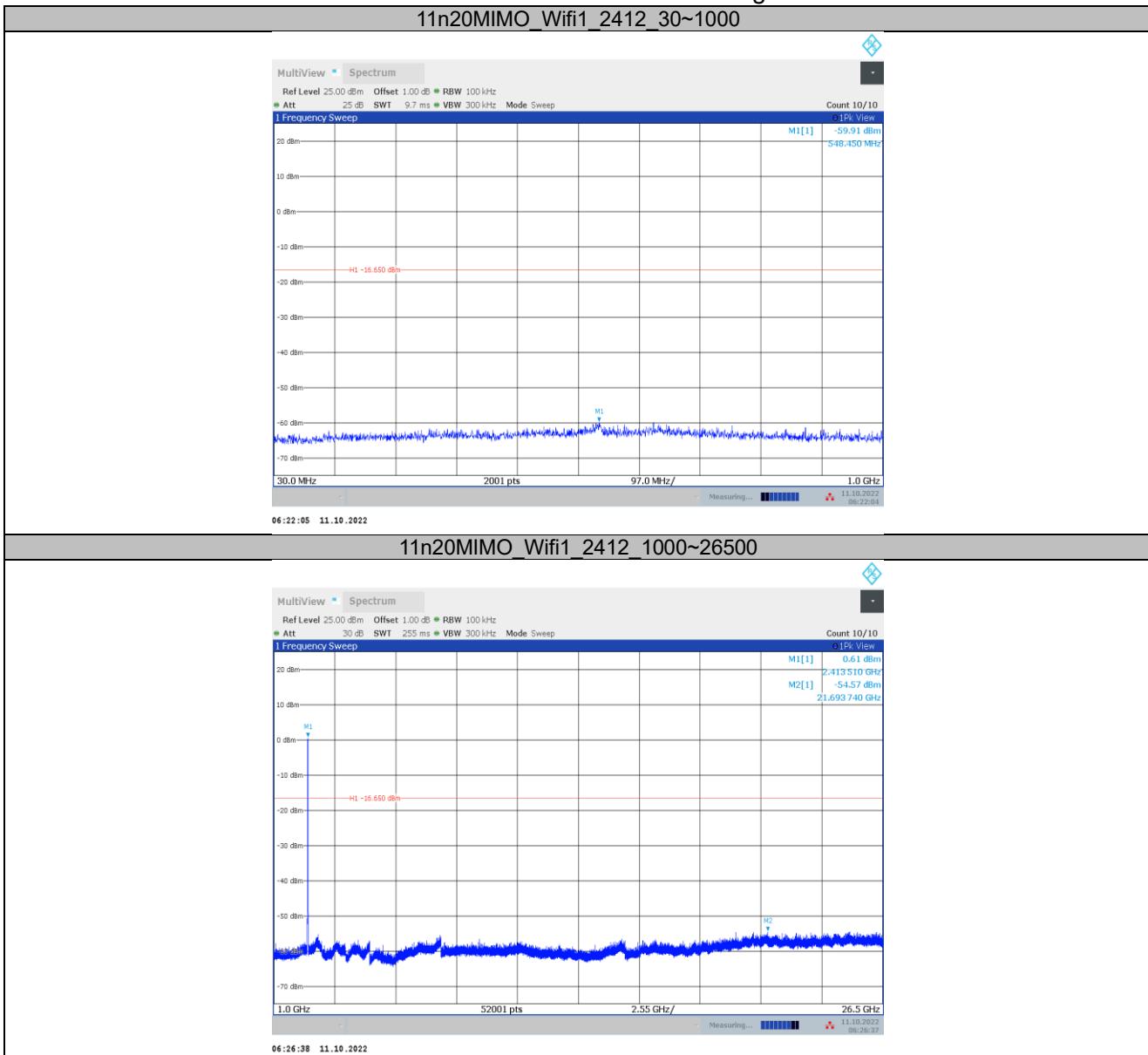


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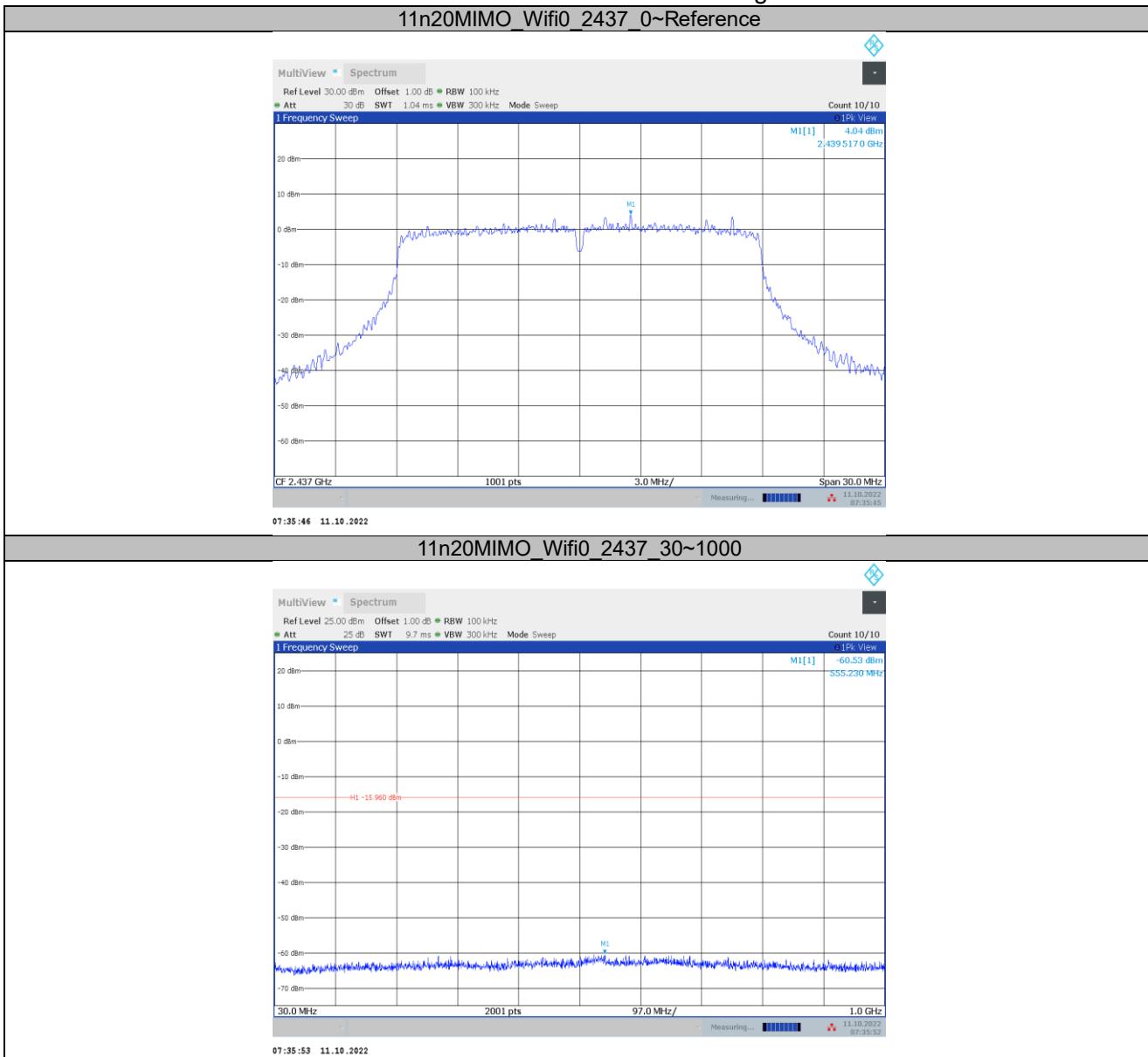


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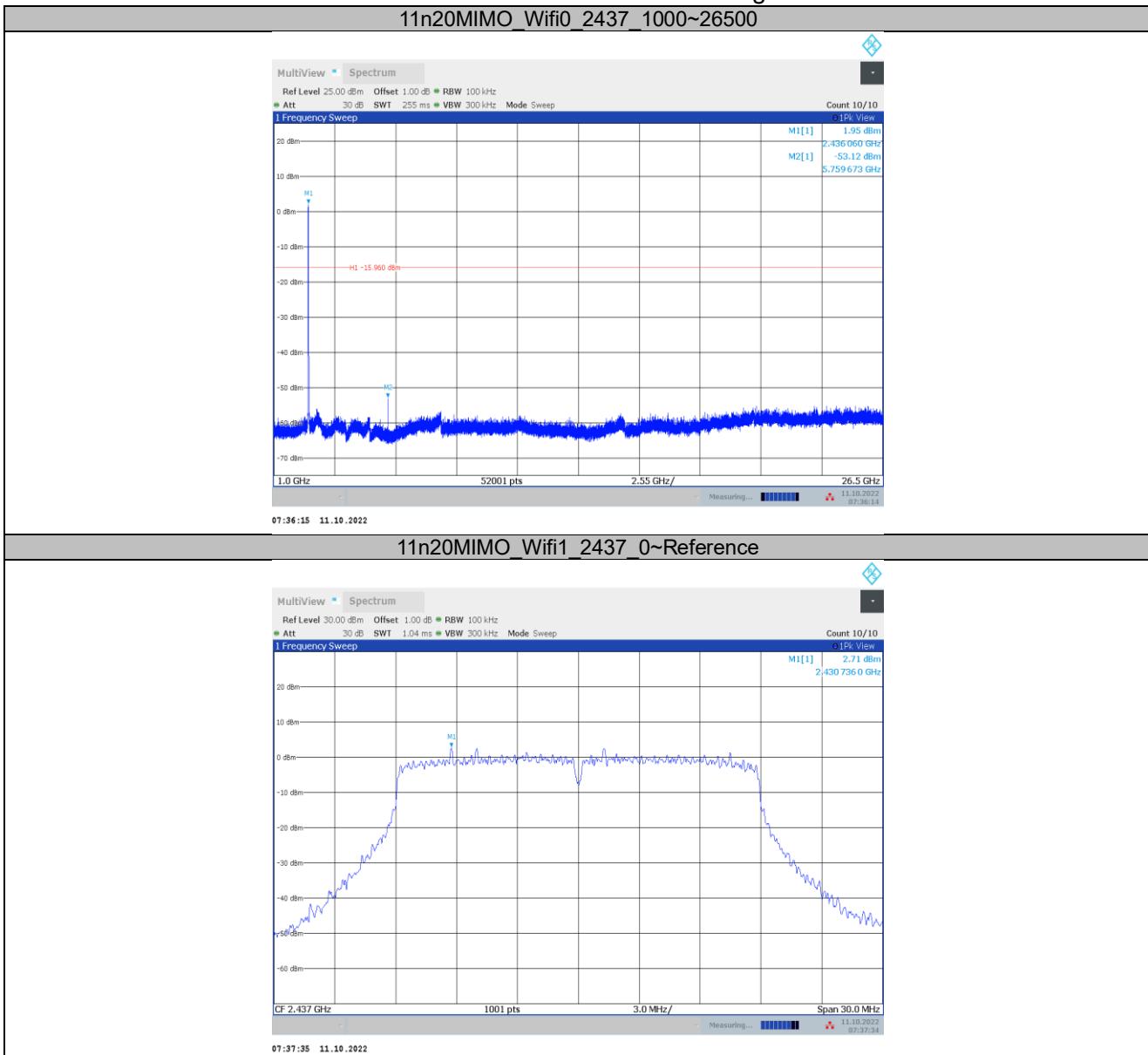


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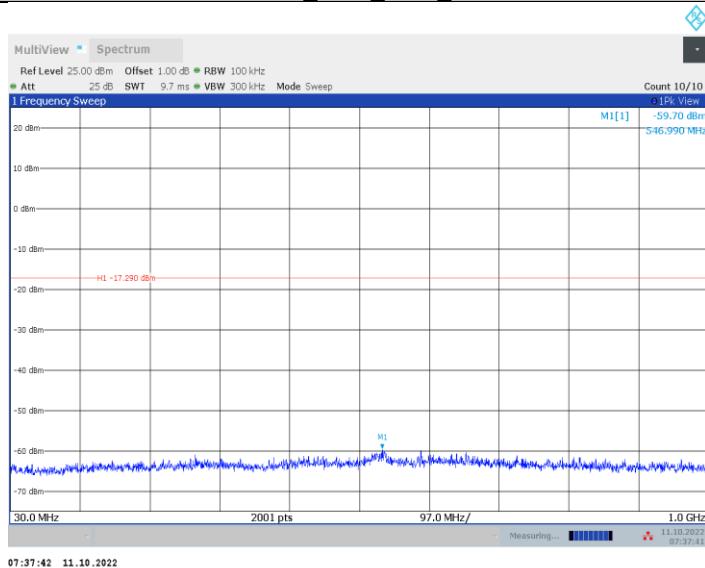
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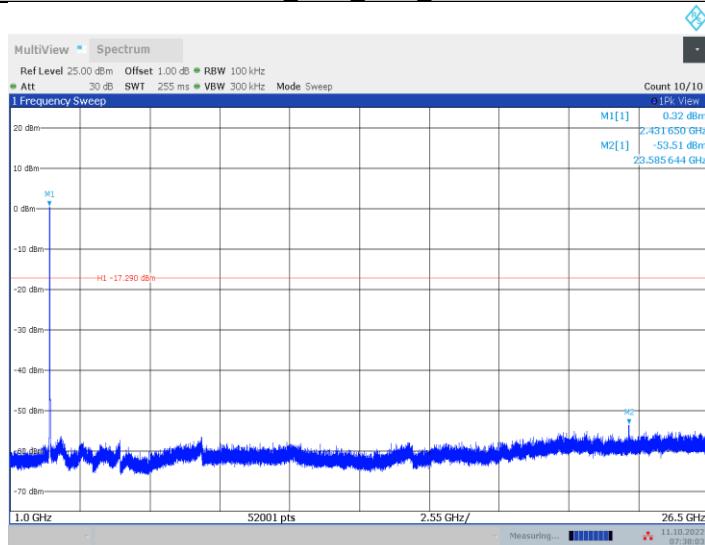
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11n20MIMO_Wifi1_2437_30~1000



07:37:42 11.10.2022

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07:38:04 11.10.2022

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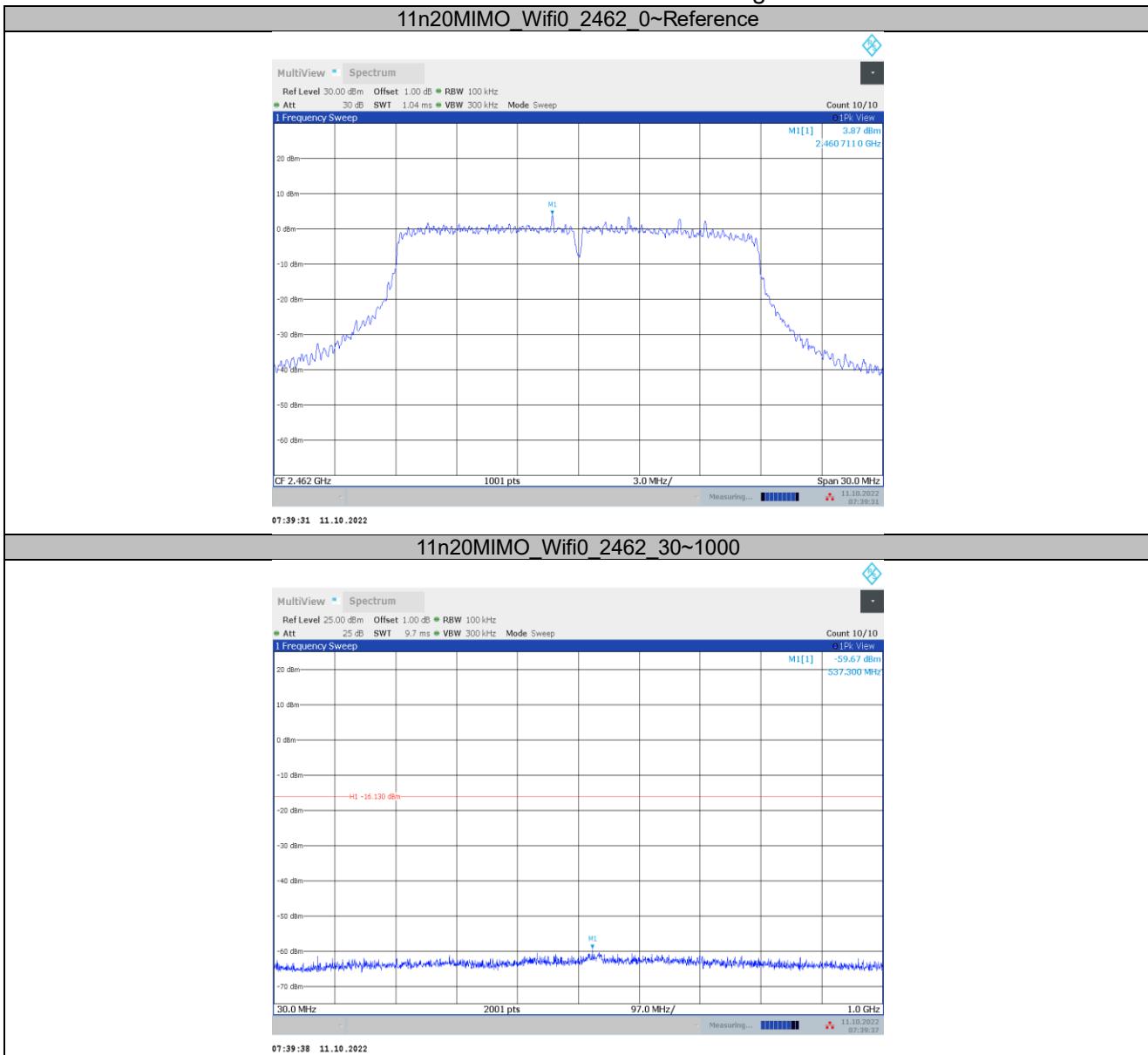


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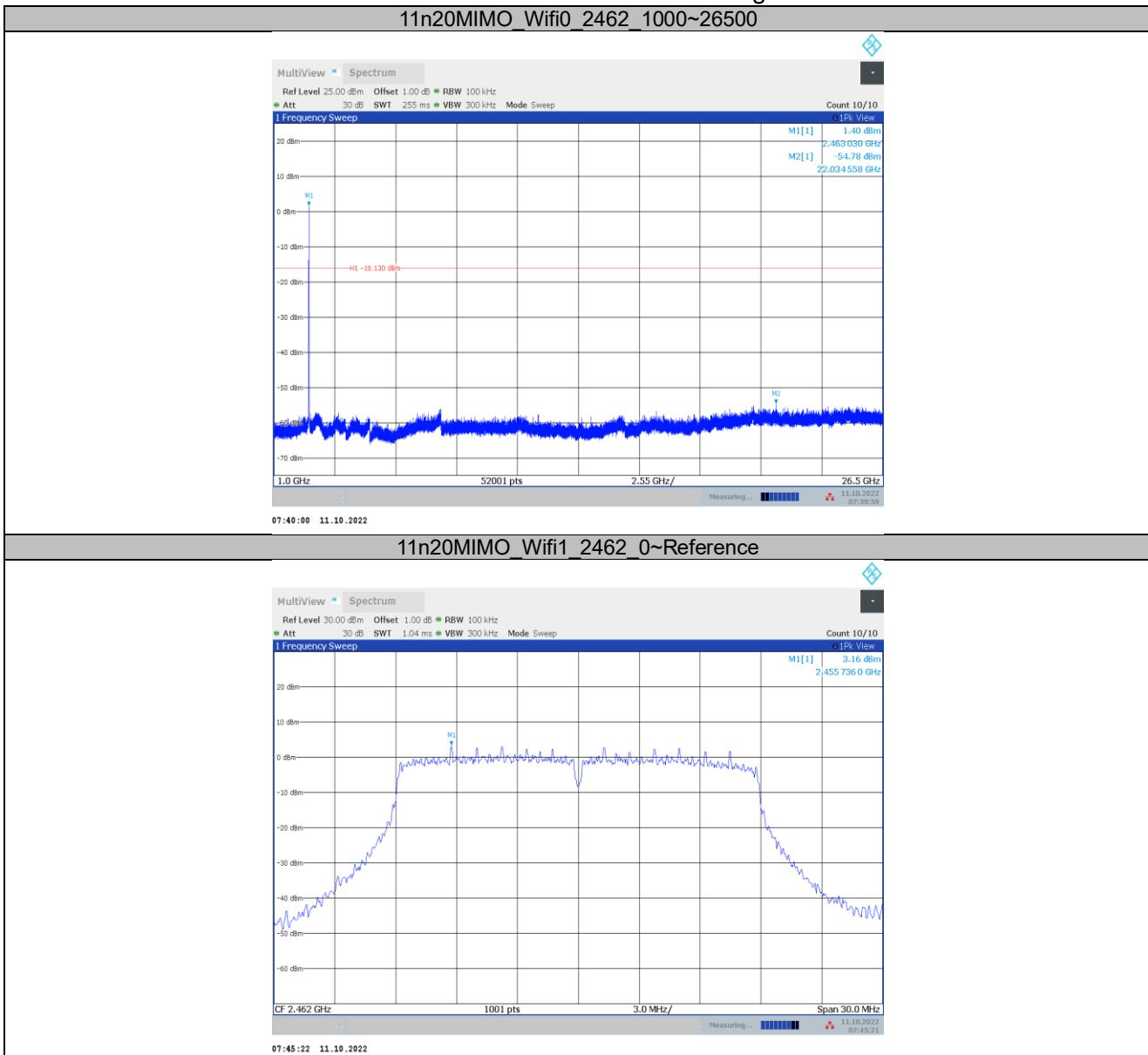


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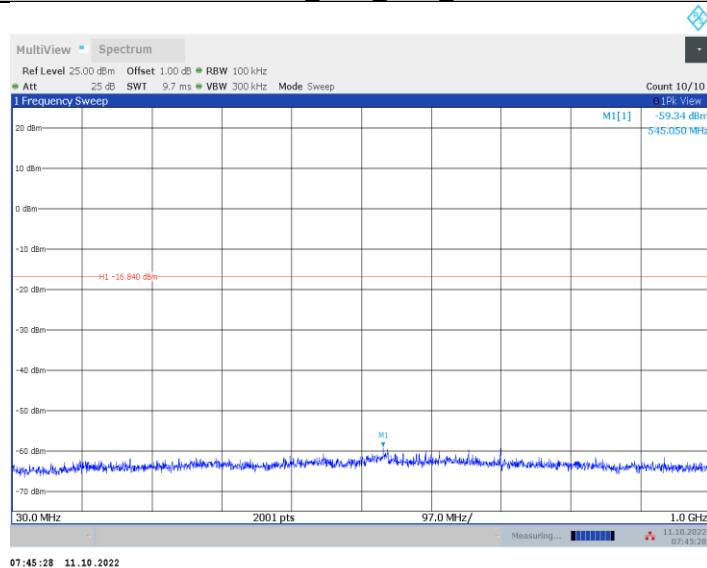
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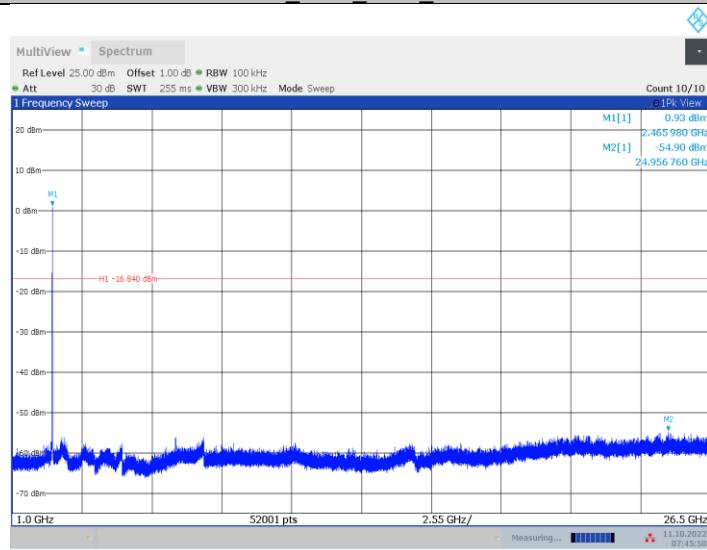
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11n20MIMO_Wifi1_2462_30~1000



11n20MIMO_Wifi1_2462_1000~26500



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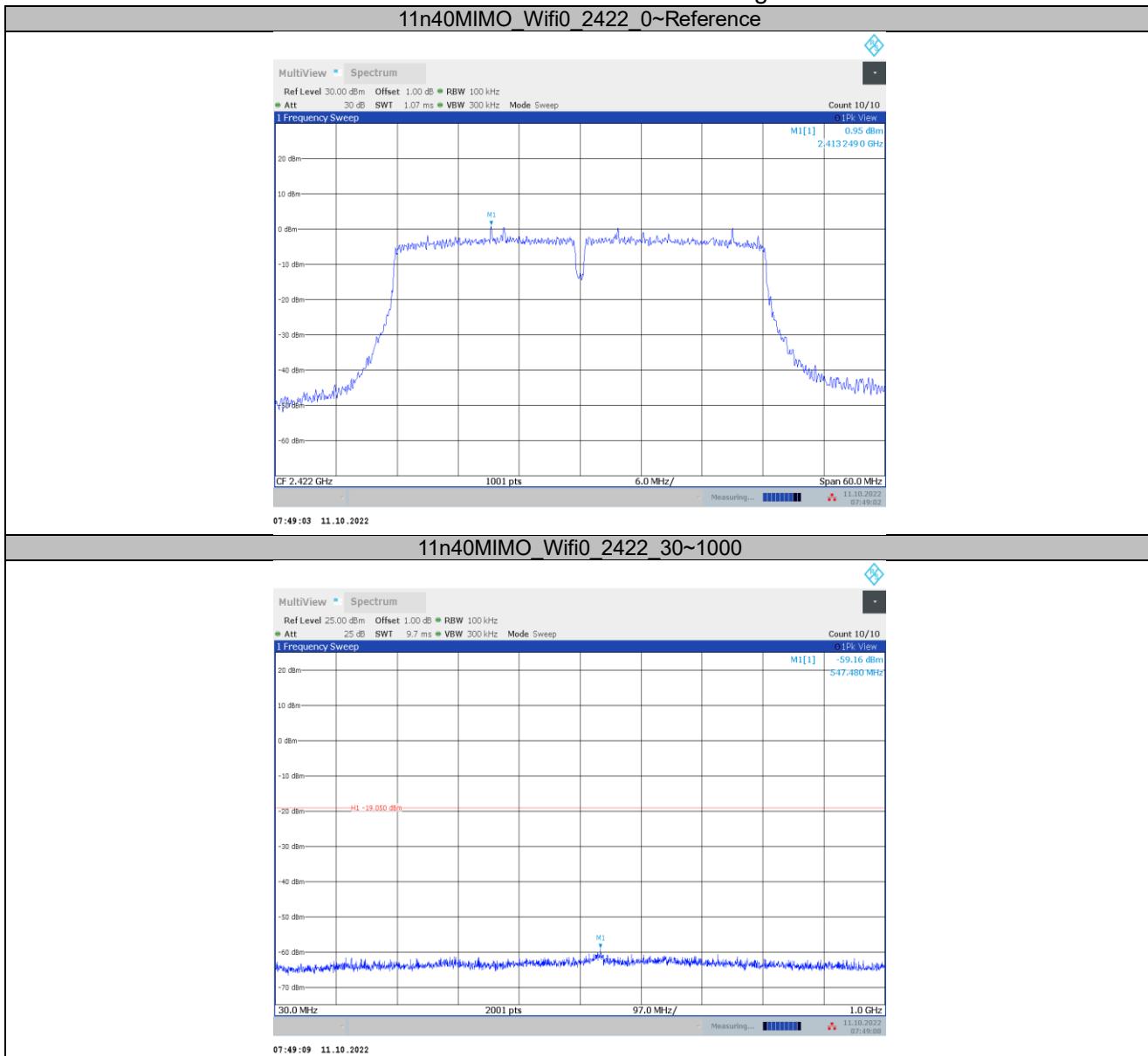


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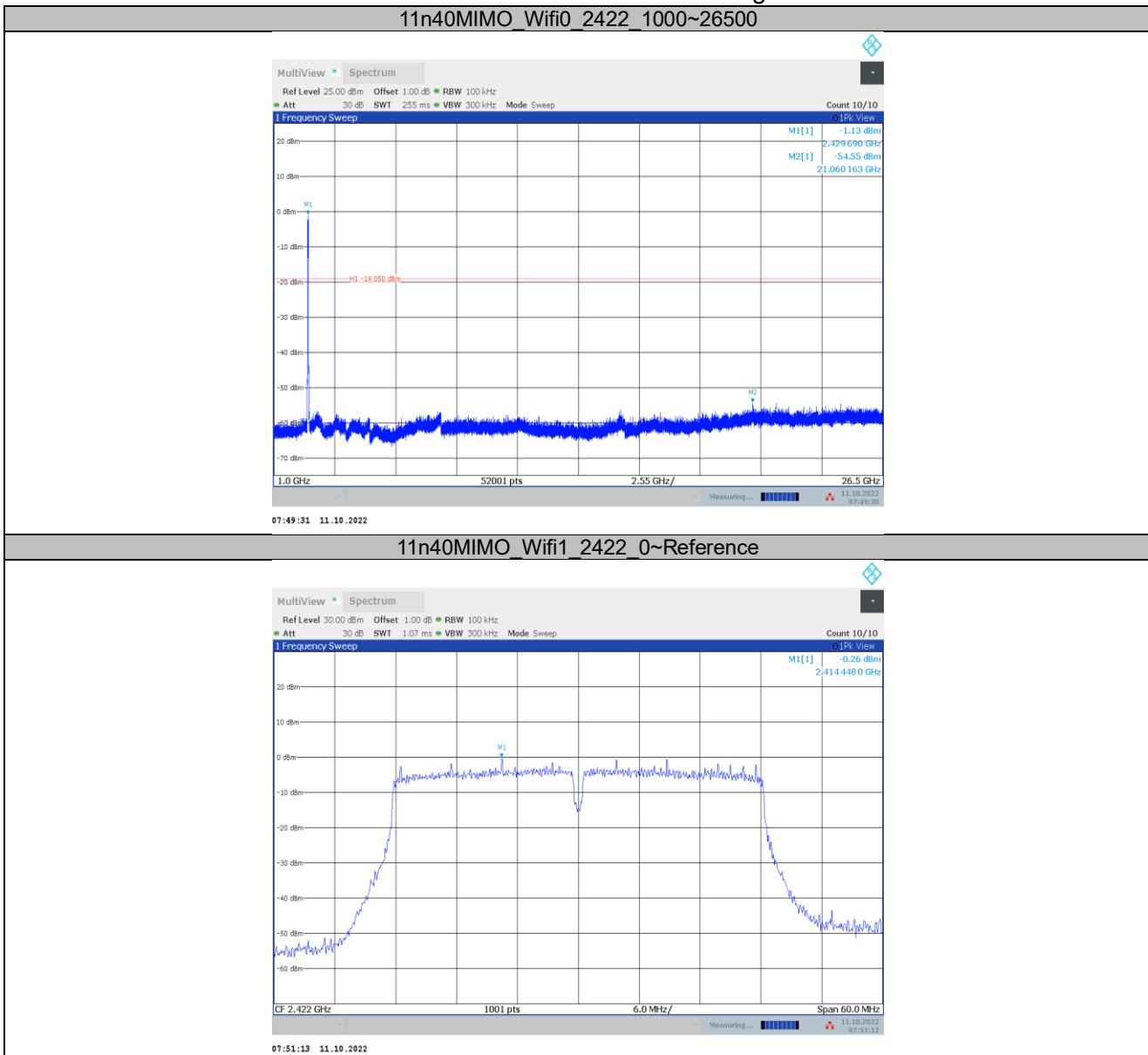


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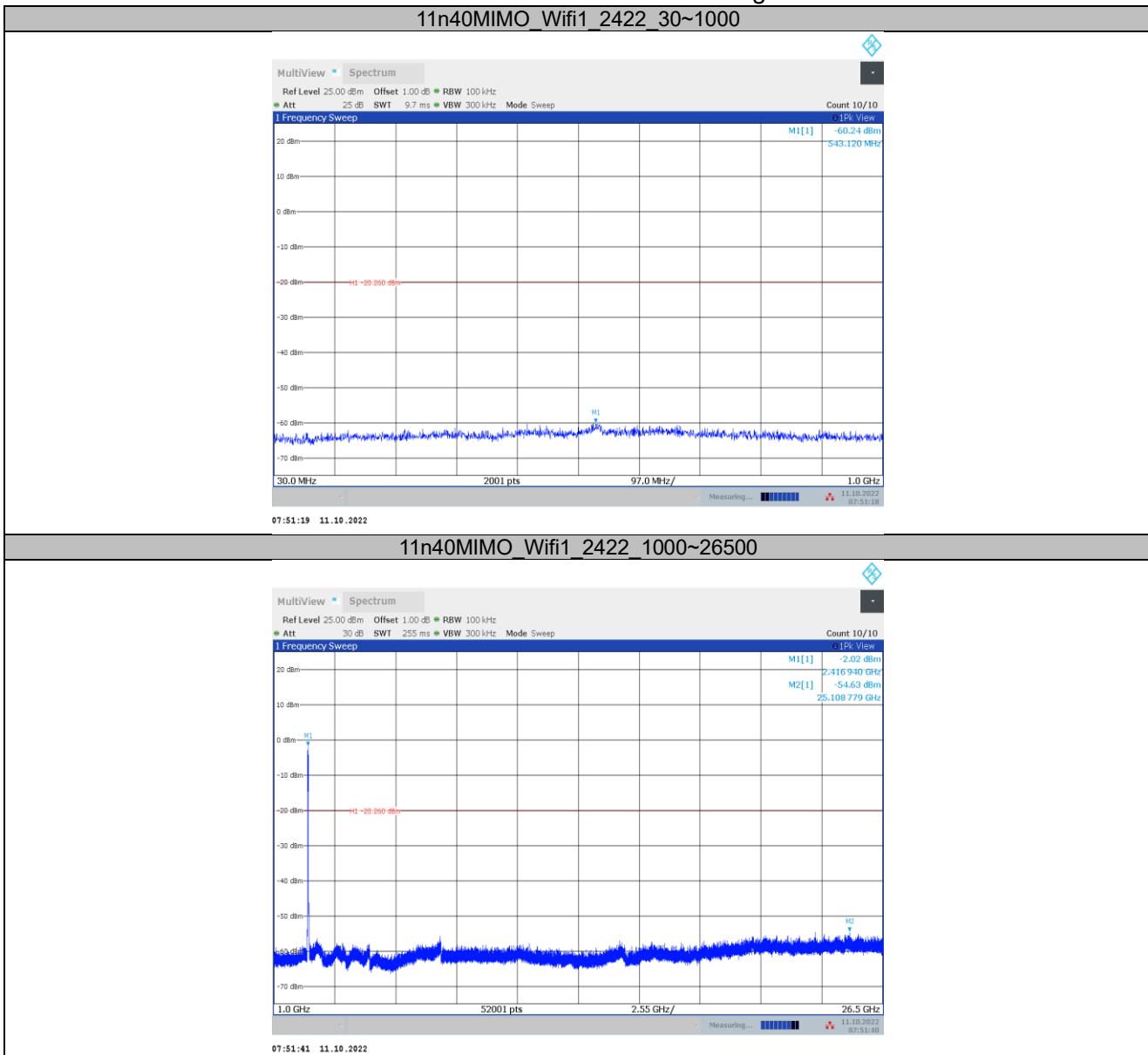


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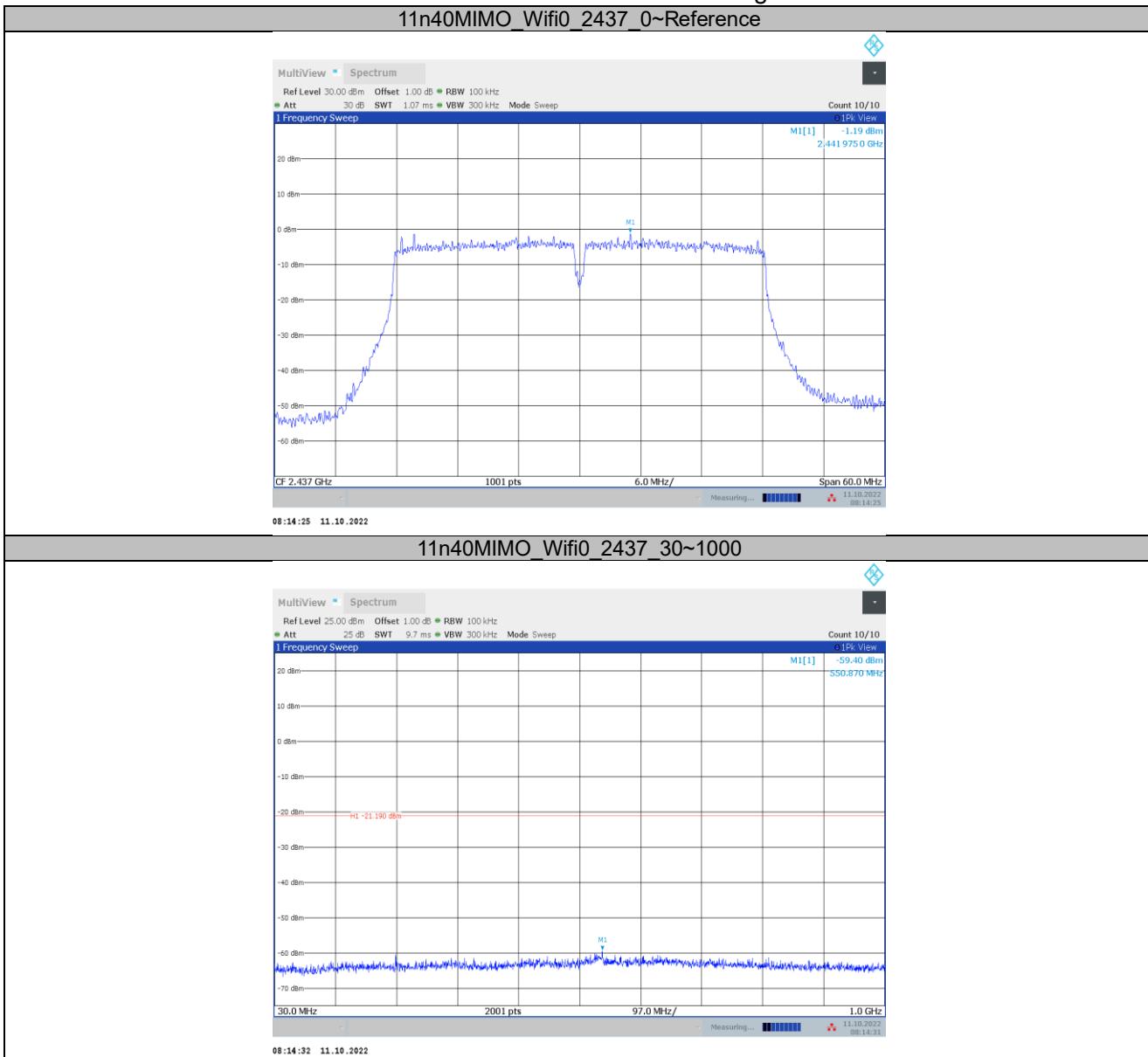


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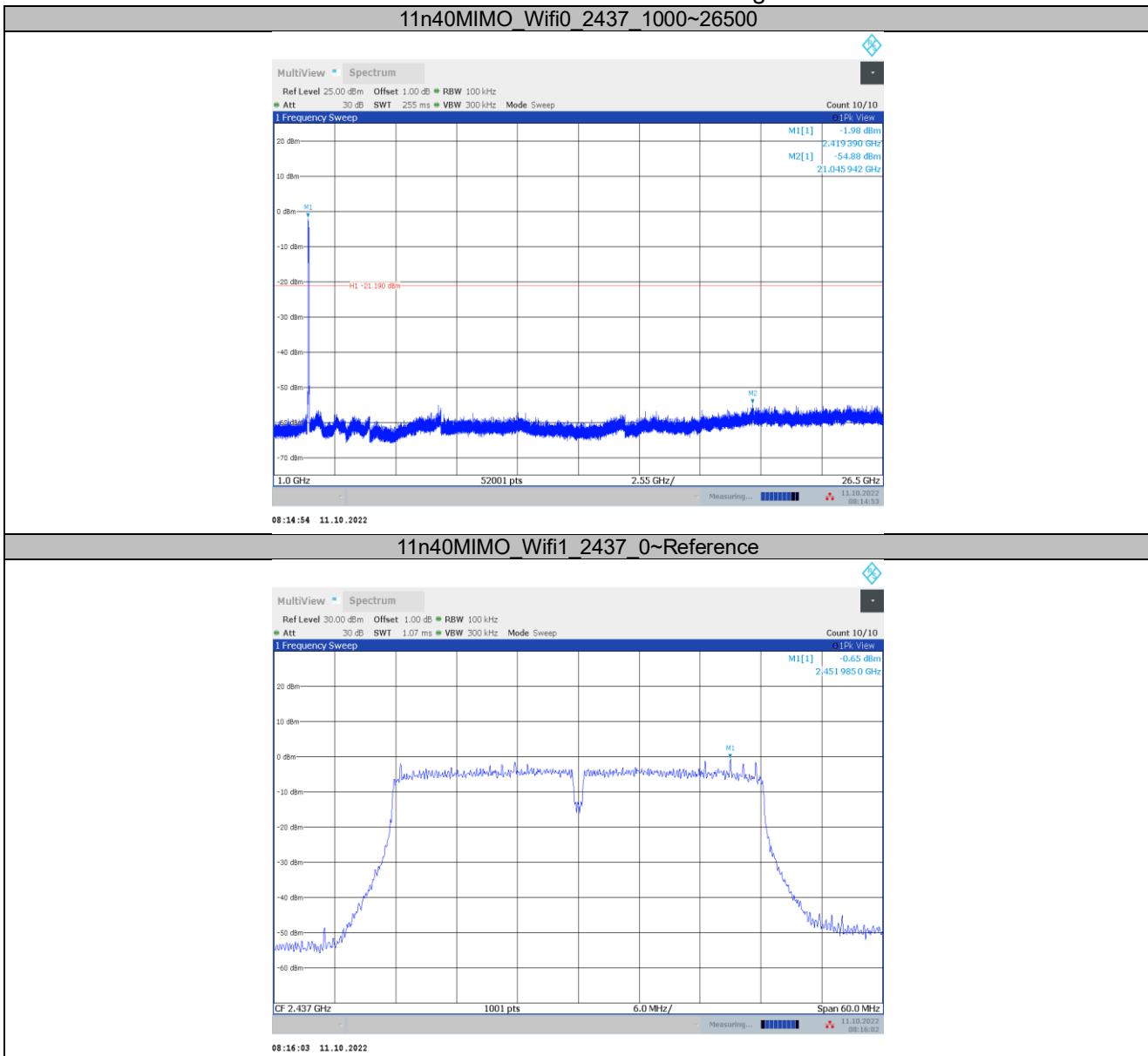


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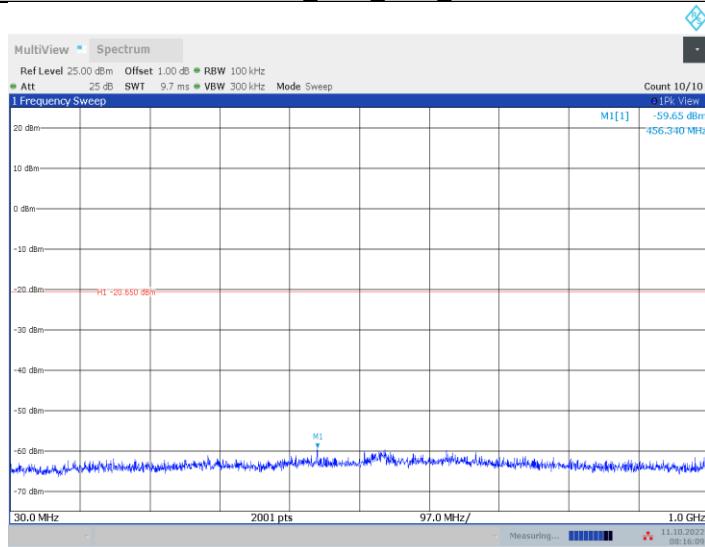
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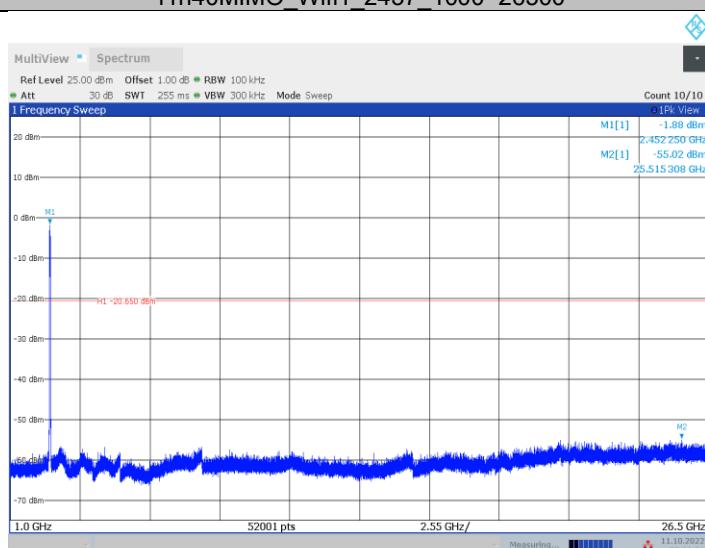
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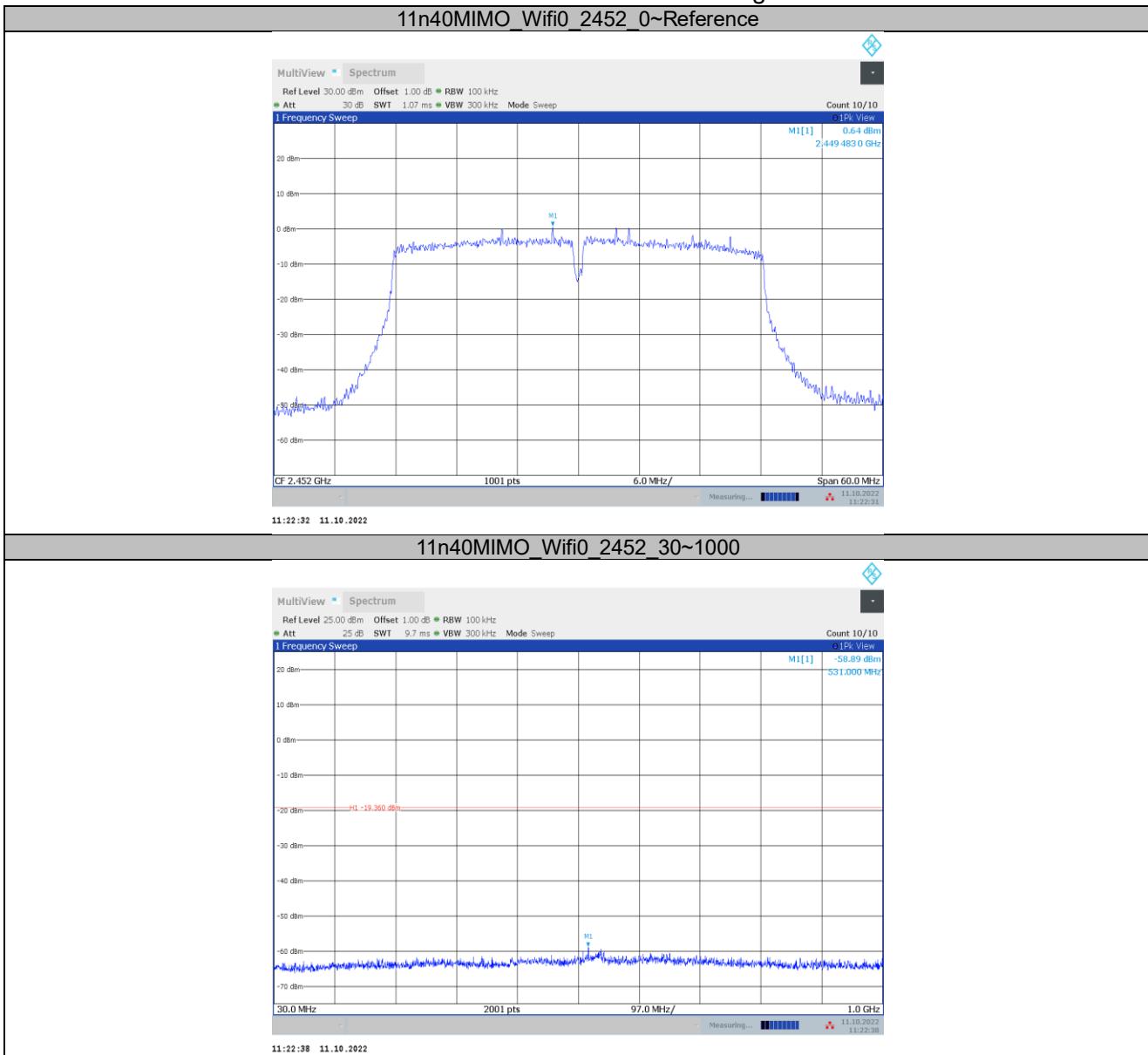


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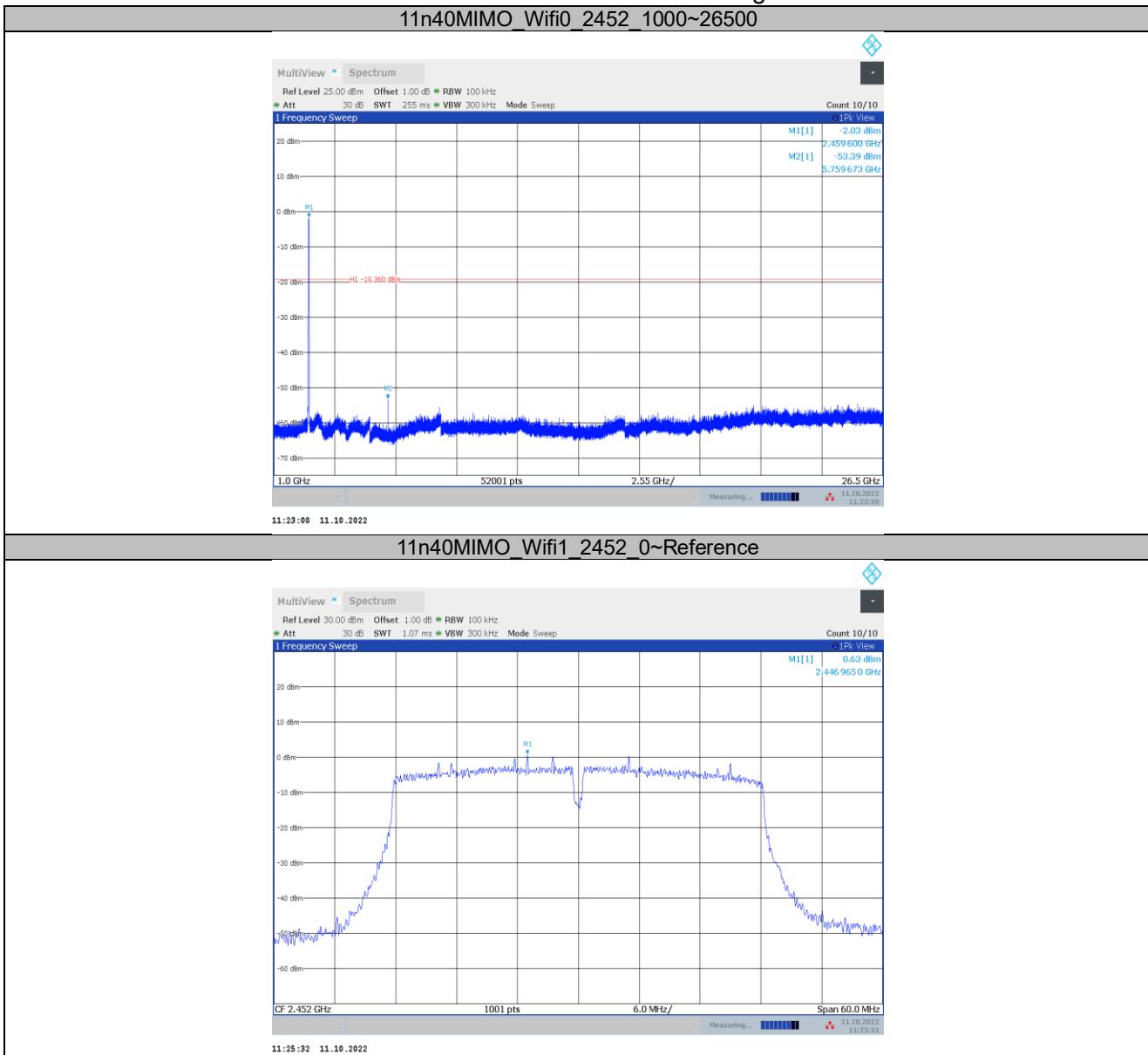


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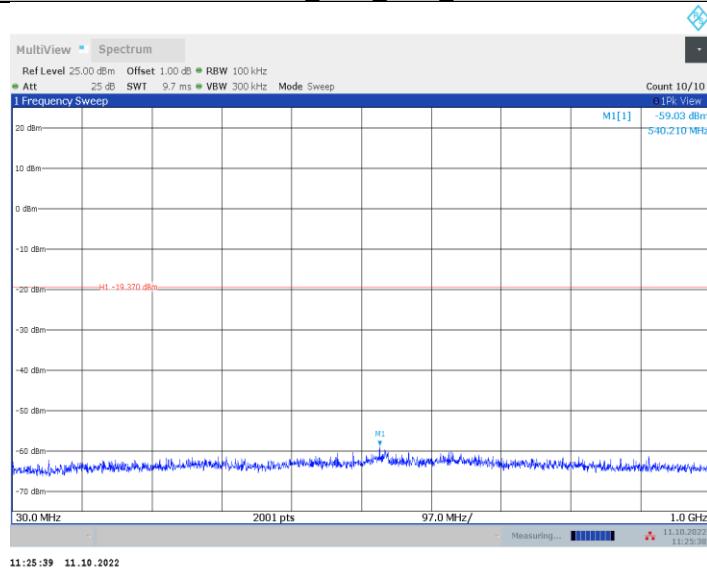
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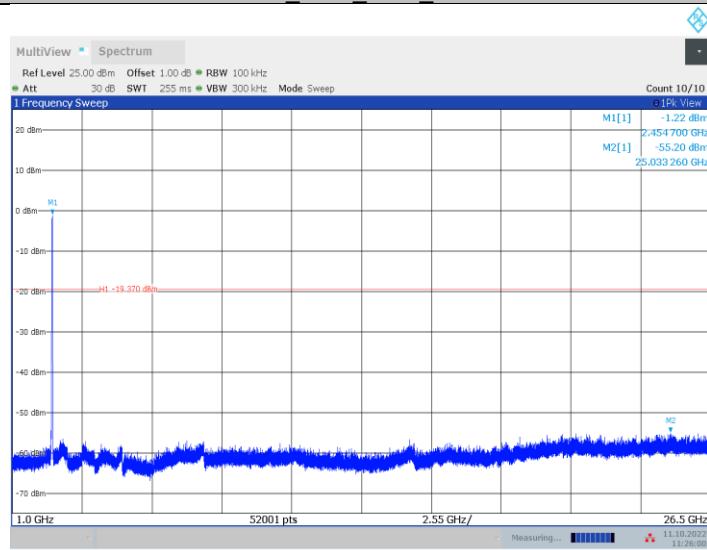
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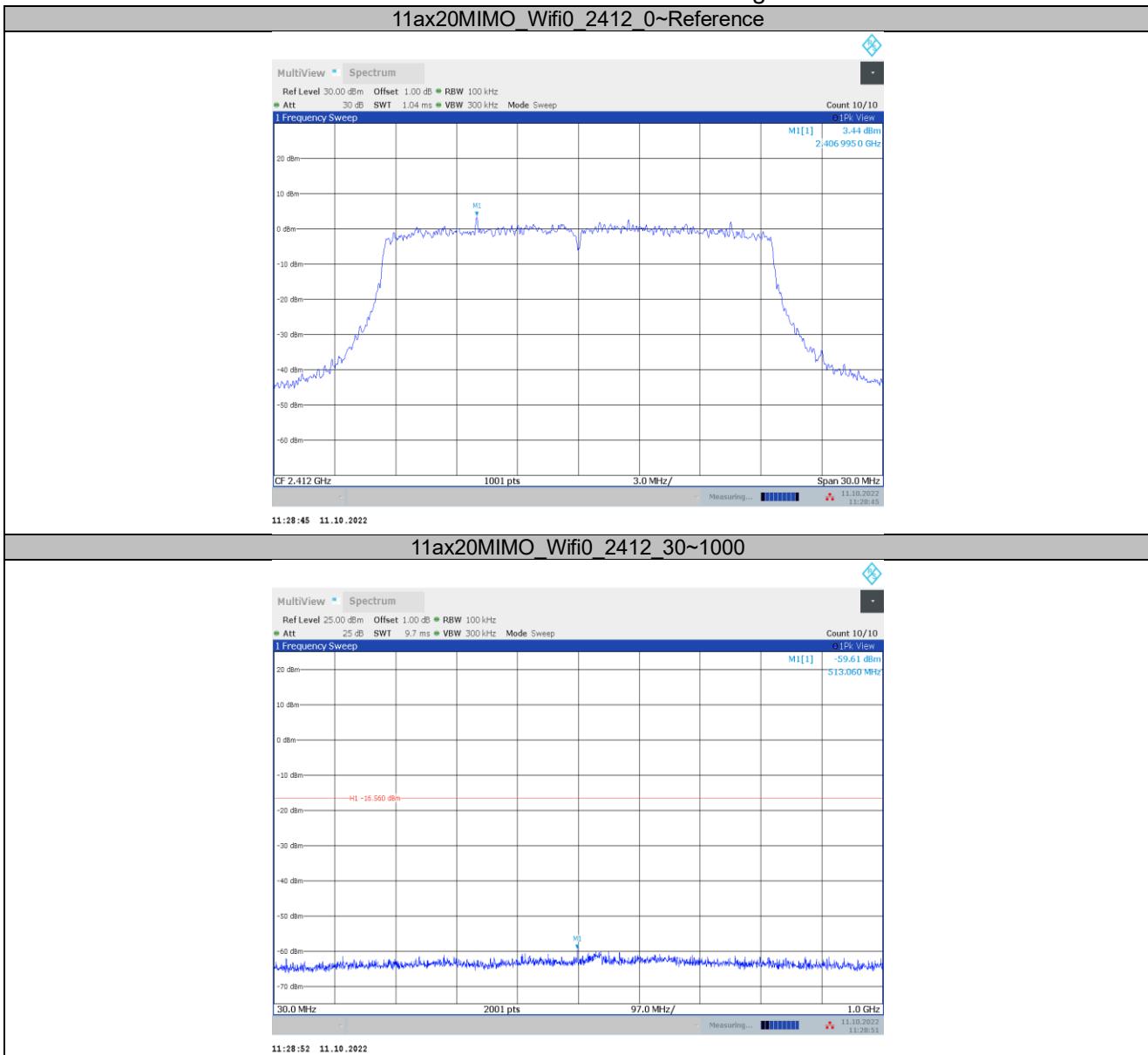


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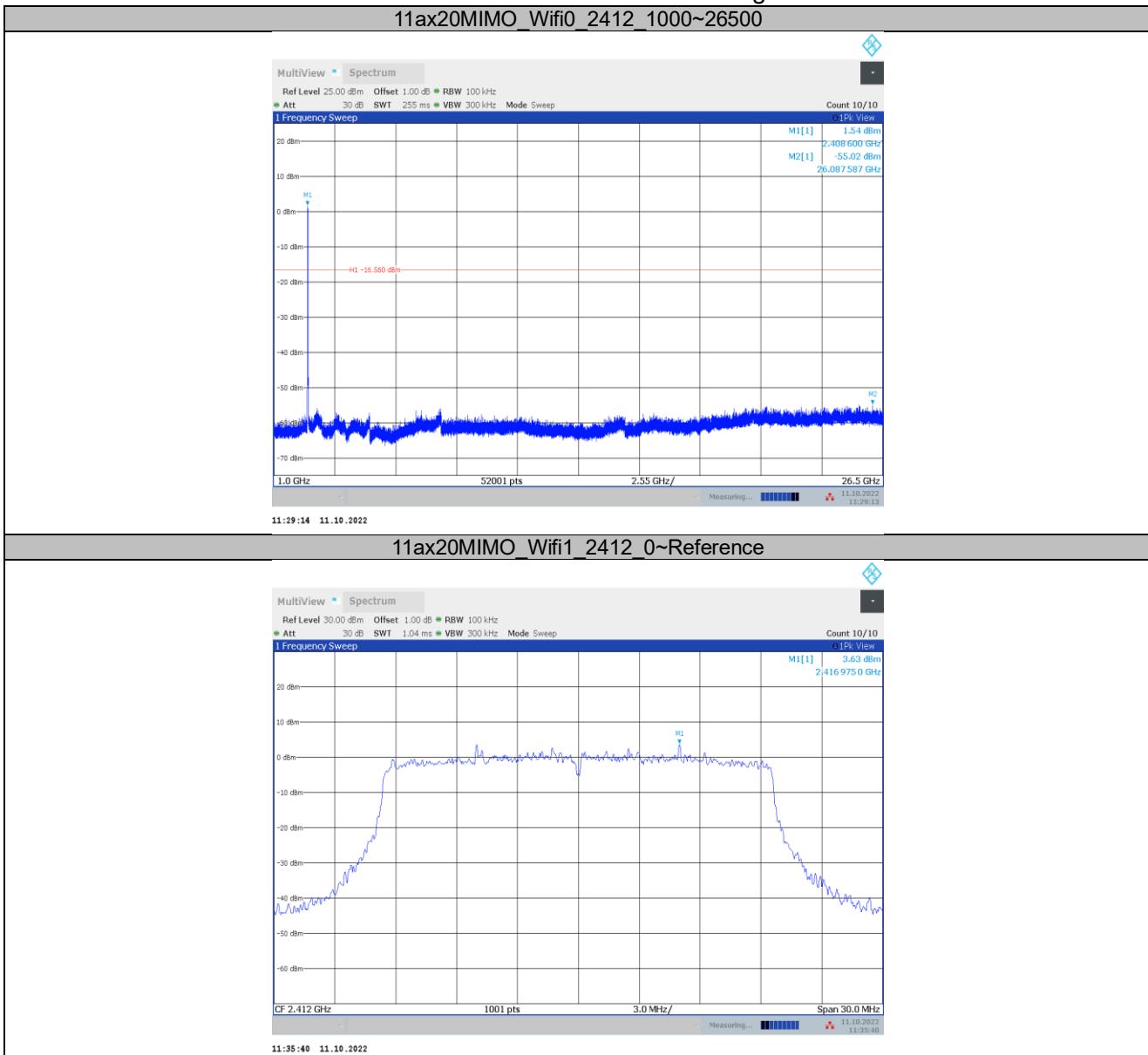


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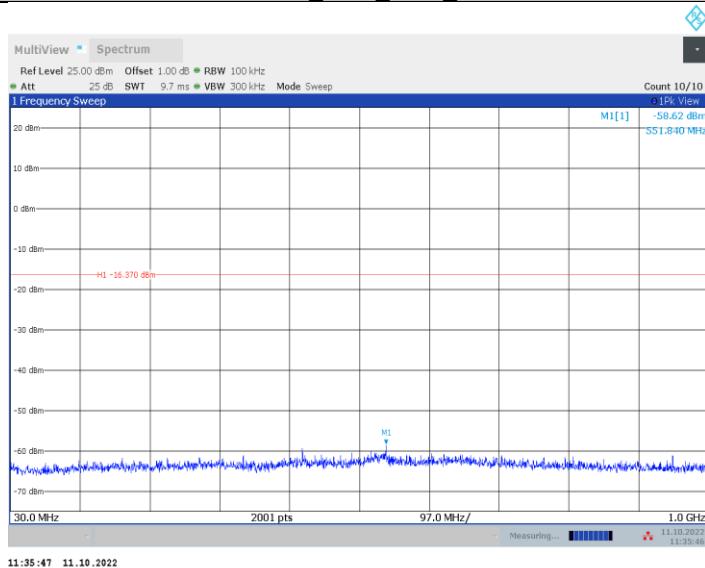
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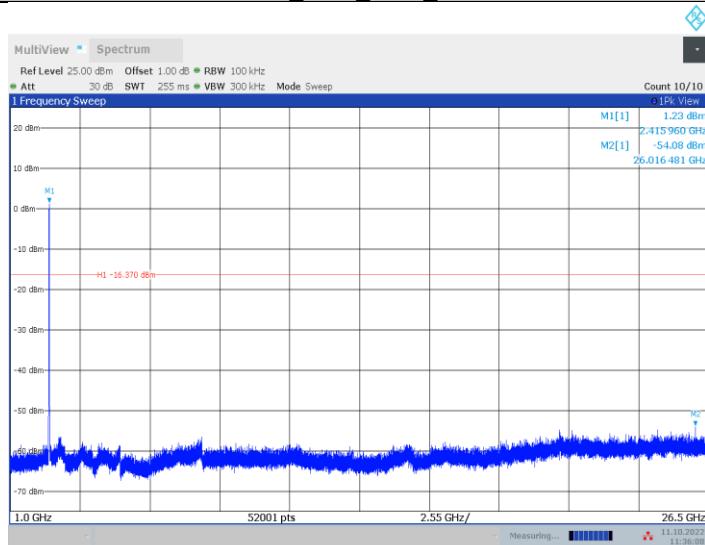
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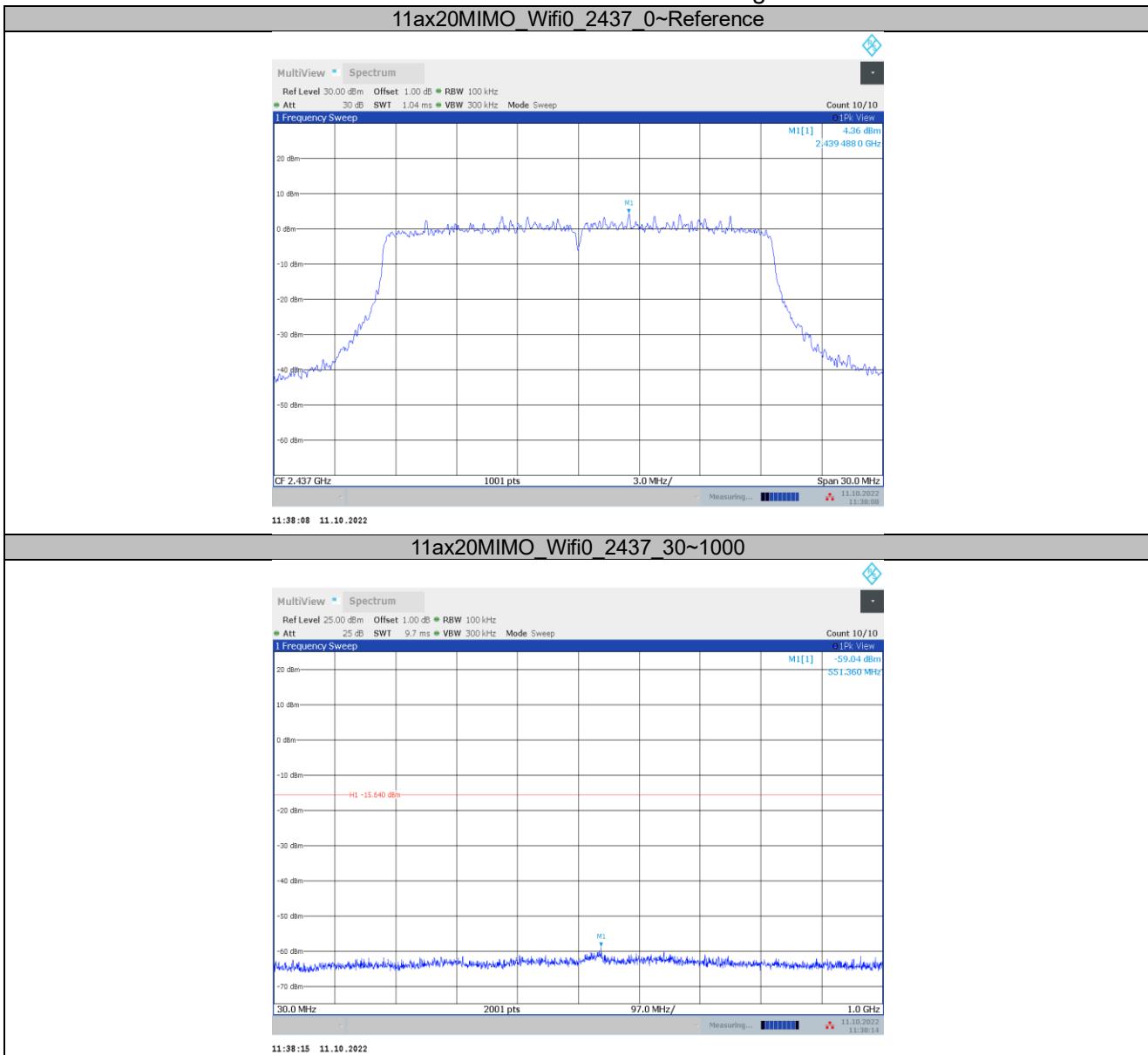


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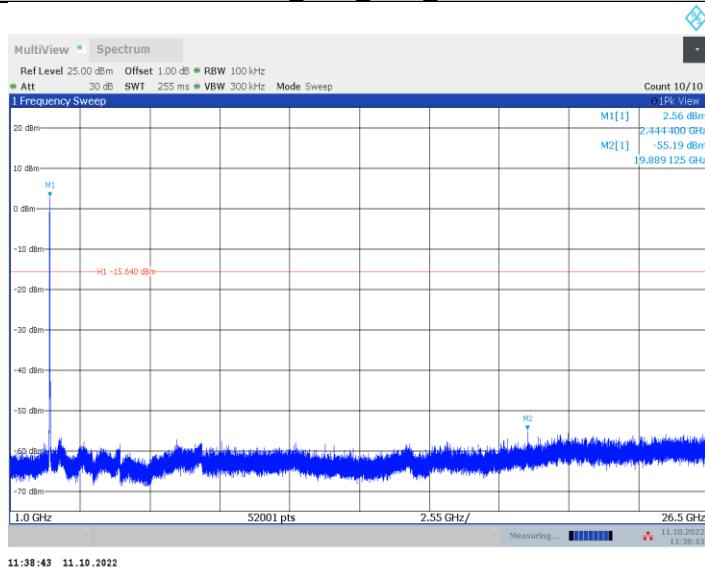
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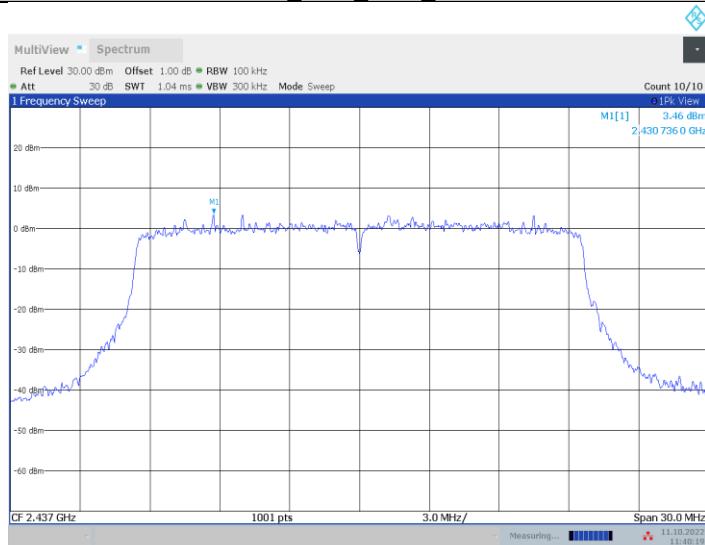
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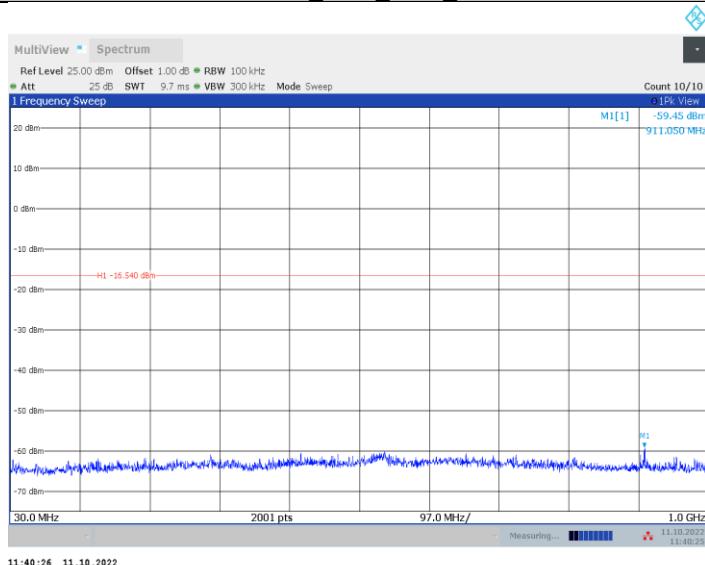
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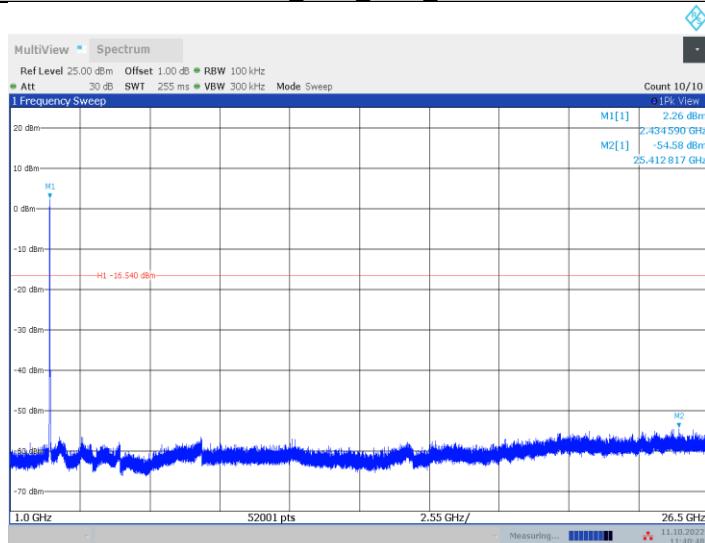
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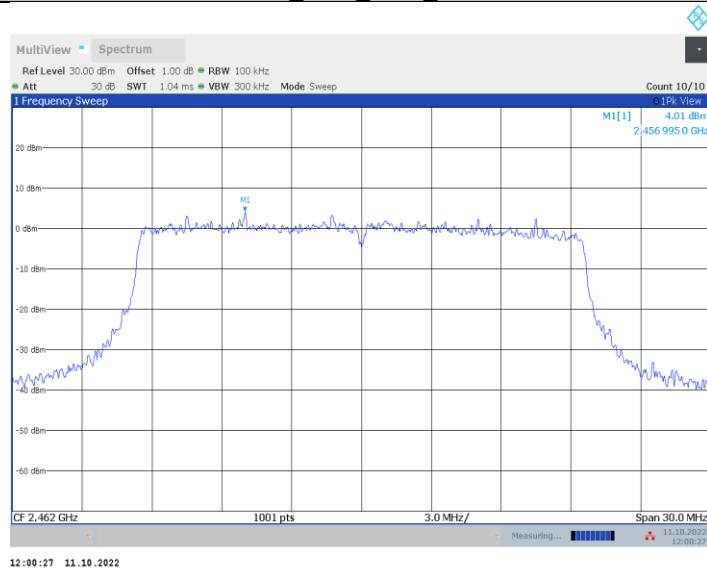
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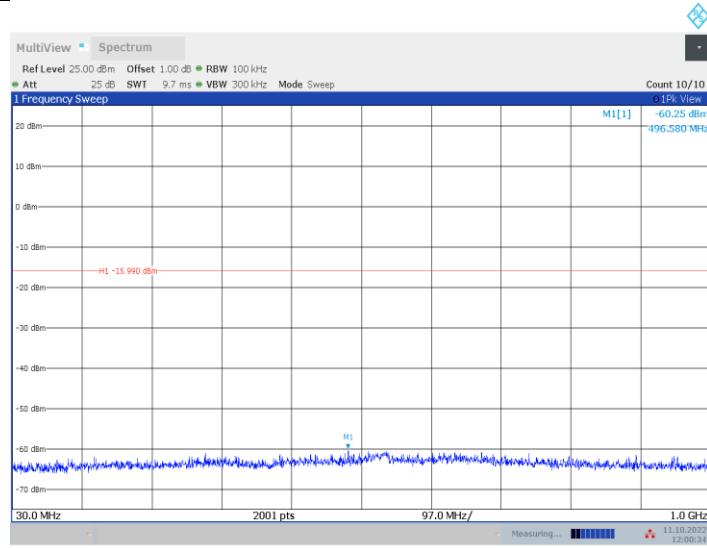
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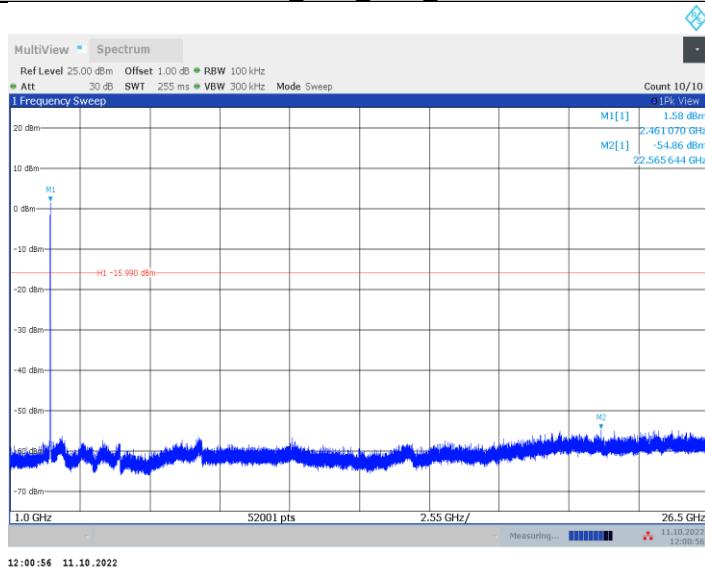
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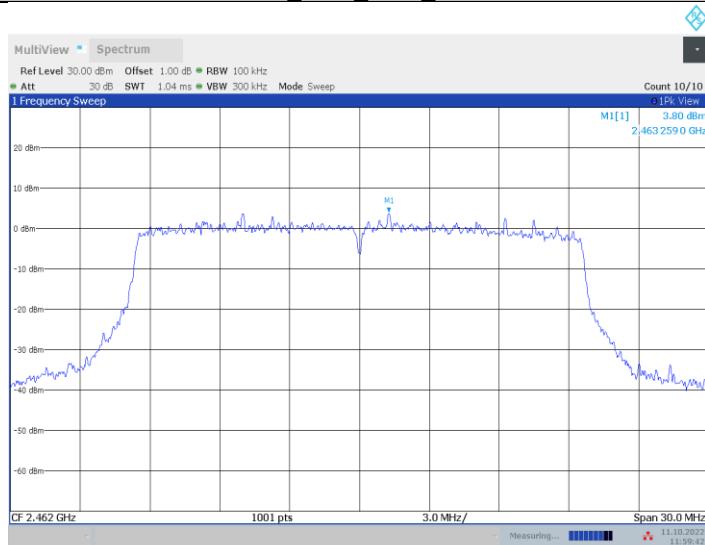
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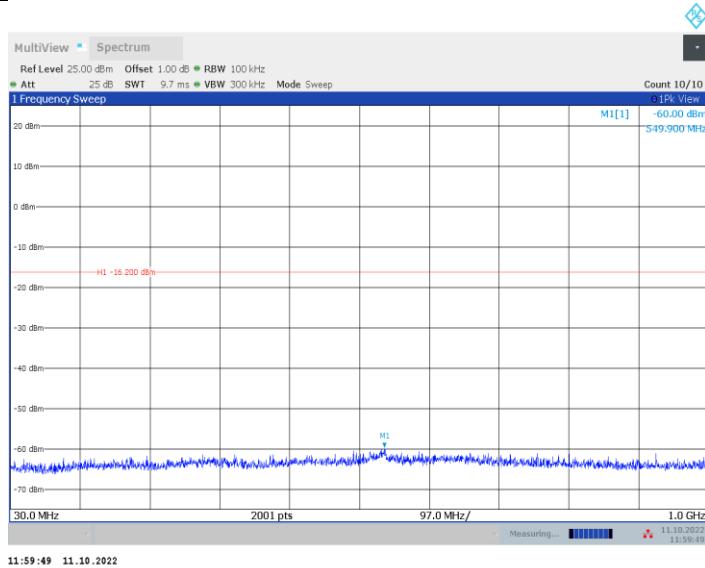
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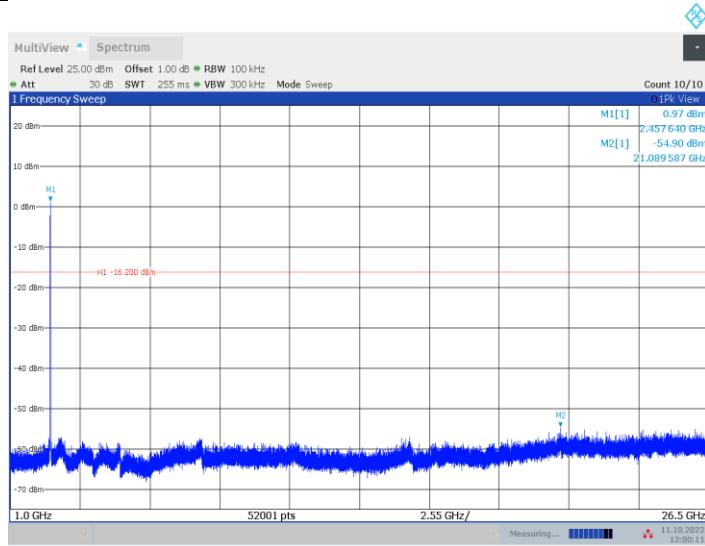
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11:59:49 11.10.2022

11ax20MIMO_Wifi1_2462_1000~26500



12:00:11 11.10.2022

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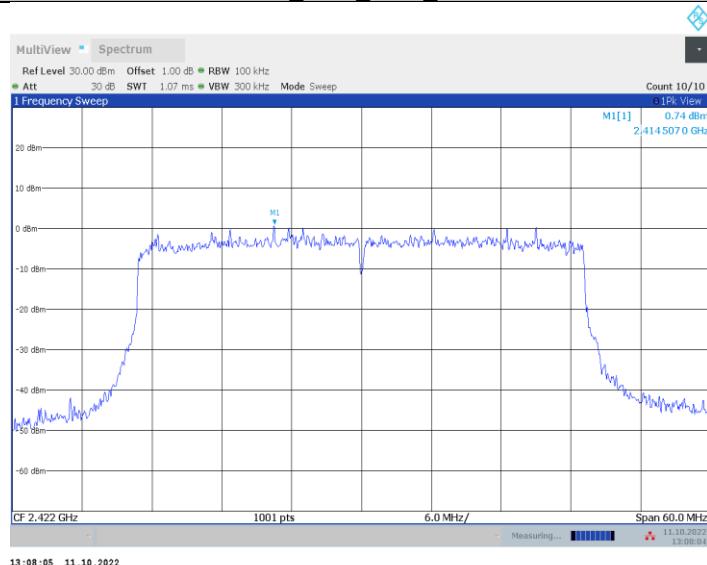
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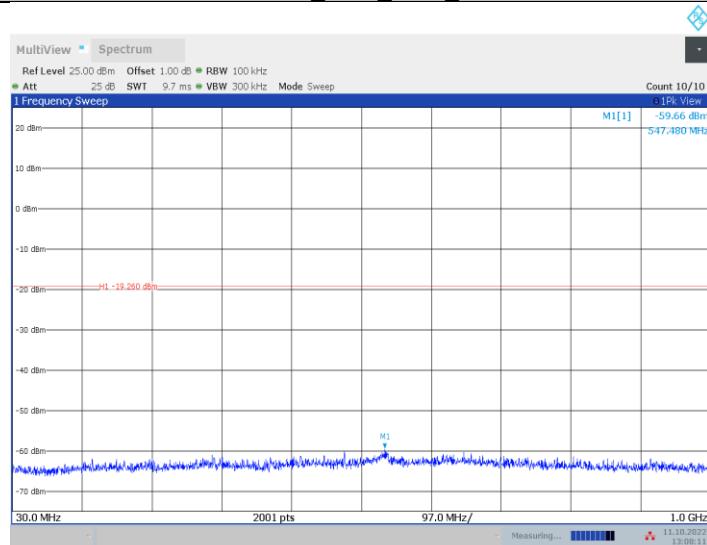
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11ax40MIMO_Wifi0_2422_0~Reference



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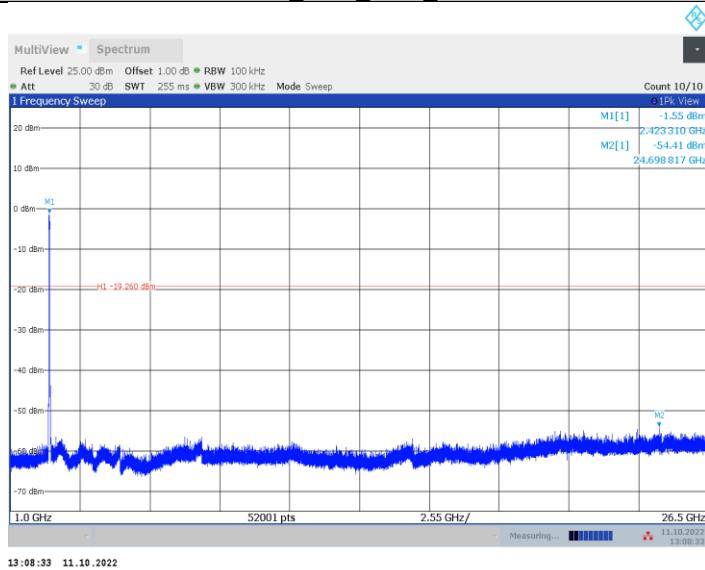
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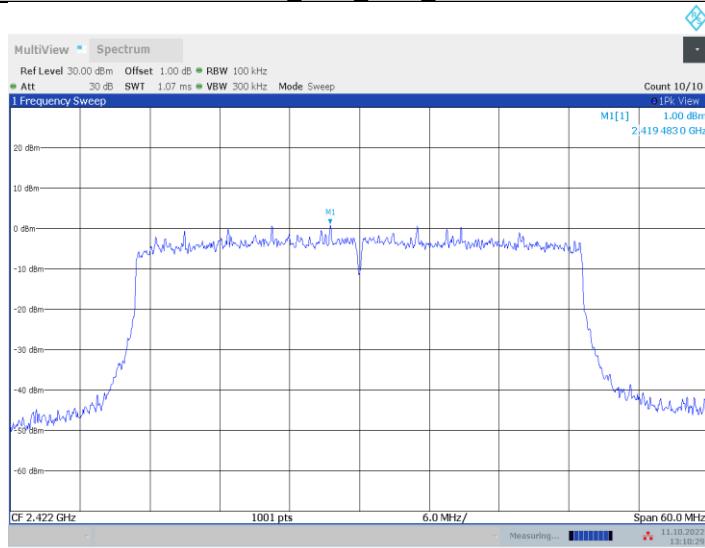
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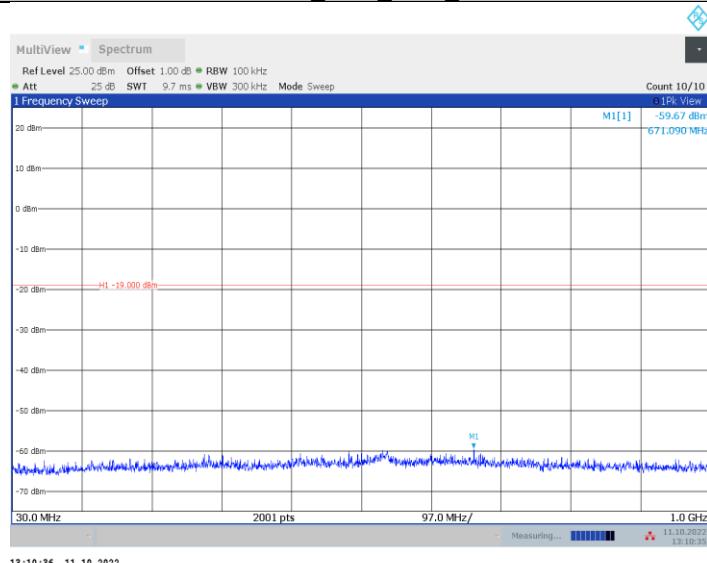
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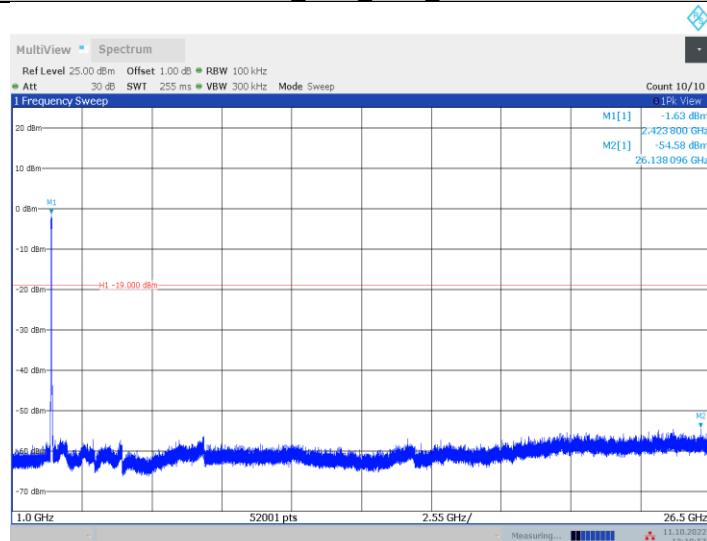
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11ax40MIMO_Wifi1_2422_30~1000



13:10:36 11.10.2022

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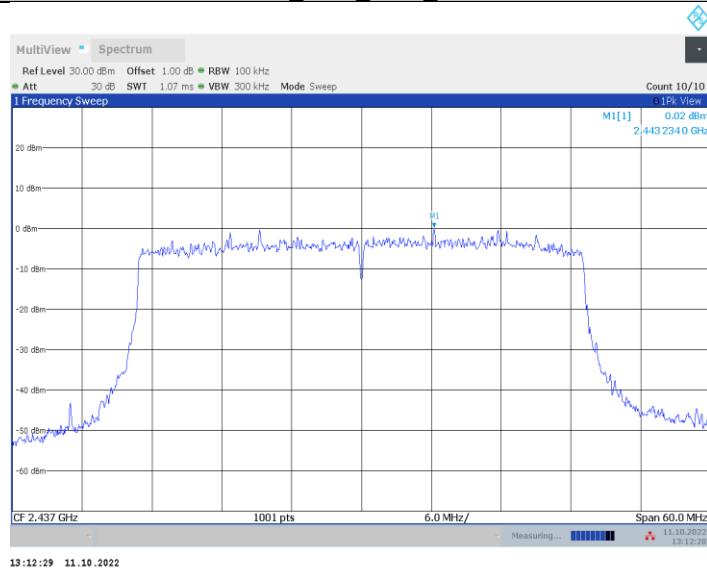
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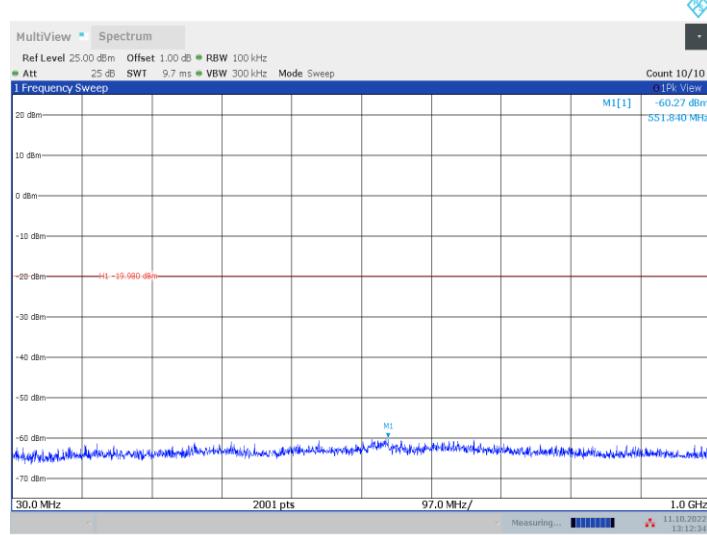
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11ax40MIMO_Wifi0_2437_0~Reference



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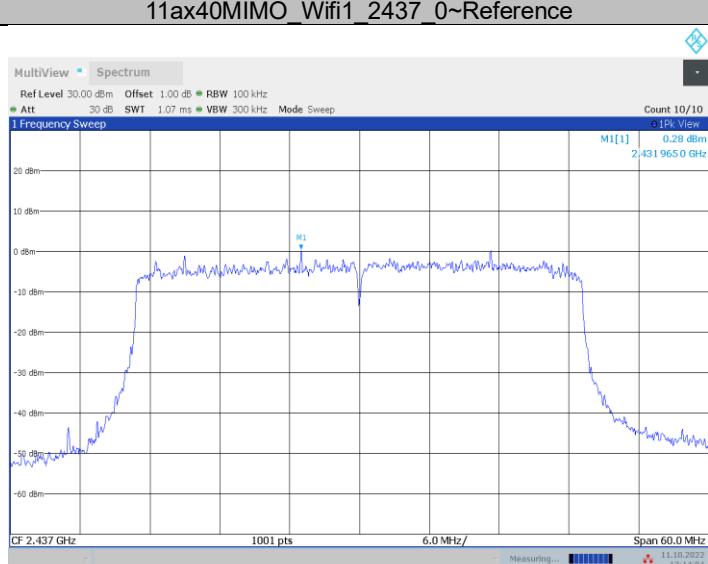
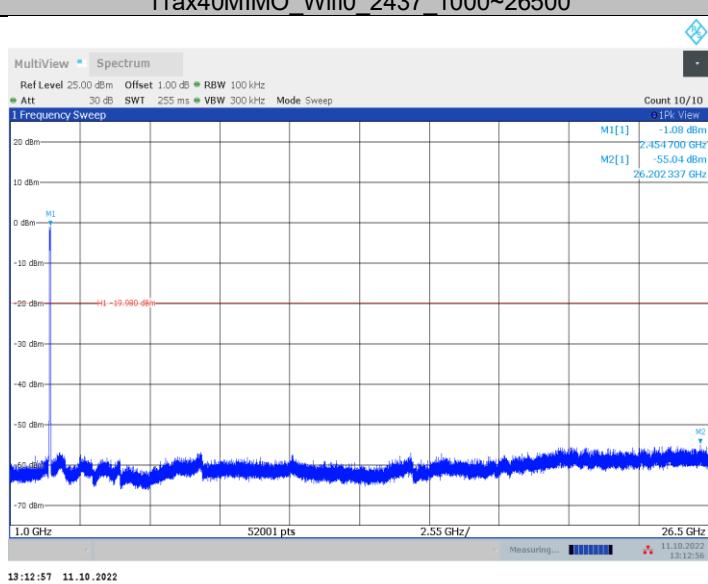


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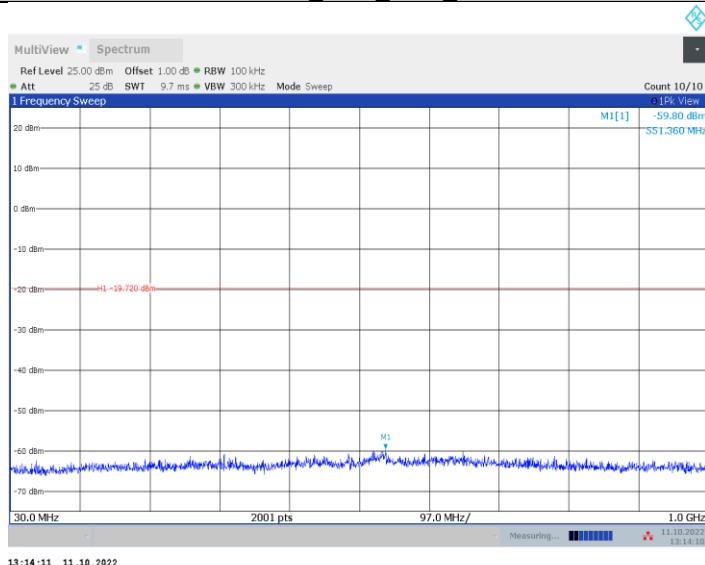
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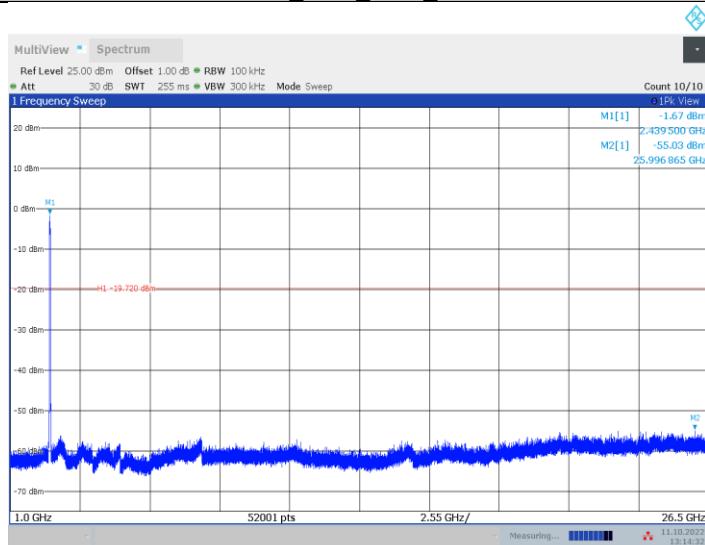
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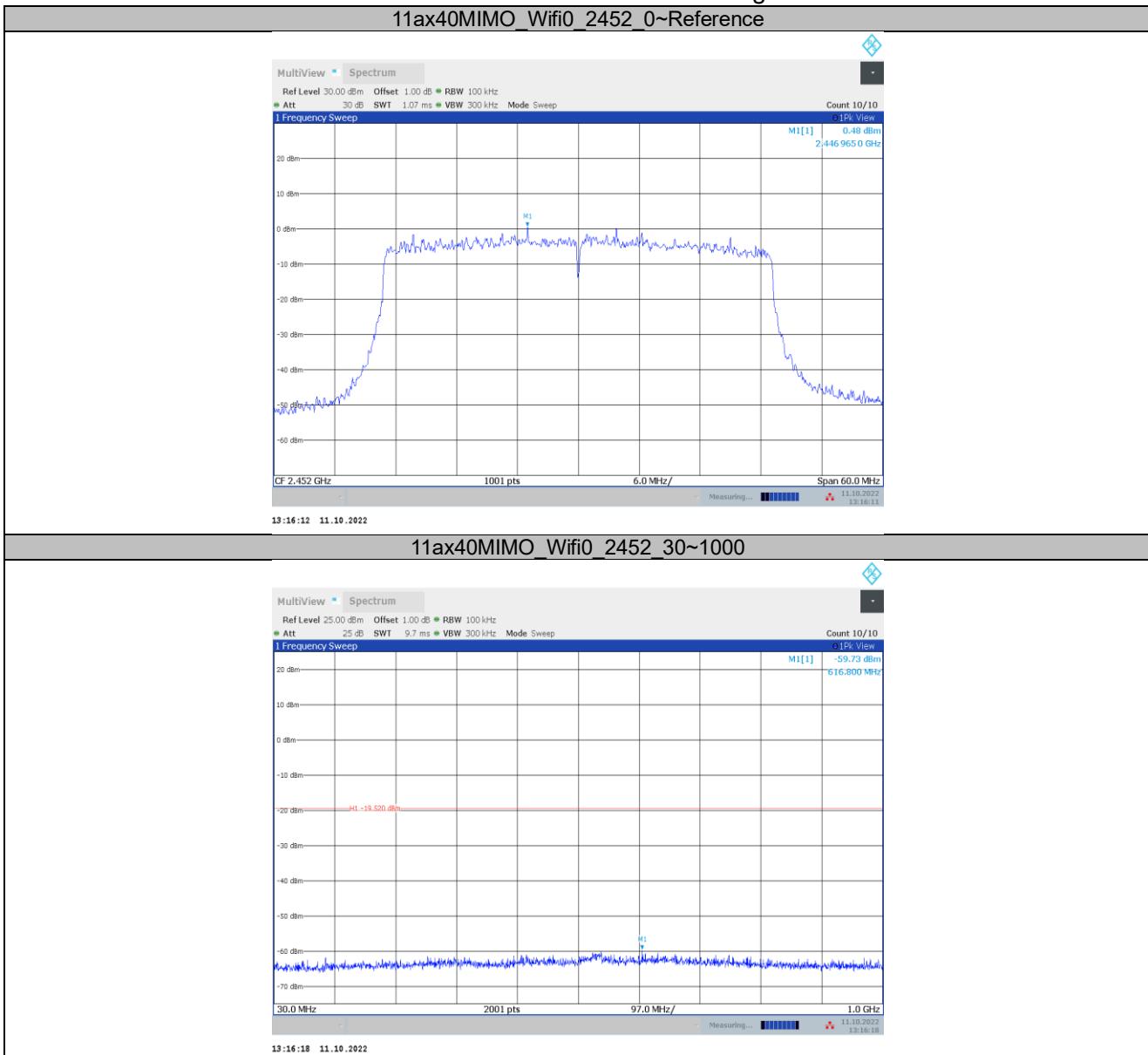


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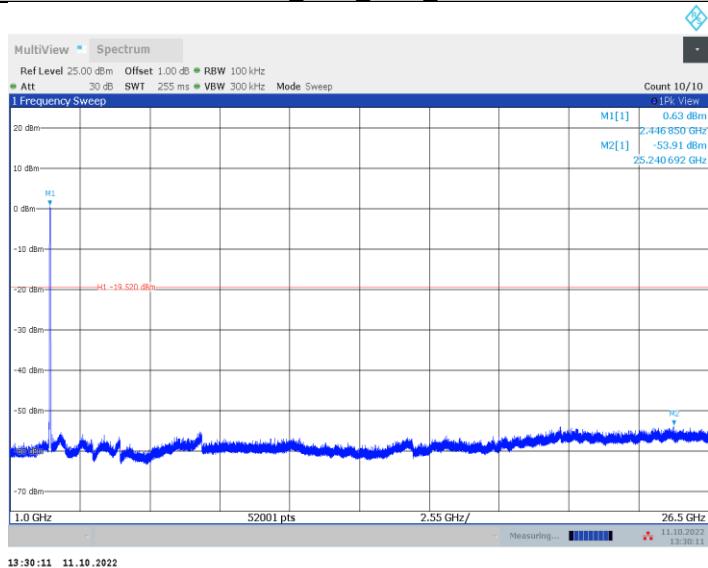
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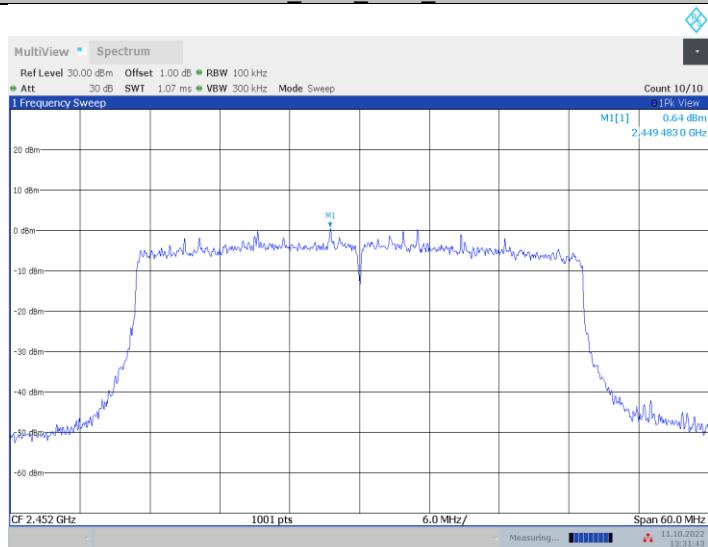
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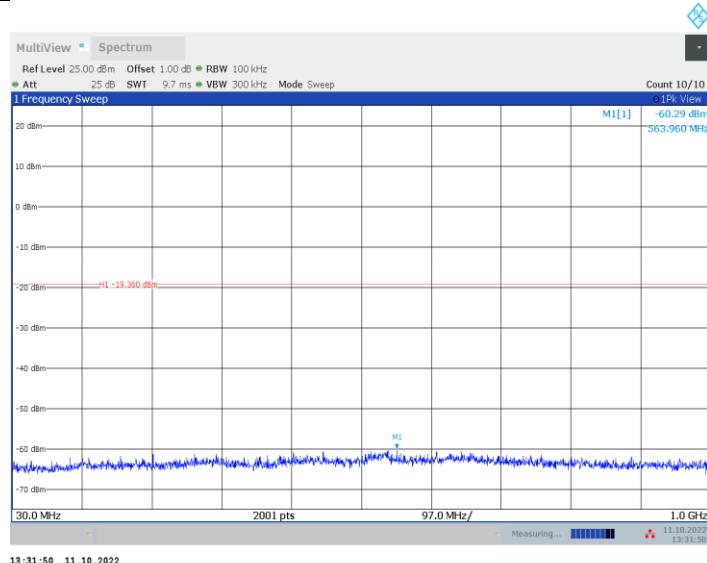
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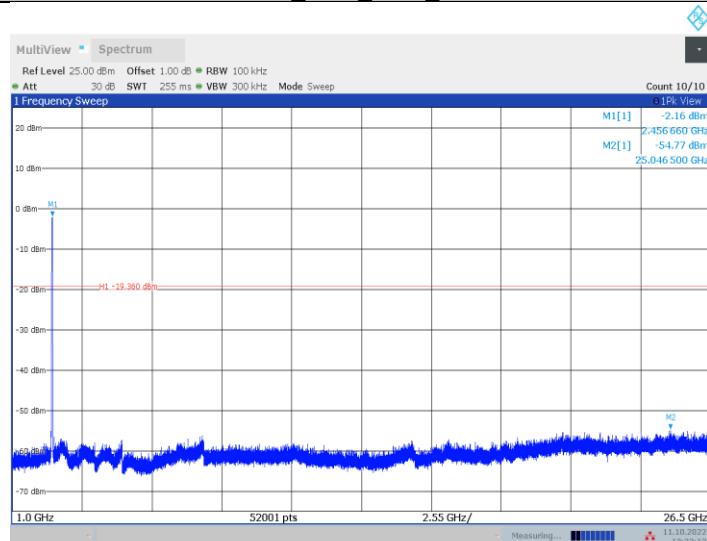
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Duty Cycle Test Result

TestMode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11b	Wifi0	2412	0.64	0.66	96.97
	Wifi1	2412	0.64	0.66	96.97
11g	Wifi0	2412	2.10	2.12	99.06
	Wifi1	2412	2.10	2.12	99.06
11n20MIMO	Wifi0	2412	5.43	5.45	99.63
	Wifi1	2412	5.43	5.45	99.63
11n40MIMO	Wifi0	2422	5.43	5.45	99.63
	Wifi1	2422	5.43	5.45	99.63
11ax20MIMO	Wifi0	2412	5.45	5.47	99.63
	Wifi1	2412	5.45	5.47	99.63
11ax40MIMO	Wifi0	2422	5.45	5.47	99.63
	Wifi1	2422	5.45	5.47	99.63

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AX Part RU Test Result

TestMode	Antenna	Frequency[MHz]	RuSize	RulIndex	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11ax20MIMO	Wifi0	2412	26Tone	RU0	5.08	5.12	99.22
			52Tone	RU37	5.06	5.10	99.22
			106Tone	RU53	4.77	4.80	99.38
	Wifi1	2412	26Tone	RU0	5.07	5.11	99.22
			52Tone	RU37	5.06	5.10	99.22
			106Tone	RU53	4.75	4.79	99.16
11ax40MIMO	Wifi0	2422	242Tone	RU61	2.73	2.76	98.91
	Wifi1	2422	242Tone	RU61	2.73	2.76	98.91

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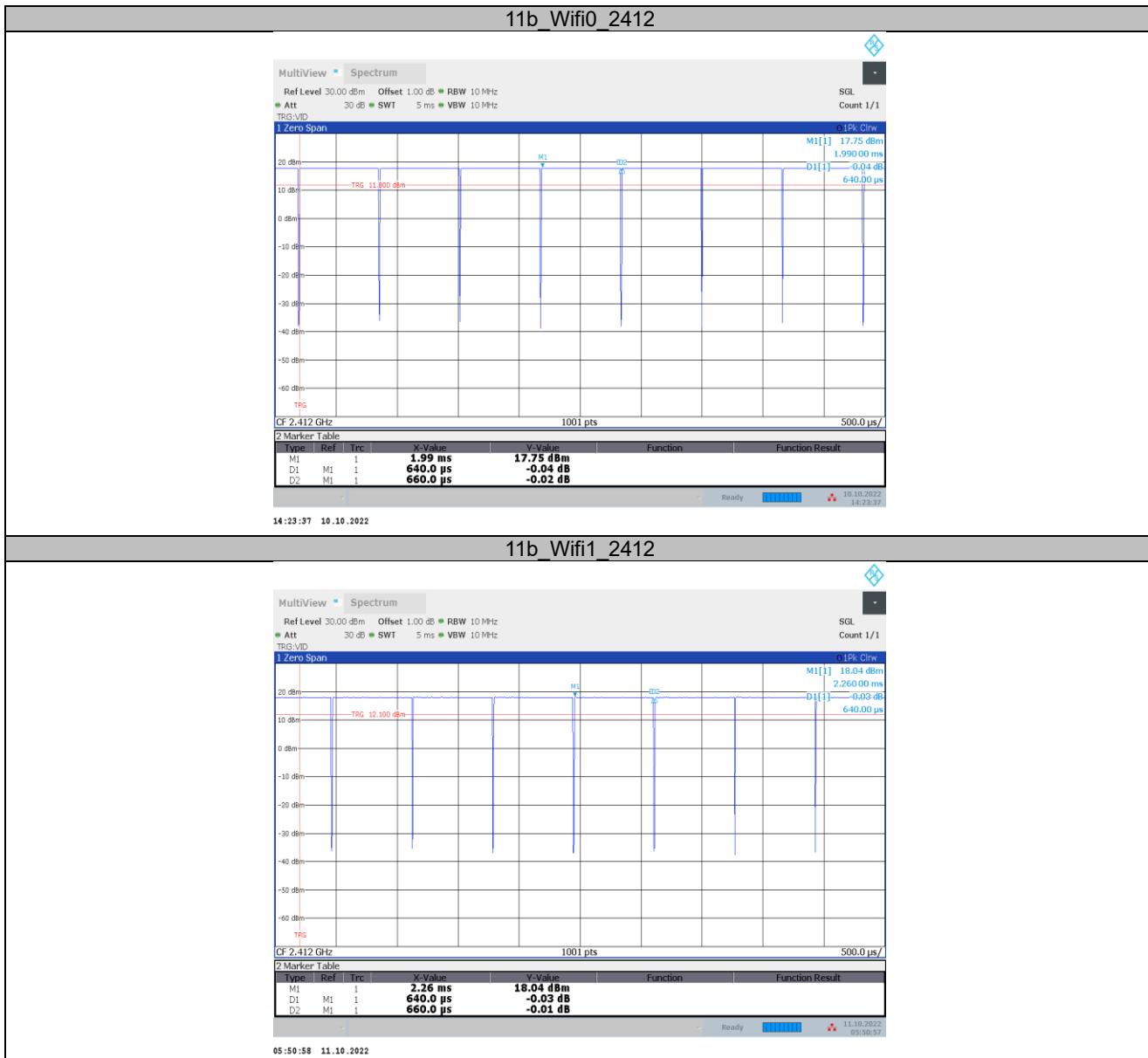
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Wireless Laboratory

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Test Graphs



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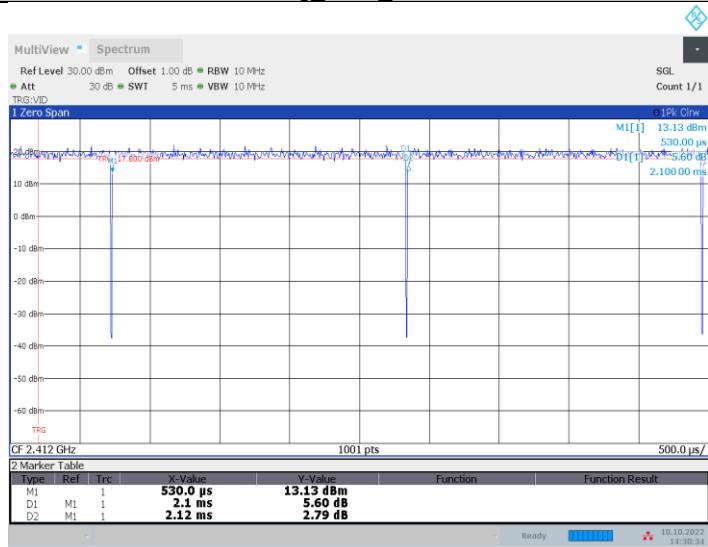
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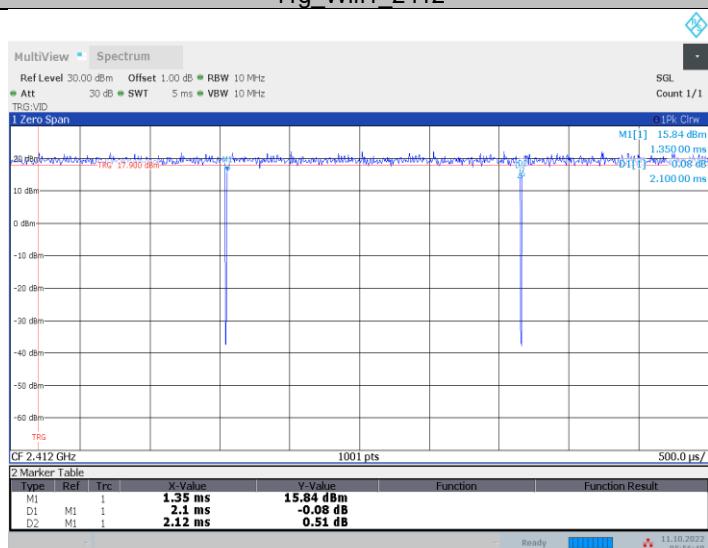
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11g_Wifi0_2412



11g_Wifi1_2412



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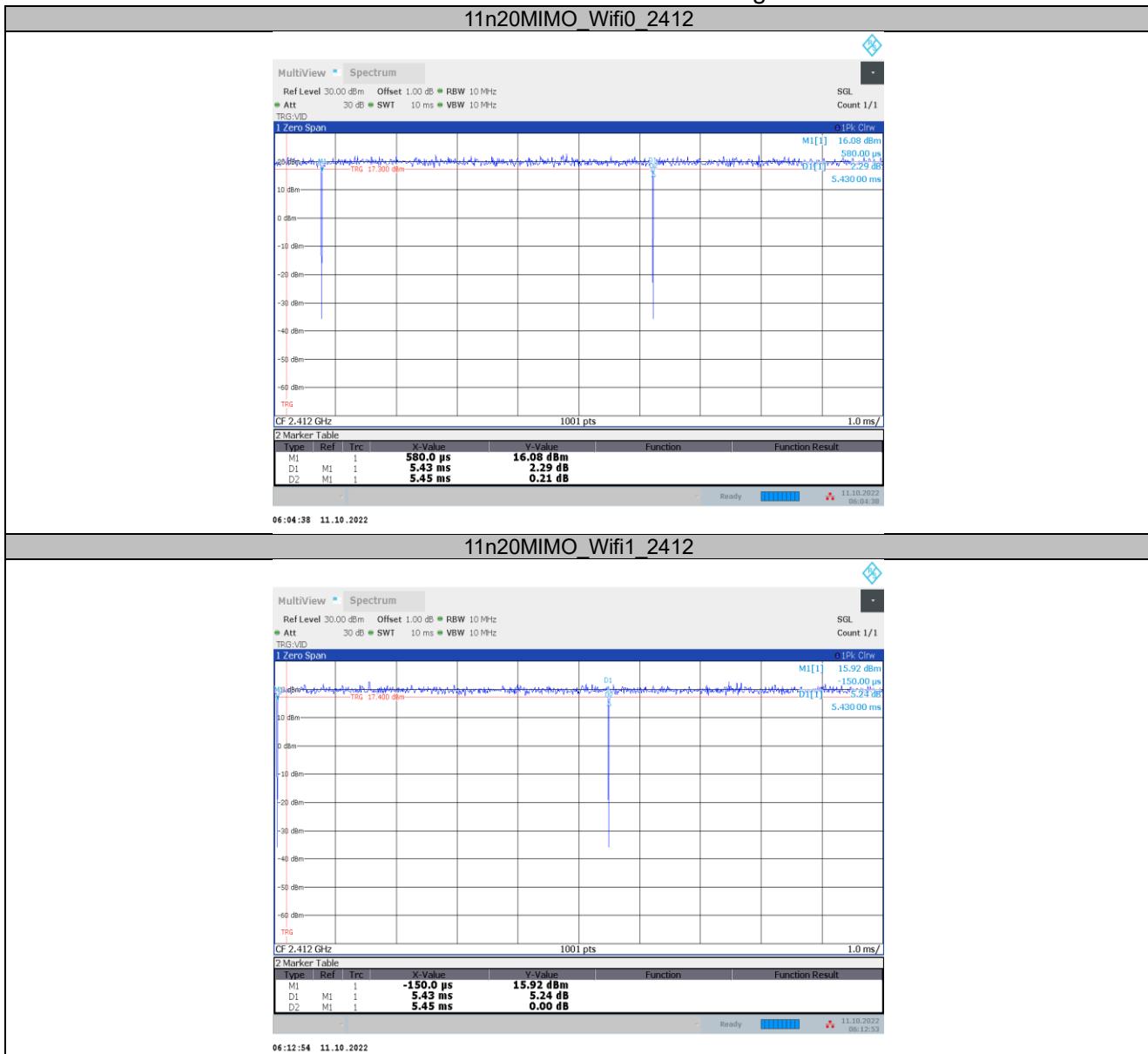


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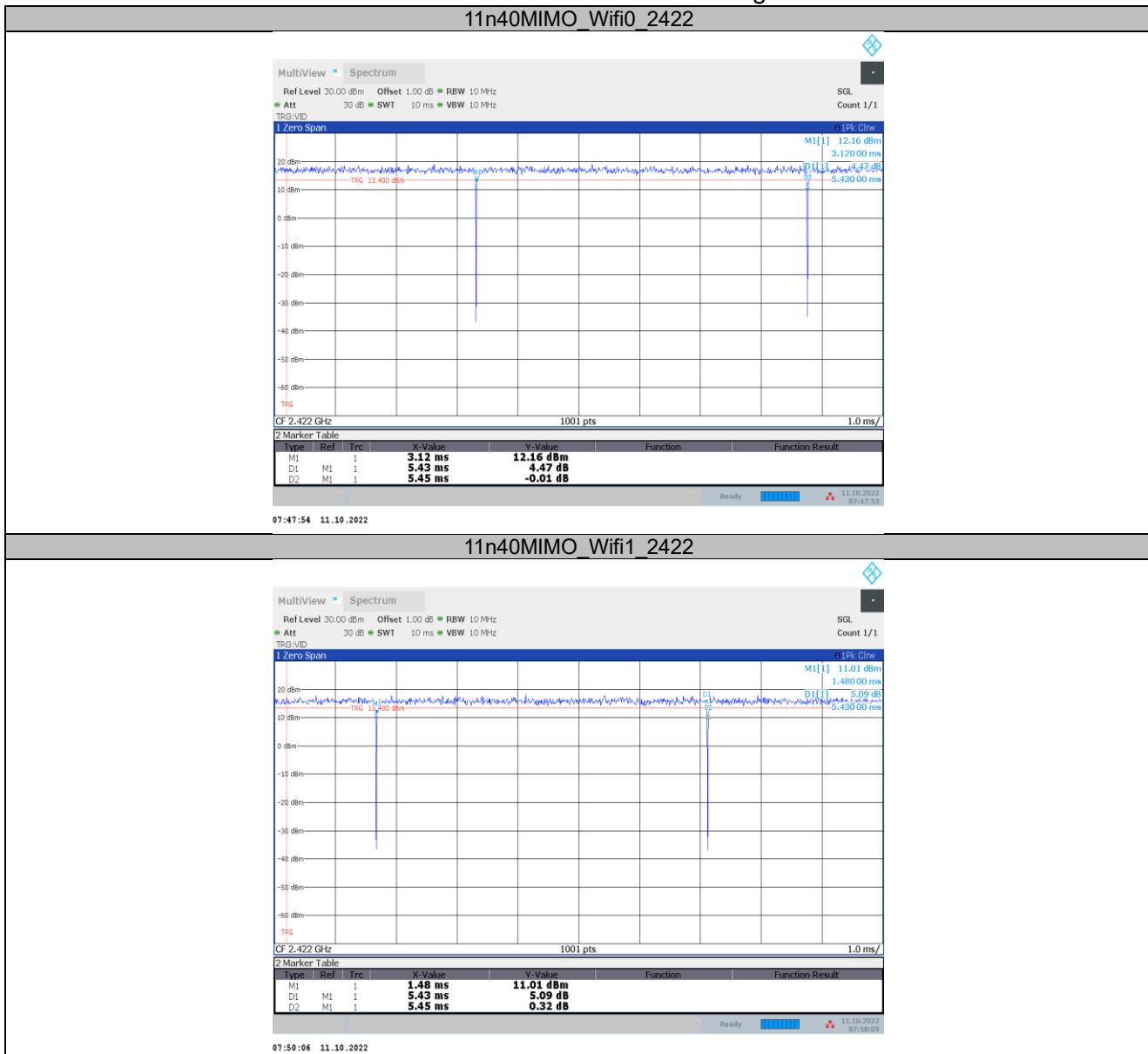


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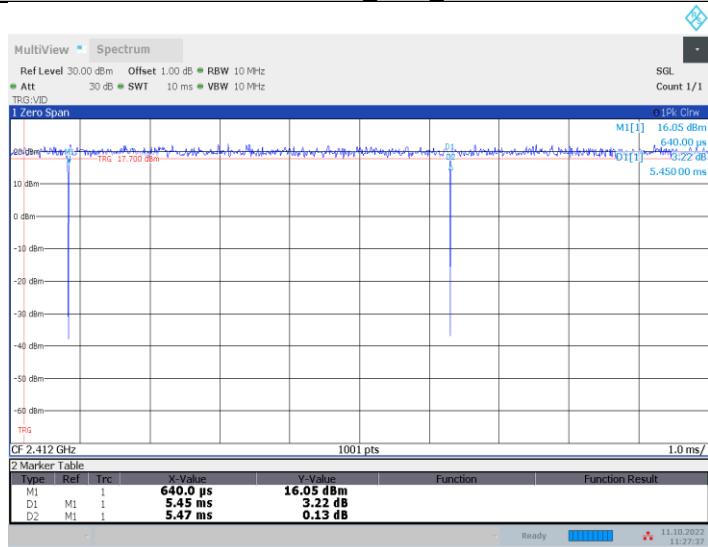
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11ax20MIMO_Wifi0_2412



11:27:37 11.10.2022

11ax20MIMO_Wifi1_2412



11:29:35 11.10.2022

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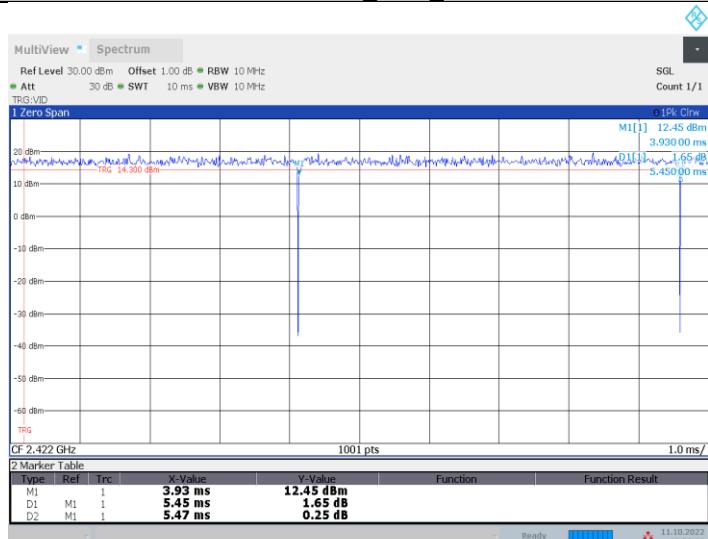
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11ax40MIMO_Wifi0_2422



13:06:17 11.10.2022

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13:09:20 11.10.2022

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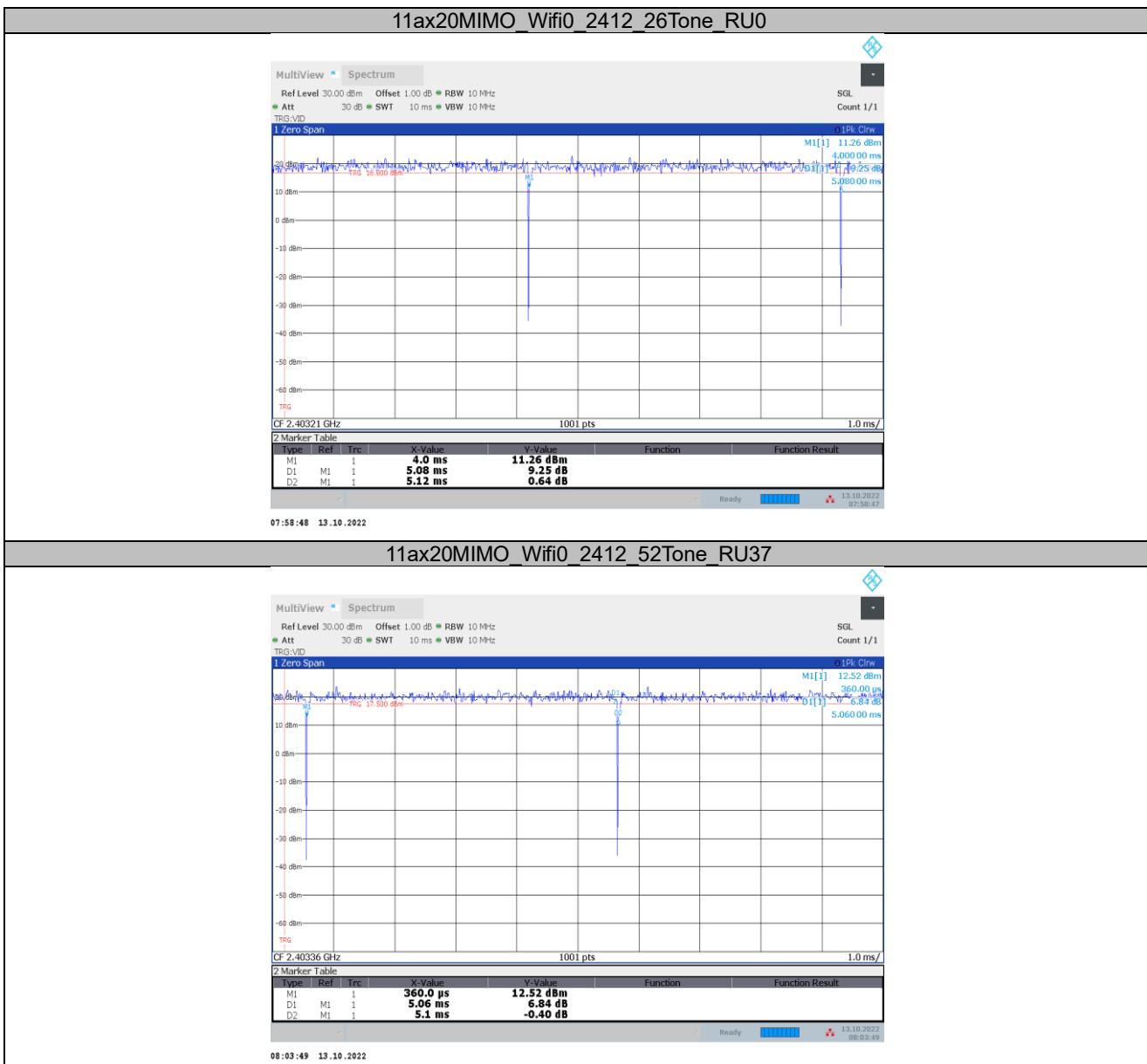
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AX Part RU Test Graphs



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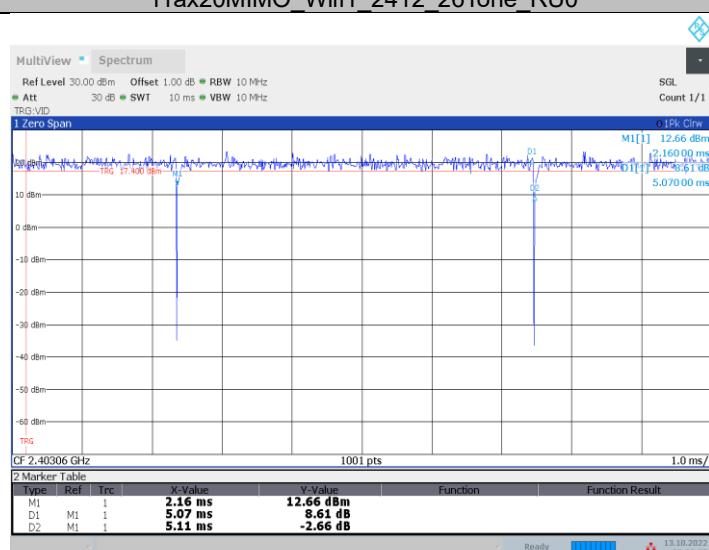
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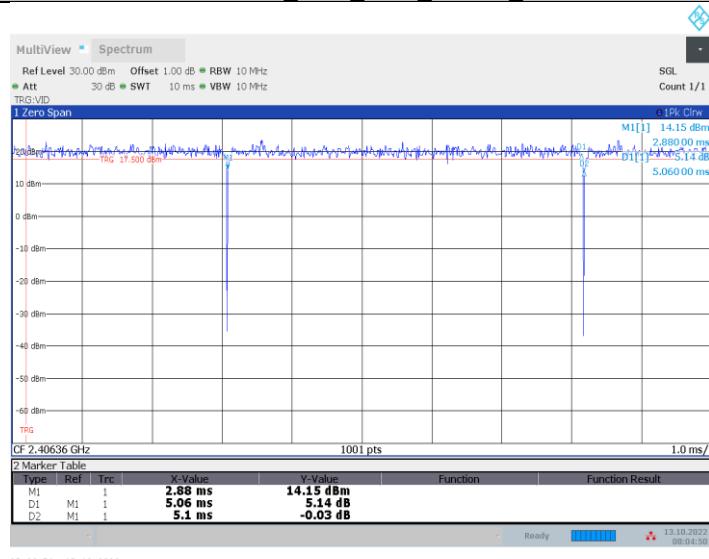
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11:49:30 13.10.2022

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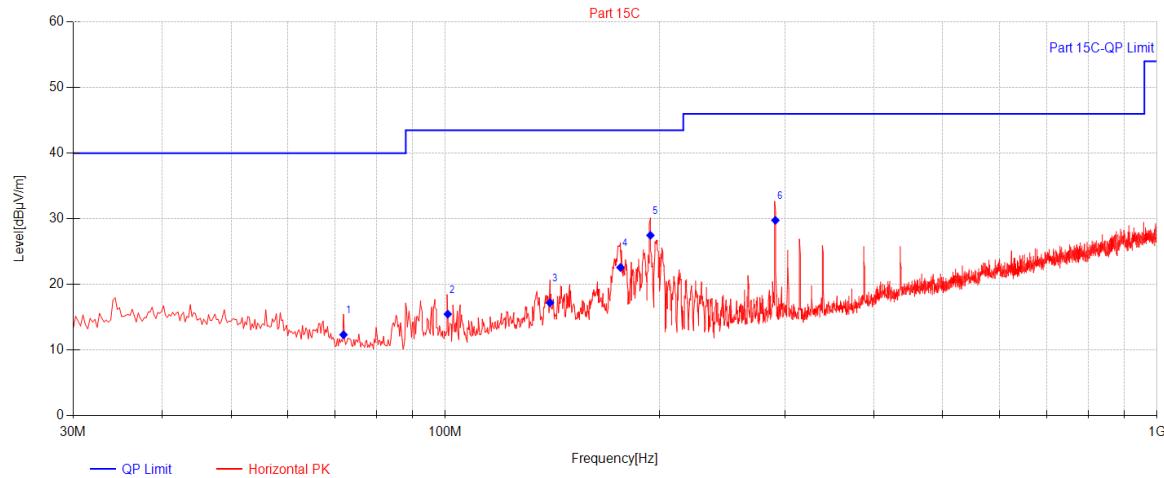
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Radiated Spurious Emissions

Radiated emission below 1GHz

Worst case Mode: 11ax40_Channel 09



Final Data List

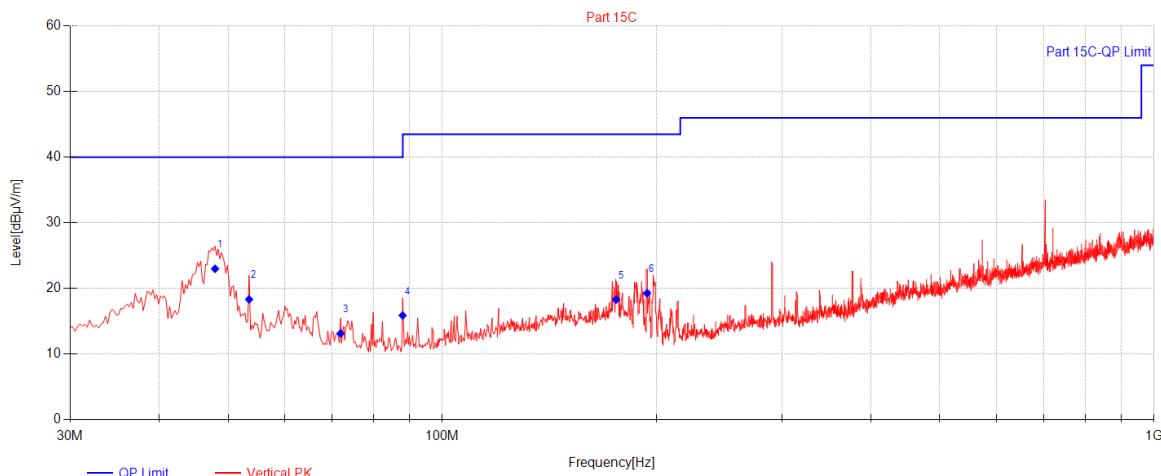
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF [dB/m]	QP Value [dBµV/m]	QP Limit [dBµV/m]	QP Margin [dB]	Height [cm]	Angle [°]	Polarity
1	71.9525	38.13	-36.35	10.52	12.31	40.00	27.69	216	139	Horizontal
2	100.81	41.02	-35.79	10.23	15.46	43.50	28.04	142	151	Horizontal
3	140.3375	39.22	-35.54	13.52	17.20	43.50	26.30	158	141	Horizontal
4	176.2275	43.19	-35.20	14.58	22.57	43.50	20.93	169	360	Horizontal
5	194.1725	51.49	-35.31	11.29	27.47	43.50	16.03	152	11	Horizontal
6	290.93	51.26	-34.08	12.58	29.76	46.00	16.24	135	2	Horizontal

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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	47.945	45.56	-36.17	13.59	22.98	40.00	17.02	218	176	Vertical
2	53.5225	41.29	-36.23	13.26	18.32	40.00	21.68	142	133	Vertical
3	71.9525	38.94	-36.35	10.52	13.12	40.00	26.88	136	102	Vertical
4	87.9575	42.72	-36.27	9.41	15.86	40.00	24.14	185	10	Vertical
5	175.5	38.92	-35.19	14.56	18.29	43.50	25.21	145	28	Vertical
6	193.93	42.93	-35.32	11.35	N/A	43.50	N/A	269	59	Vertical

Remark:

- 1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier gain. The basic equation with a sample calculation is as follows:

$$\text{Value} = \text{Reading(dBμV)} + \text{AF(dB/m)} + \text{Factor(dB)}$$

$$\text{AF} = \text{Antenna Factor(dB/m)}$$

$$\text{Factor} = \text{Cable Factor(dB)} - \text{Preamplifier gain(dB)}$$

$$\text{Margin} = \text{Limit(dBμV/m)} - \text{Value(dBμV/m)}$$
- 2) All channels have been tested, but only the worst case data displayed in this report.

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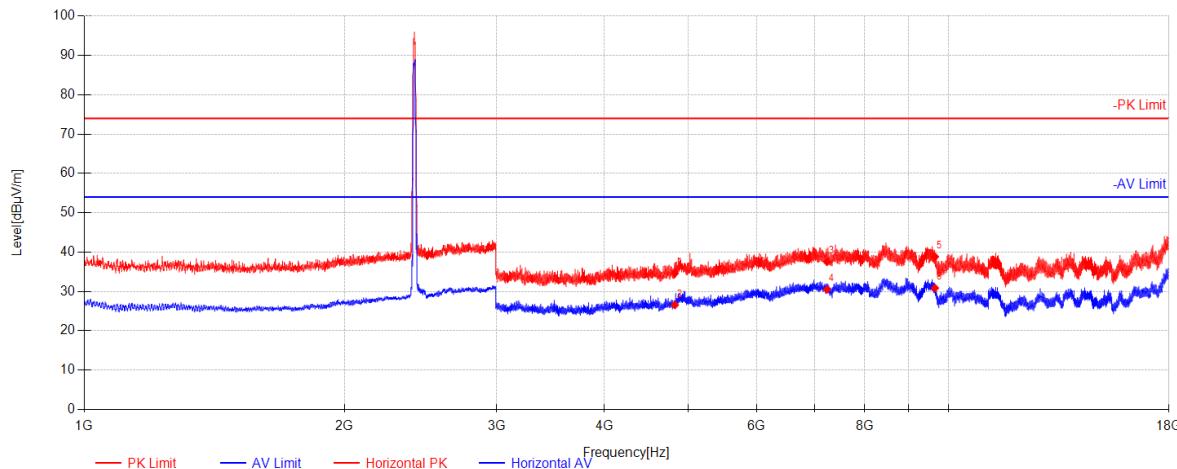
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Transmitter emission Above 1GHz

802.11b_Channel 01 SISO1



Final 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	4824.0000	47.80	32.39	-45.54	34.65	74.00	39.35	145	0	Horizontal
2	4824.0000	39.71	32.39	-45.54	26.56	54.00	27.44	126	23	Horizontal
3	7236.0000	44.50	36.58	-43.54	37.54	74.00	36.46	215	136	Horizontal
4	7236.0000	37.45	36.58	-43.54	30.49	54.00	23.51	196	356	Horizontal
5	9648.0000	40.00	38.39	-39.56	38.83	74.00	35.17	236	1	Horizontal
6	9648.0000	32.03	38.39	-39.56	30.86	54.00	23.14	184	53	Horizontal

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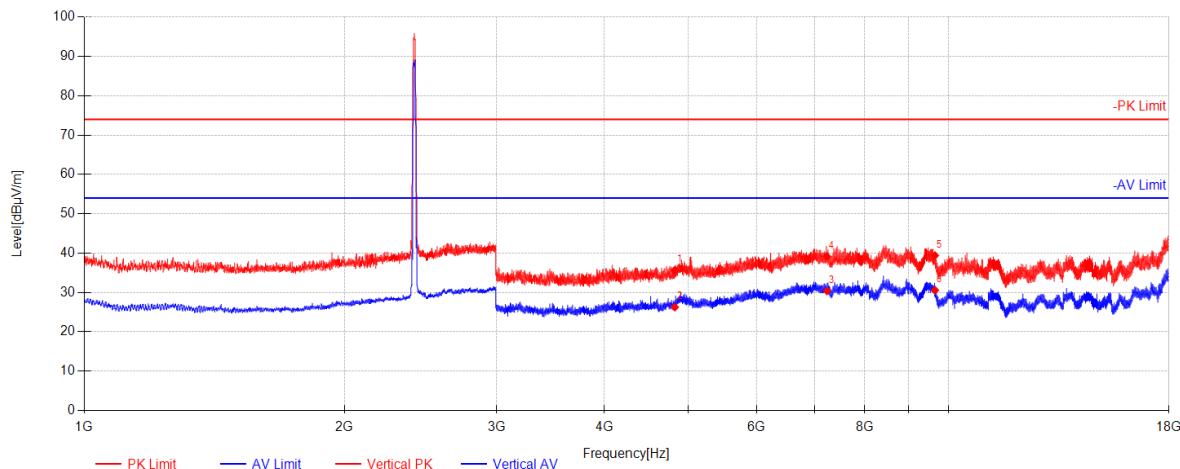
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802.11b_Channel 01 SISO1



Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4824.0000	48.82	32.39	-45.54	35.67	74.00	38.33	125	1	Vertical
2	4824.0000	39.41	32.39	-45.54	26.26	54.00	27.74	122	220	Vertical
3	7236.0000	37.34	36.58	-43.54	30.38	54.00	23.62	177	279	Vertical
4	7236.0000	46.13	36.58	-43.54	39.17	74.00	34.83	148	279	Vertical
5	9648.0000	40.55	38.39	-39.56	39.38	74.00	34.62	196	81	Vertical
6	9648.0000	31.75	38.39	-39.56	30.58	54.00	23.42	133	305	Vertical

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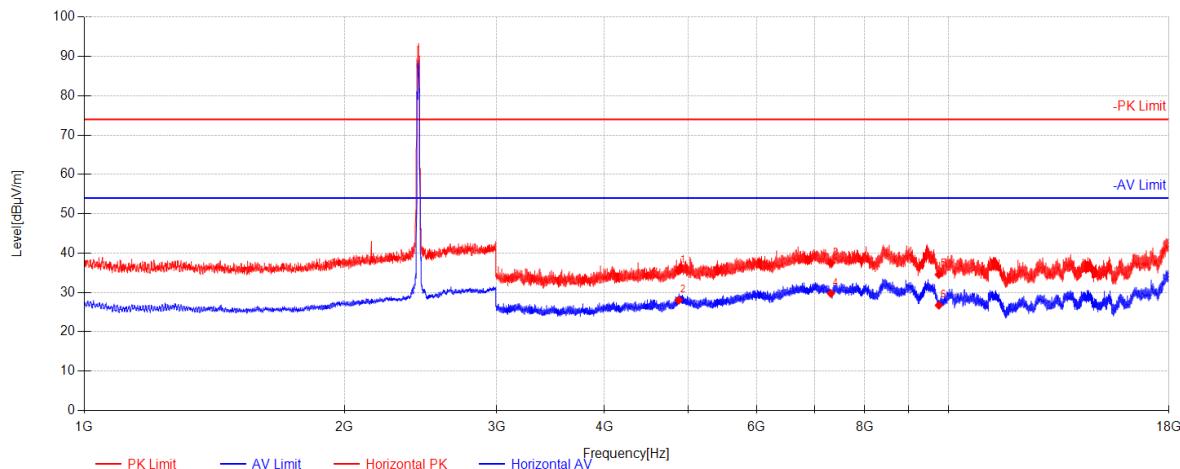
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802.11b_Channel 06 SISO1



Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4874.0000	48.49	32.53	-45.53	35.48	74.00	38.52	125	165	Horizontal
2	4874.0000	41.01	32.53	-45.53	28.00	54.00	26.00	255	139	Horizontal
3	7311.0000	44.64	36.54	-43.71	37.47	74.00	36.53	145	7	Horizontal
4	7311.0000	36.90	36.54	-43.71	29.73	54.00	24.27	196	165	Horizontal
5	9748.0000	35.73	38.28	-39.46	34.55	74.00	39.45	126	26	Horizontal
6	9748.0000	27.90	38.28	-39.46	26.72	54.00	27.28	153	82	Horizontal

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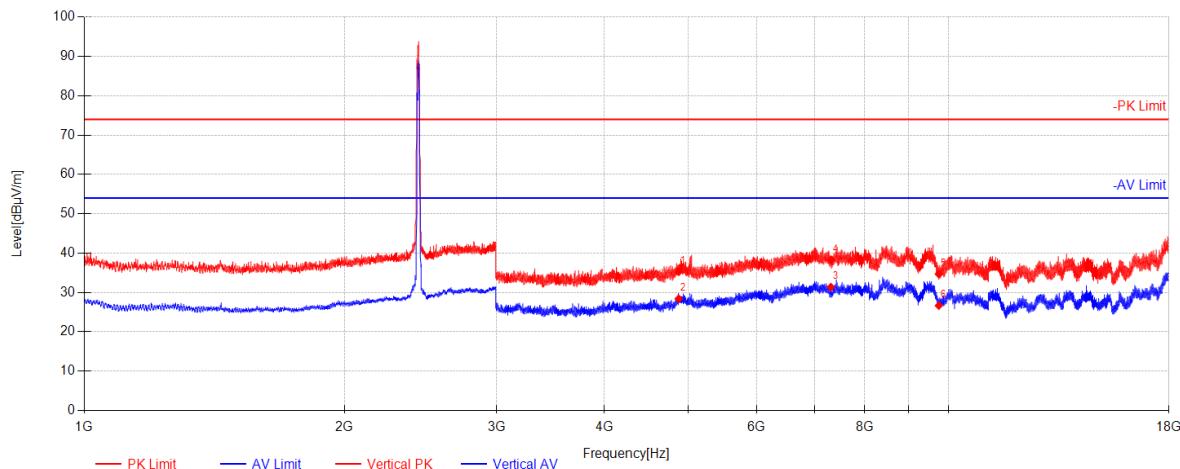


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802.11b_Channel 06 SISO1



Final Data List											
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity	
1	4874.0000	48.26	32.53	-45.53	35.25	74.00	38.75	214	334	Vertical	
2	4874.0000	41.40	32.53	-45.53	28.39	54.00	25.61	266	25	Vertical	
3	7311.0000	38.53	36.54	-43.71	31.36	54.00	22.64	155	165	Vertical	
4	7311.0000	45.39	36.54	-43.71	38.22	74.00	35.78	155	110	Vertical	
5	9748.0000	35.84	38.28	-39.46	34.66	74.00	39.34	126	305	Vertical	
6	9748.0000	27.84	38.28	-39.46	26.66	54.00	27.34	198	53	Vertical	

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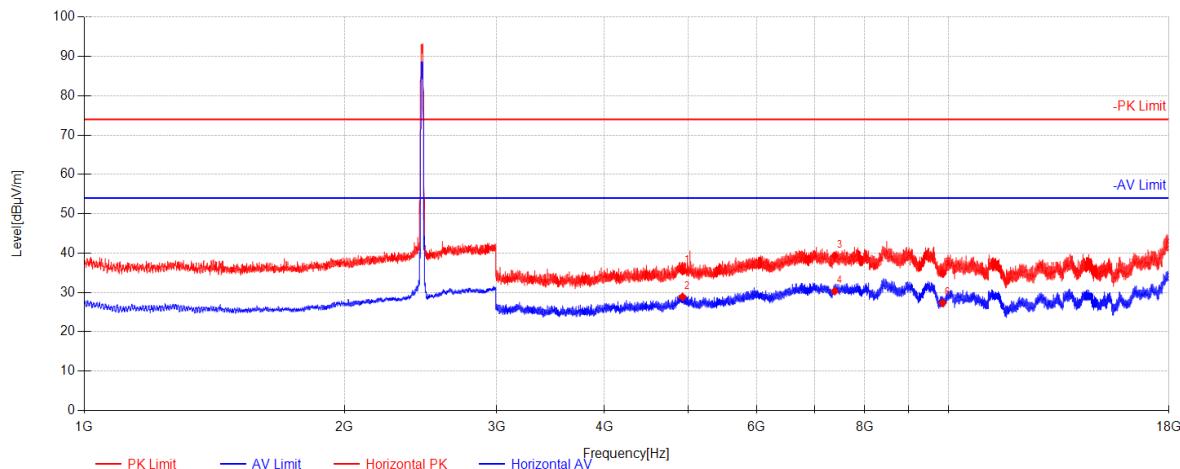
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802.11b_Channel 11 SISO1



Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4924.0000	48.32	32.67	-45.56	35.43	74.00	38.57	125	225	Horizontal
2	4924.0000	41.76	32.67	-45.56	28.87	54.00	25.13	147	357	Horizontal
3	7386.0000	46.25	36.50	-43.46	39.29	74.00	34.71	145	196	Horizontal
4	7386.0000	37.29	36.50	-43.46	30.33	54.00	23.67	111	114	Horizontal
5	9848.0000	35.93	38.28	-39.41	34.81	74.00	39.19	196	334	Horizontal
6	9848.0000	28.43	38.28	-39.41	27.31	54.00	26.69	126	251	Horizontal

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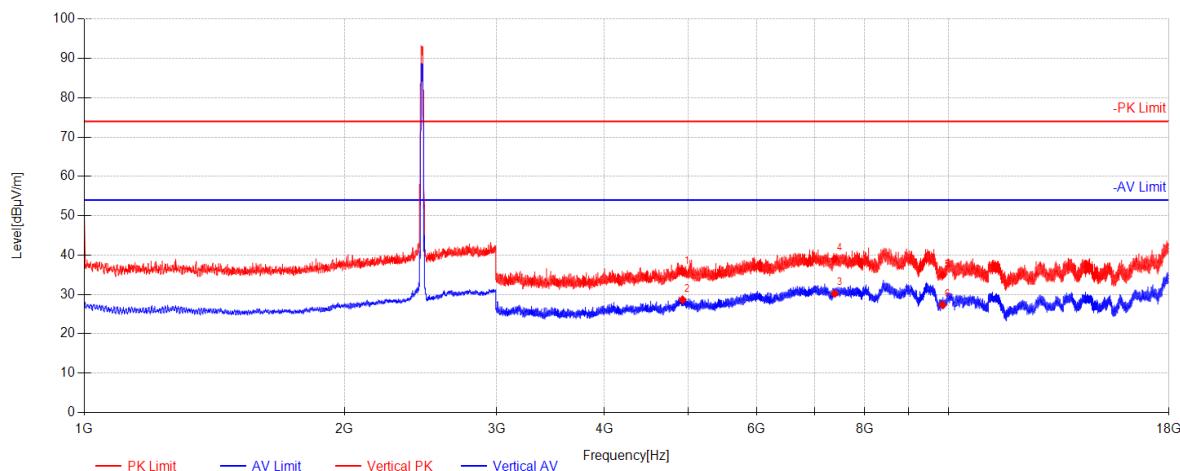
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802.11b_Channel 11 SISO1



Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4924.0000	48.55	32.67	-45.56	35.66	74.00	38.34	145	221	Vertical
2	4924.0000	41.55	32.67	-45.56	28.66	54.00	25.34	148	221	Vertical
3	7386.0000	37.19	36.50	-43.46	30.23	54.00	23.77	175	276	Vertical
4	7386.0000	45.99	36.50	-43.46	39.03	74.00	34.97	169	331	Vertical
5	9848.0000	36.02	38.28	-39.41	34.90	74.00	39.10	152	248	Vertical
6	9848.0000	28.47	38.28	-39.41	27.35	54.00	26.65	196	0	Vertical

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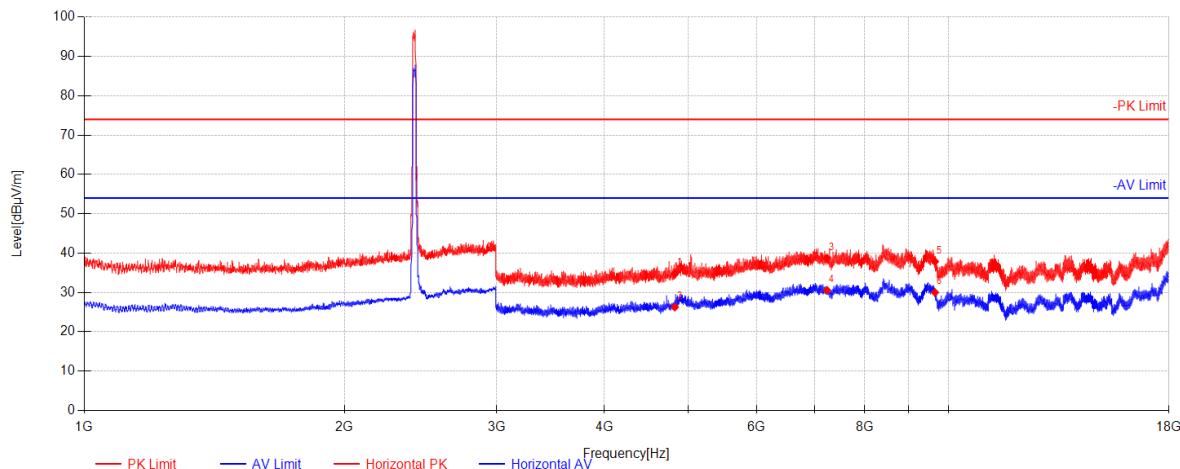
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Final Data List										
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1	4824.0000	47.88	32.39	-45.54	34.73	74.00	39.27	156	278	Horizontal
2	4824.0000	39.41	32.39	-45.54	26.26	54.00	27.74	163	0	Horizontal
3	7236.0000	45.67	36.58	-43.54	38.71	74.00	35.29	142	334	Horizontal
4	7236.0000	37.51	36.58	-43.54	30.55	54.00	23.45	152	55	Horizontal
5	9648.0000	39.04	38.39	-39.56	37.87	74.00	36.13	254	26	Horizontal
6	9648.0000	31.18	38.39	-39.56	30.01	54.00	23.99	142	194	Horizontal

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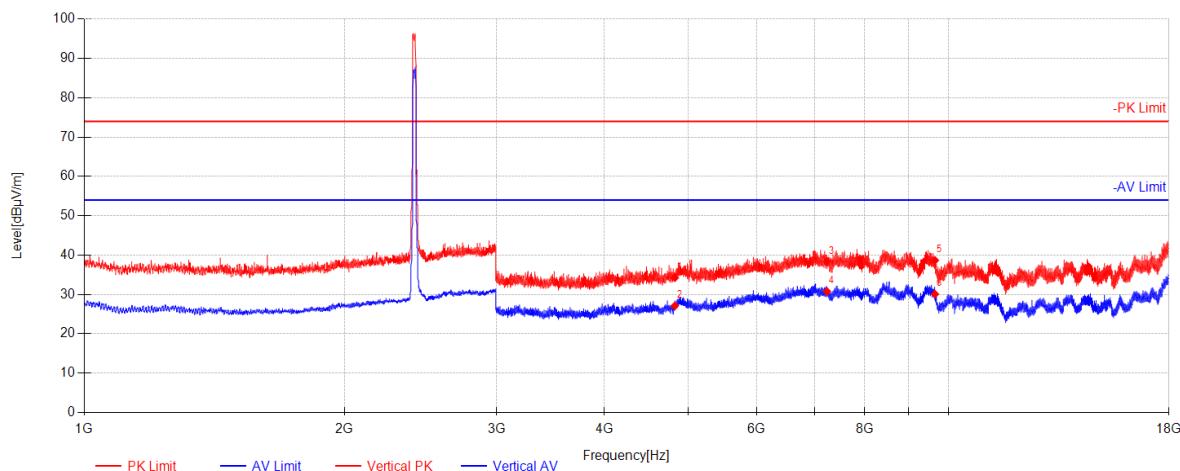
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802.11g_Channel 01 SISO1



Final Data List										
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1	4824.0000	47.41	32.39	-45.54	34.26	74.00	39.74	245	111	Vertical
2	4824.0000	40.24	32.39	-45.54	27.09	54.00	26.91	196	251	Vertical
3	7236.0000	45.27	36.58	-43.54	38.31	74.00	35.69	156	111	Vertical
4	7236.0000	37.73	36.58	-43.54	30.77	54.00	23.23	145	278	Vertical
5	9648.0000	39.84	38.39	-39.56	38.67	74.00	35.33	129	251	Vertical
6	9648.0000	31.26	38.39	-39.56	30.09	54.00	23.91	143	111	Vertical

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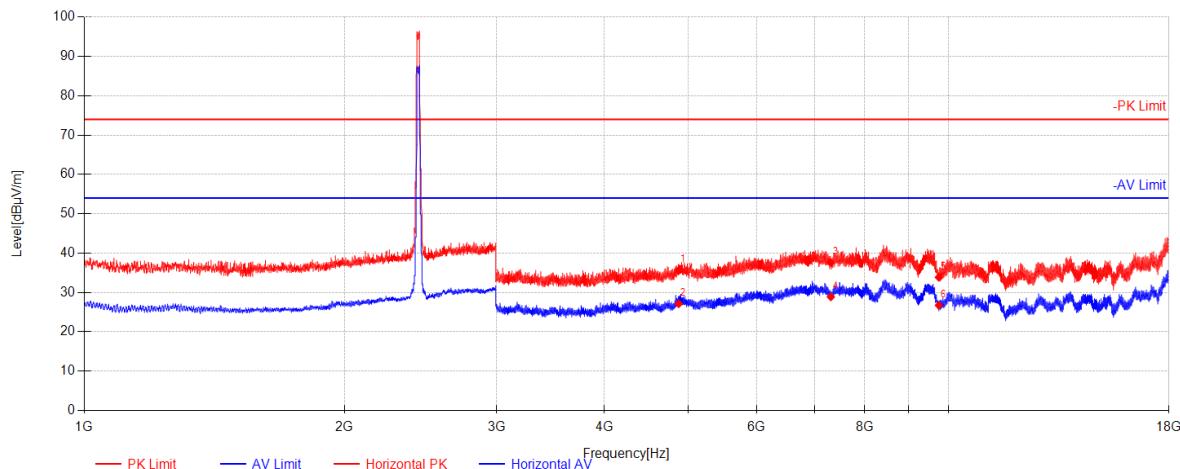
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802.11g_Channel 06 SISO1



Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4874.0000	48.59	32.53	-45.53	35.58	74.00	38.42	199	356	Horizontal
2	4874.0000	40.13	32.53	-45.53	27.12	54.00	26.88	191	1	Horizontal
3	7311.0000	44.73	36.54	-43.71	37.56	74.00	36.44	184	109	Horizontal
4	7311.0000	36.04	36.54	-43.71	28.87	54.00	25.13	173	80	Horizontal
5	9748.0000	35.02	38.28	-39.46	33.84	74.00	40.16	128	25	Horizontal
6	9748.0000	27.91	38.28	-39.46	26.73	54.00	27.27	140	332	Horizontal

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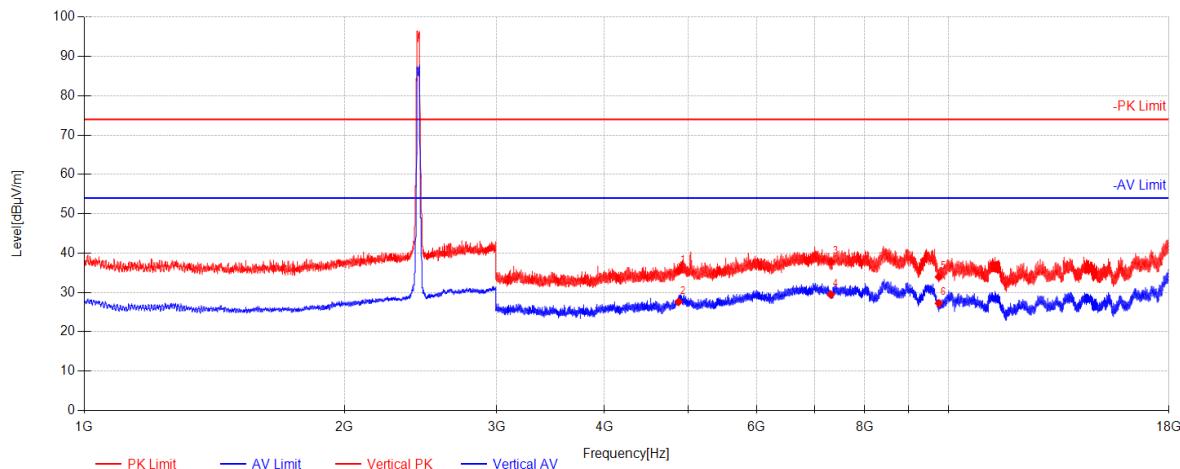
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802.11g_Channel 06 SISO1



Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4874.0000	48.40	32.53	-45.53	35.39	74.00	38.61	248	139	Vertical
2	4874.0000	40.62	32.53	-45.53	27.61	54.00	26.39	149	305	Vertical
3	7311.0000	45.01	36.54	-43.71	37.84	74.00	36.16	186	84	Vertical
4	7311.0000	36.64	36.54	-43.71	29.47	54.00	24.53	163	1	Vertical
5	9748.0000	35.13	38.28	-39.46	33.95	74.00	40.05	175	8	Vertical
6	9748.0000	28.43	38.28	-39.46	27.25	54.00	26.75	215	224	Vertical

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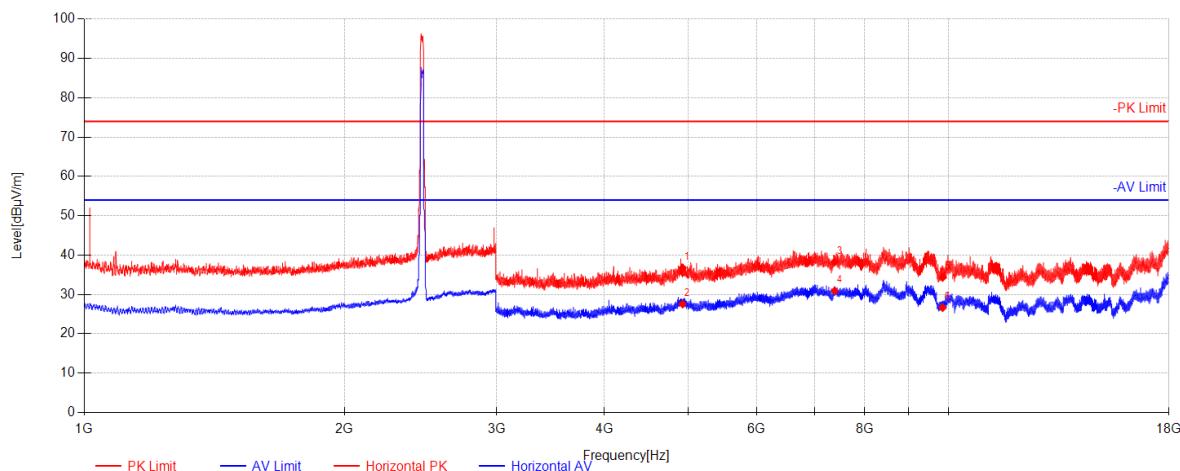


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802.11g_Channel 11 SISO1



Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4924.0000	49.68	32.67	-45.56	36.79	74.00	37.21	236	0	Horizontal
2	4924.0000	40.45	32.67	-45.56	27.56	54.00	26.44	126	7	Horizontal
3	7386.0000	45.22	36.50	-43.46	38.26	74.00	35.74	251	112	Horizontal
4	7386.0000	37.88	36.50	-43.46	30.92	54.00	23.08	199	195	Horizontal
5	9848.0000	35.44	38.28	-39.41	34.32	74.00	39.68	142	305	Horizontal
6	9848.0000	27.75	38.28	-39.41	26.63	54.00	27.37	148	139	Horizontal

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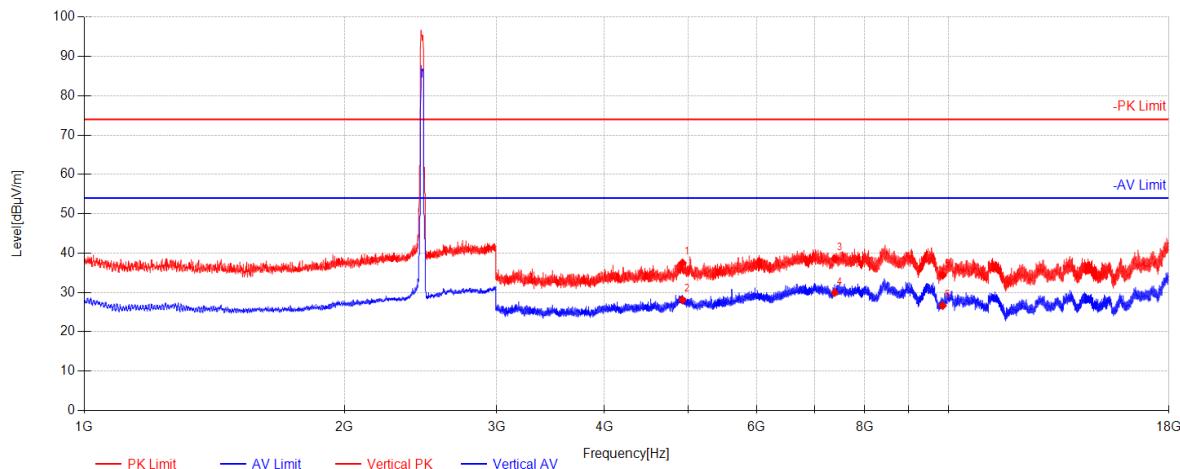
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802.11g_Channel 11 SISO1



Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4924.0000	50.41	32.67	-45.56	37.52	74.00	36.48	248	0	Vertical
2	4924.0000	40.99	32.67	-45.56	28.10	54.00	25.90	126	356	Vertical
3	7386.0000	45.56	36.50	-43.46	38.60	74.00	35.40	196	136	Vertical
4	7386.0000	36.90	36.50	-43.46	29.94	54.00	24.06	153	7	Vertical
5	9848.0000	35.47	38.28	-39.41	34.35	74.00	39.65	142	276	Vertical
6	9848.0000	27.75	38.28	-39.41	26.63	54.00	27.37	130	1	Vertical

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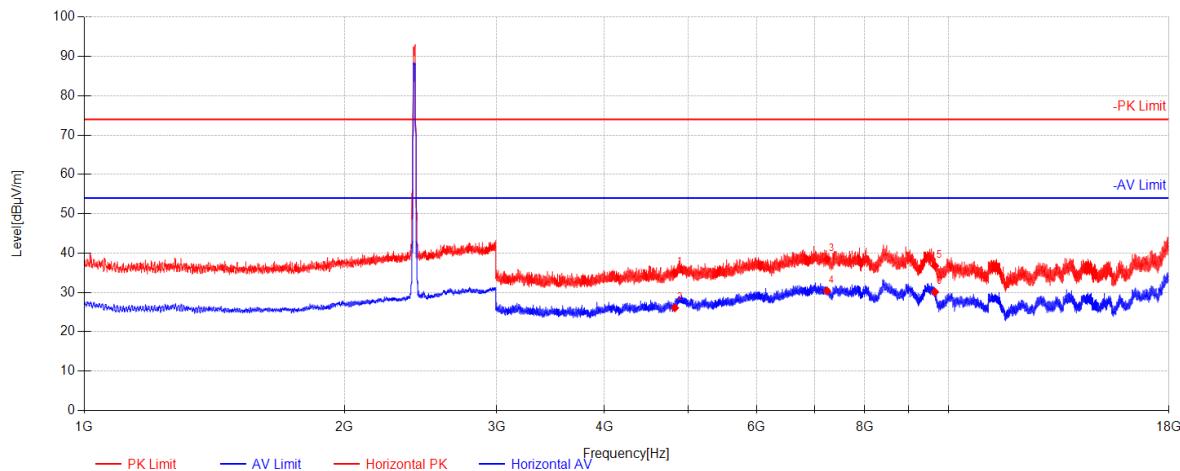
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802.11b_Channel 01 SISO2



Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dB]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4824.0000	48.14	32.39	-45.54	34.99	74.00	39.01	145	79	Horizontal
2	4824.0000	39.23	32.39	-45.54	26.08	54.00	27.92	183	6	Horizontal
3	7236.0000	45.38	36.58	-43.54	38.42	74.00	35.58	165	0	Horizontal
4	7236.0000	37.36	36.58	-43.54	30.40	54.00	23.60	142	24	Horizontal
5	9648.0000	37.90	38.39	-39.56	36.73	74.00	37.27	129	332	Horizontal
6	9648.0000	31.29	38.39	-39.56	30.12	54.00	23.88	109	219	Horizontal

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