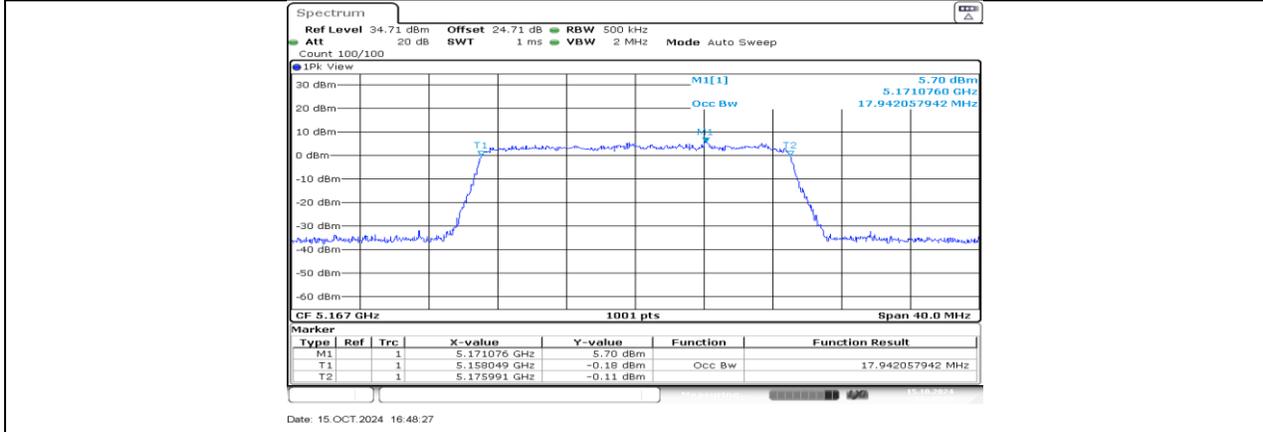
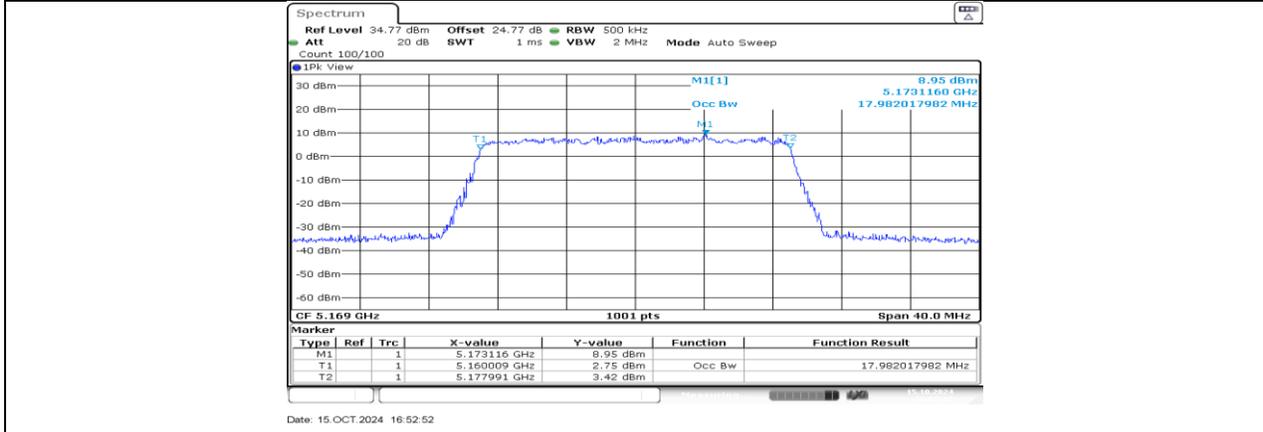


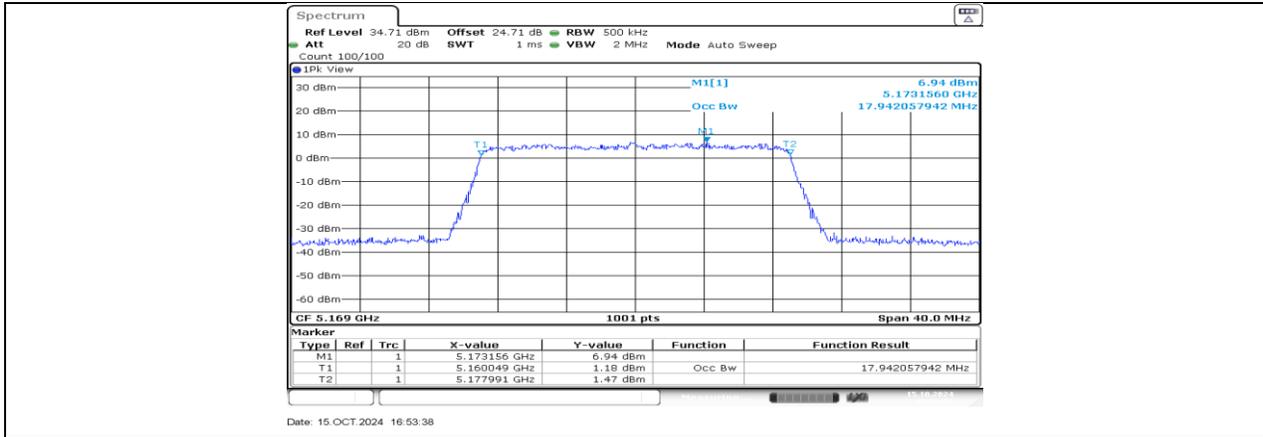
SRD 20M\_Ant0\_5167



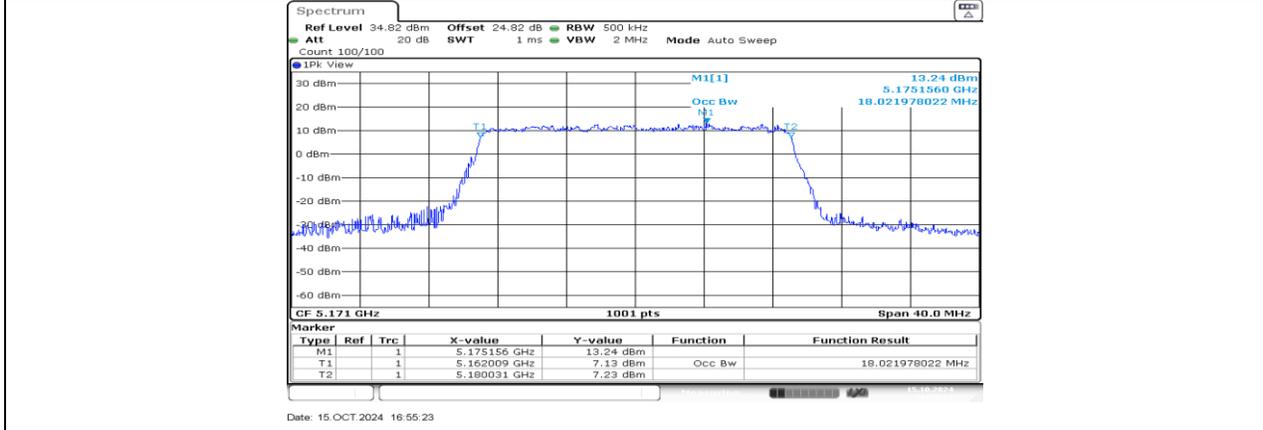
SRD 20M\_Ant1\_5167



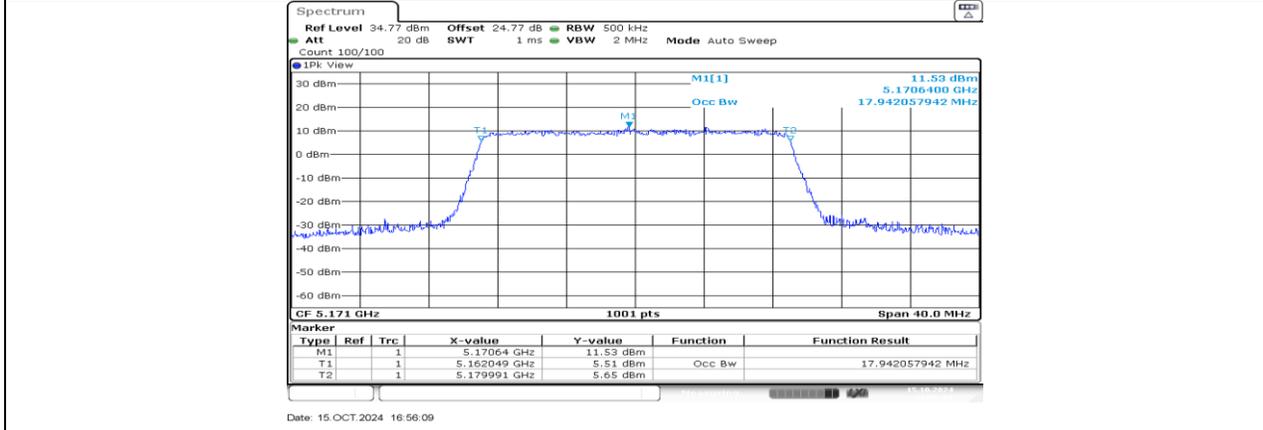
SRD 20M\_Ant0\_5169



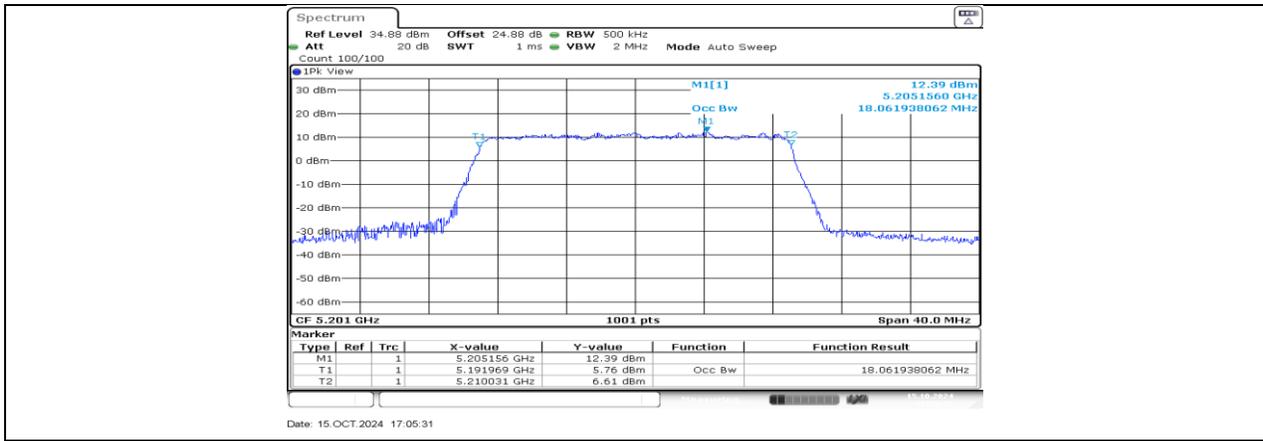
SRD 20M\_Ant1\_5169



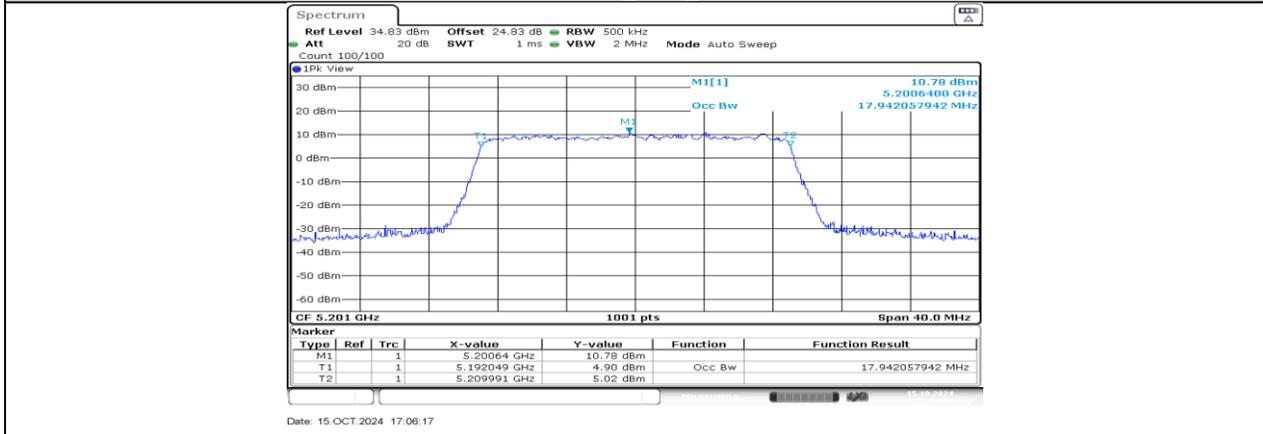
SRD 20M\_Ant0\_5171



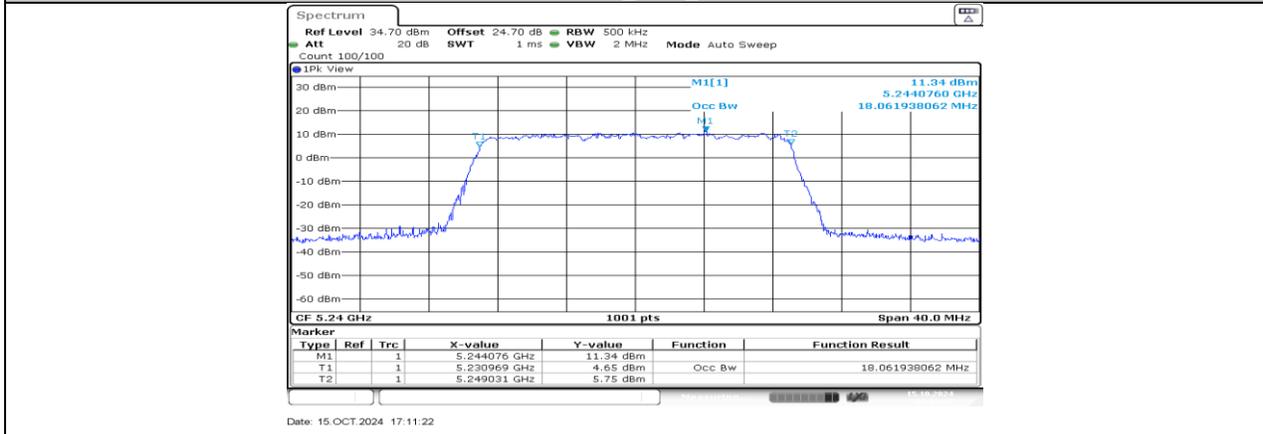
SRD 20M\_Ant1\_5171



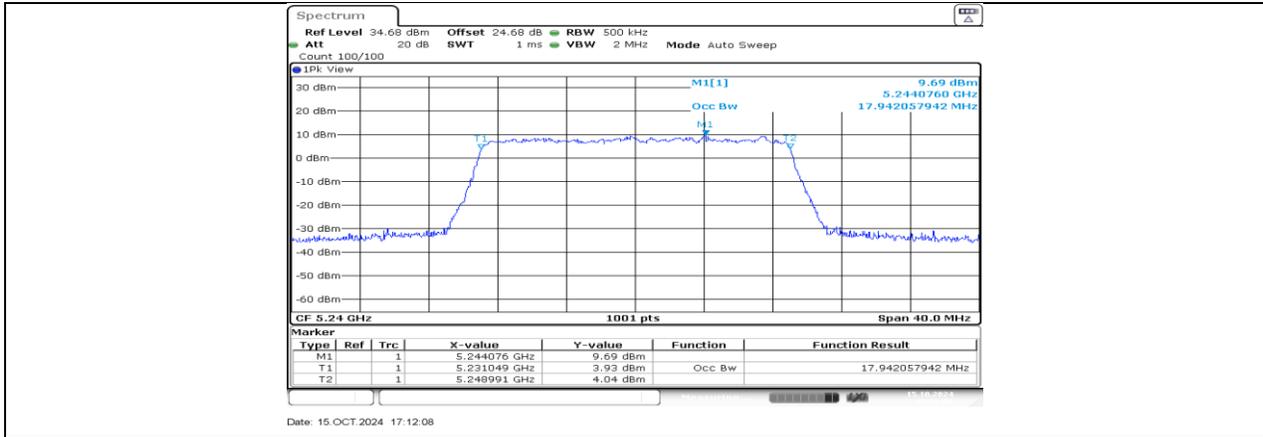
SRD 20M\_Ant0\_5201



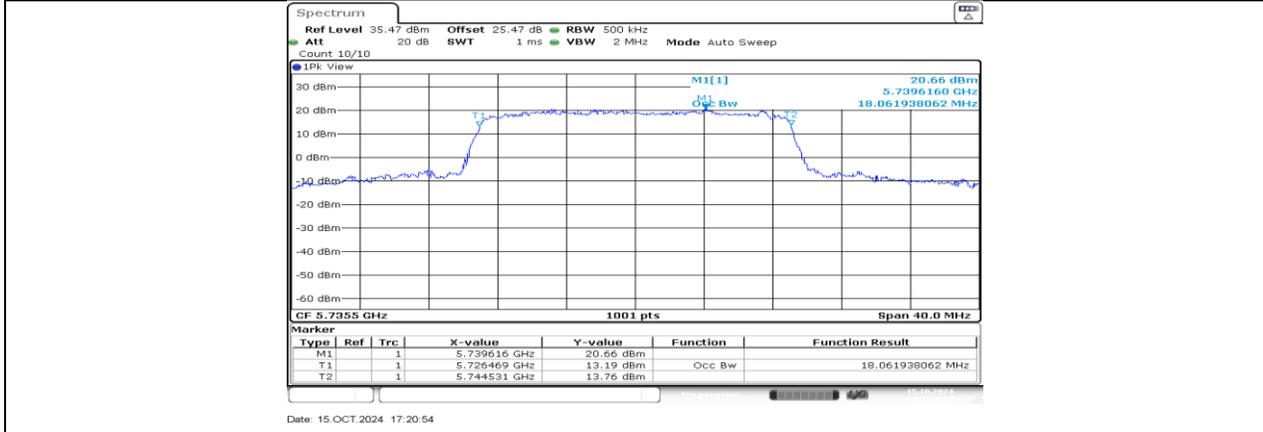
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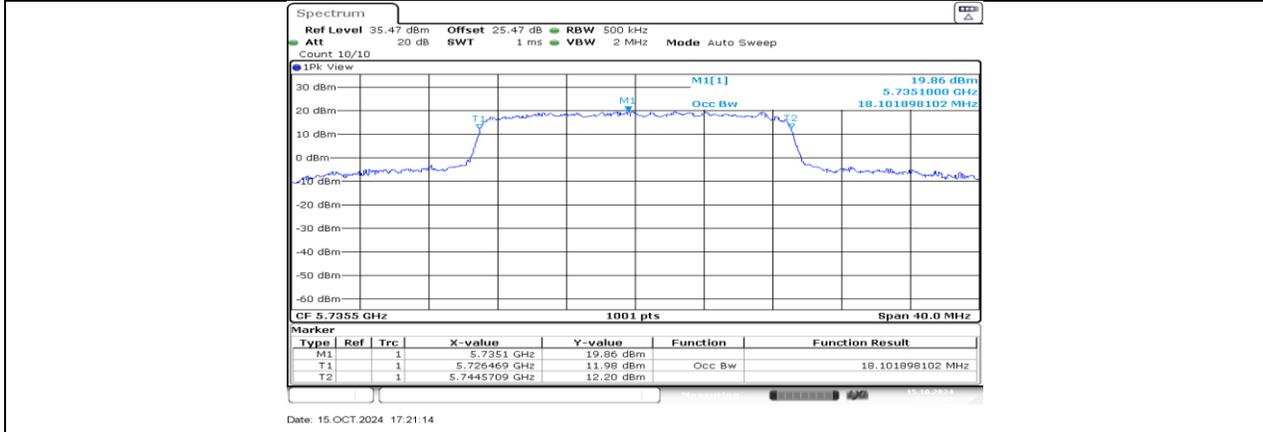
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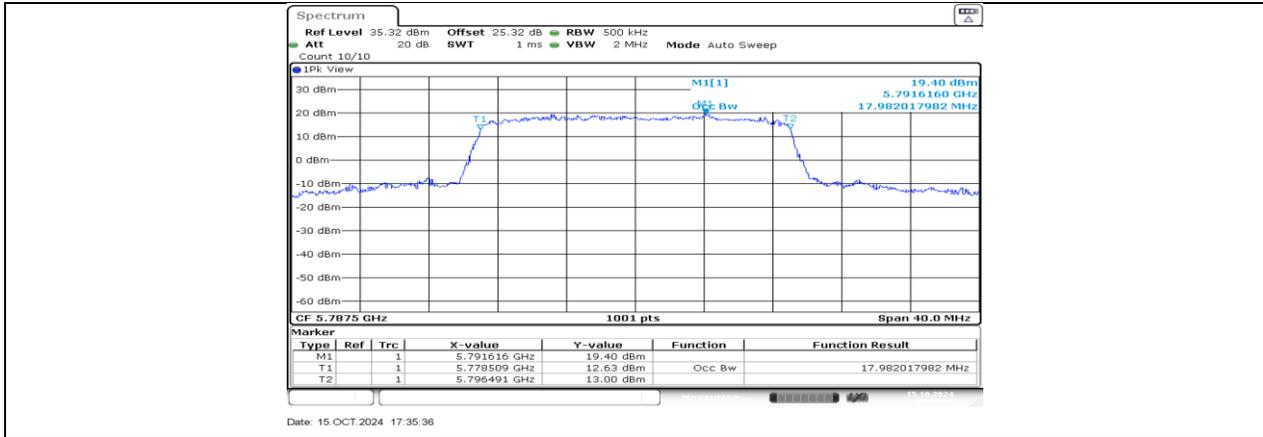
SRD 20M\_Ant1\_5240



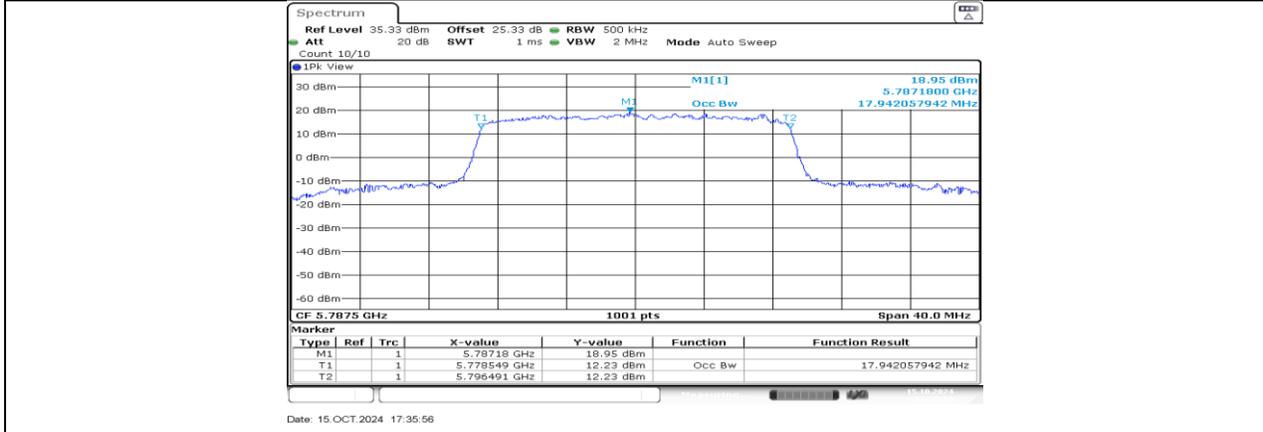
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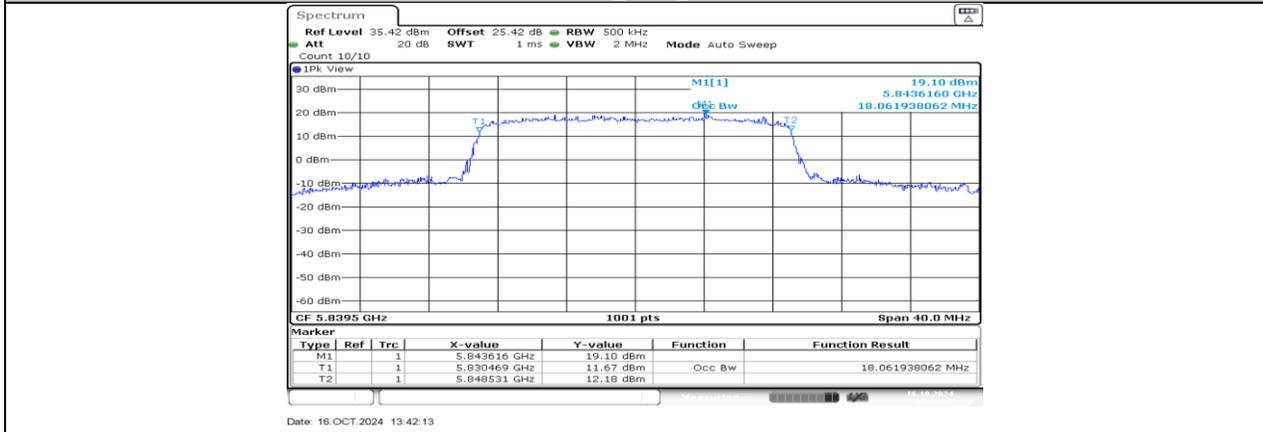
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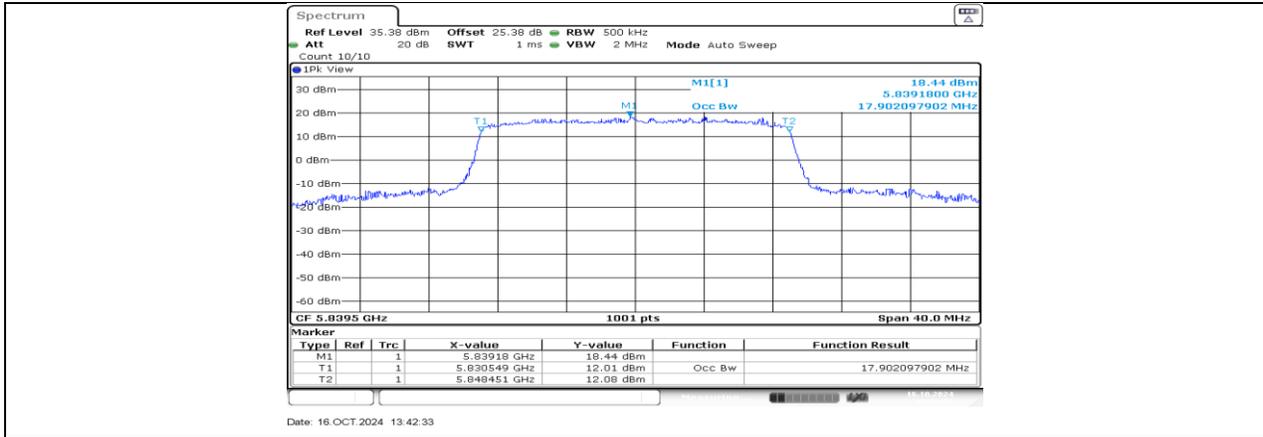
SRD 20M\_Ant0\_5787.5



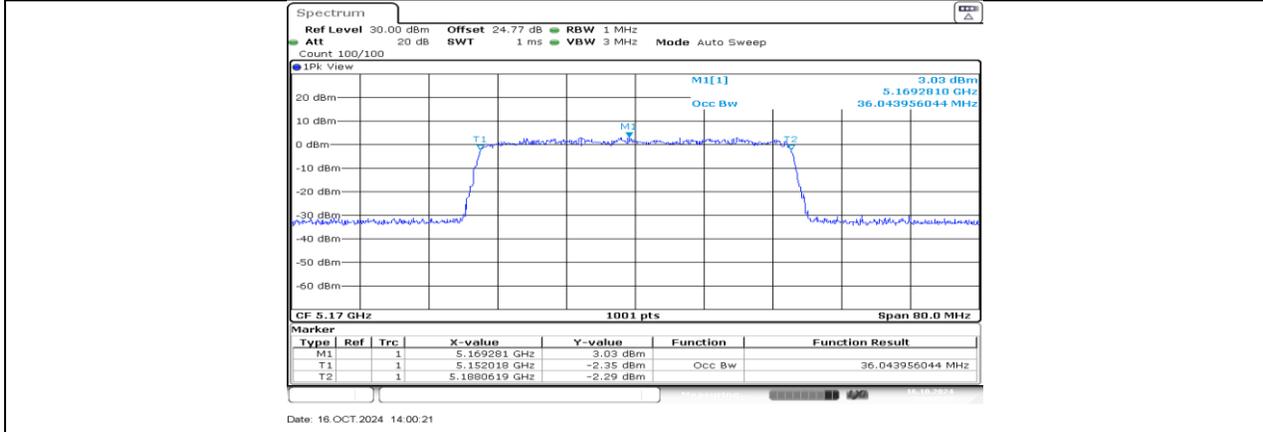
SRD 20M\_Ant1\_5787.5



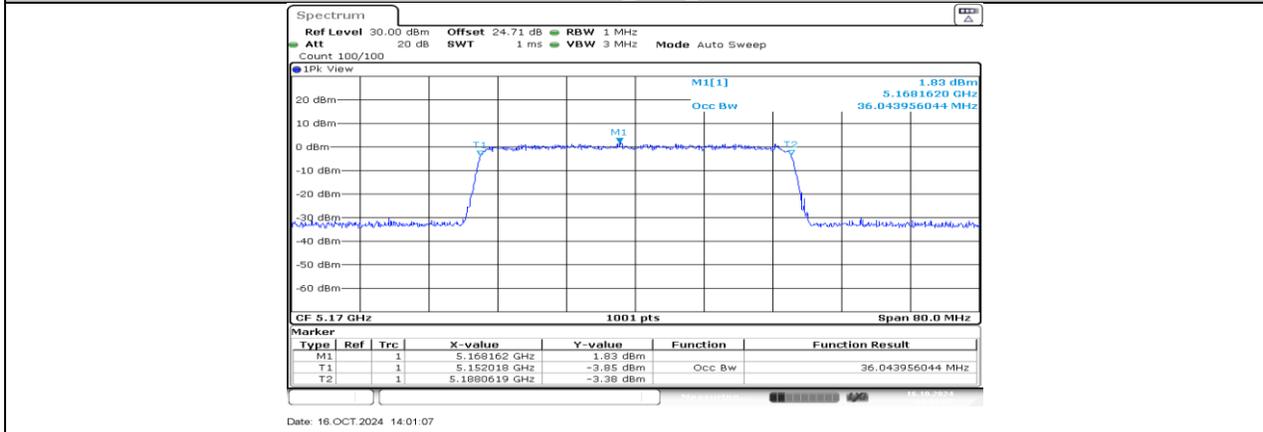
SRD 20M\_Ant0\_5839.5



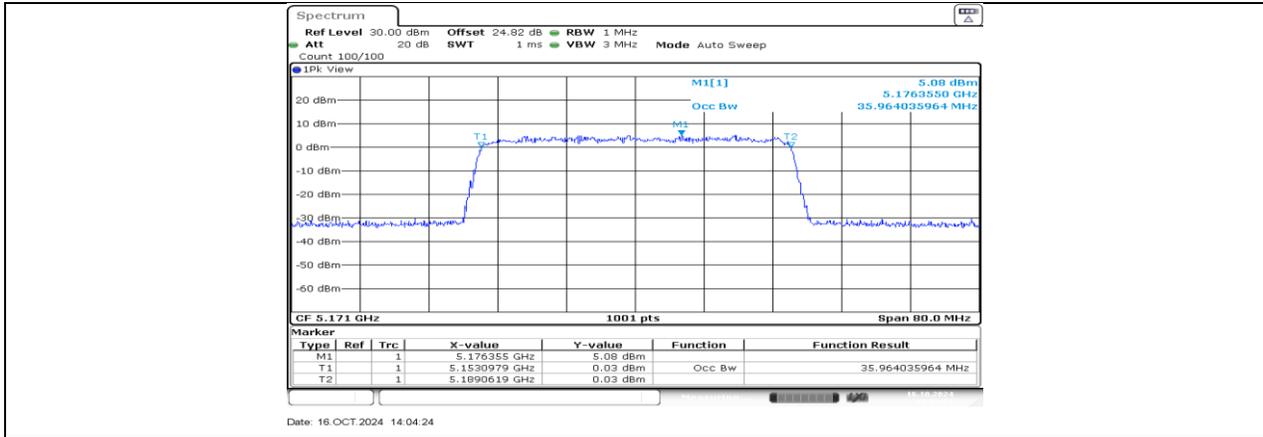
SRD 20M\_Ant1\_5839.5



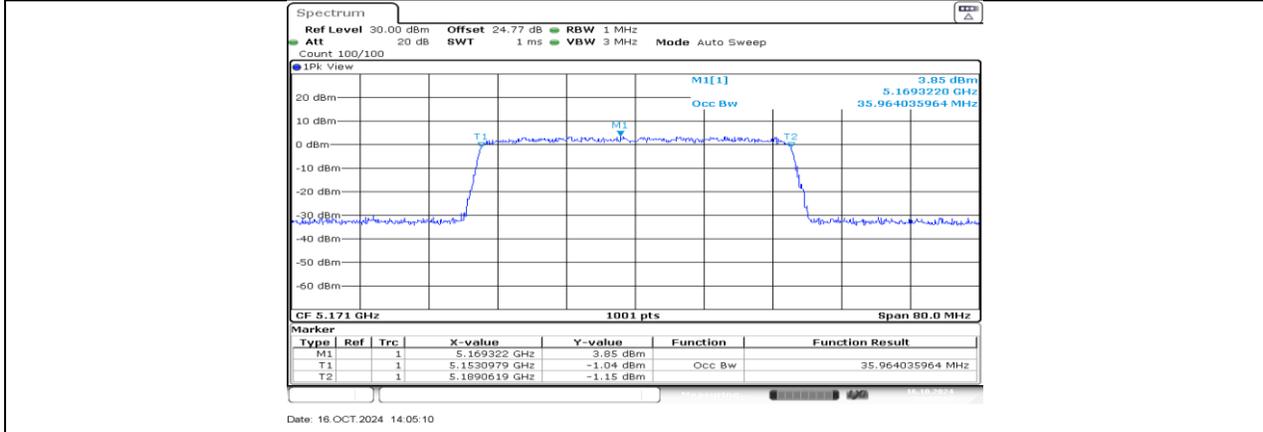
SRD 40M\_Ant0\_5170



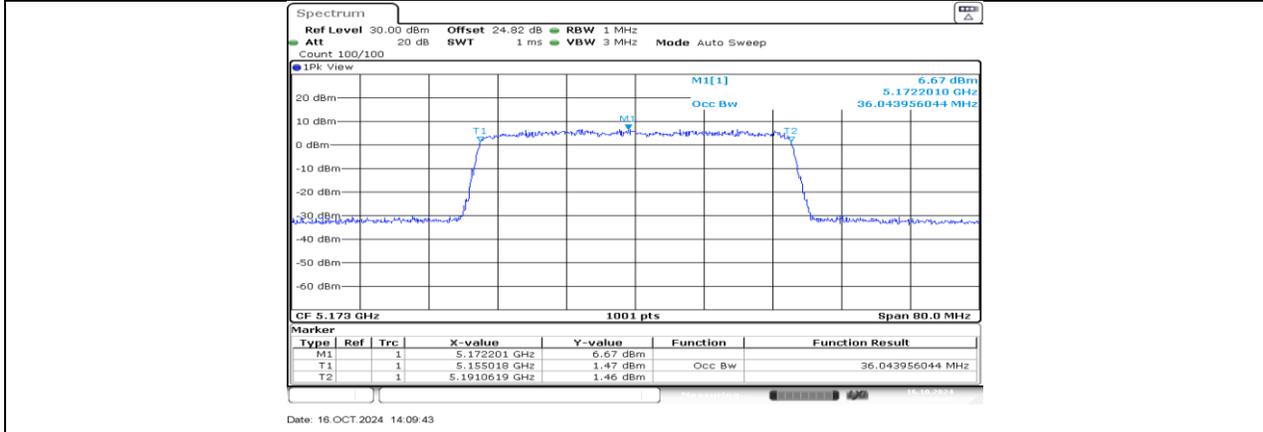
SRD 40M\_Ant1\_5170



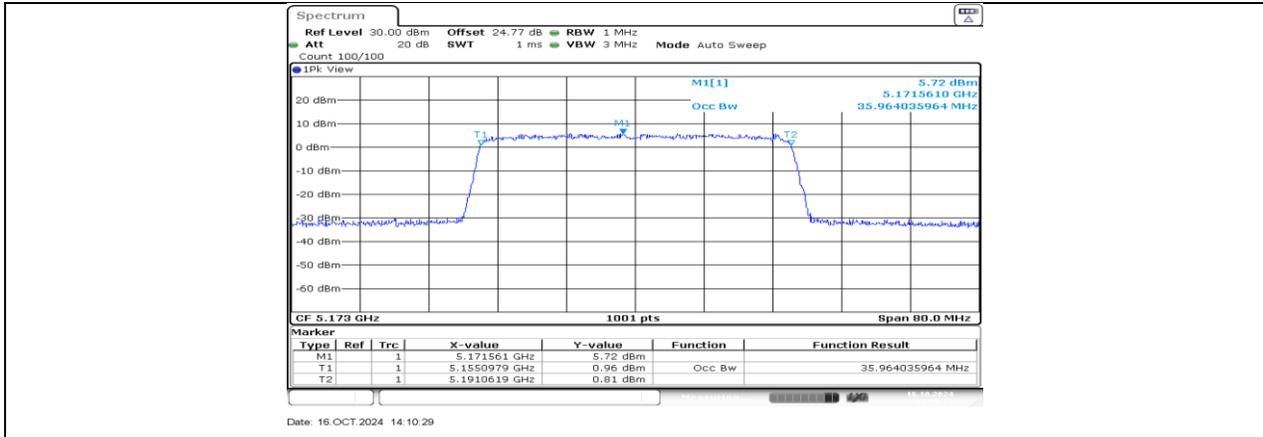
SRD 40M\_Ant0\_5171



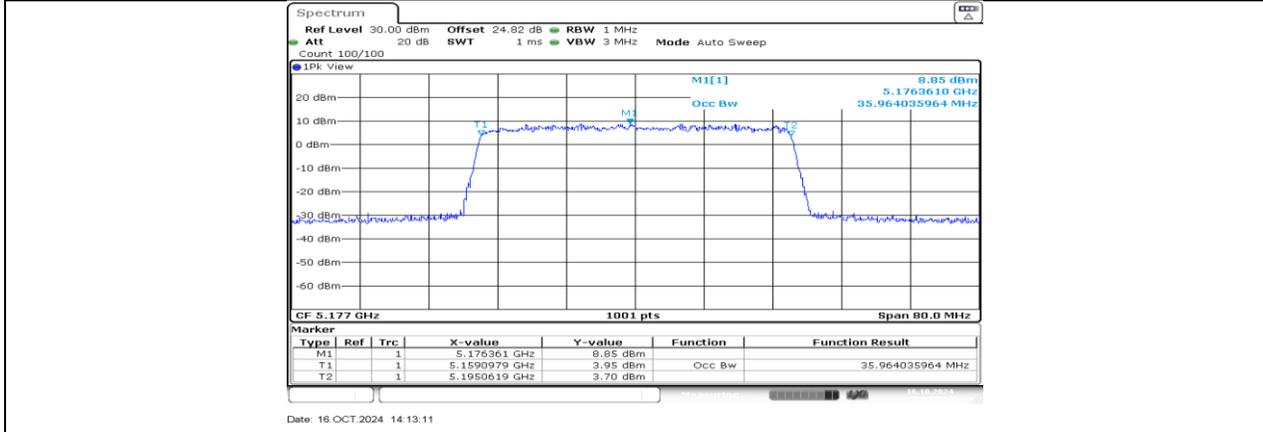
SRD 40M\_Ant1\_5171



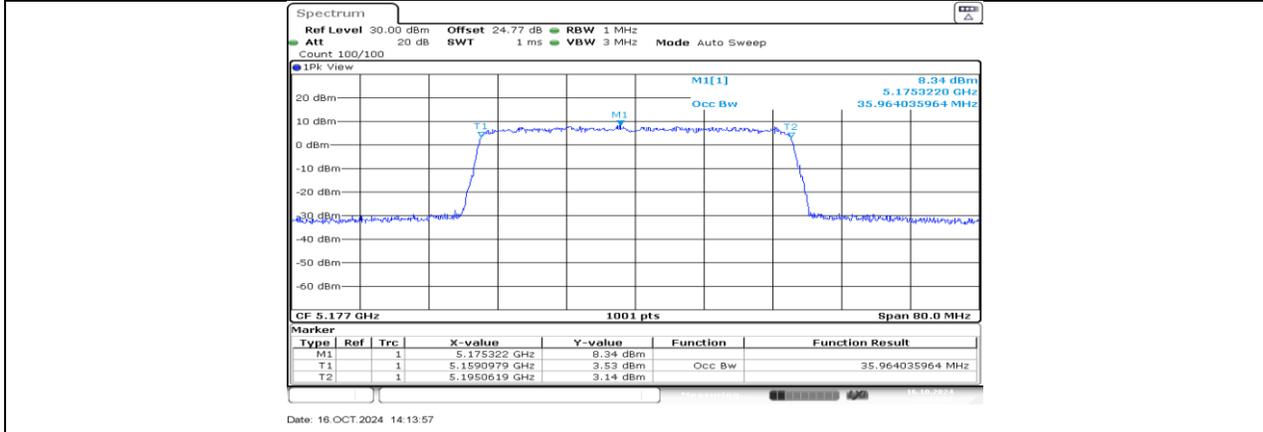
SRD 40M\_Ant0\_5173



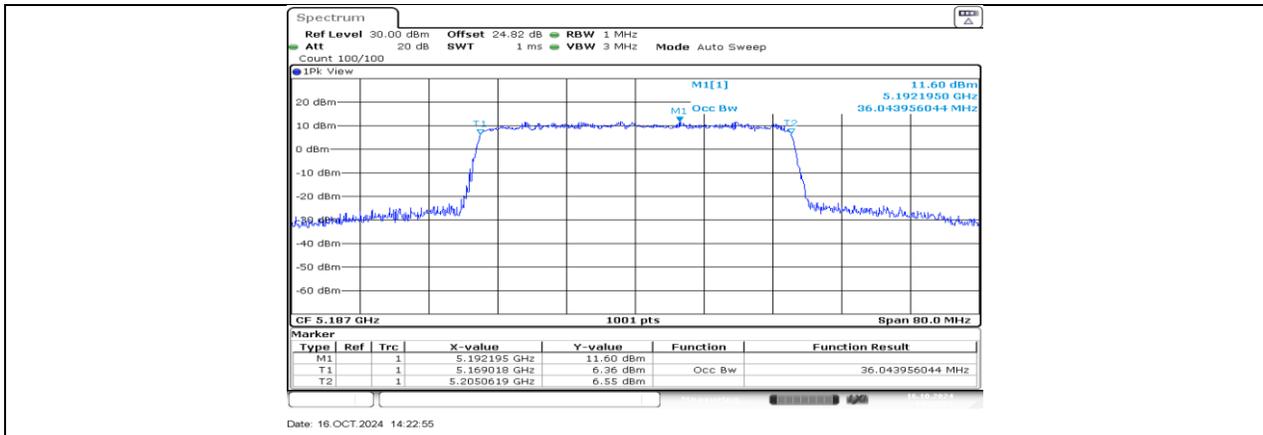
SRD 40M\_Ant1\_5173



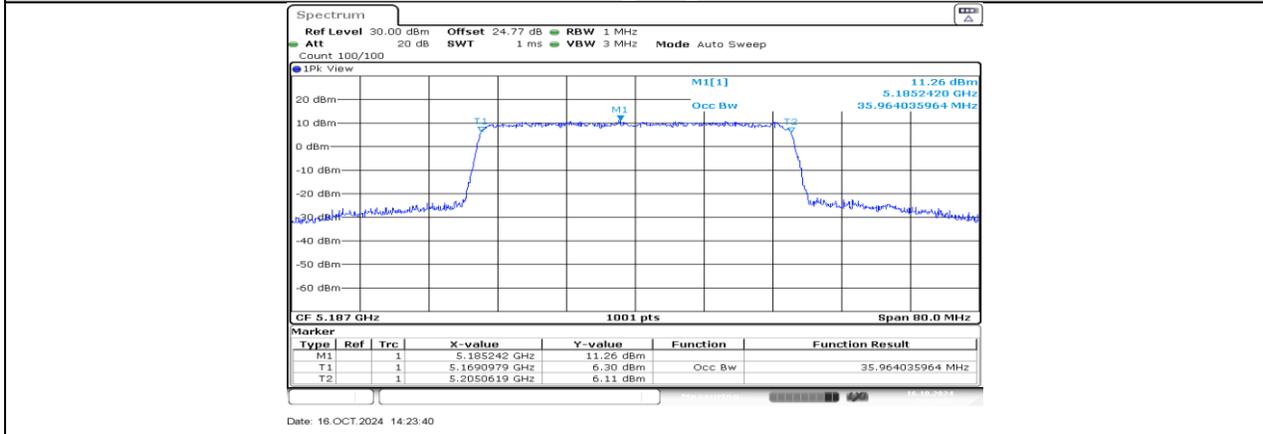
SRD 40M\_Ant0\_5177



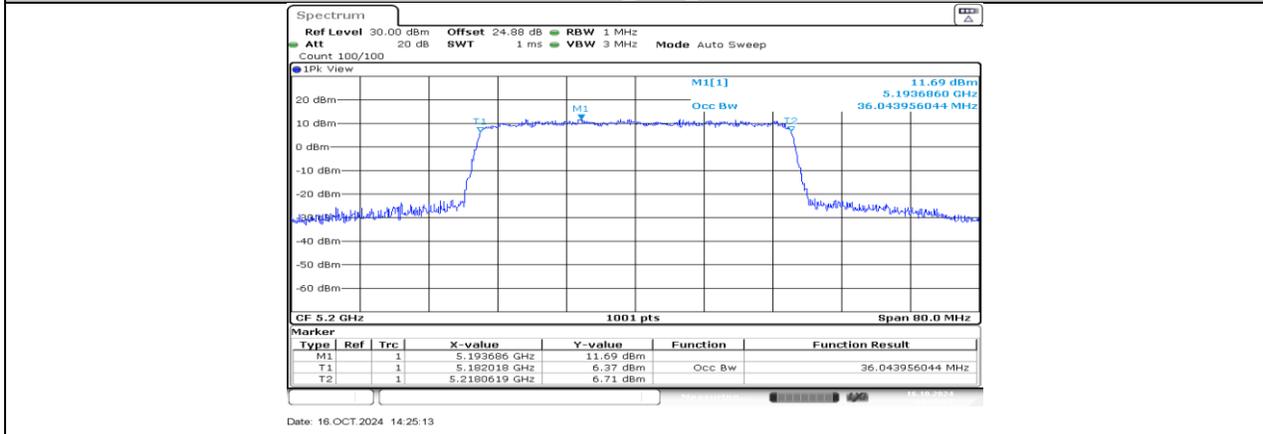
SRD 40M\_Ant1\_5177



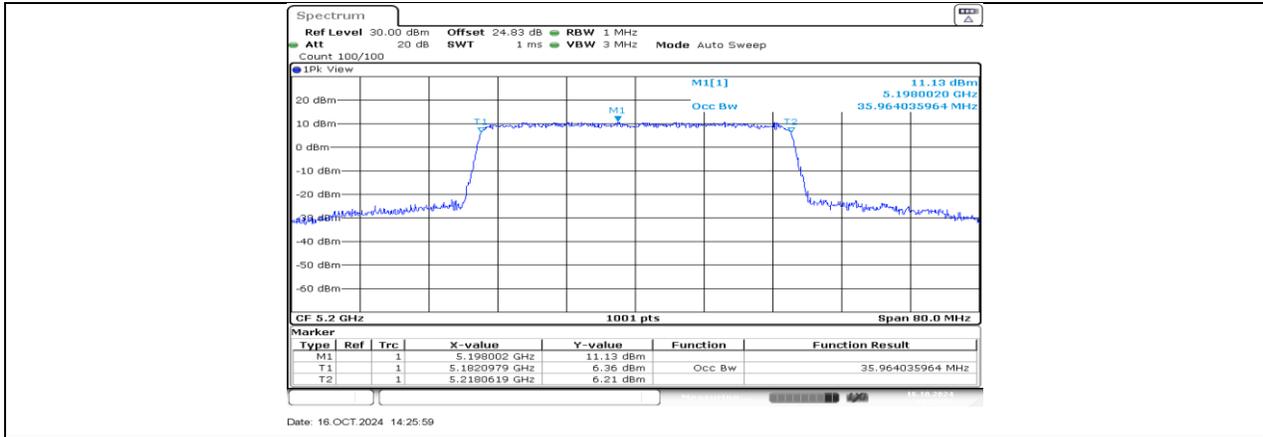
SRD 40M\_Ant0\_5187



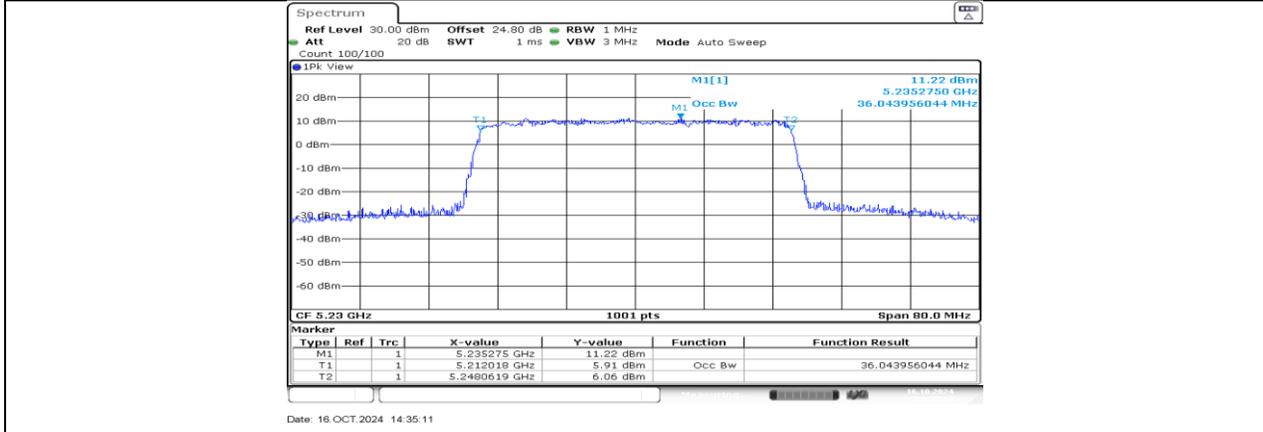
SRD 40M\_Ant1\_5187



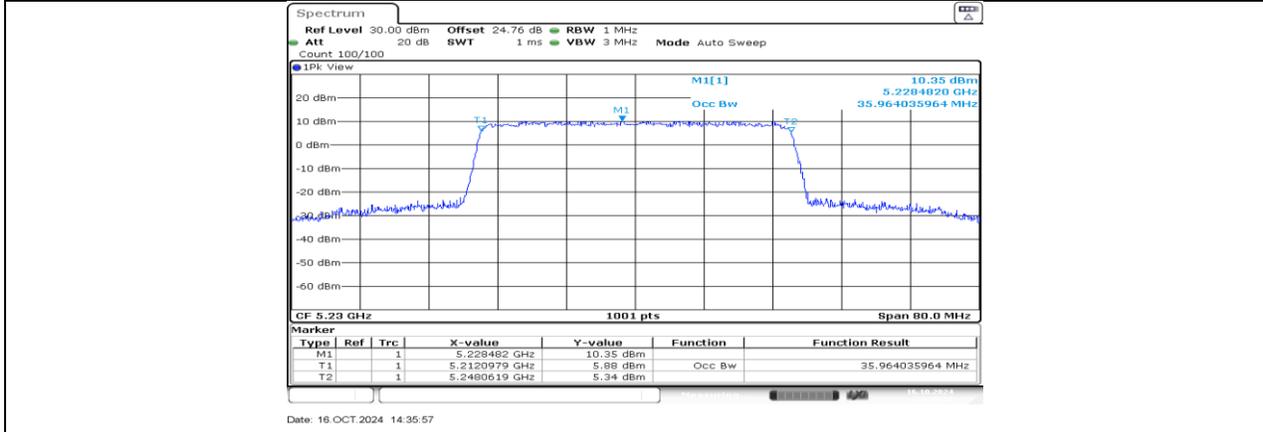
SRD 40M\_Ant0\_5200



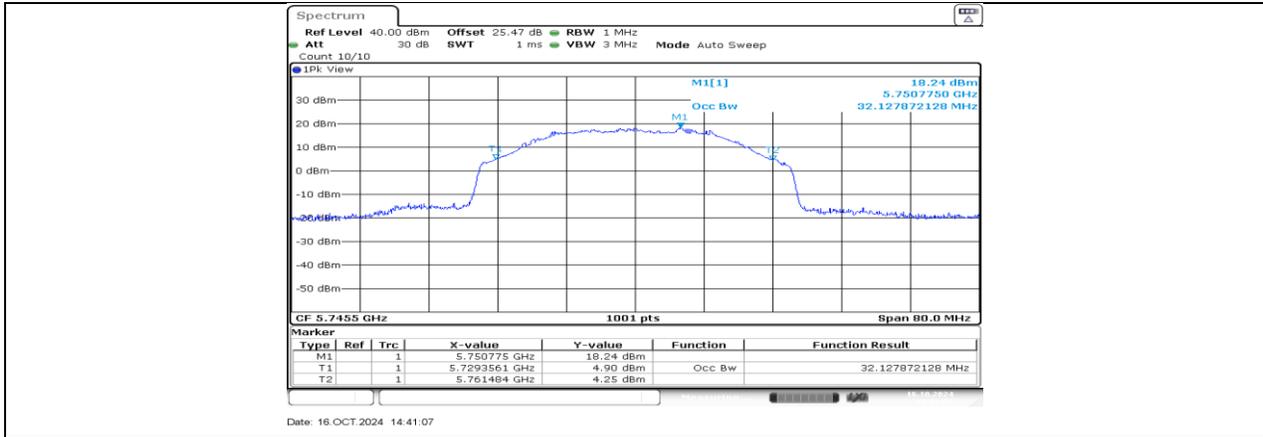
SRD 40M\_Ant1\_5200



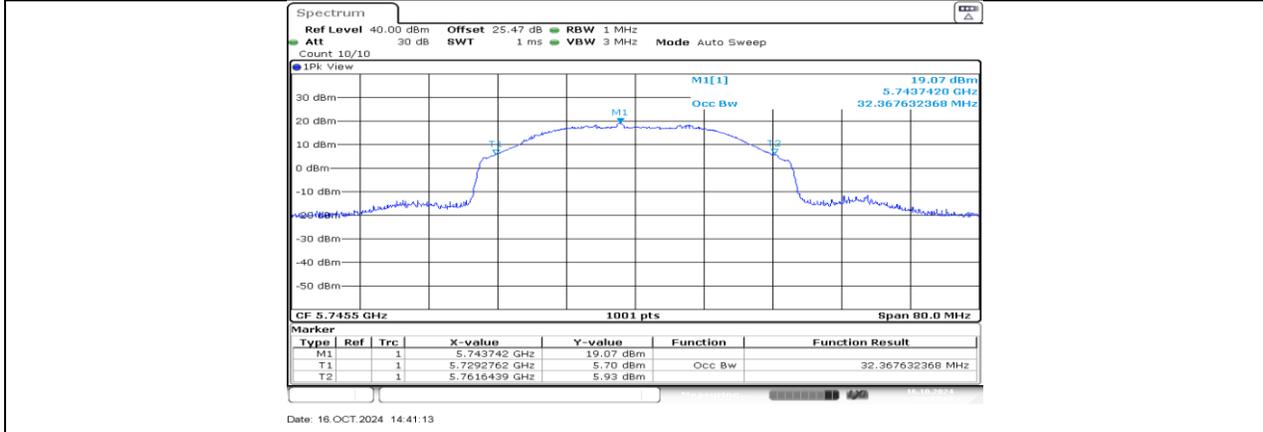
SRD 40M\_Ant0\_5230



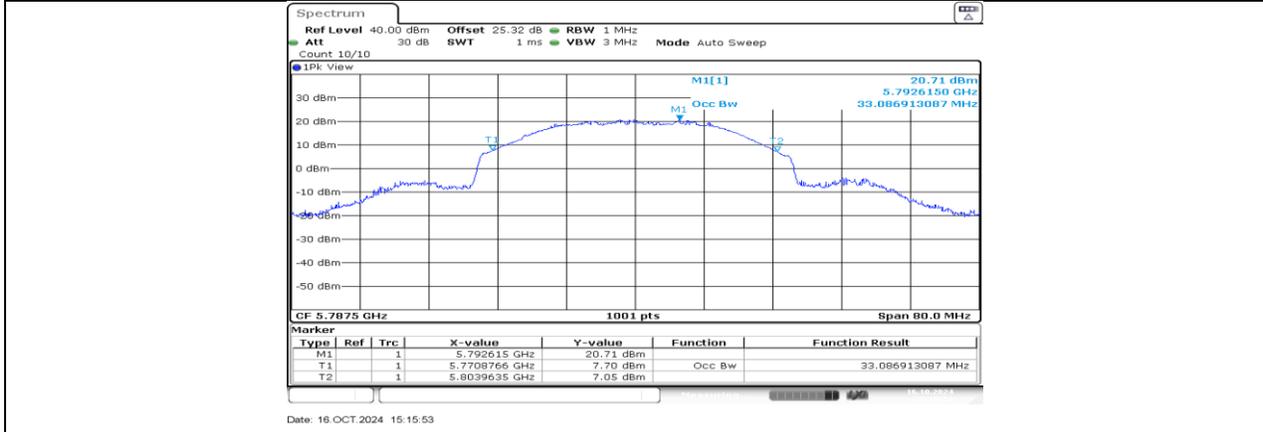
SRD 40M\_Ant1\_5230



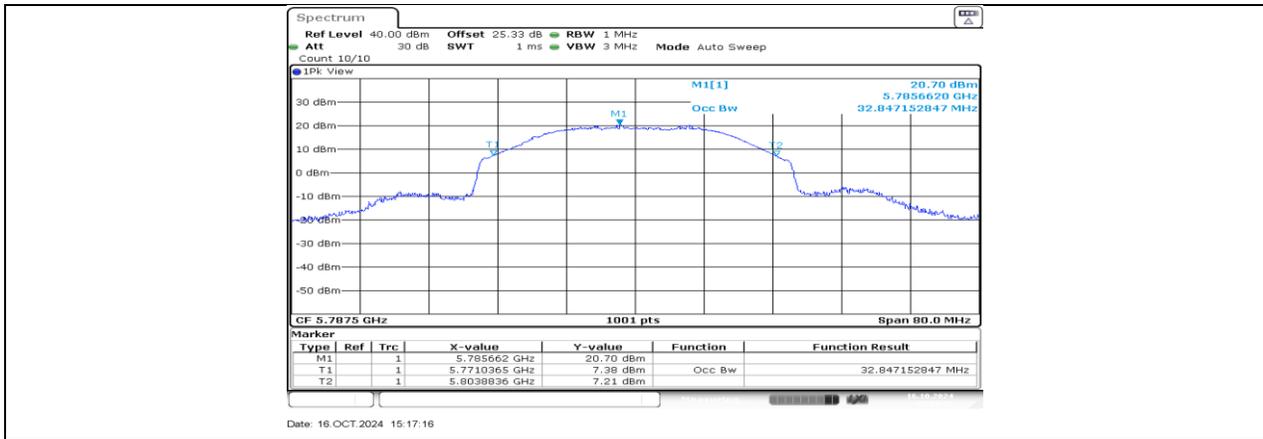
SRD 40M\_Ant0\_5745.5



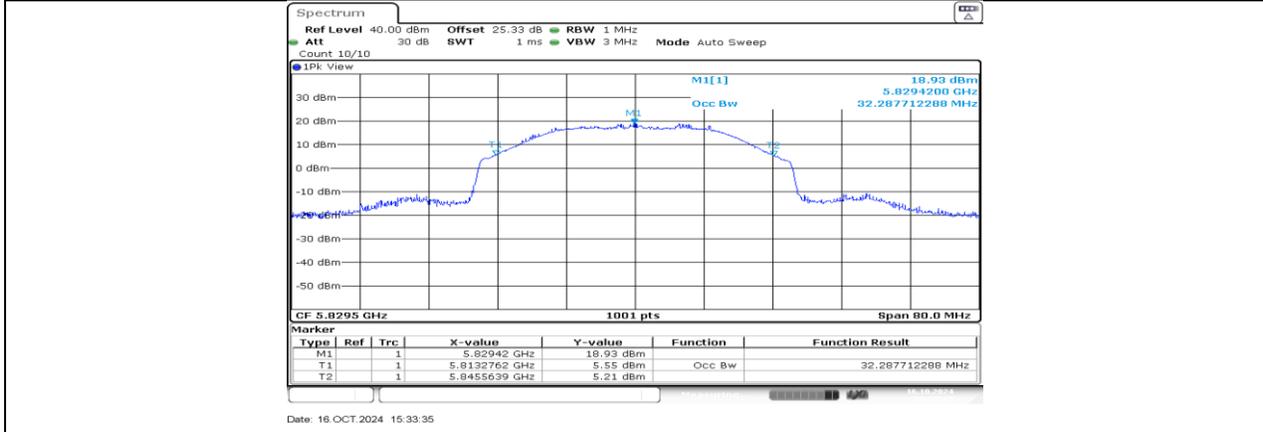
SRD 40M\_Ant1\_5745.5



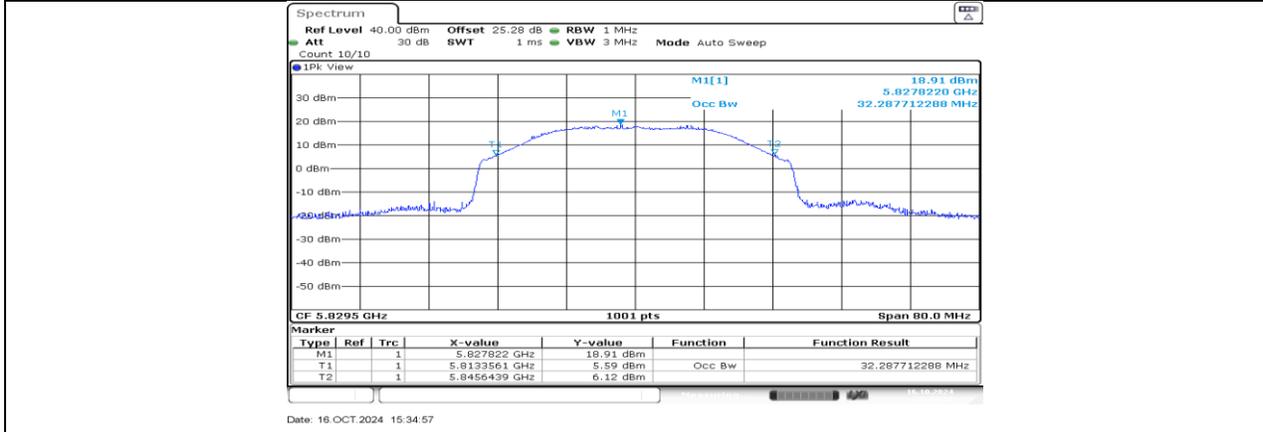
SRD 40M\_Ant0\_5787.5



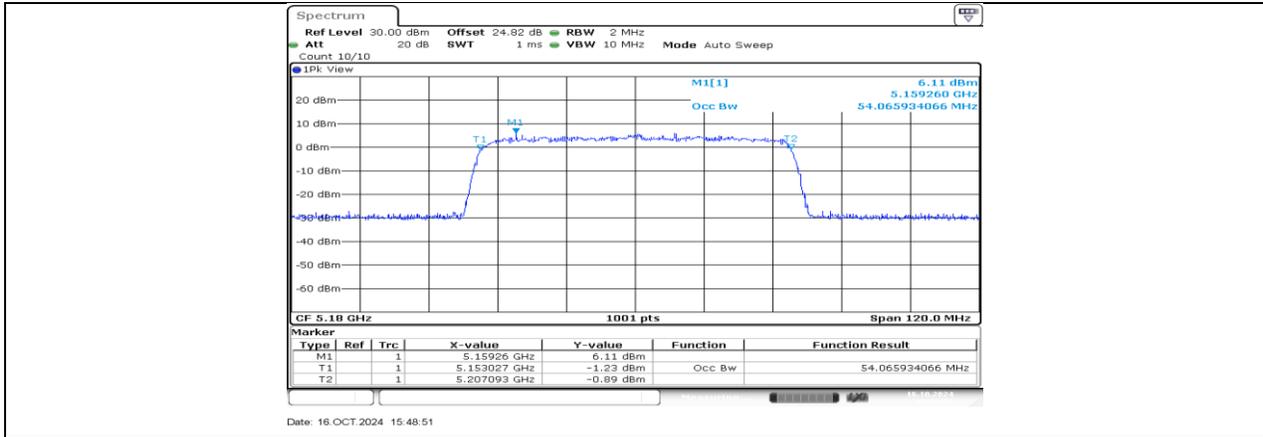
SRD 40M\_Ant1\_5787.5



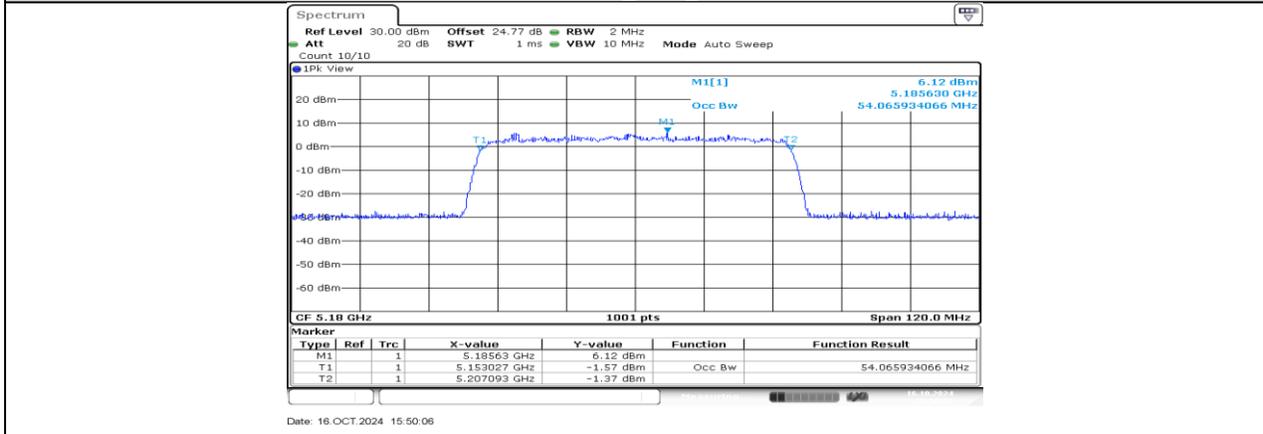
SRD 40M\_Ant0\_5829.5



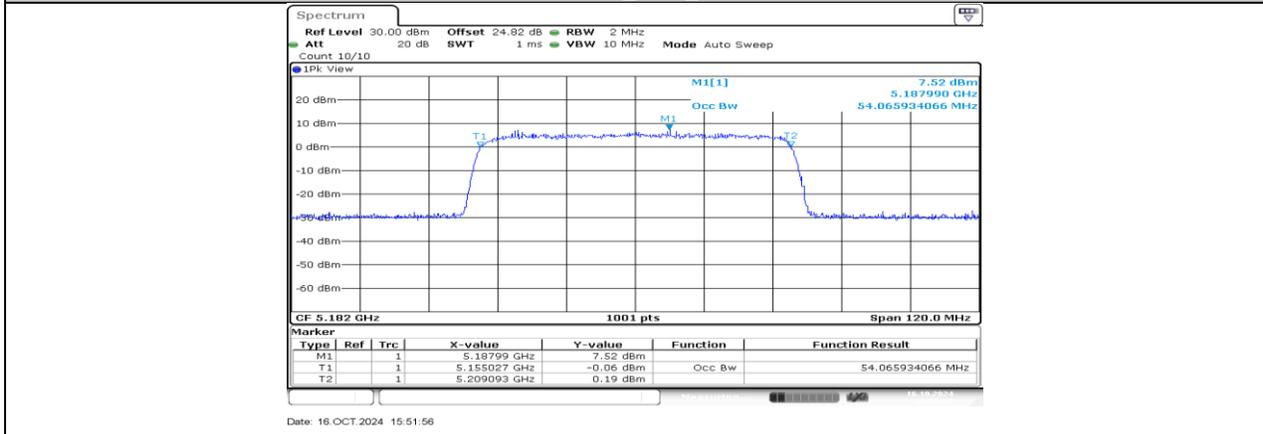
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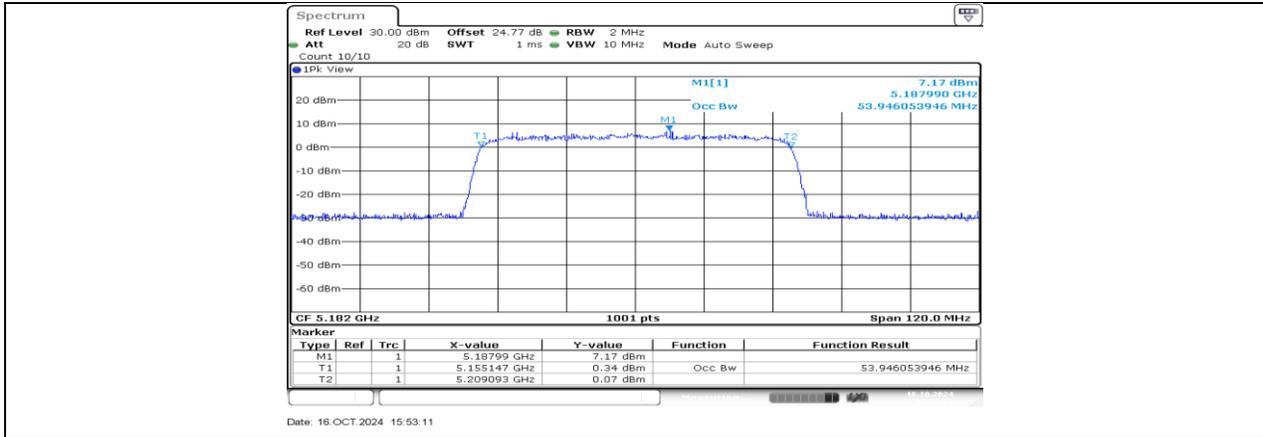
SRD 60M\_Ant0\_5180



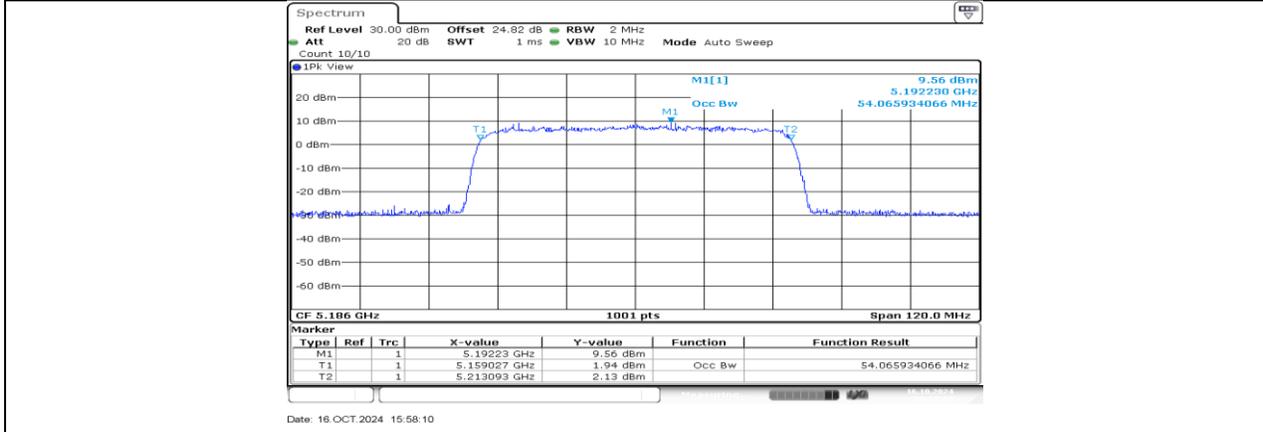
SRD 60M\_Ant1\_5180



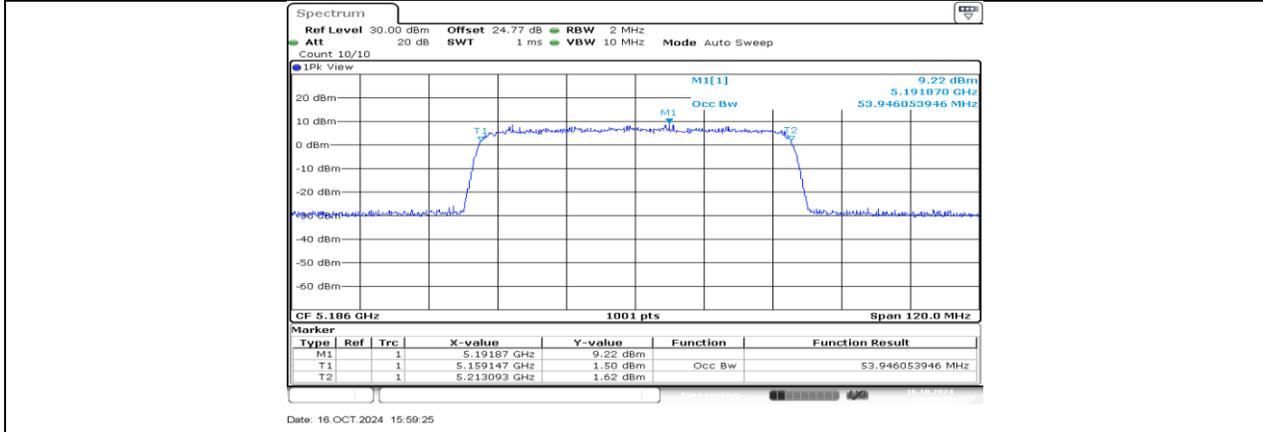
SRD 60M\_Ant0\_5182



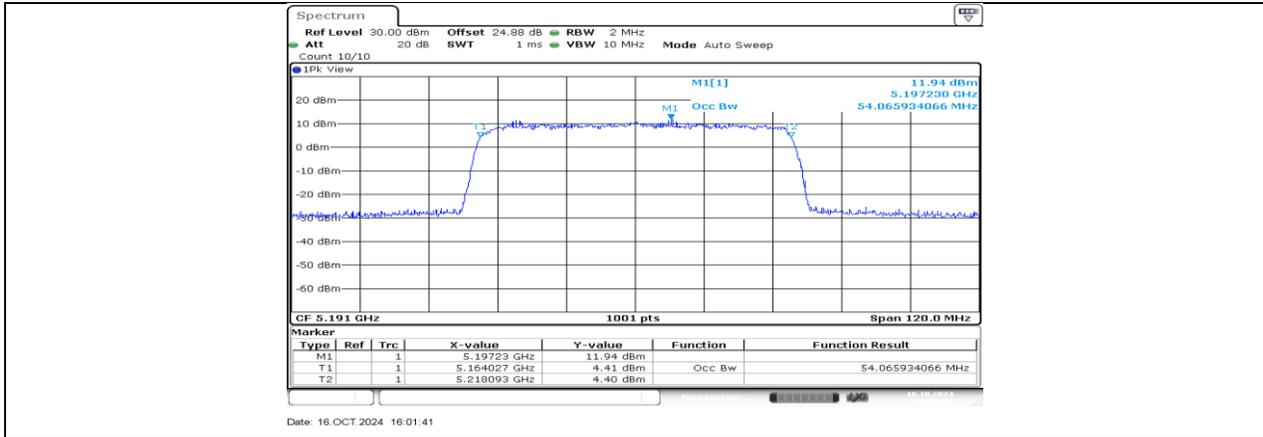
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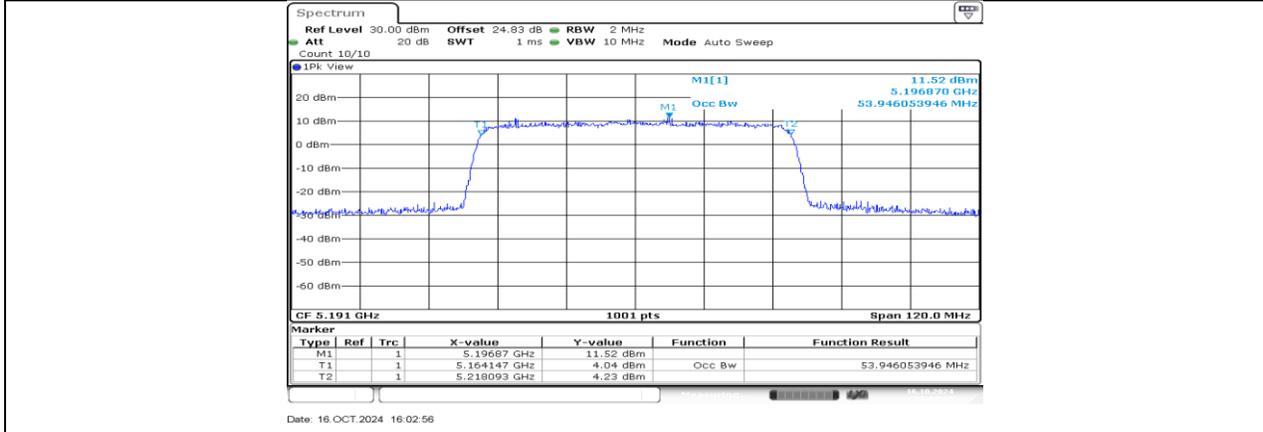
SRD 60M\_Ant0\_5186



SRD 60M\_Ant1\_5186



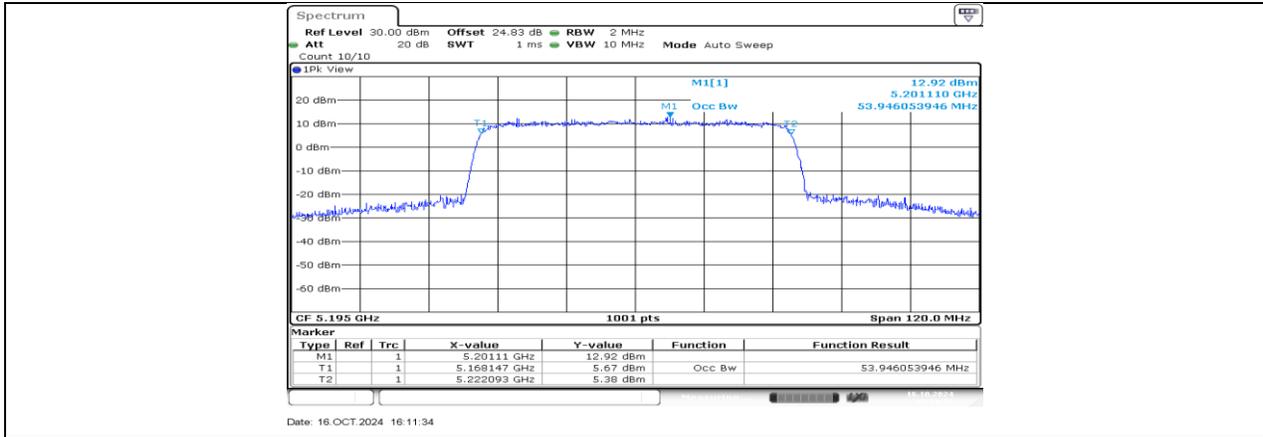
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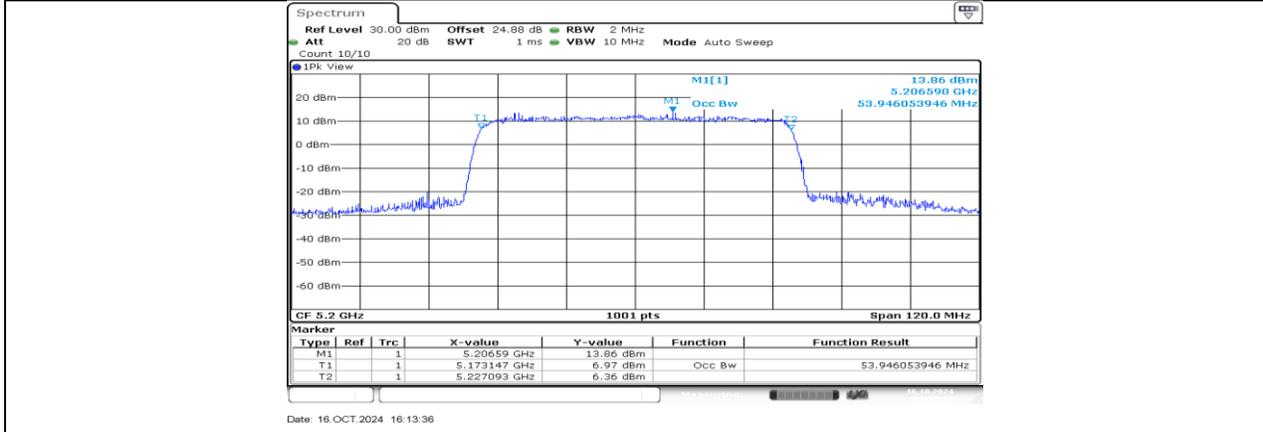
SRD 60M\_Ant1\_5191



SRD 60M\_Ant0\_5195



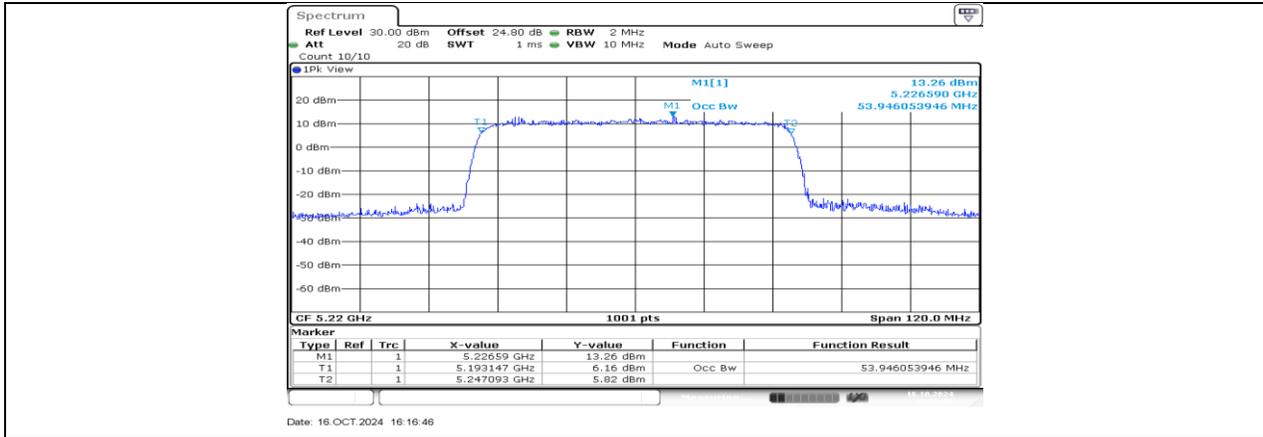
SRD 60M\_Ant1\_5195



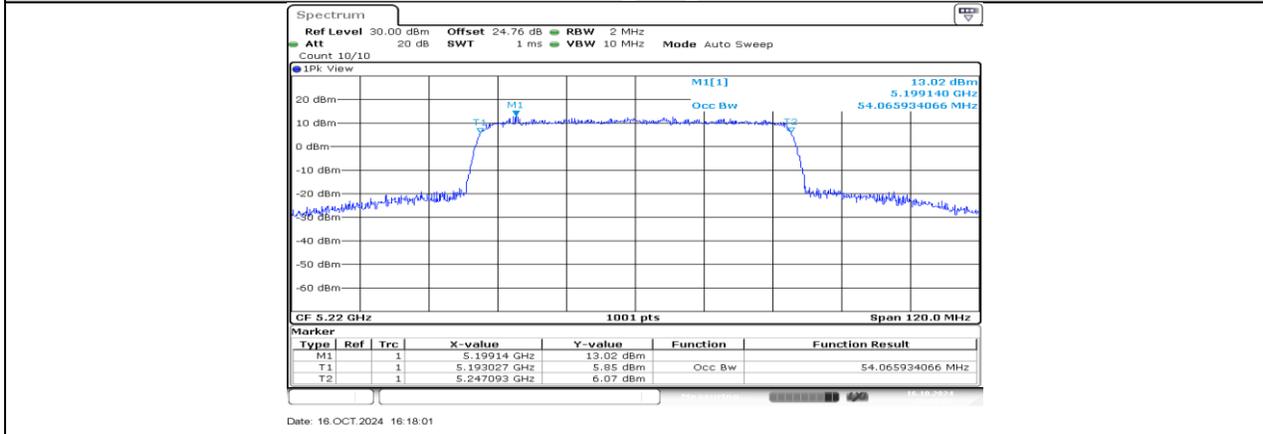
SRD 60M\_Ant0\_5200



SRD 60M\_Ant1\_5200



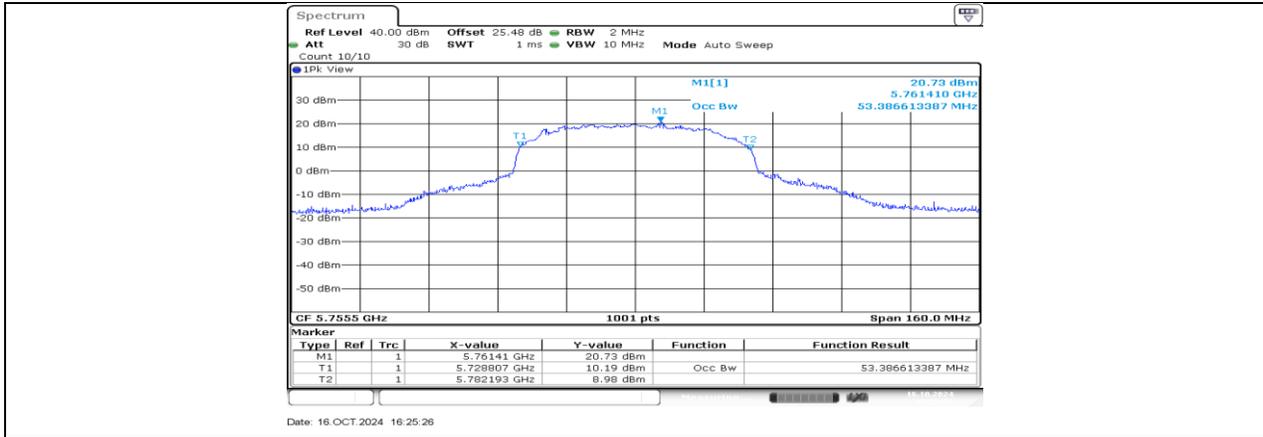
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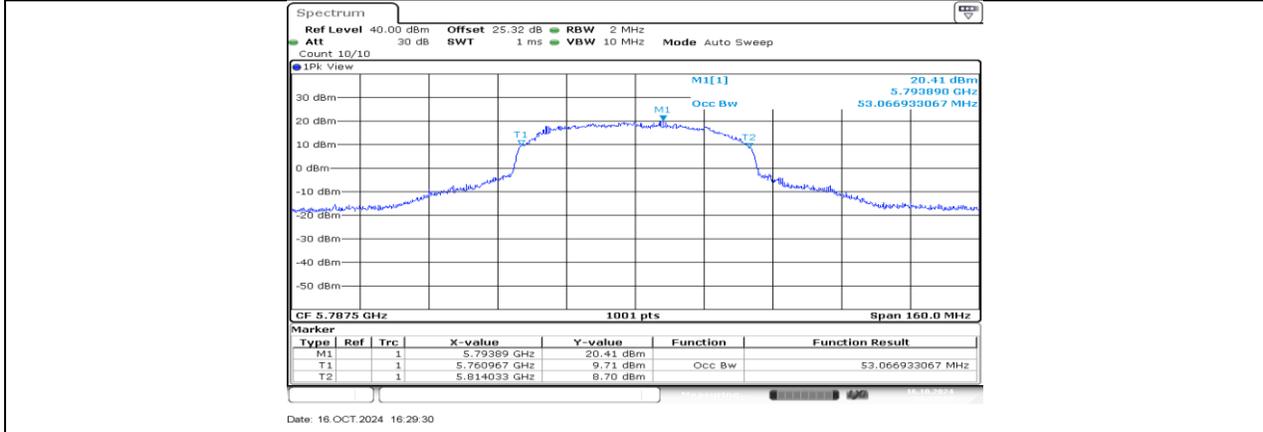
SRD 60M\_Ant1\_5220



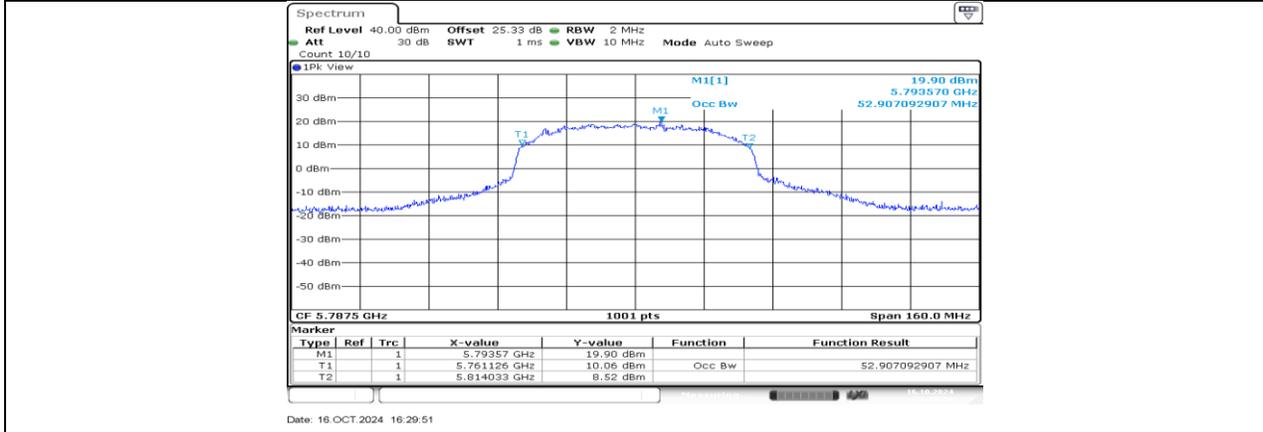
SRD 60M\_Ant0\_5755.5



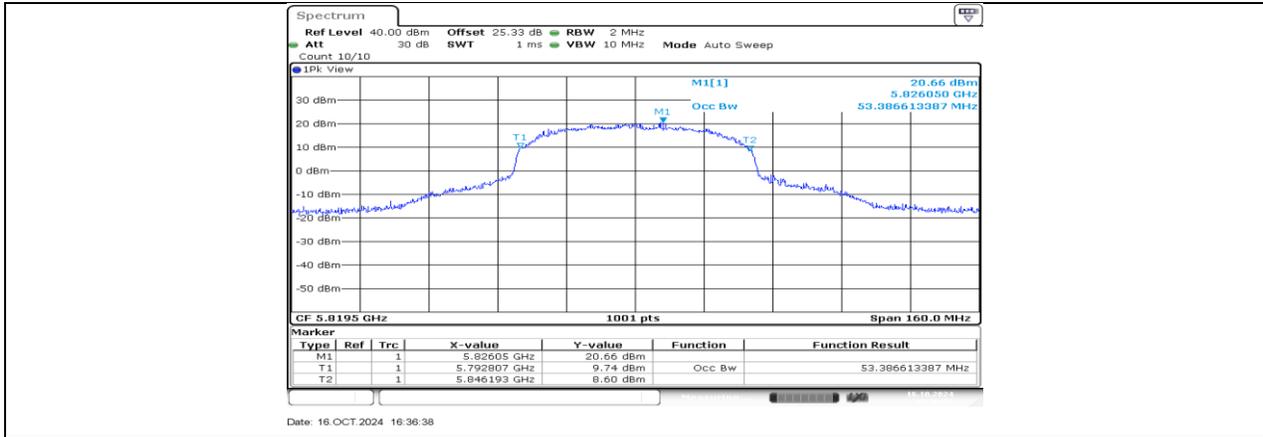
SRD 60M\_Ant1\_5755.5



SRD 60M\_Ant0\_5787.5



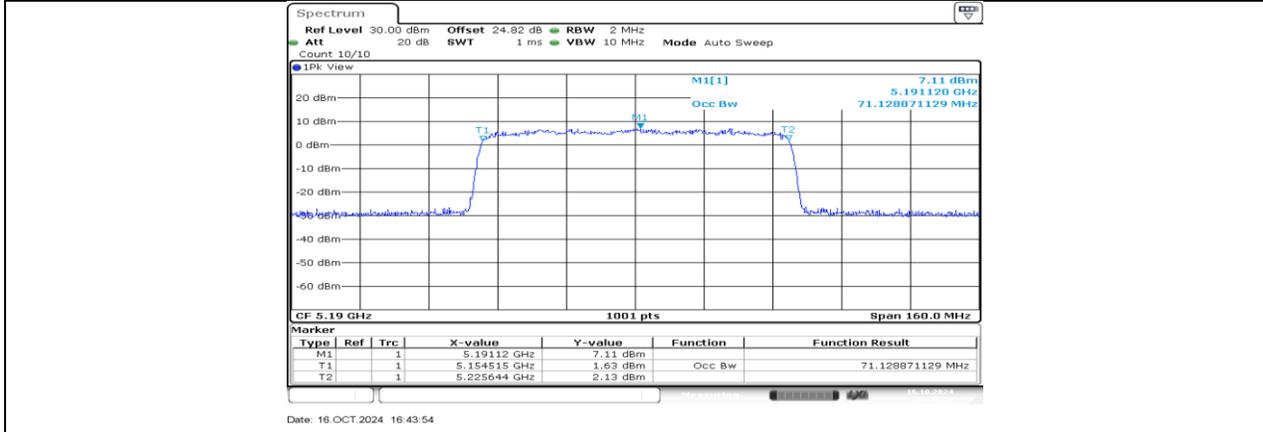
SRD 60M\_Ant1\_5787.5



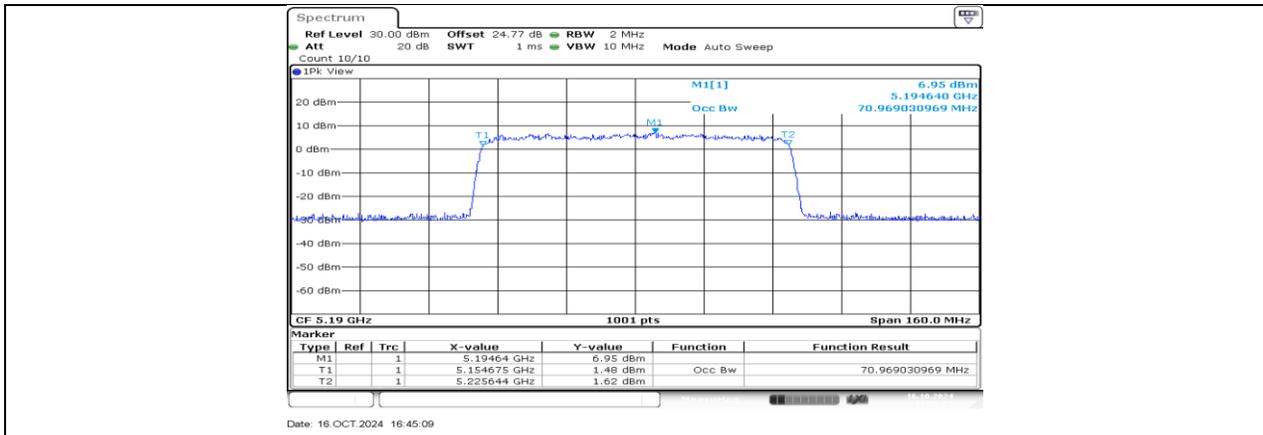
SRD 60M\_Ant0\_5819.5



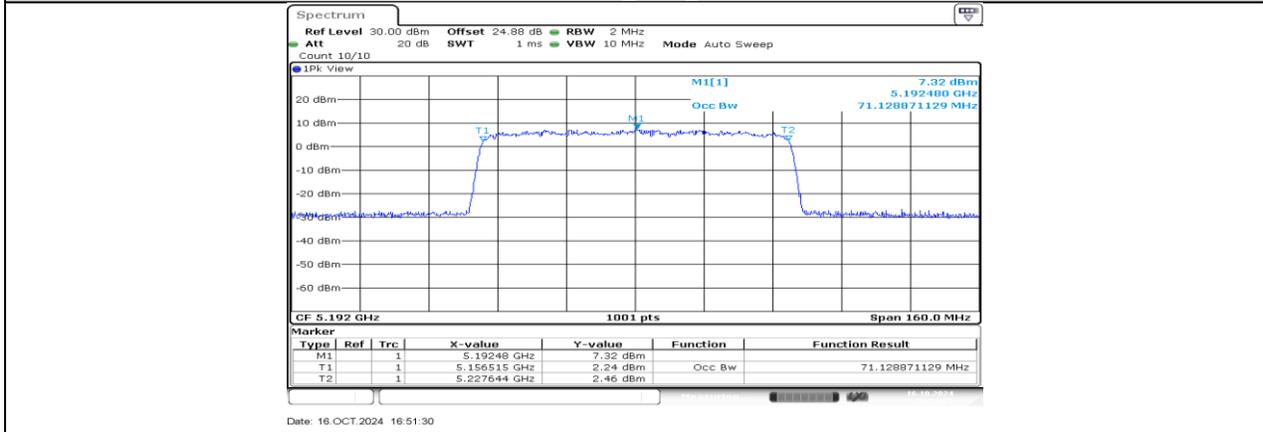
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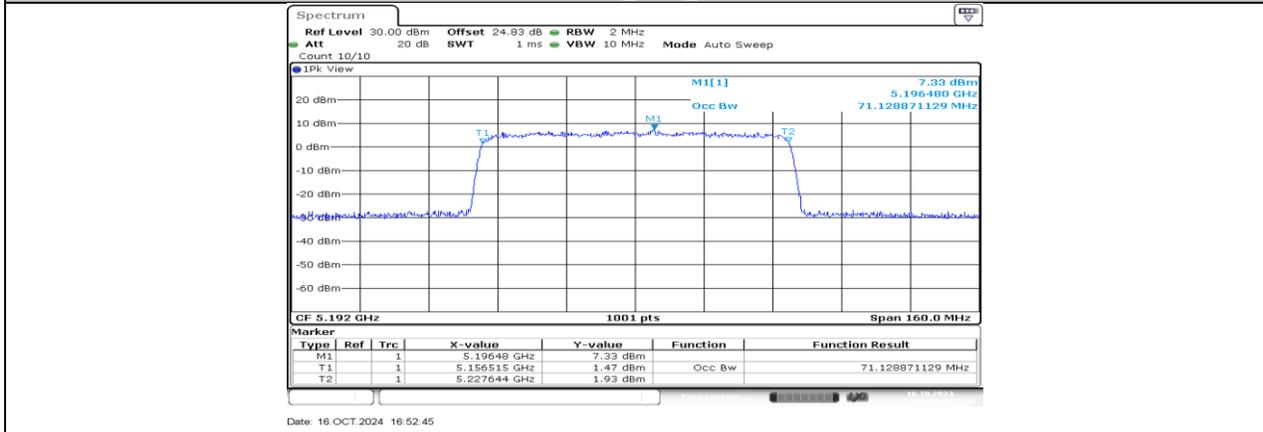
SRD 80M\_Ant0\_5190



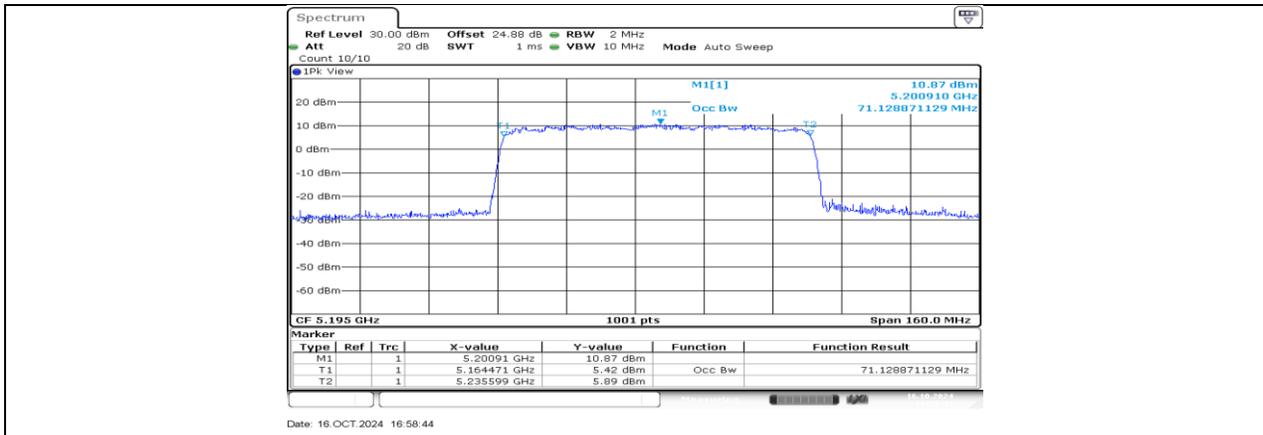
SRD 80M\_Ant1\_5190



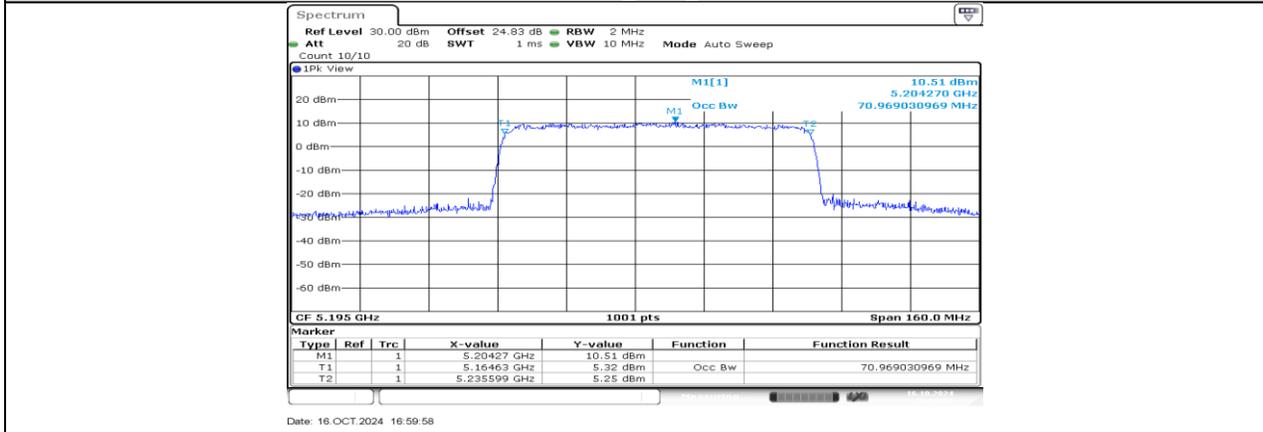
SRD 80M\_Ant0\_5192



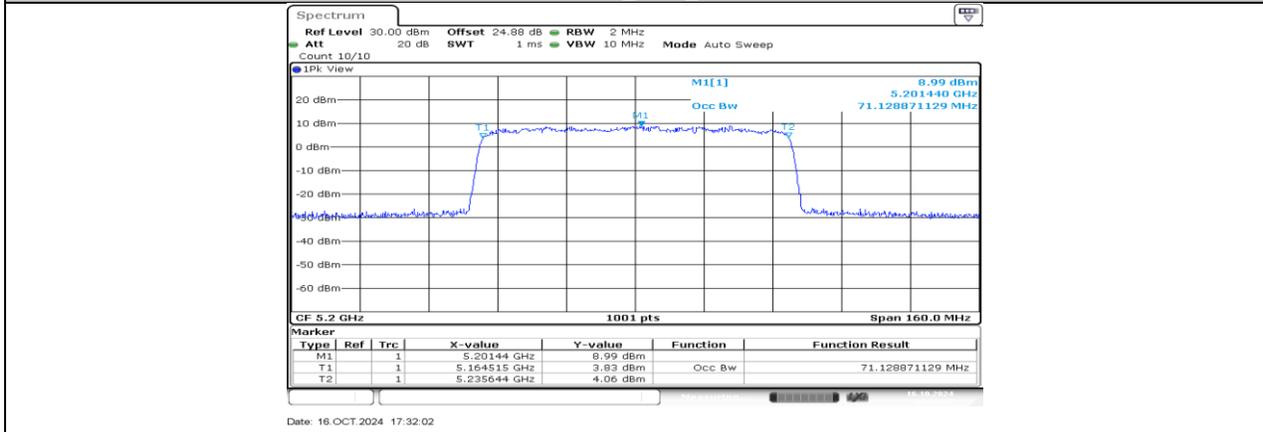
SRD 80M\_Ant1\_5192



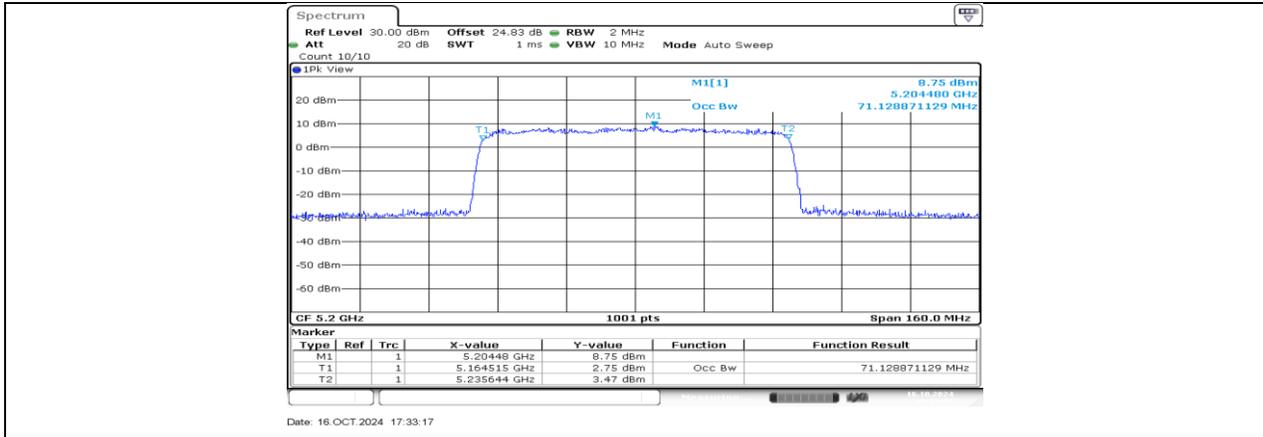
SRD 80M\_Ant0\_5195



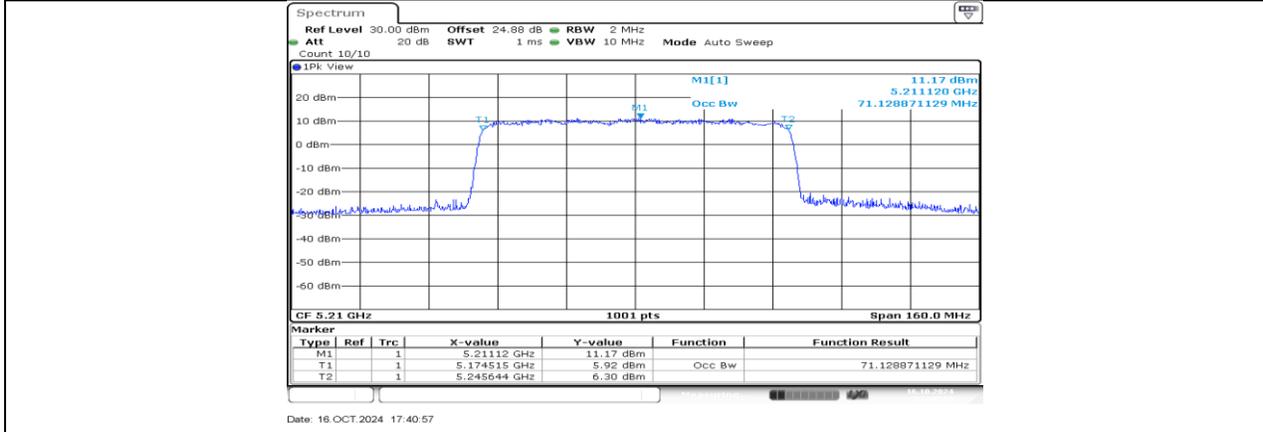
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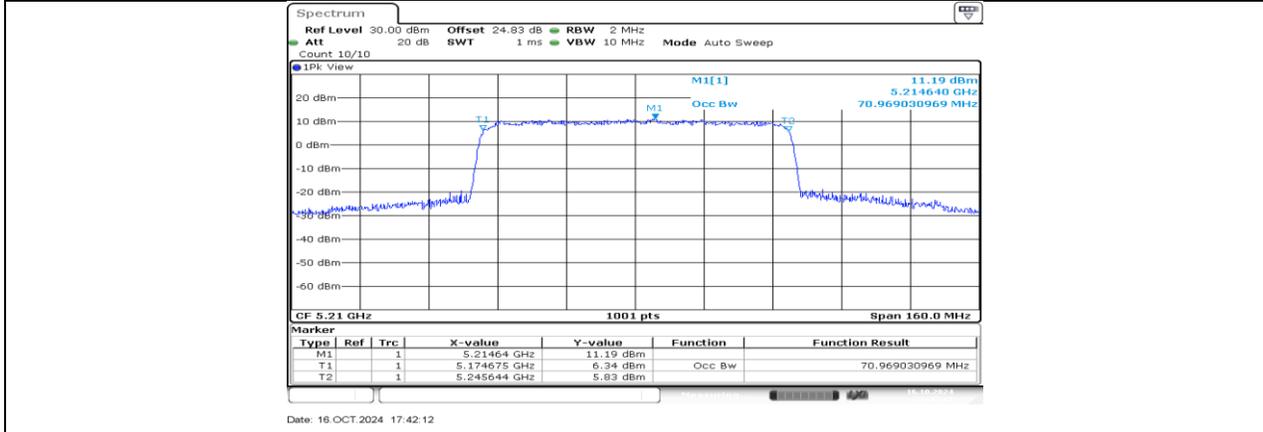
SRD 80M\_Ant0\_5200



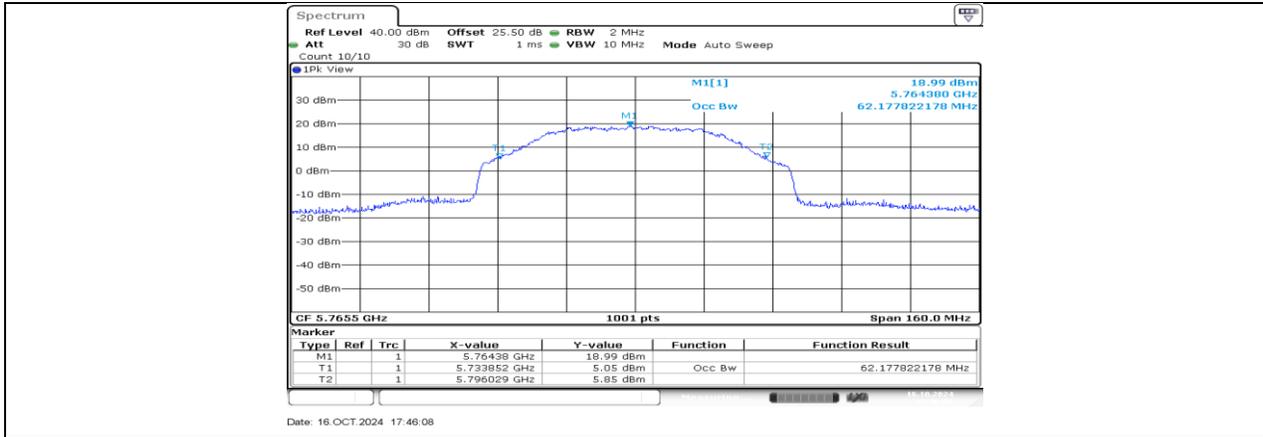
SRD 80M\_Ant1\_5200



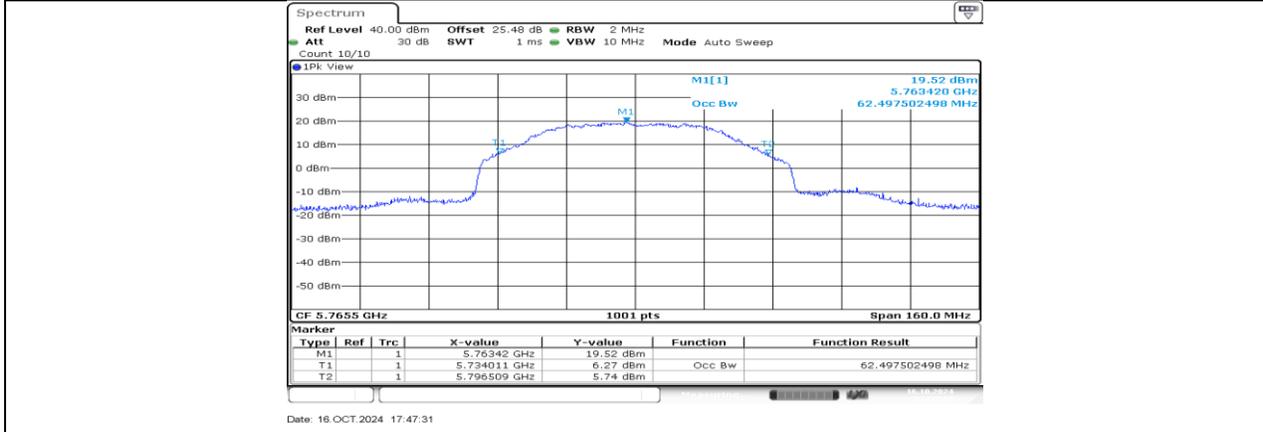
SRD 80M\_Ant0\_5210



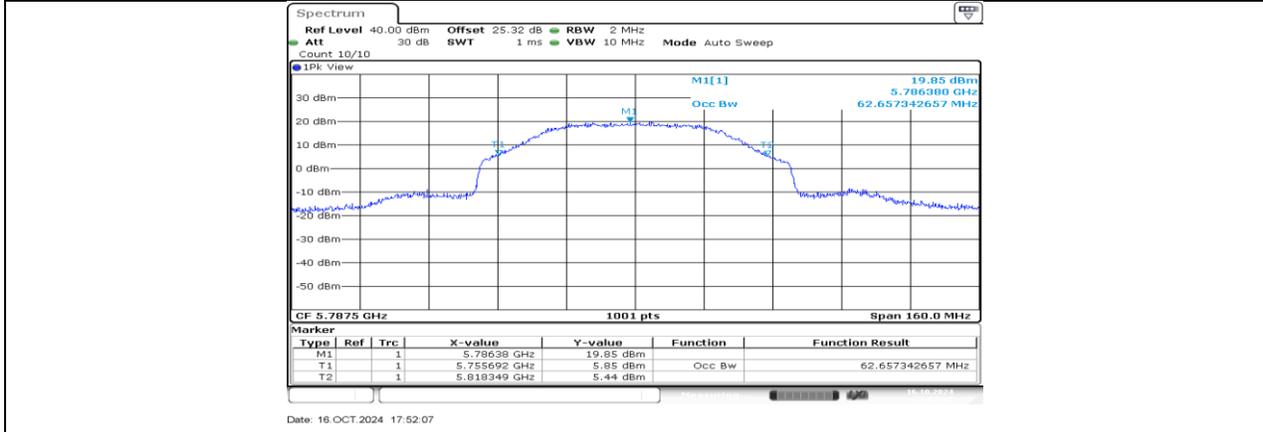
SRD 80M\_Ant1\_5210



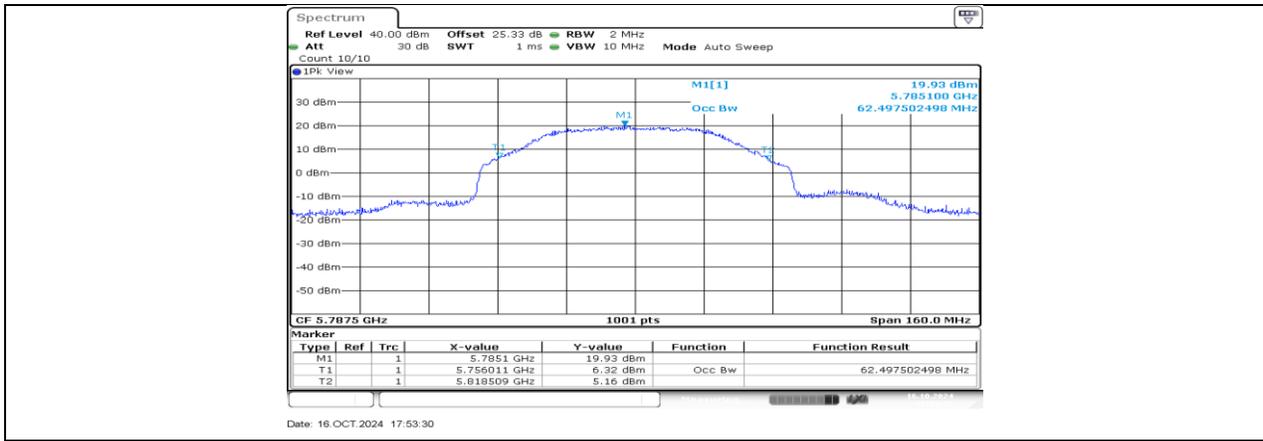
SRD 80M\_Ant0\_5765.5



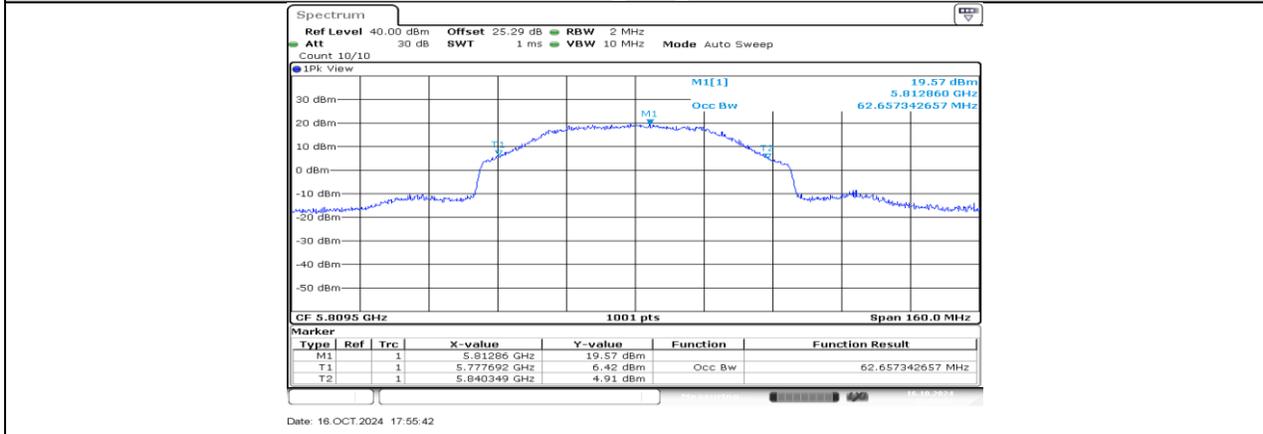
SRD 80M\_Ant1\_5765.5



SRD 80M\_Ant0\_5787.5



SRD 80M\_Ant1\_5787.5



SRD 80M\_Ant0\_5809.5



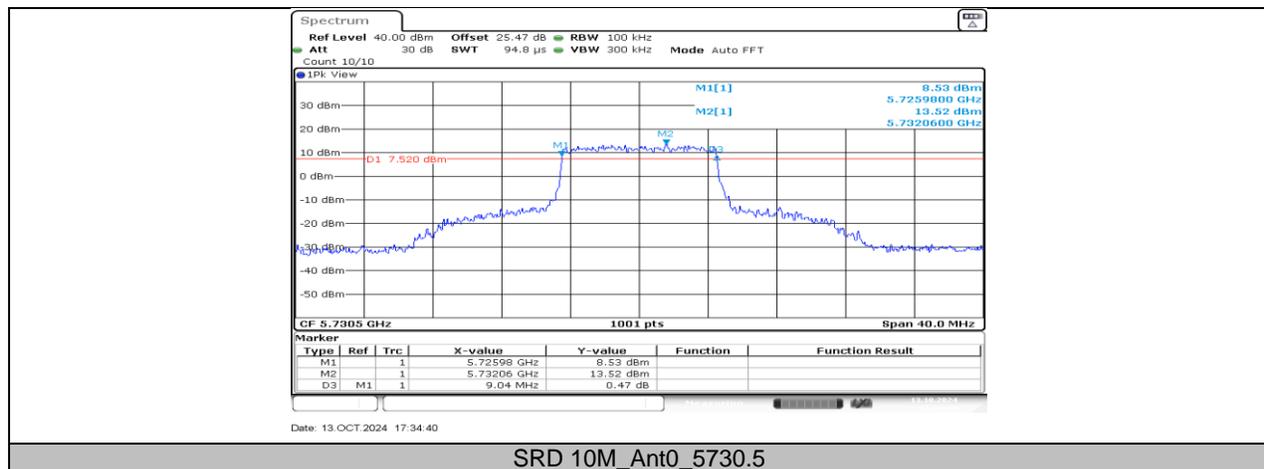
SRD 80M\_Ant1\_5809.5

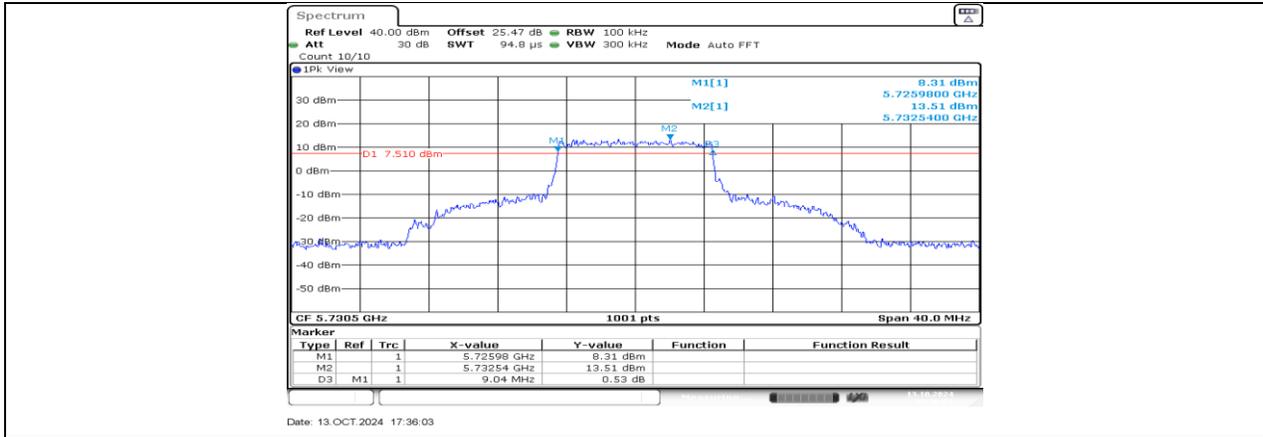
### 11.3. APPENDIX C: MIN EMISSION BANDWIDTH

#### 11.3.1. Test Result

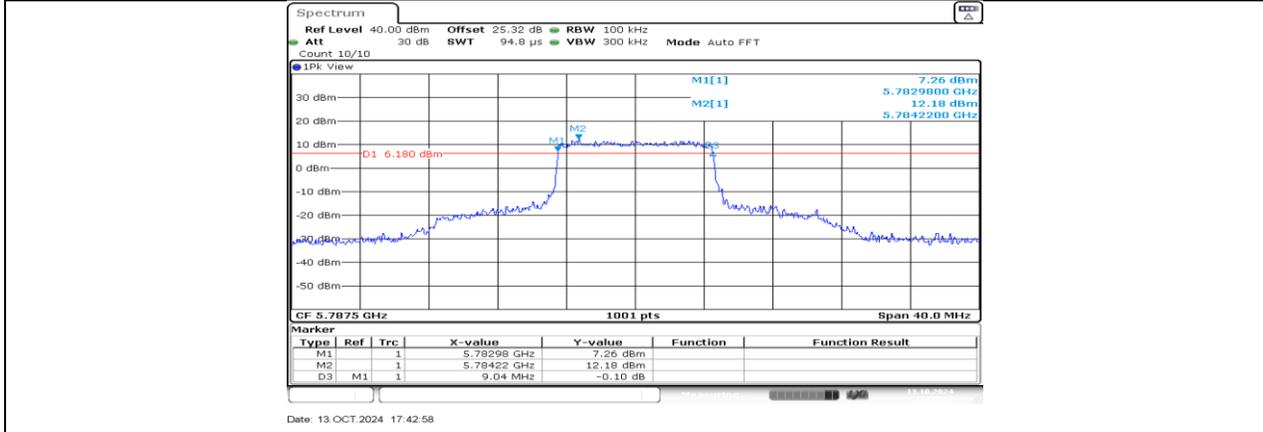
Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD 10M	Ant0	5730.5	9.04	5725.98	5735.02	≥0.5	PASS
	Ant1	5730.5	9.04	5725.98	5735.02	≥0.5	PASS
	Ant0	5787.5	9.04	5782.98	5792.02	≥0.5	PASS
	Ant1	5787.5	9.04	5782.98	5792.02	≥0.5	PASS
	Ant0	5844.5	9.04	5839.98	5849.02	≥0.5	PASS
	Ant1	5844.5	9.04	5839.98	5849.02	≥0.5	PASS
SRD 20M	Ant0	5735.5	17.92	5726.54	5744.46	≥0.5	PASS
	Ant1	5735.5	17.84	5726.58	5744.42	≥0.5	PASS
	Ant0	5787.5	17.76	5778.58	5796.34	≥0.5	PASS
	Ant1	5787.5	17.92	5778.54	5796.46	≥0.5	PASS
	Ant0	5839.5	17.76	5830.70	5848.46	≥0.5	PASS
	Ant1	5839.5	17.88	5830.58	5848.46	≥0.5	PASS
SRD 40M	Ant0	5745.5	21.52	5734.70	5756.22	≥0.5	PASS
	Ant1	5745.5	21.52	5735.34	5756.86	≥0.5	PASS
	Ant0	5787.5	23.68	5776.62	5800.30	≥0.5	PASS
	Ant1	5787.5	21.76	5777.10	5798.86	≥0.5	PASS
	Ant0	5829.5	23.44	5818.70	5842.14	≥0.5	PASS
	Ant1	5829.5	22.24	5818.62	5840.86	≥0.5	PASS
SRD 60M	Ant0	5755.5	42.72	5734.06	5776.78	≥0.5	PASS
	Ant1	5755.5	39.84	5734.86	5774.70	≥0.5	PASS
	Ant0	5787.5	43.04	5764.62	5807.66	≥0.5	PASS
	Ant1	5787.5	38.56	5767.66	5806.22	≥0.5	PASS
	Ant0	5819.5	43.20	5796.62	5839.82	≥0.5	PASS
	Ant1	5819.5	41.28	5798.86	5840.14	≥0.5	PASS
SRD 80M	Ant0	5765.5	43.52	5743.58	5787.10	≥0.5	PASS
	Ant1	5765.5	41.12	5744.70	5785.82	≥0.5	PASS
	Ant0	5787.5	38.56	5767.18	5805.74	≥0.5	PASS
	Ant1	5787.5	40.96	5766.70	5807.66	≥0.5	PASS
	Ant0	5809.5	37.92	5789.66	5827.58	≥0.5	PASS
	Ant1	5809.5	40.64	5789.50	5830.14	≥0.5	PASS

#### 11.3.2. Test Graphs

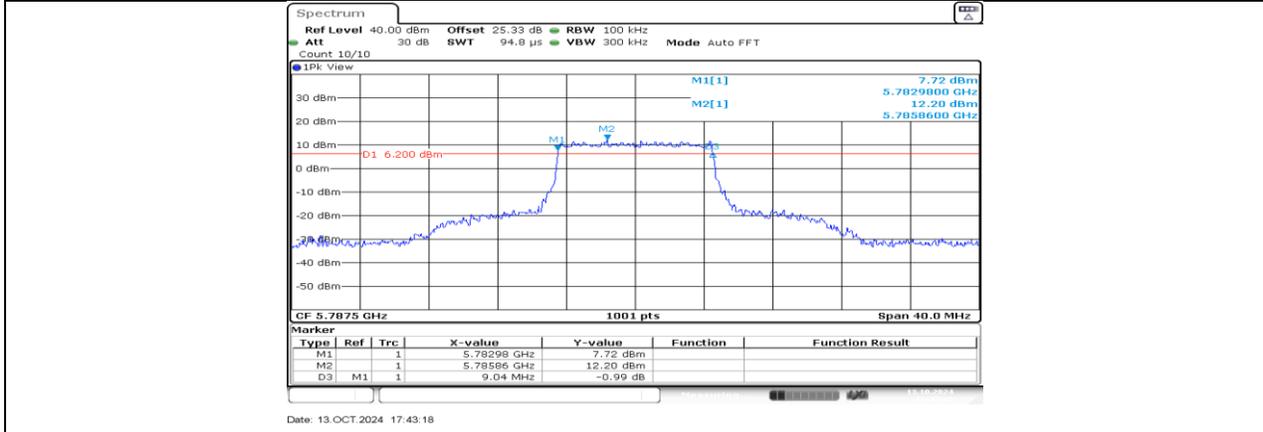




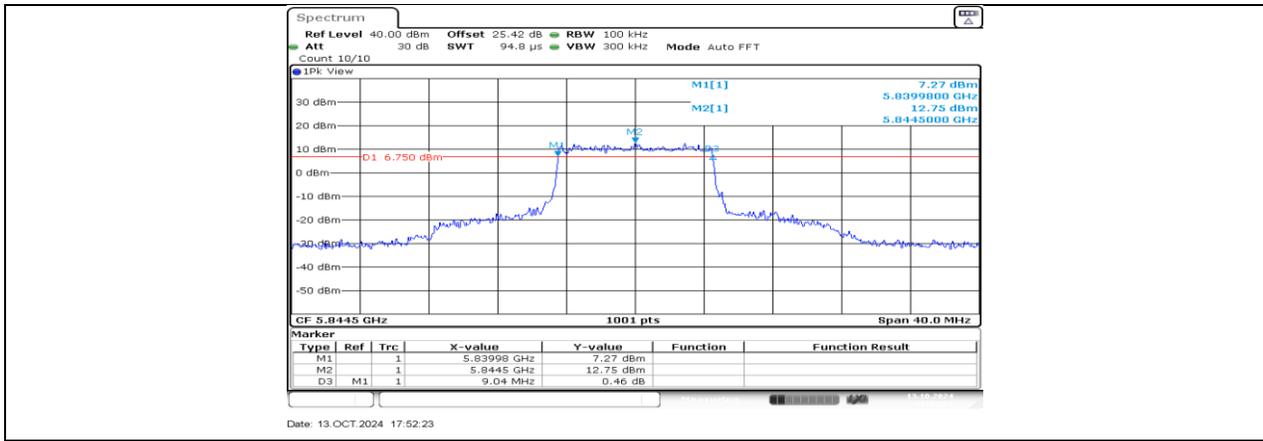
SRD 10M\_Ant1\_5730.5



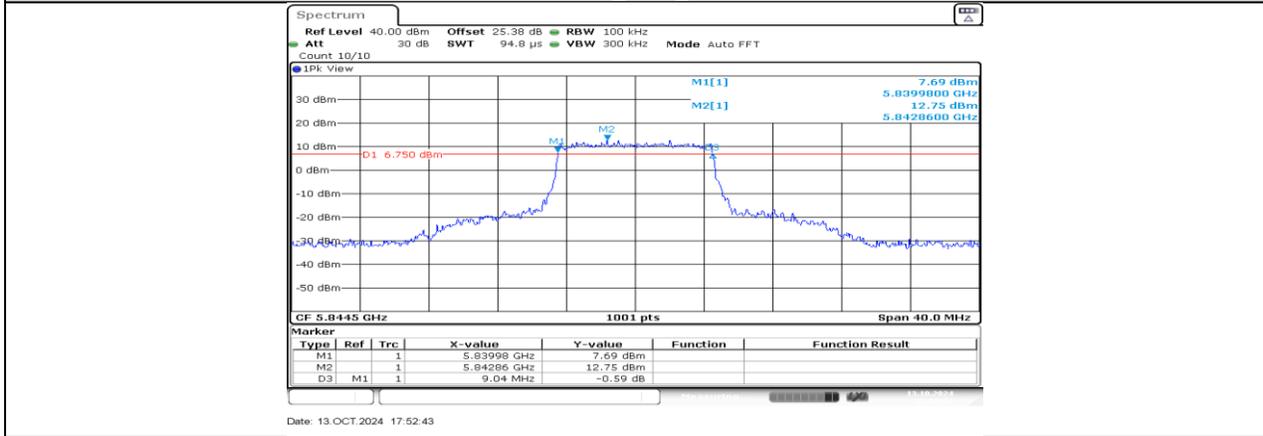
SRD 10M\_Ant0\_5787.5



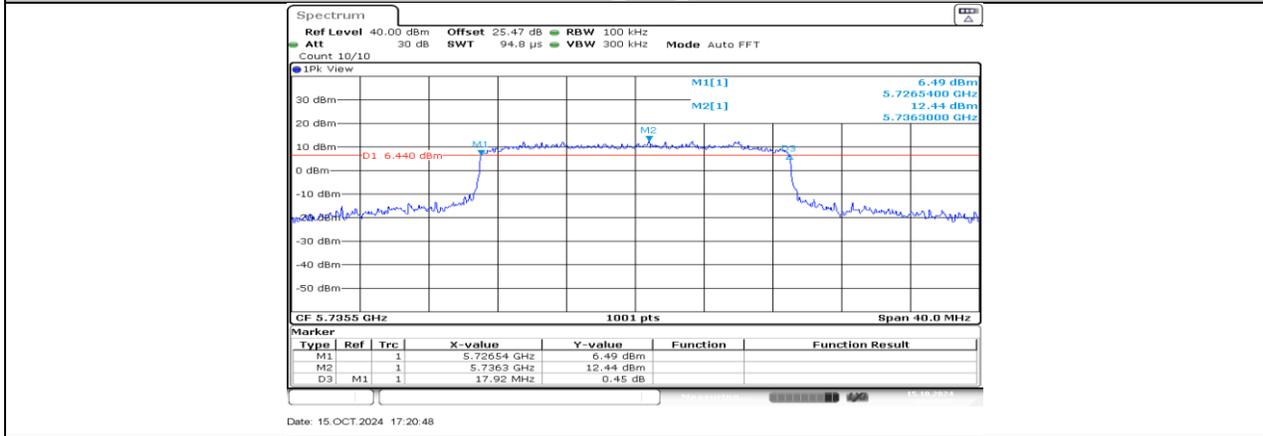
SRD 10M\_Ant1\_5787.5



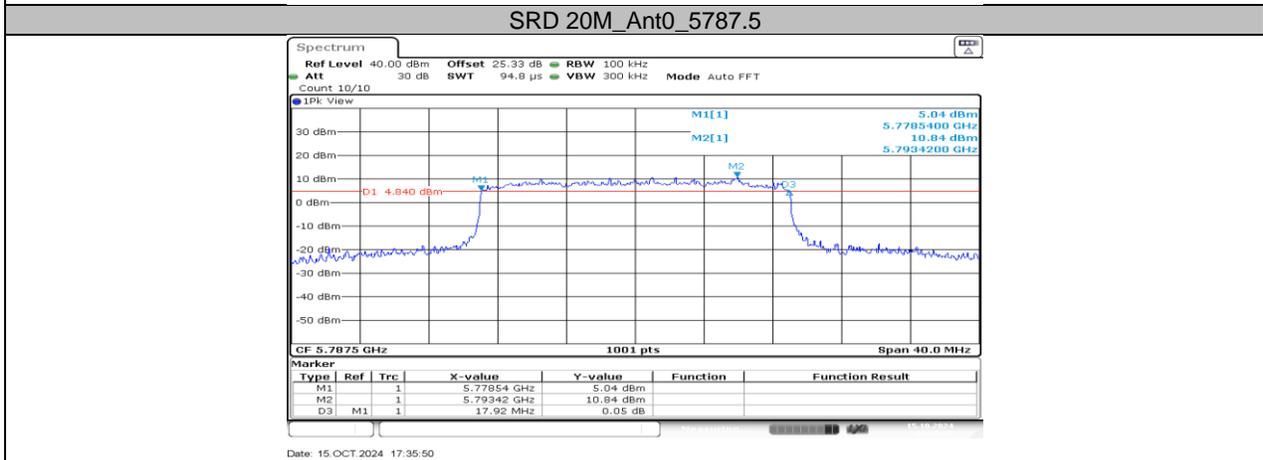
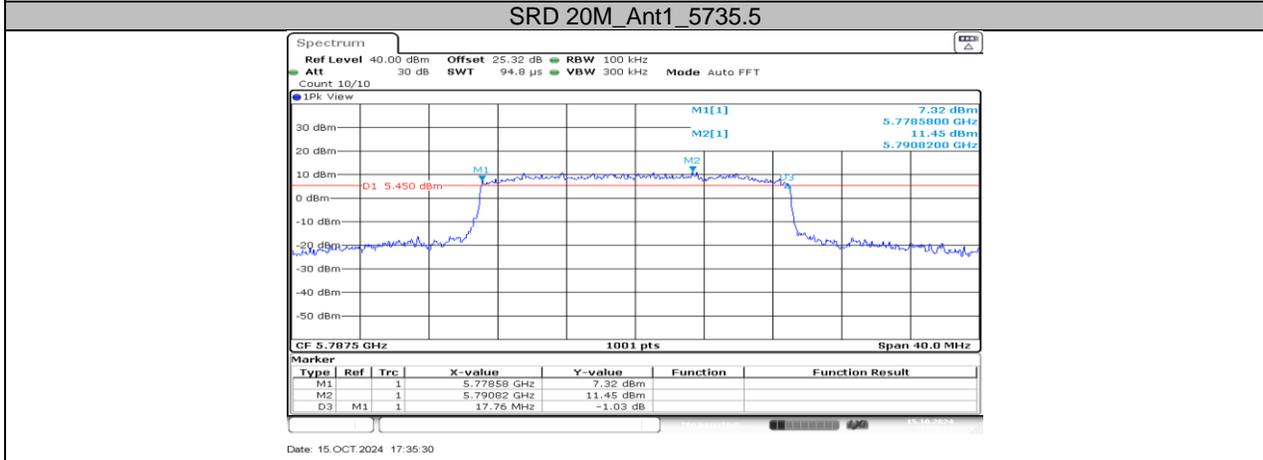
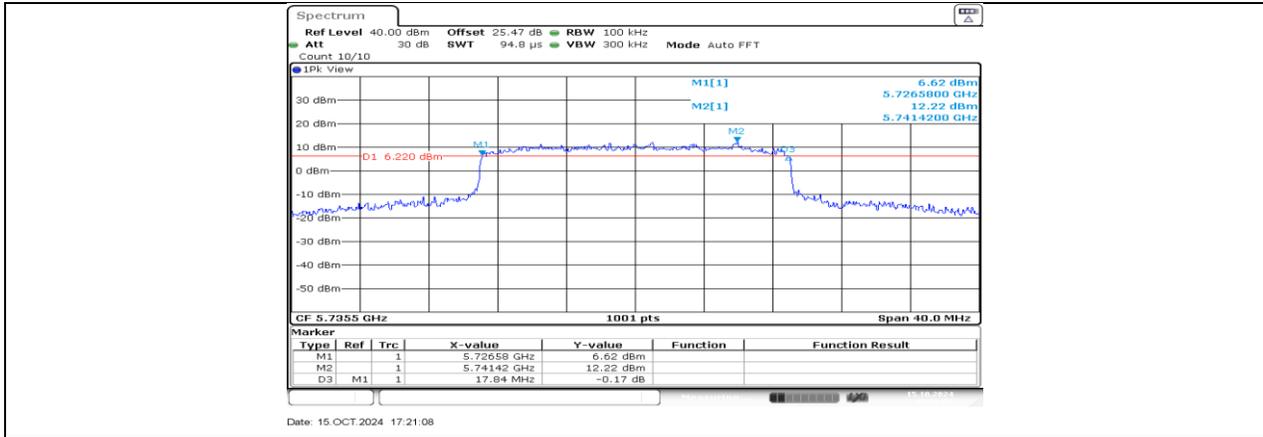
SRD 10M\_Ant0\_5844.5

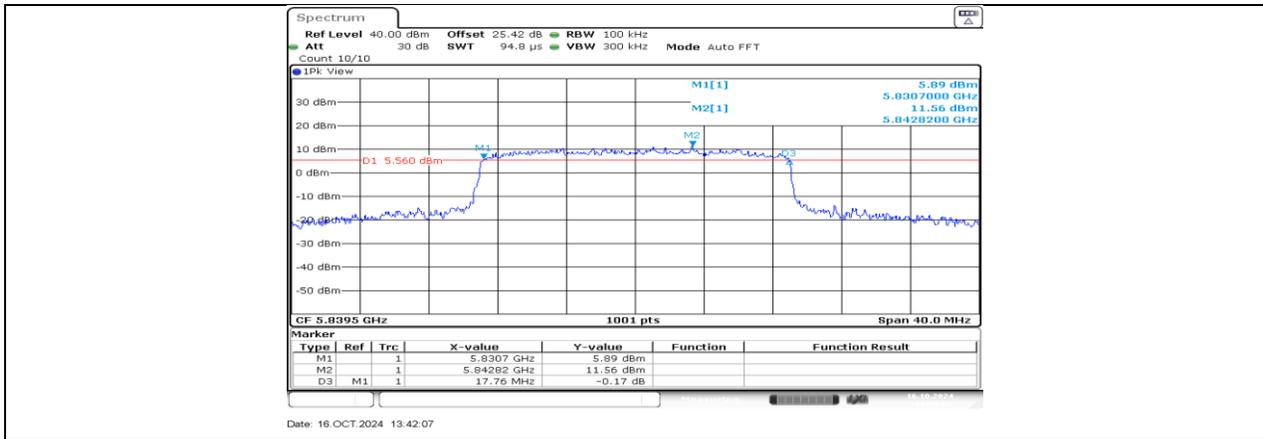


SRD 10M\_Ant1\_5844.5

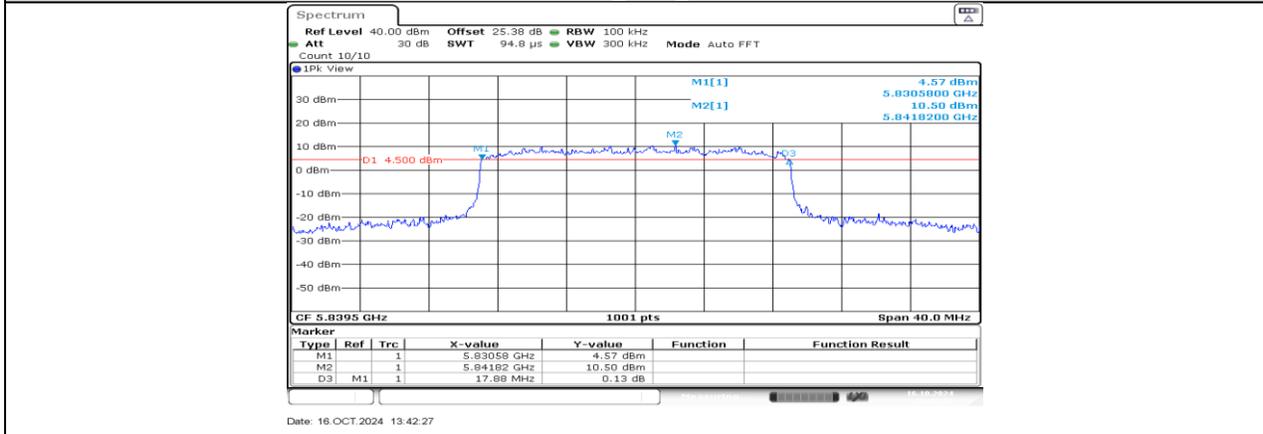


SRD 20M\_Ant0\_5735.5

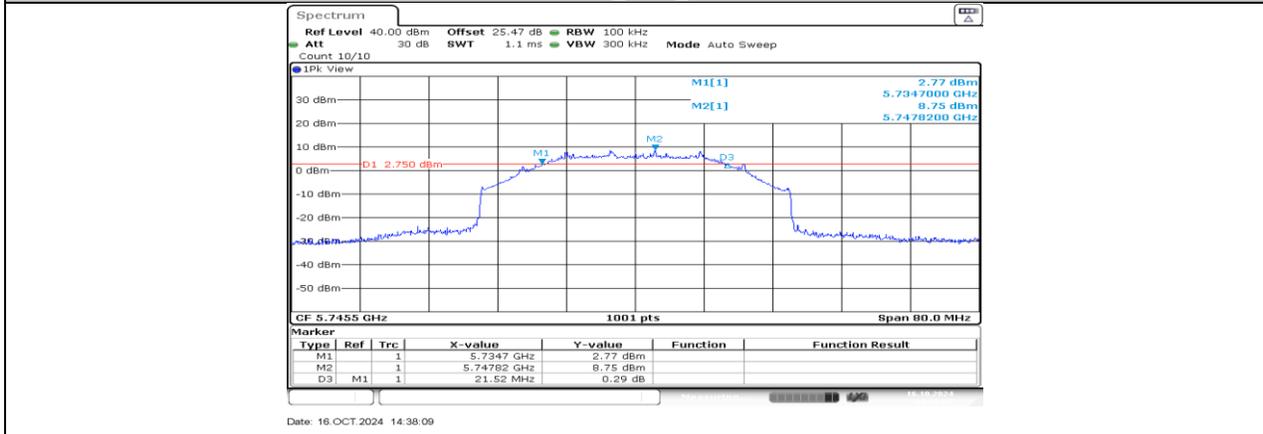




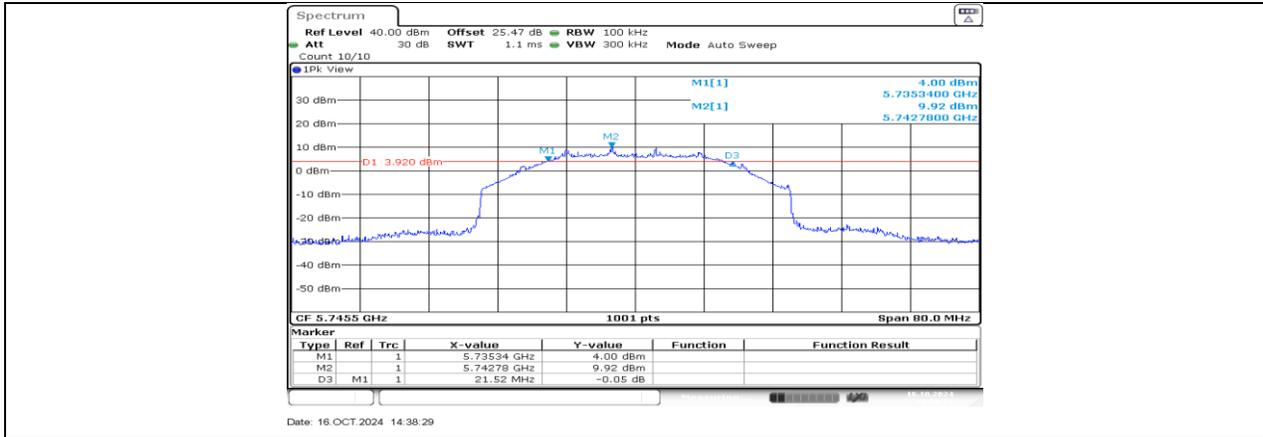
SRD 20M\_Ant0\_5839.5



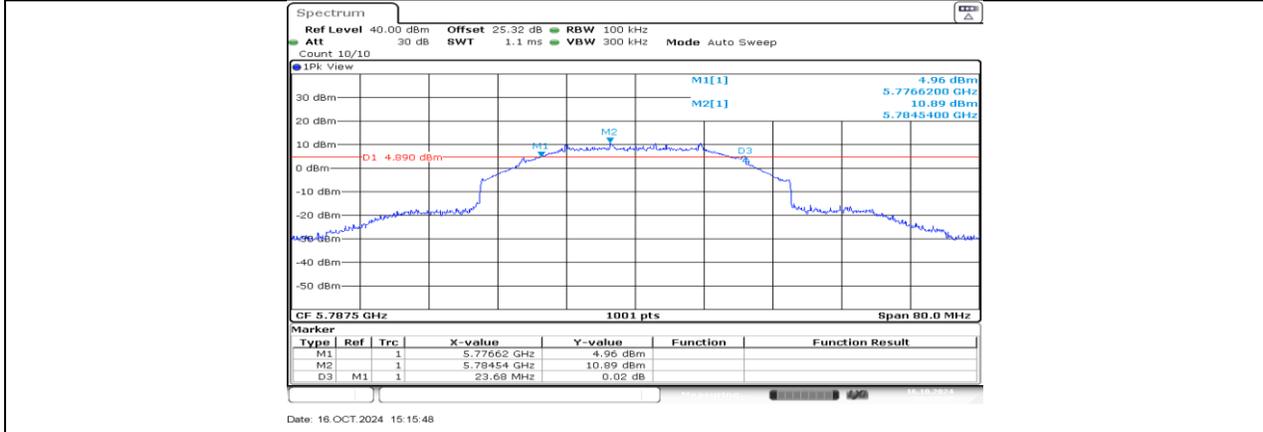
SRD 20M\_Ant1\_5839.5



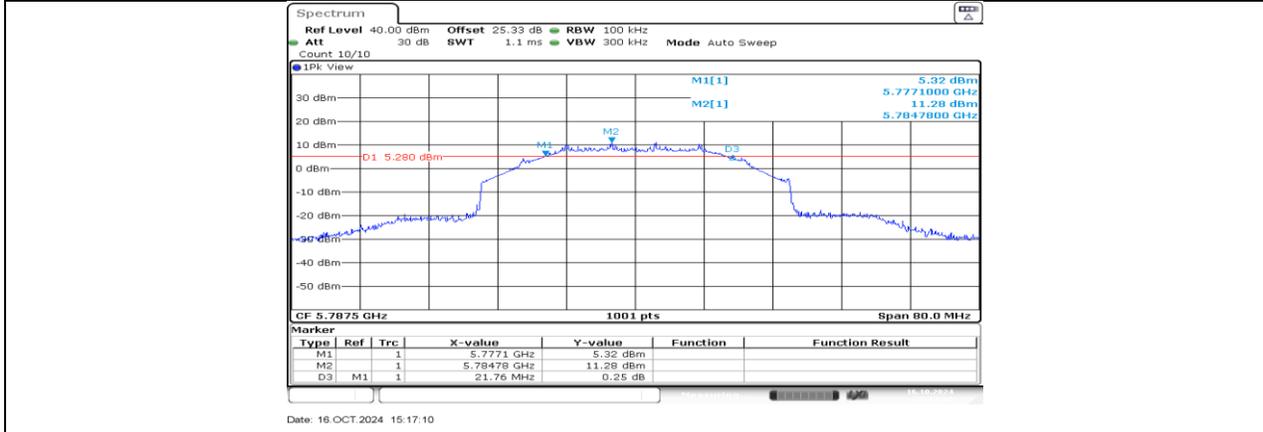
SRD 40M\_Ant0\_5745.5



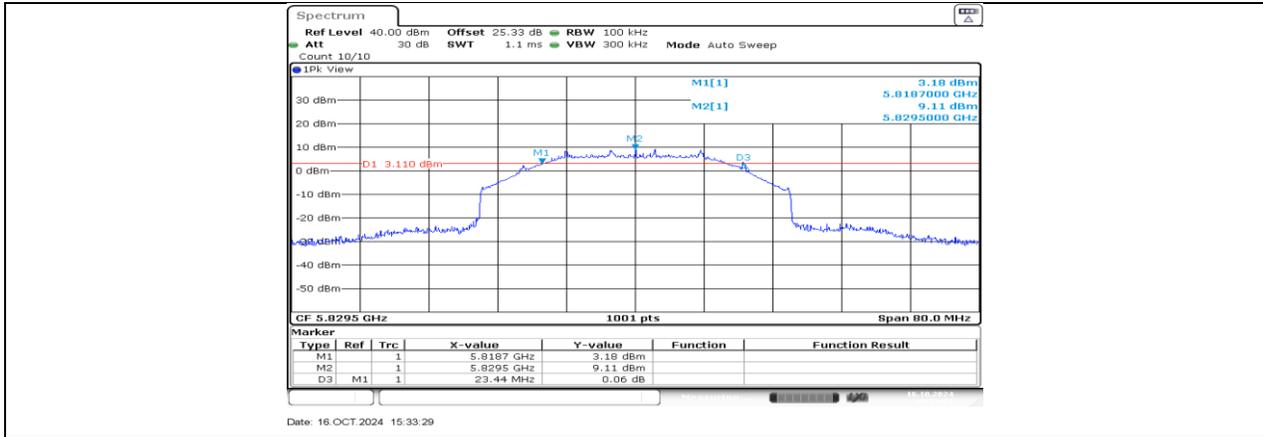
SRD 40M\_Ant1\_5745.5



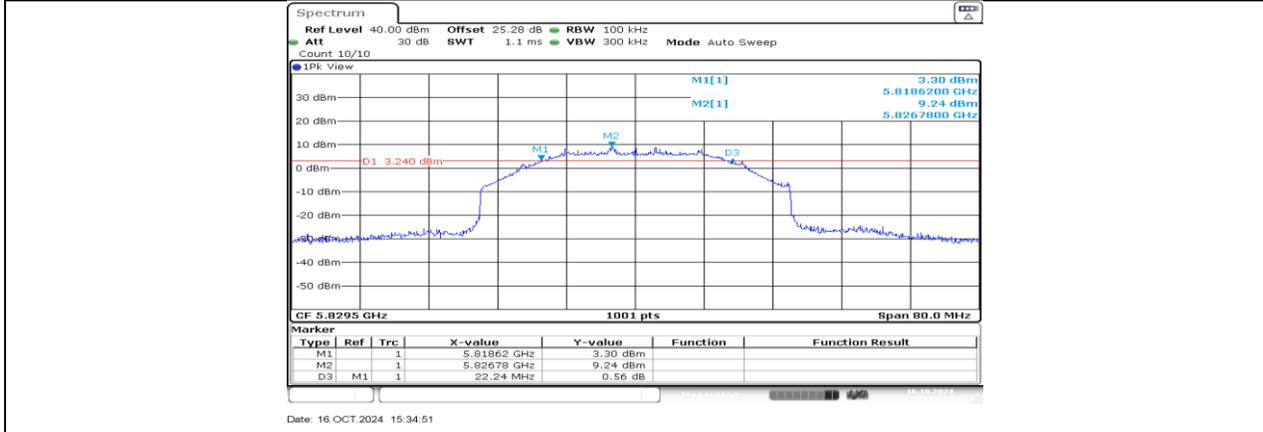
SRD 40M\_Ant0\_5787.5



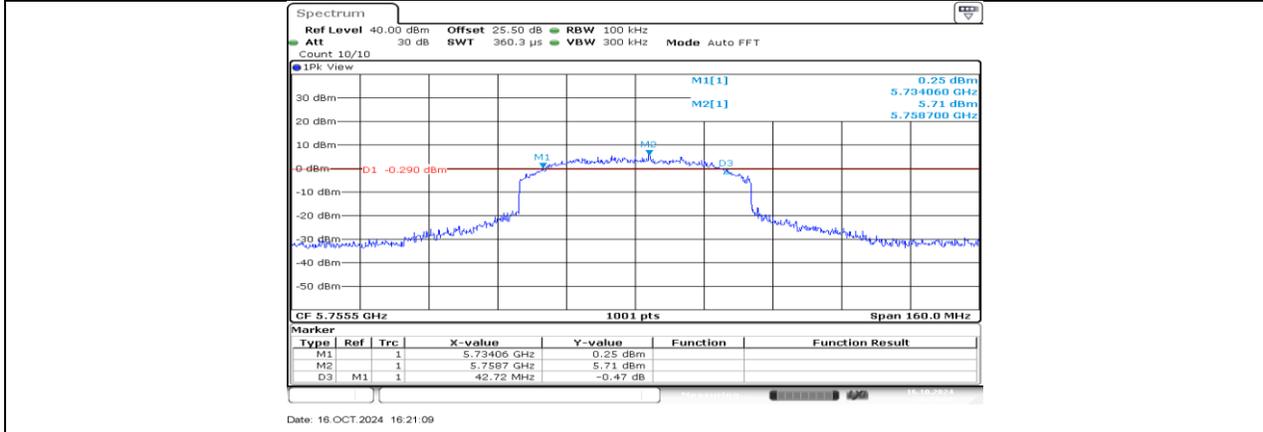
SRD 40M\_Ant1\_5787.5



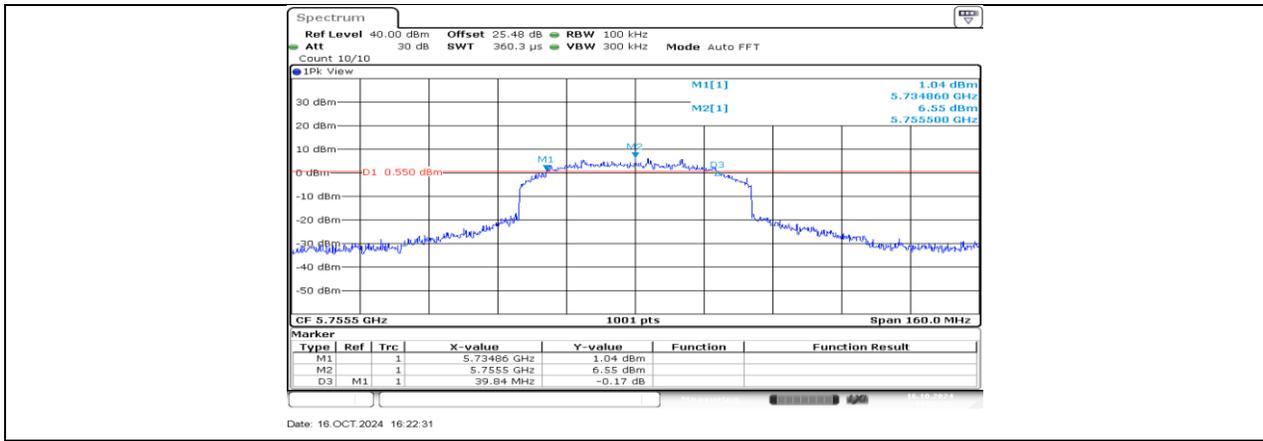
SRD 40M\_Ant0\_5829.5



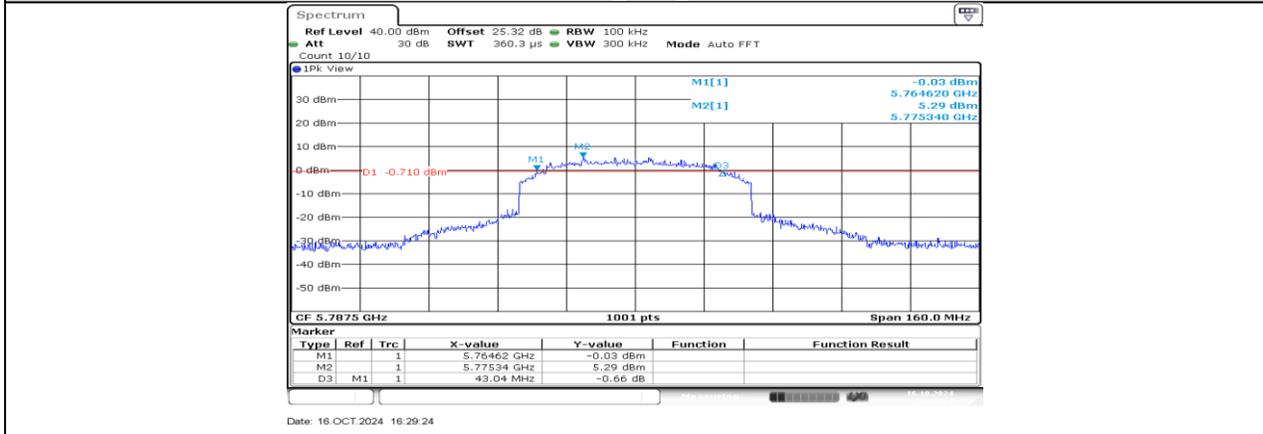
SRD 40M\_Ant1\_5829.5



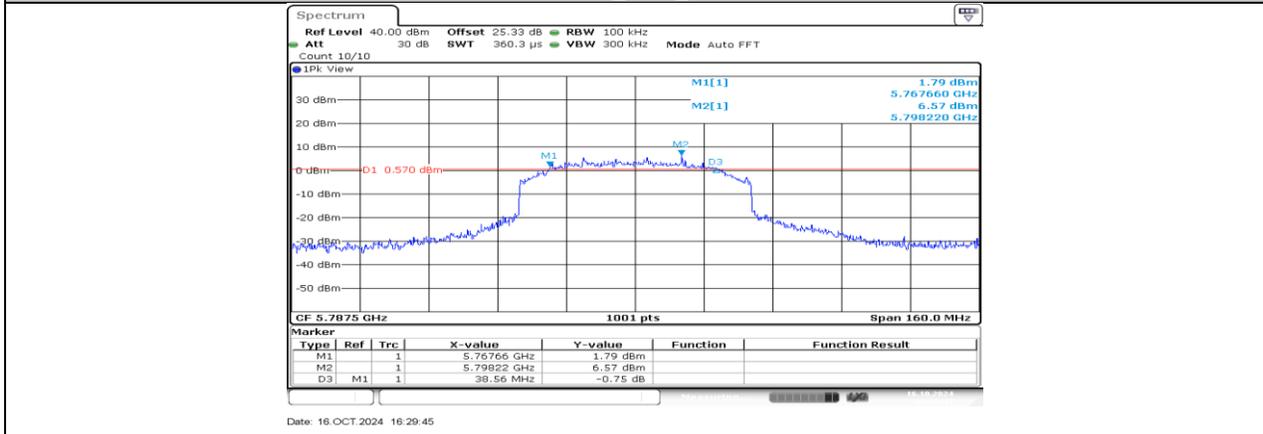
SRD 60M\_Ant0\_5755.5



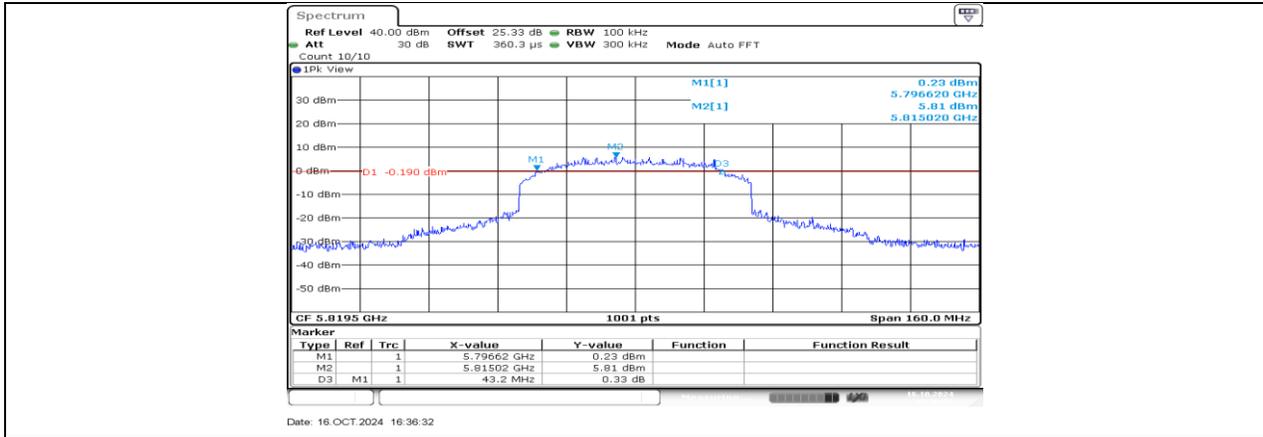
SRD 60M\_Ant1\_5755.5



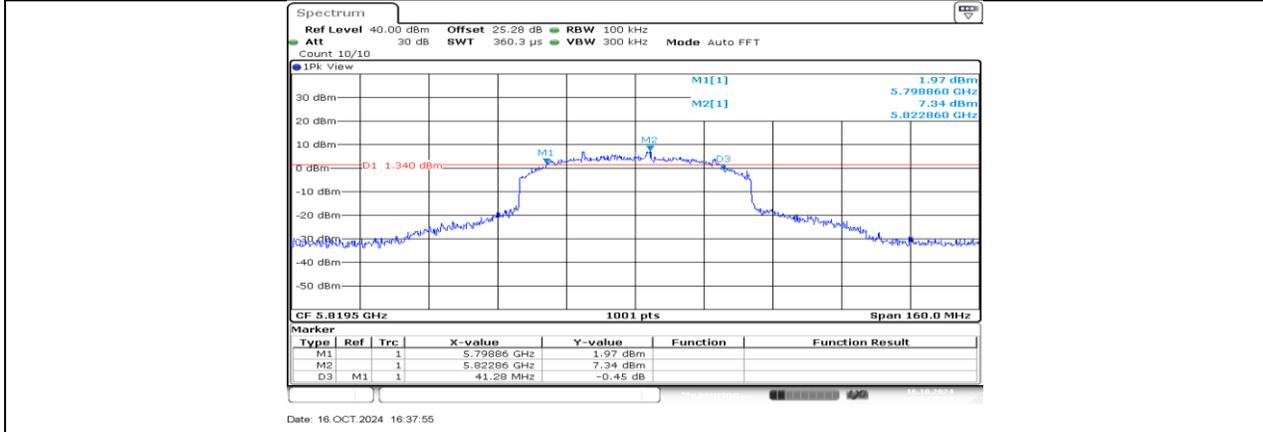
SRD 60M\_Ant0\_5787.5



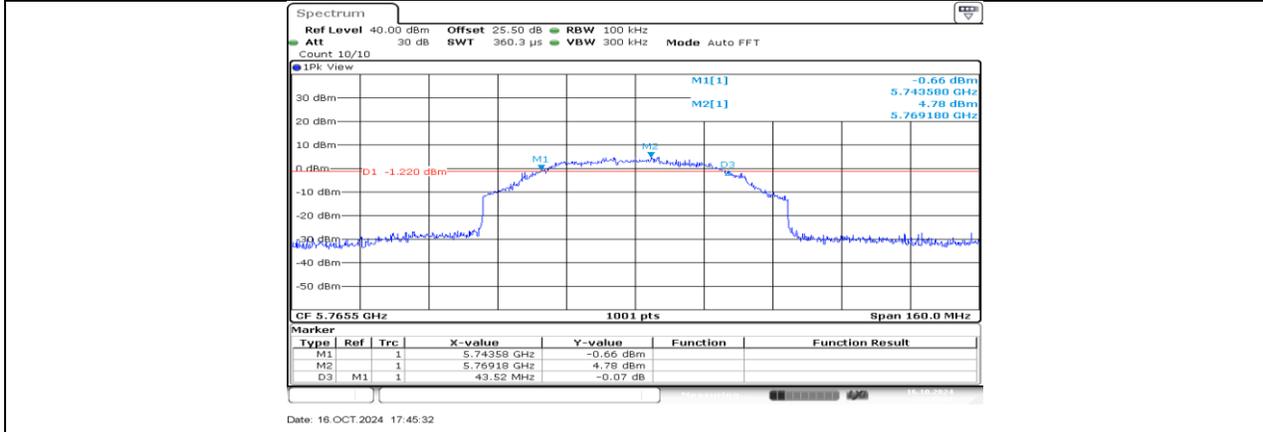
SRD 60M\_Ant1\_5787.5



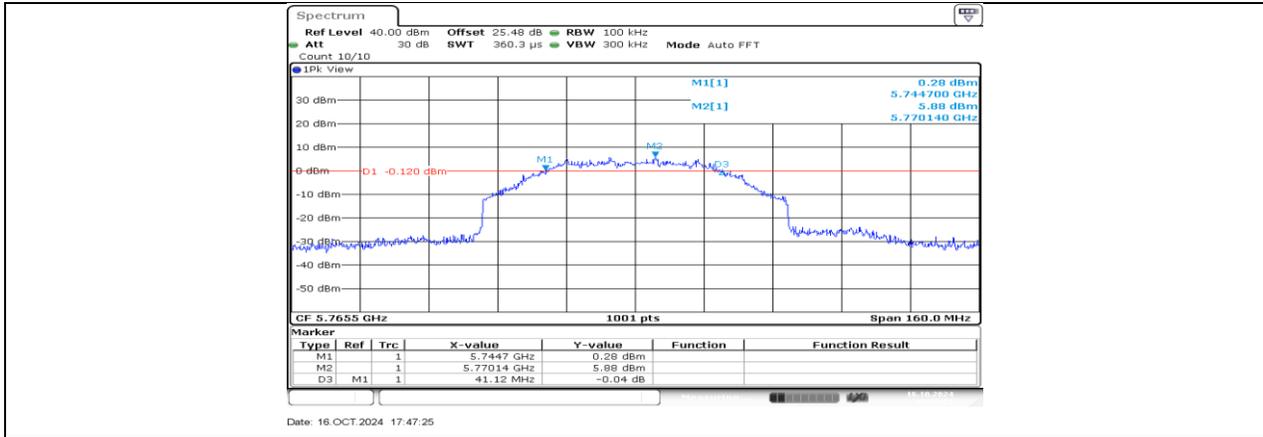
SRD 60M\_Ant0\_5819.5



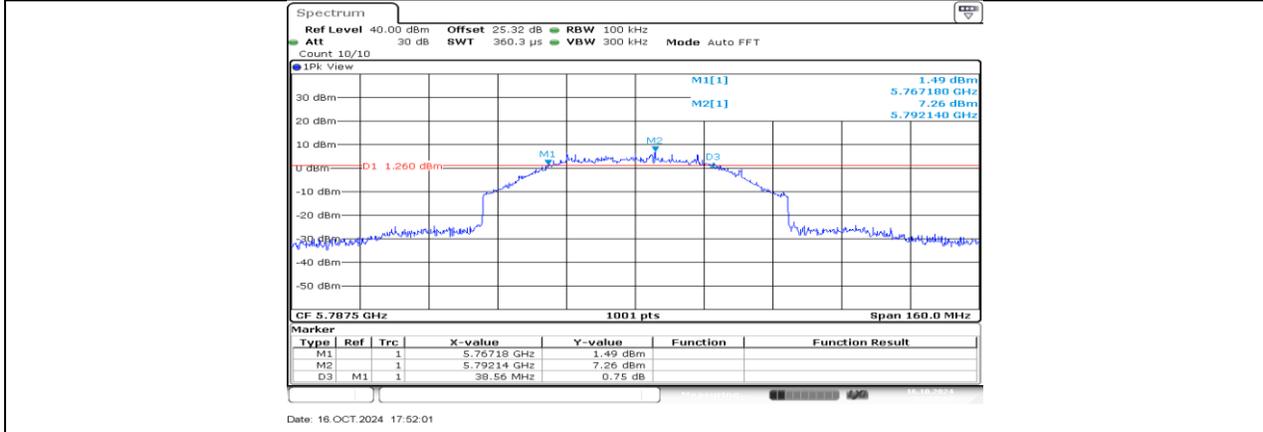
SRD 60M\_Ant1\_5819.5



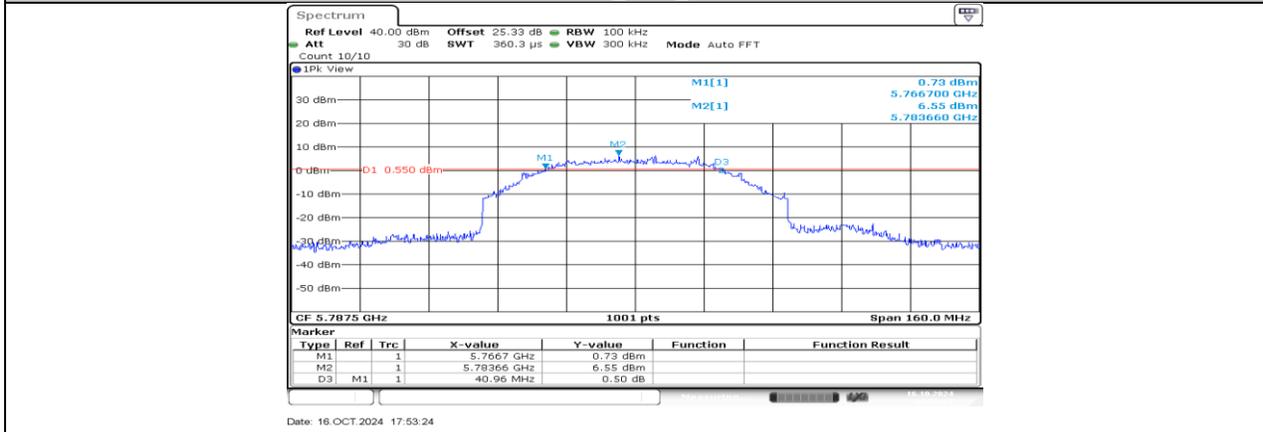
SRD 80M\_Ant0\_5765.5



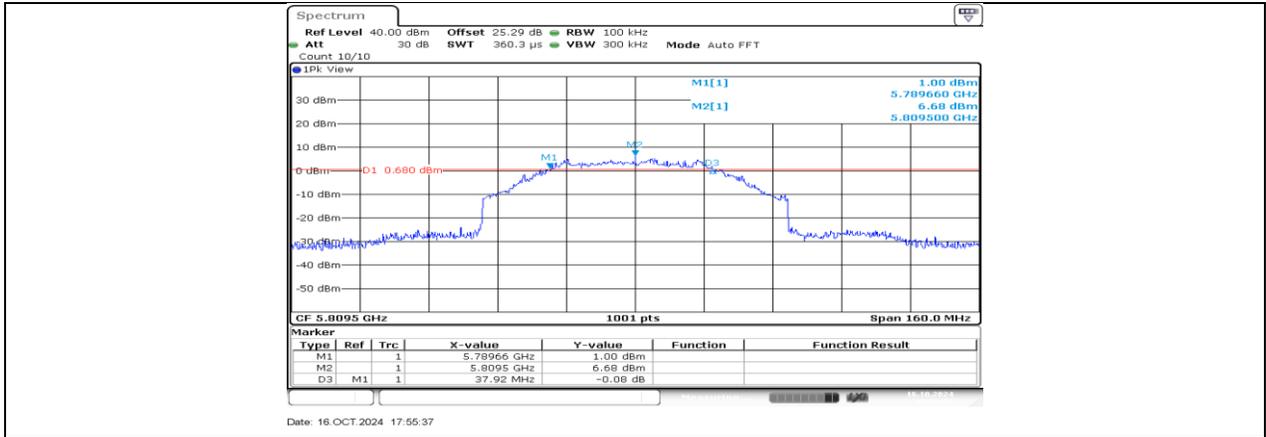
SRD 80M\_Ant1\_5765.5



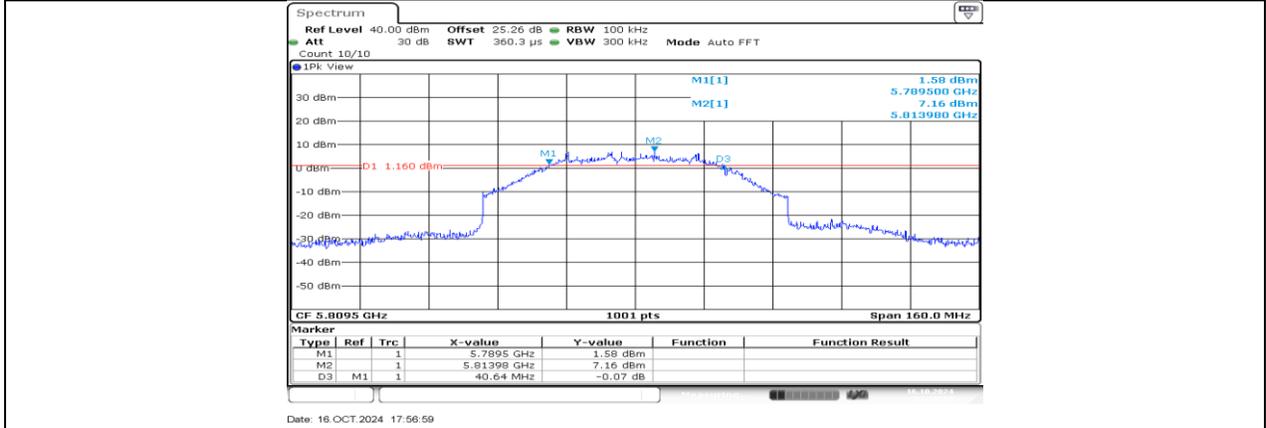
SRD 80M\_Ant0\_5787.5



SRD 80M\_Ant1\_5787.5



SRD 80M\_Ant0\_5809.5



SRD 80M\_Ant1\_5809.5

## 11.4. APPENDIX D: MAXIMUM CONDUCTED OUTPUT POWER

### 11.4.1. Test Result

Mode	Freq(MHz)	Average Conducted Power (dBm)			FCC Limit (dBm)
		ANT0	ANT1	Total	
SRD 10M	5157	2.07	1.93	5.01	24
	5158	4.12	3.88	7.01	24
	5160	6.67	6.37	9.53	24
	5162	8.66	8.38	11.53	24
	5163	10.15	9.88	13.03	24
	5166	12.73	12.38	15.57	24
	5167	14.96	14.66	17.82	24
	5169	16.44	16.13	19.30	24
	5201	16.15	15.81	18.99	24
	5245	15.54	15.18	18.37	24
	5730.5	25.87	25.43	28.67	30
	5787.5	25.33	25.29	28.32	30
	5844.5	25.26	25.48	28.38	30
SRD 20M	5161	4.96	4.58	7.78	24
	5162	6.86	6.49	9.69	24
	5167	12.03	10.41	14.31	24
	5169	13.42	11.81	15.70	24
	5171	16.72	15.22	19.04	24
	5201	16.42	14.95	18.76	24
	5240	16.29	14.86	18.64	24
	5735.5	26.85	25.34	29.17	30
	5787.5	26.31	25.67	29.01	30
	5839.5	26.38	25.60	29.02	30
SRD 40M	5170	7.57	6.47	10.07	24
	5171	9.62	8.59	12.15	24
	5173	11.31	10.97	14.15	24
	5177	13.40	13.02	16.22	24
	5187	15.74	15.40	18.58	24
	5200	15.83	15.48	18.67	24
	5230	15.81	15.47	18.65	24
	5745.5	22.21	22.79	25.52	30
	5787.5	24.21	24.02	27.13	30
	5829.5	22.94	23.02	25.99	30
SRD 60M	5180	8.78	8.47	11.64	24
	5182	10.31	9.88	13.11	24

	5186	11.75	11.34	14.56	24
	5191	13.55	13.21	16.39	24
	5195	15.54	15.19	18.38	24
	5200	16.04	15.69	18.88	24
	5220	15.49	15.65	18.58	24
	5755.5	22.86	23.00	25.94	30
	5787.5	23.00	22.81	25.92	30
	5819.5	22.72	22.96	25.85	30
SRD 80M	5190	10.50	10.18	13.35	24
	5192	12.07	11.67	14.88	24
	5195	13.47	13.04	16.27	24
	5200	14.89	14.53	17.72	24
	5210	15.70	15.57	18.65	24
	5765.5	22.57	23.04	25.82	30
	5787.5	22.76	22.95	25.87	30
	5809.5	22.55	23.15	25.87	30

Mode	Freq(MHz)	Average Conducted Power (dBm)			FCC Limit (dBm)
		ANT0	ANT3	Total	
SRD 10M	5157	1.69	1.34	4.53	24
	5158	3.42	3.51	6.48	24
	5160	6.27	5.77	9.04	24
	5162	8.23	7.85	11.05	24
	5163	9.66	9.41	12.55	24
	5166	12.16	11.84	15.01	24
	5167	14.61	14.01	17.33	24
	5169	15.94	15.57	18.77	24
	5201	15.45	15.33	18.40	24
	5245	15.08	14.70	17.90	24
	5730.5	25.49	24.83	28.18	30
	5787.5	24.98	24.70	27.85	30
	5844.5	24.87	25.17	28.03	30
SRD 20M	5161	4.60	3.92	7.28	24
	5162	6.20	6.18	9.20	24
	5167	11.56	9.74	13.75	24
	5169	13.06	11.37	15.31	24
	5171	16.18	14.63	18.48	24
	5201	16.04	14.40	18.31	24
	5240	15.96	14.28	18.21	24
	5735.5	26.15	24.91	28.58	30

	5787.5	25.78	25.15	28.49	30
	5839.5	25.89	25.06	28.51	30
SRD 40M	5170	6.88	5.80	9.38	24
	5171	9.08	8.00	11.58	24
	5173	10.82	10.65	13.75	24
	5177	12.85	12.68	15.78	24
	5187	15.24	14.87	18.07	24
	5200	15.34	15.01	18.19	24
	5230	15.25	14.84	18.06	24
	5745.5	21.91	22.33	25.14	30
	5787.5	23.82	23.66	26.75	30
	5829.5	22.56	22.69	25.64	30
SRD 60M	5180	8.37	7.84	11.12	24
	5182	9.65	9.27	12.47	24
	5186	11.19	10.87	14.04	24
	5191	13.12	12.63	15.89	24
	5195	15.14	14.51	17.85	24
	5200	15.43	15.34	18.40	24
	5220	15.11	15.01	18.07	24
	5755.5	22.21	22.53	25.38	30
	5787.5	22.44	22.39	25.43	30
	5819.5	22.32	22.26	25.30	30
SRD 80M	5190	9.86	9.58	12.73	24
	5192	11.59	11.00	14.32	24
	5195	12.93	12.47	15.72	24
	5200	14.50	13.91	17.23	24
	5210	15.25	14.87	18.07	24
	5765.5	22.18	22.58	25.39	30
	5787.5	22.31	22.64	25.49	30
	5809.5	22.23	22.64	25.45	30

Mode	Freq(MHz)	Average Conducted Power (dBm)			FCC Limit (dBm)
		Ant1	Ant2	Total	
SRD 10M	5157	1.69	1.38	4.55	24
	5158	3.59	3.57	6.59	24
	5160	6.20	5.82	9.02	24
	5162	8.12	7.76	10.95	24
	5163	9.47	9.38	12.44	24
	5166	12.11	11.70	14.92	24
	5167	14.33	14.03	17.19	24

	5169	15.74	15.64	18.70	24
	5201	15.73	15.41	18.58	24
	5245	15.10	14.52	17.83	24
	5730.5	25.39	25.03	28.22	30
	5787.5	24.75	24.69	27.73	30
	5844.5	24.89	24.80	27.86	30
SRD 20M	5161	4.35	4.00	7.19	24
	5162	6.33	6.08	9.22	24
	5167	11.33	9.84	13.66	24
	5169	12.72	11.39	15.12	24
	5171	16.19	14.53	18.45	24
	5201	15.90	14.28	18.18	24
	5240	15.72	14.31	18.08	24
	5735.5	26.23	24.73	28.55	30
	5787.5	25.97	25.21	28.62	30
	5839.5	25.93	25.10	28.55	30
SRD 40M	5170	6.90	6.16	9.56	24
	5171	8.92	8.02	11.50	24
	5173	10.79	10.66	13.74	24
	5177	12.98	12.61	15.81	24
	5187	15.26	14.78	18.04	24
	5200	15.40	15.05	18.24	24
	5230	15.12	14.97	18.06	24
	5745.5	21.84	22.16	25.01	30
	5787.5	23.80	23.60	26.71	30
	5829.5	22.47	22.65	25.57	30
SRD 60M	5180	8.38	7.96	11.19	24
	5182	9.92	9.24	12.60	24
	5186	11.20	10.77	14.00	24
	5191	13.20	12.58	15.91	24
	5195	15.03	14.75	17.90	24
	5200	15.56	15.05	18.32	24
	5220	14.87	15.09	17.99	24
	5755.5	22.40	22.56	25.49	30
	5787.5	22.41	22.38	25.41	30
	5819.5	22.32	22.35	25.35	30
SRD 80M	5190	10.20	9.79	13.01	24
	5192	11.55	11.31	14.44	24
	5195	13.13	12.72	15.94	24
	5200	14.19	14.18	17.20	24

	5210	15.19	15.20	18.21	24
	5765.5	21.87	22.36	25.13	30
	5787.5	22.31	22.27	25.30	30
	5809.5	21.91	22.47	25.21	30

Mode	Freq(MHz)	Average Conducted Power (dBm)			FCC Limit (dBm)
		Ant2	Ant3	Total	
SRD 10M	5157	1.71	1.43	4.58	24
	5158	3.60	3.53	6.58	24
	5160	6.00	5.85	8.94	24
	5162	8.27	8.05	11.17	24
	5163	9.57	9.50	12.55	24
	5166	12.23	11.73	15.00	24
	5167	14.29	14.04	17.18	24
	5169	15.76	15.44	18.61	24
	5201	15.76	15.41	18.60	24
	5245	15.22	14.72	17.99	24
	5730.5	25.24	24.97	28.12	30
	5787.5	24.88	24.65	27.78	30
	5844.5	24.68	24.89	27.80	30
SRD 20M	5161	4.62	3.90	7.29	24
	5162	6.40	6.05	9.24	24
	5167	11.38	9.93	13.73	24
	5169	13.08	11.48	15.36	24
	5171	16.24	14.68	18.54	24
	5201	15.75	14.36	18.12	24
	5240	15.80	14.16	18.07	24
	5735.5	26.46	24.95	28.78	30
	5787.5	25.99	25.23	28.64	30
	5839.5	26.07	25.05	28.60	30
SRD 40M	5170	6.96	5.77	9.42	24
	5171	9.22	7.90	11.62	24
	5173	10.70	10.66	13.69	24
	5177	12.93	12.40	15.68	24
	5187	15.41	14.77	18.11	24
	5200	15.53	14.94	18.26	24
	5230	15.26	14.90	18.09	24
	5745.5	21.74	22.31	25.04	30
	5787.5	23.58	23.33	26.47	30
	5829.5	22.39	22.48	25.45	30

SRD 60M	5180	8.20	8.17	11.20	24
	5182	9.80	9.25	12.54	24
	5186	11.34	11.02	14.19	24
	5191	13.00	12.72	15.87	24
	5195	15.03	14.60	17.83	24
	5200	15.48	15.21	18.36	24
	5220	15.13	14.96	18.06	24
	5755.5	22.25	22.46	25.37	30
	5787.5	22.49	22.50	25.51	30
	5819.5	22.36	22.39	25.39	30
SRD 80M	5190	9.83	9.49	12.67	24
	5192	11.75	11.23	14.51	24
	5195	13.03	12.63	15.84	24
	5200	14.45	14.21	17.34	24
	5210	15.37	15.22	18.31	24
	5765.5	22.20	22.52	25.37	30
	5787.5	22.09	22.63	25.38	30
	5809.5	21.85	22.48	25.19	30

- Note: 1. Conducted Power=Meas. Level+ Correction Factor  
2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.

## 11.5. APPENDIX E: MAXIMUM POWER SPECTRAL DENSITY

### 11.5.1. Test Result

Test Mode	Antenna	Frequency[MHz]	Power [dBm/MHz]	Limit [dBm/MHz]	Verdict
SRD 10M	Ant0	5157	-6.65	≤11.00	PASS
	Ant1	5157	-6.60	≤11.00	PASS
	total	5157	-3.61	≤11.00	PASS
	Ant0	5158	-4.70	≤11.00	PASS
	Ant1	5158	-5.00	≤11.00	PASS
	total	5158	-1.84	≤11.00	PASS
	Ant0	5160	-2.09	≤11.00	PASS
	Ant1	5160	-2.34	≤11.00	PASS
	total	5160	0.80	≤11.00	PASS
	Ant0	5162	-0.05	≤11.00	PASS
	Ant1	5162	-0.27	≤11.00	PASS
	total	5162	2.85	≤11.00	PASS
	Ant0	5163	1.35	≤11.00	PASS
	Ant1	5163	1.08	≤11.00	PASS
	total	5163	4.23	≤11.00	PASS
	Ant0	5166	3.87	≤11.00	PASS
	Ant1	5166	3.49	≤11.00	PASS
	total	5166	6.69	≤11.00	PASS
	Ant0	5167	6.47	≤11.00	PASS
	Ant1	5167	5.72	≤11.00	PASS
	total	5167	9.12	≤11.00	PASS
	Ant0	5169	7.93	≤11.00	PASS
	Ant1	5169	7.20	≤11.00	PASS
	total	5169	10.59	≤11.00	PASS
	Ant0	5201	7.51	≤11.00	PASS
	Ant1	5201	6.94	≤11.00	PASS
	total	5201	10.24	≤11.00	PASS
	Ant0	5245	6.80	≤11.00	PASS
	Ant1	5245	6.40	≤11.00	PASS
	total	5245	9.61	≤11.00	PASS
	Ant0	5730.5	14.01	≤30.00	PASS
	Ant1	5730.5	13.80	≤30.00	PASS
	total	5730.5	16.92	≤30.00	PASS
Ant0	5787.5	13.49	≤30.00	PASS	
Ant1	5787.5	13.68	≤30.00	PASS	
total	5787.5	16.60	≤30.00	PASS	
Ant0	5844.5	13.59	≤30.00	PASS	
Ant1	5844.5	13.71	≤30.00	PASS	
total	5844.5	16.66	≤30.00	PASS	
SRD 20M	Ant0	5161	-6.36	≤11.00	PASS
	Ant1	5161	-7.01	≤11.00	PASS
	total	5161	-3.66	≤11.00	PASS
	Ant0	5162	-4.72	≤11.00	PASS
	Ant1	5162	-4.83	≤11.00	PASS
	total	5162	-1.76	≤11.00	PASS
	Ant0	5167	0.42	≤11.00	PASS
	Ant1	5167	-0.87	≤11.00	PASS
	total	5167	2.83	≤11.00	PASS
	Ant0	5169	1.81	≤11.00	PASS
	Ant1	5169	0.31	≤11.00	PASS
	total	5169	4.13	≤11.00	PASS
	Ant0	5171	4.98	≤11.00	PASS
	Ant1	5171	3.70	≤11.00	PASS
	total	5171	7.40	≤11.00	PASS
Ant0	5201	4.78	≤11.00	PASS	