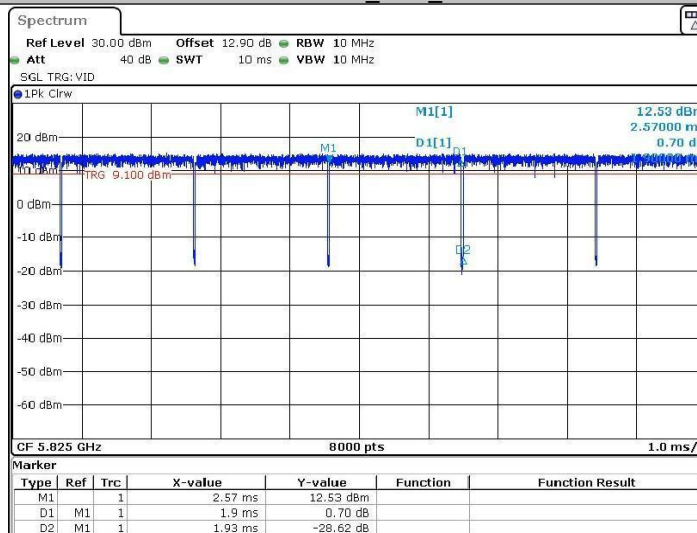
Date: 6 AUG.2022 11:44:24

11AC20SISO_Ant1_5785



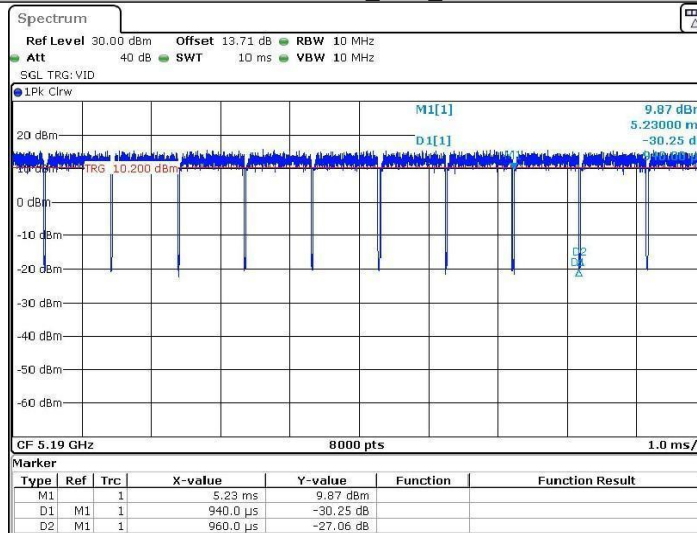
Date: 6 AUG.2022 11:51:06

11AC20SISO_Ant1_5825



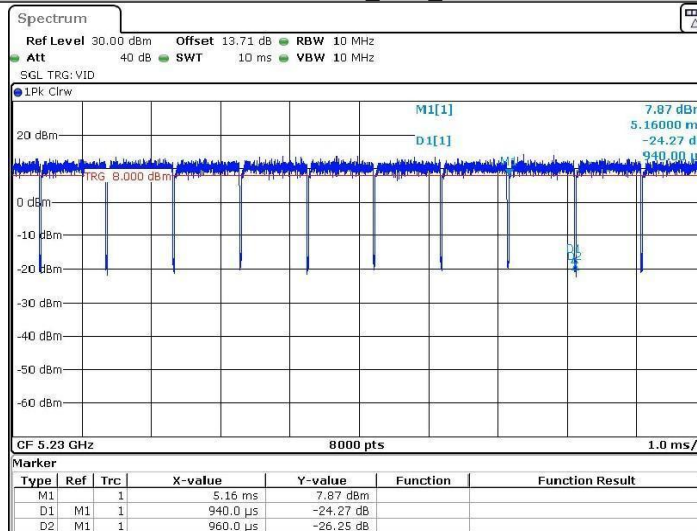
Date: 6 AUG.2022 11:55:52

11AC40SISO_Ant1_5190



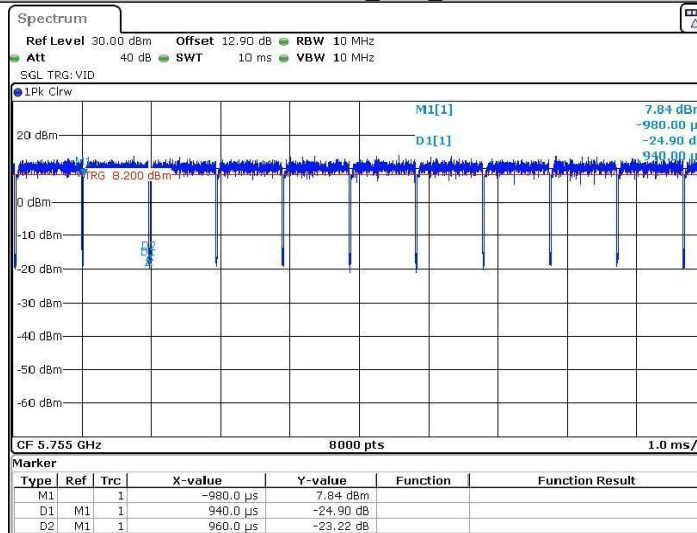
Date: 6 AUG.2022 12:01:15

11AC40SISO_Ant1_5230



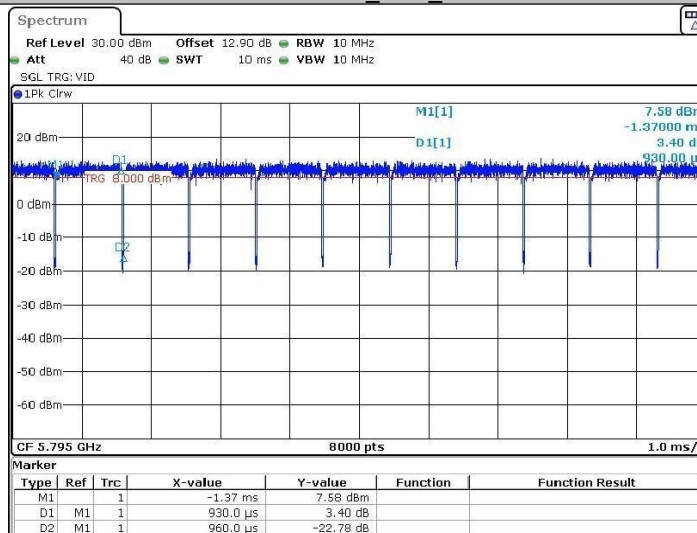
Date: 6 AUG.2022 12:06:43

11AC40SISO_Ant1_5755



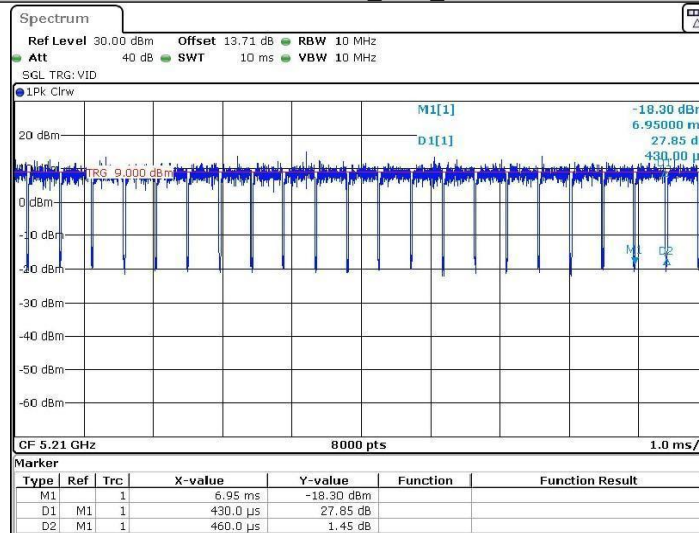
Date: 6 AUG.2022 12:14:26

11AC40SISO_Ant1_5795



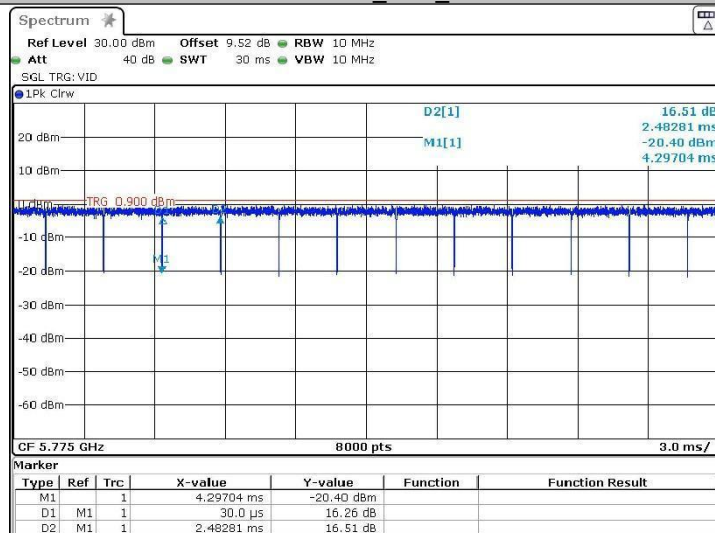
Date: 6 AUG.2022 12:20:13

11AC80SISO_Ant1_5210



Date: 6 AUG.2022 12:25:38

11AC80SISO_Ant1_5775



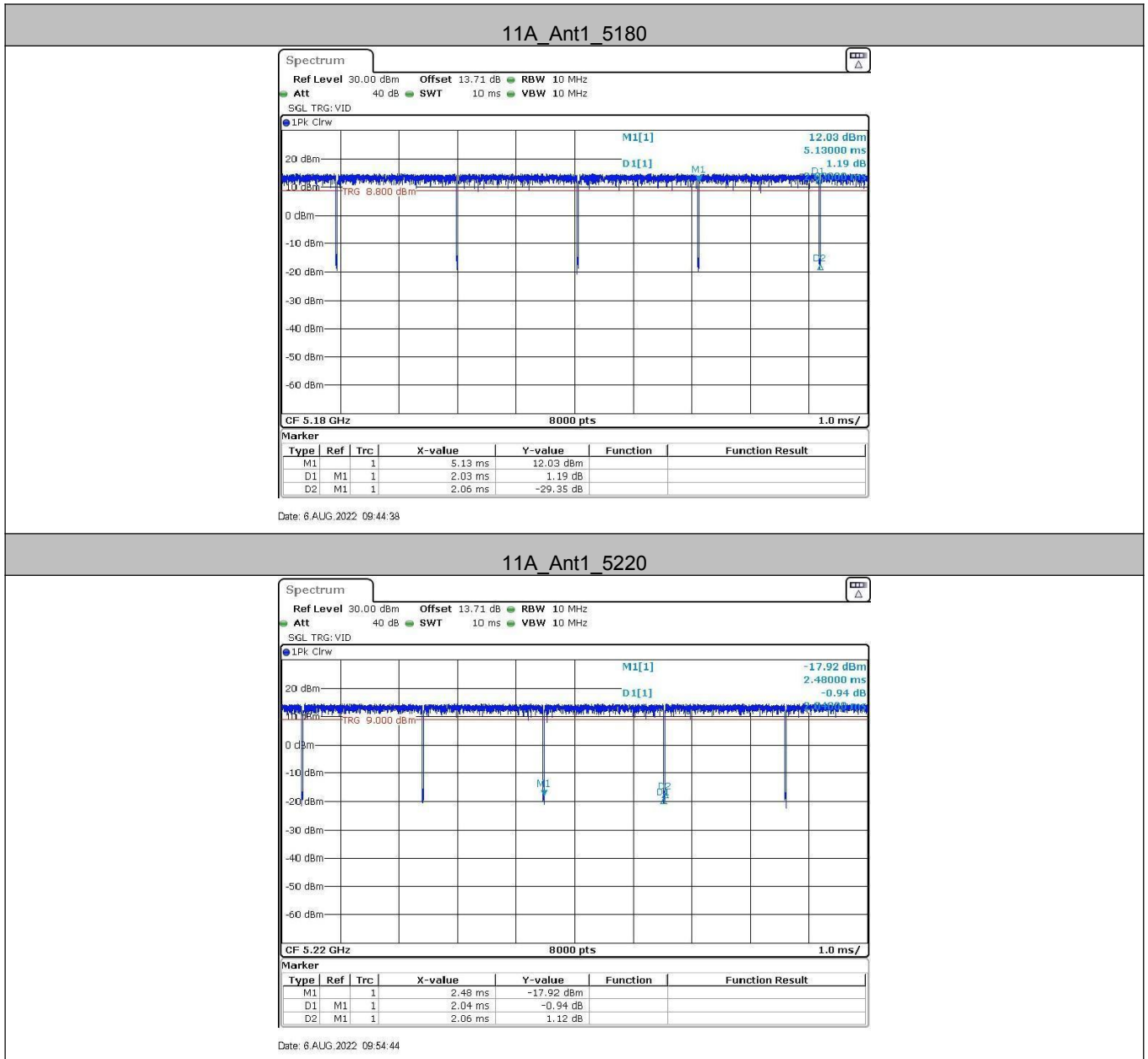
Date: 15 AUG.2022 14:22:55

Ant2

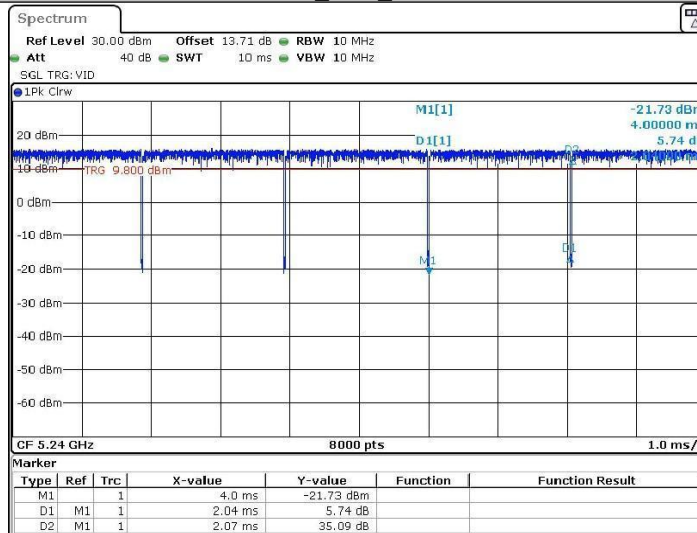
Measurement Data

Test Mode	Antenna	Channel	Duty Cycle[%]	10log(1/x) Factor[dB]
11A	Ant1	5180	98.54	0.06
11A	Ant1	5220	99.03	0.04
11A	Ant1	5240	98.55	0.06
11A	Ant1	5745	98.55	0.06
11A	Ant1	5785	98.55	0.06
11A	Ant1	5825	99.03	0.04
11N20	Ant1	5180	98.96	0.05
11N20	Ant1	5220	98.96	0.05
11N20	Ant1	5240	98.44	0.07
11N20	Ant1	5745	98.44	0.07
11N20	Ant1	5785	98.44	0.07
11N20	Ant1	5825	98.45	0.07
11N40	Ant1	5190	96.88	0.14
11N40	Ant1	5230	96.88	0.14
11N40	Ant1	5755	96.88	0.14
11N40	Ant1	5795	97.89	0.09
11AC20	Ant1	5180	98.45	0.07
11AC20	Ant1	5220	98.96	0.05
11AC20	Ant1	5240	98.96	0.05
11AC20	Ant1	5745	98.96	0.05
11AC20	Ant1	5785	98.45	0.07
11AC20	Ant1	5825	98.45	0.07
11AC40	Ant1	5190	97.92	0.09
11AC40	Ant1	5230	97.92	0.09
11AC40	Ant1	5755	97.92	0.09
11AC40	Ant1	5795	96.88	0.14
11AC80	Ant1	5210	93.48	0.29
11AC80	Ant1	5775	98.91	0.05

Test Graphs

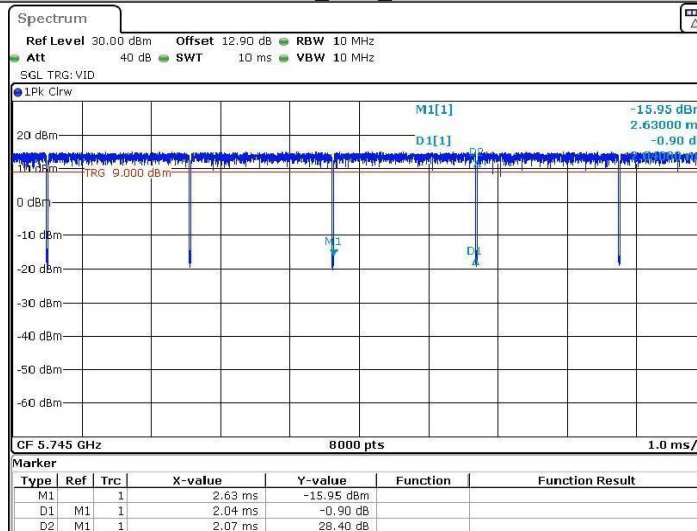


11A_Ant1_5240



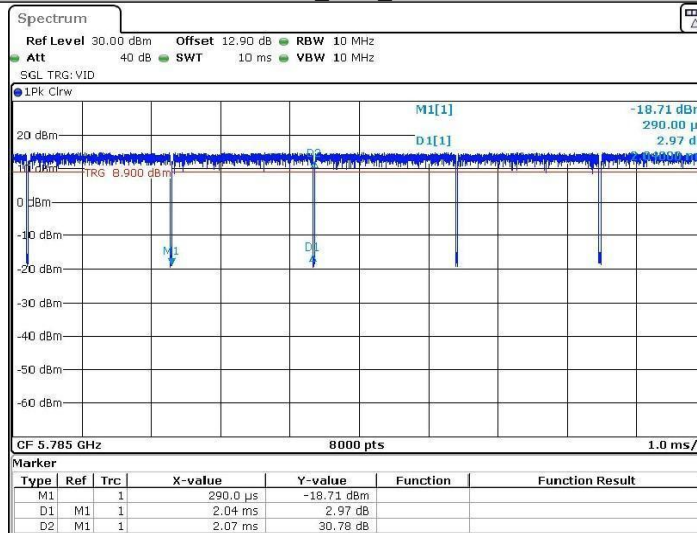
Date: 6 AUG.2022 10:00:33

11A_Ant1_5745



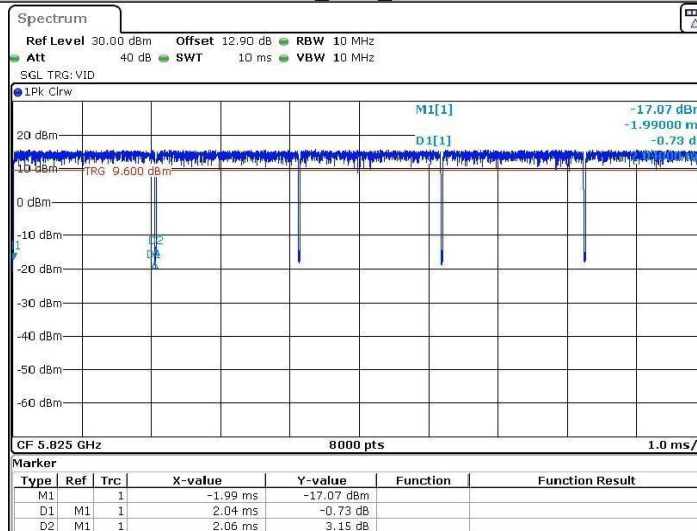
Date: 6 AUG.2022 10:07:24

11A_Ant1_5785



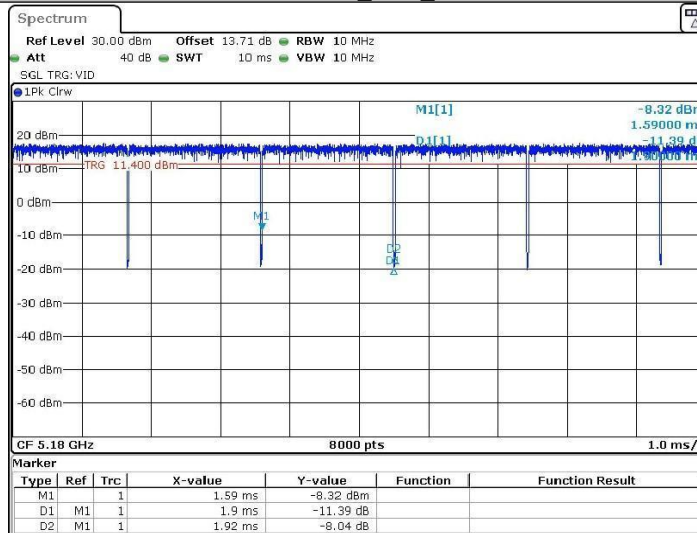
Date: 6 AUG.2022 10:14:08

11A_Ant1_5825



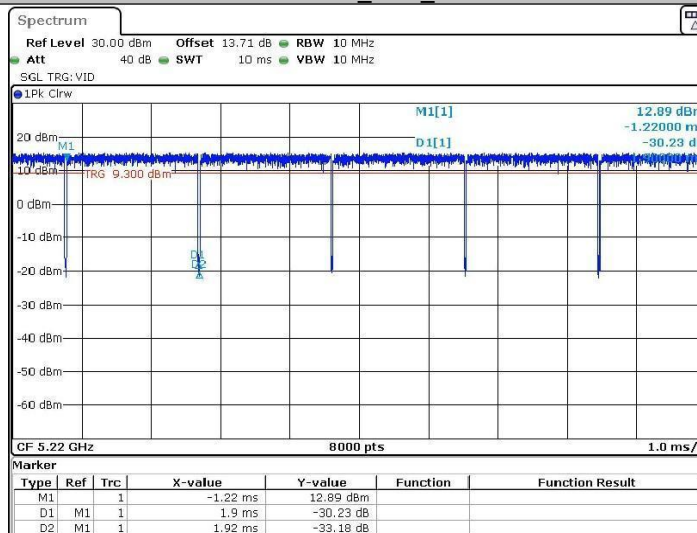
Date: 6 AUG.2022 10:20:10

11N20SISO_Ant1_5180



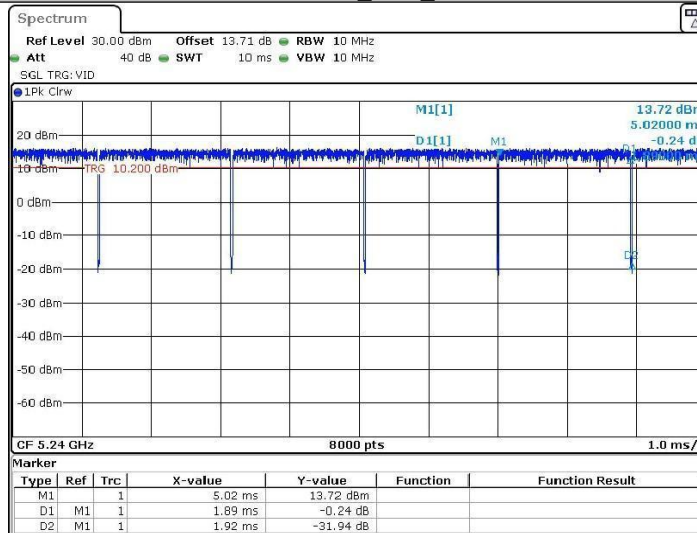
Date: 6 AUG.2022 10:26:08

11N20SISO_Ant1_5220



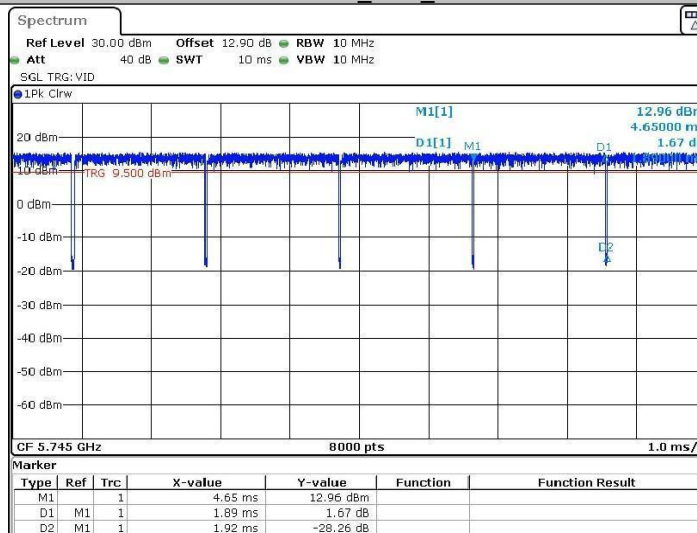
Date: 6 AUG.2022 10:31:55

11N20SISO_Ant1_5240



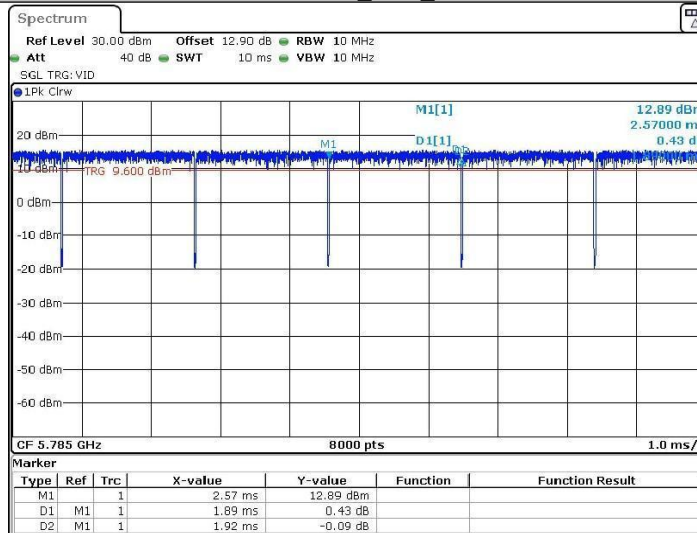
Date: 6 AUG.2022 10:36:23

11N20SISO_Ant1_5745



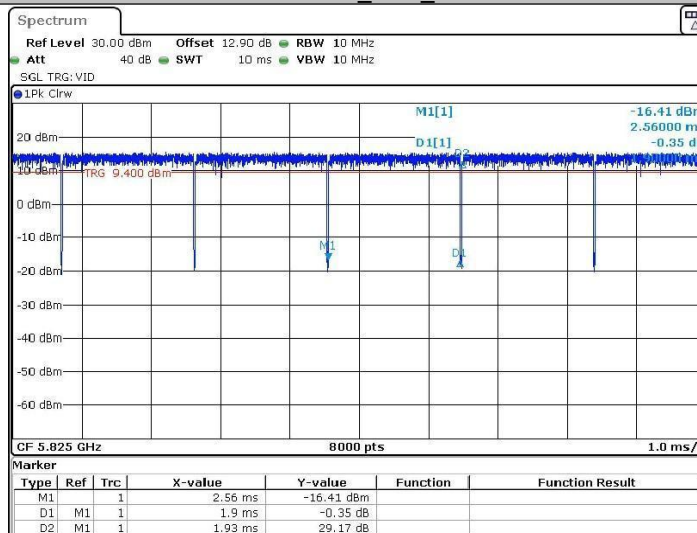
Date: 6 AUG.2022 10:42:35

11N20SISO_Ant1_5785



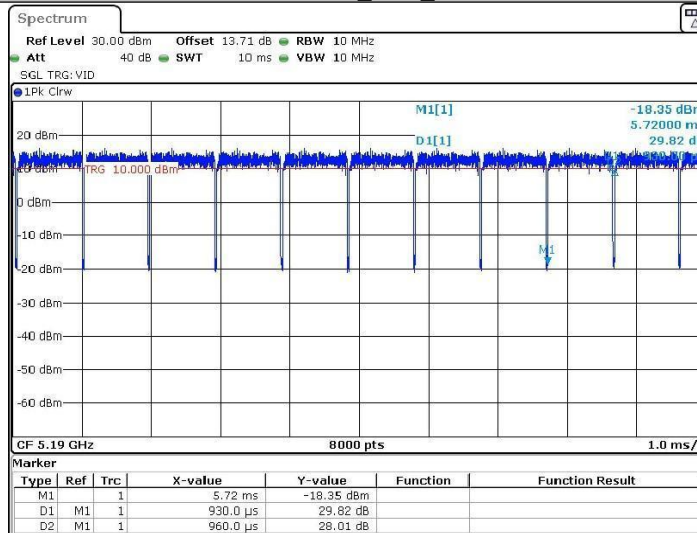
Date: 6 AUG.2022 10:48:46

11N20SISO_Ant1_5825



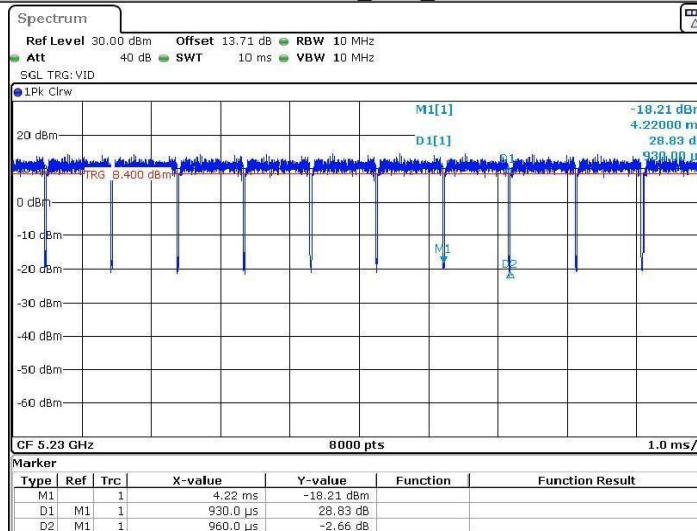
Date: 6 AUG.2022 10:53:21

11N40SISO_Ant1_5190



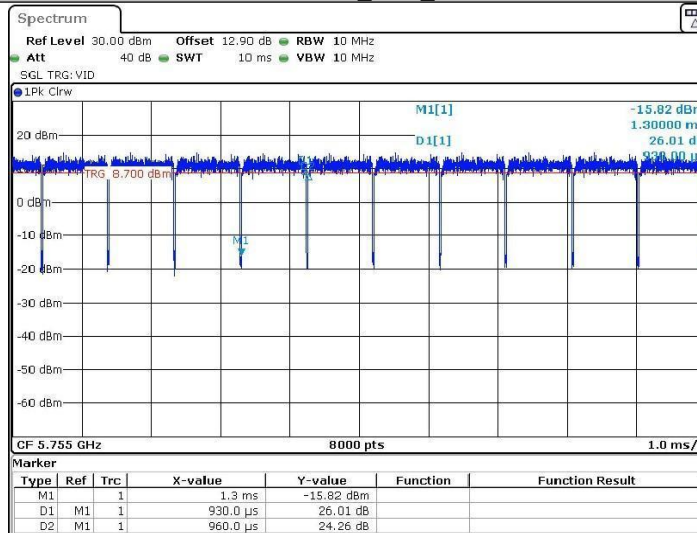
Date: 6 AUG.2022 10:59:19

11N40SISO_Ant1_5230



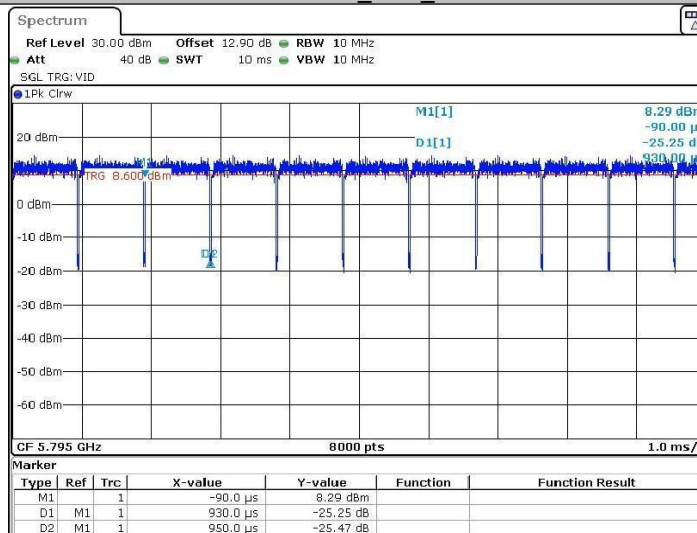
Date: 6 AUG.2022 11:04:58

11N40SISO_Ant1_5755



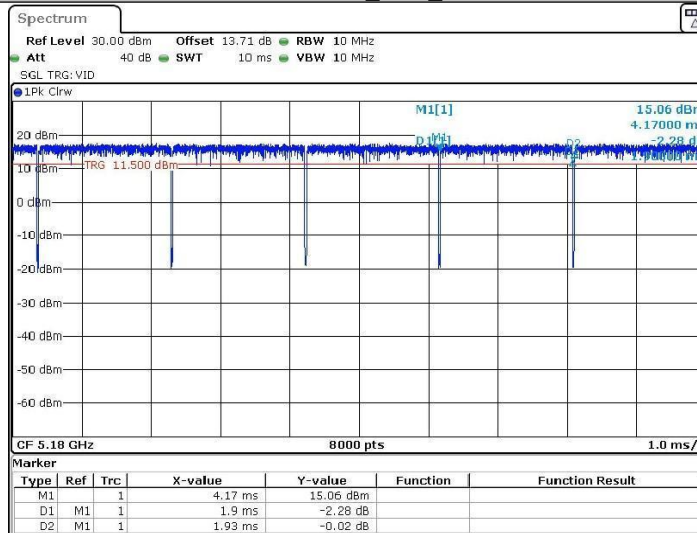
Date: 6 AUG 2022 11:14:39

11N40SISO_Ant1_5795



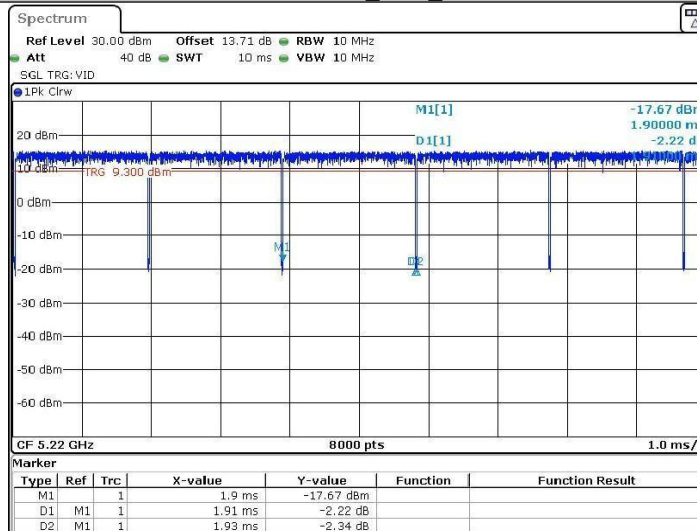
Date: 6 AUG 2022 11:21:47

11AC20SISO_Ant1_5180



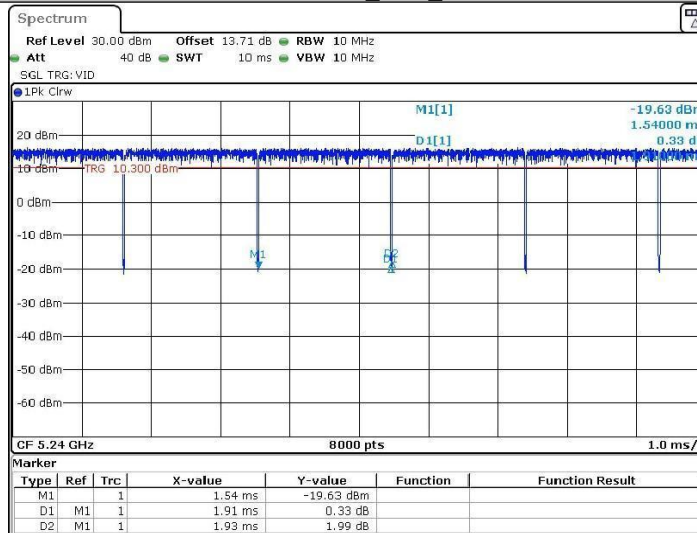
Date: 6 AUG.2022 11:27:58

11AC20SISO_Ant1_5220



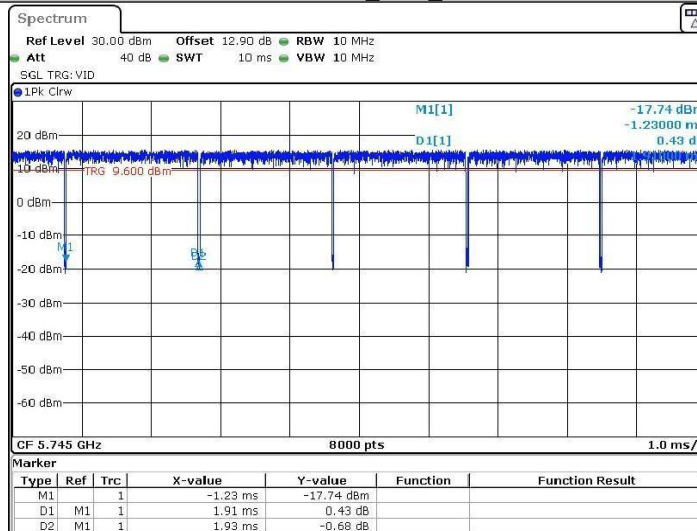
Date: 6 AUG.2022 11:34:11

11AC20SISO_Ant1_5240



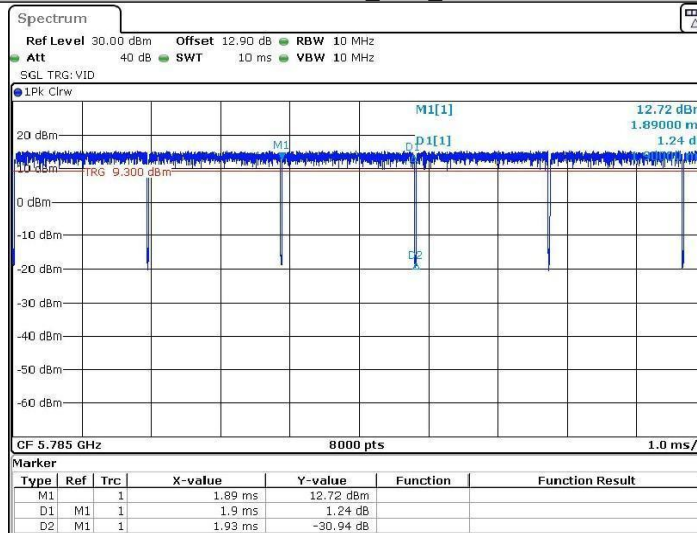
Date: 6 AUG.2022 11:38:33

11AC20SISO_Ant1_5745



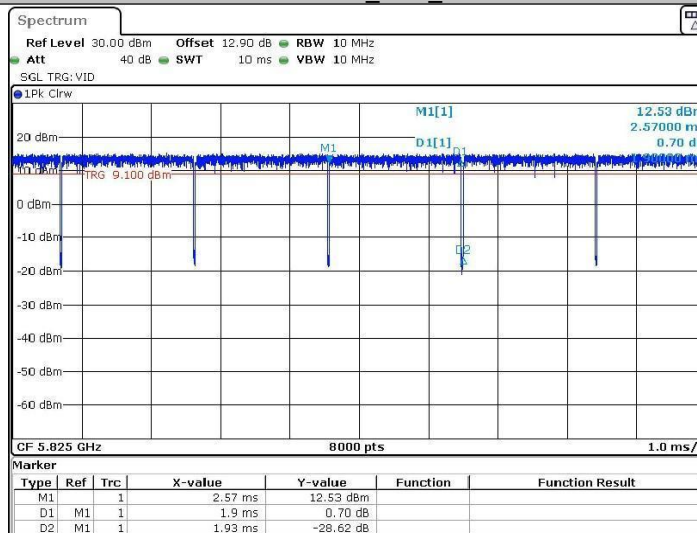
Date: 6 AUG.2022 11:44:24

11AC20SISO_Ant1_5785



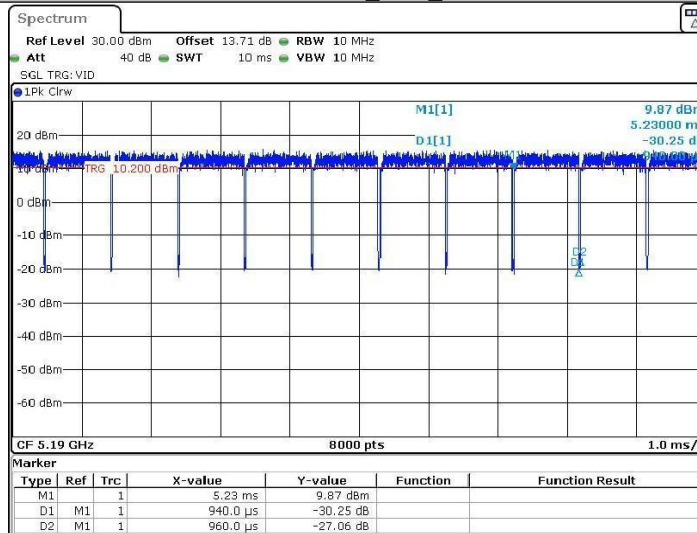
Date: 6 AUG.2022 11:51:06

11AC20SISO_Ant1_5825



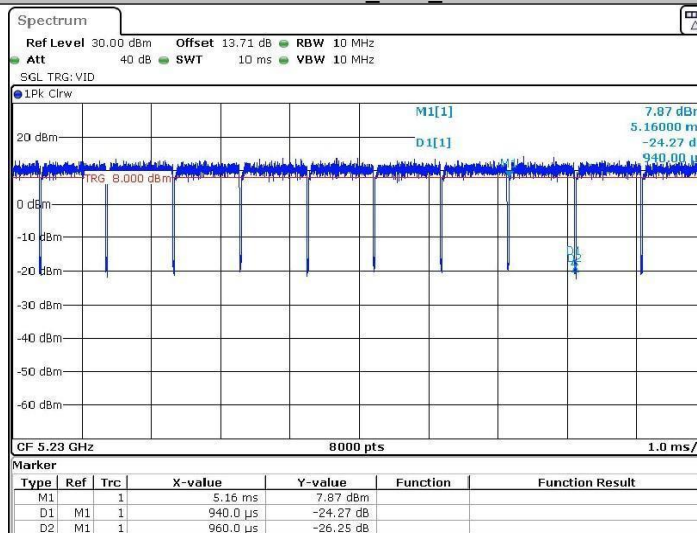
Date: 6 AUG.2022 11:55:52

11AC40SISO_Ant1_5190



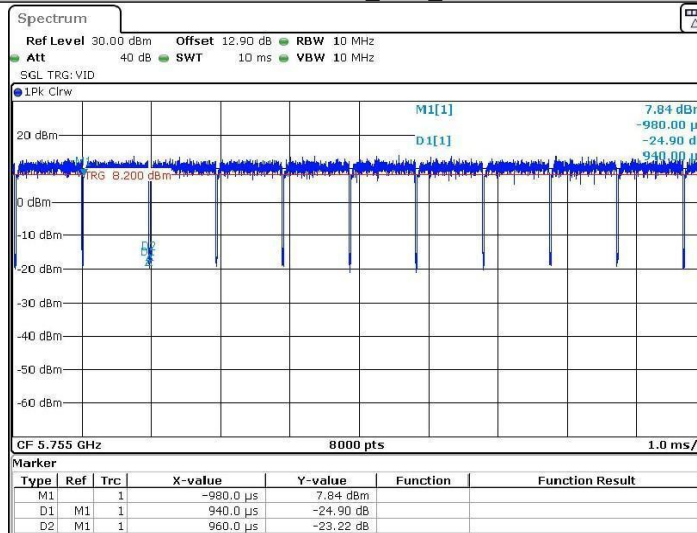
Date: 6 AUG.2022 12:01:15

11AC40SISO_Ant1_5230



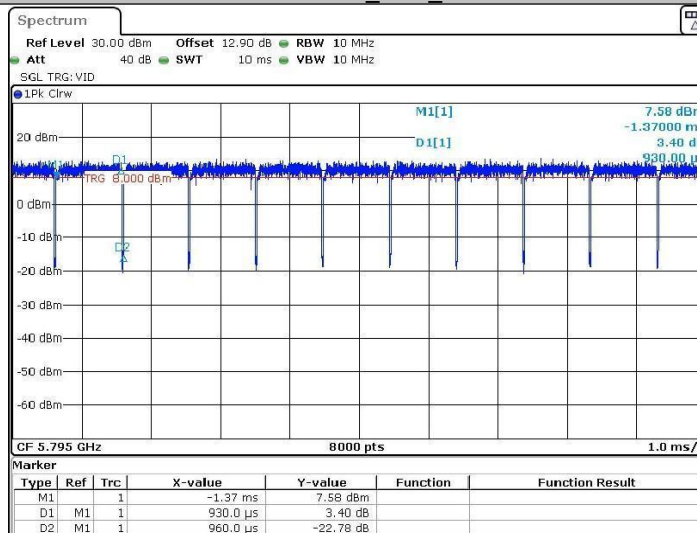
Date: 6 AUG.2022 12:06:43

11AC40SISO_Ant1_5755



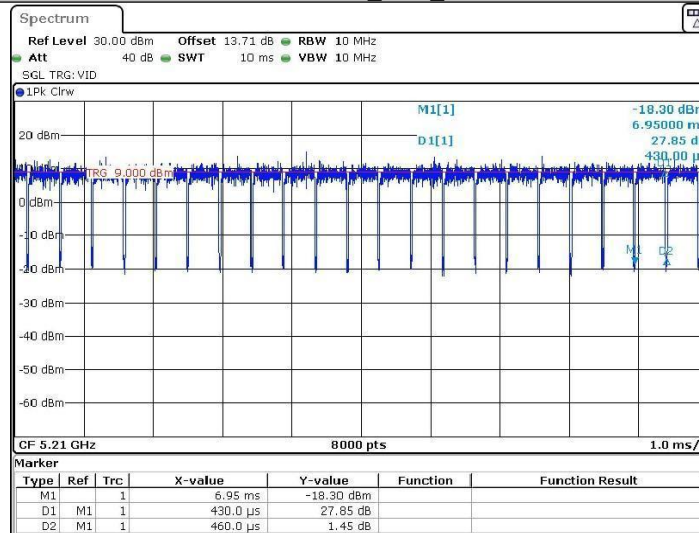
Date: 6 AUG.2022 12:14:26

11AC40SISO_Ant1_5795



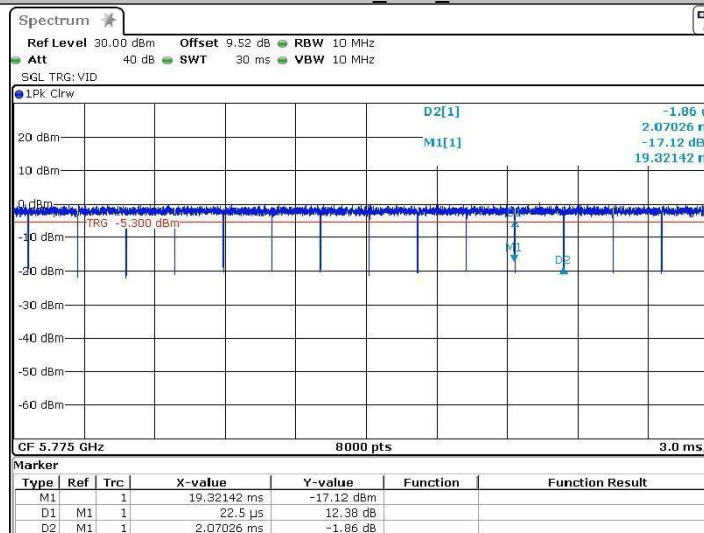
Date: 6 AUG.2022 12:20:13

11AC80SISO_Ant1_5210



Date: 6 AUG.2022 12:25:38

11AC80SISO_Ant1_5775



Date: 15 AUG.2022 14:28:34

2. Maximum Conducted Output Power

Test Requirement 47 CFR Part 15, Subpart C 15.407 (a)

Test Method: KDB 789033 D02 II E

Limit:

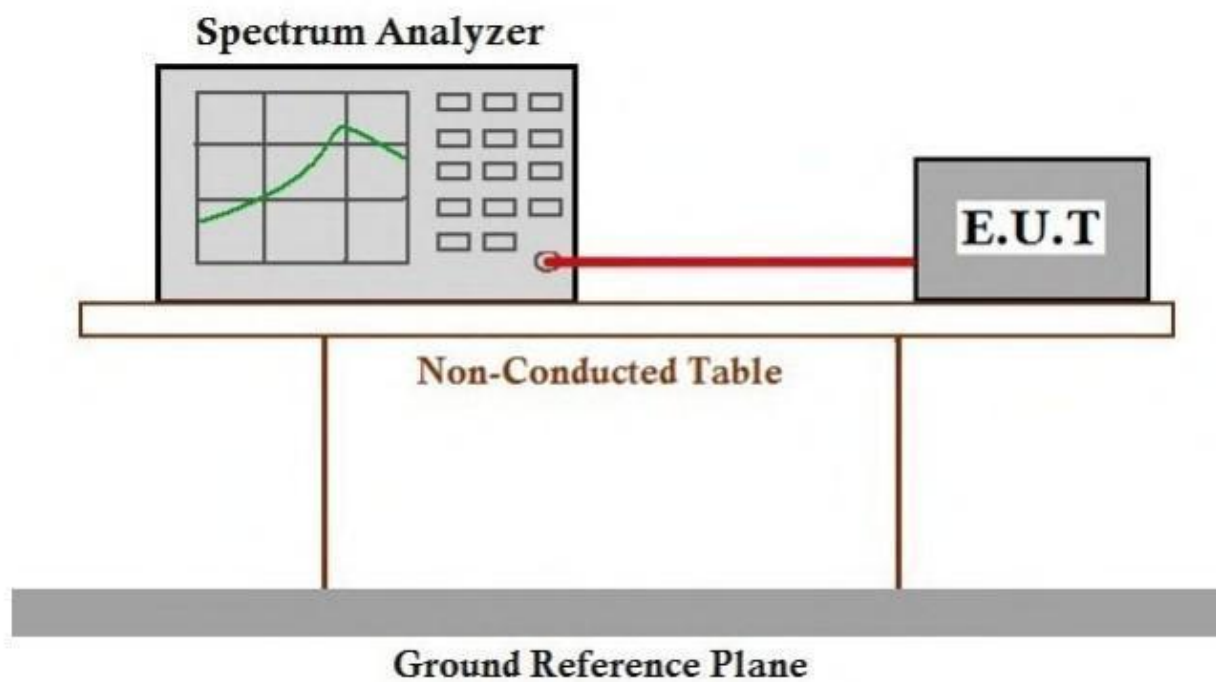
Frequency band(MHz)	Limit
5150-5250	$\leq 1\text{W}(30\text{dBm})$ for master device
	$\leq 250\text{mW}(24\text{dBm})$ for client device
5250-5350	$\leq 250\text{mW}(24\text{dBm})$ for client device or $11\text{dBm}+10\log B^*$
5470-5725	$\leq 250\text{mW}(24\text{dBm})$ for client device or $11\text{dBm}+10\log B^*$
5725-5850	$\leq 1\text{W}(30\text{dBm})$
Remark:	* Where B is the 26dB emission bandwidth in MHz. The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.

Test Procedure:

Method SA-2 (trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

- (1) Set RBW = 1 MHz.
- (2) Set VBW $\geq$ 3 MHz.
- (3) Detector = power average
- (4) Sweep time = auto.
- (5) Add duty cycle to the measured average power.

Test Setup Diagram



Ant1

Measurement Data

Test Mode	Antenna	Channel	Meas.Level [dBm]	Av.Power [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	10.38	10.44	24	PASS
11A	Ant1	5220	10.26	10.30	24	PASS
11A	Ant1	5240	11.46	11.52	24	PASS
11A	Ant1	5745	10.36	10.42	30	PASS
11A	Ant1	5785	10.07	10.13	30	PASS
11A	Ant1	5825	10.83	10.87	30	PASS
11N20	Ant1	5180	12.94	12.99	24	PASS
11N20	Ant1	5220	10.83	10.88	24	PASS
11N20	Ant1	5240	11.70	11.77	24	PASS
11N20	Ant1	5745	10.67	10.74	30	PASS
11N20	Ant1	5785	10.78	10.85	30	PASS
11N20	Ant1	5825	10.62	10.69	30	PASS
11N40	Ant1	5190	12.49	12.63	24	PASS
11N40	Ant1	5230	11.18	11.32	24	PASS
11N40	Ant1	5755	10.69	10.83	30	PASS
11N40	Ant1	5795	10.66	10.75	30	PASS
11AC20	Ant1	5180	13.05	13.12	24	PASS
11AC20	Ant1	5220	11.00	11.05	24	PASS
11AC20	Ant1	5240	11.75	11.80	24	PASS
11AC20	Ant1	5745	10.75	10.80	30	PASS
11AC20	Ant1	5785	10.50	10.57	30	PASS
11AC20	Ant1	5825	10.25	10.32	30	PASS
11AC40	Ant1	5190	12.38	12.47	24	PASS
11AC40	Ant1	5230	10.67	10.76	24	PASS
11AC40	Ant1	5755	10.02	10.11	30	PASS
11AC40	Ant1	5795	10.22	10.36	30	PASS
11AC80	Ant1	5210	11.64	11.93	24	PASS
11AC80	Ant1	5775	10.11	10.16	30	PASS

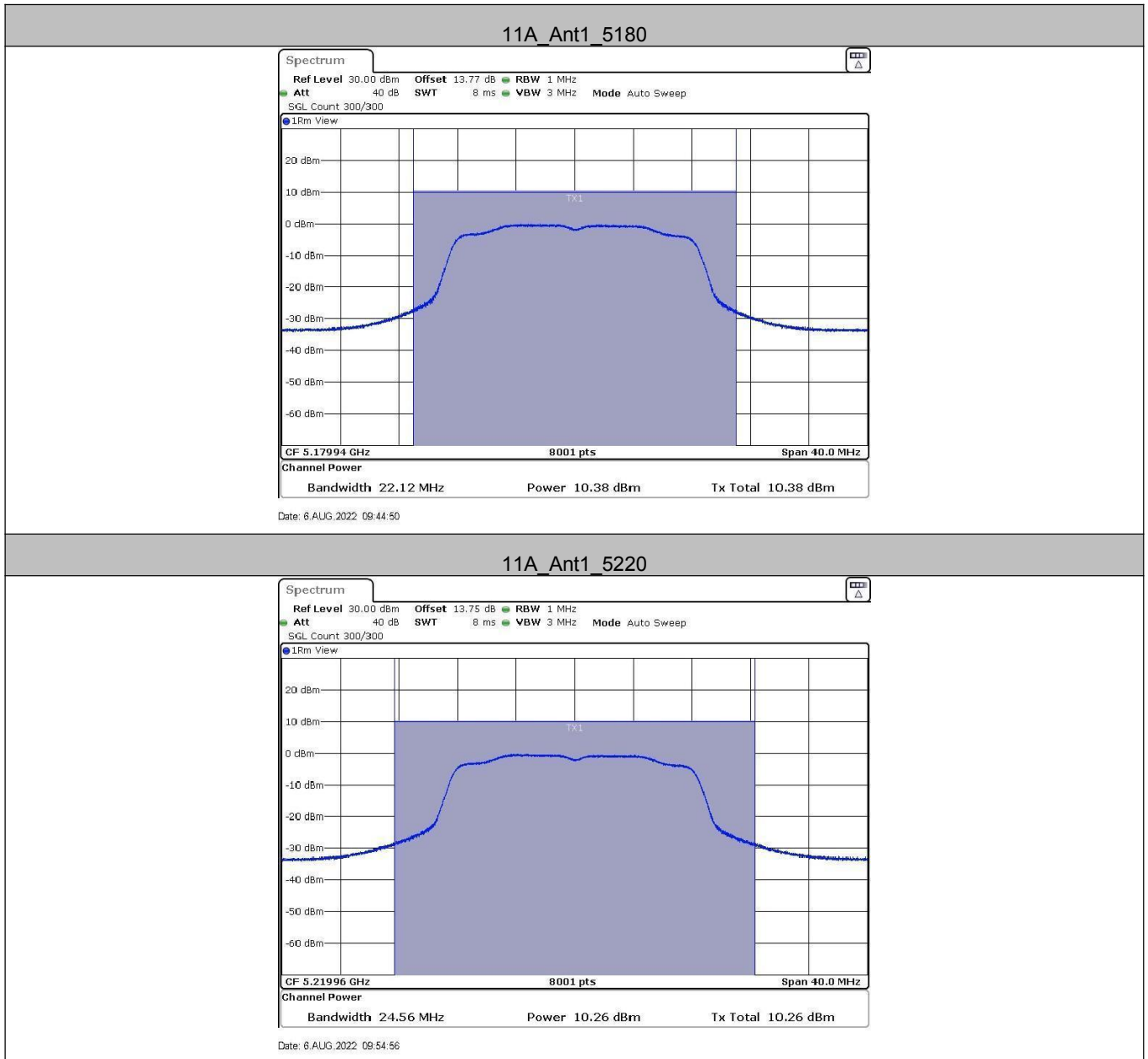
Remark:

Av.Power=Meas.Level+10 log (1/duty cycle)

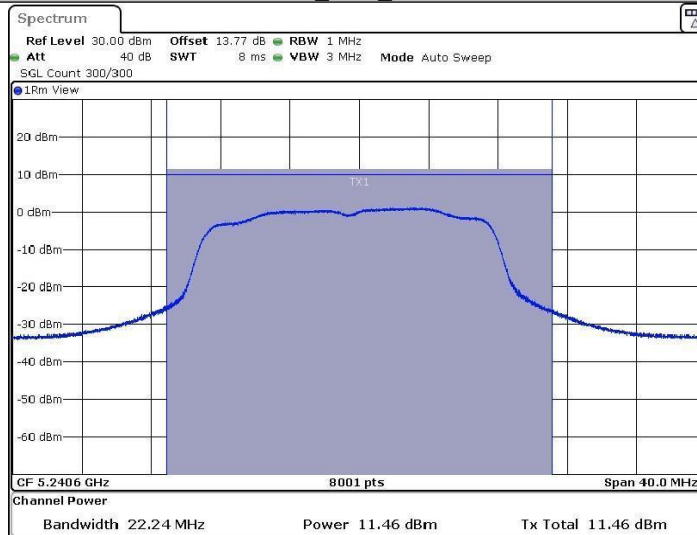
E.i.r.p=Av.Power+G,

G = antenna gain in dBi.

Test Graphs

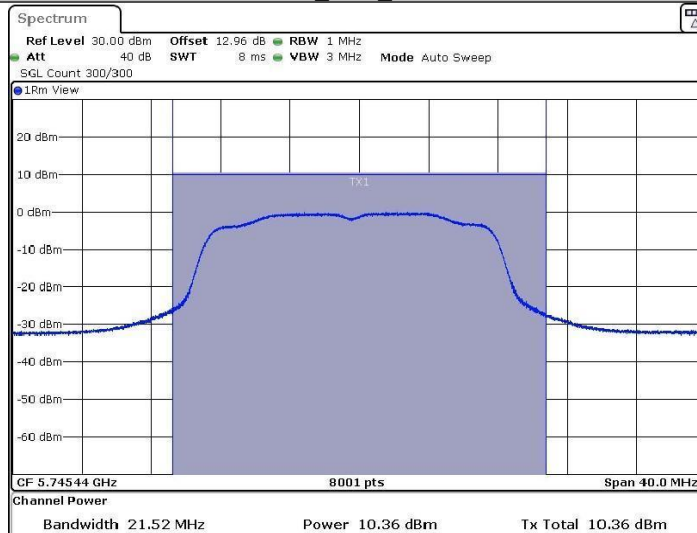


11A_Ant1_5240



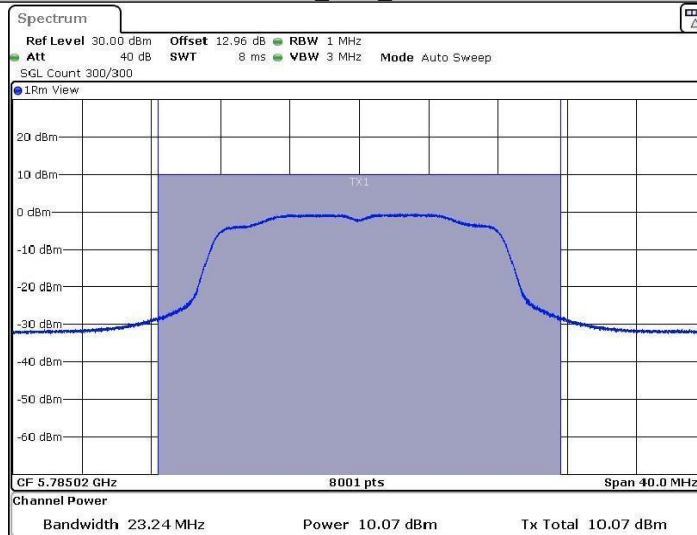
Date: 6.AUG.2022 10:00:45

11A_Ant1_5745



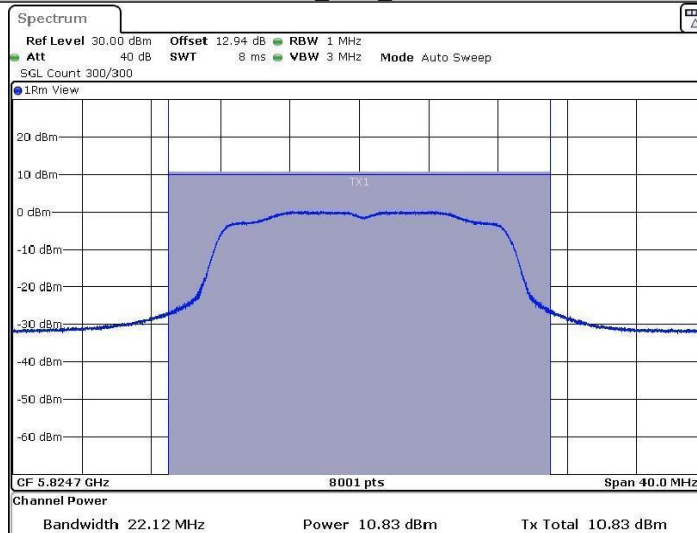
Date: 6.AUG.2022 10:07:36

11A_Ant1_5785



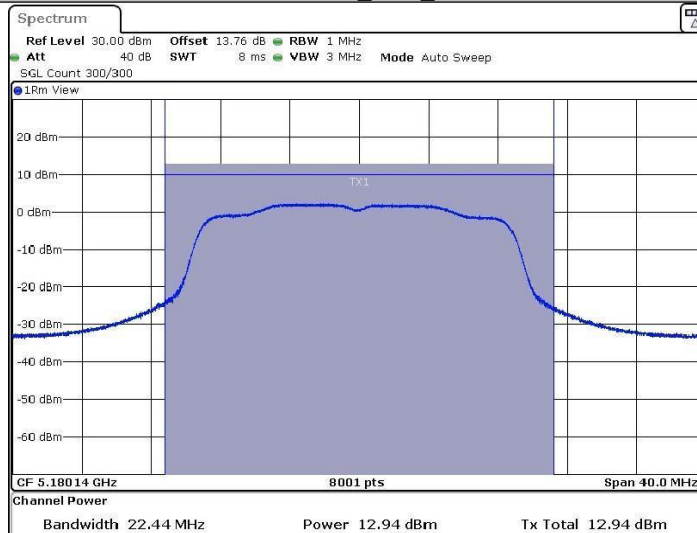
Date: 6.AUG.2022 10:14:20

11A_Ant1_5825



Date: 6.AUG.2022 10:20:22

11N20SISO_Ant1_5180



Date: 6.AUG.2022 10:26:20

11N20SISO_Ant1_5220



Date: 6.AUG.2022 10:32:07

11N20SISO_Ant1_5240



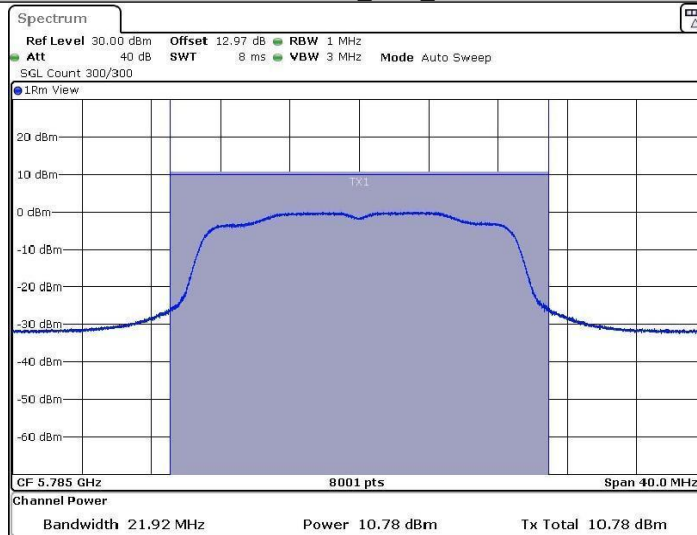
Date: 6.AUG.2022 10:36:35

11N20SISO_Ant1_5745



Date: 6.AUG.2022 10:42:47

11N20SISO_Ant1_5785



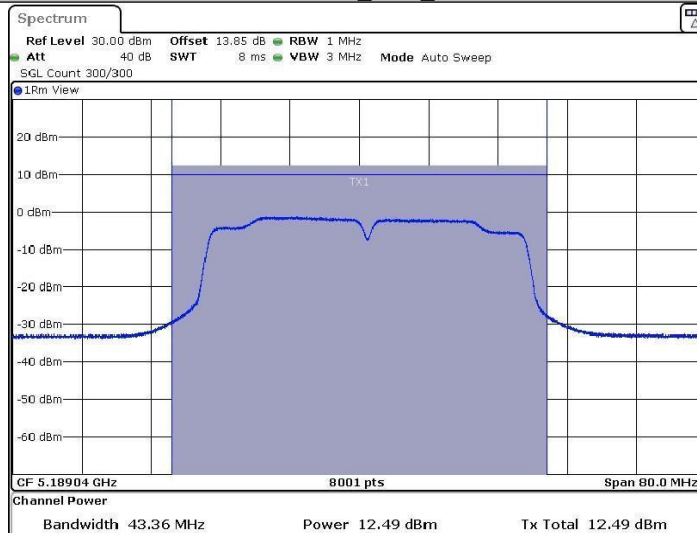
Date: 6.AUG.2022 10:48:58

11N20SISO_Ant1_5825



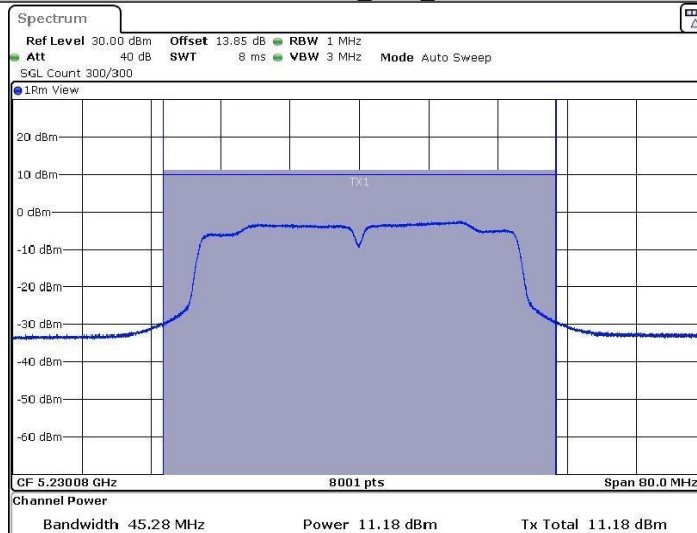
Date: 6.AUG.2022 10:53:33

11N40SISO_Ant1_5190



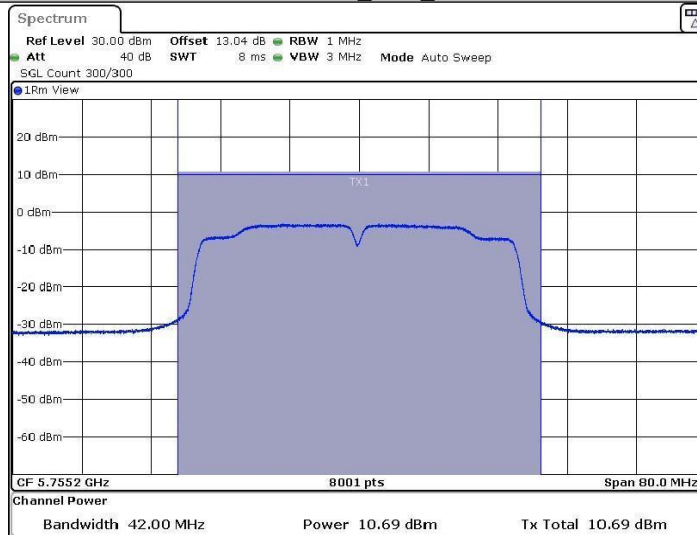
Date: 6.AUG.2022 10:59:31

11N40SISO_Ant1_5230



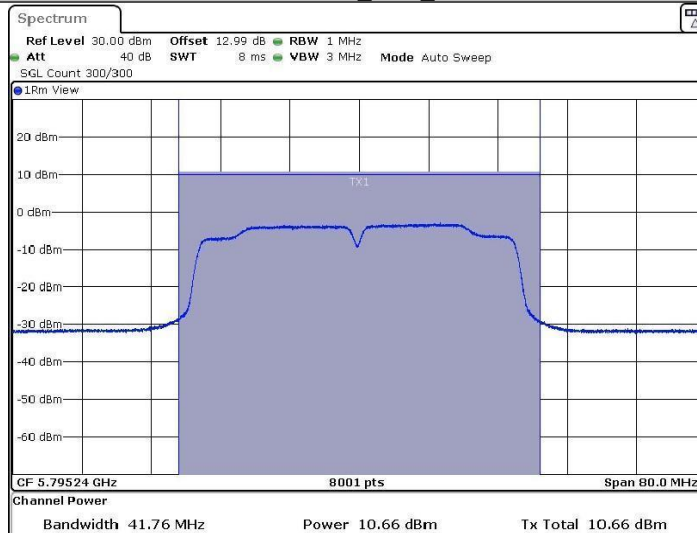
Date: 6.AUG.2022 11:05:10

11N40SISO_Ant1_5755



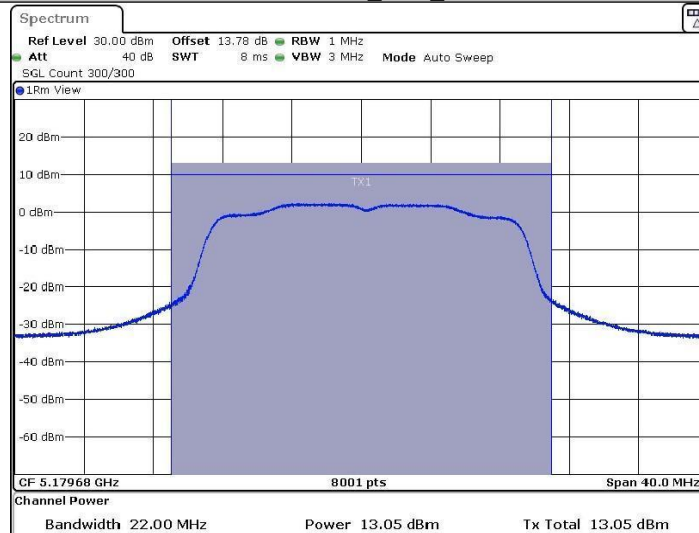
Date: 6.AUG.2022 11:14:51

11N40SISO_Ant1_5795



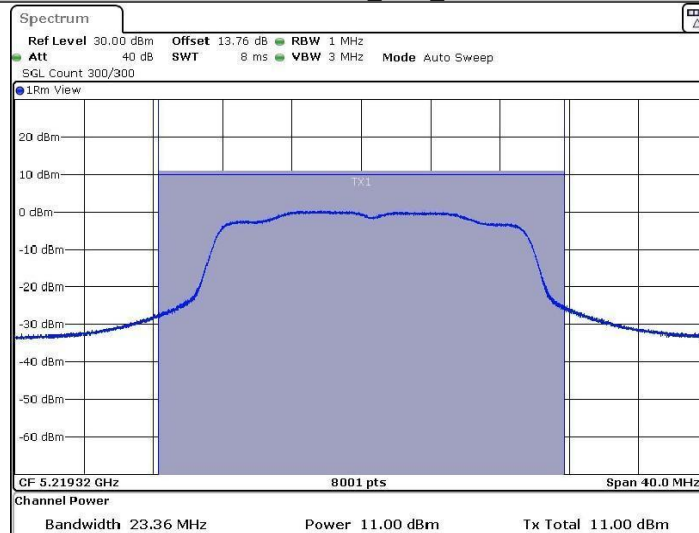
Date: 6.AUG.2022 11:21:59

11AC20SISO_Ant1_5180



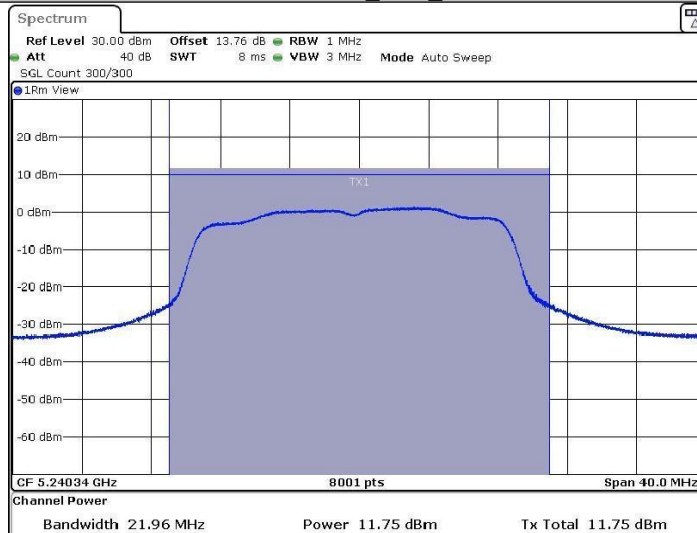
Date: 6 AUG.2022 11:28:10

11AC20SISO_Ant1_5220



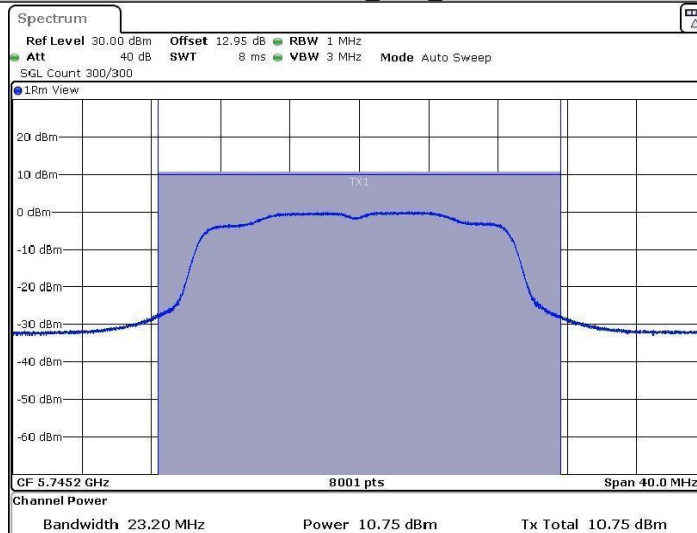
Date: 6 AUG.2022 11:34:23

11AC20SISO_Ant1_5240



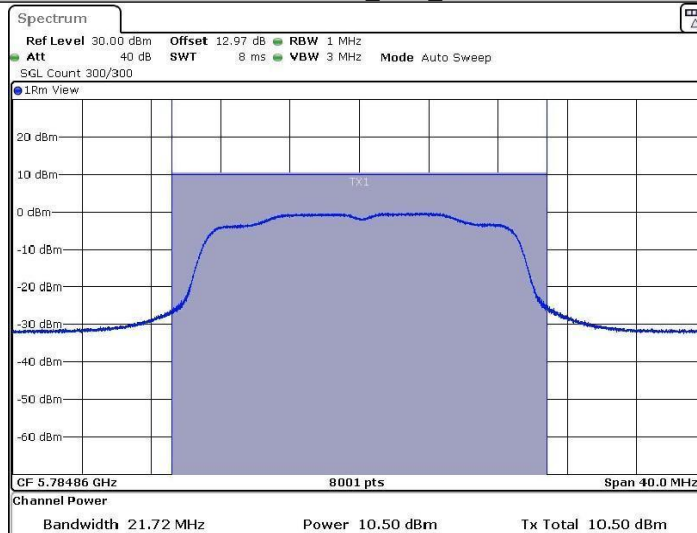
Date: 6.AUG.2022 11:38:45

11AC20SISO_Ant1_5745



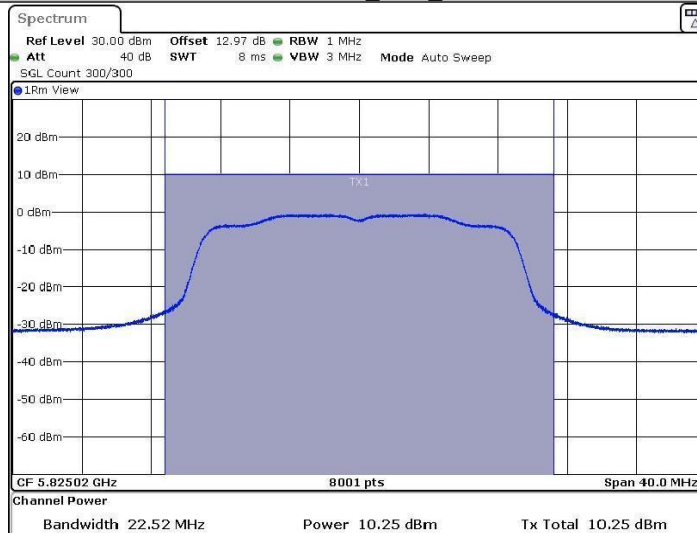
Date: 6.AUG.2022 11:44:35

11AC20SISO_Ant1_5785



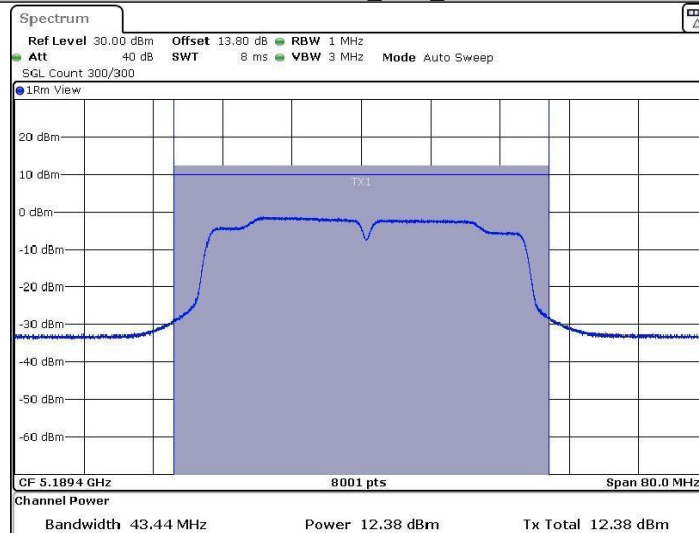
Date: 6.AUG.2022 11:51:18

11AC20SISO_Ant1_5825



Date: 6.AUG.2022 11:56:04

11AC40SISO_Ant1_5190



Date: 6.AUG.2022 12:01:27

11AC40SISO_Ant1_5230



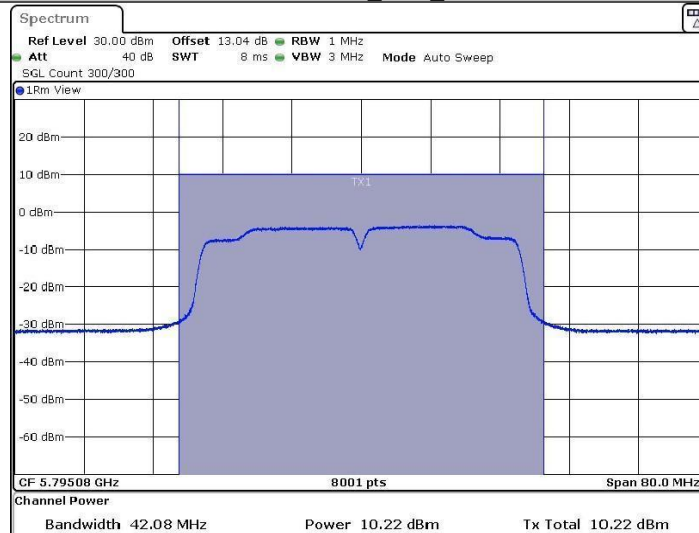
Date: 6.AUG.2022 12:06:55

11AC40SISO_Ant1_5755



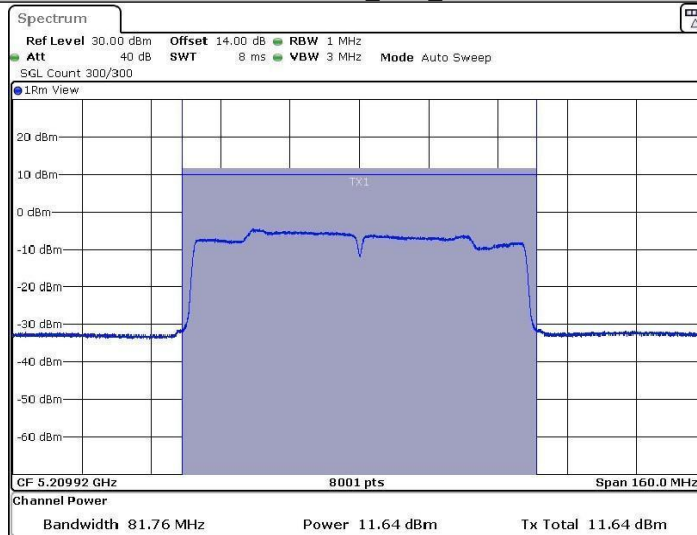
Date: 6.AUG.2022 12:14:38

11AC40SISO_Ant1_5795



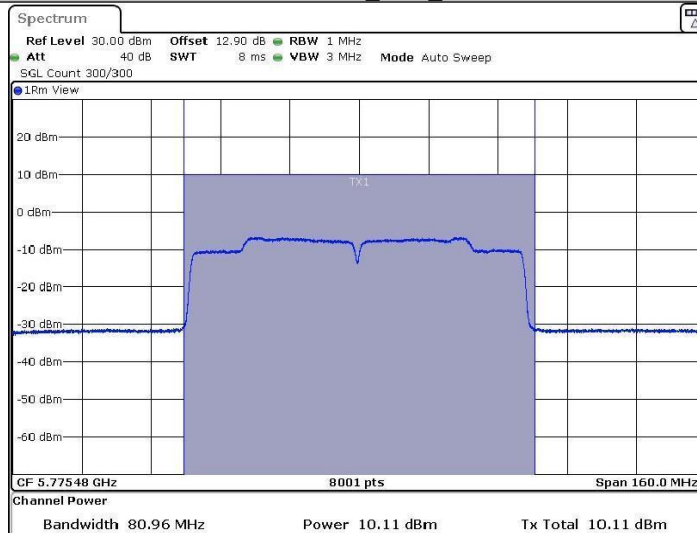
Date: 6.AUG.2022 12:20:25

11AC80SISO_Ant1_5210



Date: 6.AUG.2022 12:25:50

11AC80SISO_Ant1_5775



Date: 6.AUG.2022 12:33:00

Ant2

Measurement Data

Test Mode	Antenna	Channel	Meas.Level [dBm]	Av.Power [dBm]	Limit [dBm]	Verdict
11A	Ant2	5180	10.38	10.44	24	PASS
11A	Ant2	5220	10.26	10.30	24	PASS
11A	Ant2	5240	11.46	11.52	24	PASS
11A	Ant2	5745	10.36	10.42	30	PASS
11A	Ant2	5785	10.07	10.13	30	PASS
11A	Ant2	5825	10.83	10.87	30	PASS
11N20	Ant2	5180	12.94	12.99	24	PASS
11N20	Ant2	5220	10.83	10.88	24	PASS
11N20	Ant2	5240	11.70	11.77	24	PASS
11N20	Ant2	5745	10.67	10.74	30	PASS
11N20	Ant2	5785	10.78	10.85	30	PASS
11N20	Ant2	5825	10.62	10.69	30	PASS
11N40	Ant2	5190	12.49	12.63	24	PASS
11N40	Ant2	5230	11.18	11.32	24	PASS
11N40	Ant2	5755	10.69	10.83	30	PASS
11N40	Ant2	5795	10.66	10.75	30	PASS
11AC20	Ant2	5180	13.05	13.12	24	PASS
11AC20	Ant2	5220	11.00	11.05	24	PASS
11AC20	Ant2	5240	11.75	11.80	24	PASS
11AC20	Ant2	5745	10.75	10.80	30	PASS
11AC20	Ant2	5785	10.50	10.57	30	PASS
11AC20	Ant2	5825	10.25	10.32	30	PASS
11AC40	Ant2	5190	12.38	12.47	24	PASS
11AC40	Ant2	5230	10.67	10.76	24	PASS
11AC40	Ant2	5755	10.02	10.11	30	PASS
11AC40	Ant2	5795	10.22	10.36	30	PASS
11AC80	Ant2	5210	11.64	11.93	24	PASS
11AC80	Ant2	5775	10.11	10.16	30	PASS

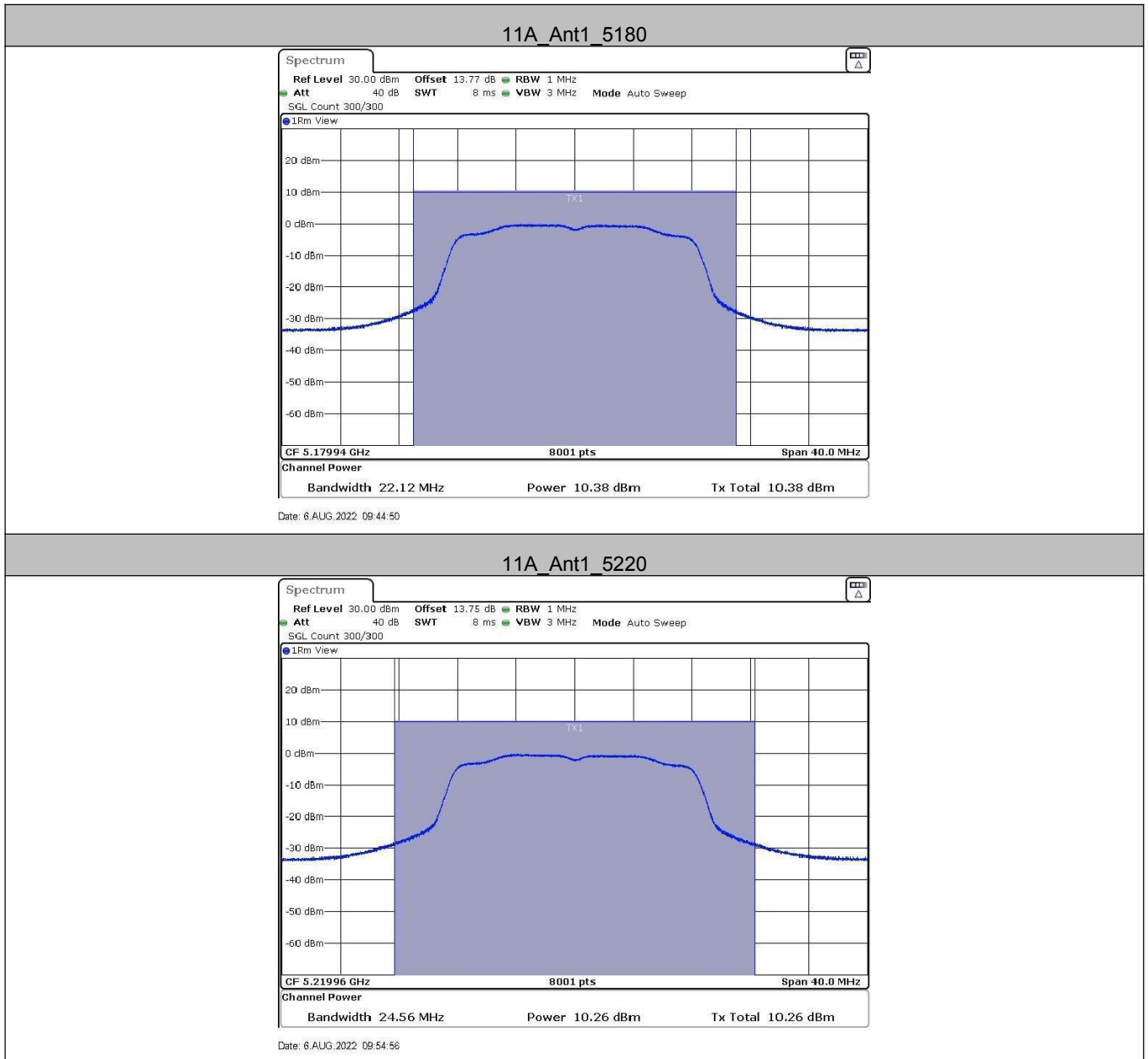
Remark:

Av.Power=Meas.Level+10 log (1/duty cycle)

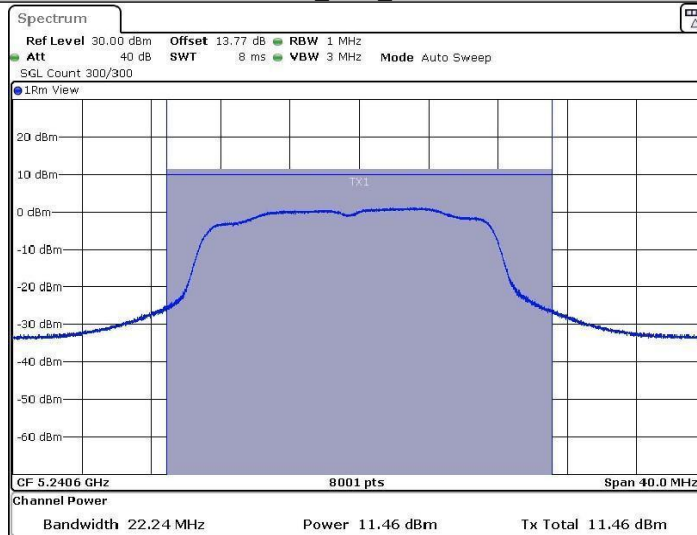
E.i.r.p=Av.Power+G,

G = antenna gain in dBi.

Test Graphs

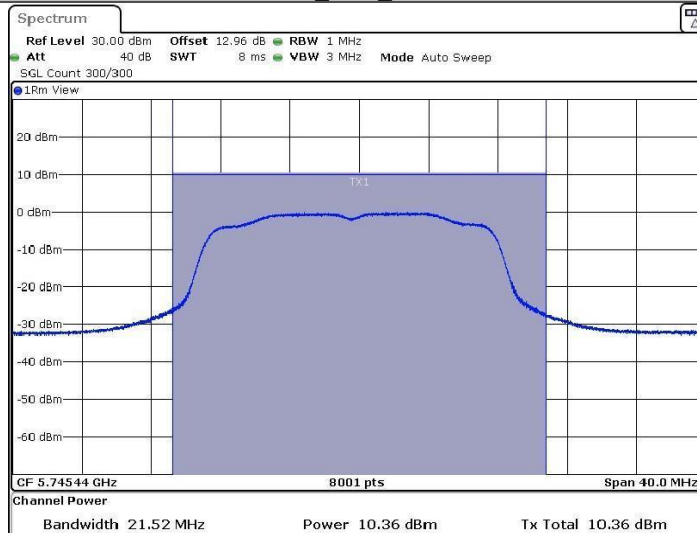


11A_Ant1_5240



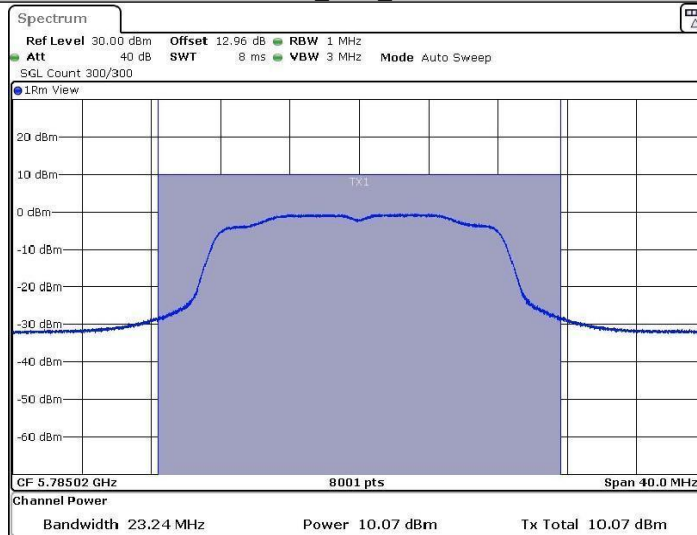
Date: 6.AUG.2022 10:00:45

11A_Ant1_5745



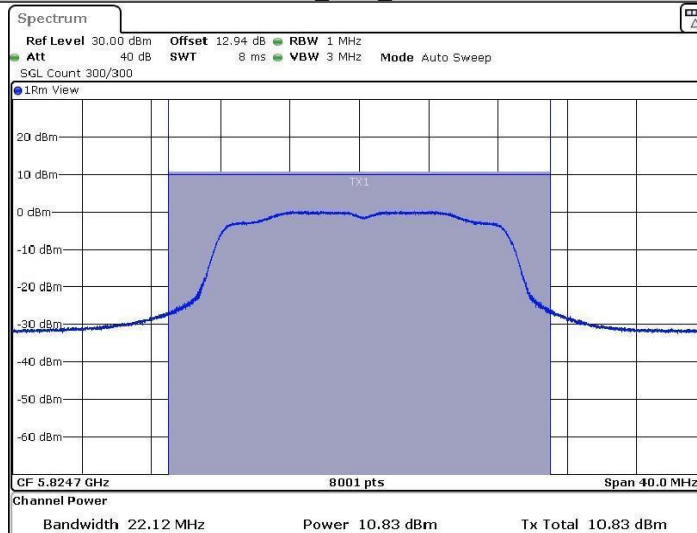
Date: 6.AUG.2022 10:07:36

11A_Ant1_5785



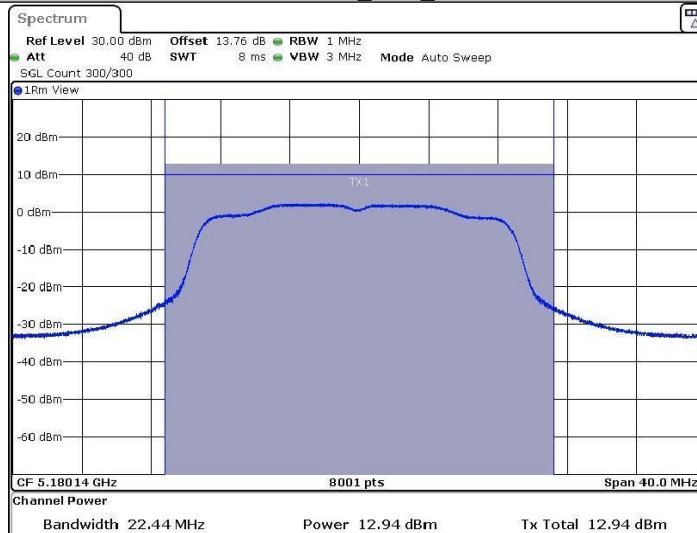
Date: 6.AUG.2022 10:14:20

11A_Ant1_5825



Date: 6.AUG.2022 10:20:22

11N20SISO_Ant1_5180



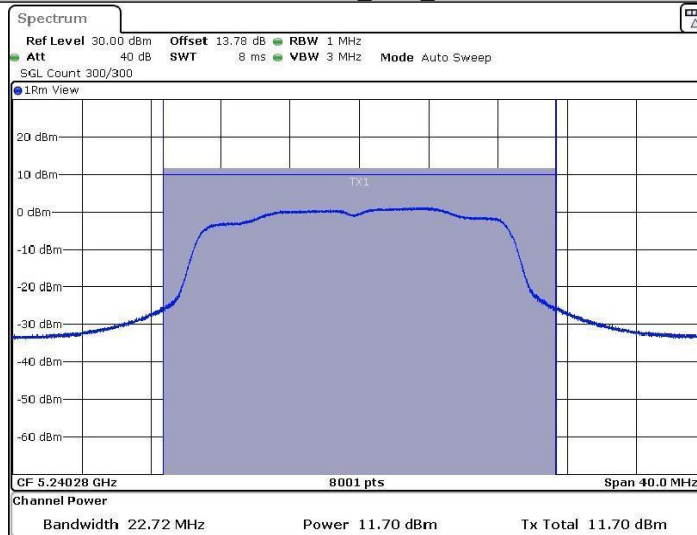
Date: 6.AUG.2022 10:26:20

11N20SISO_Ant1_5220



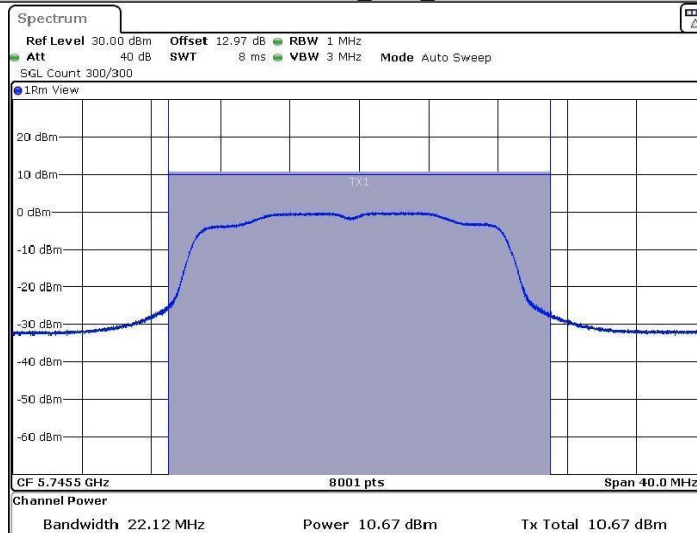
Date: 6.AUG.2022 10:32:07

11N20SISO_Ant1_5240



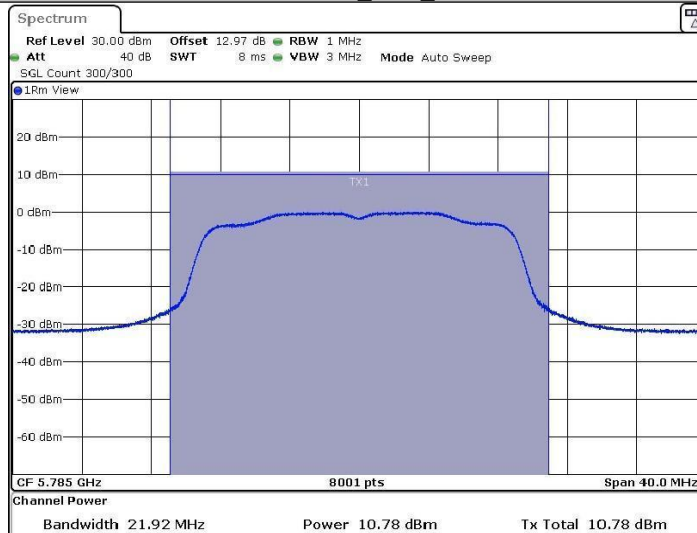
Date: 6 AUG.2022 10:36:35

11N20SISO_Ant1_5745



Date: 6 AUG.2022 10:42:47

11N20SISO_Ant1_5785



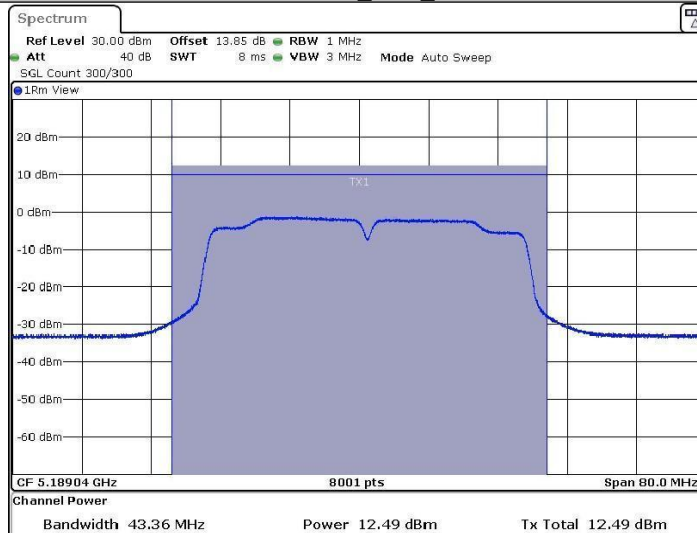
Date: 6.AUG.2022 10:48:58

11N20SISO_Ant1_5825



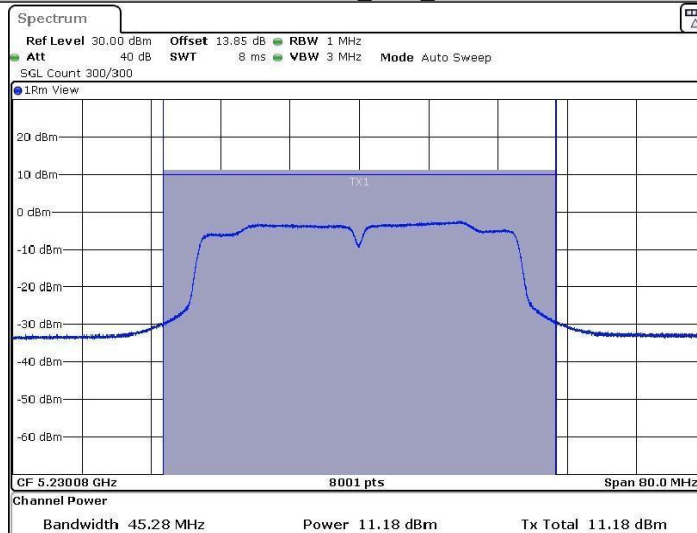
Date: 6.AUG.2022 10:53:33

11N40SISO_Ant1_5190



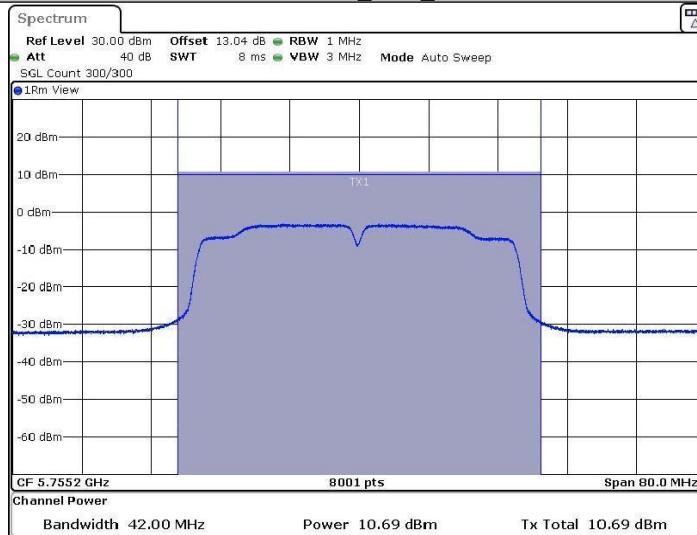
Date: 6.AUG.2022 10:59:31

11N40SISO_Ant1_5230



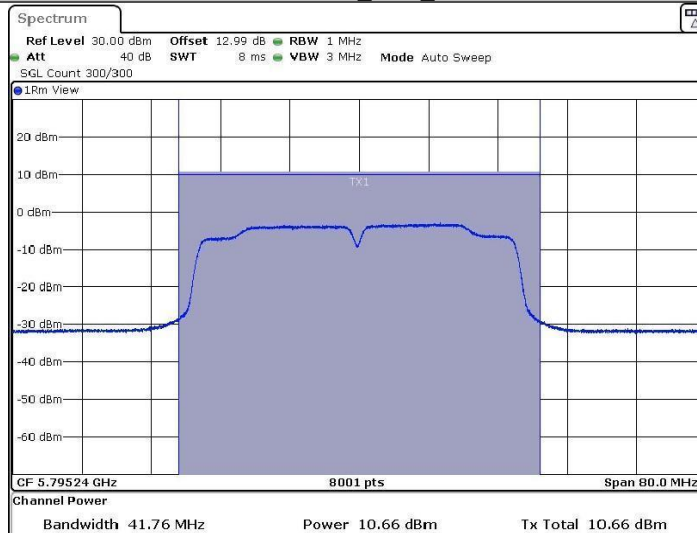
Date: 6.AUG.2022 11:05:10

11N40SISO_Ant1_5755



Date: 6.AUG.2022 11:14:51

11N40SISO_Ant1_5795



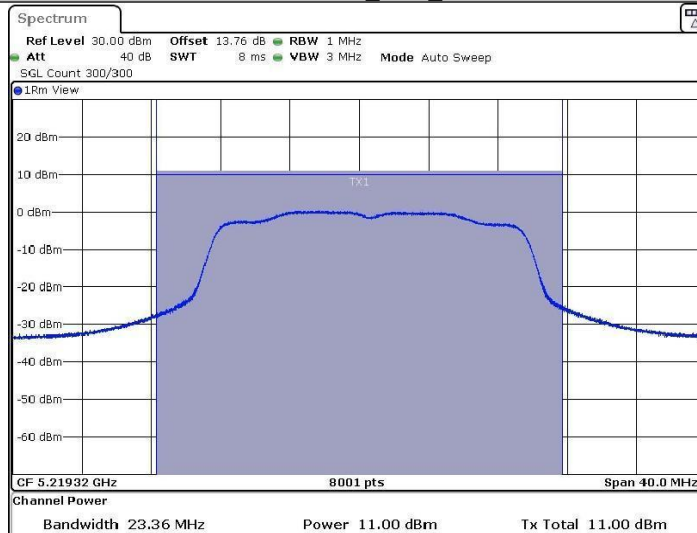
Date: 6.AUG.2022 11:21:59

11AC20SISO_Ant1_5180



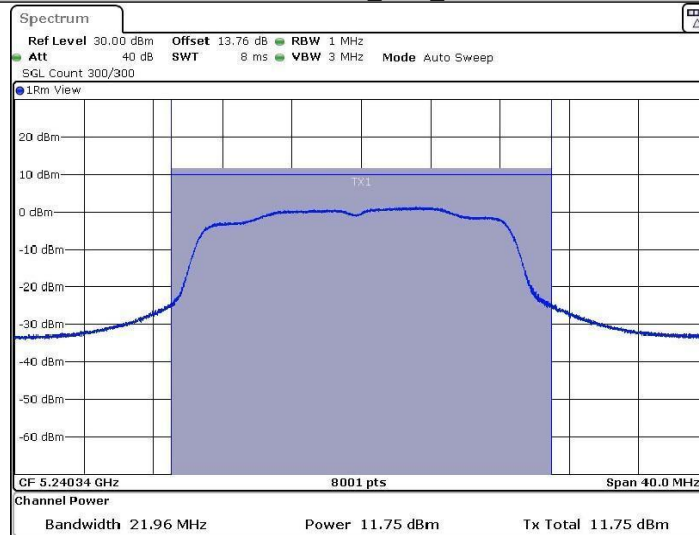
Date: 6.AUG.2022 11:28:10

11AC20SISO_Ant1_5220



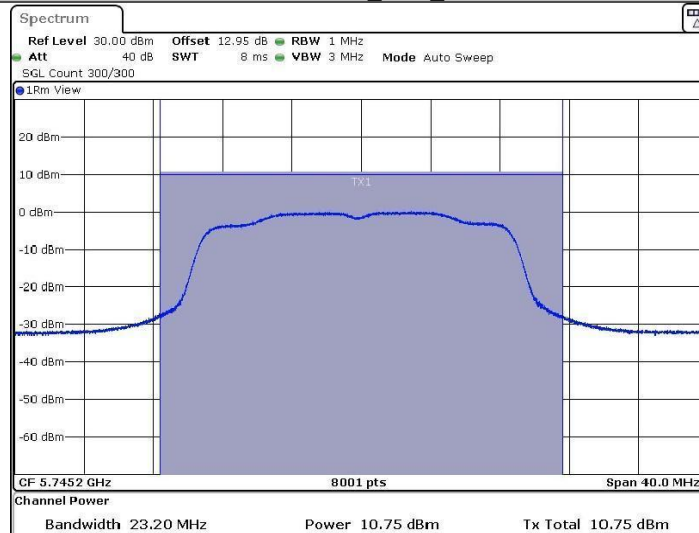
Date: 6.AUG.2022 11:34:23

11AC20SISO_Ant1_5240



Date: 6 AUG.2022 11:38:45

11AC20SISO_Ant1_5745



Date: 6 AUG.2022 11:44:35