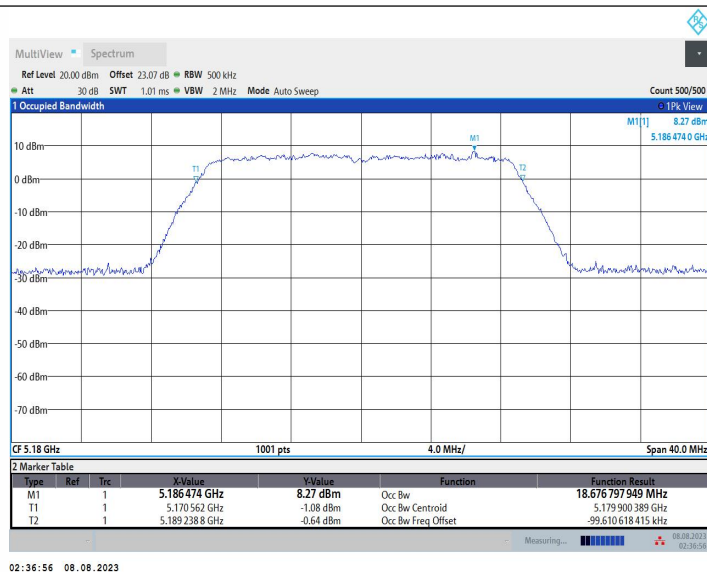
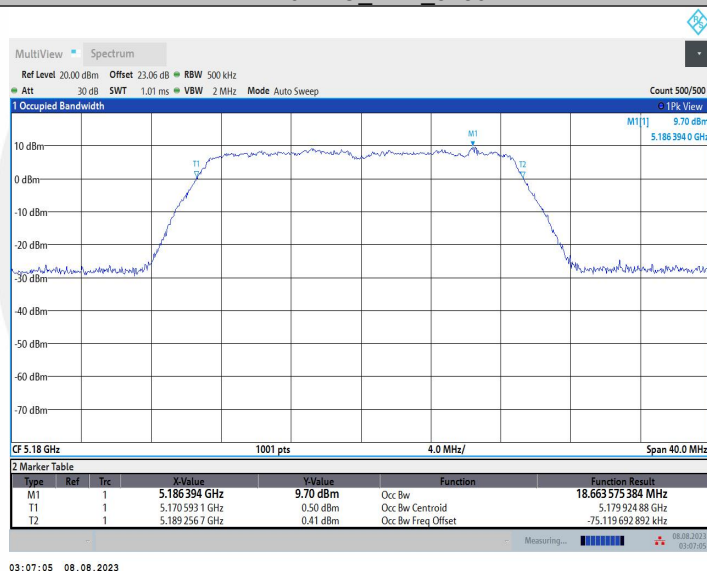




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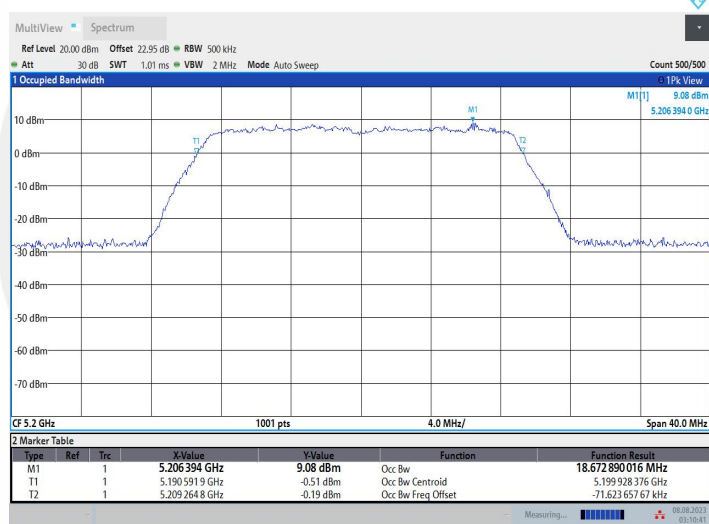


11N20SISO_Ant1_5200



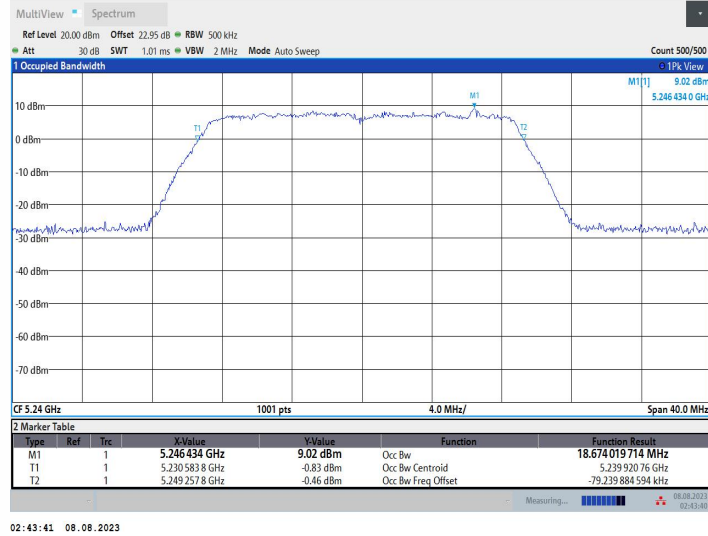
02:40:30 08.08.2023

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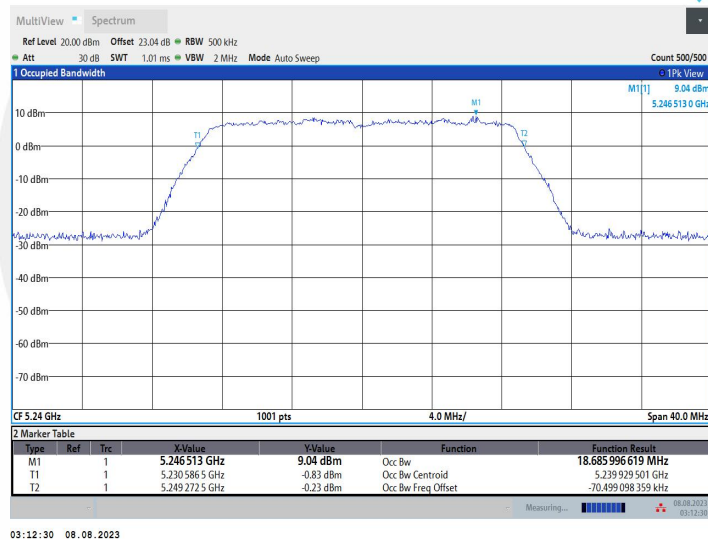


03:10:41 08.08.2023

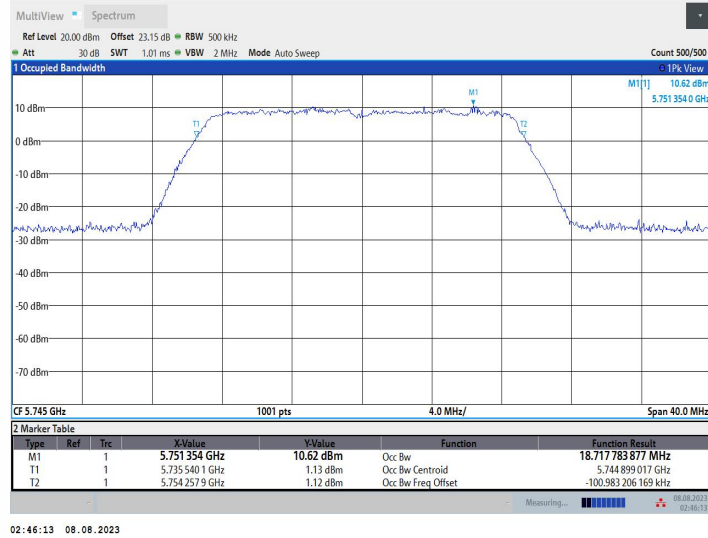
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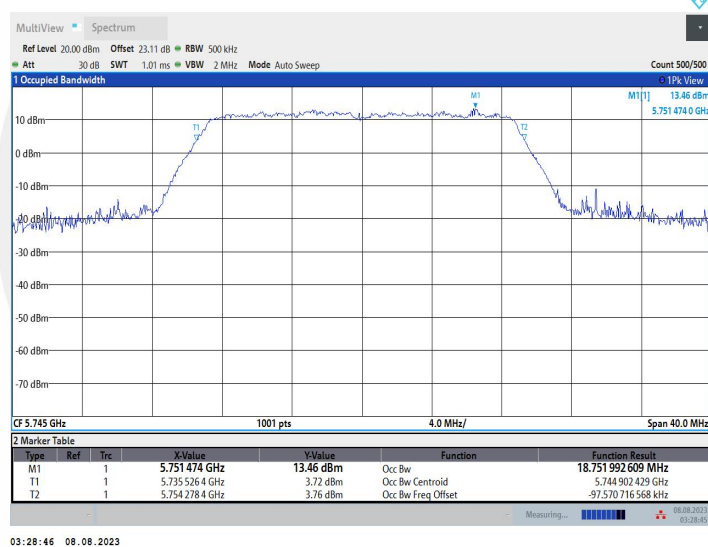
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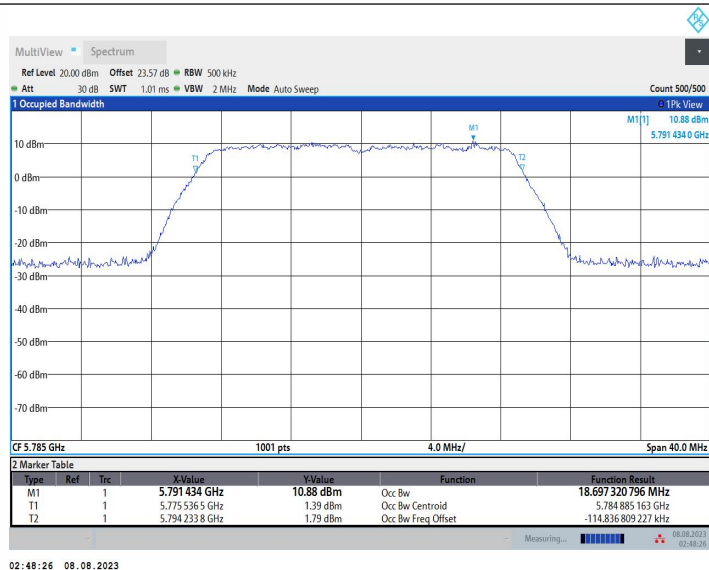
11N20SISO_Ant1_5745



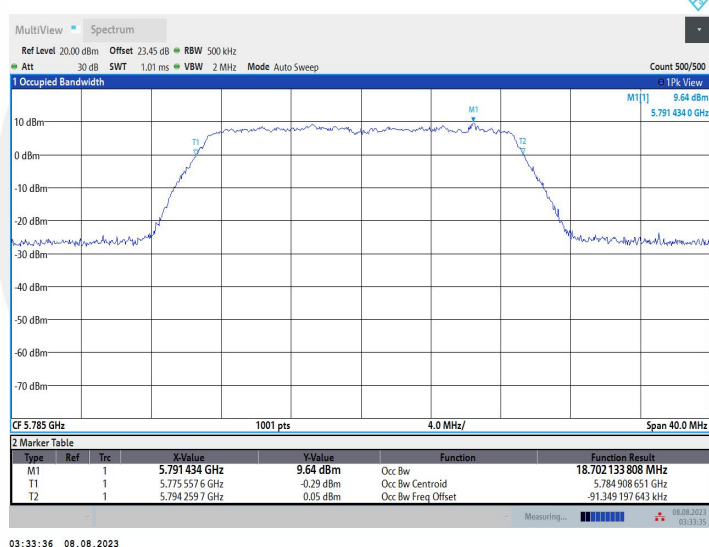
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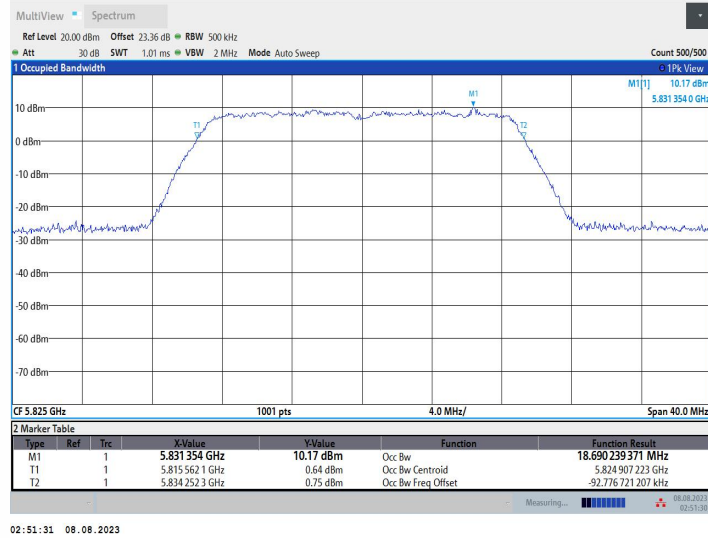
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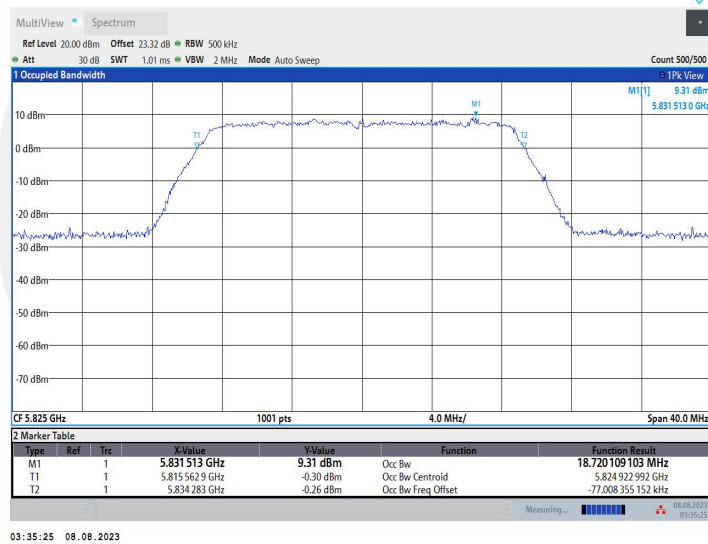
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11N20SISO_Ant1_5825



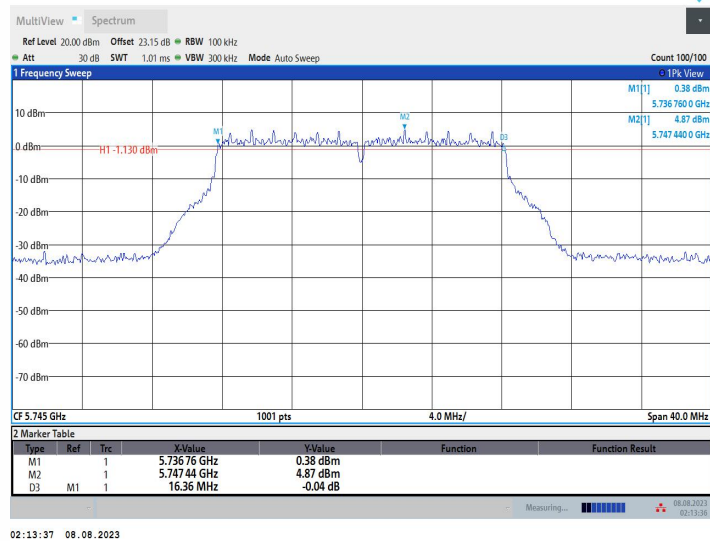
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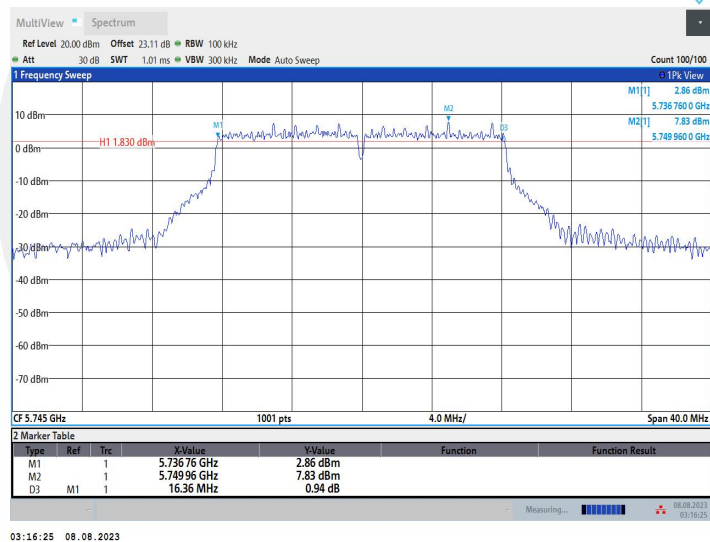
TestMode	Antenna	Frequency[MHz]	6db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.36	5736.76	5753.12	0.5	PASS
	Ant2	5745	16.36	5736.76	5753.12	0.5	PASS
	Ant1	5785	16.36	5776.76	5793.12	0.5	PASS
	Ant2	5785	16.36	5776.76	5793.12	0.5	PASS
	Ant1	5825	16.36	5816.76	5833.12	0.5	PASS
	Ant2	5825	16.36	5816.76	5833.12	0.5	PASS
11N20SISO	Ant1	5745	17.64	5736.12	5753.76	0.5	PASS
	Ant2	5745	17.64	5736.12	5753.76	0.5	PASS
	Ant1	5785	17.64	5776.12	5793.76	0.5	PASS
	Ant2	5785	17.60	5776.16	5793.76	0.5	PASS
	Ant1	5825	17.64	5816.12	5833.76	0.5	PASS
	Ant2	5825	17.64	5816.12	5833.76	0.5	PASS



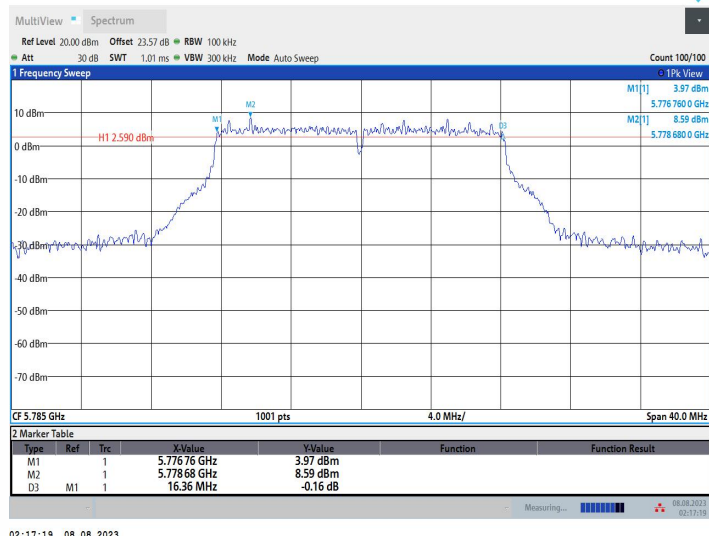
11A_Ant1_5745



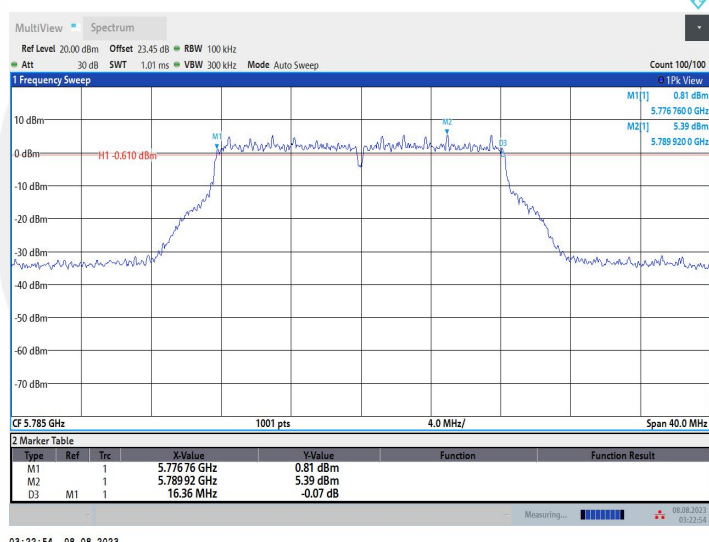
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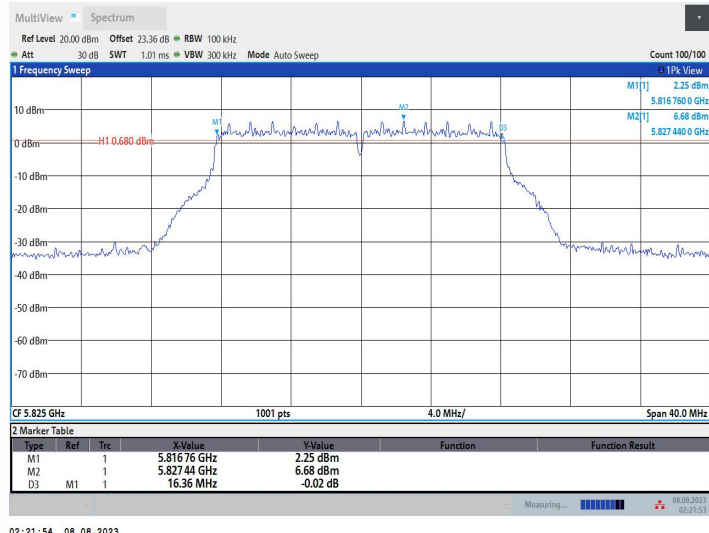
11A_Ant1_5785



11A_Ant2_5785

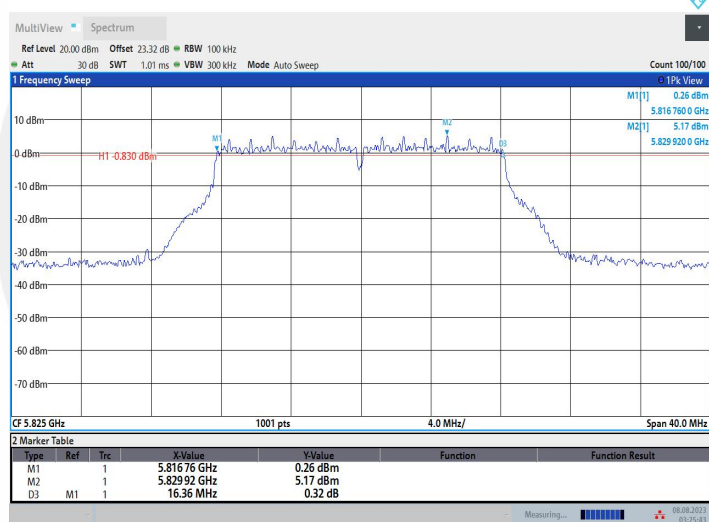


11A_Ant1_5825



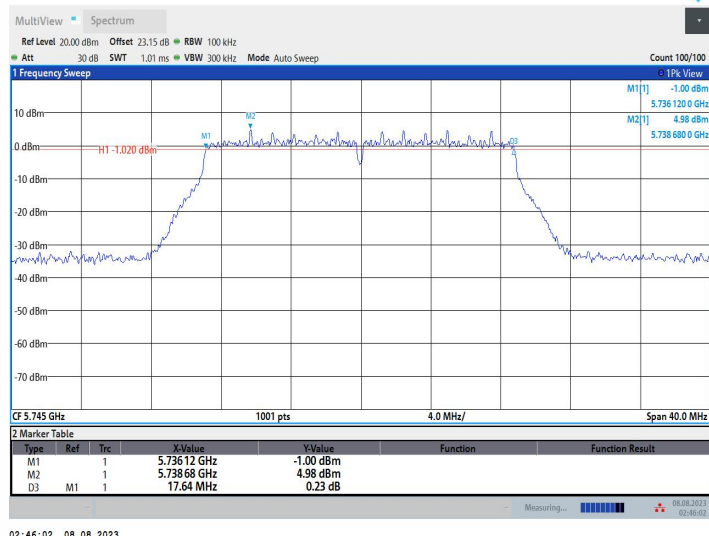
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11A_Ant2_5825

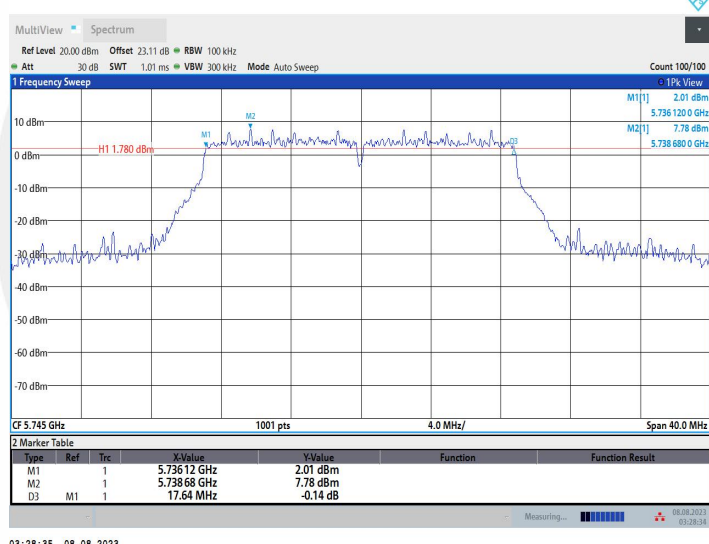


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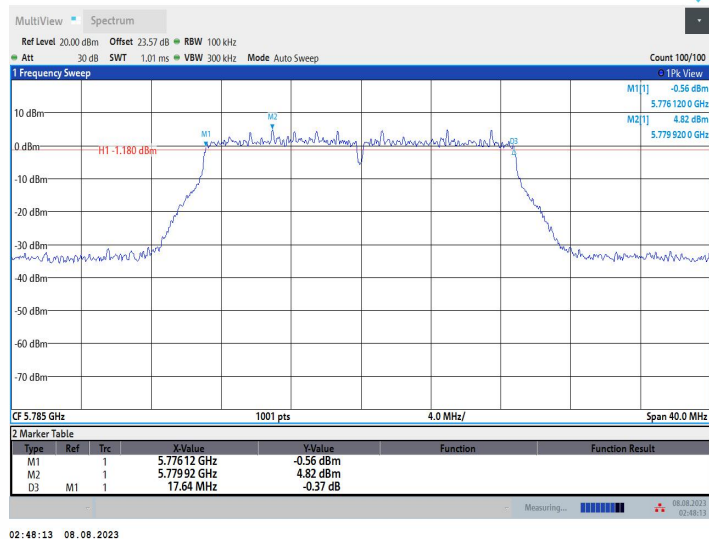
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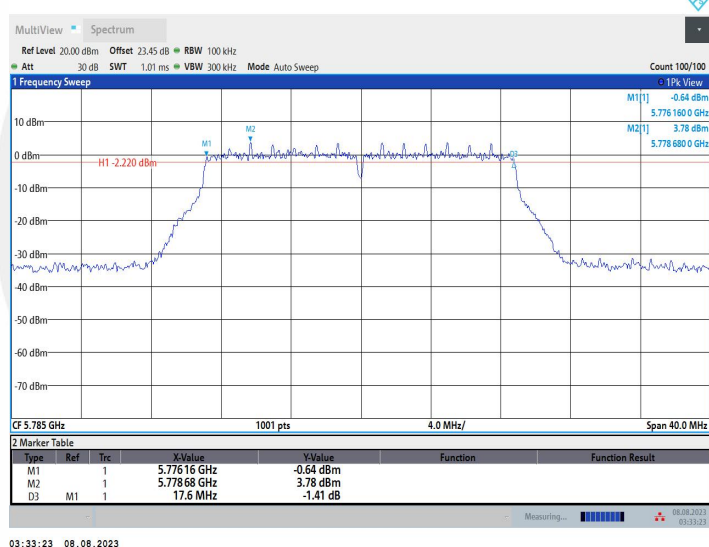
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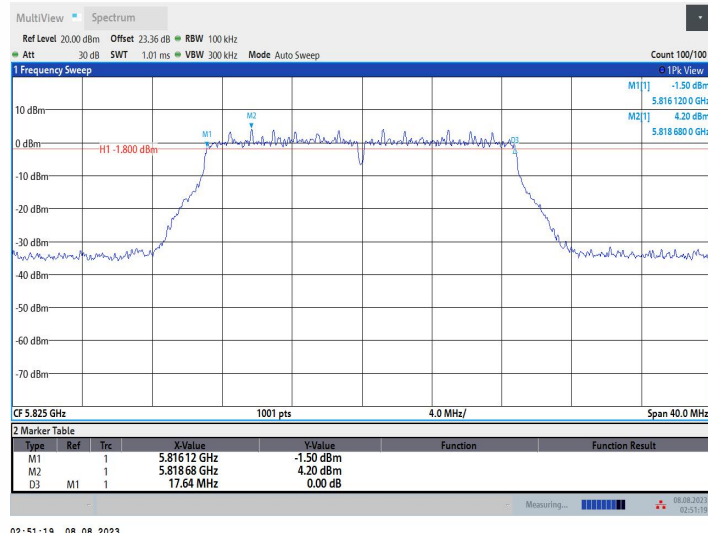
11N20SISO_Ant1_5785



11N20SISO_Ant2_5785

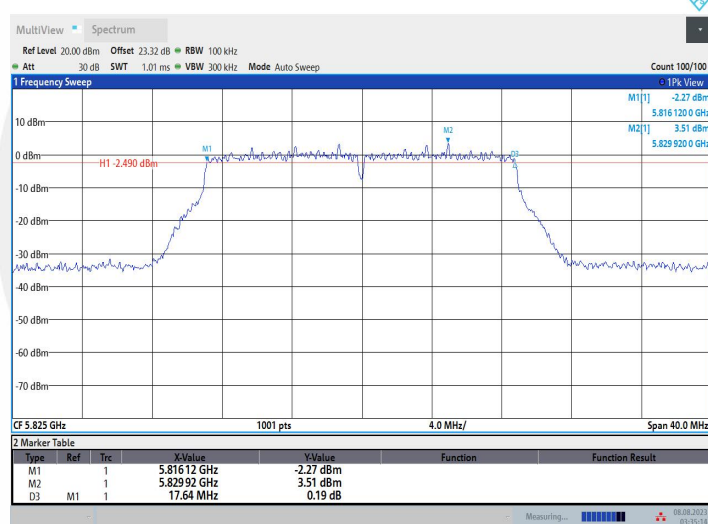


11N20SISO_Ant1_5825



02:51:19 08.08.2023

11N20SISO_Ant2_5825



03:35:14 08.08.2023

8.2 MAXIMUM CONDUCTED OUTPUT POWER

8.2.1 Applicable Standard

According to FCC Part 15.407(a)(1) for UNII Band I
According to FCC Part 15.407(a)(2) for UNII Band II-A and UNII Band II-C
According to FCC Part 15.407(a)(3) for UNII Band III
According to 789033 D02 Section II(E)

8.2.2 Conformance Limit

■ For the band 5.15-5.25 GHz,

(a) (1) (i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(a) (1) (ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(a) (1) (iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(a) (1) (iv) For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

■ For the 5.25-5.35 GHz and 5.47-5.725 GHz bands

(a) (2) The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

■ For the band 5.725-5.85 GHz

(a) (3) for the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30

dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations

8.2.3 Test Configuration

Test according to clause 6.1 radio frequency test setup

8.2.4 Test Procedure

The maximum average conducted output power can be measured using Method PM-G (Measurement using a gated RF average power meter):

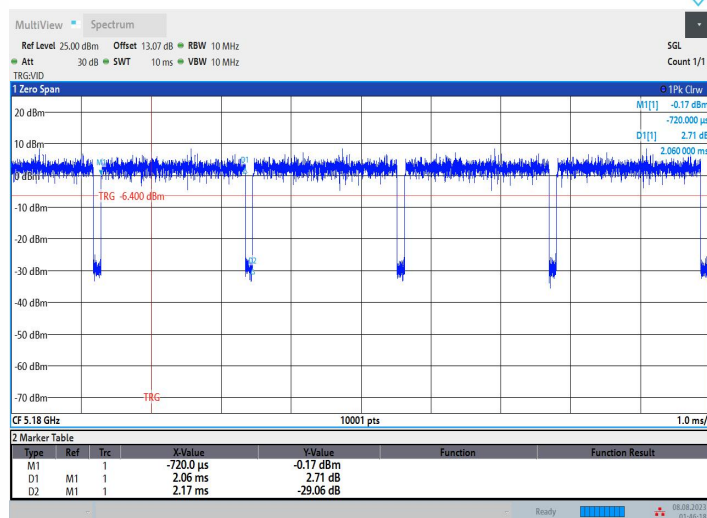
Measurements may be performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

- a. The Transmitter output (antenna port) was connected to the power meter.
- b. Turn on the EUT and power meter and then record the power value.
- c. Repeat above procedures on all channels needed to be tested.

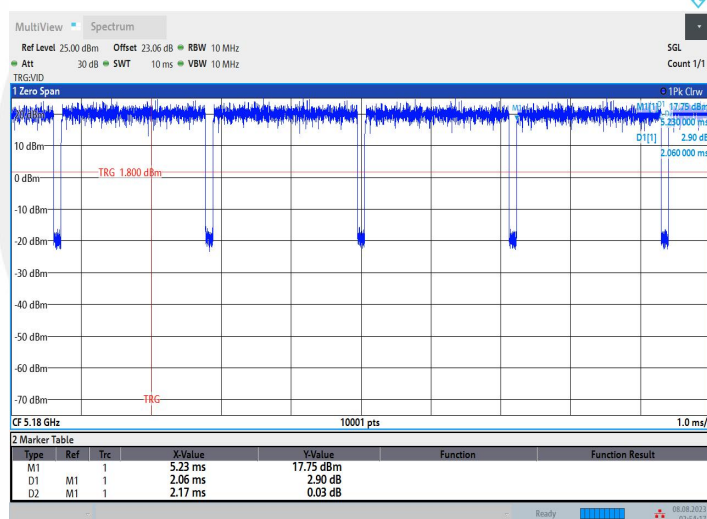
8.2.5 Test Results

TestMode	Antenna	Frequency[MHz]	TransmissionDuration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	2.06	2.17	94.93
	Ant2	5180	2.06	2.17	94.93
	Ant1	5200	2.07	2.17	95.39
	Ant2	5200	2.06	2.17	94.93
	Ant1	5240	2.07	2.18	94.95
	Ant2	5240	2.07	2.17	95.39
	Ant1	5745	2.06	2.17	94.93
	Ant2	5745	2.07	2.17	95.39
	Ant1	5785	2.07	2.17	95.39
	Ant2	5785	2.07	2.17	95.39
	Ant1	5825	2.06	2.17	94.93
	Ant2	5825	2.06	2.17	94.93
11N20SISO	Ant1	5180	1.92	2.02	95.05
	Ant2	5180	1.92	2.02	95.05
	Ant1	5200	1.92	2.02	95.05
	Ant2	5200	1.92	2.02	95.05
	Ant1	5240	1.92	2.02	95.05
	Ant2	5240	1.92	2.02	95.05
	Ant1	5745	1.92	2.02	95.05
	Ant2	5745	1.92	2.02	95.05
	Ant1	5785	1.92	2.02	95.05
	Ant2	5785	1.92	2.02	95.05
	Ant1	5825	1.92	2.02	95.05
	Ant2	5825	1.92	2.02	95.05

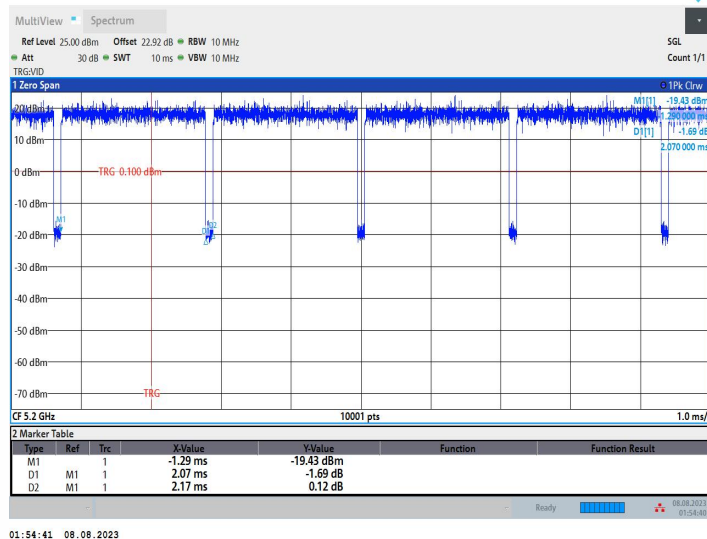
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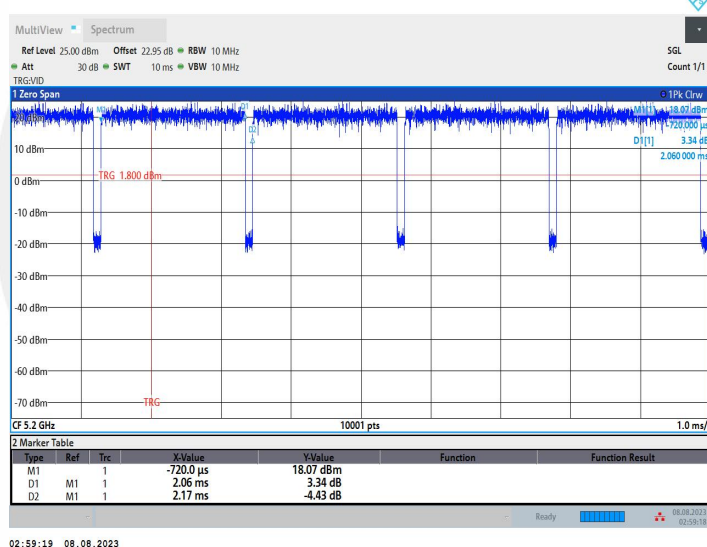
11A_Ant2_5180



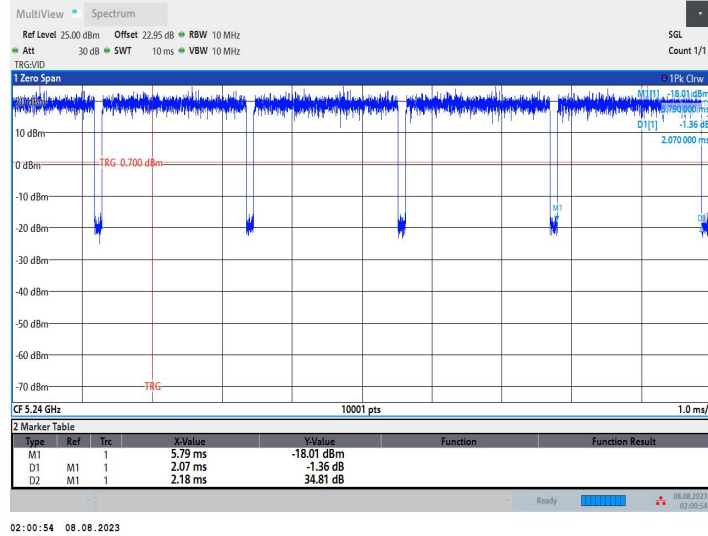
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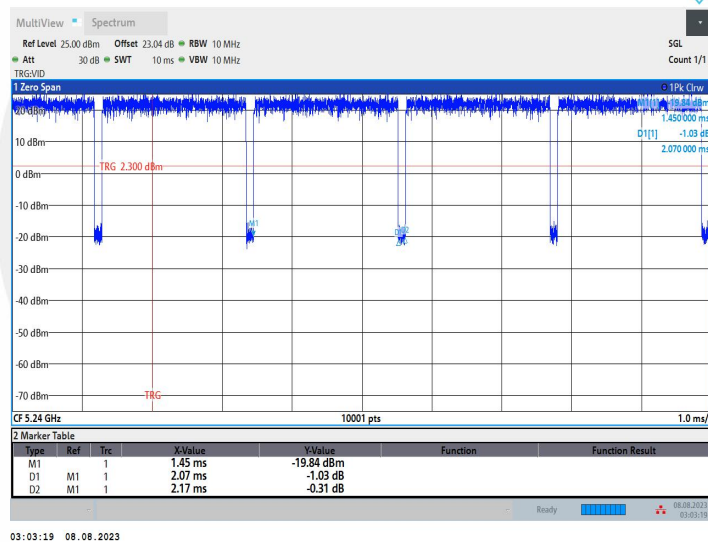
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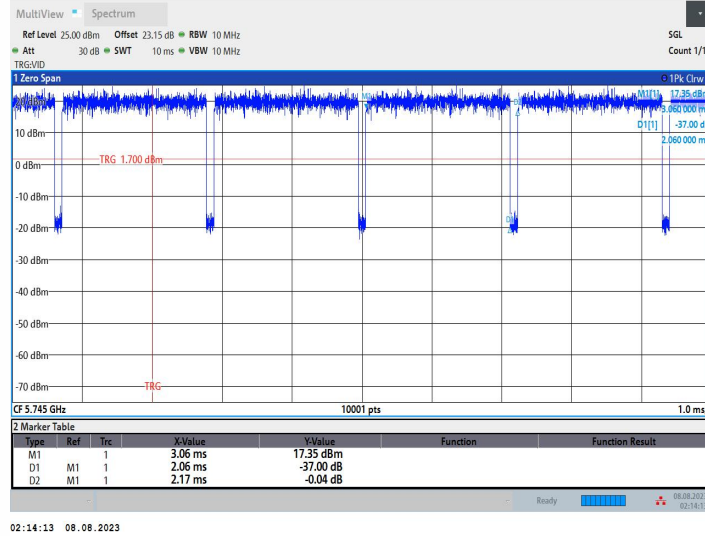
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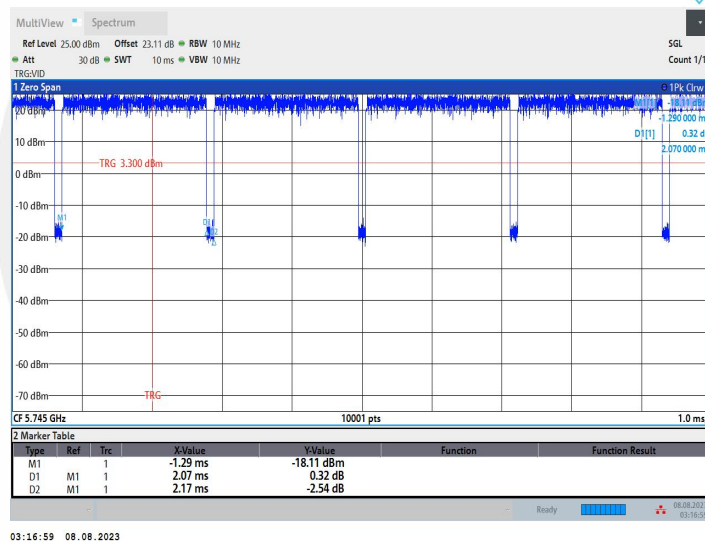
11A_Ant2_5240



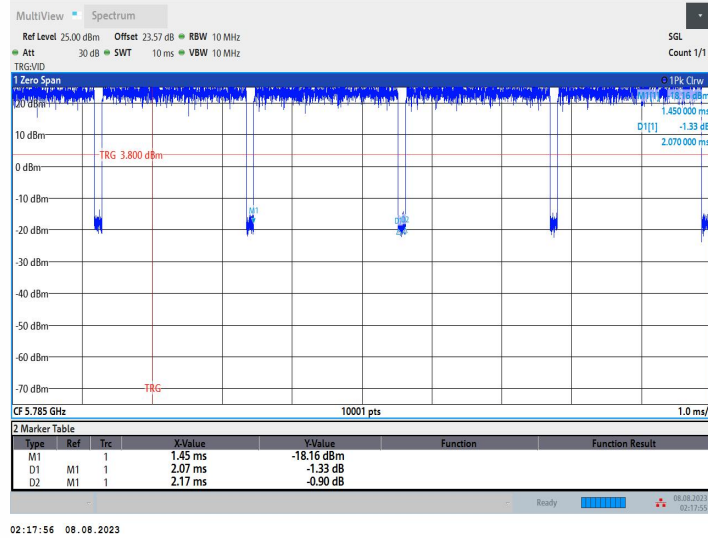
11A_Ant1_5745



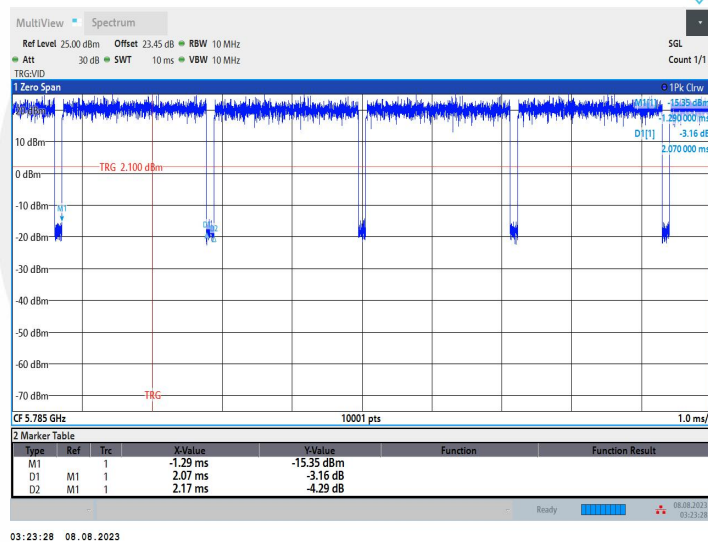
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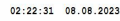
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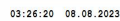
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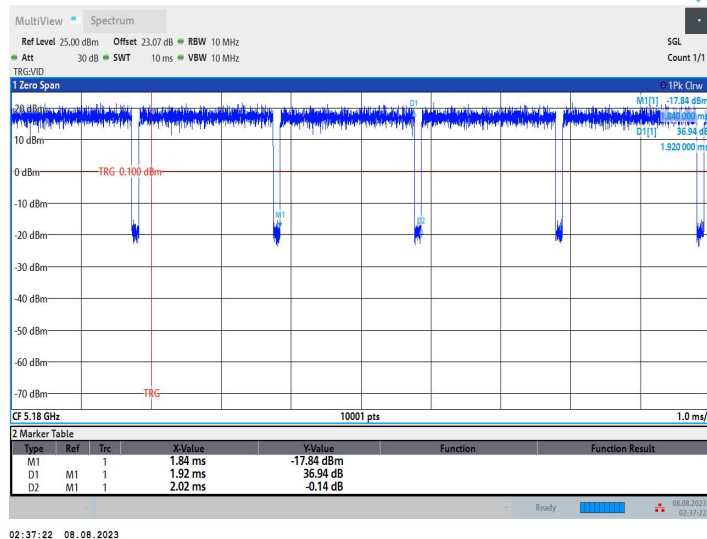
11A_Ant1_5825



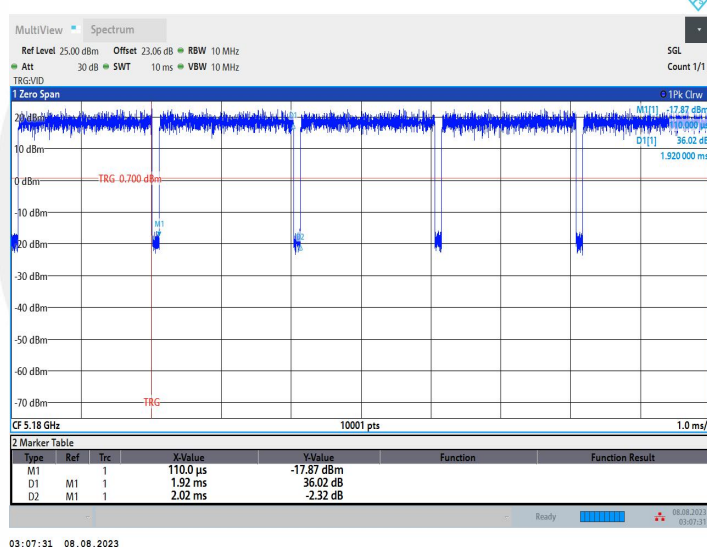
11A Ant2 5825



11N20SISO_Ant1_5180



11N20SISO_Ant2_5180



11N20SISO_Ant1_5200