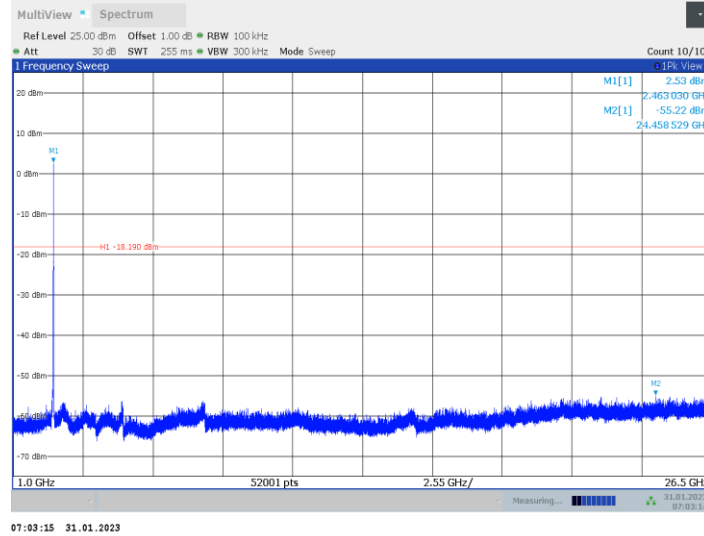


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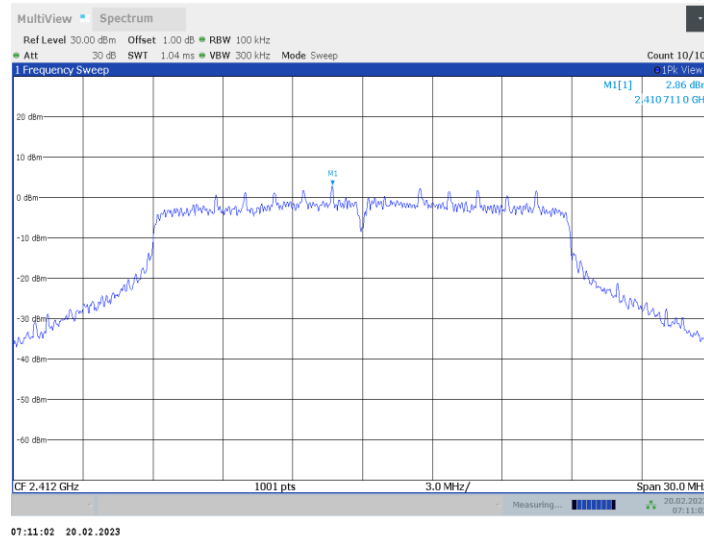
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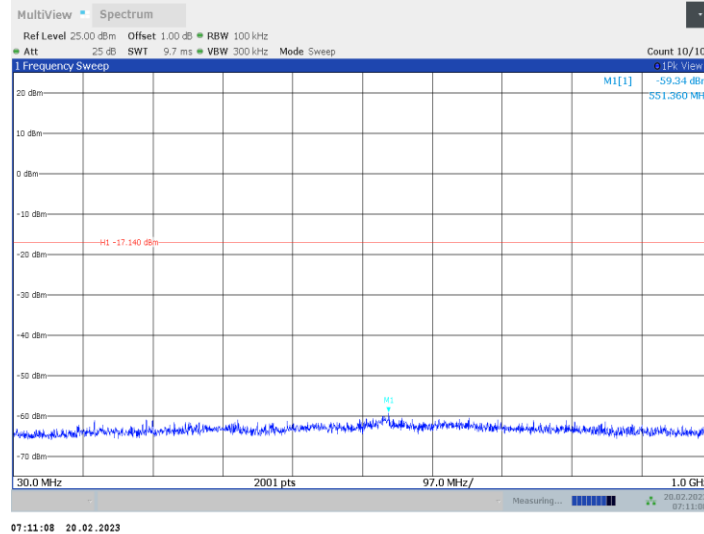
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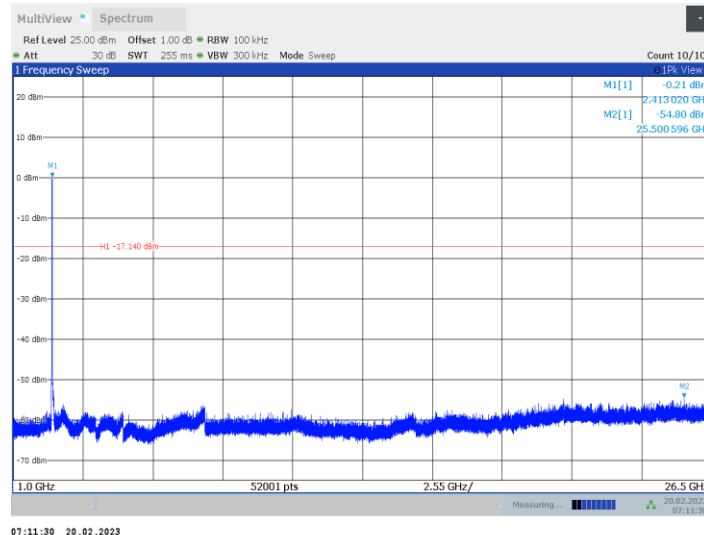
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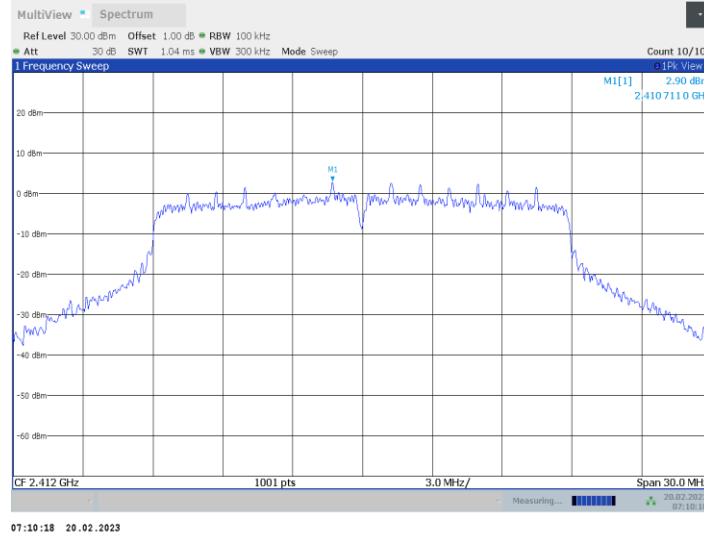
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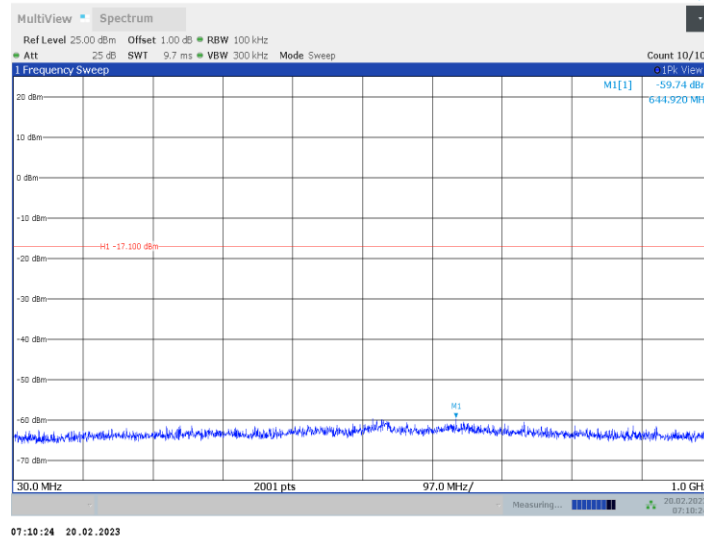
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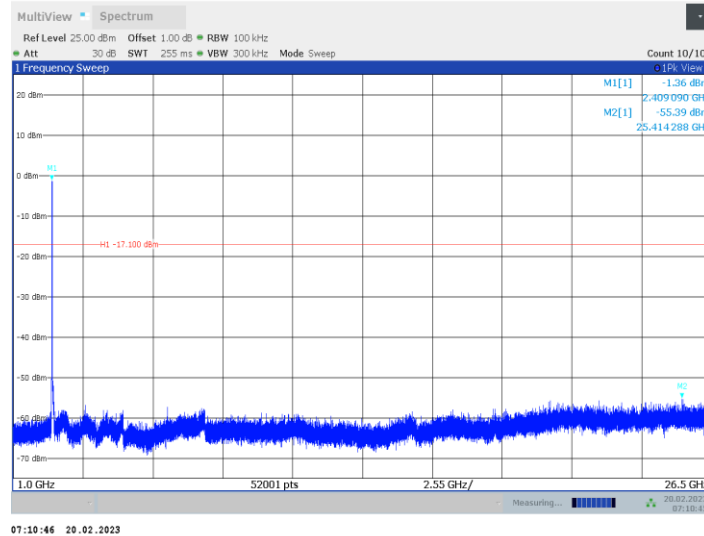
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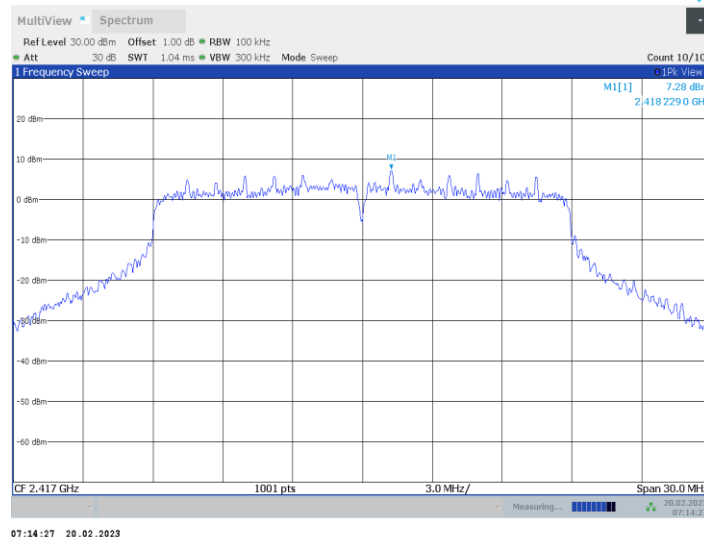
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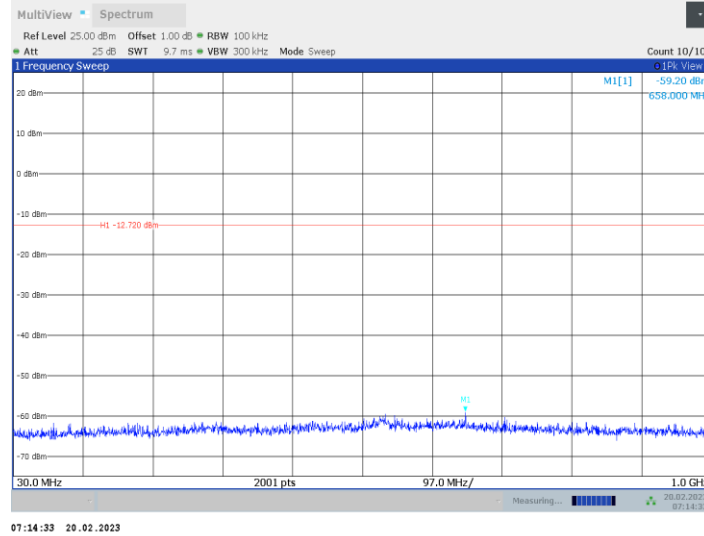
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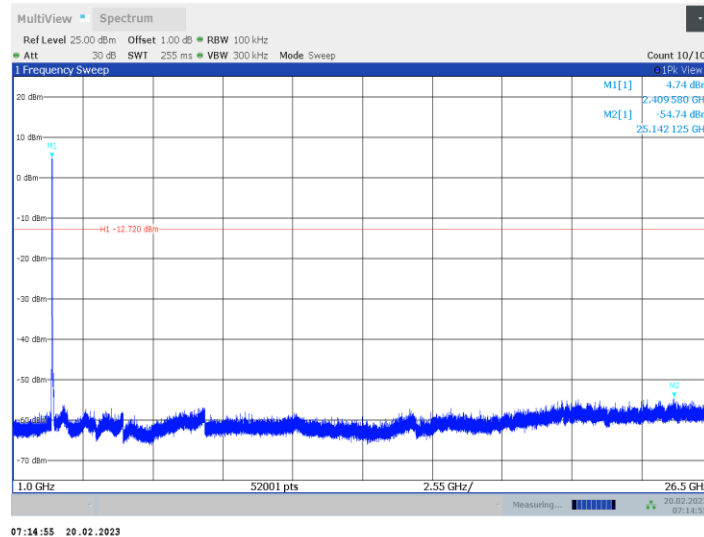
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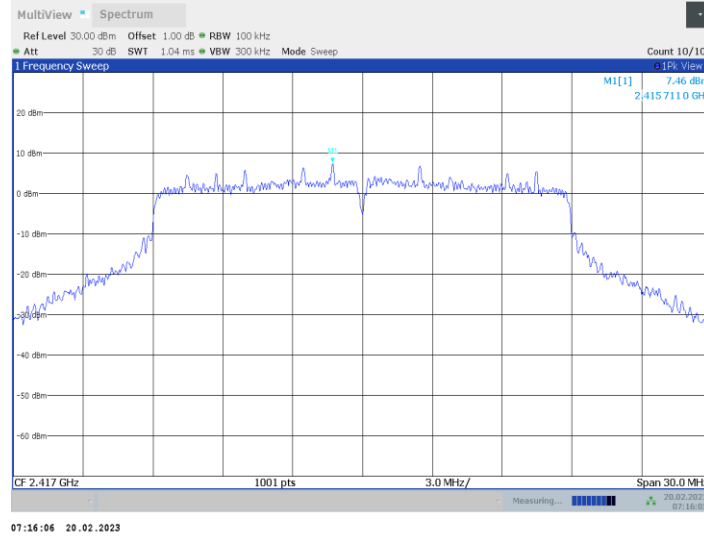
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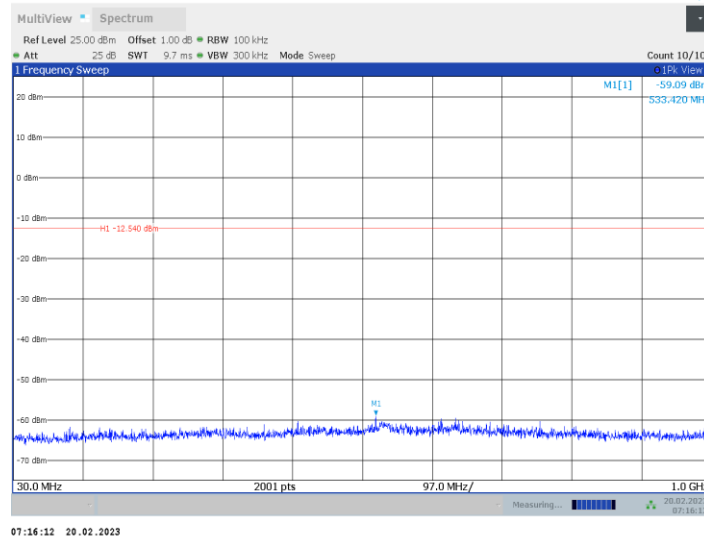
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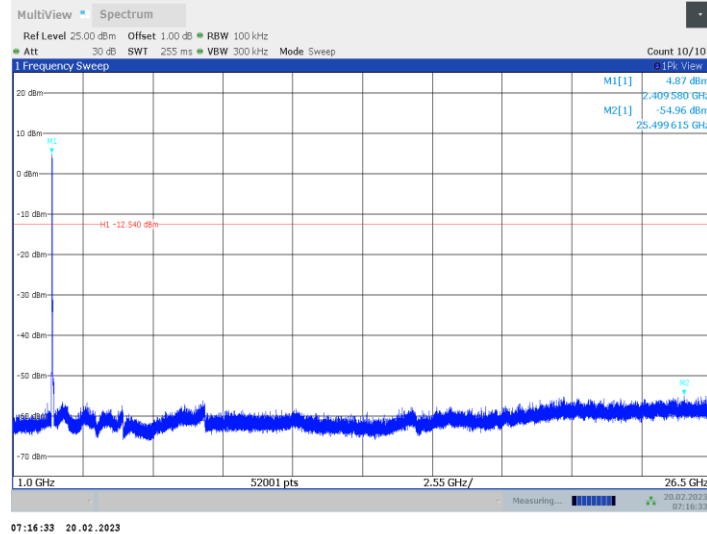
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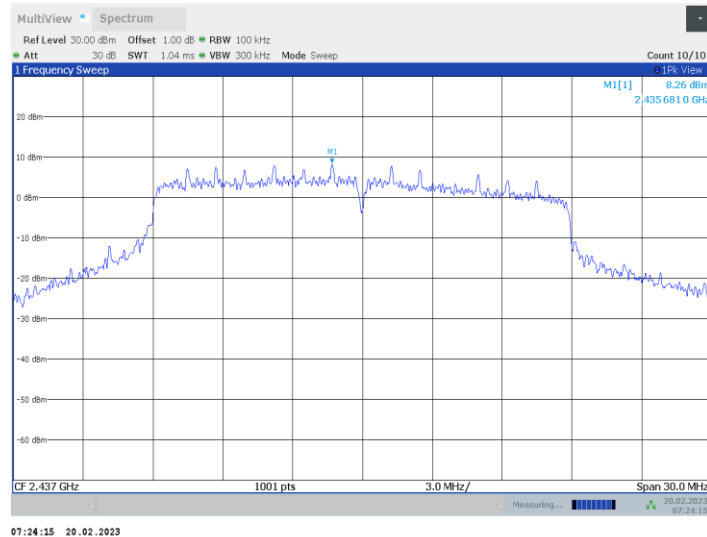
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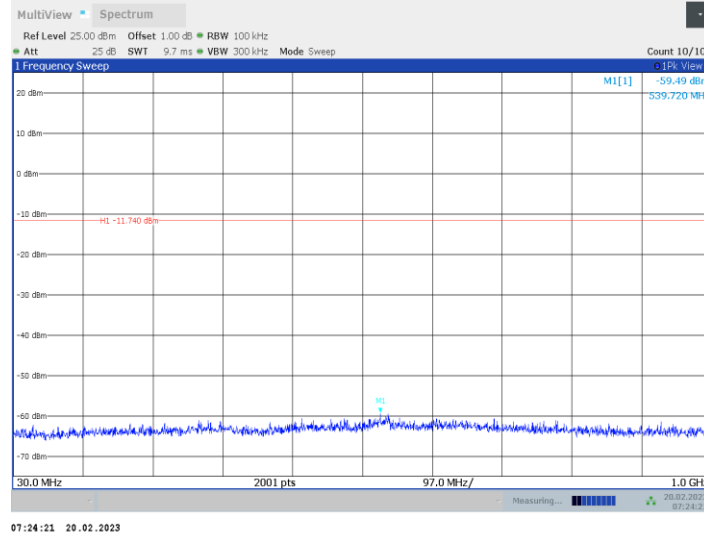
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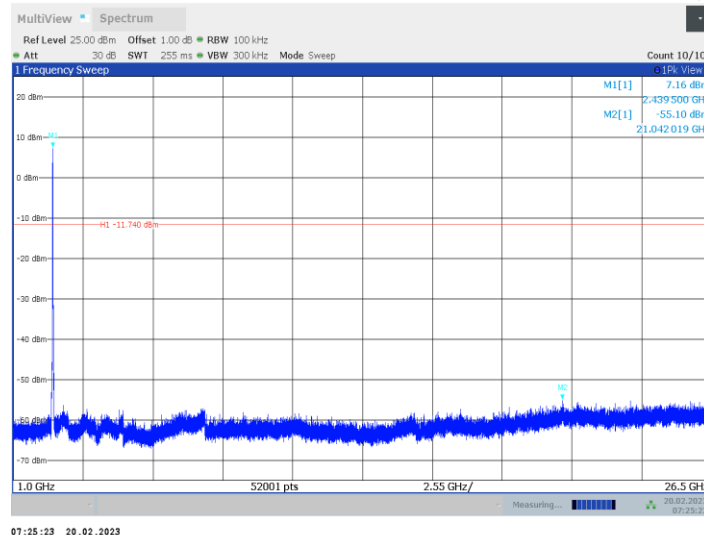
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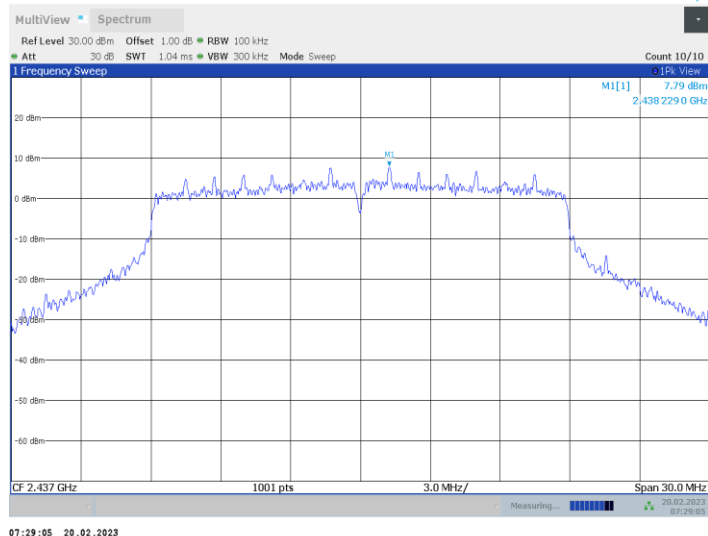
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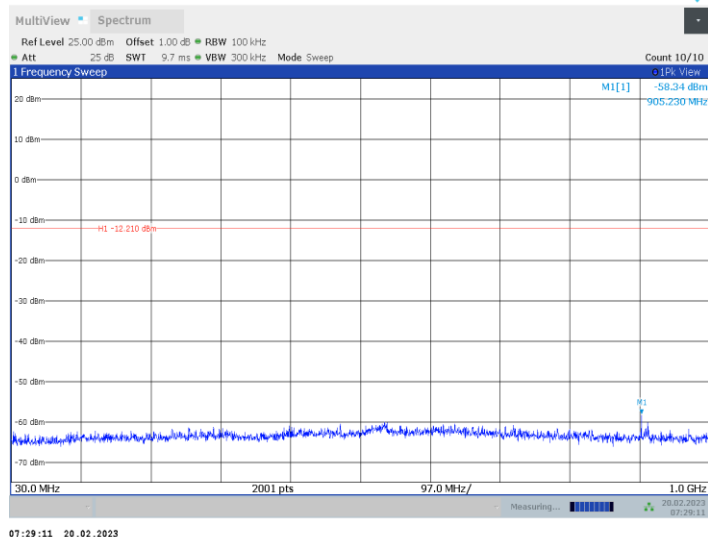
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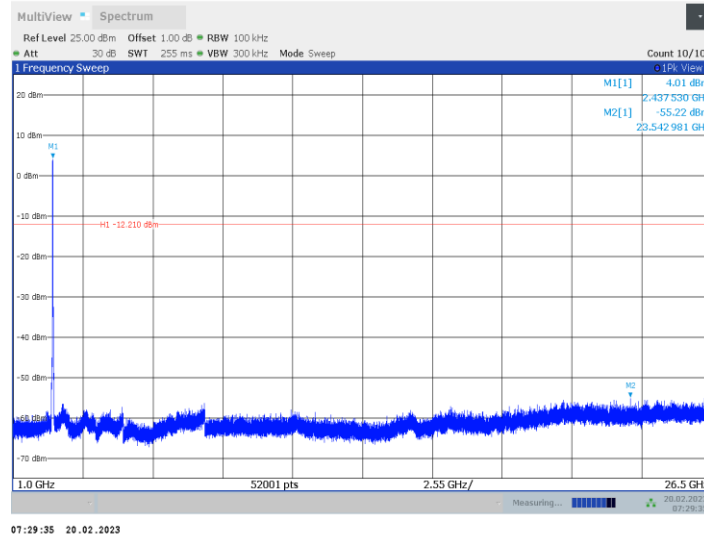
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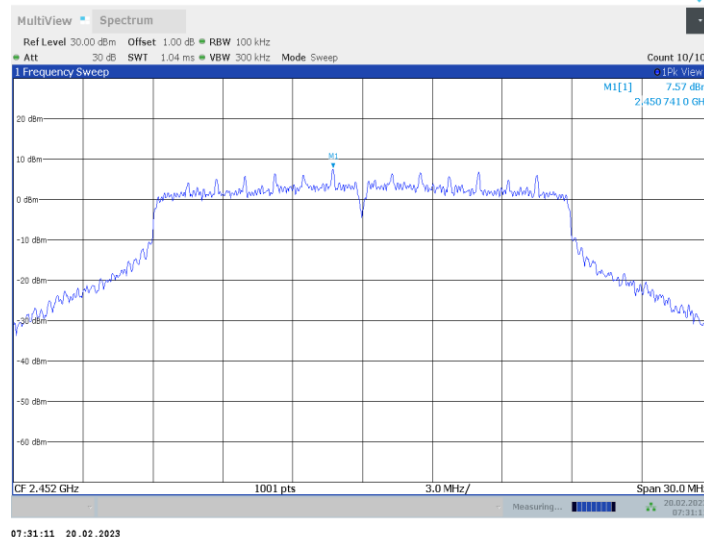
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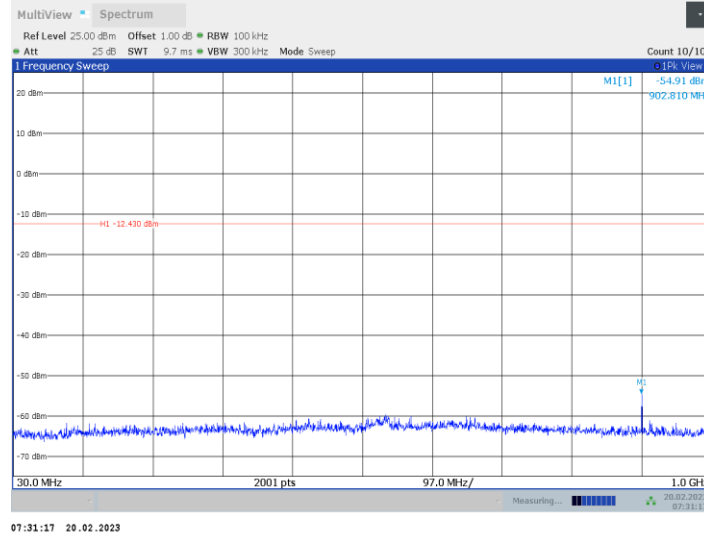
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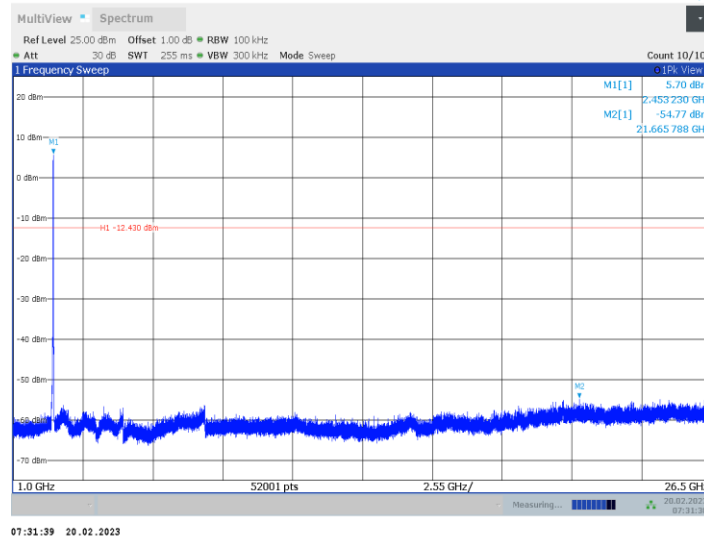
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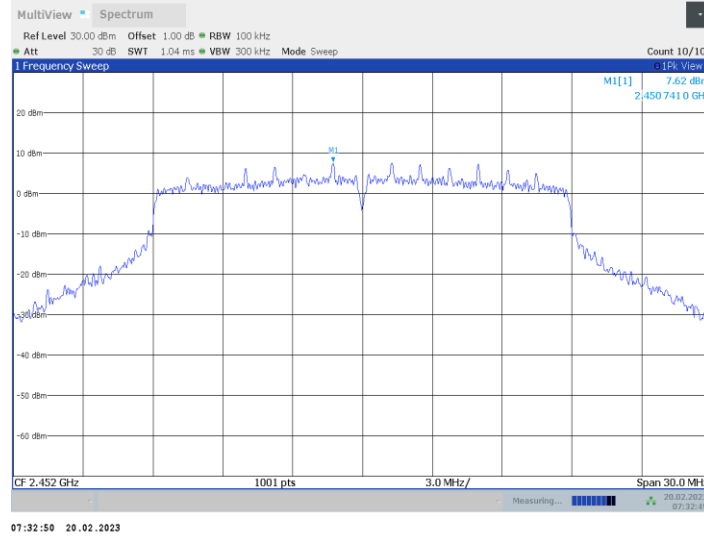
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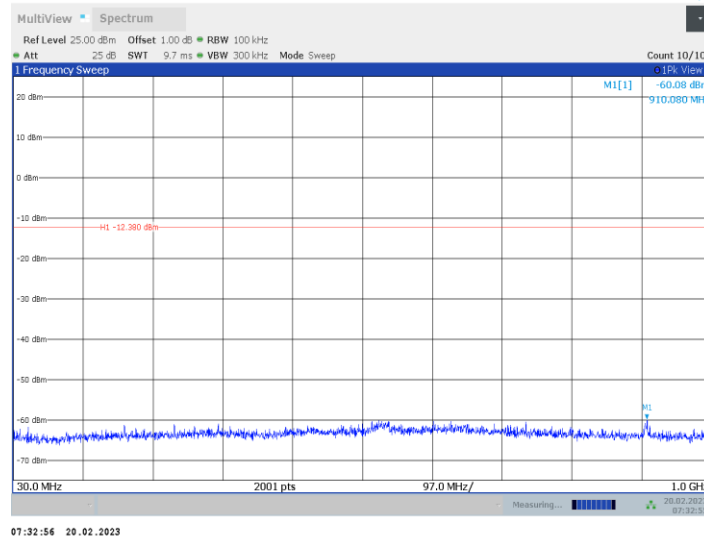
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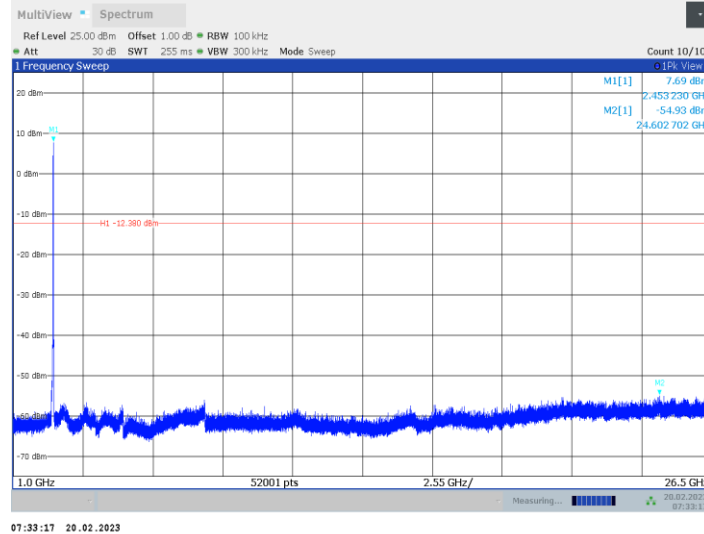
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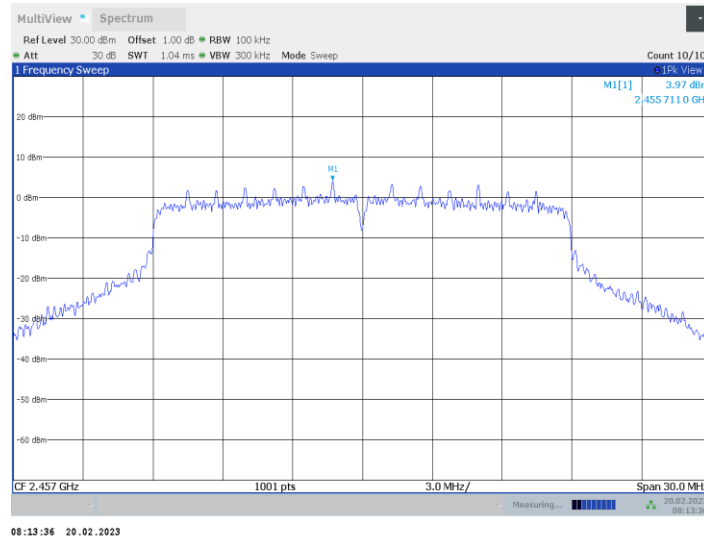
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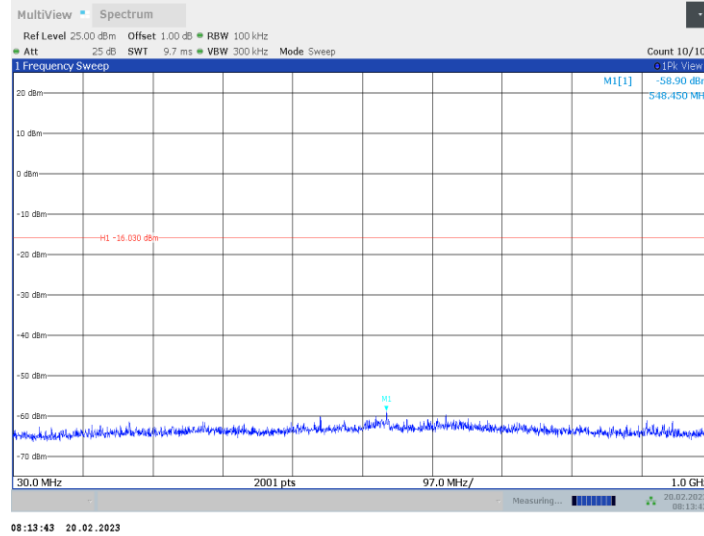
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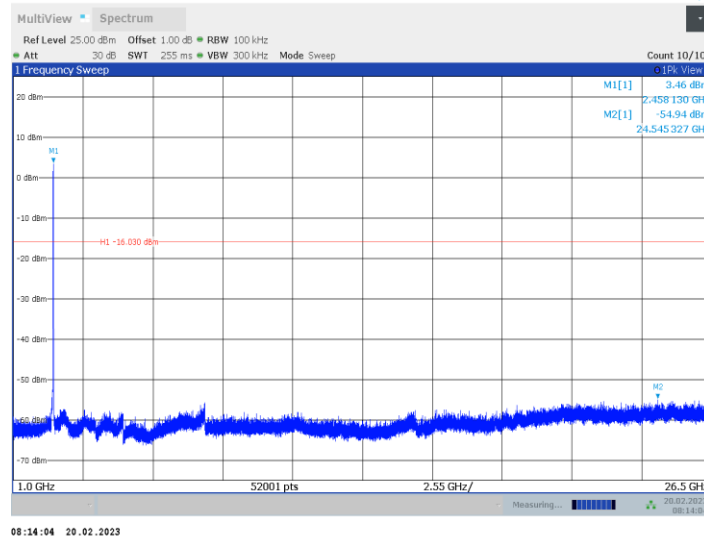
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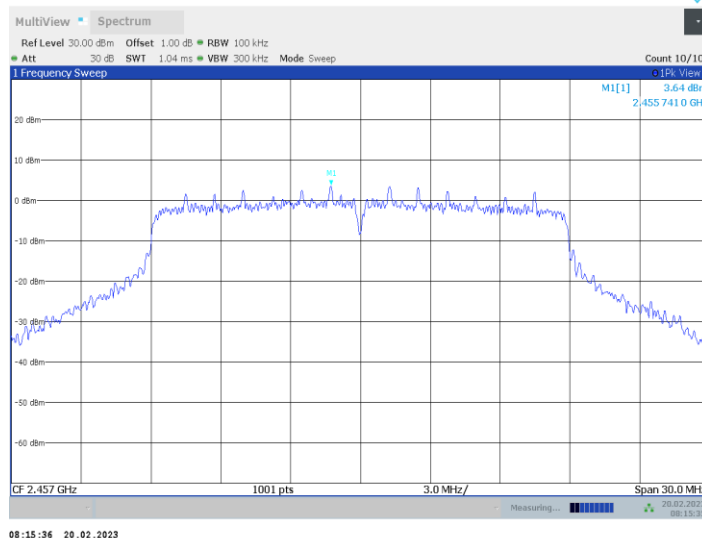
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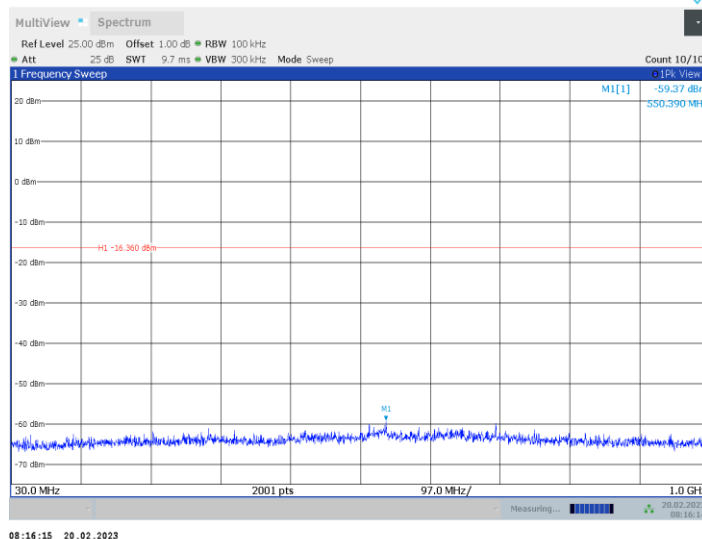
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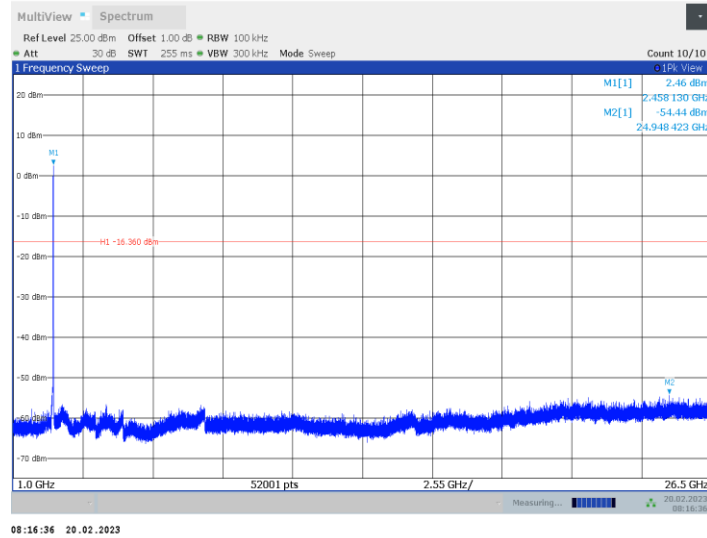
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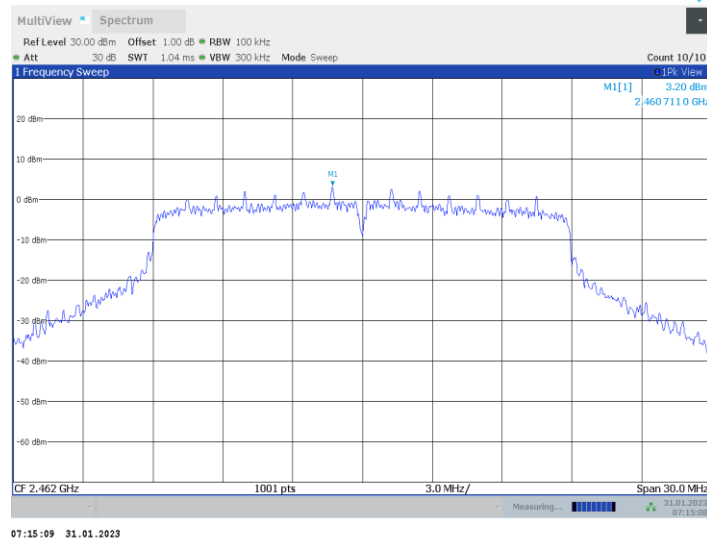
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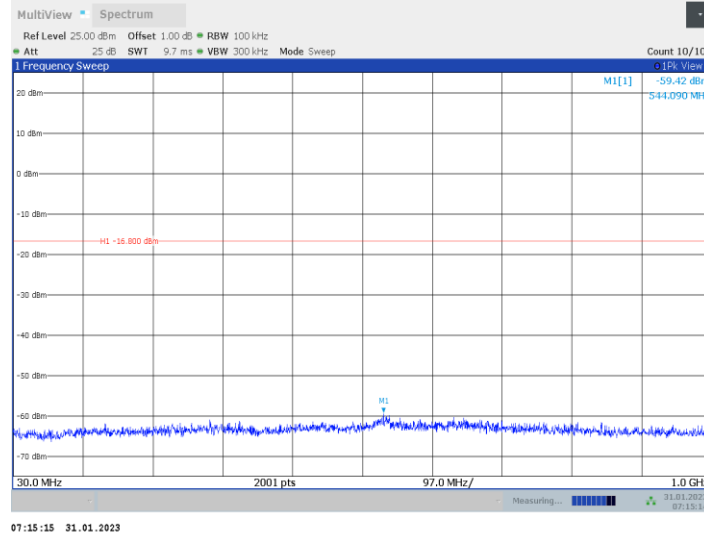
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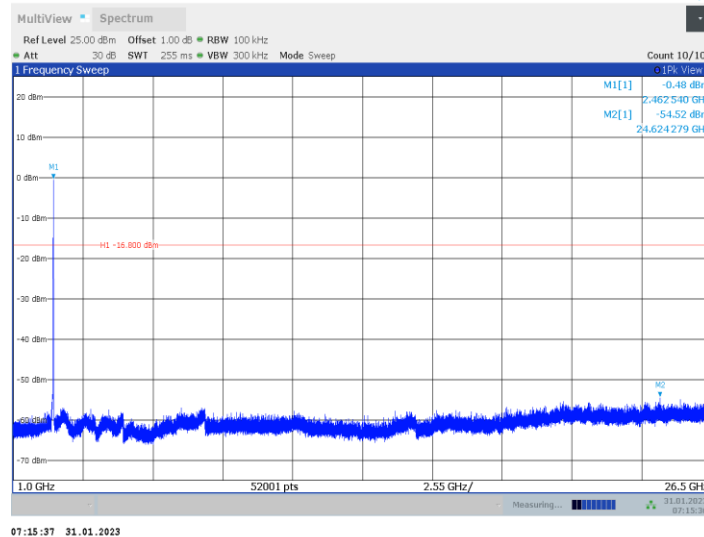
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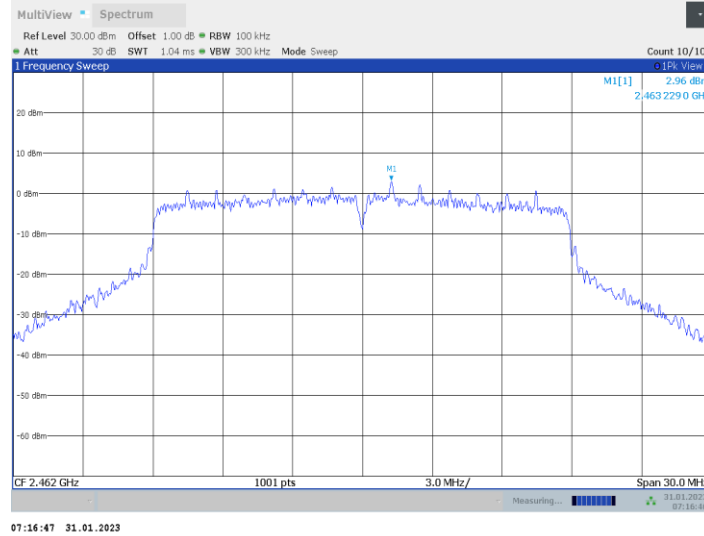
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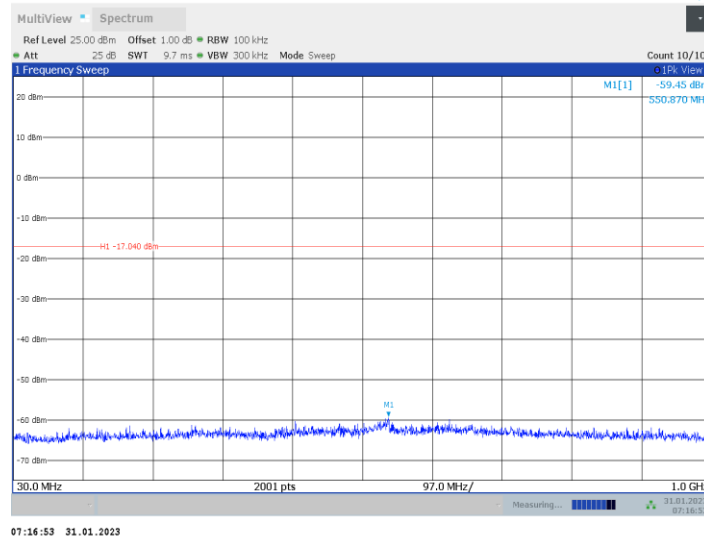
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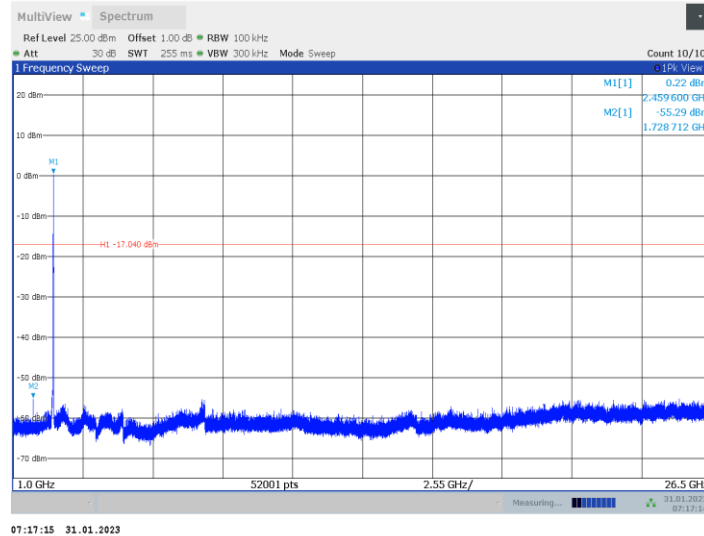
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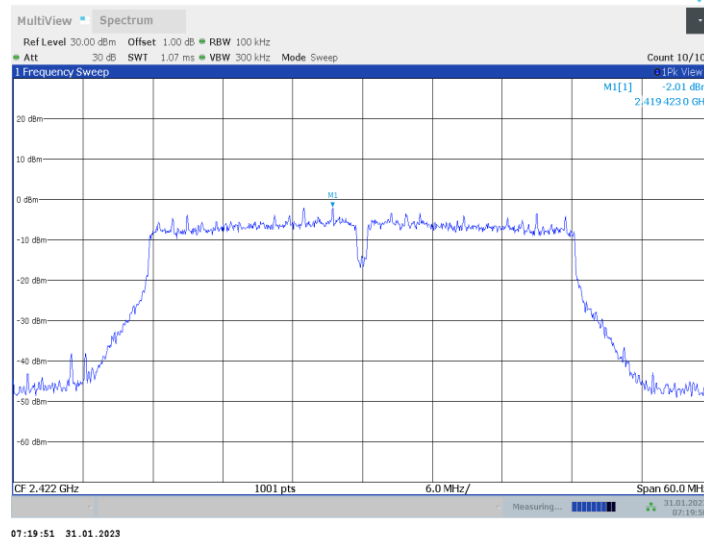
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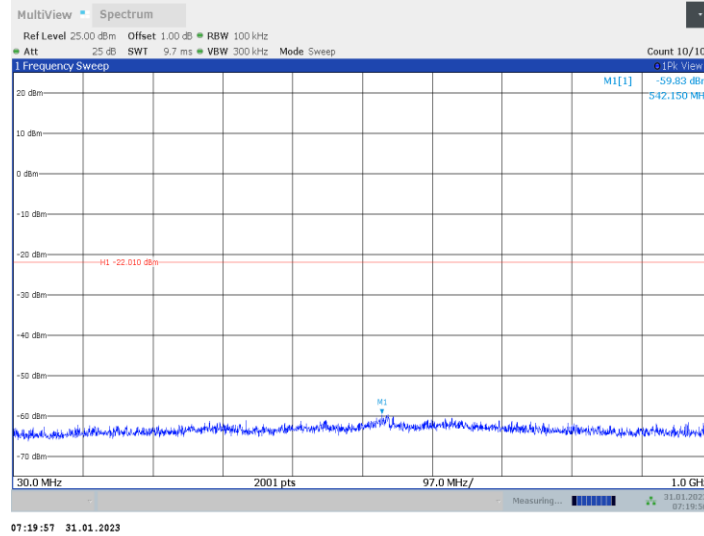
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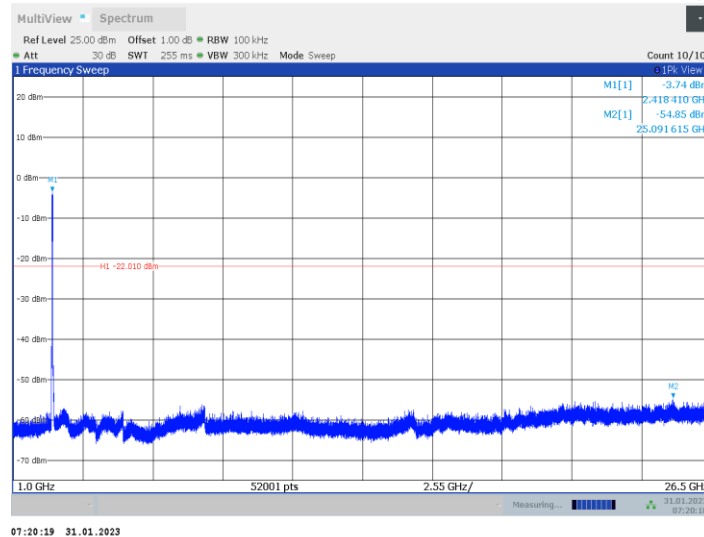
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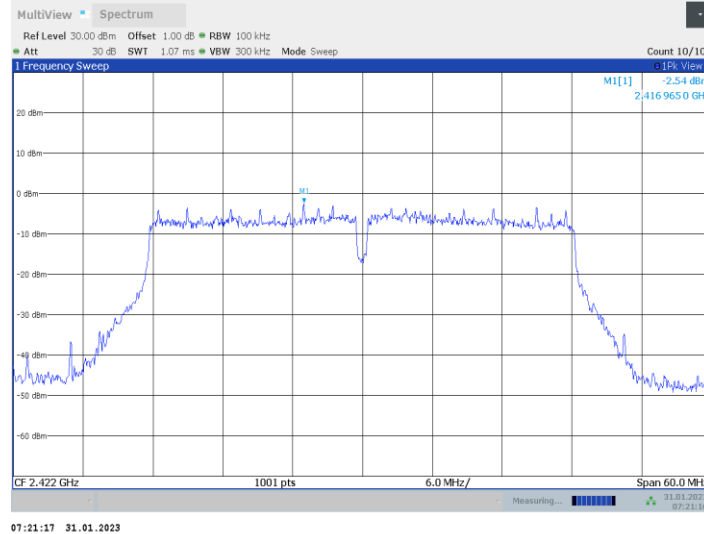
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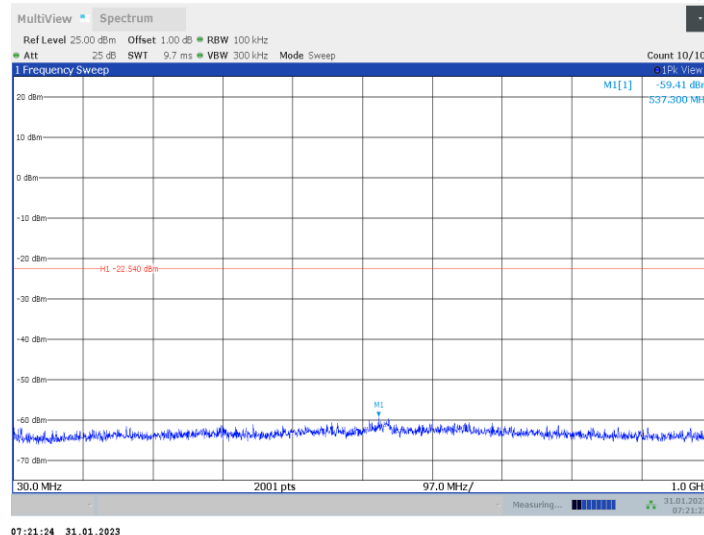
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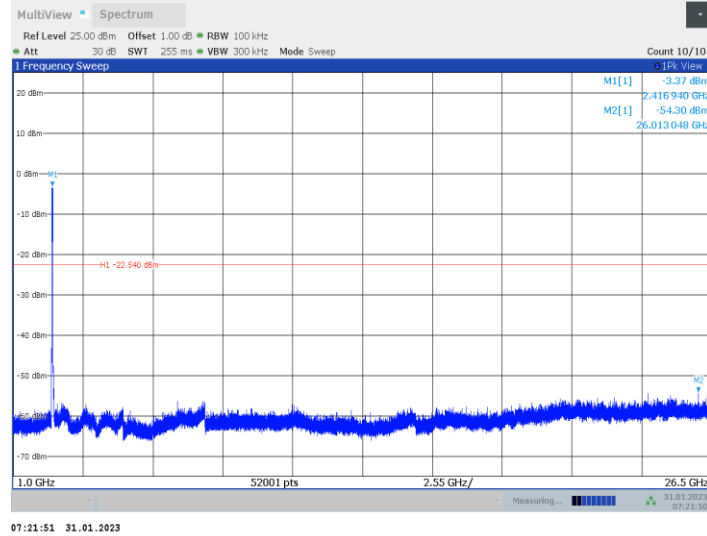
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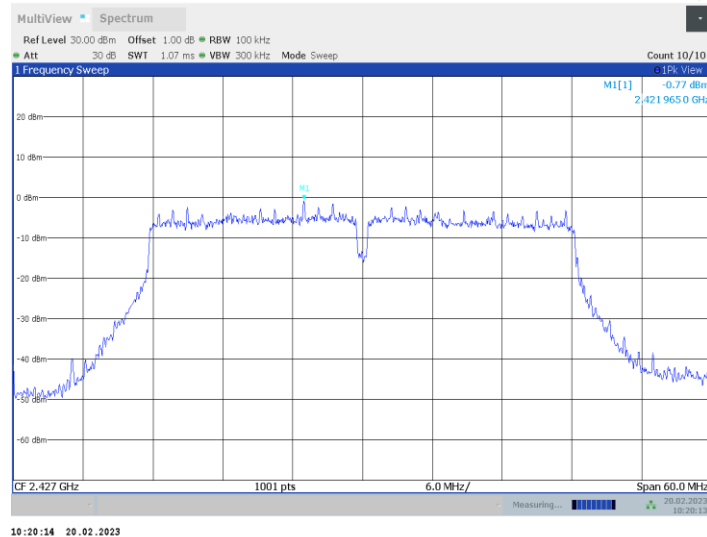
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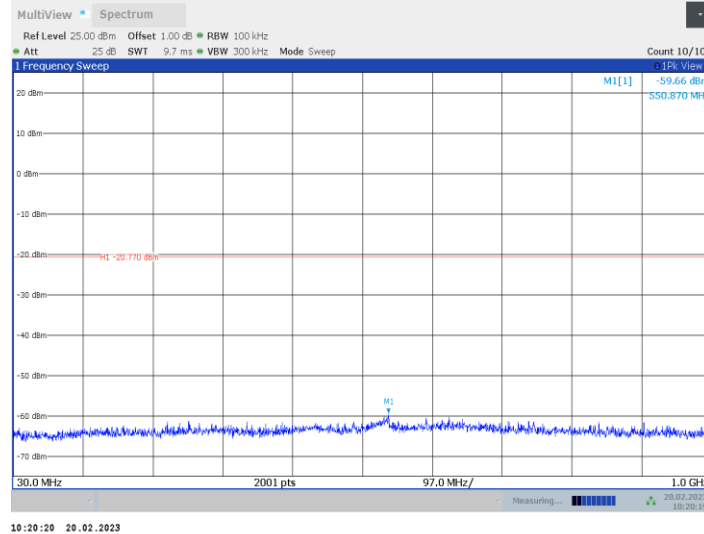
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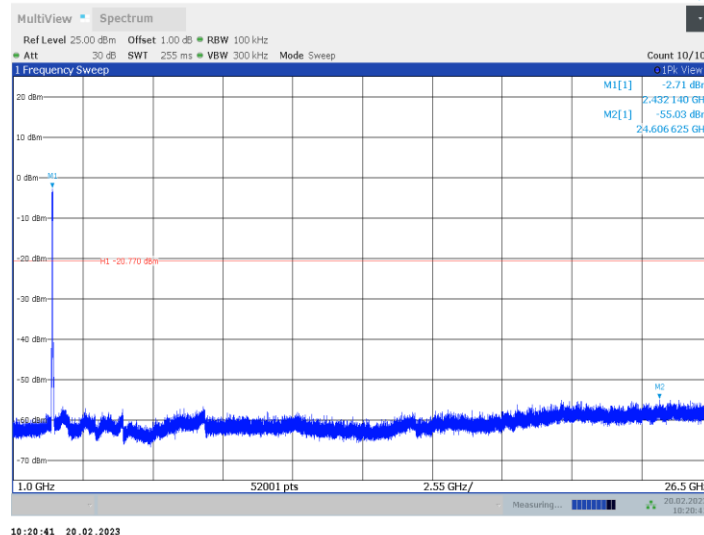
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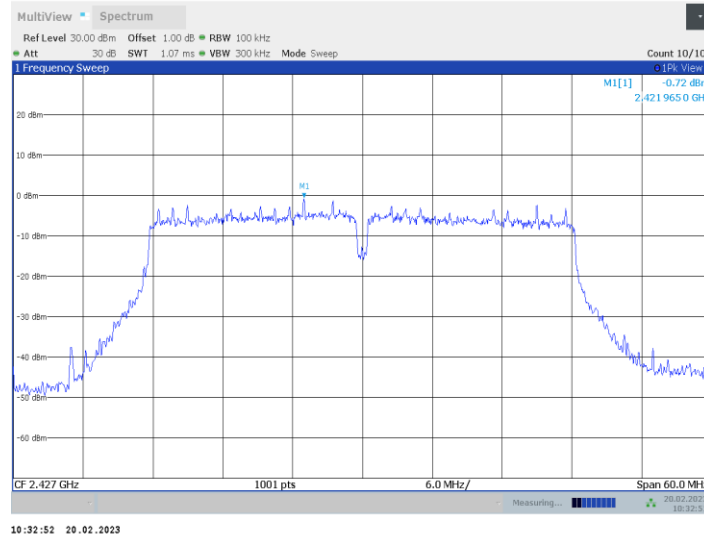
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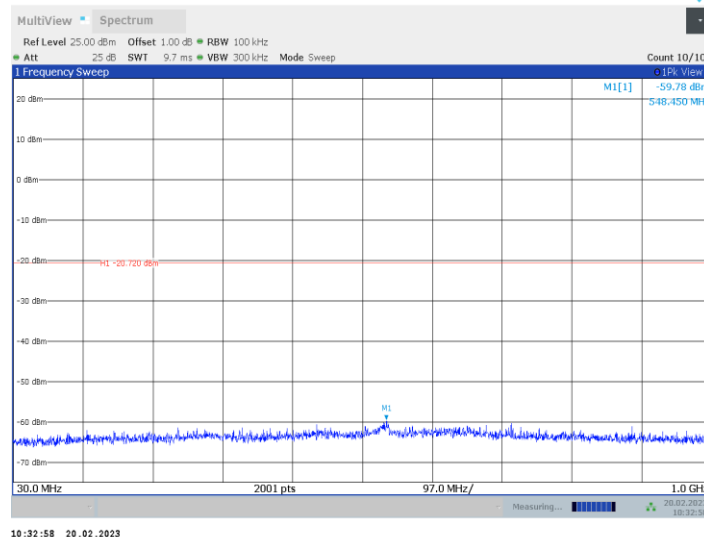
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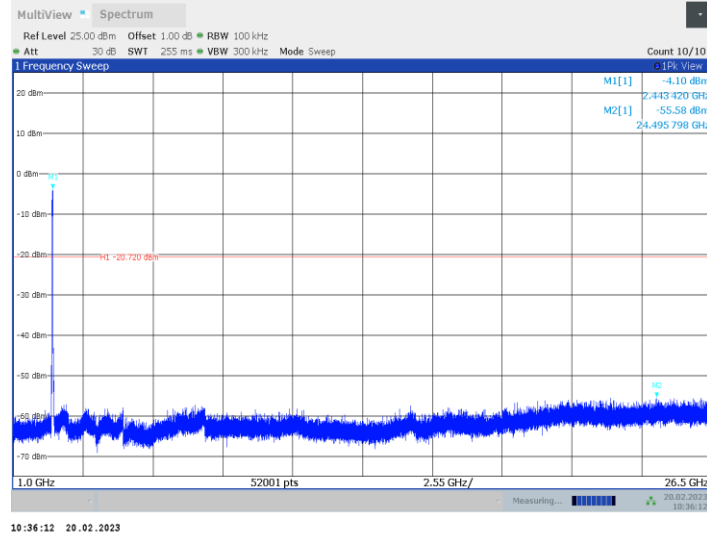
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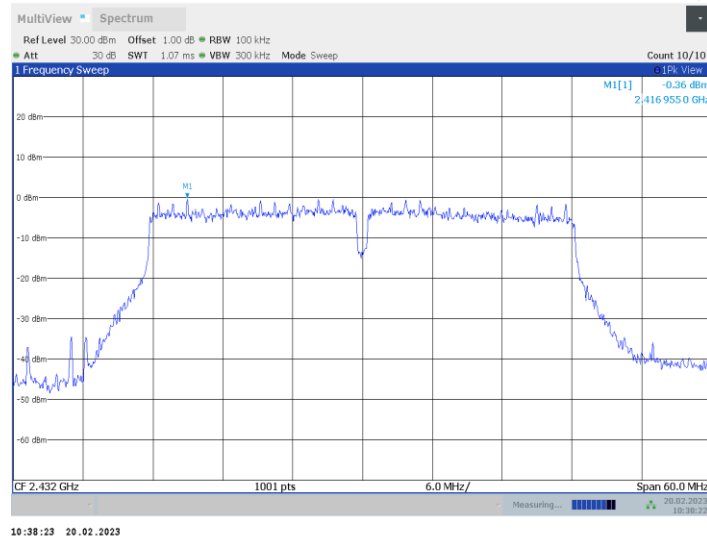
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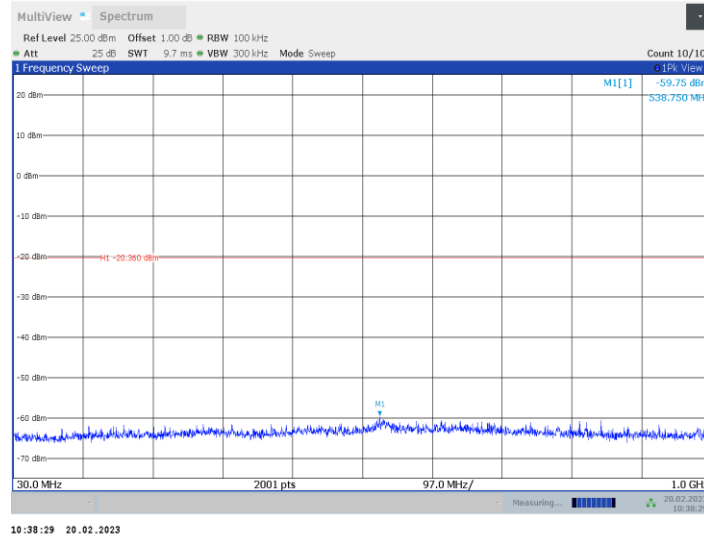
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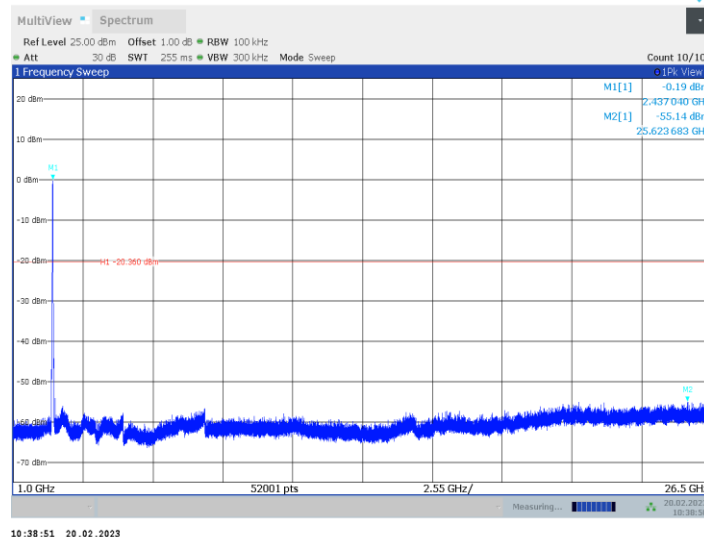
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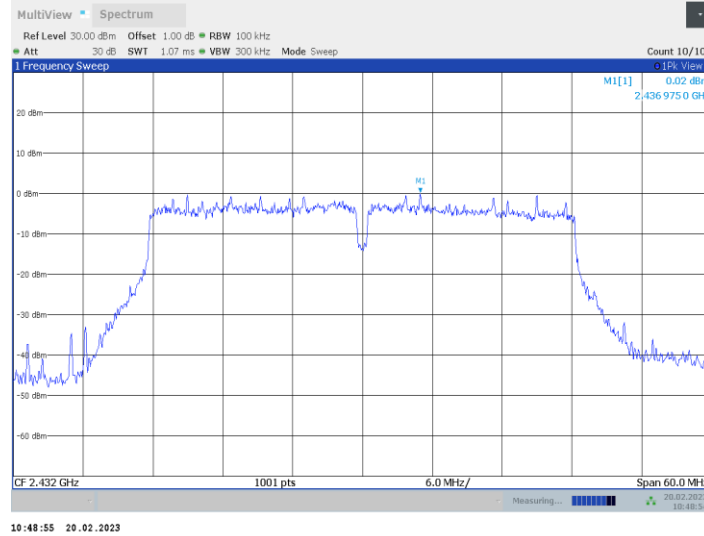
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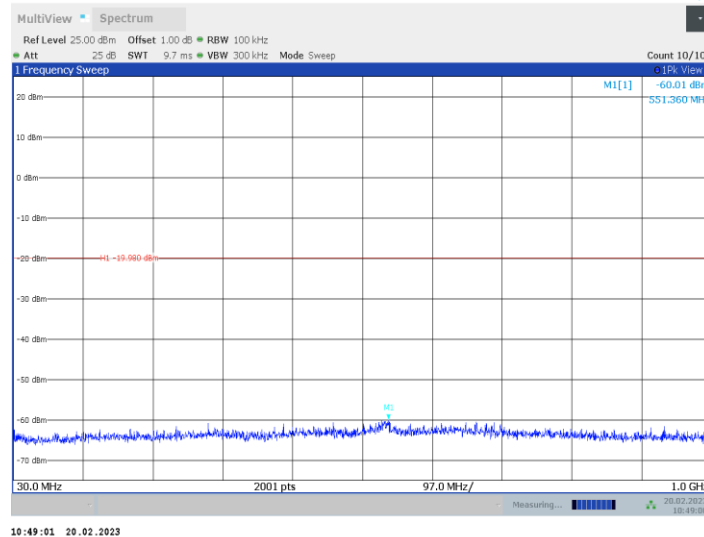
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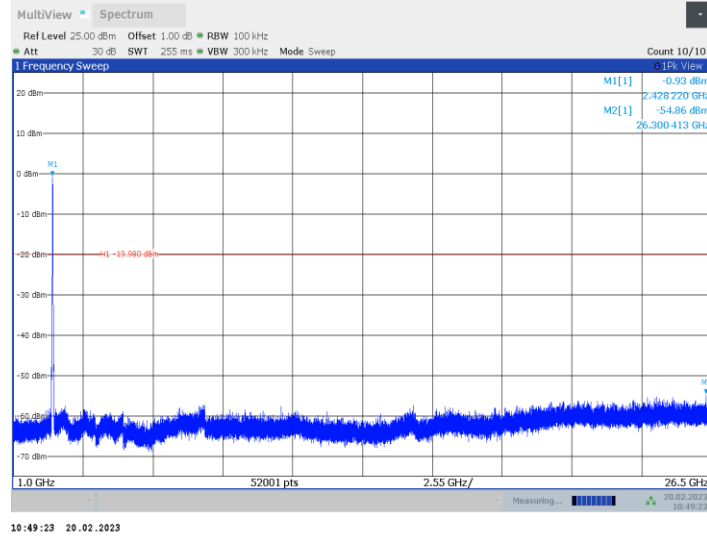
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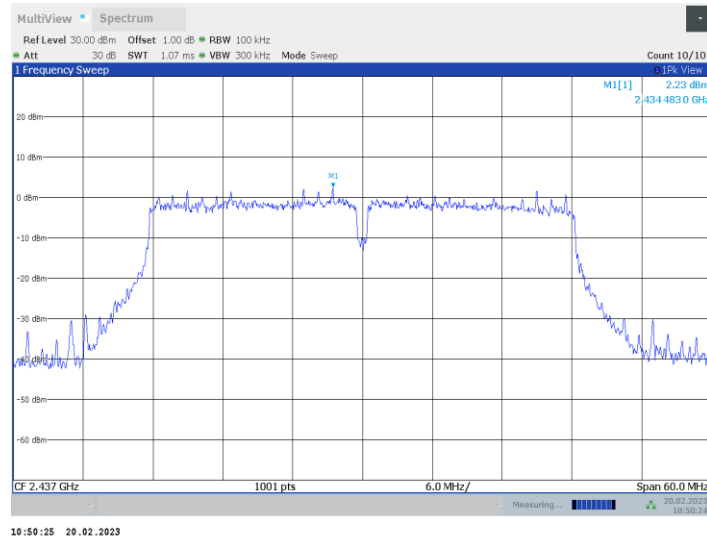
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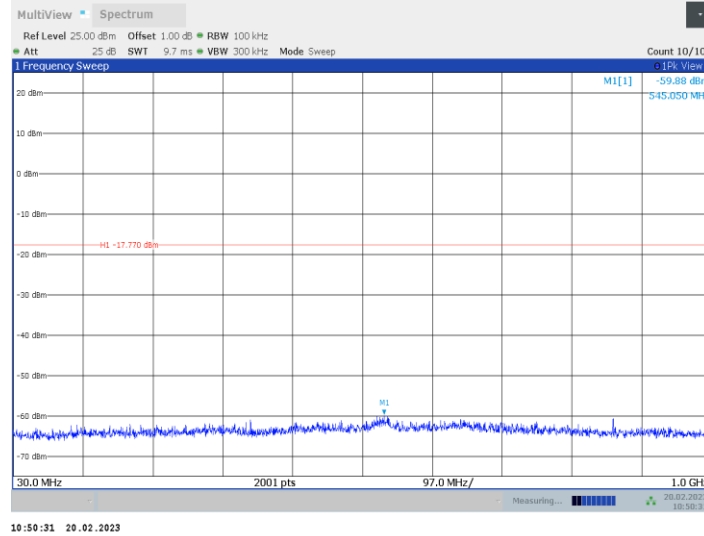
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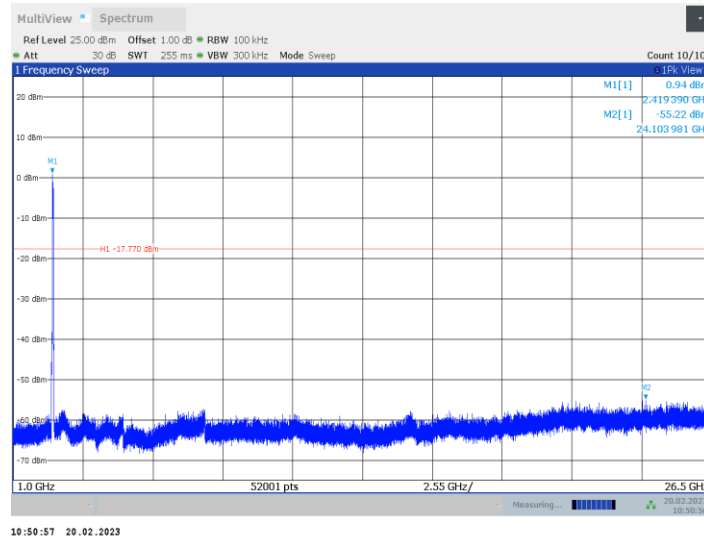
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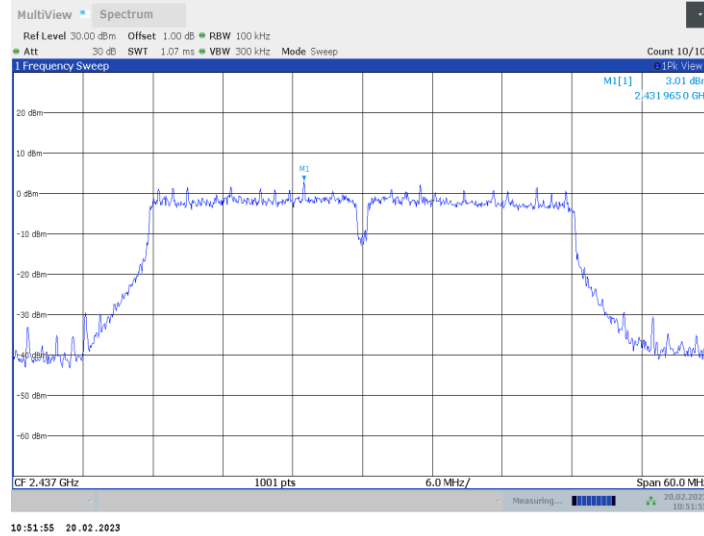
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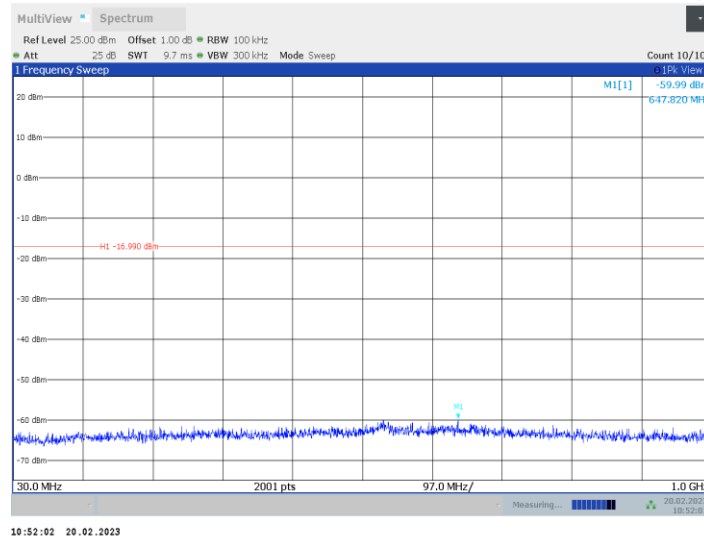
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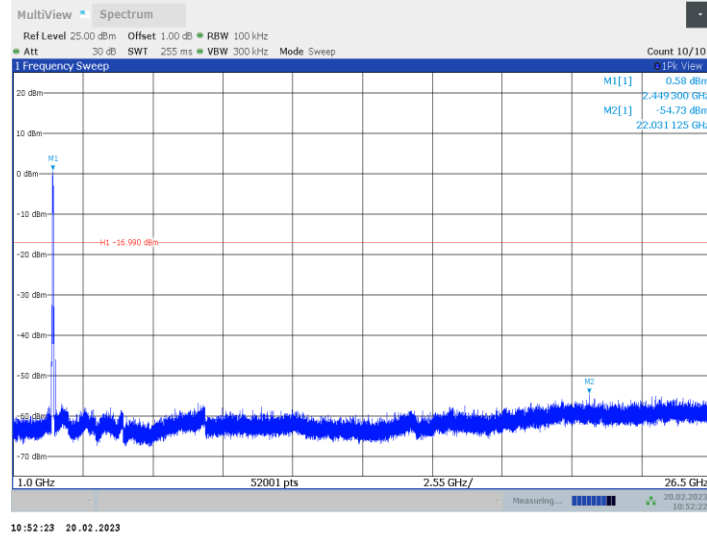
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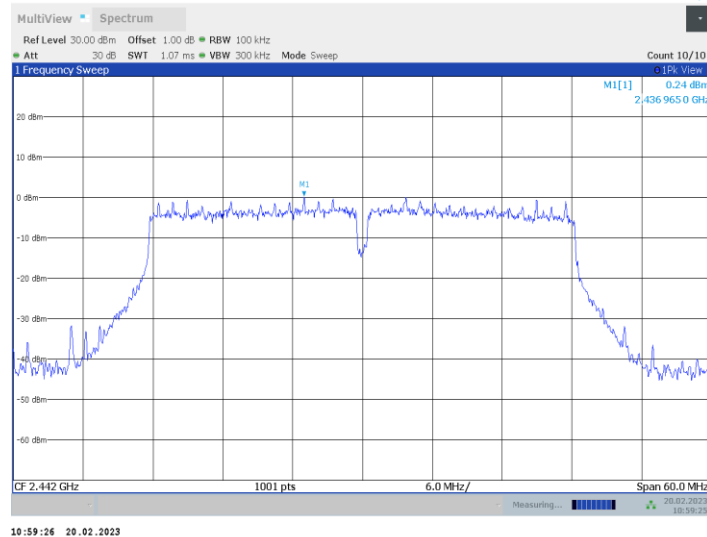
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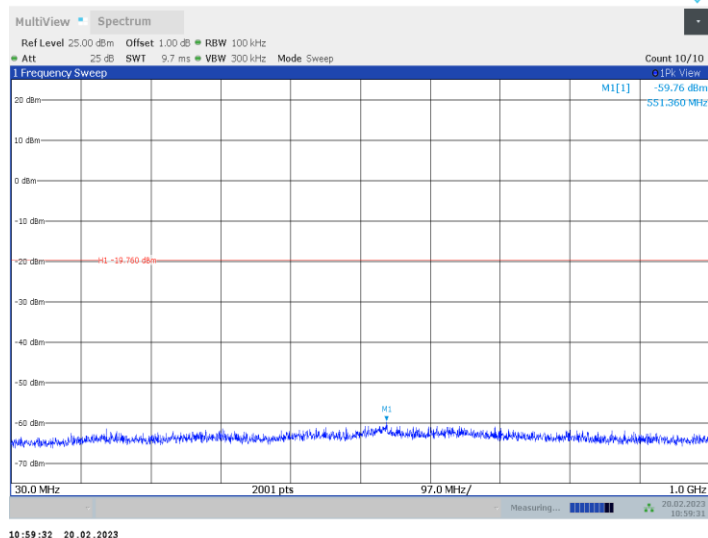
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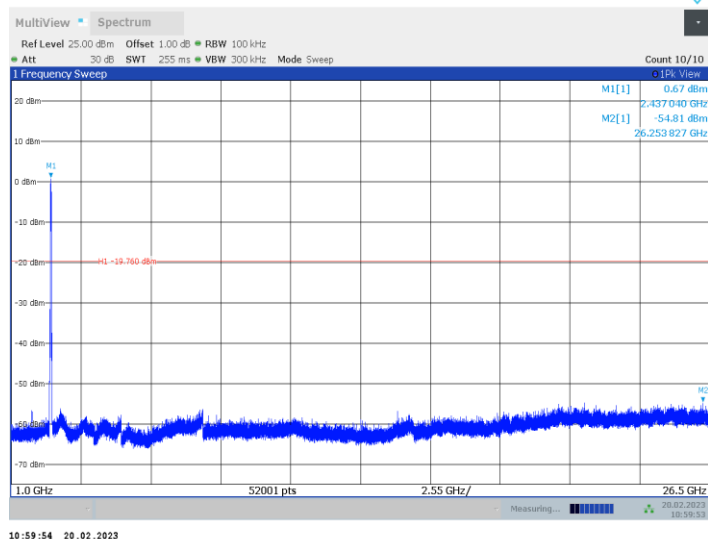
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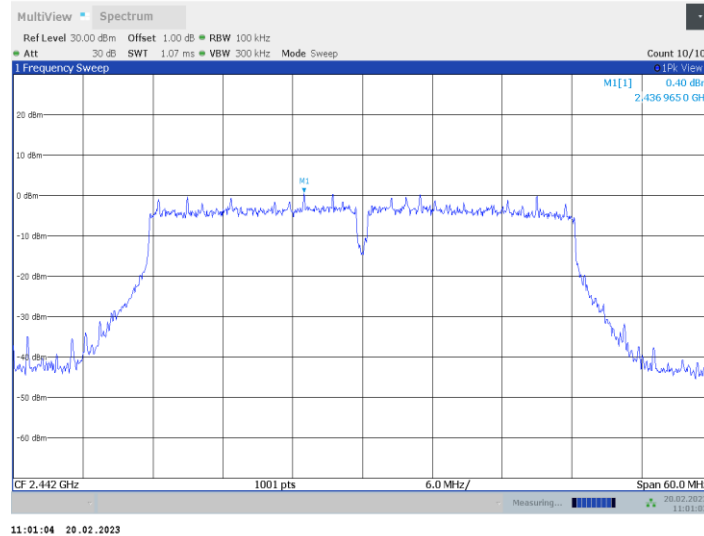
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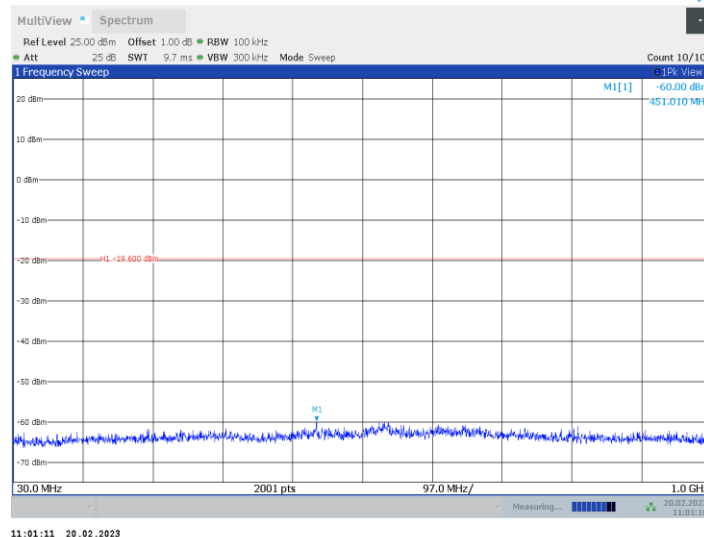
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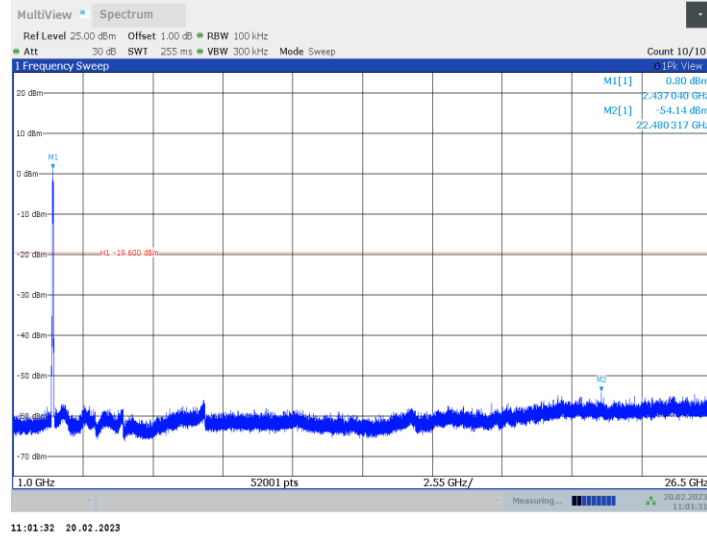
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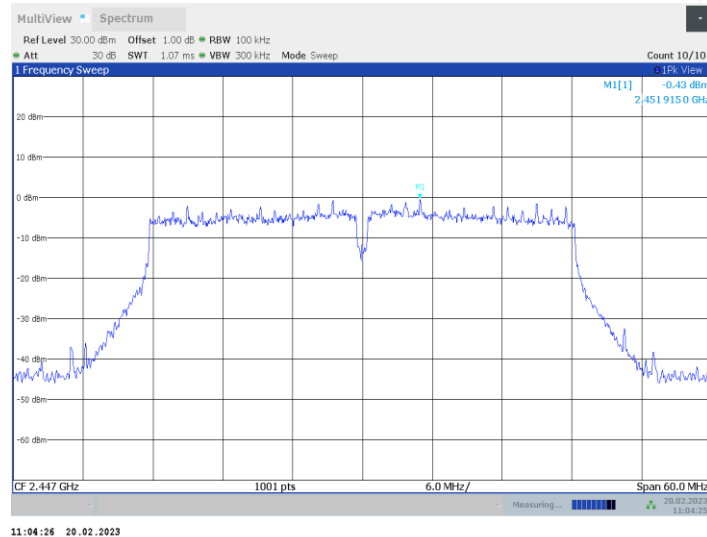
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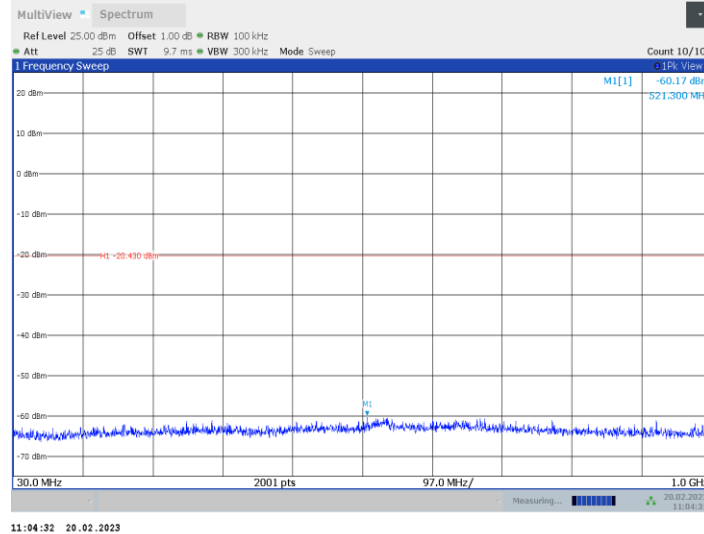
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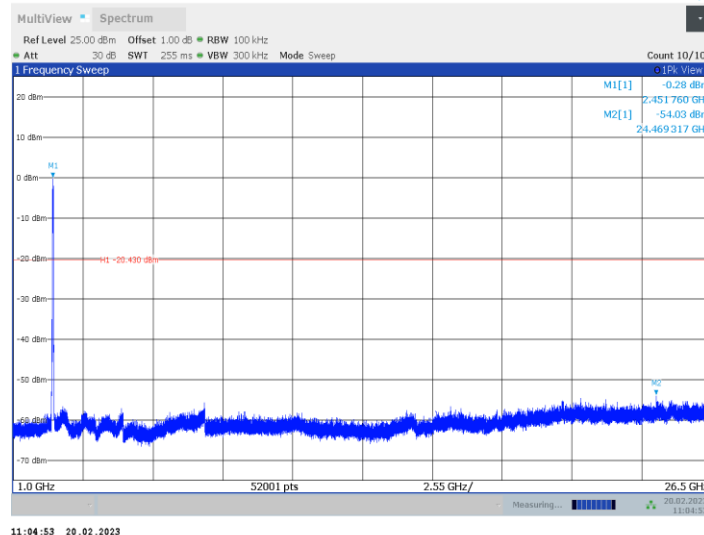
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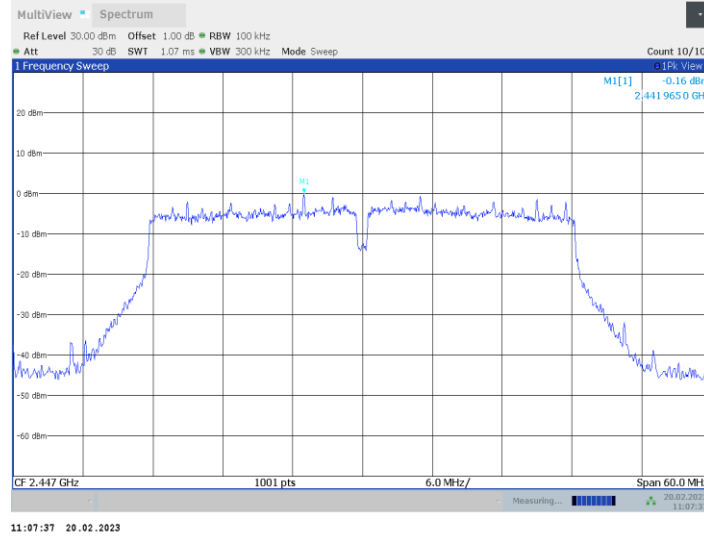
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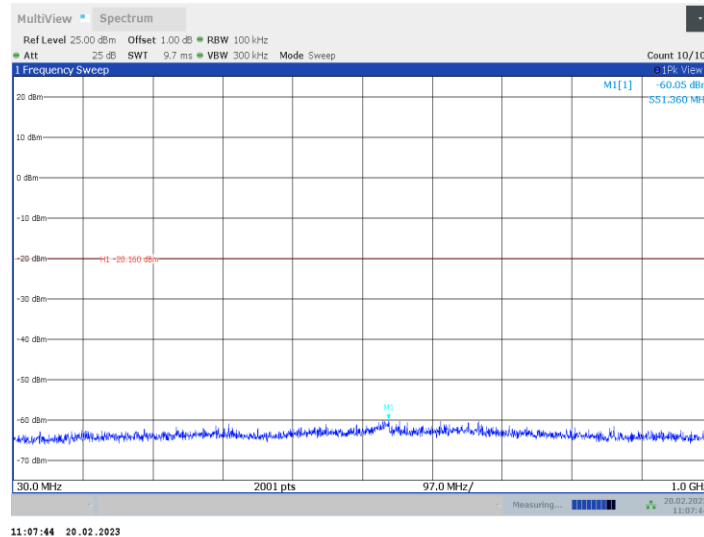
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11n40MIMO_Ant1_2447_0~Reference



11n40MIMO_Ant1_2447_30~1000



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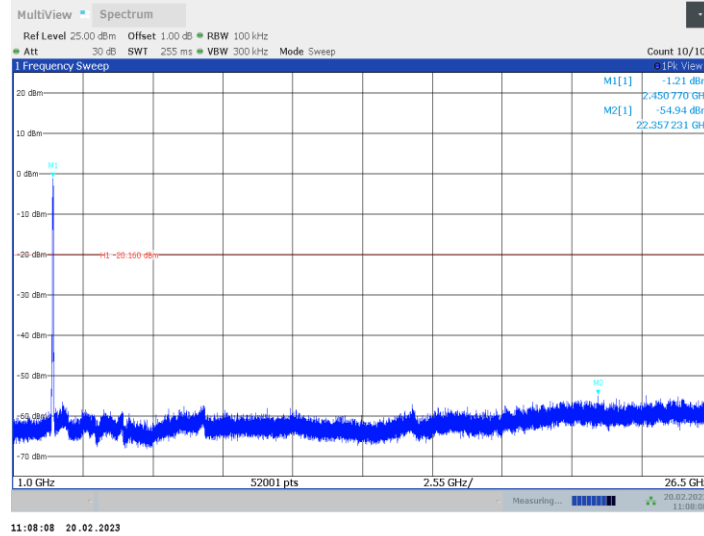
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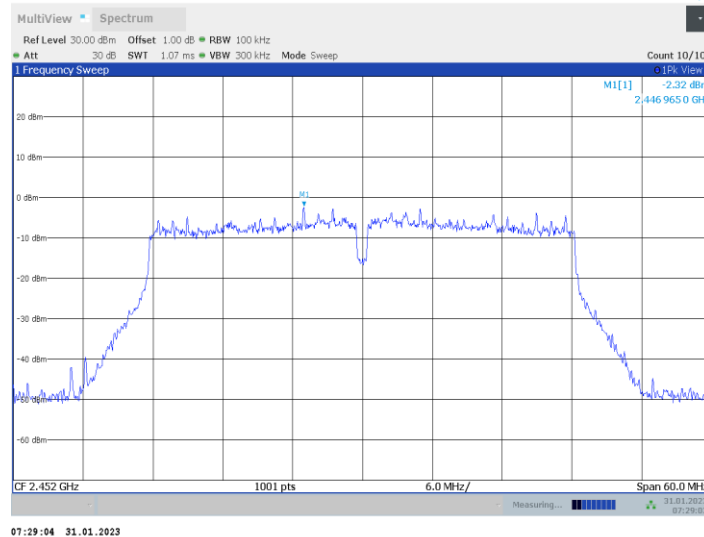
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11n40MIMO_Ant1_2447_1000~26500



11n40MIMO_Ant0_2452_0~Reference



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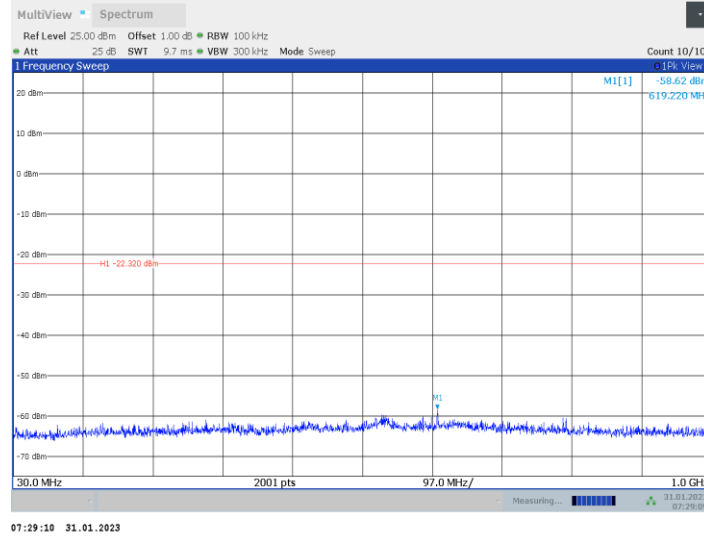
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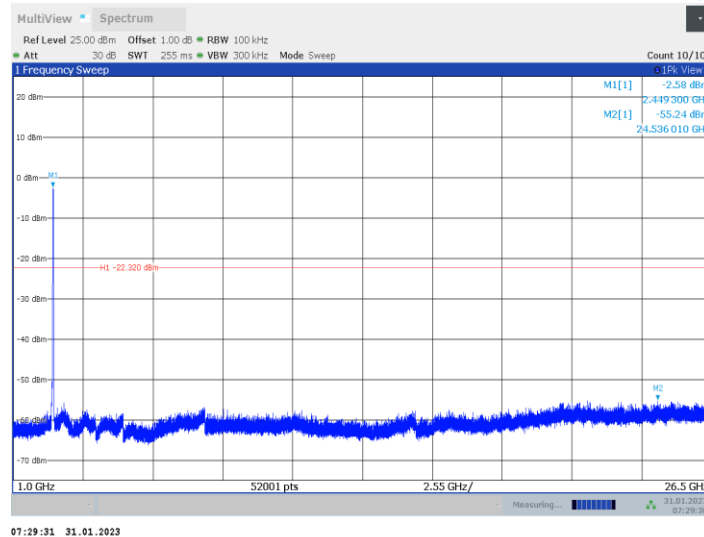
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11n40MIMO_Ant0_2452_30~1000



11n40MIMO_Ant0_2452_1000~26500



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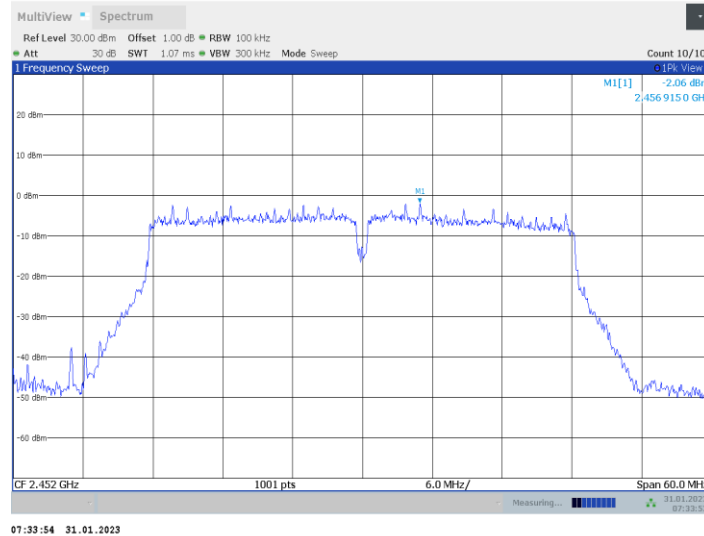
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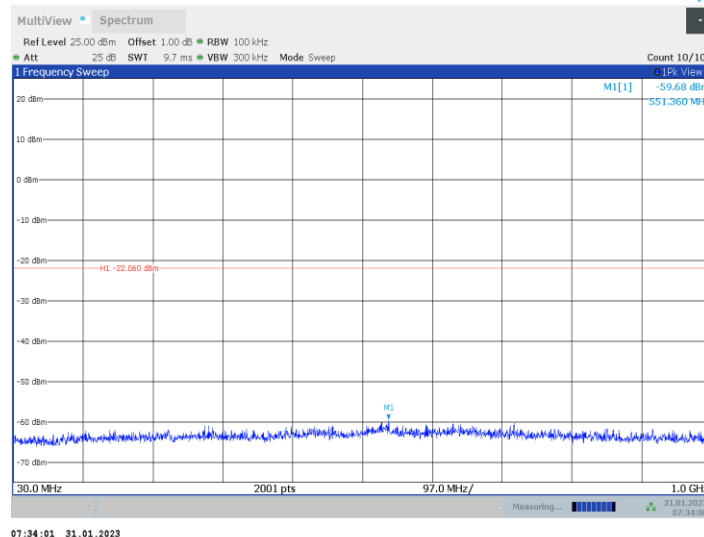
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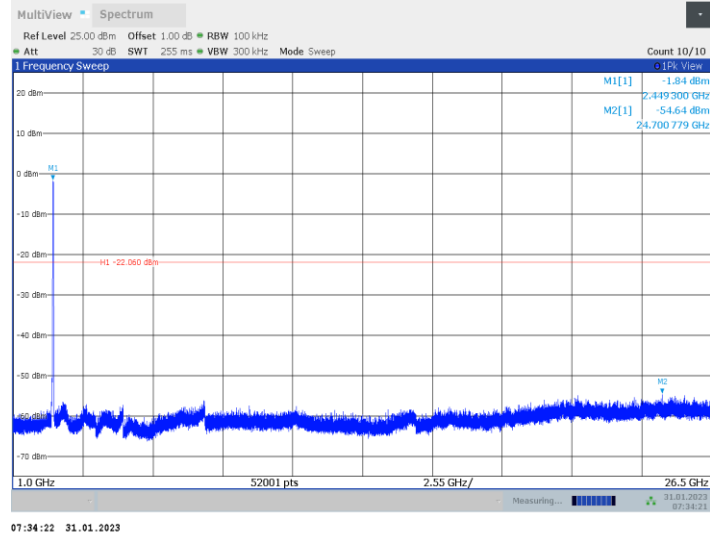
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Duty Cycle Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11b	Ant0	2412	20.00	20.00	100.00
	Ant1	2412	20.00	20.00	100.00
11g-CDD	Ant0	2412	2.06	2.10	98.10
	Ant1	2412	2.06	2.10	98.10
11n20MIMO	Ant0	2412	1.72	1.76	97.73
	Ant1	2412	1.72	1.76	97.73
11n40MIMO	Ant0	2422	0.85	0.91	93.41
	Ant1	2422	0.85	0.91	93.41

Note:

Radiated Emission Average VBW = 1 / T

TestMode	T[ms]	Period[ms]	Duty Cycle[%]	1/T[kHz]	VBW Setting
11b	20.00	20.00	100.00	0.05000	10Hz*
11g-CDD	2.06	2.10	98.10	0.48544	10Hz*
11n20MIMO	1.72	1.76	97.73	0.58140	1kHz
11n40MIMO	0.85	0.91	93.41	1.17647	3kHz

*Duty cycle > 98% VBW setting=10Hz



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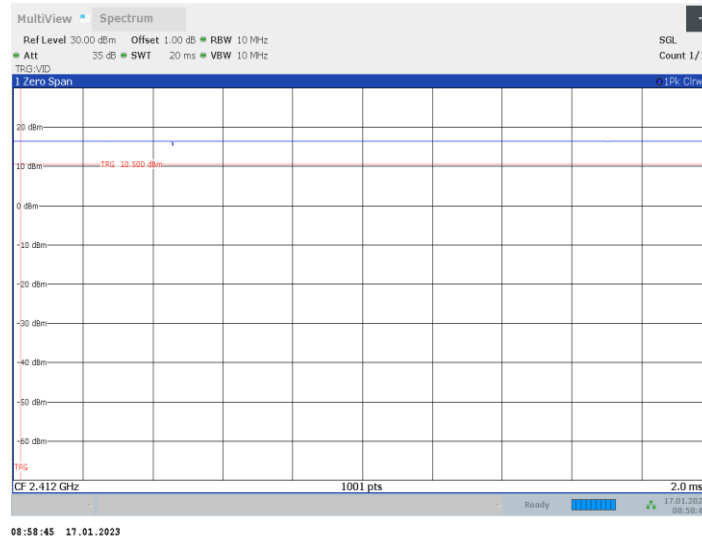
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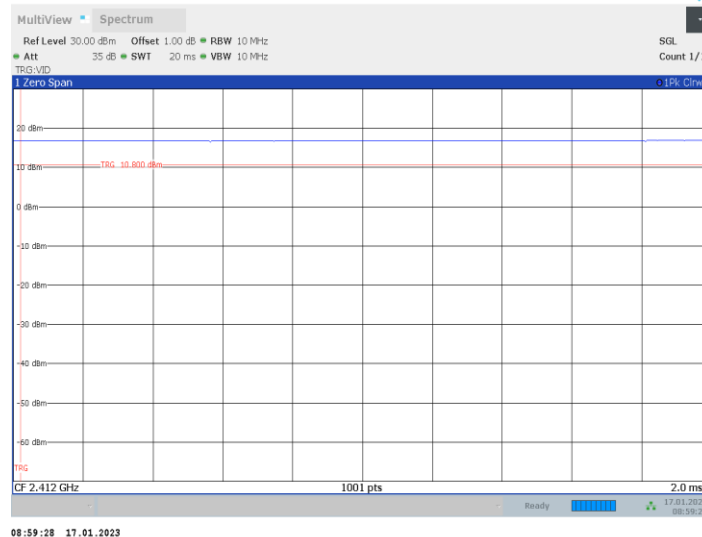
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Test Graphs

11b_Ant1_2412



11b_Ant1_2412



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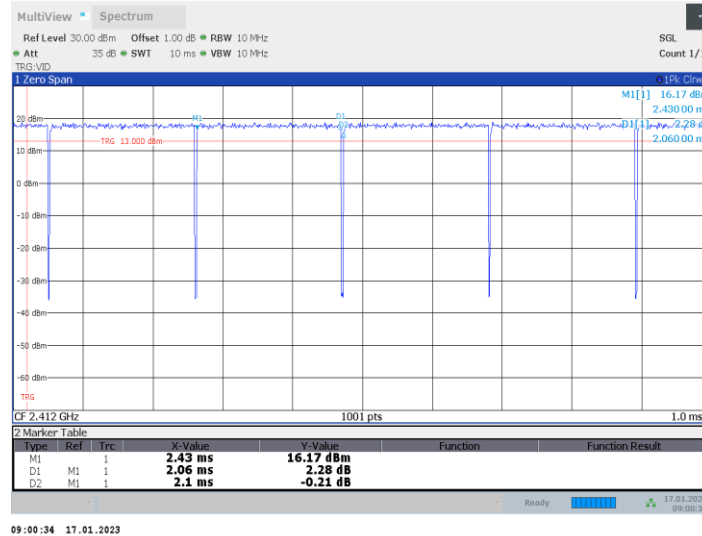
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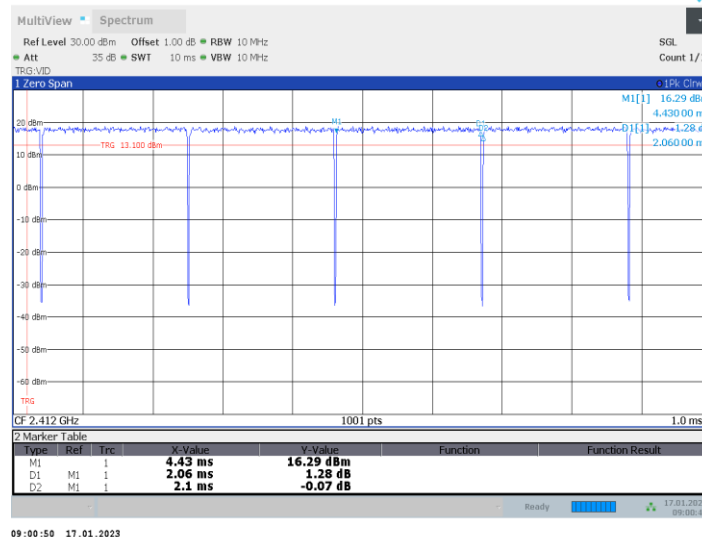
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11g-CDD_Ant0_2412



11g-CDD_Ant1_2412



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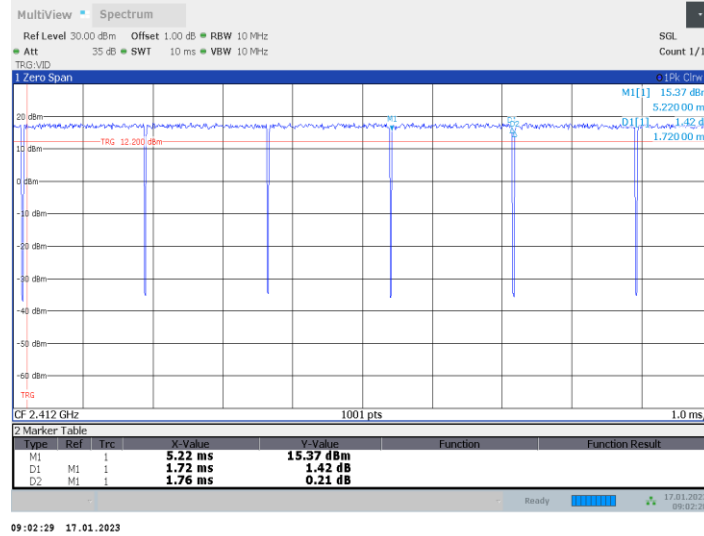
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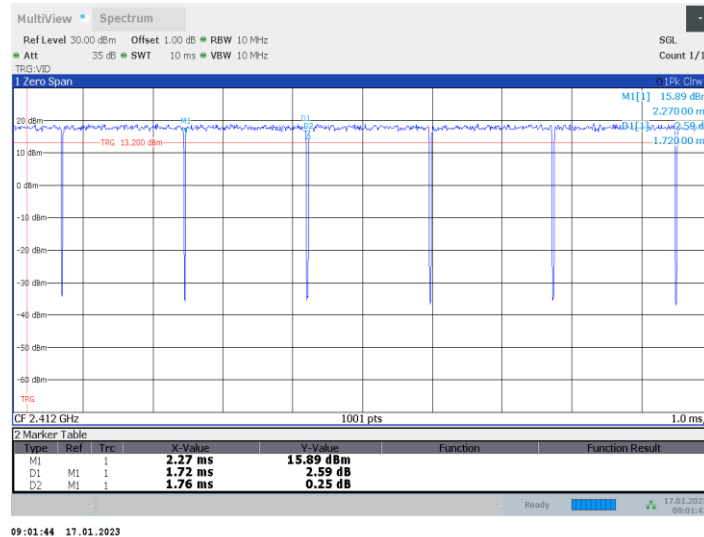
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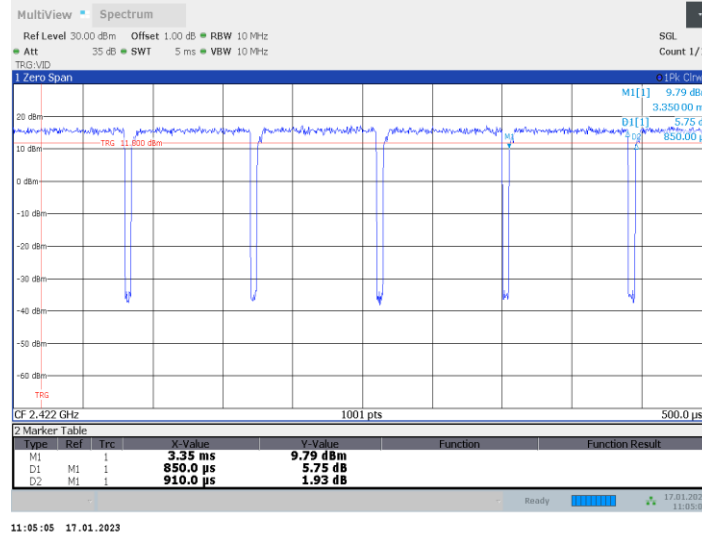
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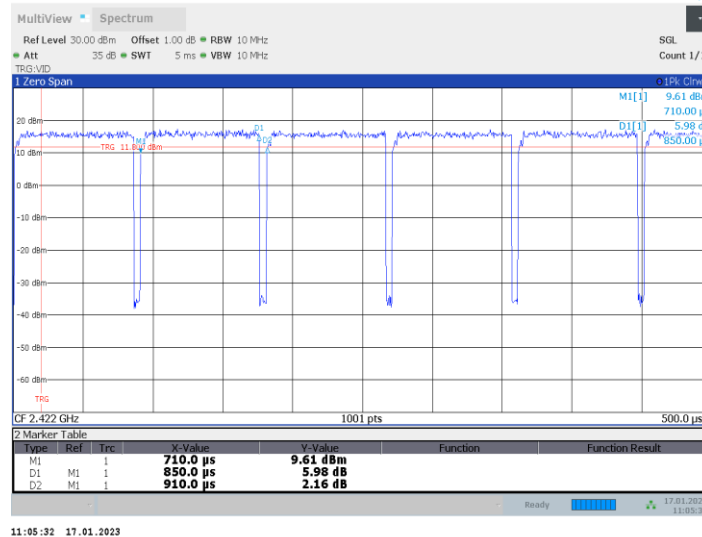
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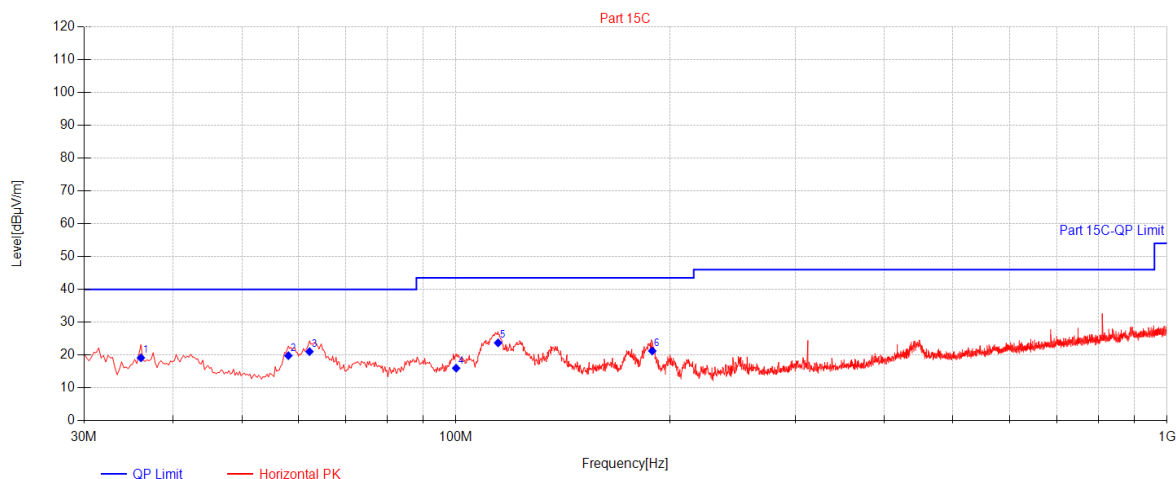
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Radiated Spurious Emissions

Radiated emission below 1GHz

Worst case Mode: 802.11n20_Channel 11

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	36.0625	42.01	-36.44	13.53	19.11	40.00	20.89	174	175	Horizontal
2	58.13	43.22	-36.35	12.90	19.77	40.00	20.23	125	299	Horizontal
3	62.2525	45.12	-36.43	12.32	21.01	40.00	18.99	156	142	Horizontal
4	100.0825	41.56	-35.76	10.16	15.95	43.50	27.55	321	130	Horizontal
5	114.6325	48.19	-36.15	11.64	23.68	43.50	19.82	265	102	Horizontal
6	188.8375	44.03	-35.40	12.57	21.20	43.50	22.30	182	246	Horizontal



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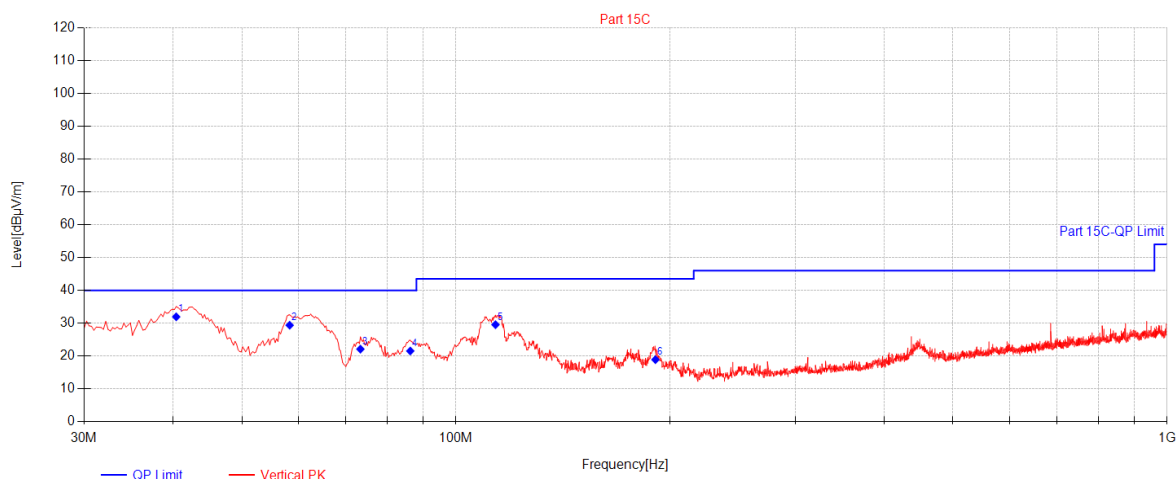
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Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	QP Value [dBμV/m]	QP Limit [dBμV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	40.4275	54.16	-36.26	14.03	31.93	40.00	8.07	125	237	Vertical
2	58.3725	52.84	-36.36	12.88	29.36	40.00	10.64	196	237	Vertical
3	73.4075	47.99	-36.22	10.30	22.07	40.00	17.93	175	50	Vertical
4	86.26	48.25	-36.13	9.38	21.50	40.00	18.50	222	11	Vertical
5	113.6625	54.13	-36.15	11.54	29.52	43.50	13.98	254	153	Vertical
6	190.7775	42.16	-35.40	12.10	18.86	43.50	24.64	136	175	Vertical

Remark:

- The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier gain.
The basic equation with a sample calculation is as follows:
Value = Reading(dBμV) + AF(dB/m) + Factor(dB):
AF = Antenna Factor(dB/m)
Factor = Cable Factor(dB) - Preamplifier gain(dB)
Margin = Limit(dBμV/m) – Value(dBμV/m)
- All channels have been tested, but only the worst case data displayed in this report.



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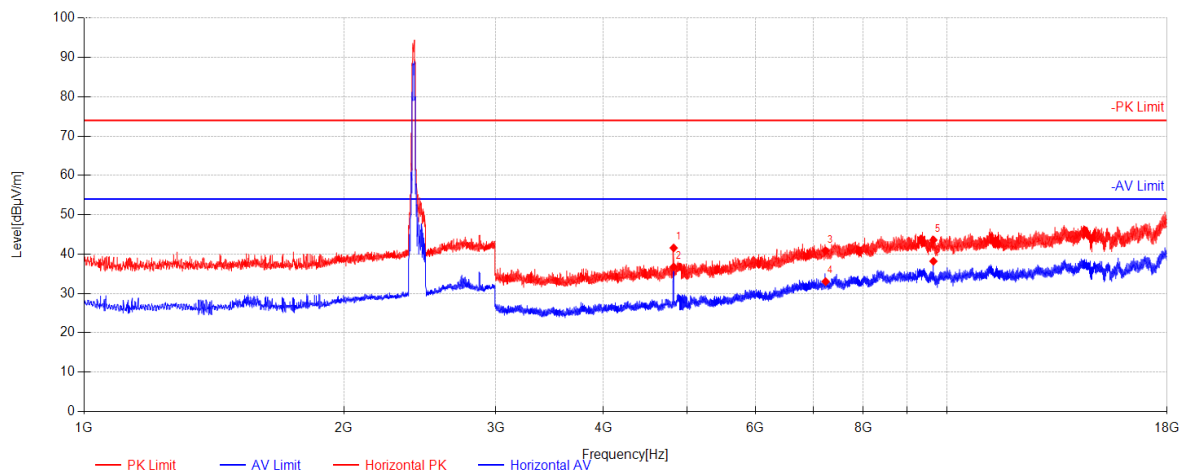
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Transmitter emission Above 1GHz

802.11b_Channel 01



Data List

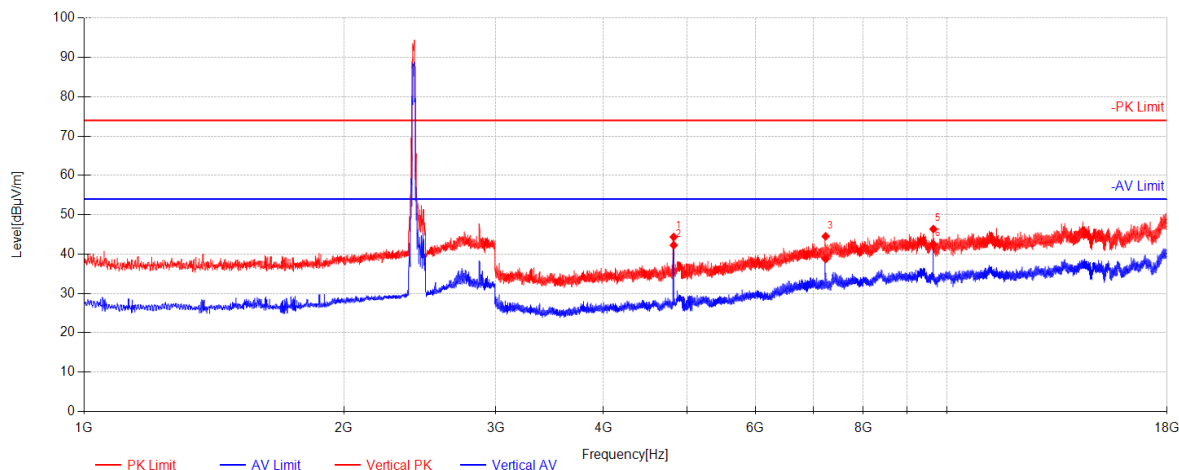
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1	4824.0000	54.72	32.39	-45.54	41.57	74.00	32.43	245	1	Horizontal
2	4824.5	49.89	32.39	-45.54	36.74	54.00	17.26	144	1	Horizontal
3	7236.0000	47.81	36.58	-43.54	40.85	74.00	33.15	126	8	Horizontal
4	7236.0000	39.98	36.58	-43.54	33.02	54.00	20.98	288	83	Horizontal
5	9648.0000	44.76	38.39	-39.56	43.59	74.00	30.41	146	109	Horizontal
6	9648.5	39.36	38.39	-39.56	38.19	54.00	15.81	145	55	Horizontal

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802.11b_Channel 01



Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4824	57.50	32.39	-45.54	44.35	74.00	29.65	148	155	Vertical
2	4824.5	55.42	32.39	-45.54	42.27	54.00	11.73	156	220	Vertical
3	7236	51.48	36.58	-43.54	44.52	74.00	29.48	251	80	Vertical
4	7237	45.71	36.58	-43.54	38.75	54.00	15.25	147	80	Vertical
5	9647.5	47.55	38.39	-39.56	46.38	74.00	27.62	185	275	Vertical
6	9648.5	43.62	38.39	-39.56	42.45	54.00	11.55	196	246	Vertical



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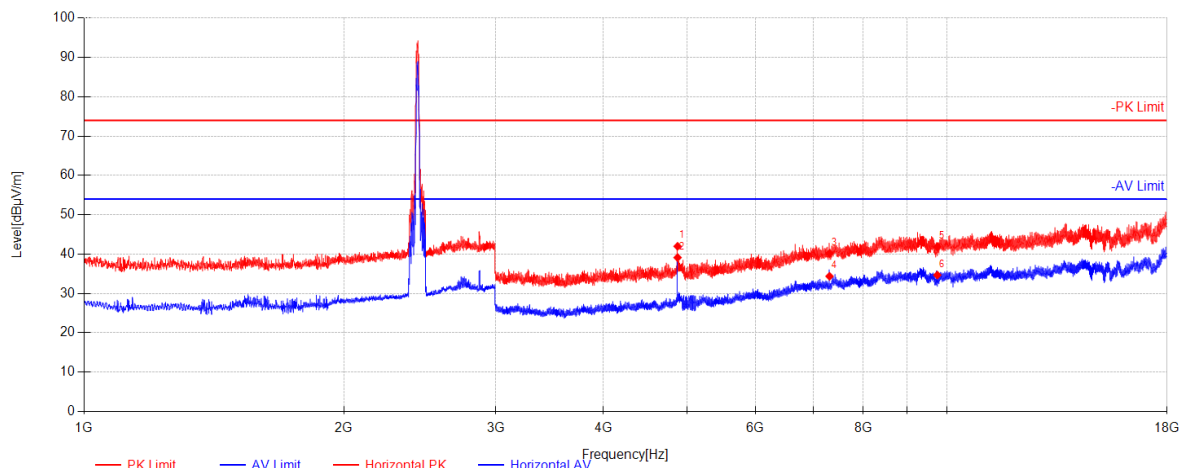
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802.11b_Channel 06



Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4874.0000	55.00	32.53	-45.53	41.99	74.00	32.01	284	211	Horizontal
2	4874.5	52.12	32.53	-45.53	39.12	54.00	14.88	175	305	Horizontal
3	7311.0000	47.36	36.54	-43.71	40.19	74.00	33.81	146	106	Horizontal
4	7311.0000	41.53	36.54	-43.71	34.36	54.00	19.64	291	135	Horizontal
5	9748.0000	43.04	38.28	-39.46	41.86	74.00	32.14	143	166	Horizontal
6	9748.0000	35.85	38.28	-39.46	34.67	54.00	19.33	188	159	Horizontal



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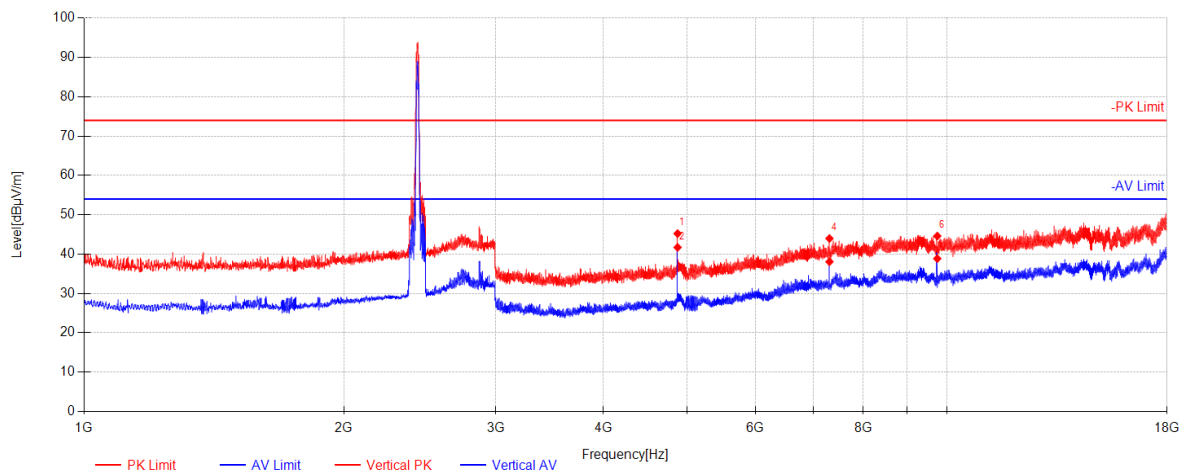
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802.11b_Channel 06



Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4874.0000	58.22	32.53	-45.53	45.21	74.00	28.79	248	221	Vertical
2	4874.5	54.71	32.53	-45.53	41.71	54.00	12.29	153	250	Vertical
3	7311.0000	45.23	36.54	-43.71	38.06	54.00	15.94	188	79	Vertical
4	7311.0000	51.14	36.54	-43.71	43.97	74.00	30.03	261	53	Vertical
5	9748.0000	40.03	38.28	-39.46	38.85	54.00	15.15	174	250	Vertical
6	9748.0000	45.77	38.28	-39.46	44.59	74.00	29.41	195	53	Vertical



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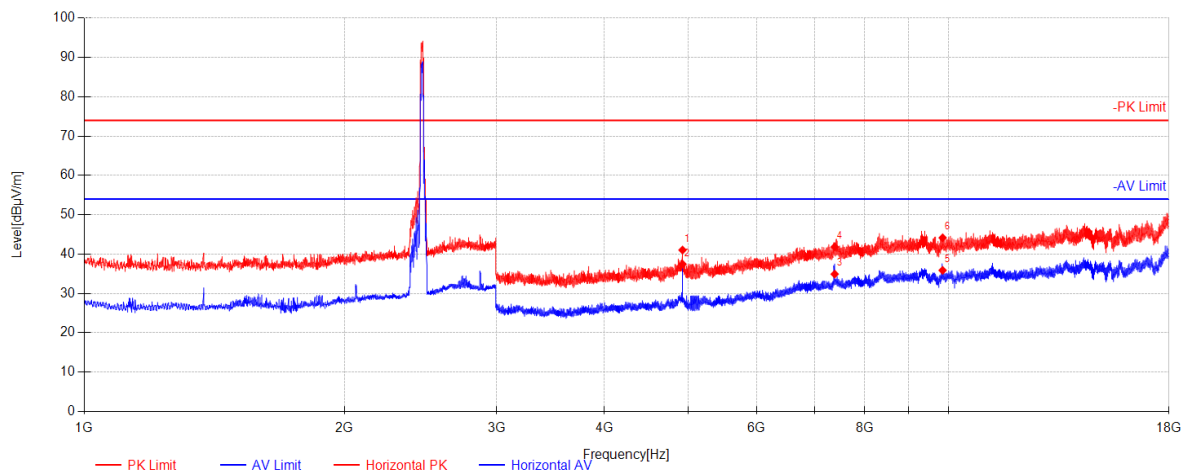
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802.11b_Channel 11



Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4924.0000	53.92	32.67	-45.56	41.03	74.00	32.97	185	80	Horizontal
2	4924.5	50.33	32.67	-45.56	37.44	54.00	16.56	144	80	Horizontal
3	7386.0000	41.88	36.50	-43.46	34.92	54.00	19.08	185	53	Horizontal
4	7386.0000	48.79	36.50	-43.46	41.83	74.00	32.17	165	220	Horizontal
5	9848.0000	36.99	38.28	-39.41	35.87	54.00	18.13	126	0	Horizontal
6	9848.0000	45.27	38.28	-39.41	44.15	74.00	29.85	133	1	Horizontal



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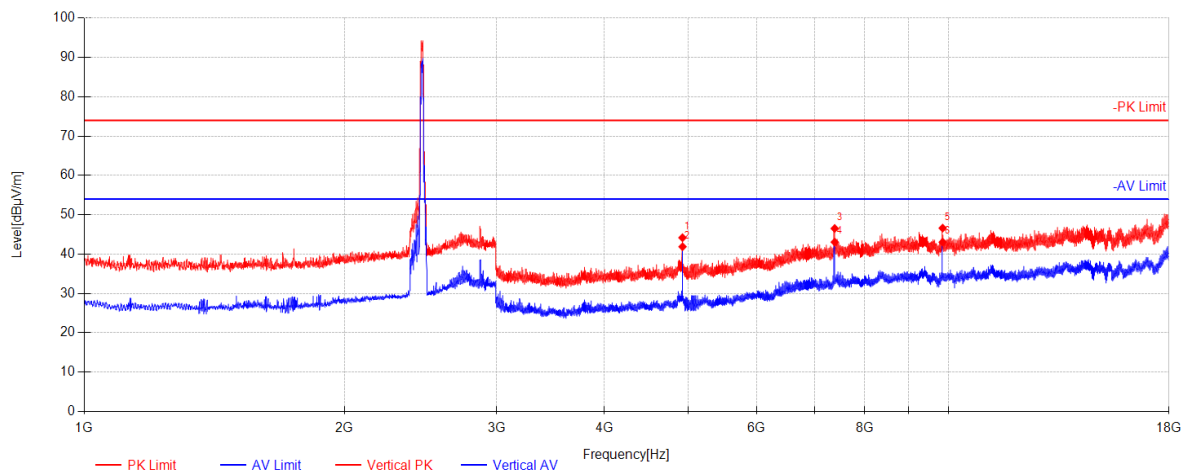
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802.11b_Channel 11



Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4924.0000	57.06	32.67	-45.56	44.17	74.00	29.83	185	220	Vertical
2	4924.5	54.77	32.67	-45.56	41.88	54.00	12.12	145	246	Vertical
3	7386.0000	53.48	36.50	-43.46	46.52	74.00	27.48	216	52	Vertical
4	7387.5	50.01	36.50	-43.45	43.05	54.00	10.95	236	82	Vertical
5	9848.0000	47.73	38.28	-39.41	46.61	74.00	27.39	259	250	Vertical
6	9848.5	44.16	38.29	-39.41	43.04	54.00	10.96	191	155	Vertical



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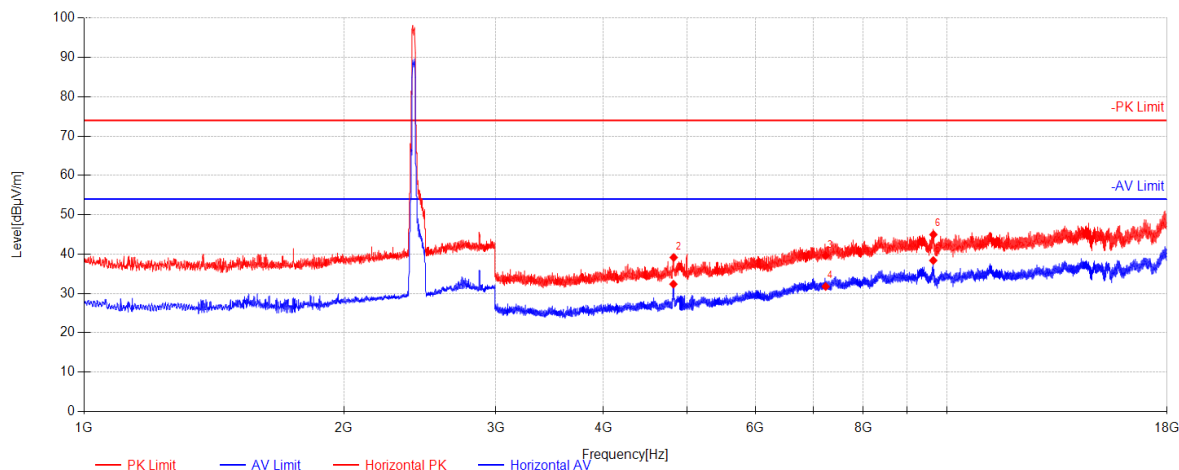
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802.11g_Channel 01



Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4820.5	45.52	32.38	-45.54	32.36	54.00	21.64	125	108	Horizontal
2	4824.0000	52.30	32.39	-45.54	39.15	74.00	34.85	148	1	Horizontal
3	7236.0000	46.56	36.58	-43.54	39.60	74.00	34.40	291	334	Horizontal
4	7236.0000	38.72	36.58	-43.54	31.76	54.00	22.24	156	79	Horizontal
5	9644	39.56	38.39	-39.57	38.38	54.00	15.62	174	79	Horizontal
6	9648.0000	46.14	38.39	-39.56	44.97	74.00	29.03	153	54	Horizontal



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