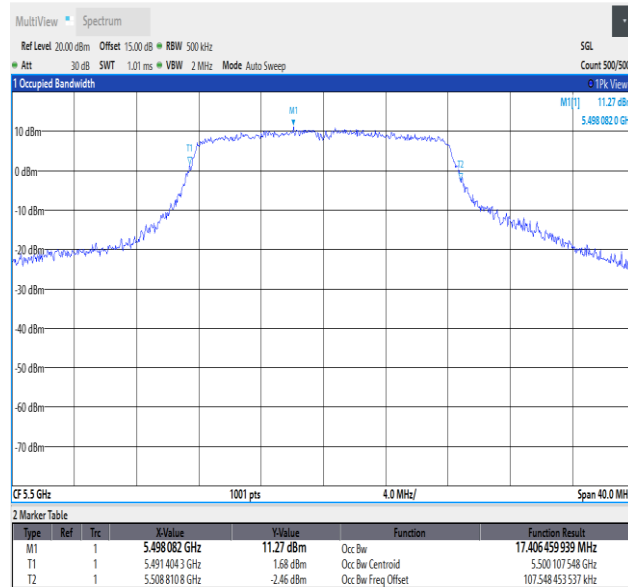
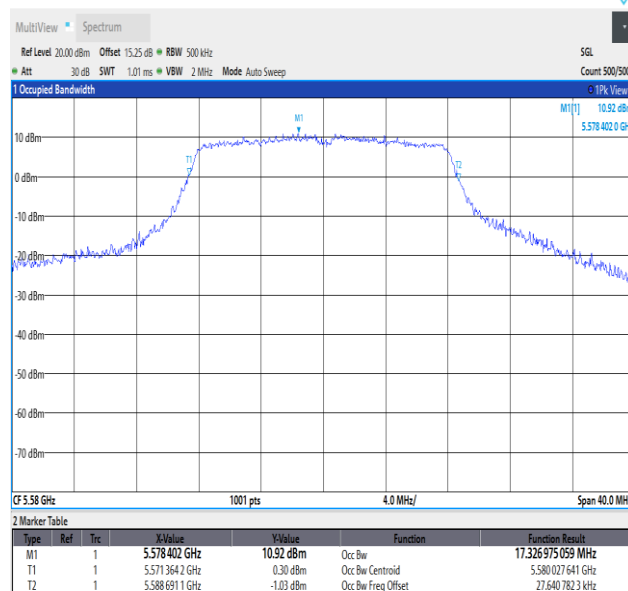
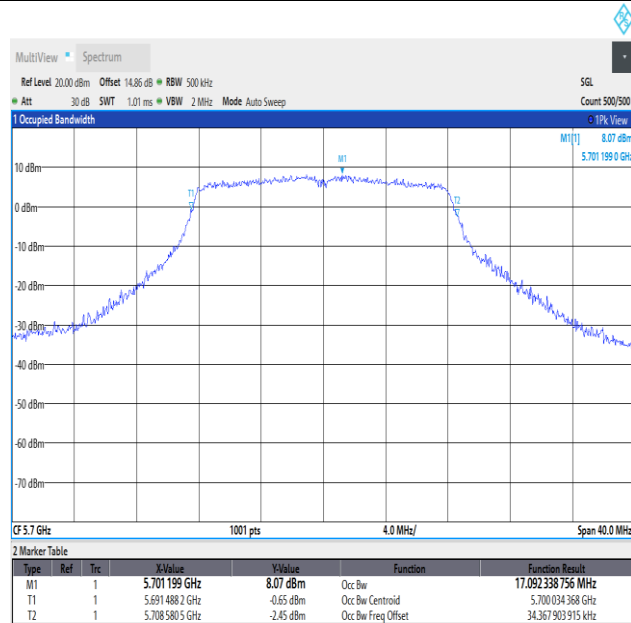




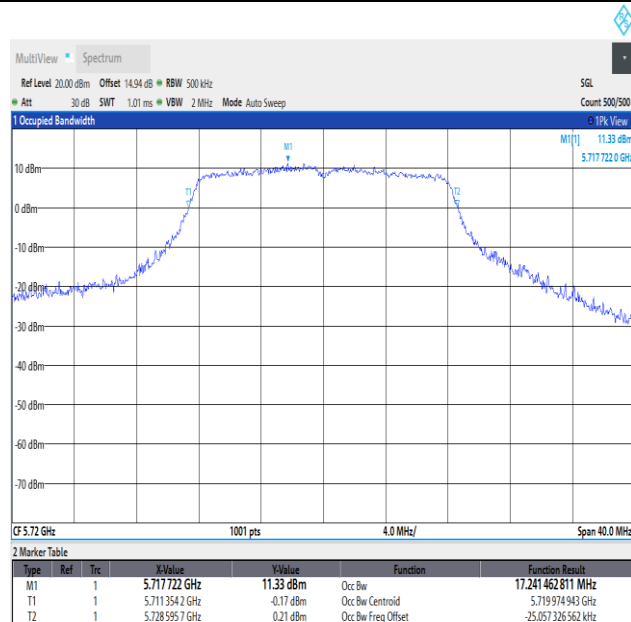
11A-Ant1-5500



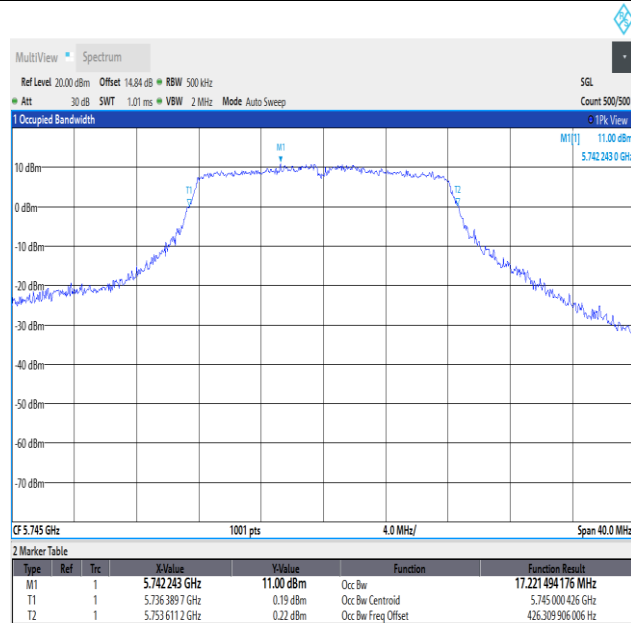
11A-Ant1-5580



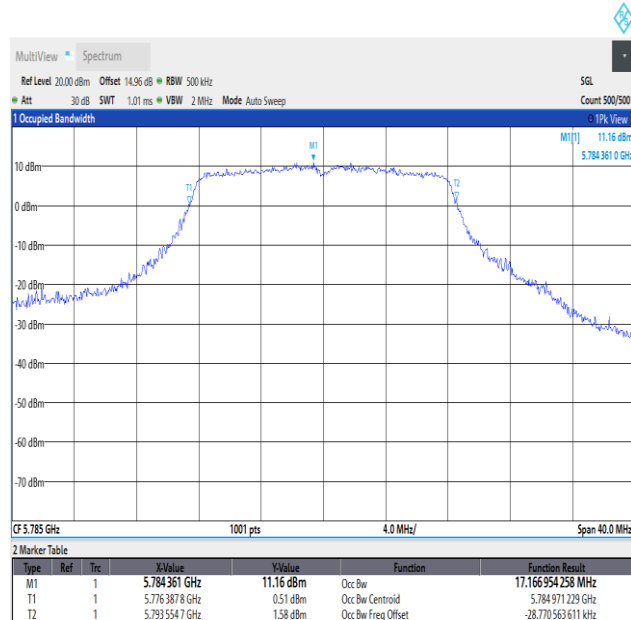
11A-Ant1-5700



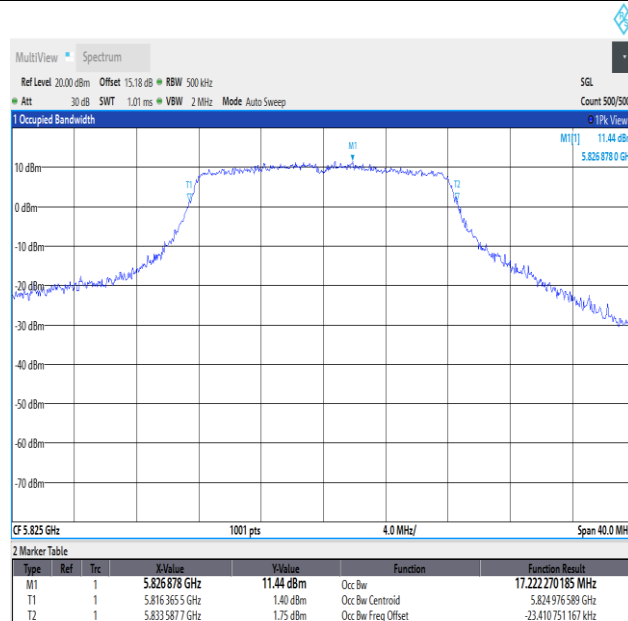
11A-Ant1-5720



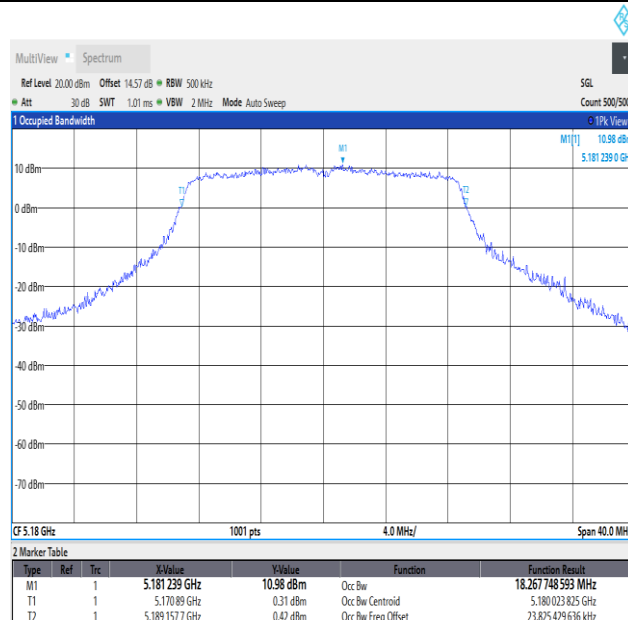
11A-Ant1-5745



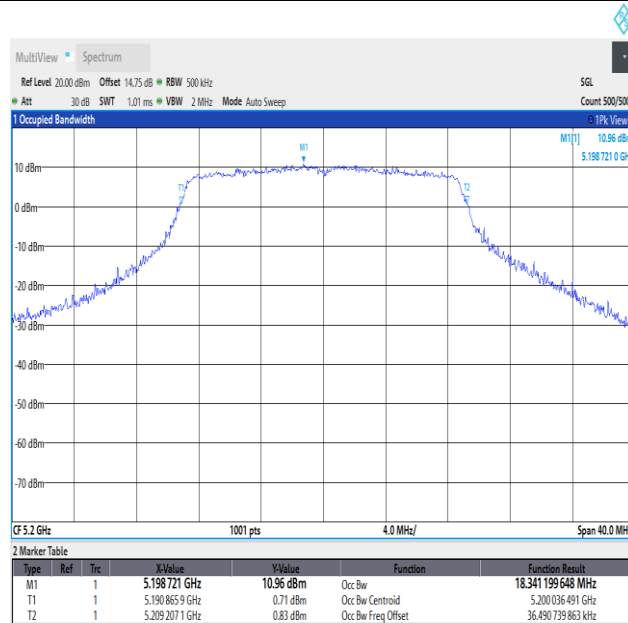
11A-Ant1-5785



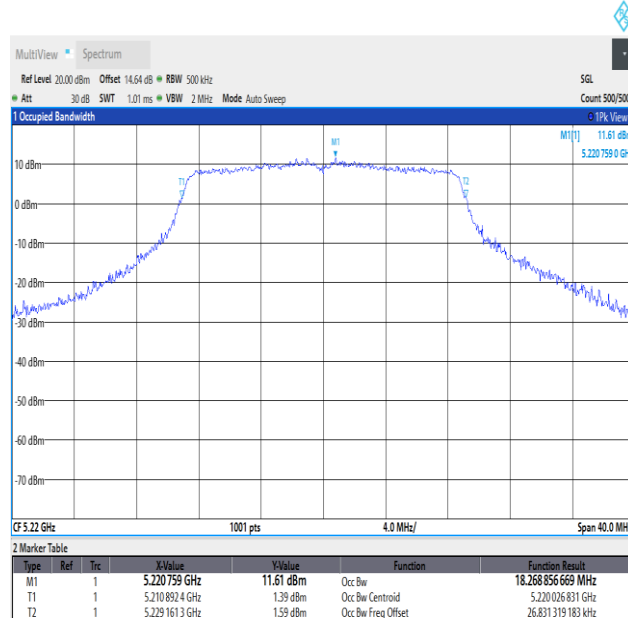
11A-Ant1-5825



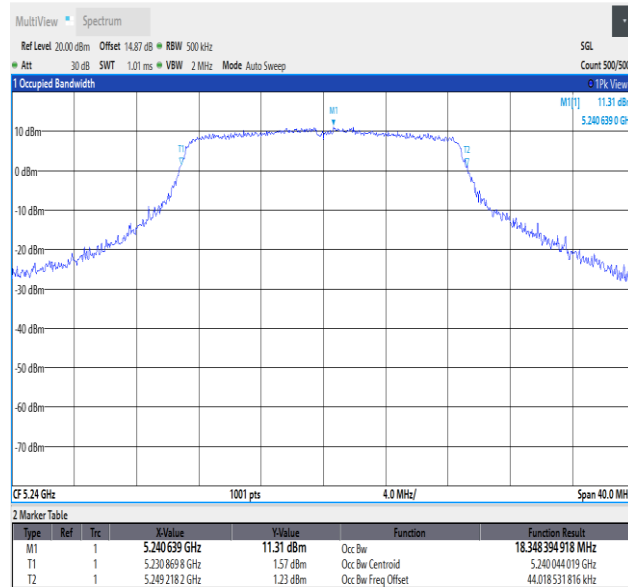
11N20SISO-Ant1-5180



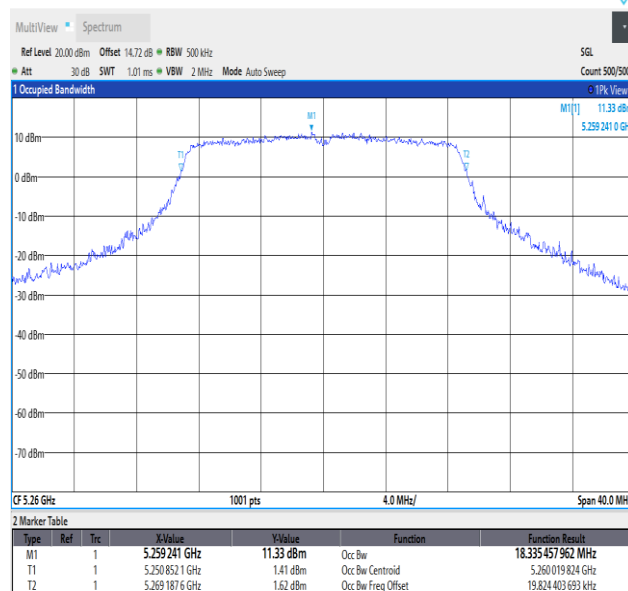
11N20SISO-Ant1-5200



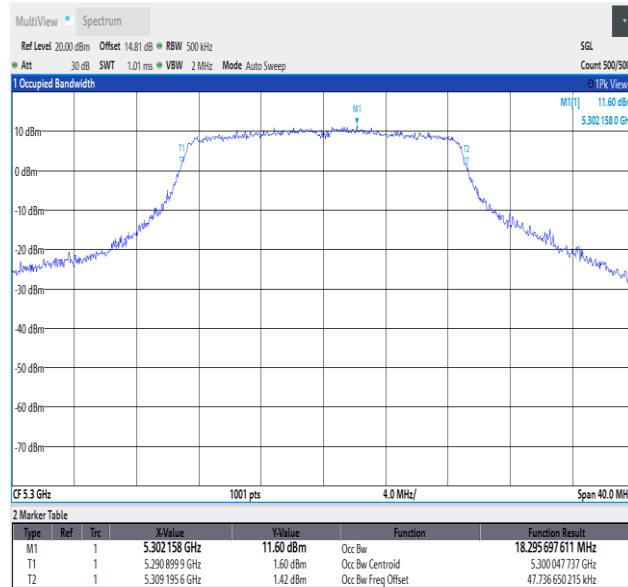
11N20SISO-Ant1-5220



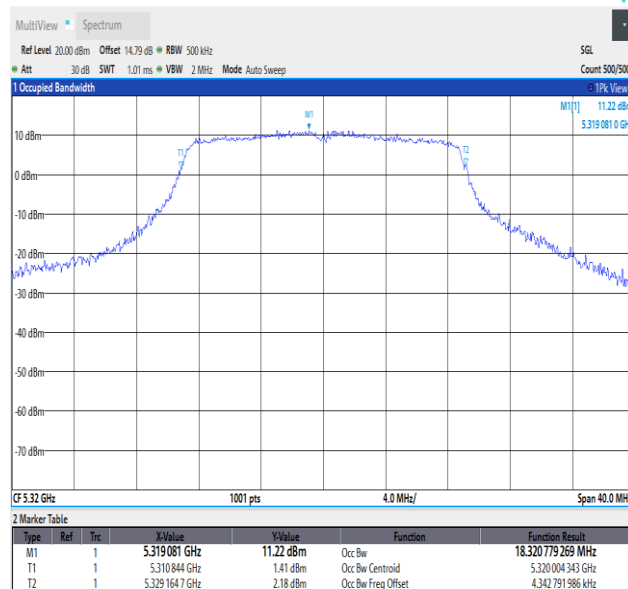
11N20SISO-Ant1-5240



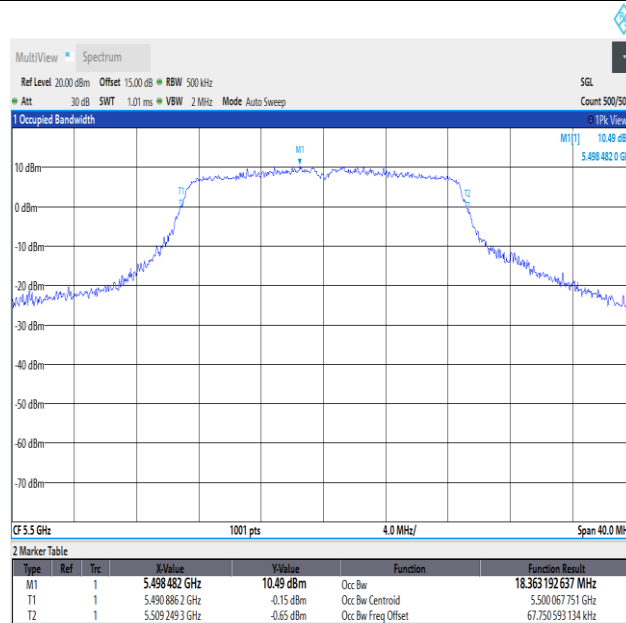
11N20SISO-Ant1-5260



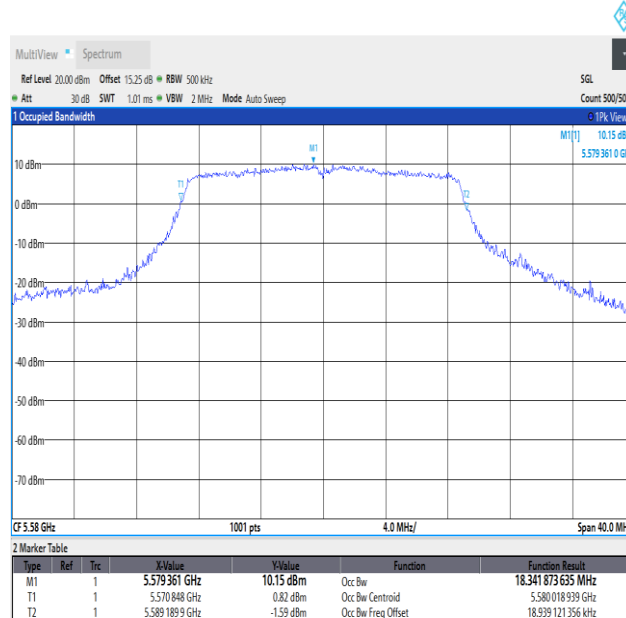
11N20SISO-Ant1-5300



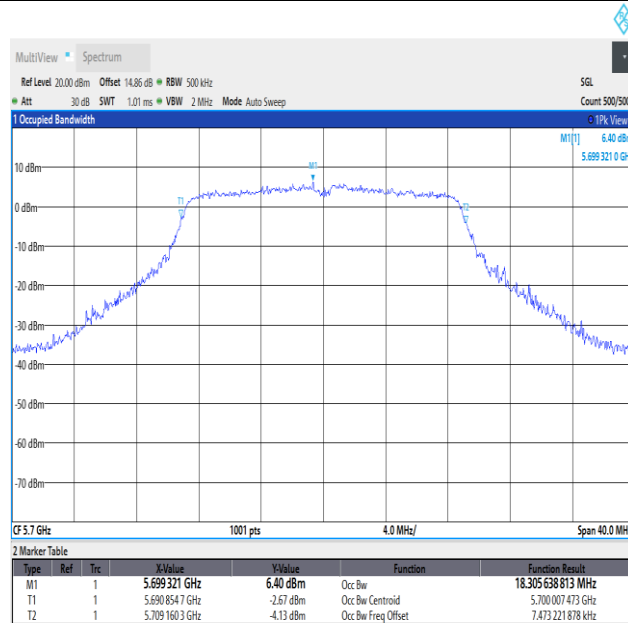
11N20SISO-Ant1-5320



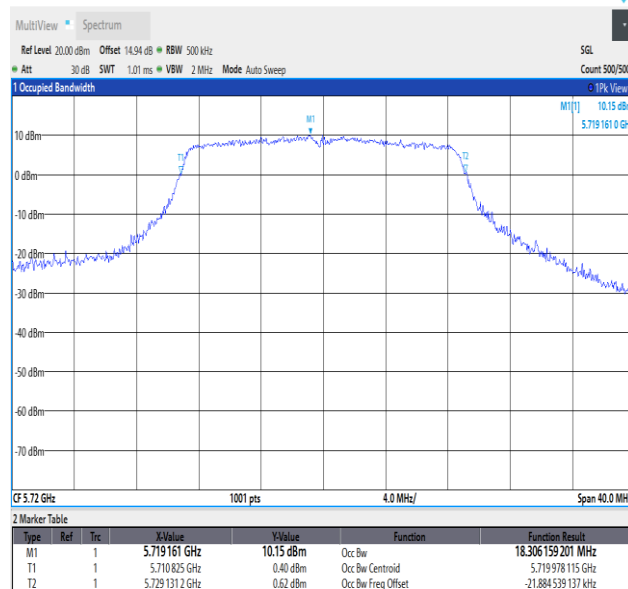
11N20SISO-Ant1-5500



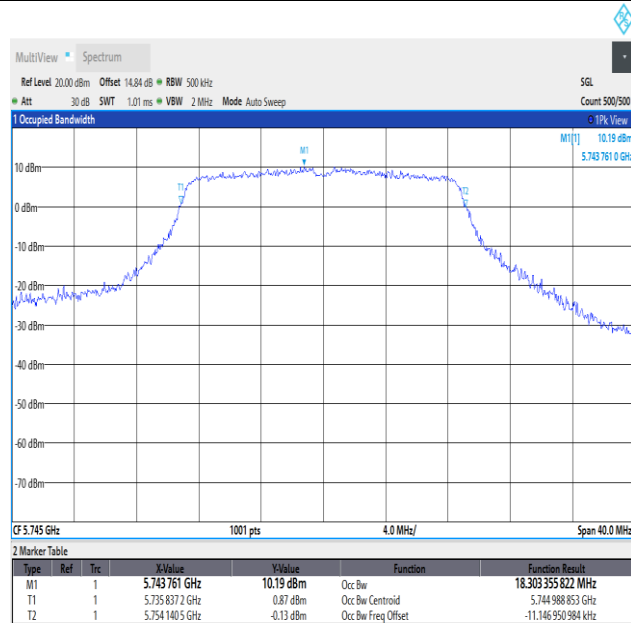
11N20SISO-Ant1-5580



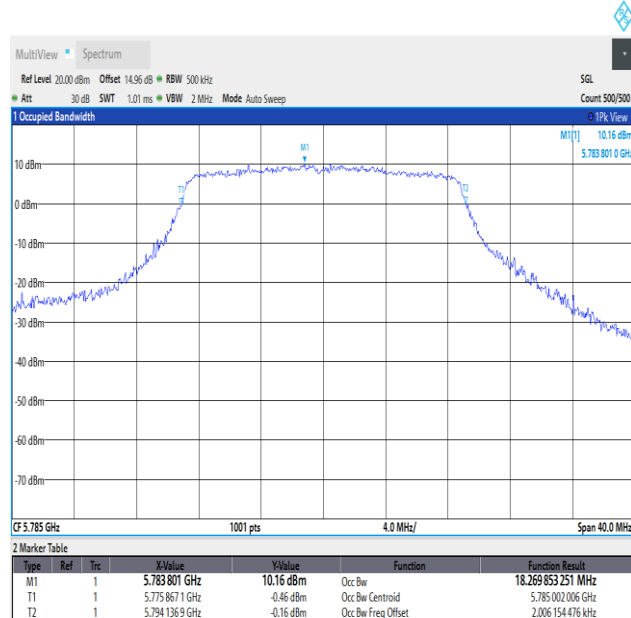
11N20SISO-Ant1-5700



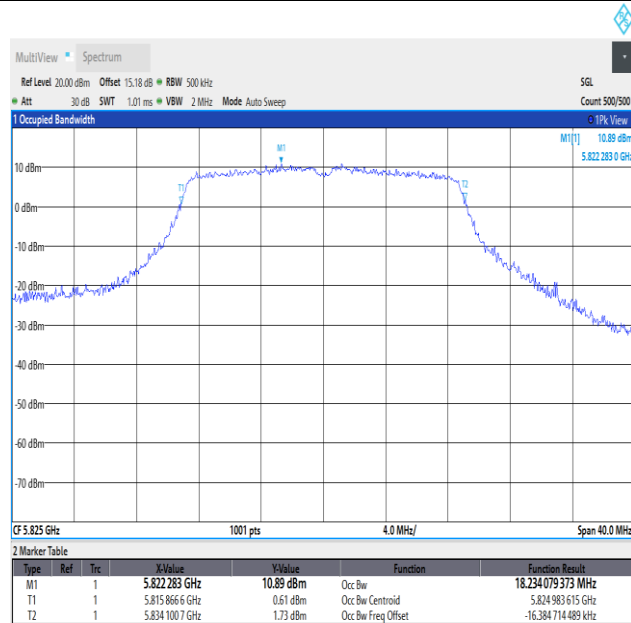
11N20SISO-Ant1-5720



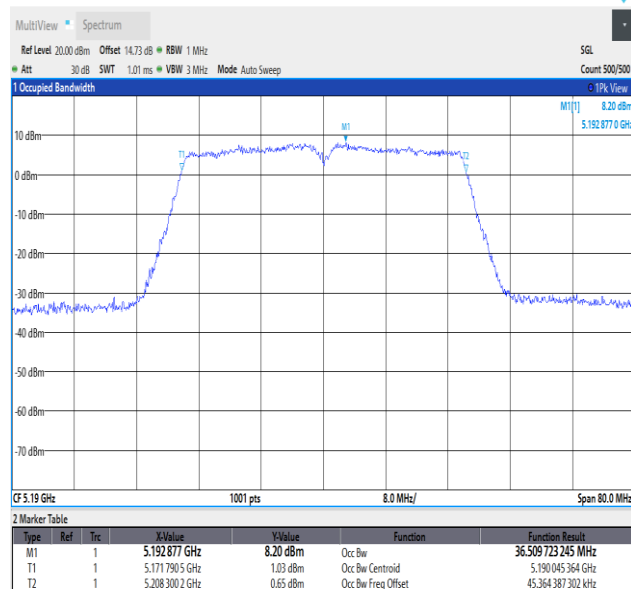
11N20SISO-Ant1-5745



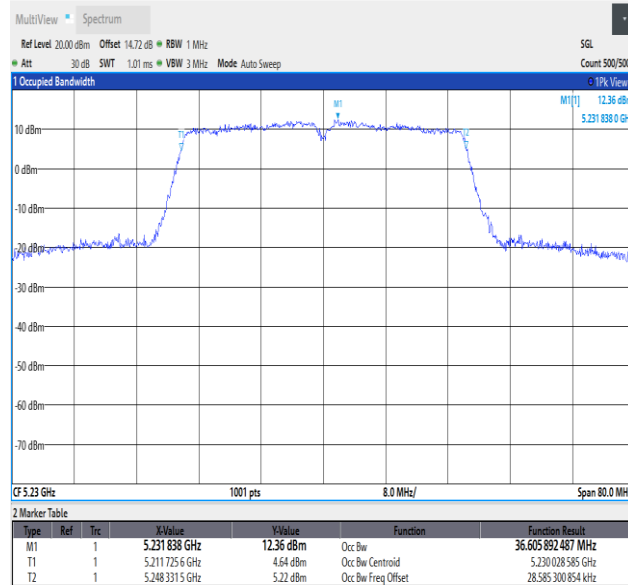
11N20SISO-Ant1-5785



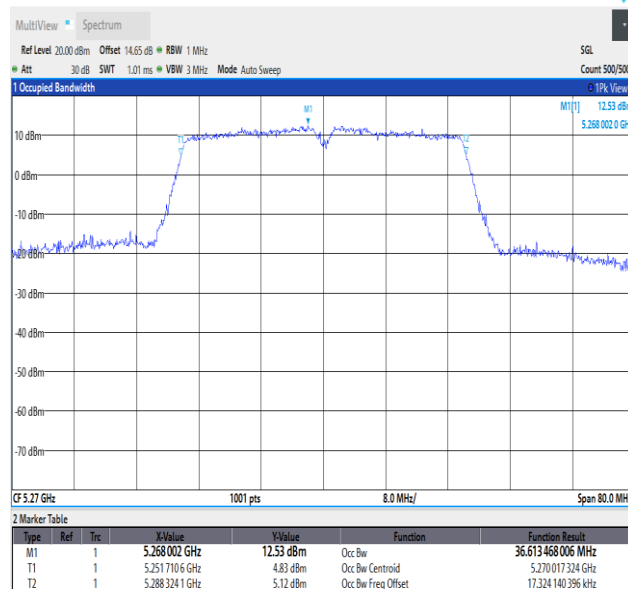
11N20SISO-Ant1-5825



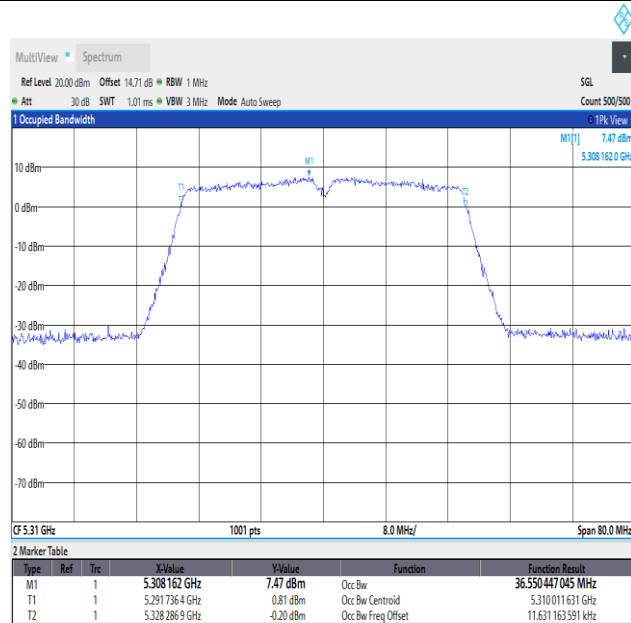
11N40SISO-Ant1-5190



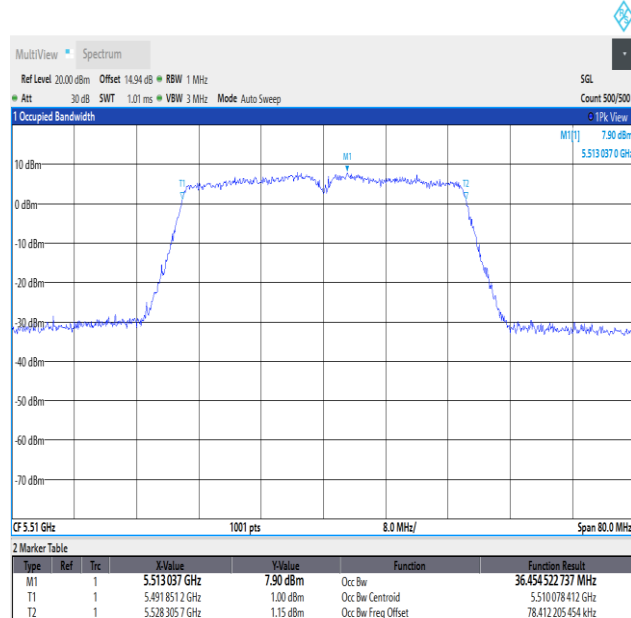
11N40SISO-Ant1-5230



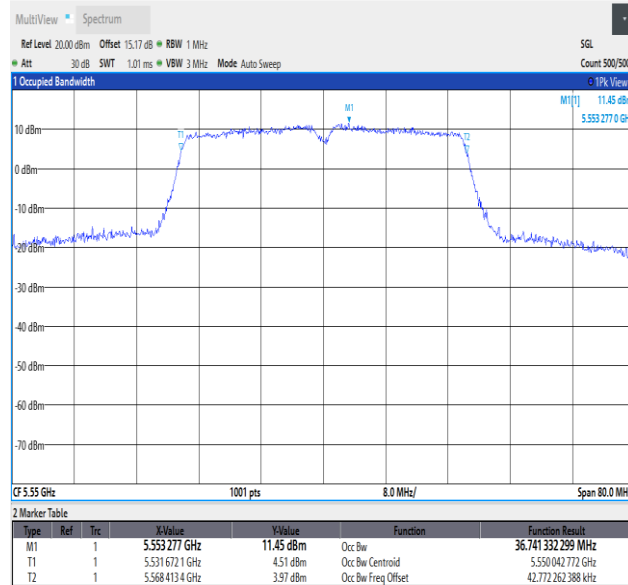
11N40SISO-Ant1-5270



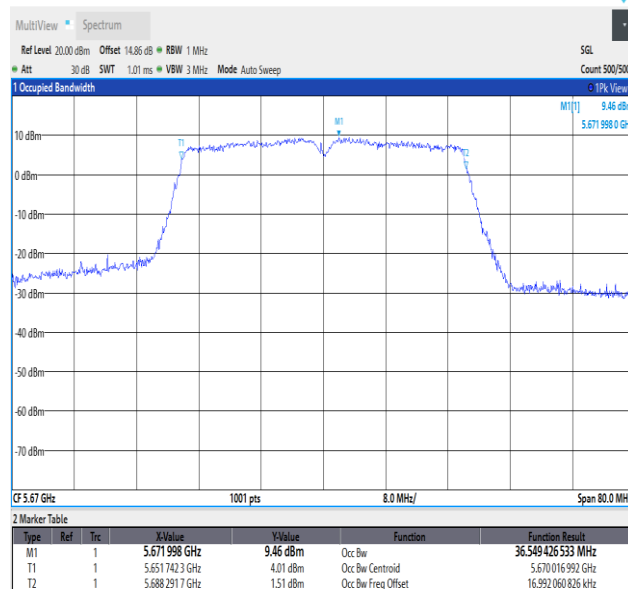
11N40SISO-Ant1-5310



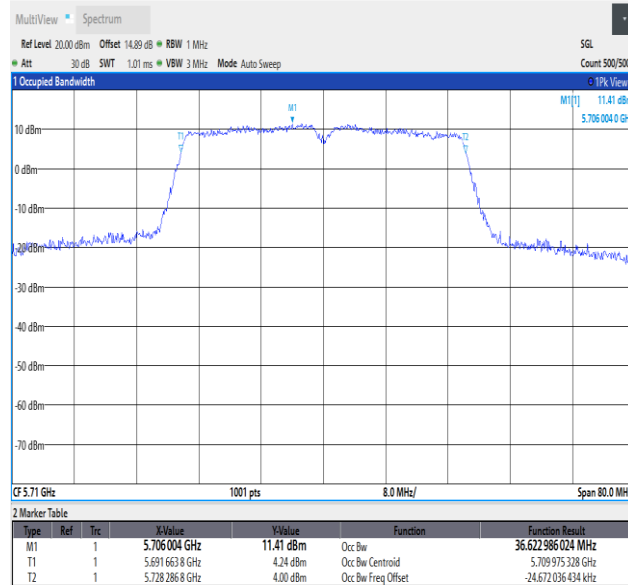
11N40SISO-Ant1-5510



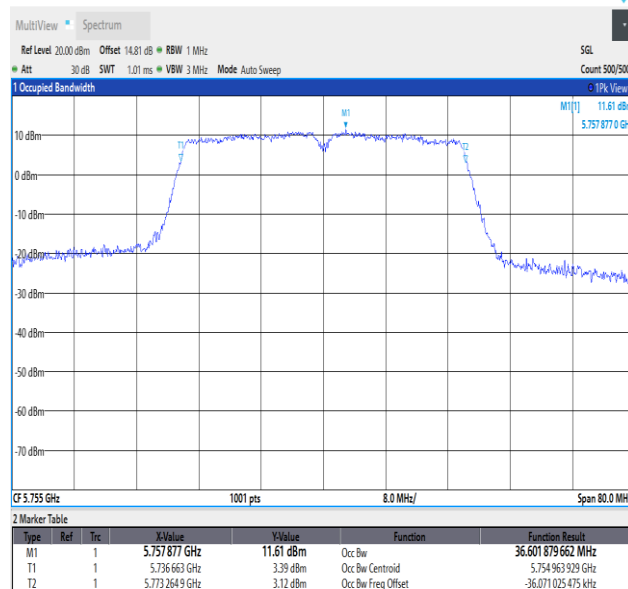
11N40SISO-Ant1-5550



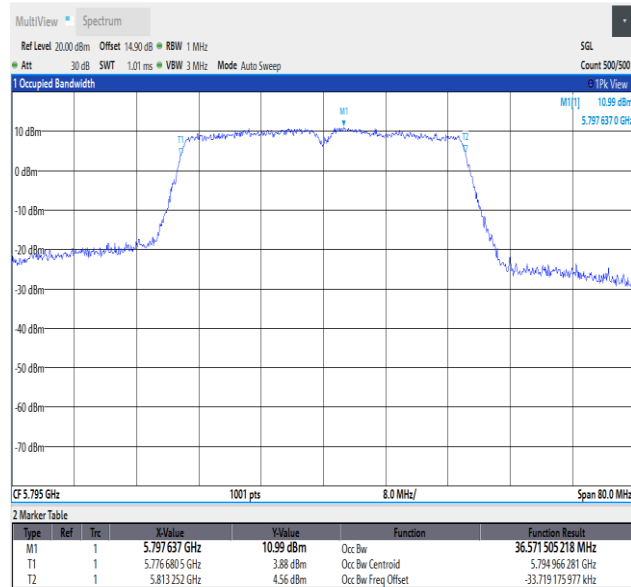
11N40SISO-Ant1-5670



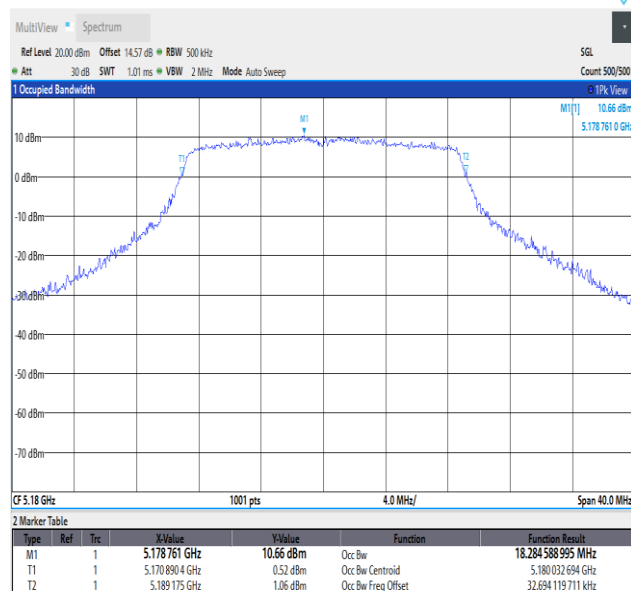
11N40SISO-Ant1-5710



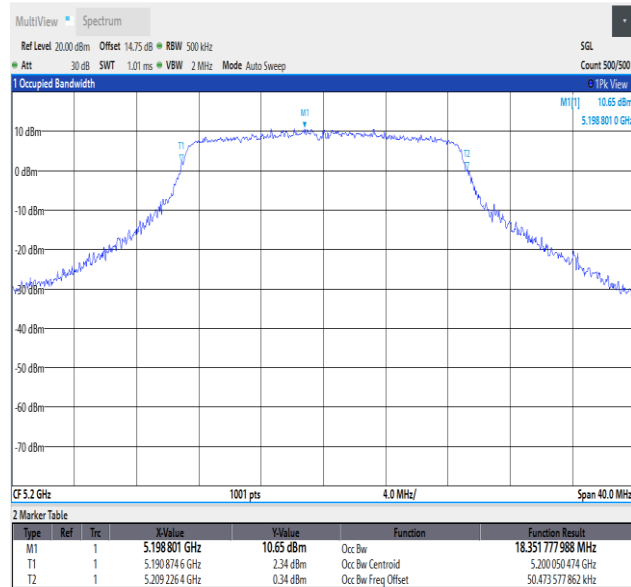
11N40SISO-Ant1-5755



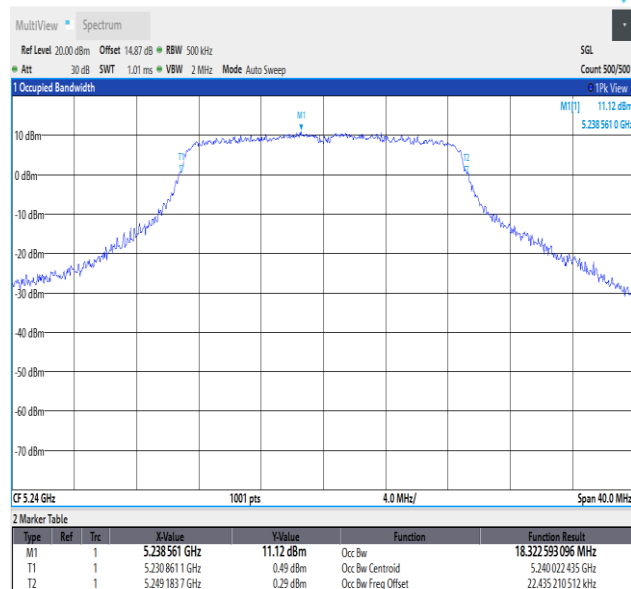
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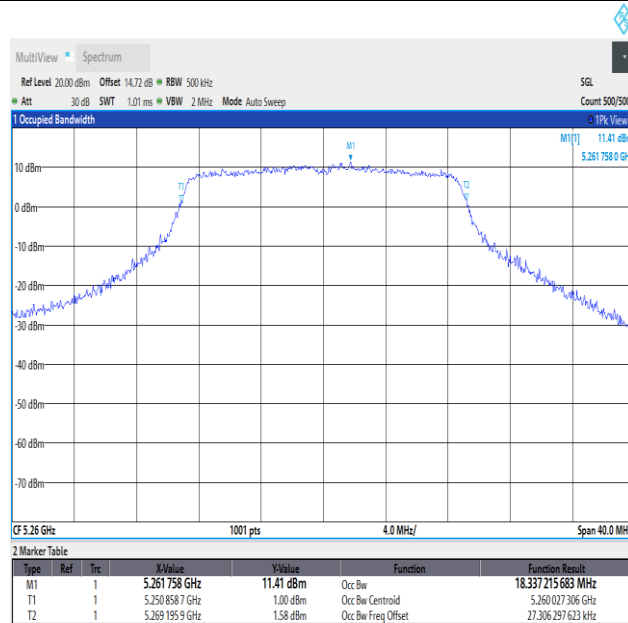
11AC20SISO-Ant1-5180



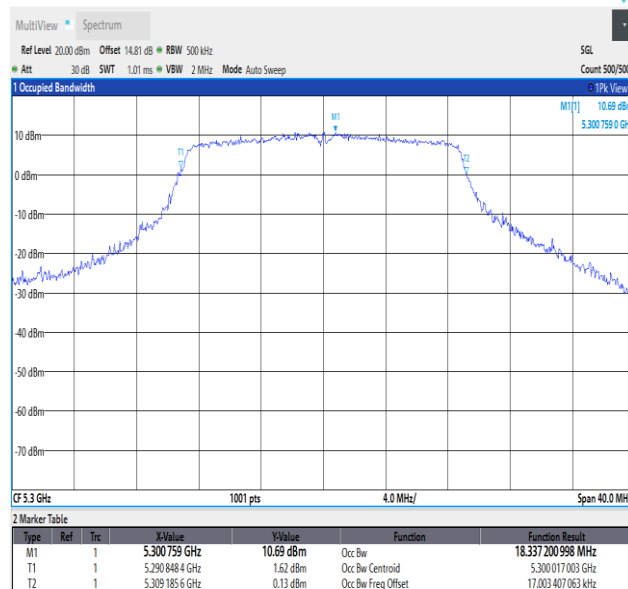
11AC20SISO-Ant1-5200



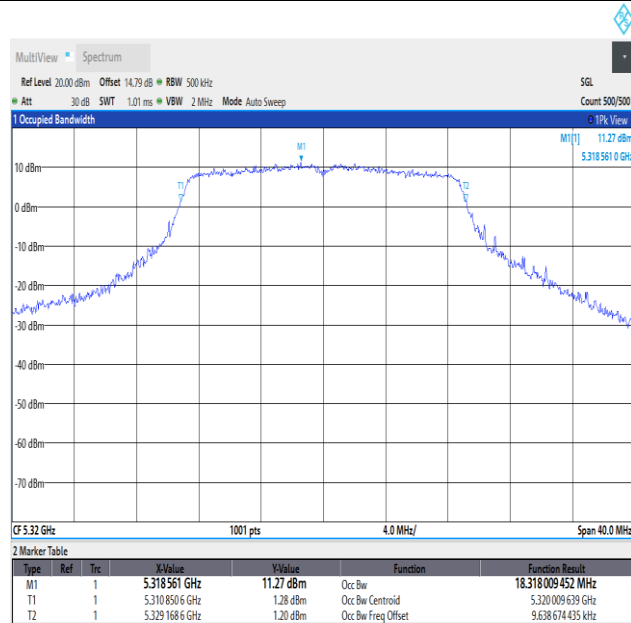
11AC20SISO-Ant1-5240



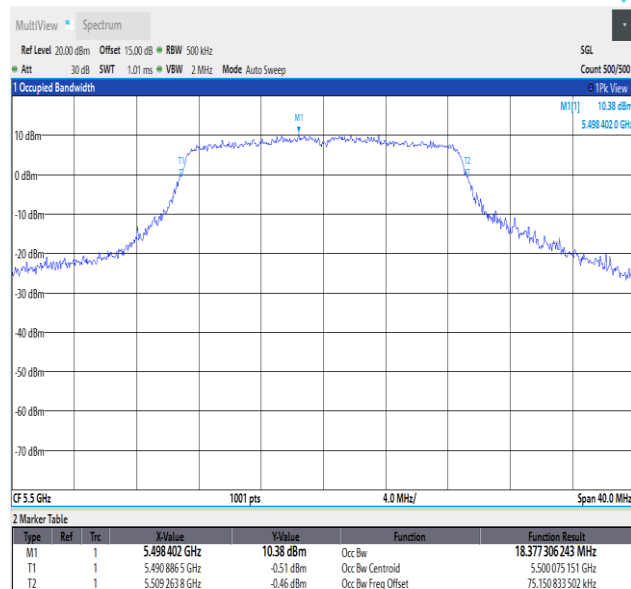
11AC20SISO-Ant1-5260



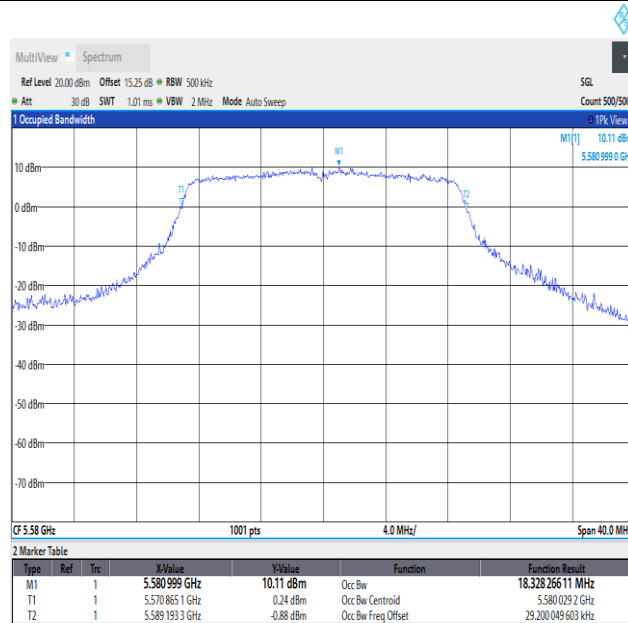
11AC20SISO-Ant1-5300



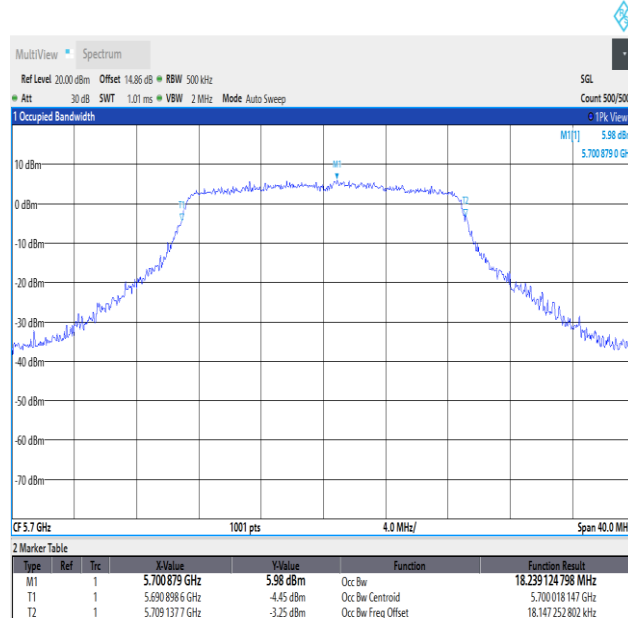
11AC20SISO-Ant1-5320



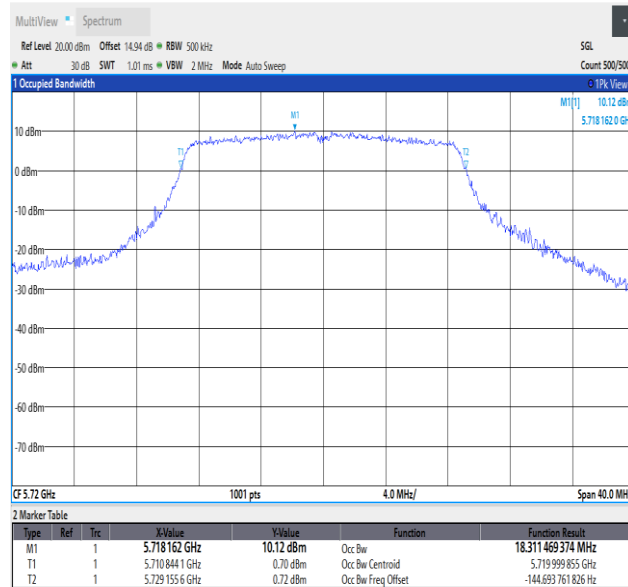
11AC20SISO-Ant1-5500



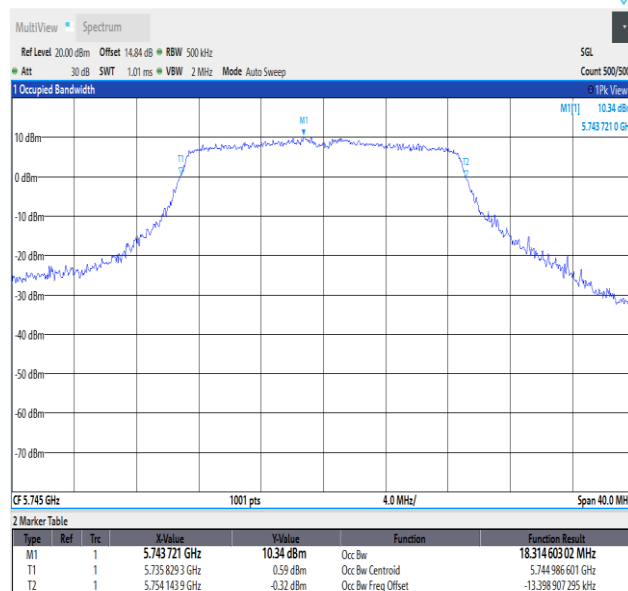
11AC20SISO-Ant1-5580



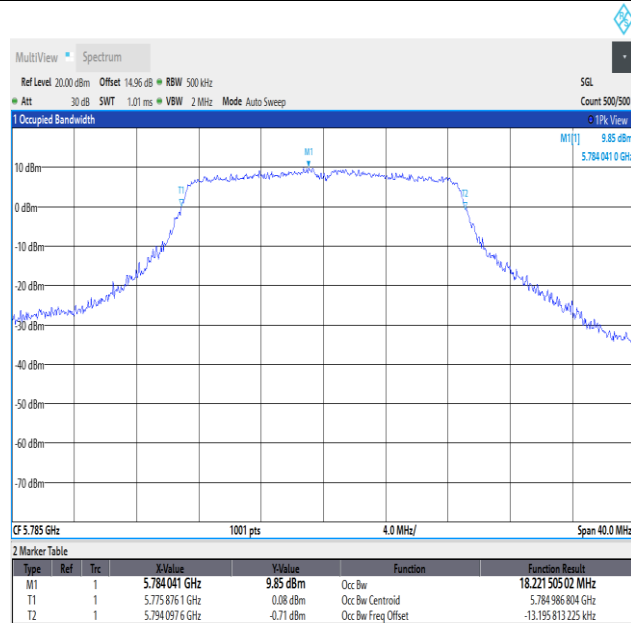
11AC20SISO-Ant1-5700



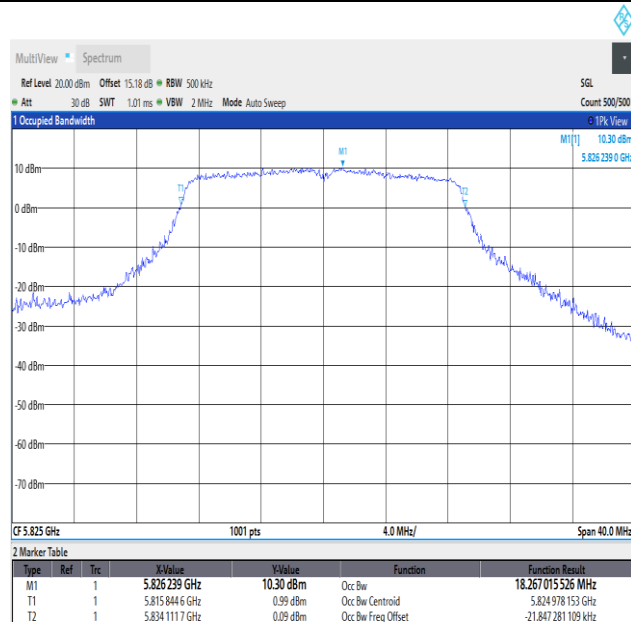
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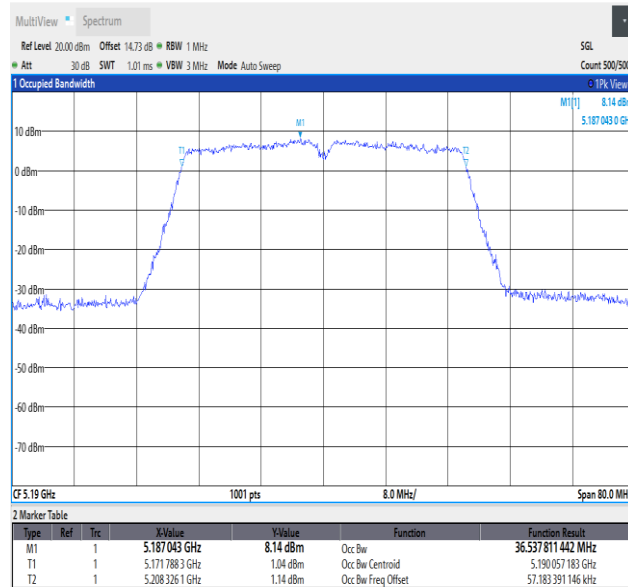
11AC20SISO-Ant1-5745



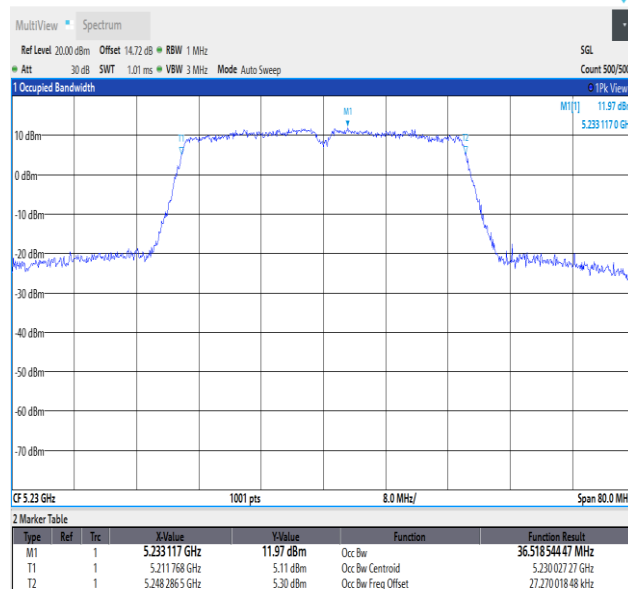
11AC20SISO-Ant1-5785



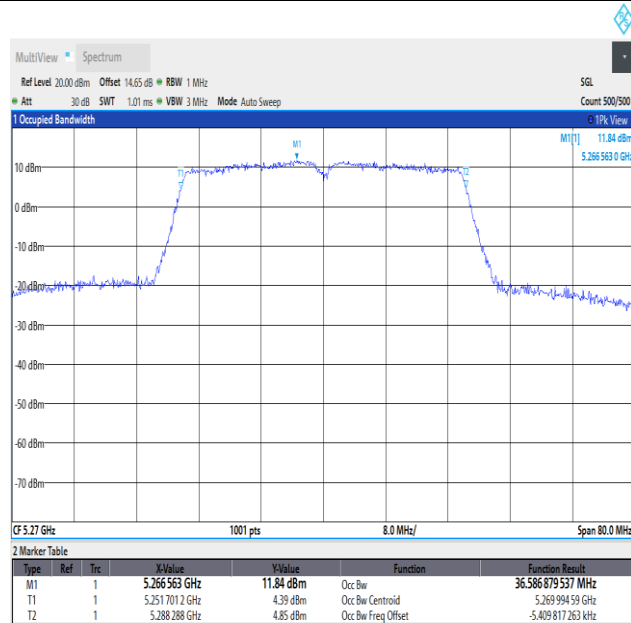
11AC20SISO-Ant1-5825



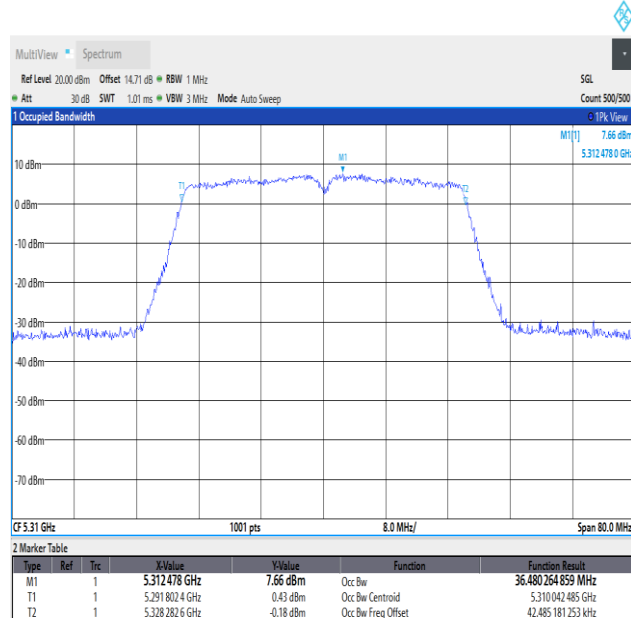
11AC40SISO-Ant1-5190



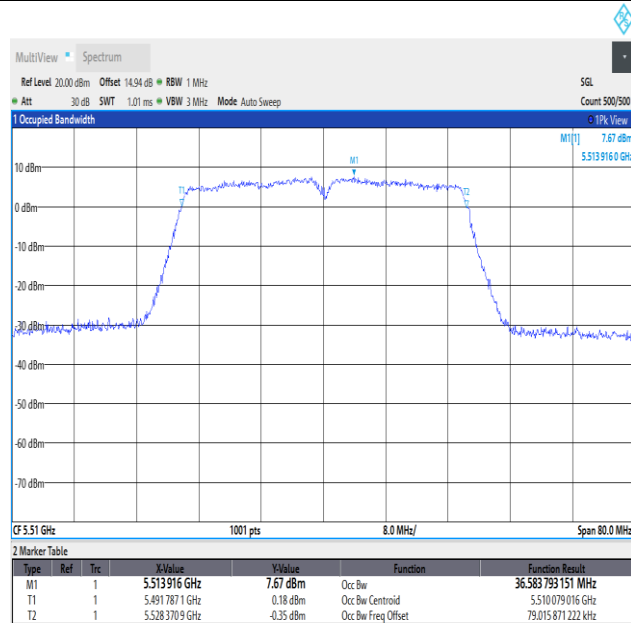
11AC40SISO-Ant1-5230



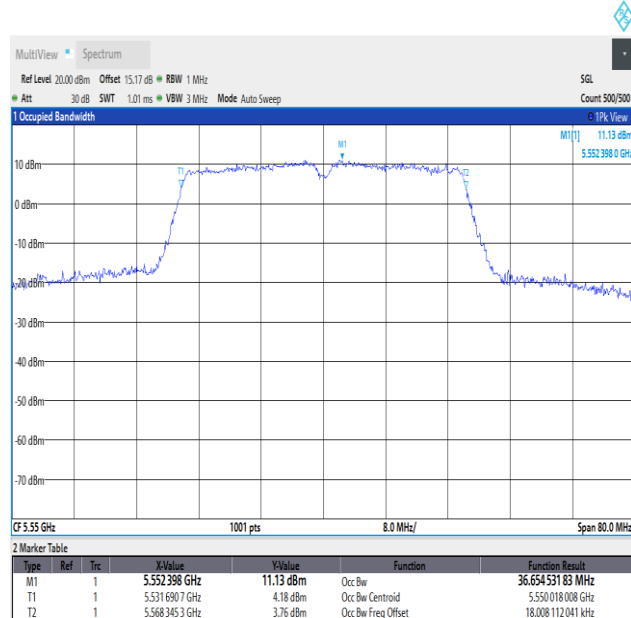
11AC40SISO-Ant1-5270



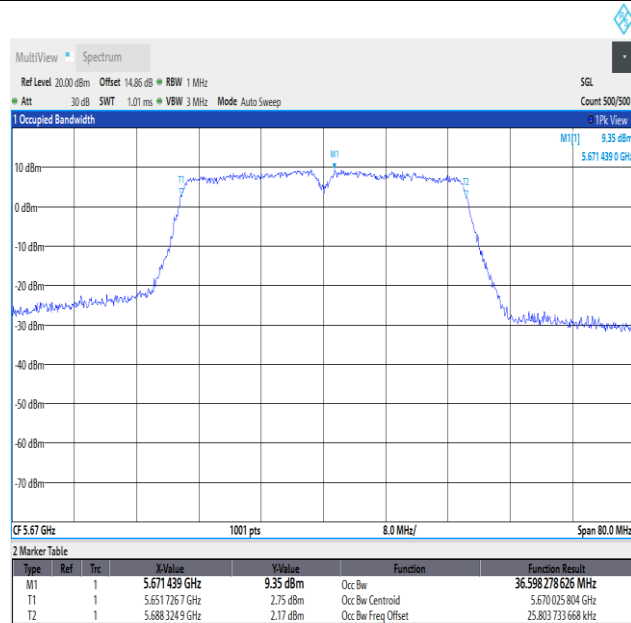
11AC40SISO-Ant1-5310



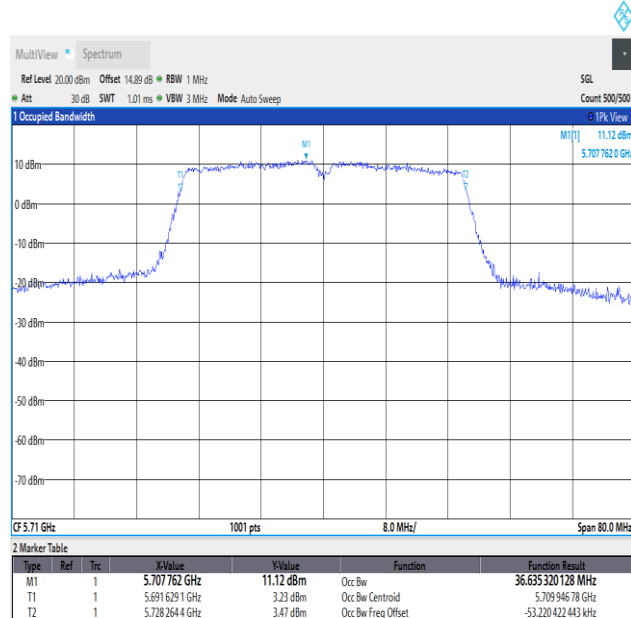
11AC40SISO-Ant1-5510



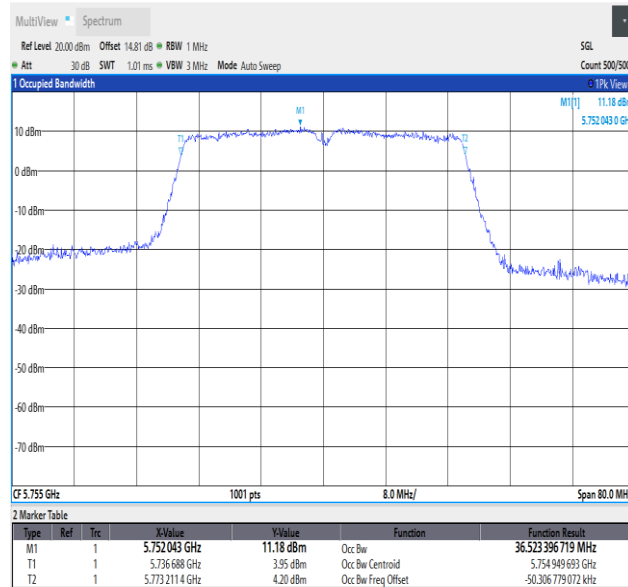
11AC40SISO-Ant1-5550



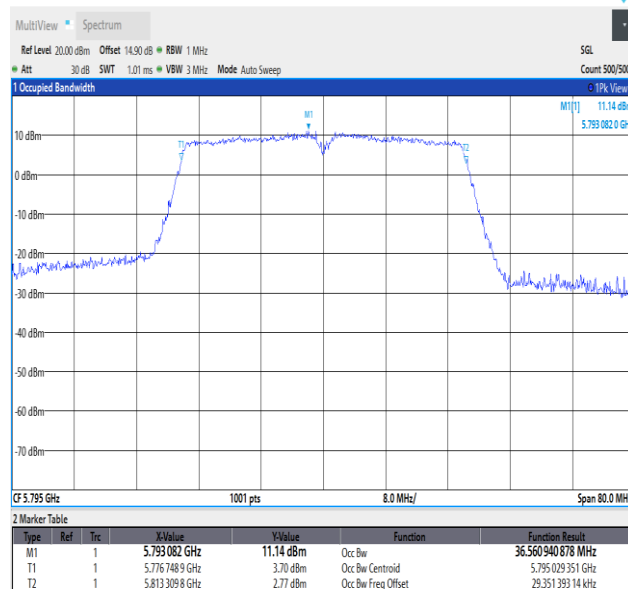
11AC40SISO-Ant1-5670



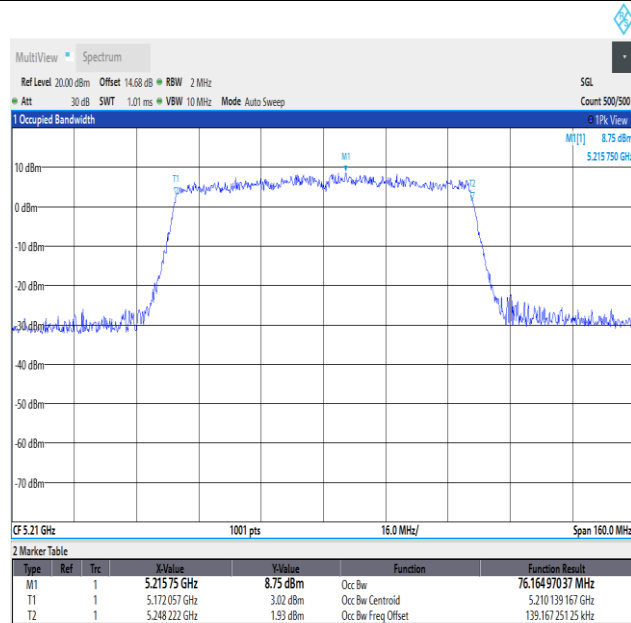
11AC40SISO-Ant1-5710



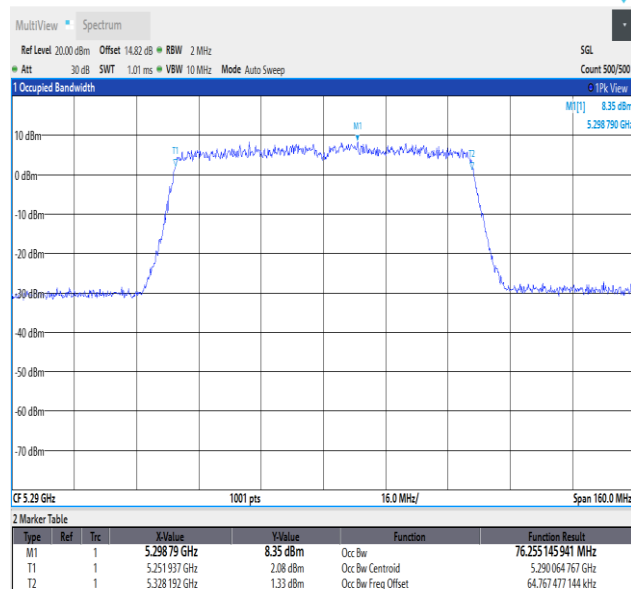
11AC40SISO-Ant1-5755



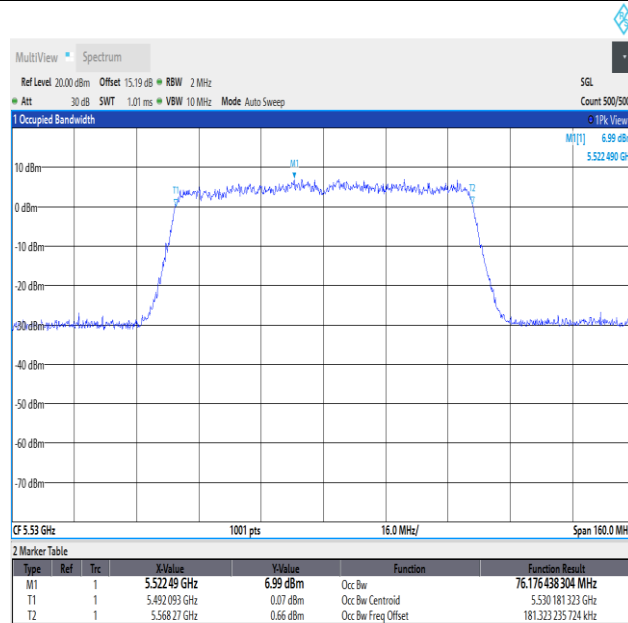
11AC40SISO-Ant1-5795



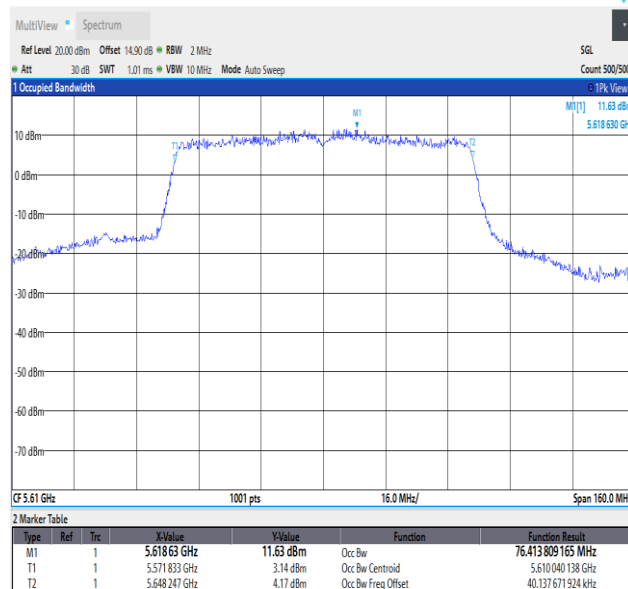
11AC80SISO-Ant1-5210



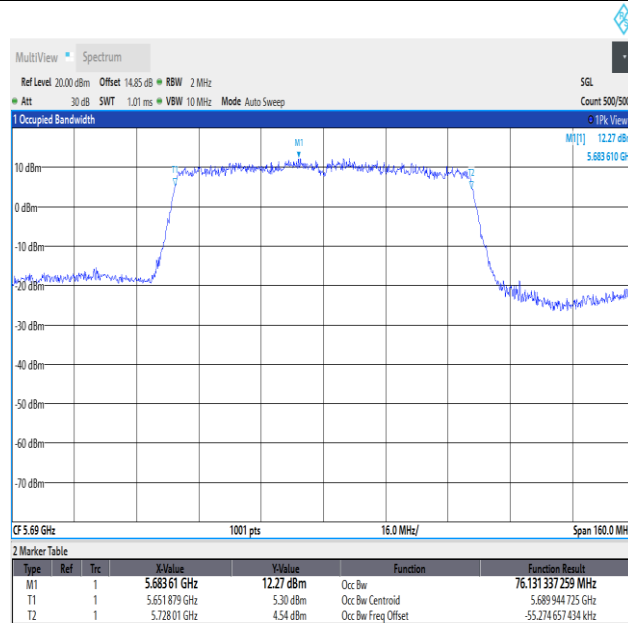
11AC80SISO-Ant1-5290



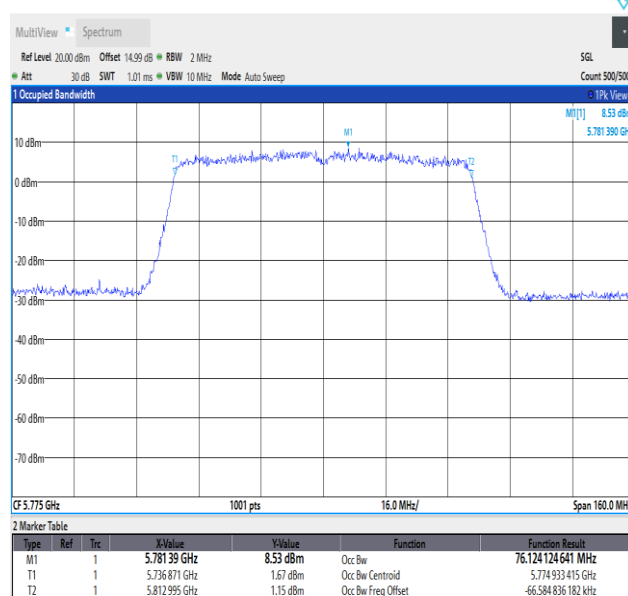
11AC80SISO-Ant1-5530



11AC80SISO-Ant1-5610



11AC80SISO-Ant1-5690



11AC80SISO-Ant1-5775

4.6 Power Spectral Density

4.6.1 Limit

Refer to FCC §15.407(a).

Frequency Band (MHz)	Version
5150-5250	11 dBm/MHz
5250-5350	11 dBm/MHz
5470-5725	11 dBm/MHz
5725-5850	30 dBm/500kHz

4.6.2 Test Procedure

Refer to KDB 789033 D02 II F

For devices operating in the bands 5.15–5.25 GHz, 5.25–5.35 GHz, and 5.47–5.725 GHz:

Measure the duty cycle.

Set span to encompass the entire emission bandwidth (EBW) of the signal.

Set RBW = 1 MHz.

Set VBW $\geq$ 3 MHz.

Number of points in sweep $\geq$ 2 Span / RBW.

Sweep time = auto.

Detector = RMS

Trace average at least 100 traces in power averaging mode.

Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add $10 \log(1/0.25) = 6\text{dB}$ if the duty cycle is 25 percent.

For devices operating in the band 5.725–5.85 GHz:

Measure the duty cycle.

Set span to encompass the entire emission bandwidth (EBW) of the signal.

Set RBW = 500KHz (or 300 kHz if the SA can't set RBW=500KHz). If the SA can't set RBW=500KHz, then add $10 \log(500\text{kHz}/\text{RBW})$ to the test result.

Set VBW ≥ 1 MHz.

Number of points in sweep ≥ 2 Span / RBW.

Sweep time = auto.

Detector = RMS

Trace average at least 100 traces in power averaging mode.

Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times. For example, add $10 \log(1/0.25) = 6\text{dB}$ if the duty cycle is 25 percent.

4.6.3 Test Setup

See section 3.5.1 for test setup.

The photo of test setup please refer to ANNEX B.

4.6.4 Test Results

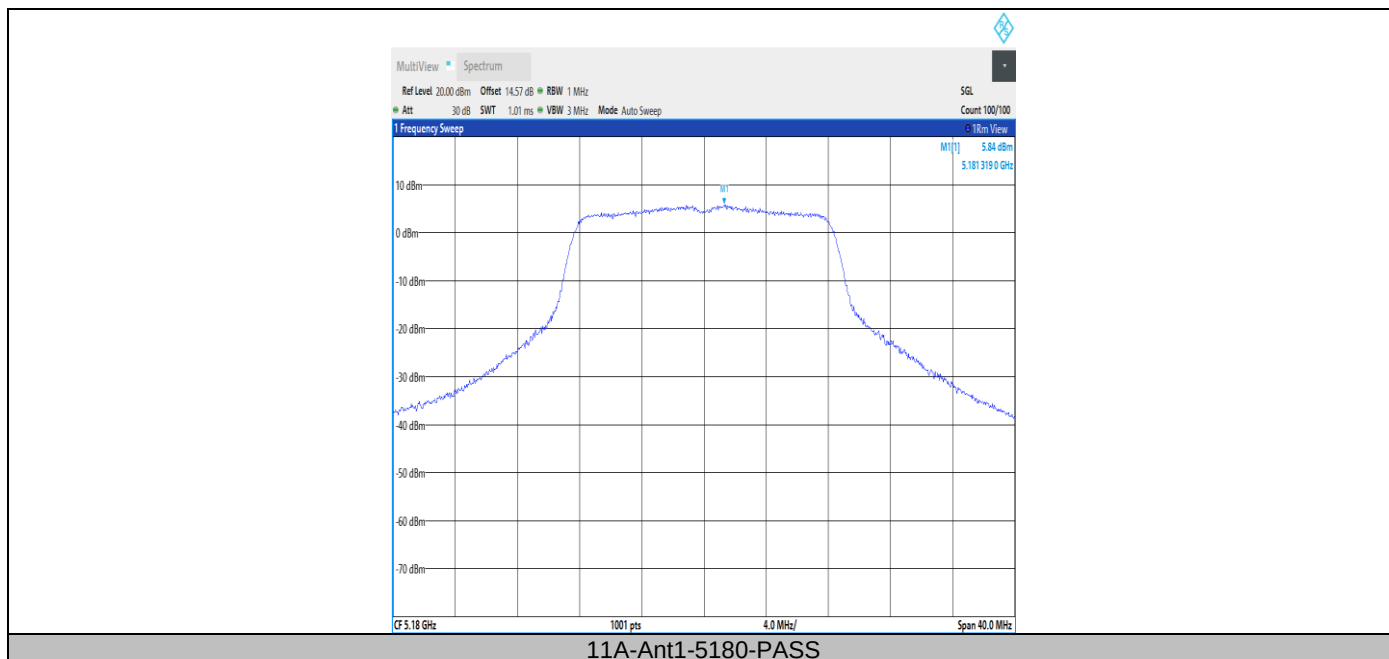
The detailed test data:

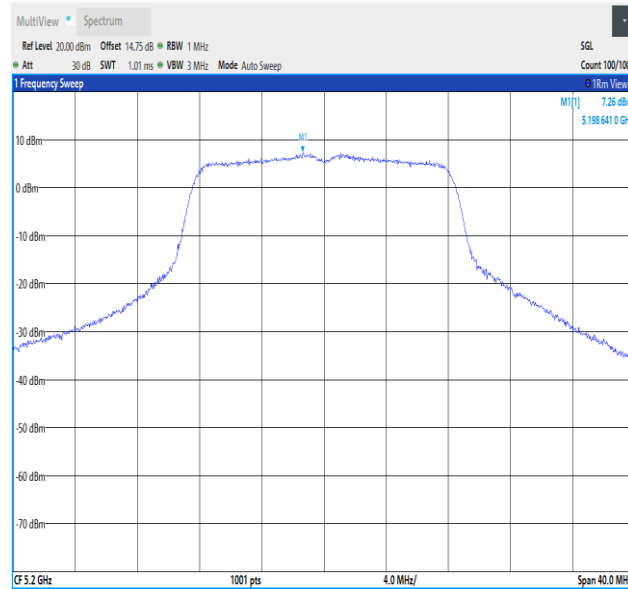
TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	5.92	≤11.00	PASS
11A	Ant1	5200	7.34	≤11.00	PASS
11A	Ant1	5220	7.37	≤11.00	PASS
11A	Ant1	5240	7.46	≤11.00	PASS
11A	Ant1	5260	7.86	≤11.00	PASS
11A	Ant1	5300	7.45	≤11.00	PASS
11A	Ant1	5320	6.75	≤11.00	PASS
11A	Ant1	5500	6.40	≤11.00	PASS
11A	Ant1	5580	6.24	≤11.00	PASS
11A	Ant1	5700	3.55	≤11.00	PASS
11A	Ant1	5720 UNII-2C	6.57	≤11.00	PASS
11A	Ant1	5720 UNII-3	1.54	≤30.00	PASS
11A	Ant1	5745	3.45	≤30.00	PASS
11A	Ant1	5785	3.39	≤30.00	PASS
11A	Ant1	5825	3.89	≤30.00	PASS
11N20SISO	Ant1	5180	6.02	≤11.00	PASS
11N20SISO	Ant1	5200	6.31	≤11.00	PASS
11N20SISO	Ant1	5220	6.33	≤11.00	PASS
11N20SISO	Ant1	5240	6.49	≤11.00	PASS
11N20SISO	Ant1	5260	6.67	≤11.00	PASS
11N20SISO	Ant1	5300	6.69	≤11.00	PASS
11N20SISO	Ant1	5320	6.91	≤11.00	PASS
11N20SISO	Ant1	5500	5.53	≤11.00	PASS
11N20SISO	Ant1	5580	5.72	≤11.00	PASS
11N20SISO	Ant1	5700	1.45	≤11.00	PASS
11N20SISO	Ant1	5720 UNII-2C	5.71	≤11.00	PASS
11N20SISO	Ant1	5720 UNII-3	1.06	≤30.00	PASS
11N20SISO	Ant1	5745	3.03	≤30.00	PASS
11N20SISO	Ant1	5785	2.78	≤30.00	PASS
11N20SISO	Ant1	5825	3.40	≤30.00	PASS
11N40SISO	Ant1	5190	-0.54	≤11.00	PASS
11N40SISO	Ant1	5230	3.71	≤11.00	PASS
11N40SISO	Ant1	5270	3.71	≤11.00	PASS
11N40SISO	Ant1	5310	-0.68	≤11.00	PASS
11N40SISO	Ant1	5510	-0.76	≤11.00	PASS
11N40SISO	Ant1	5550	3.24	≤11.00	PASS
11N40SISO	Ant1	5670	1.40	≤11.00	PASS
11N40SISO	Ant1	5710 UNII-2C	3.03	≤11.00	PASS
11N40SISO	Ant1	5710 UNII-3	-2.39	≤30.00	PASS
11N40SISO	Ant1	5755	-0.11	≤30.00	PASS
11N40SISO	Ant1	5795	-0.12	≤30.00	PASS
11AC20SISO	Ant1	5180	5.93	≤11.00	PASS
11AC20SISO	Ant1	5200	5.87	≤11.00	PASS
11AC20SISO	Ant1	5240	6.59	≤11.00	PASS
11AC20SISO	Ant1	5260	6.42	≤11.00	PASS
11AC20SISO	Ant1	5300	6.23	≤11.00	PASS
11AC20SISO	Ant1	5320	6.66	≤11.00	PASS
11AC20SISO	Ant1	5500	5.78	≤11.00	PASS
11AC20SISO	Ant1	5580	4.99	≤11.00	PASS
11AC20SISO	Ant1	5700	1.32	≤11.00	PASS
11AC20SISO	Ant1	5720 UNII-2C	5.32	≤11.00	PASS
11AC20SISO	Ant1	5720 UNII-3	0.83	≤30.00	PASS
11AC20SISO	Ant1	5745	2.85	≤30.00	PASS
11AC20SISO	Ant1	5785	2.36	≤30.00	PASS
11AC20SISO	Ant1	5825	3.13	≤30.00	PASS

11AC40SISO	Ant1	5190	-0.49	≤11.00	PASS
11AC40SISO	Ant1	5230	3.61	≤11.00	PASS
11AC40SISO	Ant1	5270	3.59	≤11.00	PASS
11AC40SISO	Ant1	5310	-0.98	≤11.00	PASS
11AC40SISO	Ant1	5510	-0.86	≤11.00	PASS
11AC40SISO	Ant1	5550	2.76	≤11.00	PASS
11AC40SISO	Ant1	5670	1.03	≤11.00	PASS
11AC40SISO	Ant1	5710 UNII-2C	2.85	≤11.00	PASS
11AC40SISO	Ant1	5710 UNII-3	-2.66	≤30.00	PASS
11AC40SISO	Ant1	5755	-0.09	≤30.00	PASS
11AC40SISO	Ant1	5795	-0.33	≤30.00	PASS
11AC80SISO	Ant1	5210	-4.46	≤11.00	PASS
11AC80SISO	Ant1	5290	-4.75	≤11.00	PASS
11AC80SISO	Ant1	5530	-5.81	≤11.00	PASS
11AC80SISO	Ant1	5610	-1.73	≤11.00	PASS
11AC80SISO	Ant1	5690 UNII-2C	-0.52	≤11.00	PASS
11AC80SISO	Ant1	5690 UNII-3	-6.07	≤30.00	PASS
11AC80SISO	Ant1	5775	-7.40	≤30.00	PASS

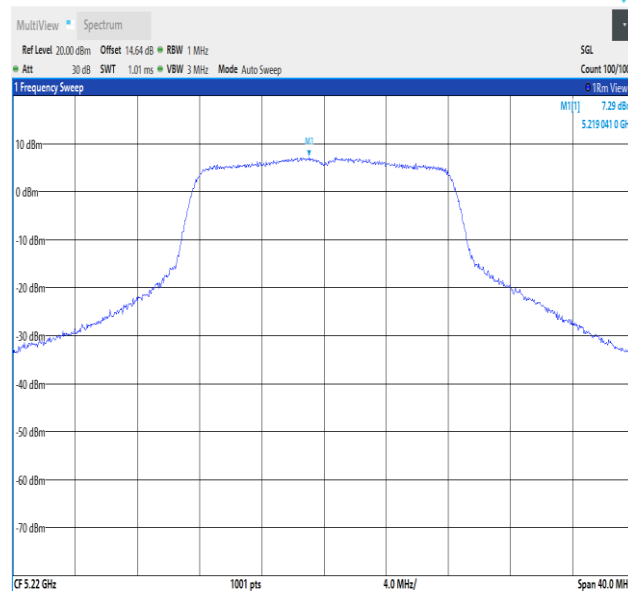
Note: The Result and Limit Unit is dBm/500 kHz in the band 5.725 - 5.85 GHz.

Test Graphs:

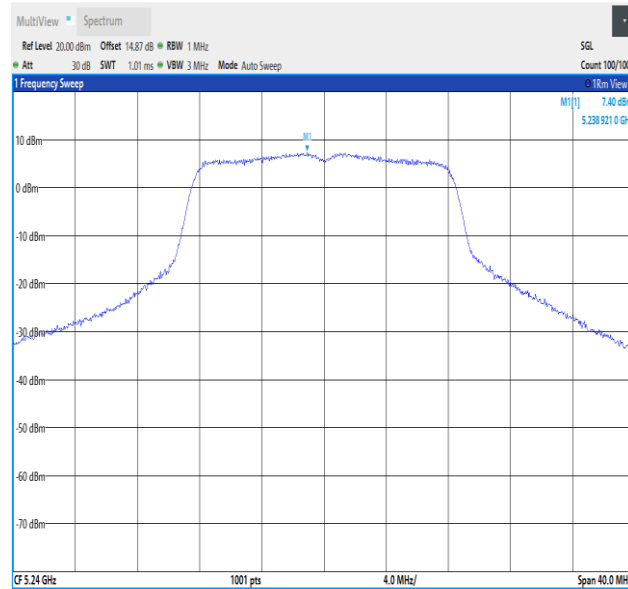




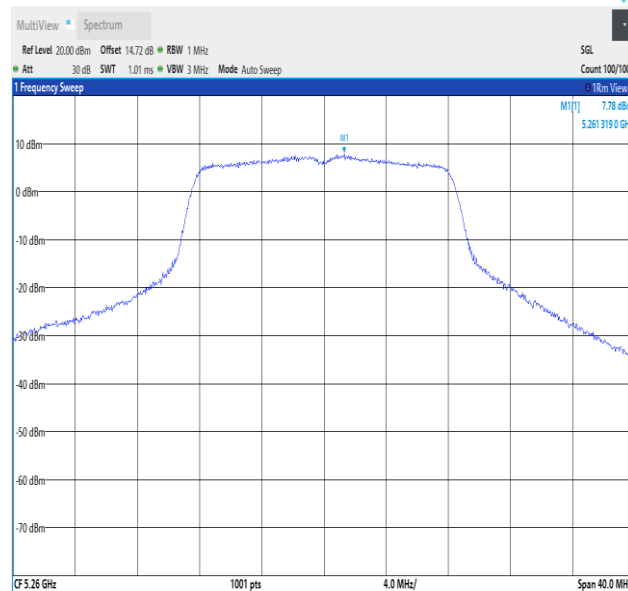
11A-Ant1-5200-PASS



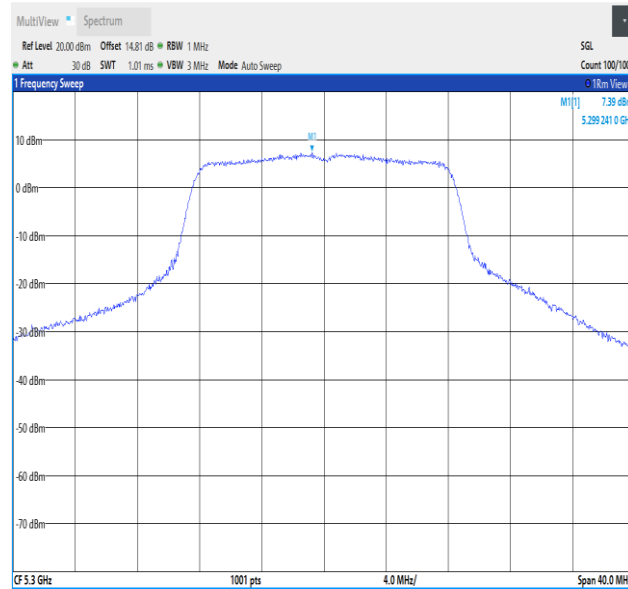
11A-Ant1-5220-PASS



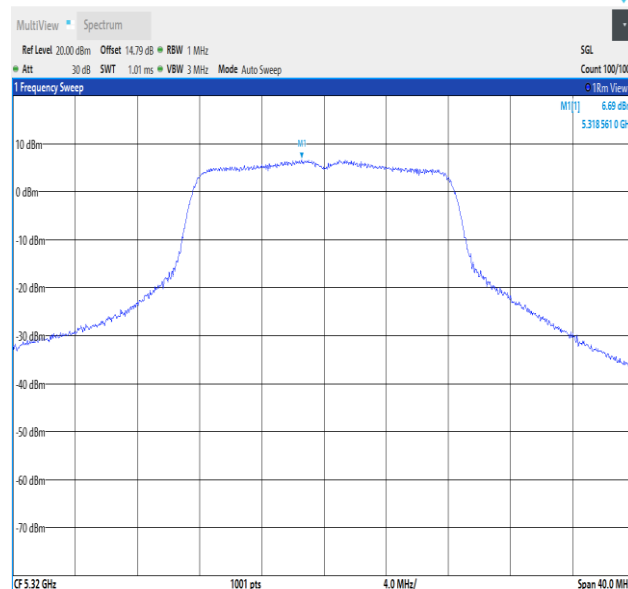
11A-Ant1-5240-PASS



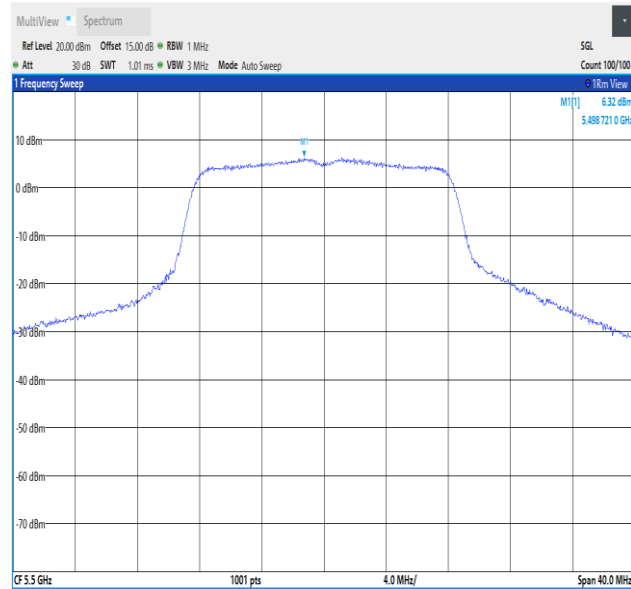
11A-Ant1-5260-PASS



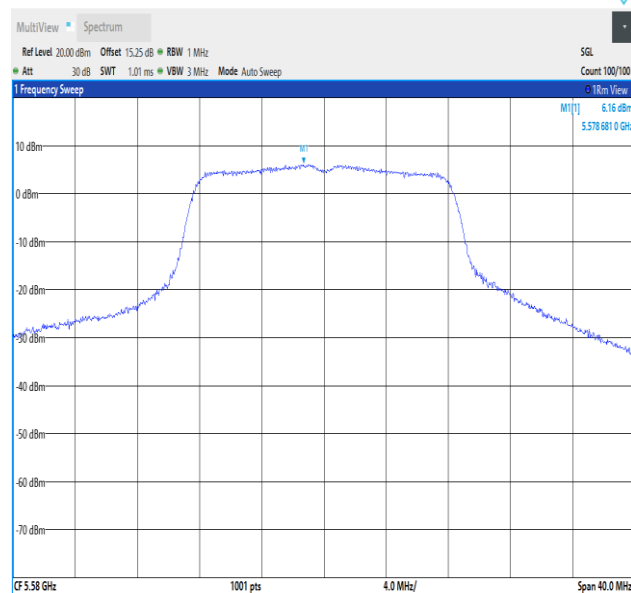
11A-Ant1-5300-PASS



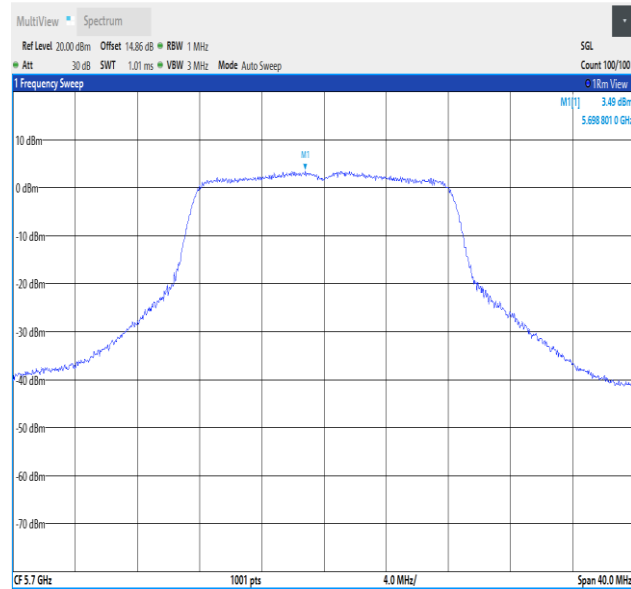
11A-Ant1-5320-PASS



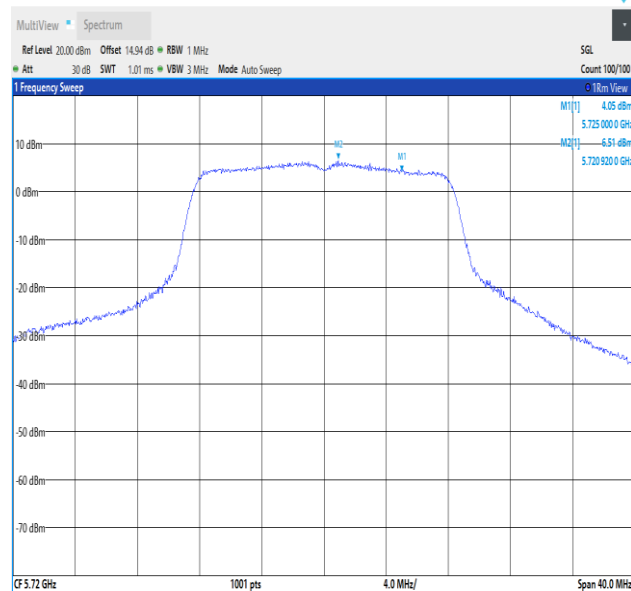
11A-Ant1-5500-PASS



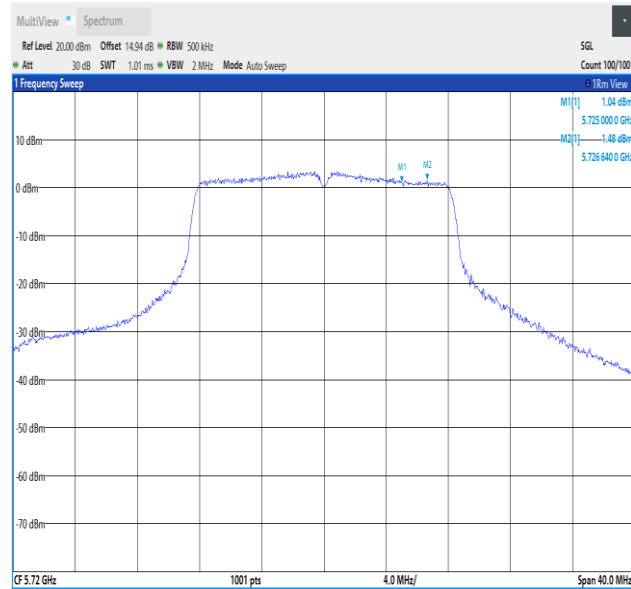
11A-Ant1-5580-PASS



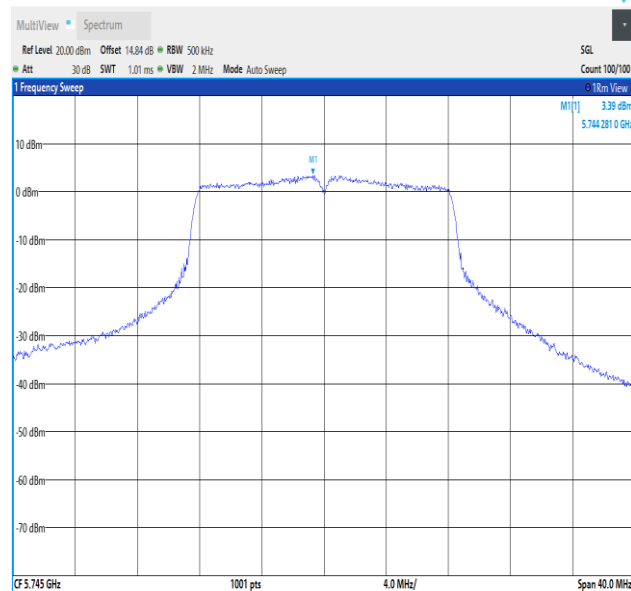
11A-Ant1-5700-PASS



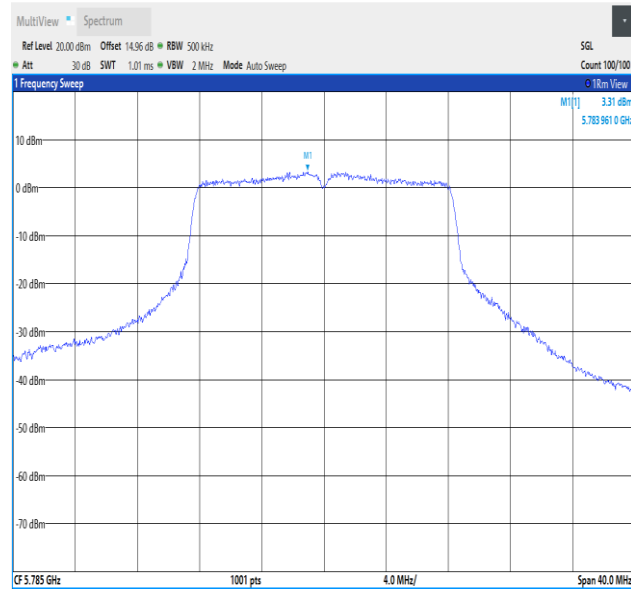
11A-Ant1-5720_UNII-2C-PASS



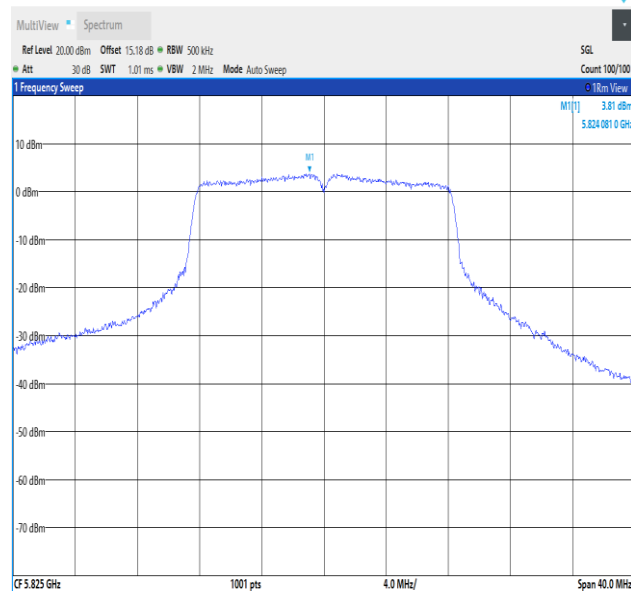
11A-Ant1-5720 UNII-3-PASS



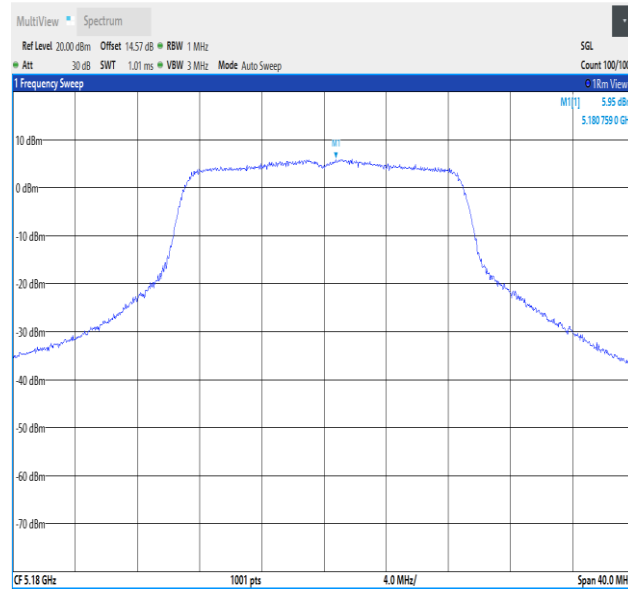
11A-Ant1-5745-PASS



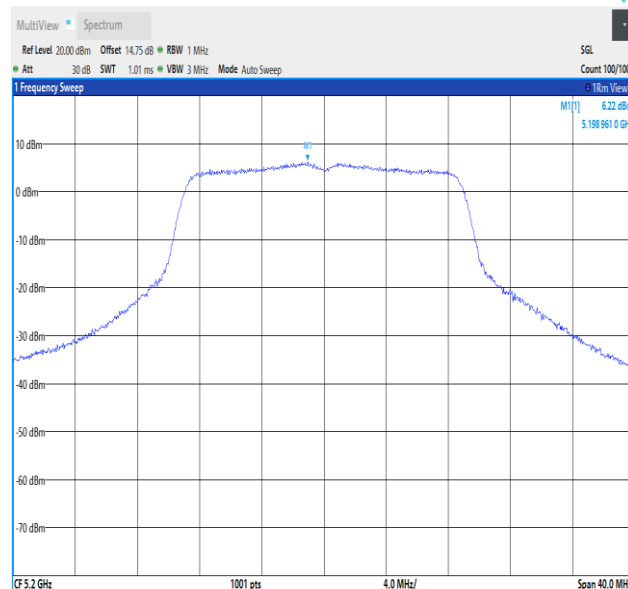
11A-Ant1-5785-PASS



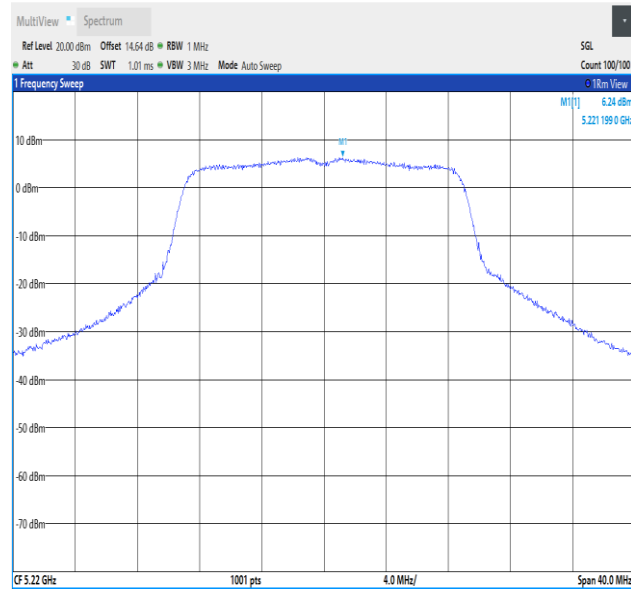
11A-Ant1-5825-PASS



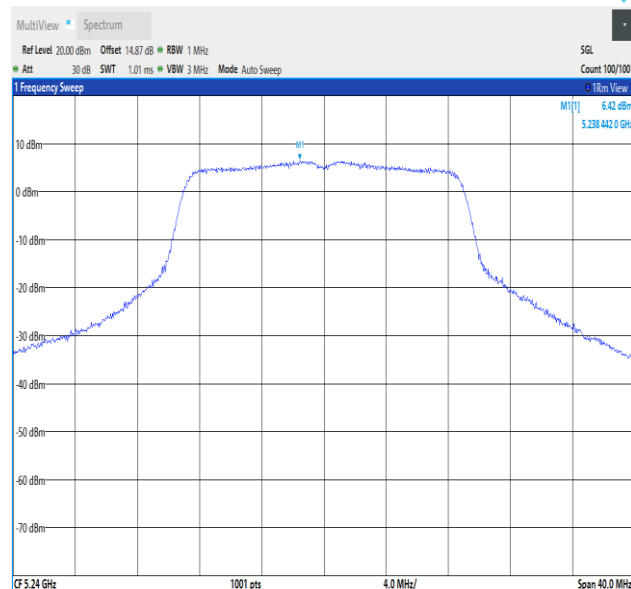
11N20SISO-Ant1-5180-PASS



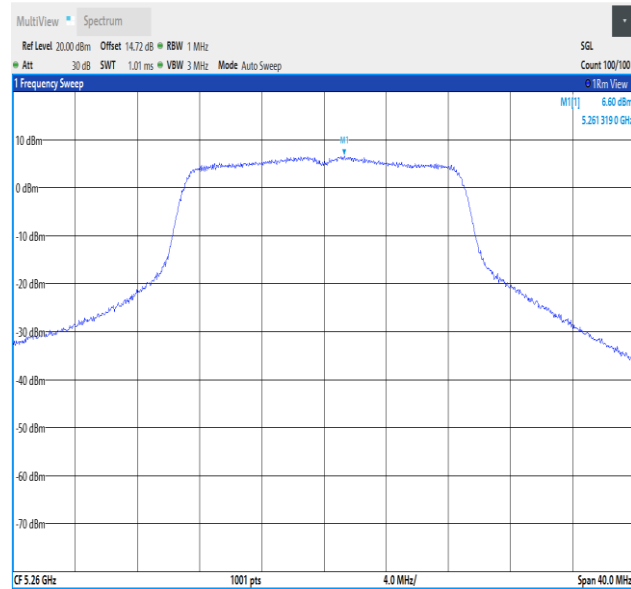
11N20SISO-Ant1-5200-PASS



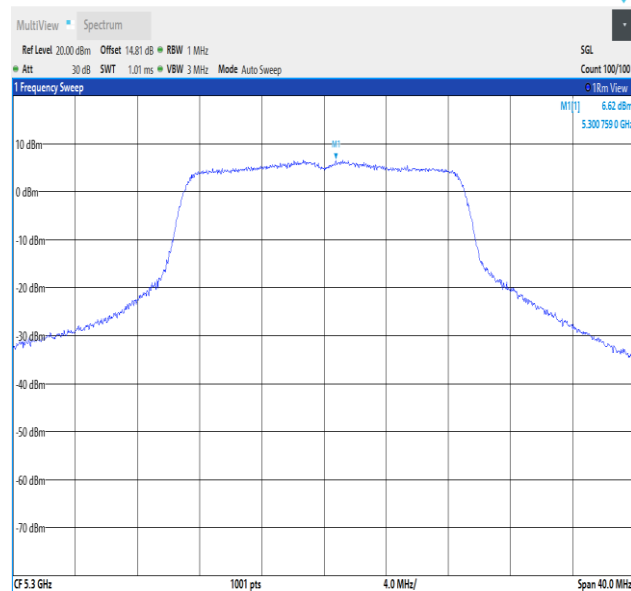
11N20SISO-Ant1-5220-PASS



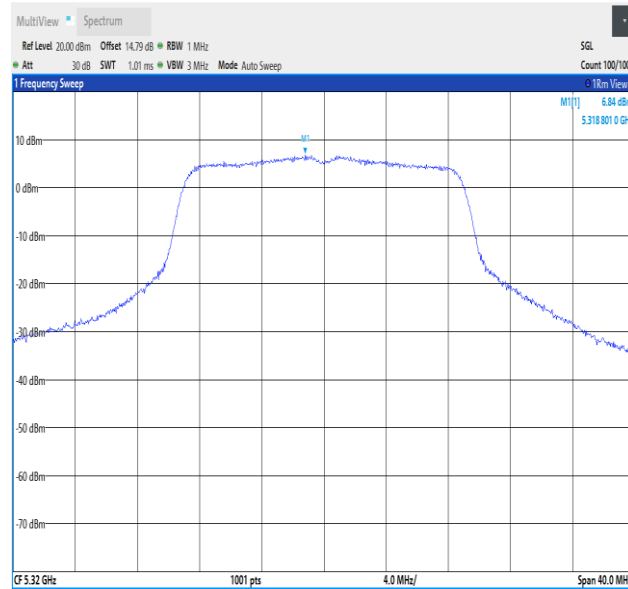
11N20SISO-Ant1-5240-PASS



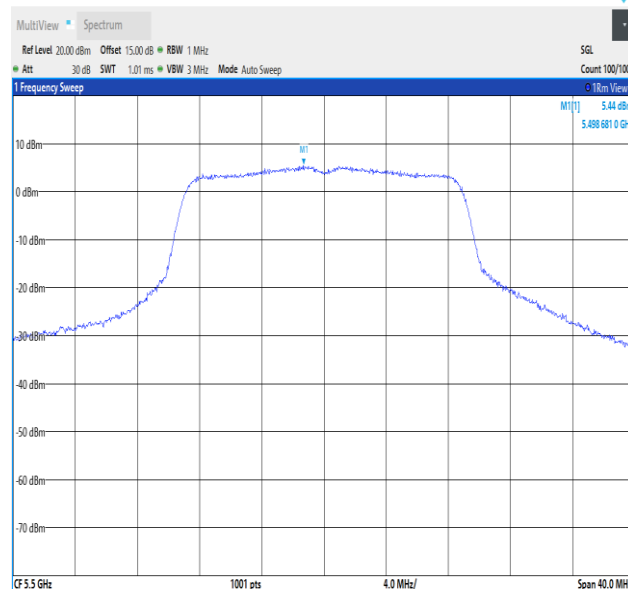
11N20SISO-Ant1-5260-PASS



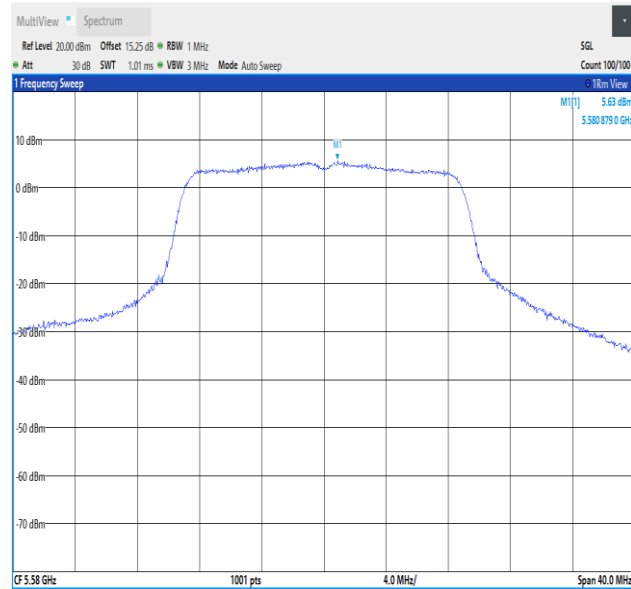
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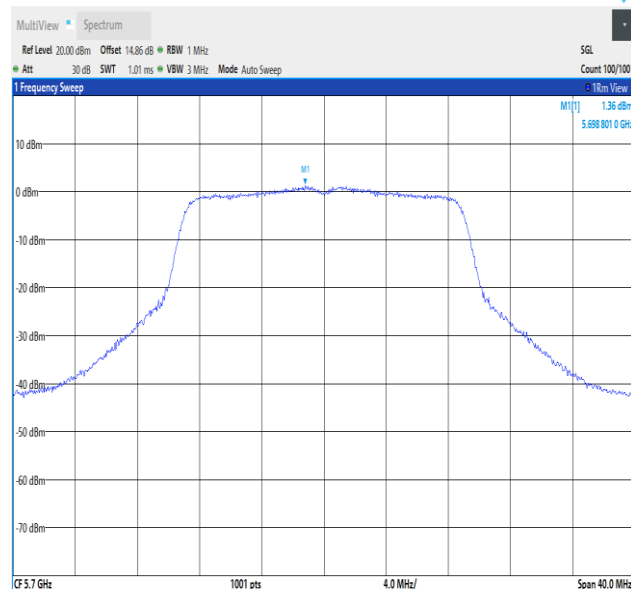
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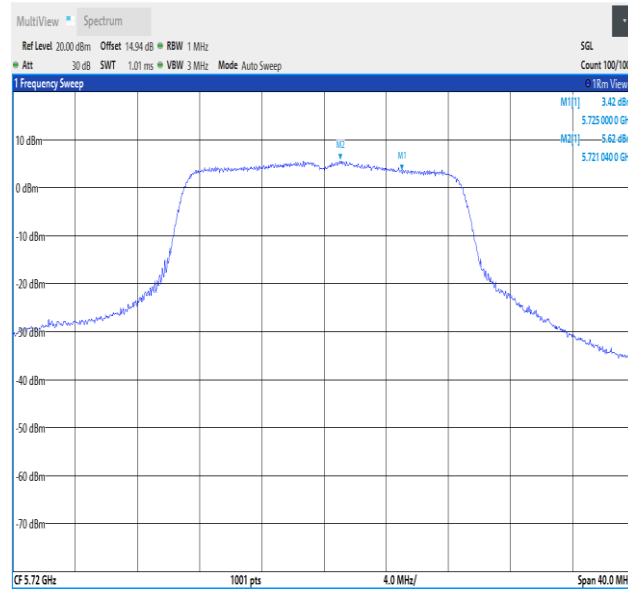
11N20SISO-Ant1-5500-PASS



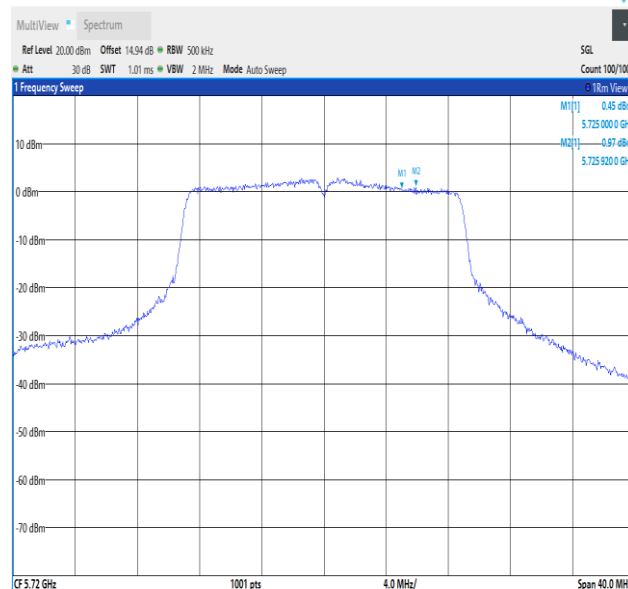
11N20SISO-Ant1-5580-PASS



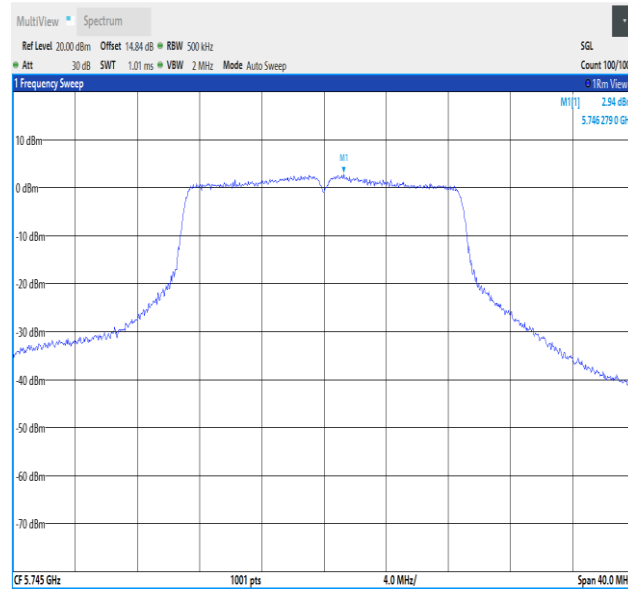
11N20SISO-Ant1-5700-PASS



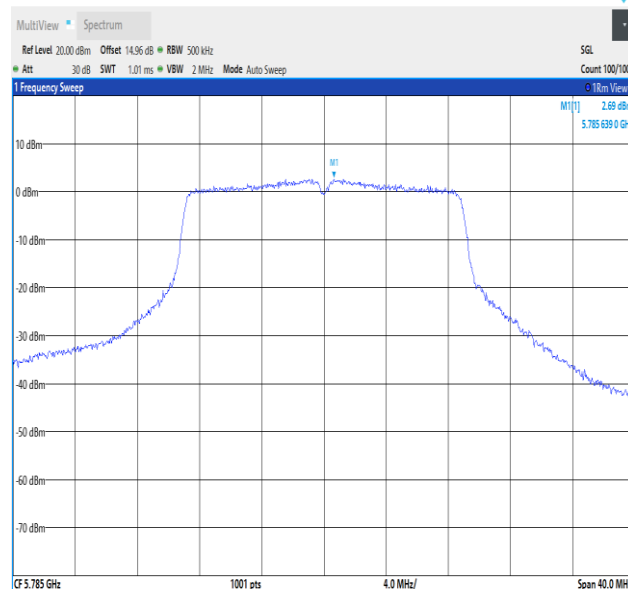
11N20SISO-Ant1-5720 UNII-2C-PASS



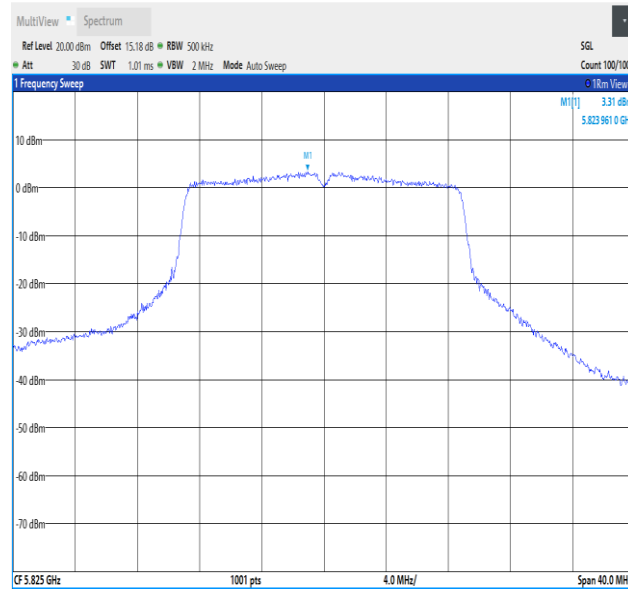
11N20SISO-Ant1-5720 UNII-3-PASS



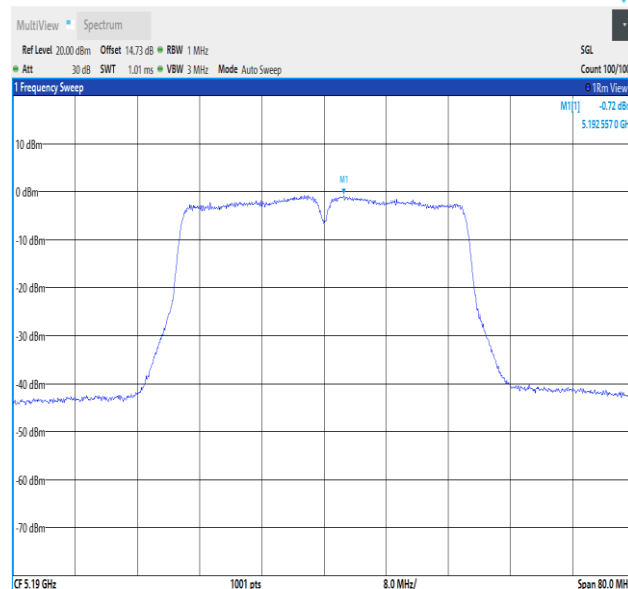
11N20SISO-Ant1-5745-PASS



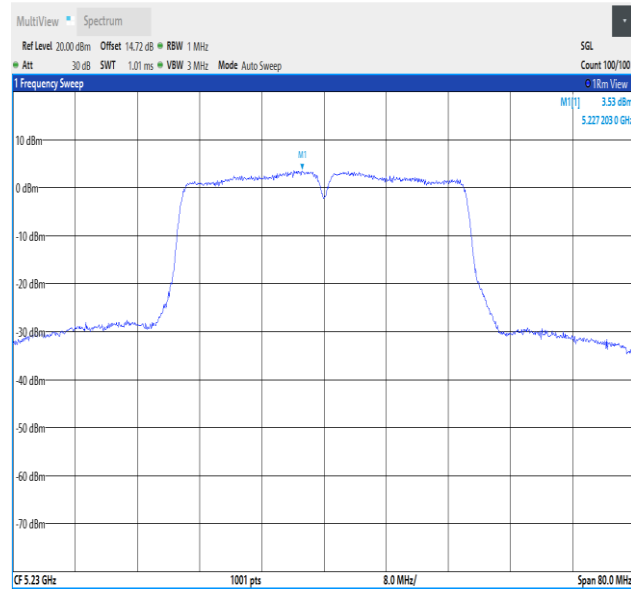
11N20SISO-Ant1-5785-PASS



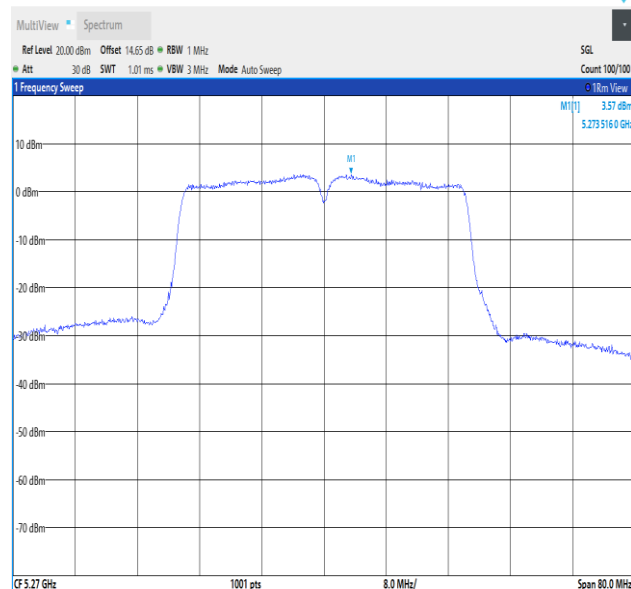
11N20SISO-Ant1-5825-PASS



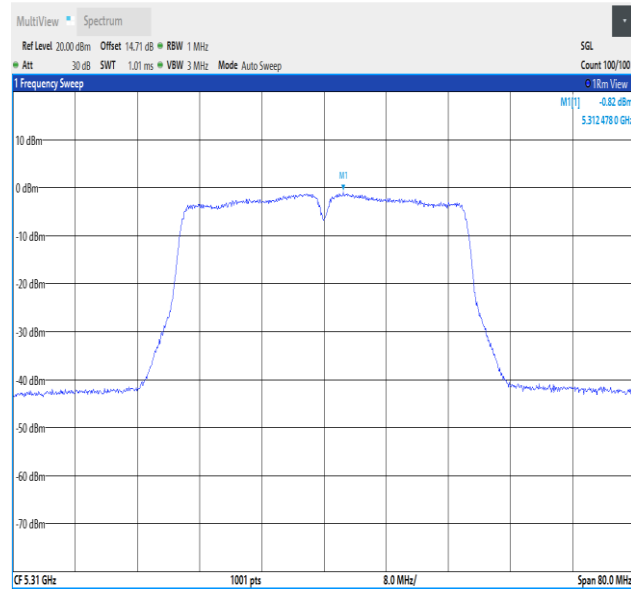
11N40SISO-Ant1-5190-PASS



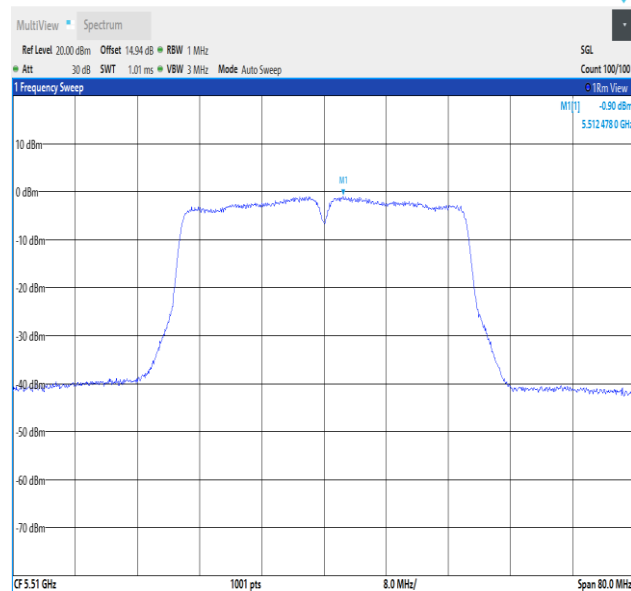
11N40SISO-Ant1-5230-PASS



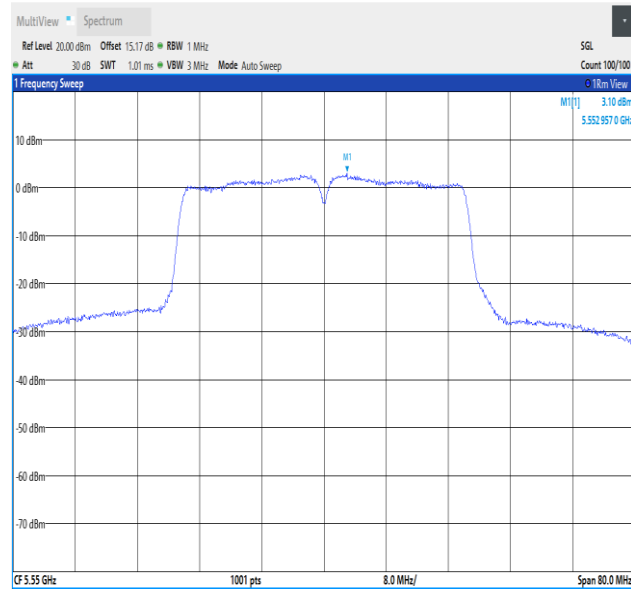
11N40SISO-Ant1-5270-PASS



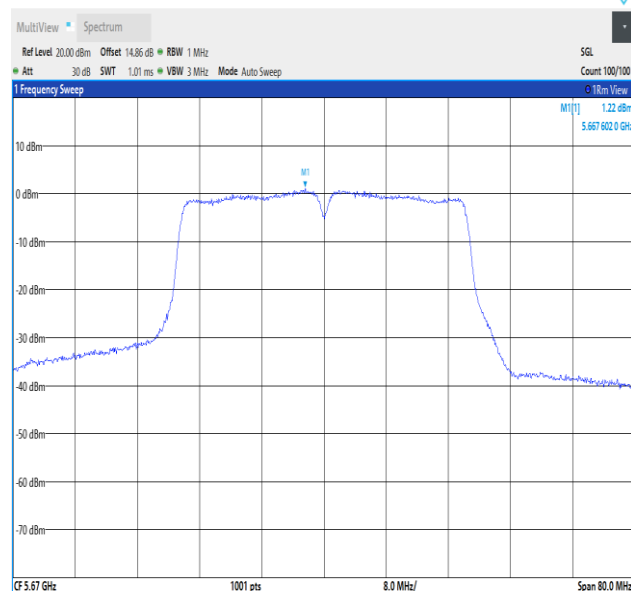
11N40SISO-Ant1-5310-PASS



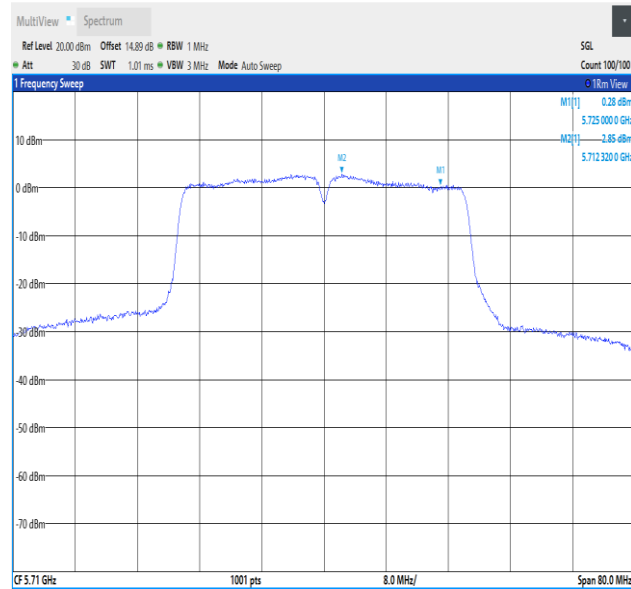
11N40SISO-Ant1-5510-PASS



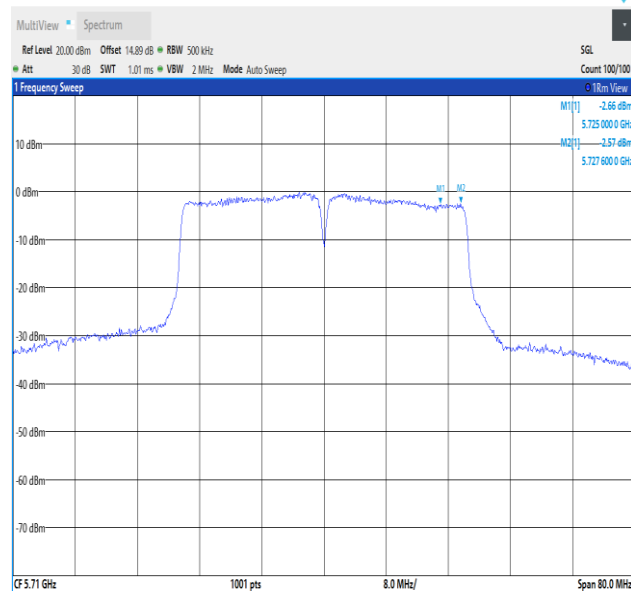
11N40SISO-Ant1-5550-PASS



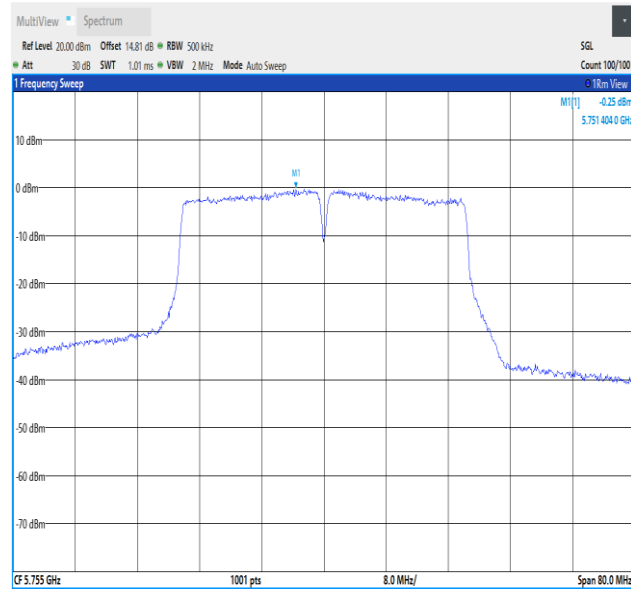
11N40SISO-Ant1-5670-PASS



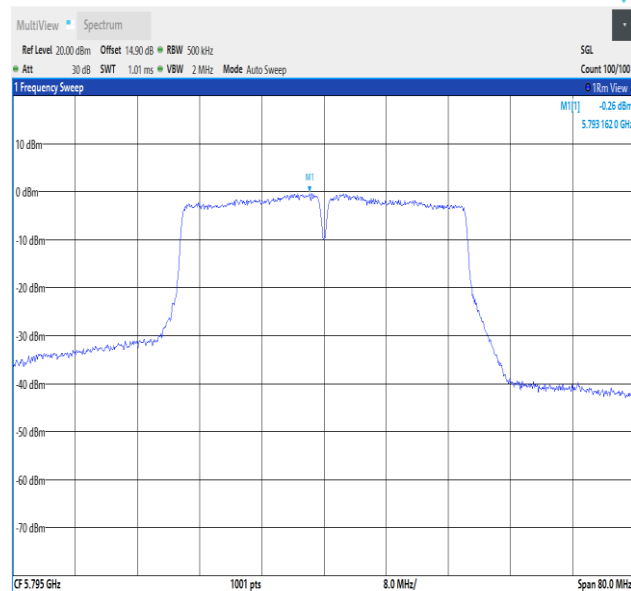
11N40SISO-Ant1-5710 UNII-2C-PASS



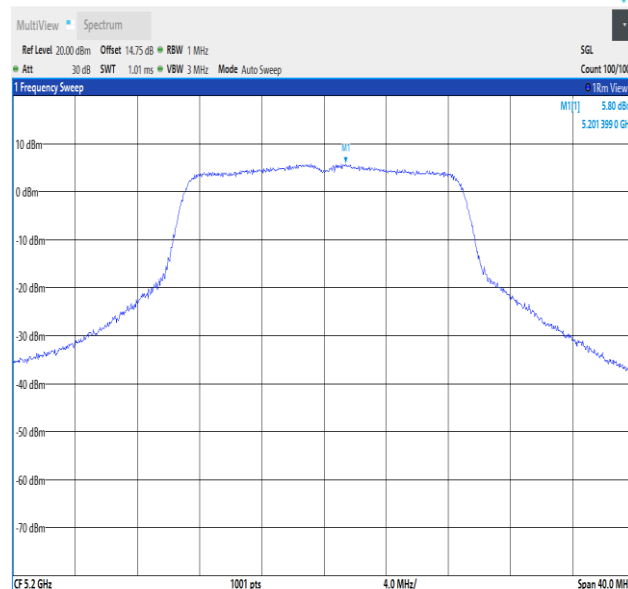
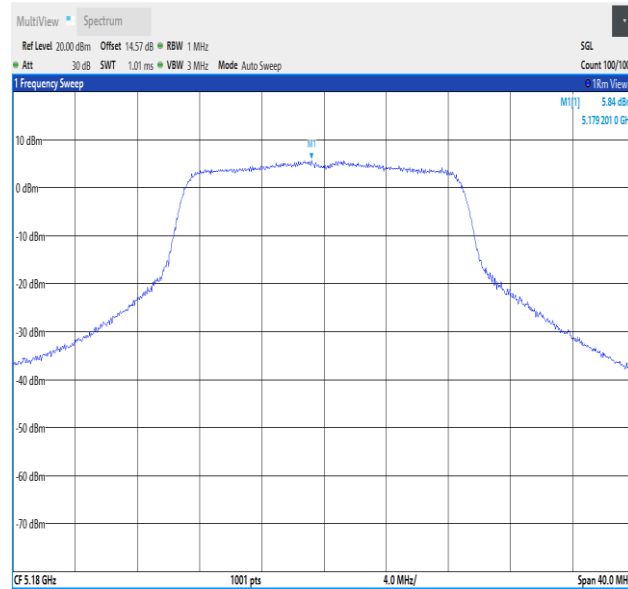
11N40SISO-Ant1-5710 UNII-3-PASS

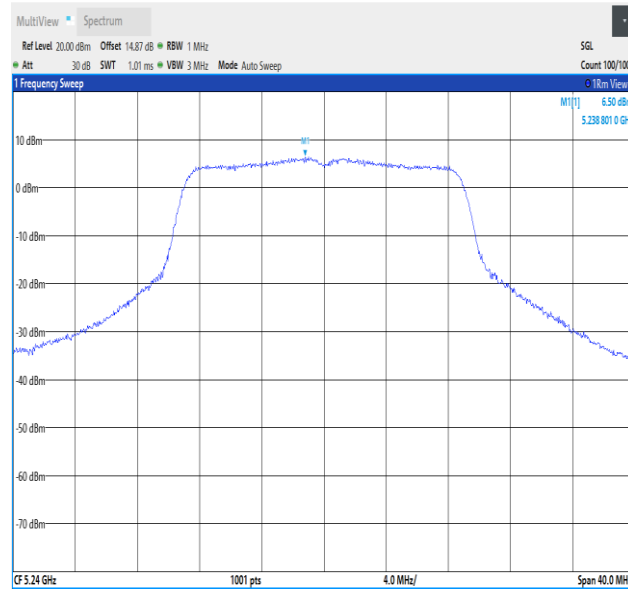


11N40SISO-Ant1-5755-PASS

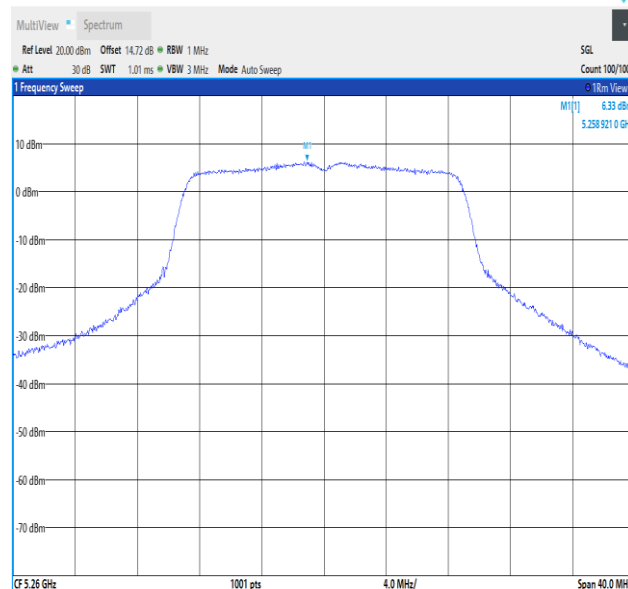


11N40SISO-Ant1-5795-PASS

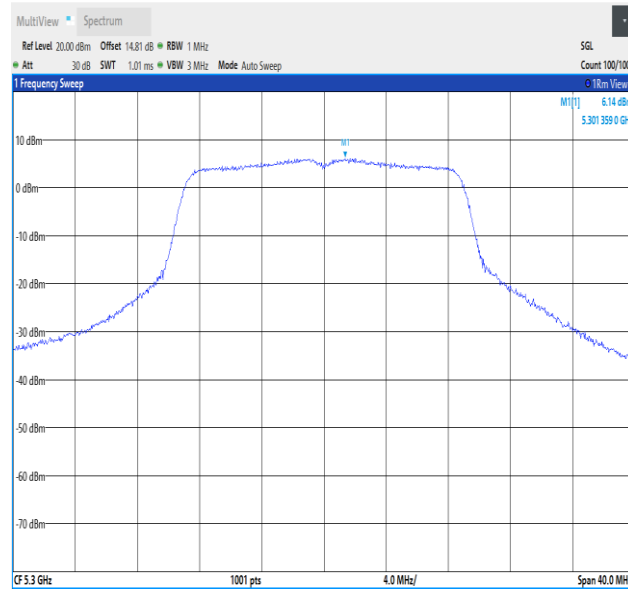




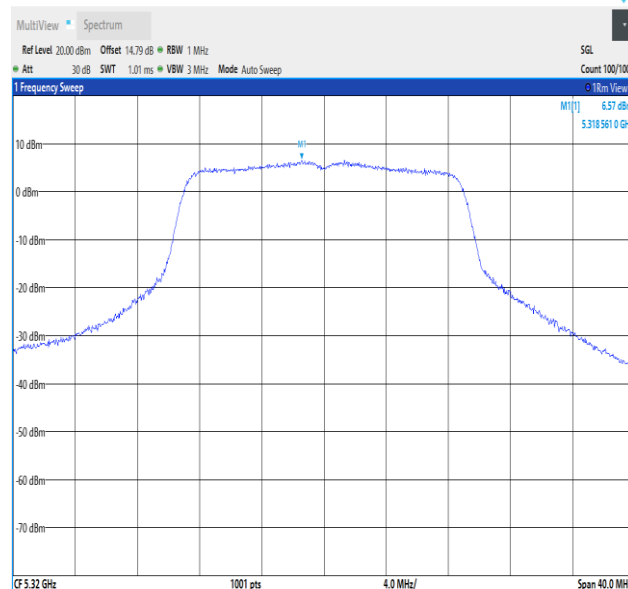
11AC20SISO-Ant1-5240-PASS



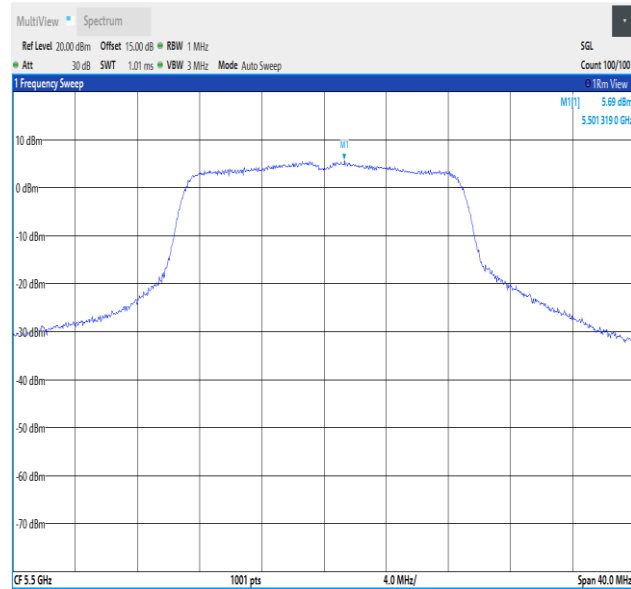
11AC20SISO-Ant1-5260-PASS



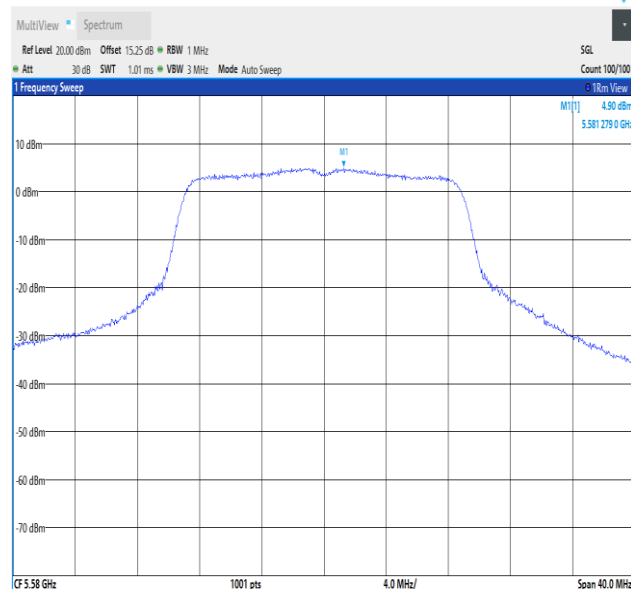
11AC20SISO-Ant1-5300-PASS



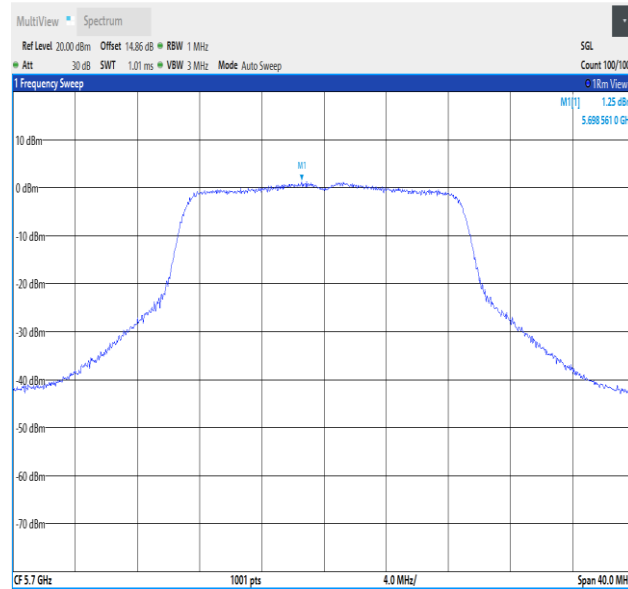
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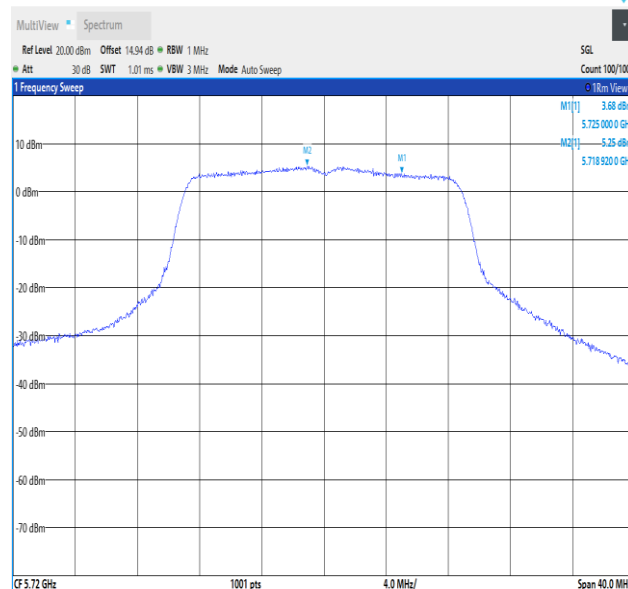
11AC20SISO-Ant1-5500-PASS



11AC20SISO-Ant1-5580-PASS



11AC20SISO-Ant1-5700-PASS



11AC20SISO-Ant1-5720_UNII-2C-PASS