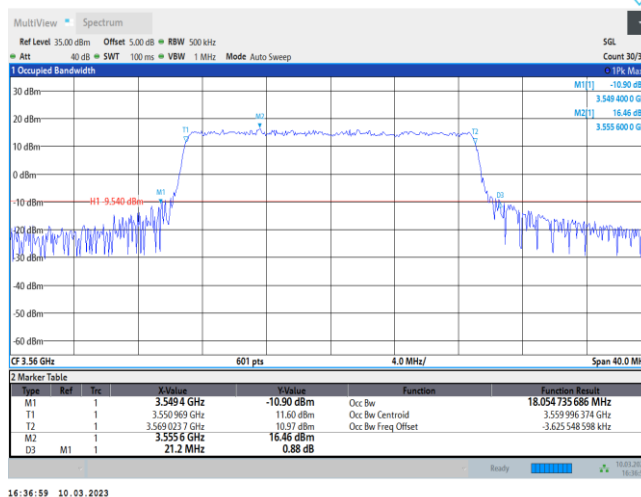


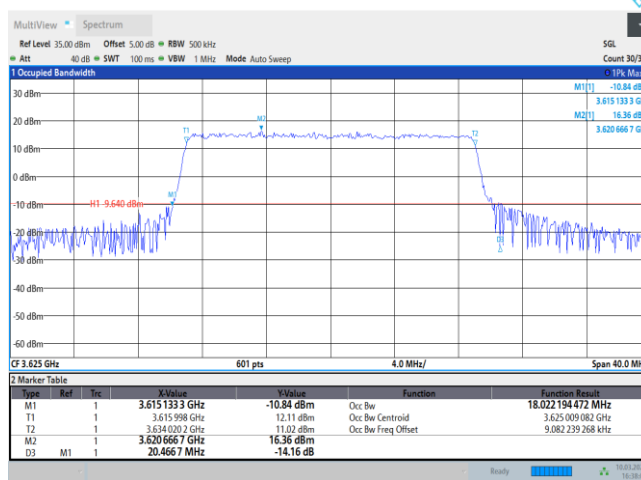
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Band48-20MHz-QPSK-55340-100RB#0



16:36:59 10.03.2023

Band48-20MHz-QPSK-55990-100RB#0



16:38:06 10.03.2023



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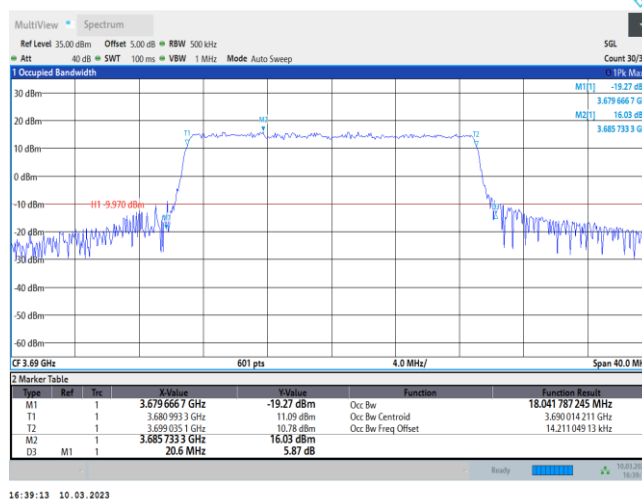
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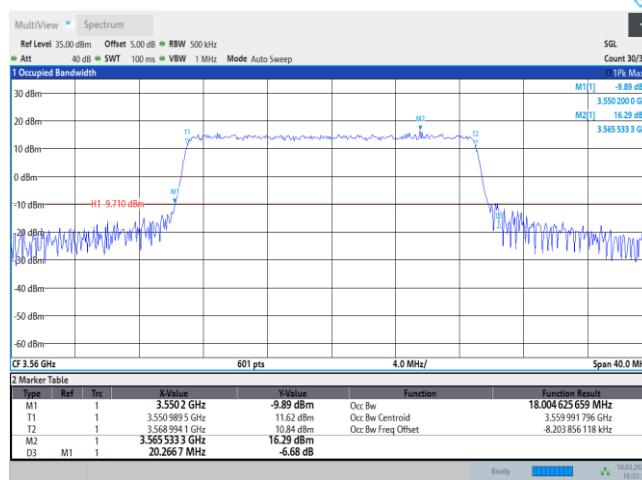
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Band48-20MHz-QPSK-56640-100RB#0



16:39:13 10.03.2023

Band48-20MHz-16QAM-55340-100RB#0



16:37:15 10.03.2023



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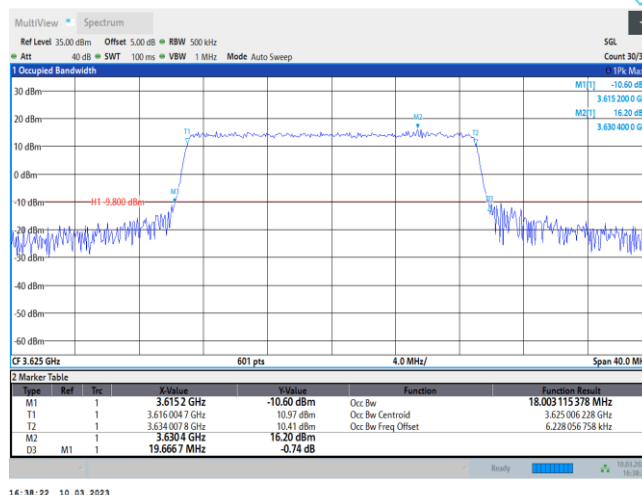
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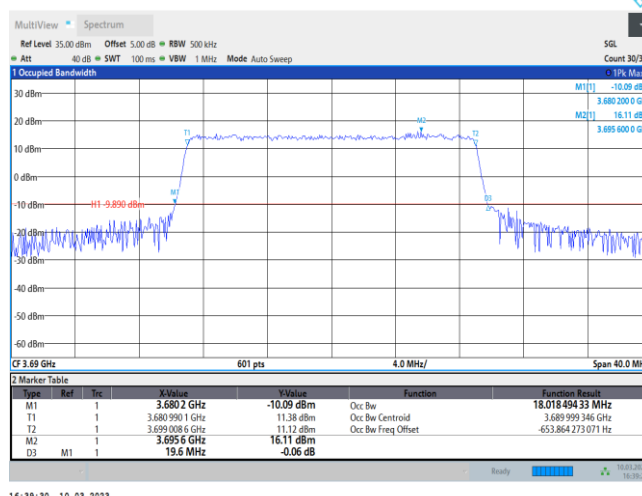
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Band48-20MHz-16QAM-55990-100RB#0



16:38:22 10.03.2023

Band48-20MHz-16QAM-56640-100RB#0



16:39:30 10.03.2023



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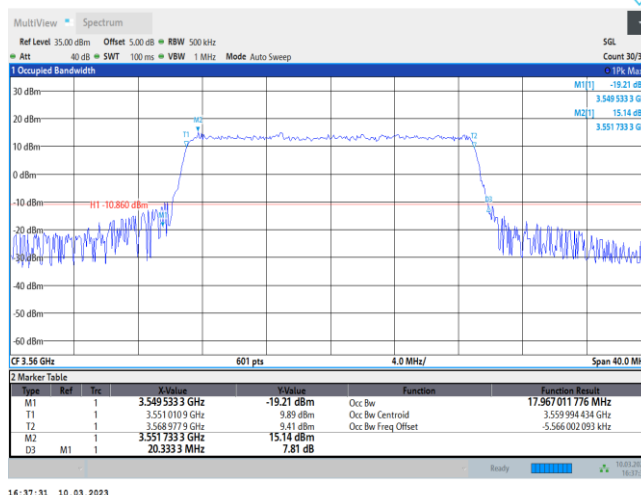
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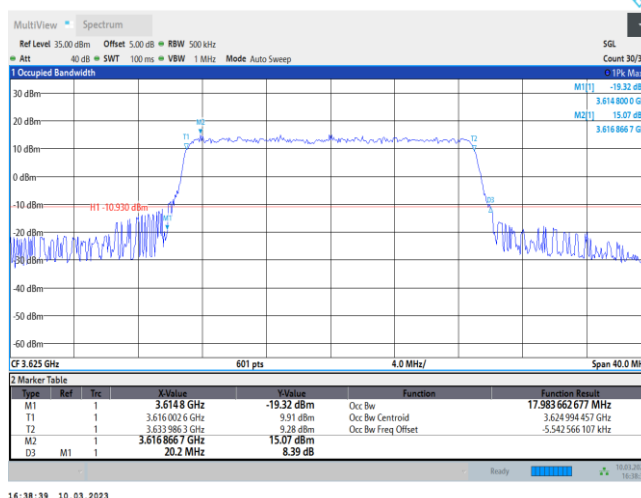
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Band48-20MHz-64QAM-55340-100RB#0



Band48-20MHz-64QAM-55990-100RB#0



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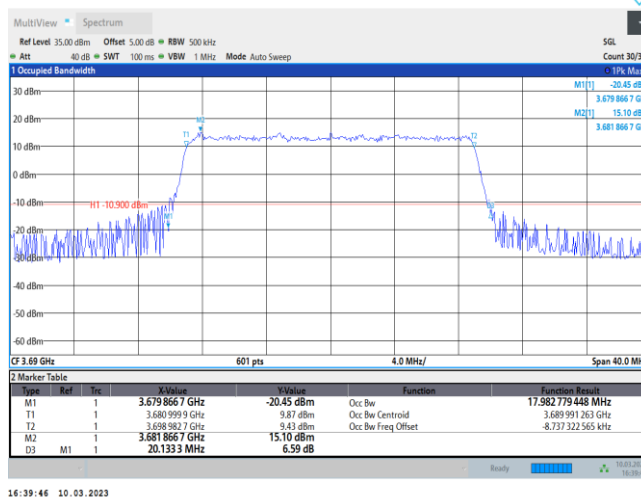
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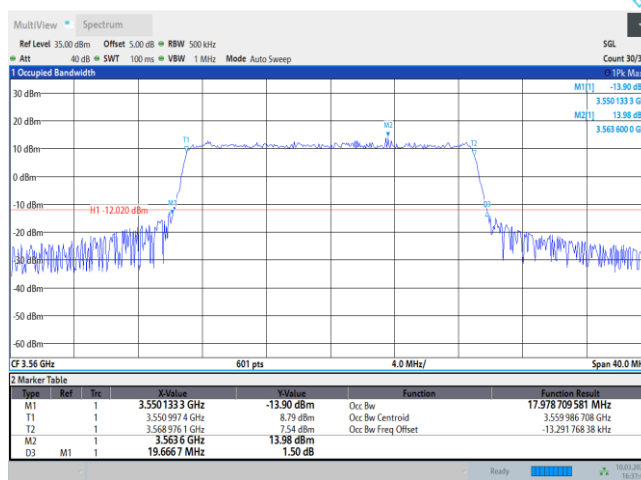
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Band48-20MHz-64QAM-56640-100RB#0



16:39:46 10.03.2023

Band48-20MHz-256QAM-55340-100RB#0



16:37:48 10.03.2023



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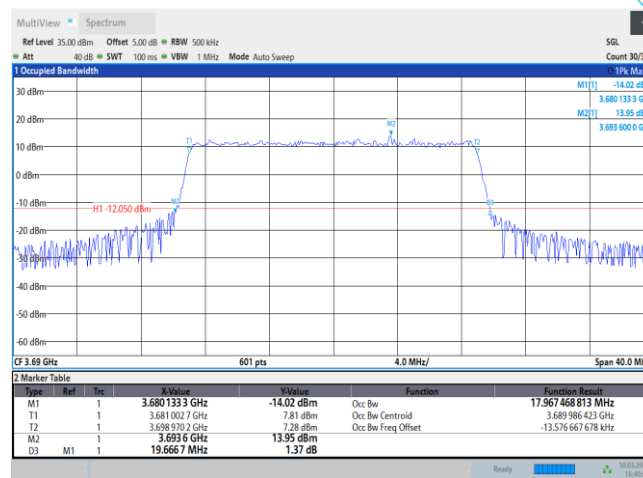
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Band48-20MHz-256QAM-56640-100RB#0



16:40:02 10.03.2023



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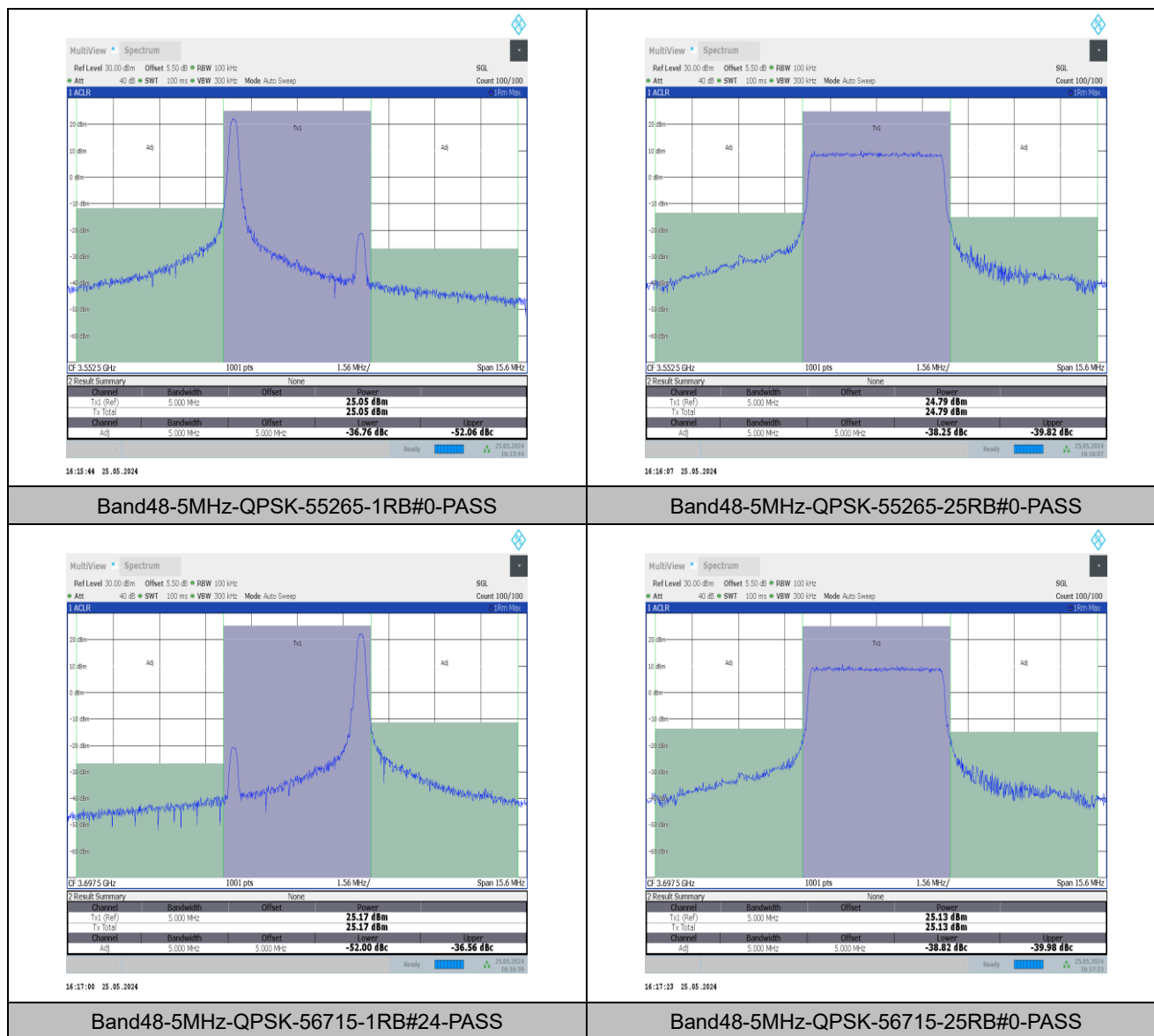
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Adjacent channel leakage ratio

Test Graphs



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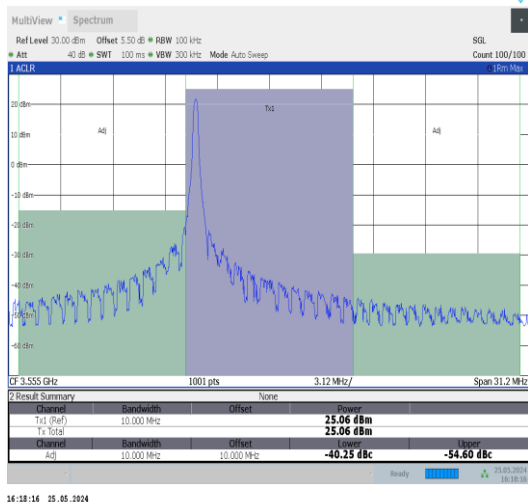
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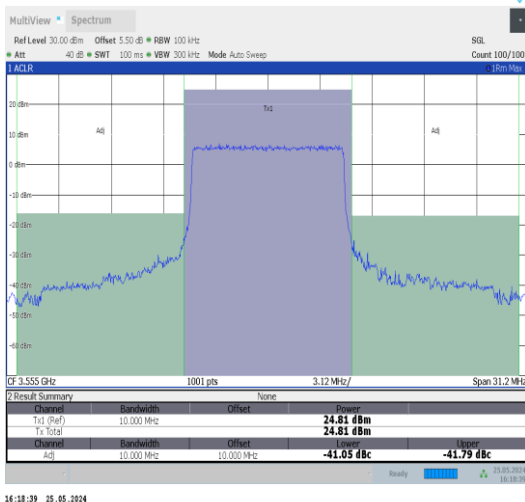
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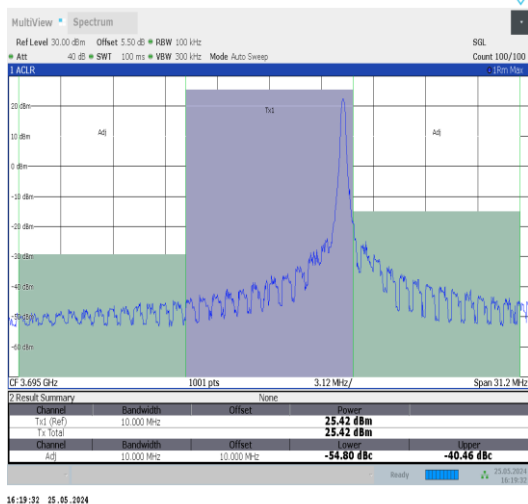
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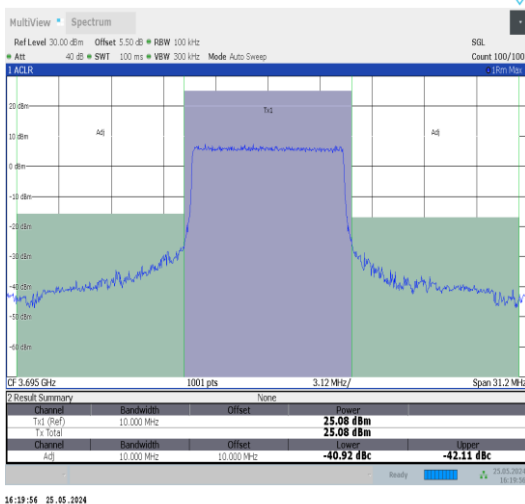
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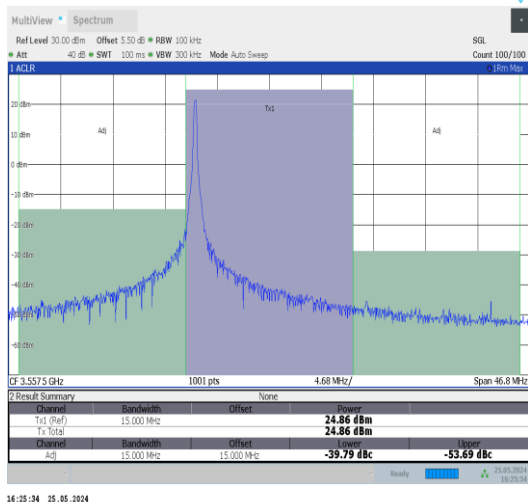
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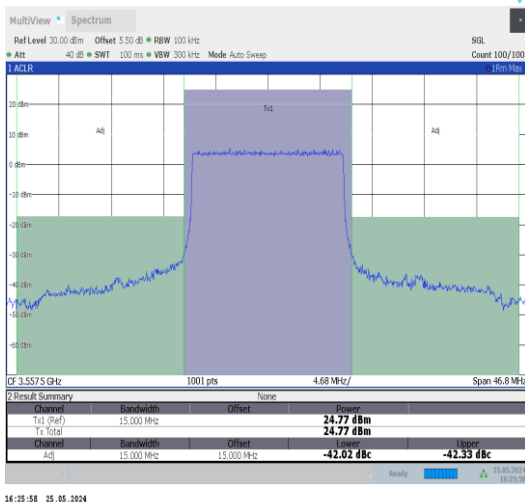
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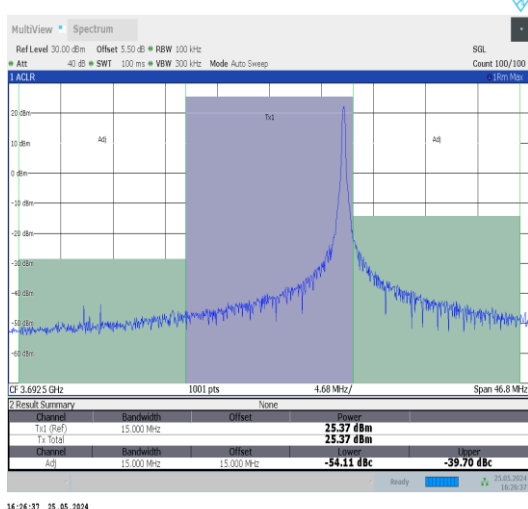
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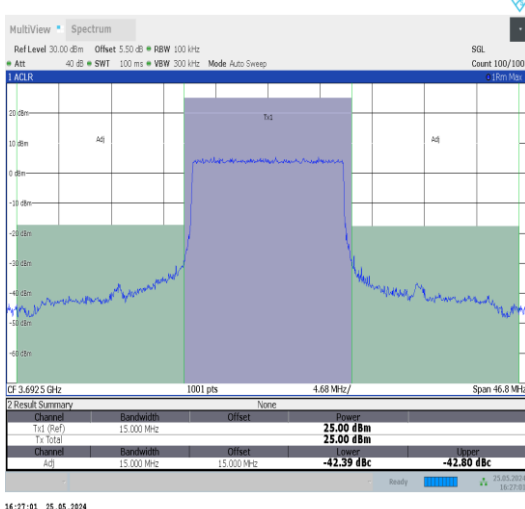
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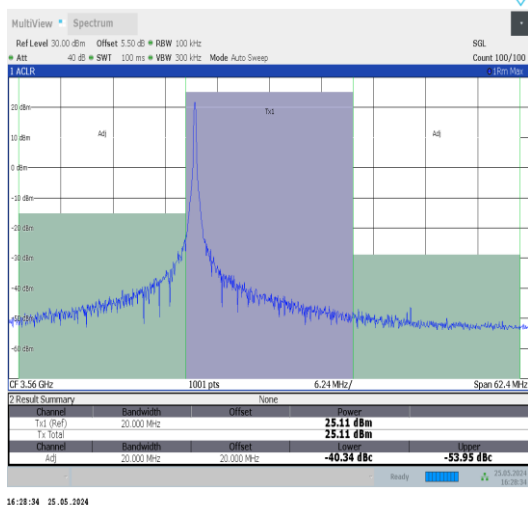
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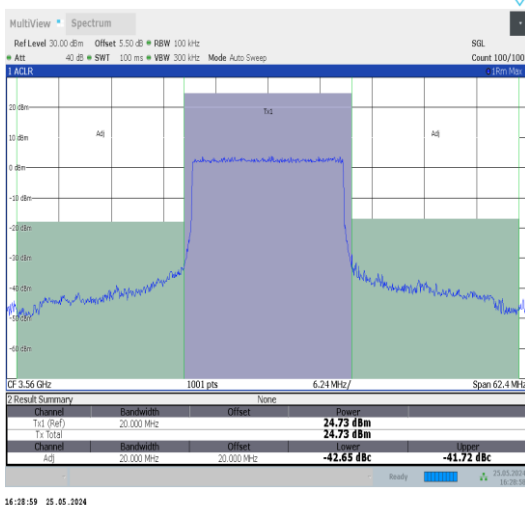
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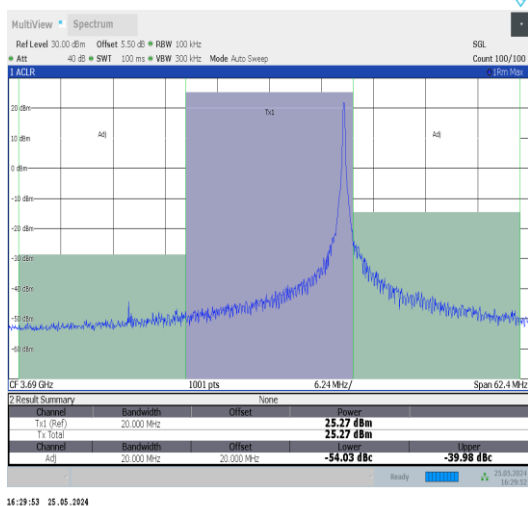
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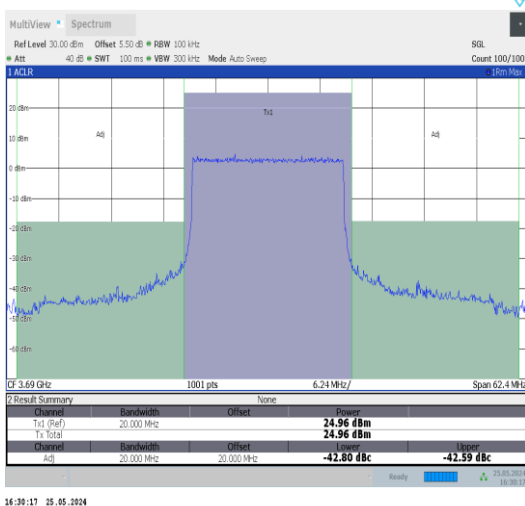
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Band48-20MHz-QPSK-56640-1RB#99-PASS



Band48-20MHz-QPSK-56640-100RB#0-PASS



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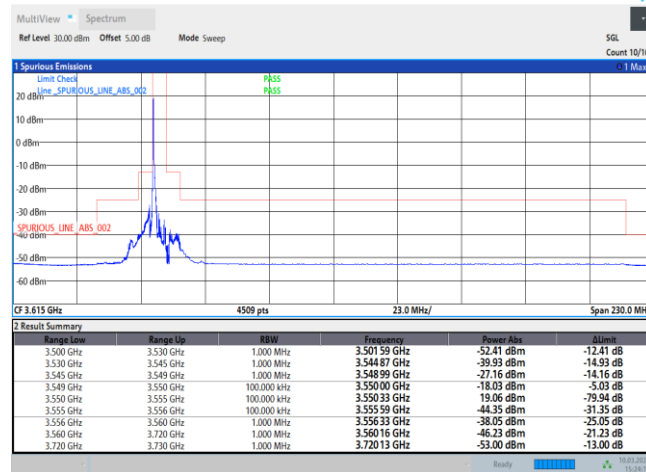
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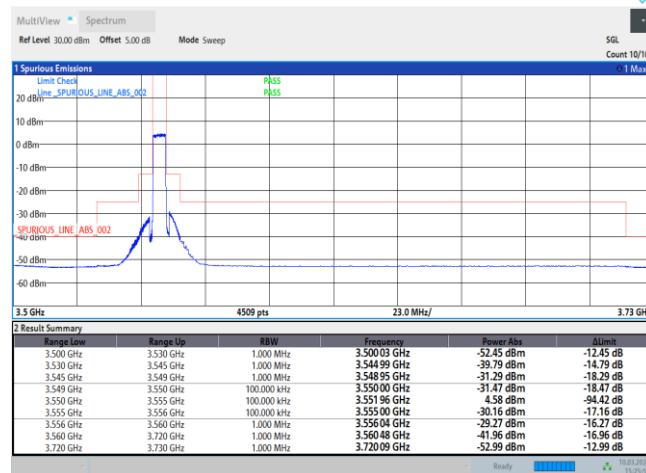
Test Graphs

Band48-5MHz-QPSK-55265-1RB#0



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Band48-5MHz-QPSK-55265-25RB#0



15:26:00 10.03.2023



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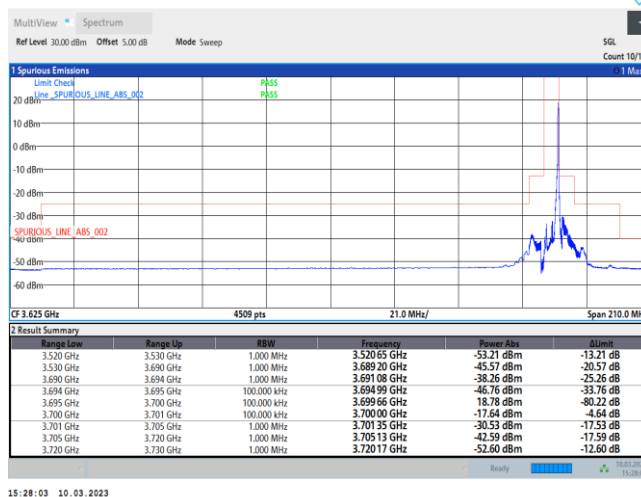
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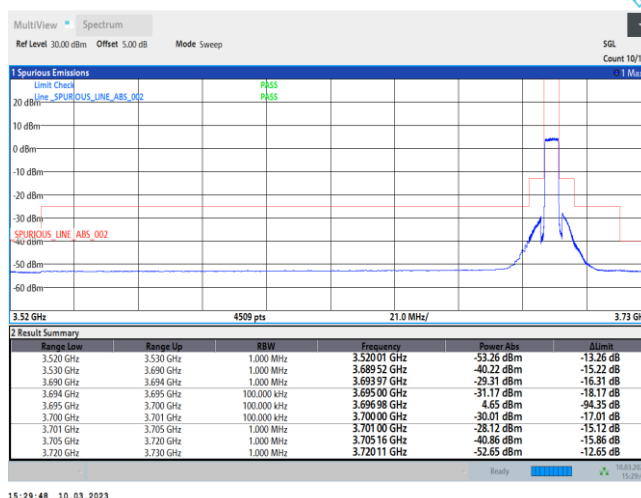
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Band48-5MHz-QPSK-56715-1RB#24



15:28:03 10.03.2023

Band48-5MHz-QPSK-56715-25RB#0



15:29:48 10.03.2023



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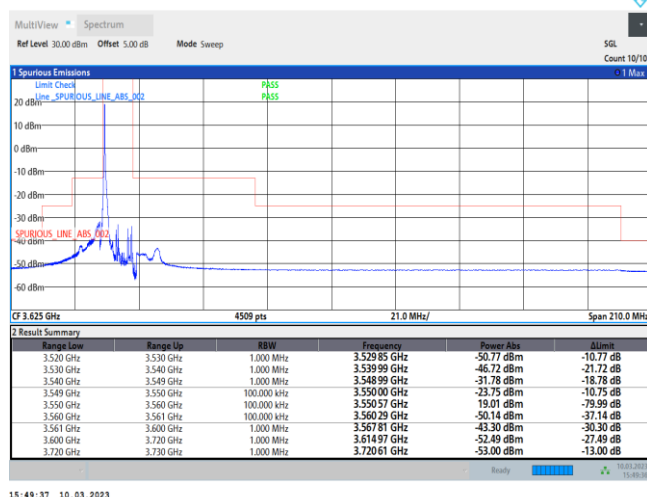
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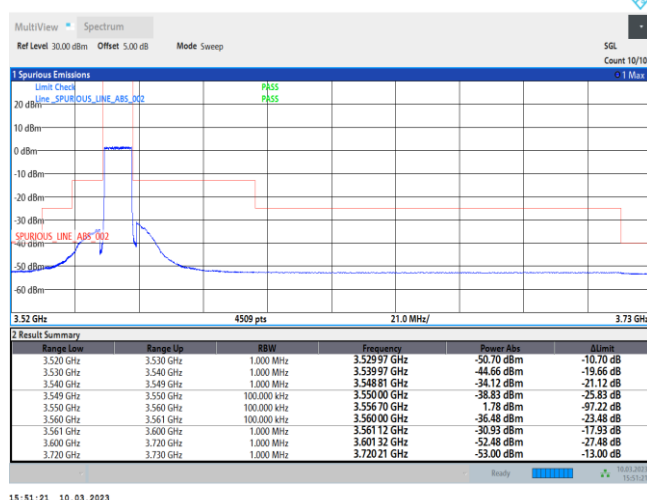
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Band48-10MHz-QPSK-55290-1RB#0



Band48-10MHz-QPSK-55290-50RB#0



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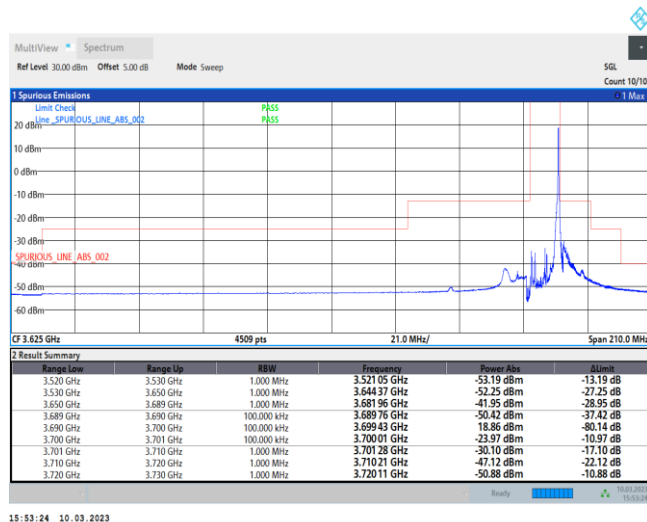
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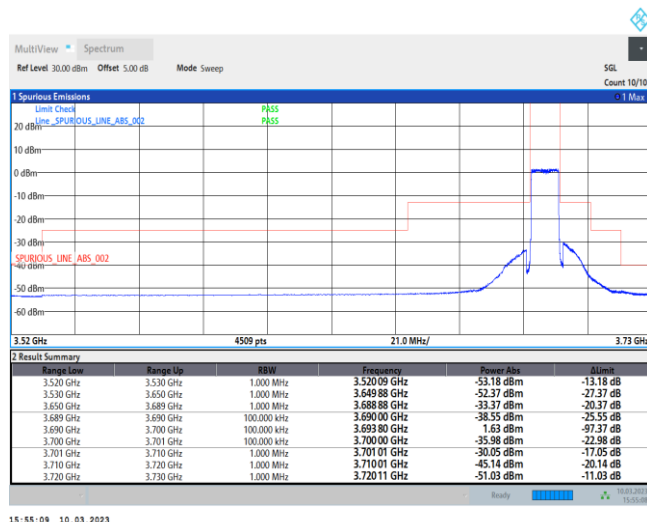
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Band48-10MHz-QPSK-56690-1RB#49



15:53:24 10.03.2023

Band48-10MHz-QPSK-56690-50RB#0



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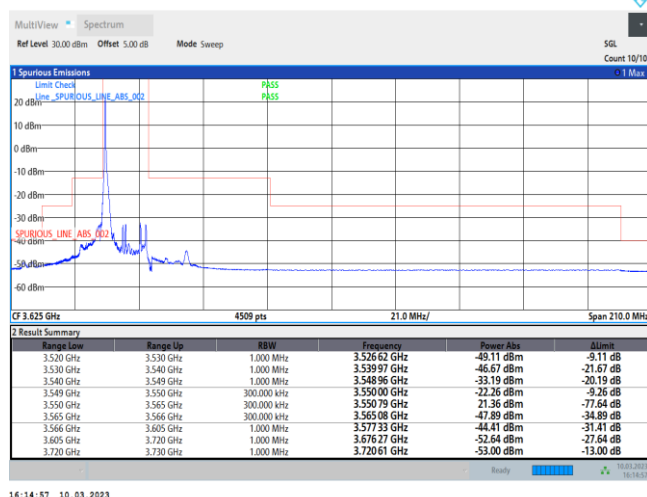
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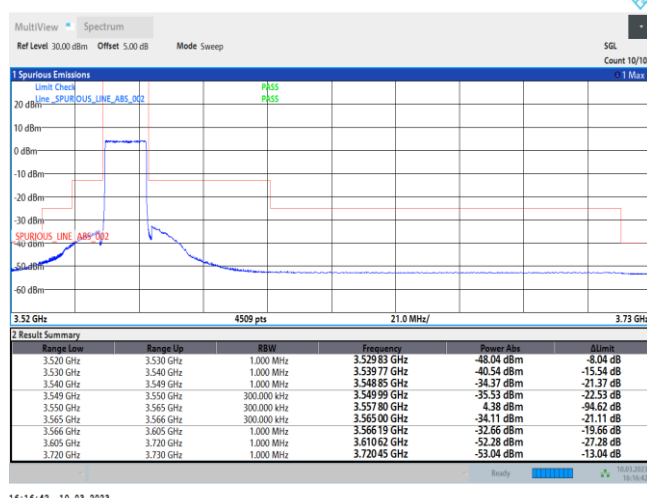
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Band48-15MHz-QPSK-55315-1RB#0



16:14:57 10.03.2023

Band48-15MHz-QPSK-55315-75RB#0



16:16:42 10.03.2023



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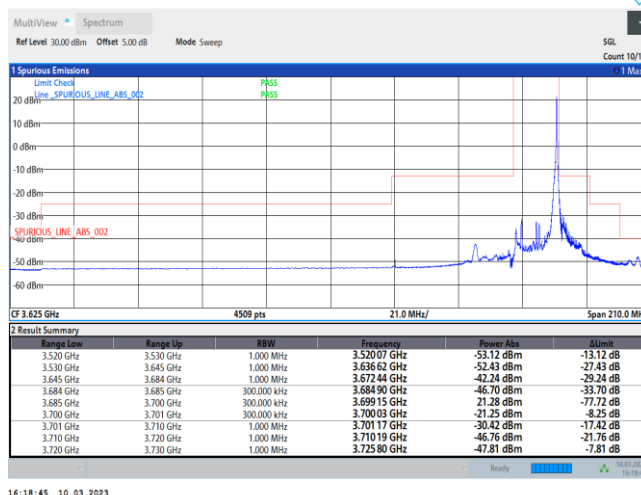
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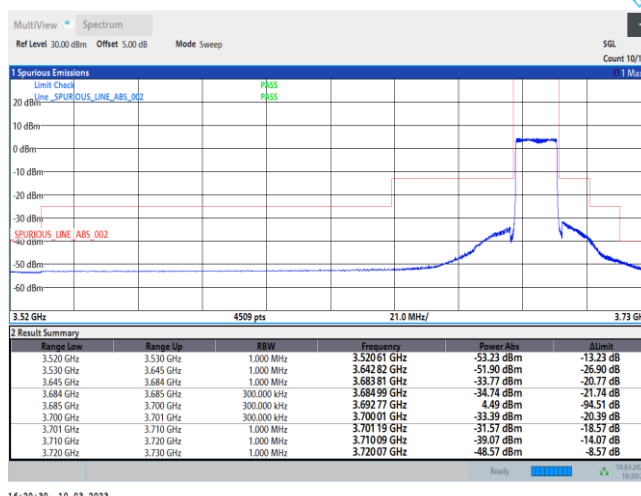
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Band48-15MHz-QPSK-56665-1RB#74



16:18:45 10.03.2023

Band48-15MHz-QPSK-56665-75RB#0



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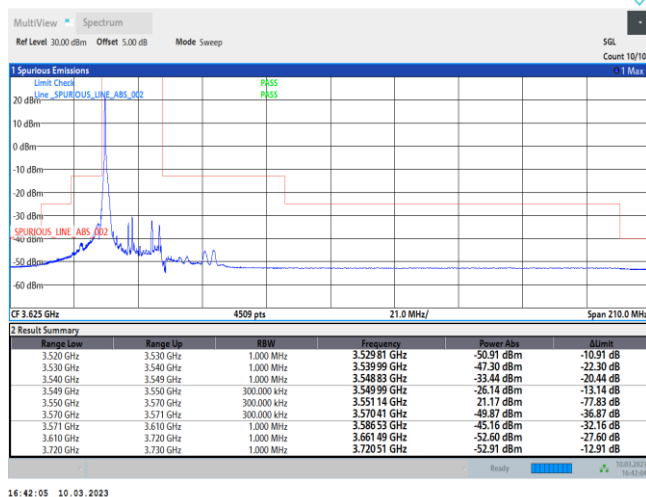
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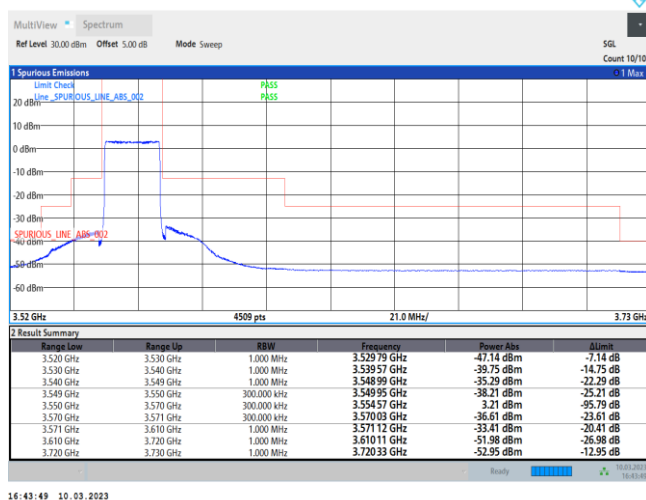
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Band48-20MHz-QPSK-55340-1RB#0



Band48-20MHz-QPSK-55340-100RB#0



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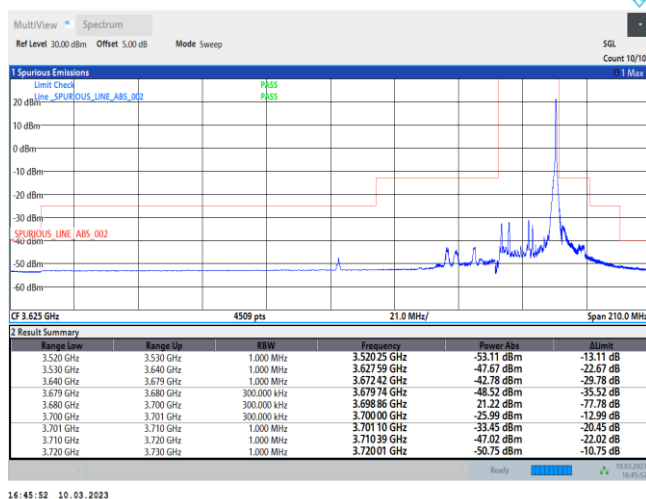
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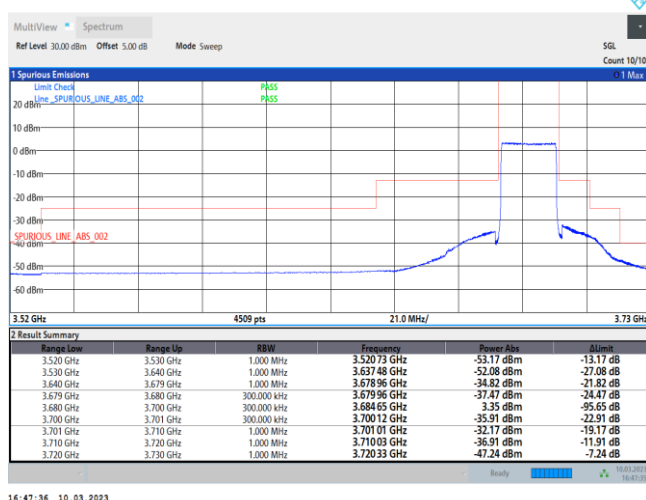
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Band48-20MHz-QPSK-56640-1RB#99



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Band48-20MHz-QPSK-56640-100RB#0



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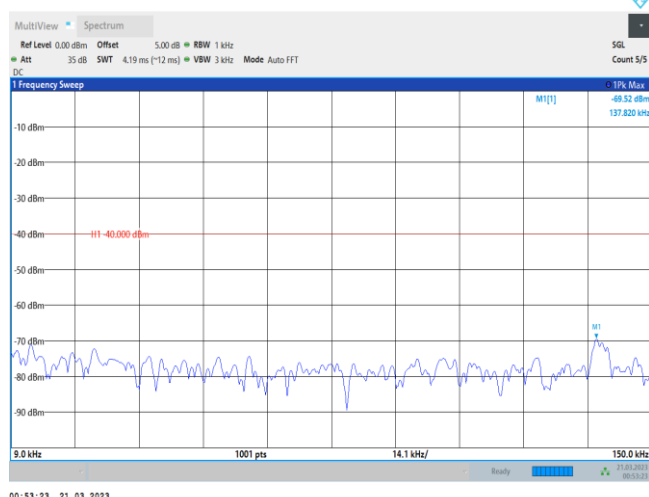
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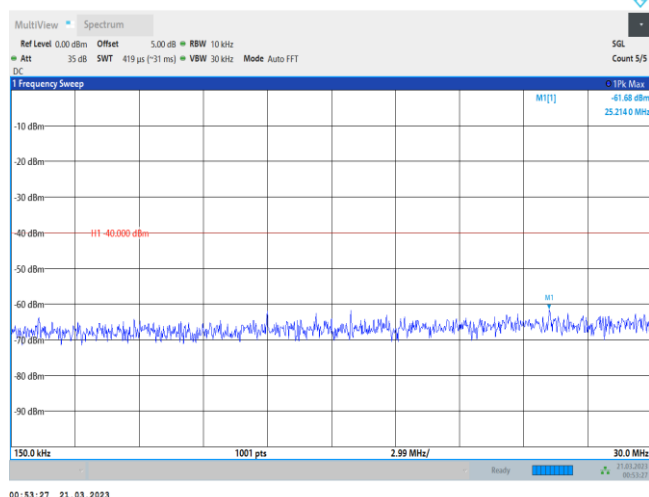
Conducted Spurious Emission

Test Graphs

Band48-20MHz-QPSK-55340-1RB#0-Range1:0.009~0.15MHz



Band48-20MHz-QPSK-55340-1RB#0-Range2:0.15~30MHz



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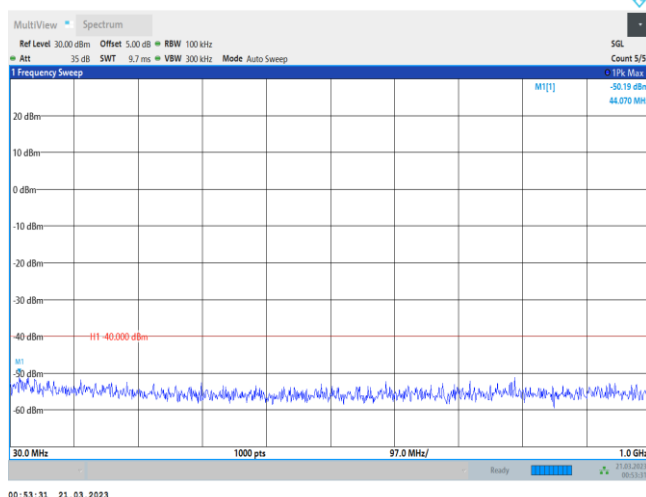
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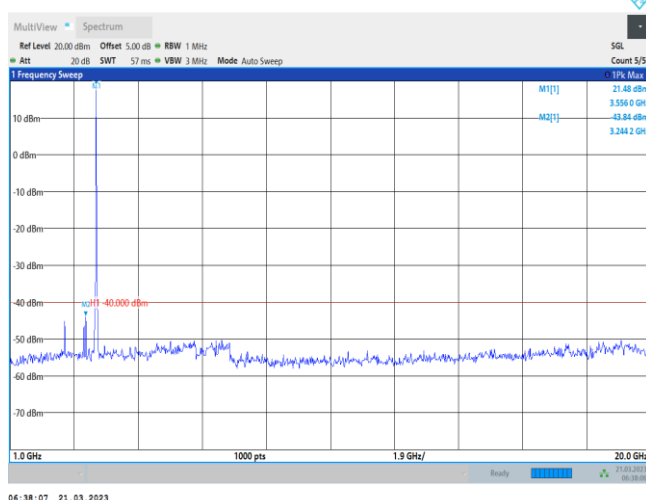
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Band48-20MHz-QPSK-55340-1RB#0-Range3:30~1000MHz



Band48-20MHz-QPSK-55340-1RB#0-Range4:1000~20000MHz



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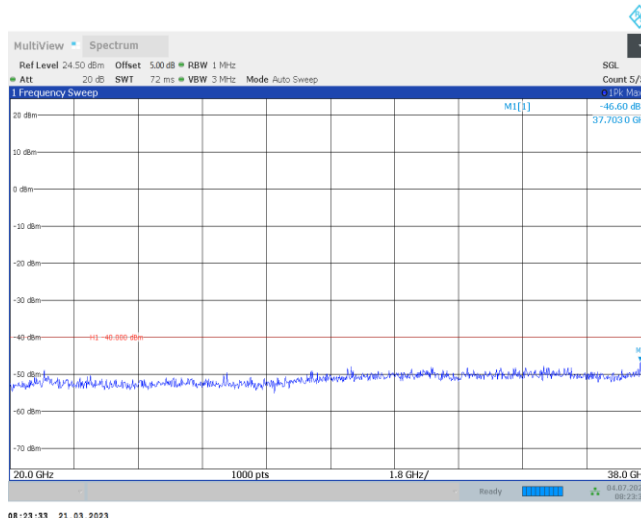
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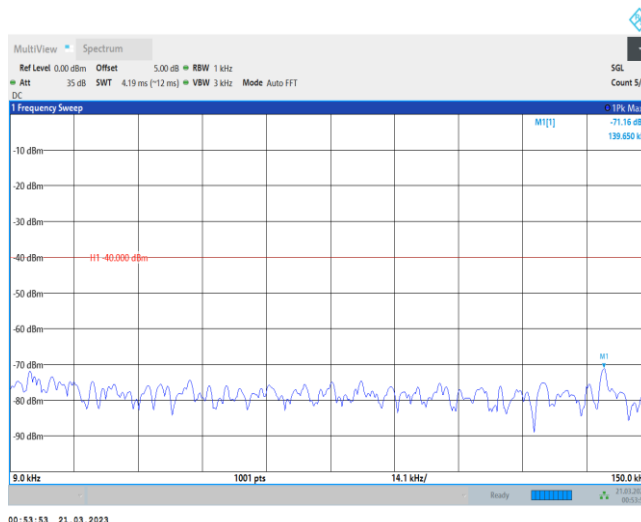
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Band48-20MHz-QPSK-55340-1RB#0-Range5:20000~38000MHz



Band48-20MHz-QPSK-55990-1RB#0-Range1:0.009~0.15MHz



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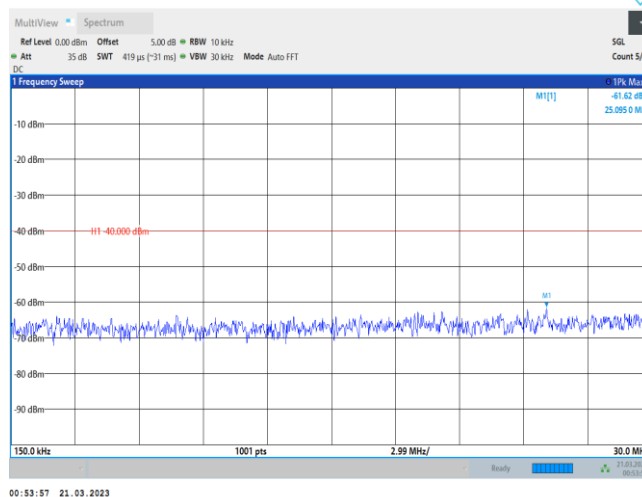
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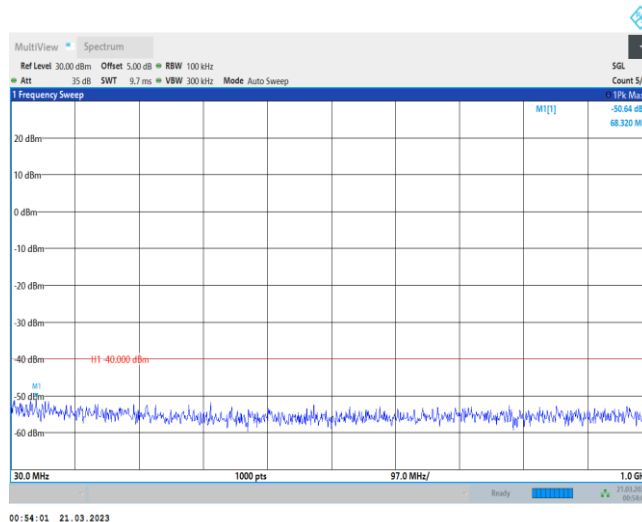
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Band48-20MHz-QPSK-55990-1RB#0-Range2:0.15~30MHz



Band48-20MHz-QPSK-55990-1RB#0-Range3:30~1000MHz



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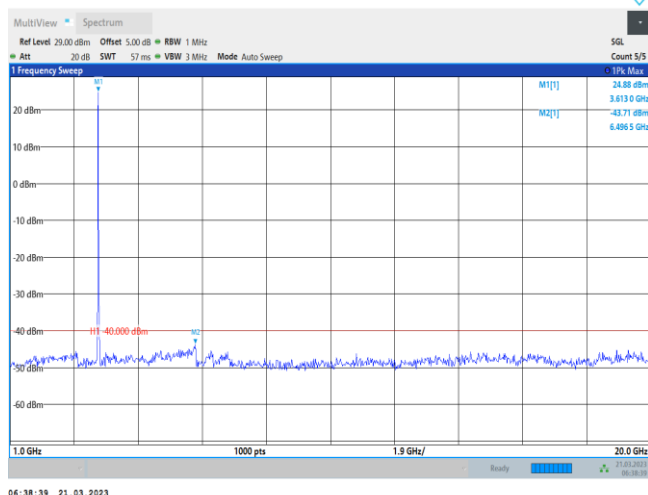
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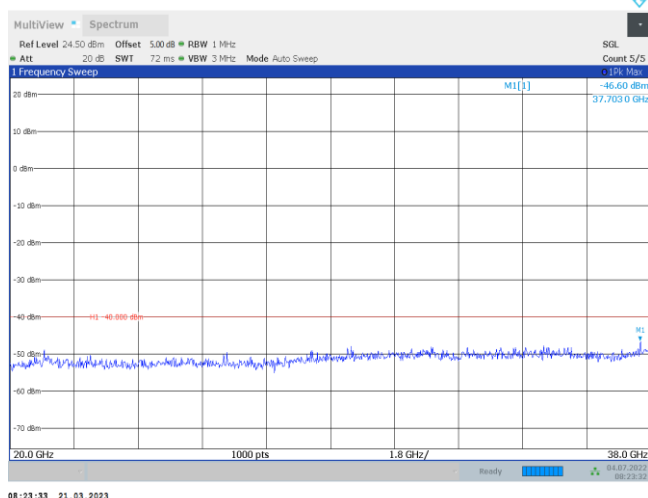
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Band48-20MHz-QPSK-55990-1RB#0-Range4:1000~20000MHz



Band48-20MHz-QPSK-55990-1RB#0-Range5:20000~38000MHz



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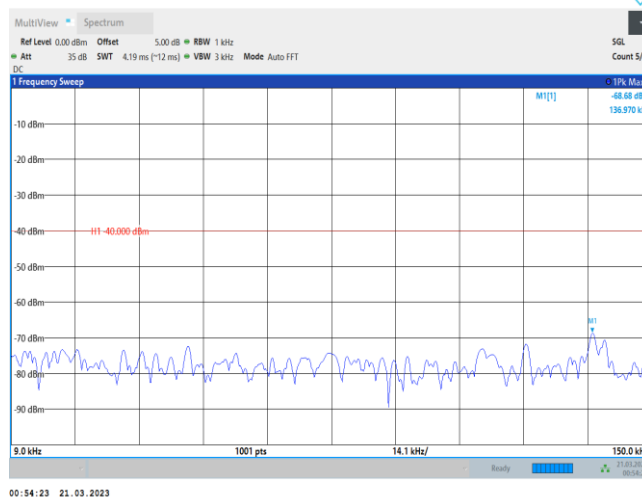
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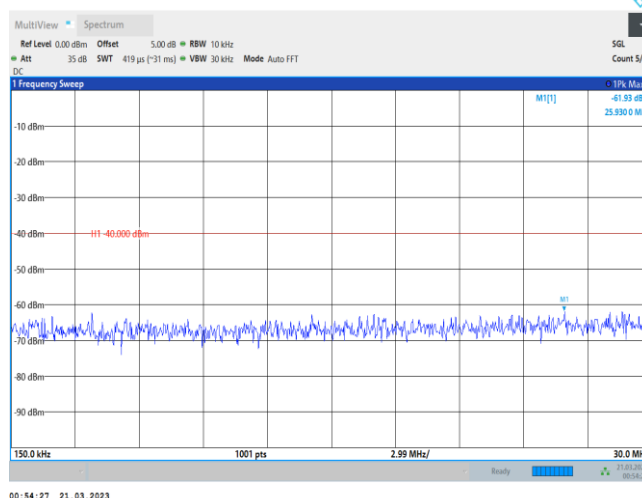
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Band48-20MHz-QPSK-56640-1RB#0-Range1:0.009~0.15MHz



Band48-20MHz-QPSK-56640-1RB#0-Range2:0.15~30MHz



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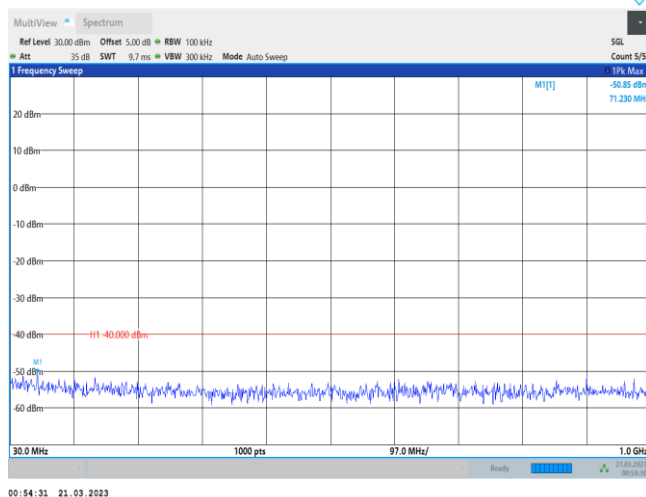
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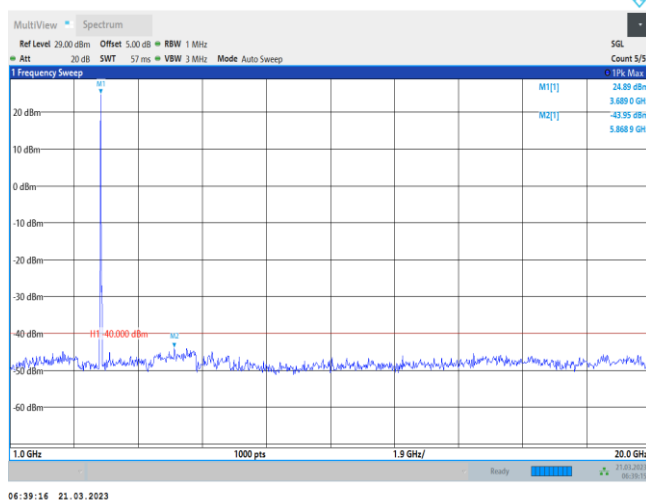
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Band48-20MHz-QPSK-56640-1RB#0-Range3:30~1000MHz



Band48-20MHz-QPSK-56640-1RB#0-Range4:1000~20000MHz



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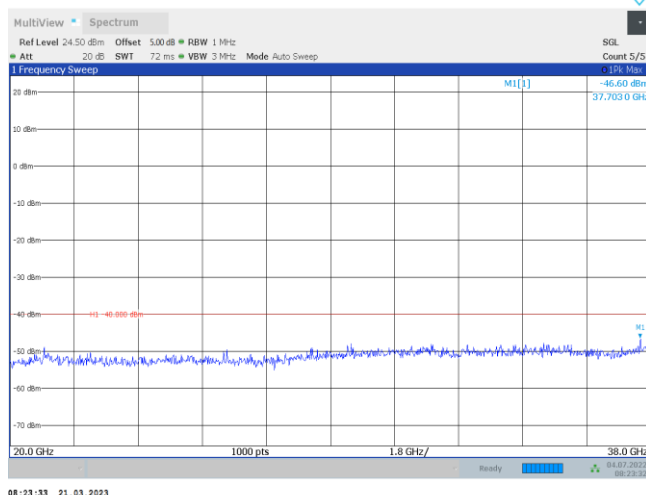
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Band48-20MHz-QPSK-56640-1RB#0-Range5:20000~38000MHz



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Field Strength of Spurious Radiation

Test Band = LTE Band48 _20MHz_3550-3700_ TM1

Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7343.525	44.44	-43.09	36.52	-57.39	-13.00	44.39	284	240	Horizontal
2	7656.325	42.74	-42.86	36.50	-58.88	-13.00	45.88	174	227	Horizontal
3	8852.9	39.27	-41.02	38.11	-58.90	-13.00	45.90	185	14	Horizontal
4	10664.725	35.32	-37.67	39.11	-58.50	-13.00	45.50	169	179	Horizontal
5	12163.175	34.06	-37.14	39.10	-59.24	-13.00	46.24	153	271	Horizontal
6	14492.5	32.98	-34.29	40.02	-56.56	-13.00	43.56	146	359	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7343.525	47.46	-43.09	36.52	-54.37	-13.00	41.37	125	209	Vertical
2	7656.325	44.81	-42.86	36.50	-56.81	-13.00	43.81	148	344	Vertical
3	7968.55	44.30	-42.32	36.97	-56.31	-13.00	43.31	178	353	Vertical
4	11233.4	34.68	-36.81	39.11	-58.28	-13.00	45.28	198	14	Vertical
5	14218.8	35.13	-35.41	40.22	-55.33	-13.00	42.33	145	166	Vertical
6	17031.125	38.81	-33.71	38.52	-51.65	-13.00	38.65	153	29	Vertical



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Test Band = LTE Band48 _20MHz_3550-3700_ TM1

Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7343.525	44.97	-43.09	36.52	-56.86	-13.00	43.86	125	225	Horizontal
2	7656.325	42.73	-42.86	36.50	-58.89	-13.00	45.89	148	46	Horizontal
3	8799.425	39.22	-41.14	38.08	-59.10	-13.00	46.10	175	330	Horizontal
4	11229.375	34.82	-36.79	39.11	-58.12	-13.00	45.12	136	239	Horizontal
5	13695.55	33.94	-35.99	40.06	-57.25	-13.00	44.25	256	90	Horizontal
6	15775.325	32.02	-33.11	38.23	-58.12	-13.00	45.12	291	194	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7343.525	46.27	-43.09	36.52	-55.56	-13.00	42.56	125	209	Vertical
2	7656.325	45.16	-42.86	36.50	-56.46	-13.00	43.46	142	344	Vertical
3	7968.55	44.22	-42.32	36.97	-56.39	-13.00	43.39	136	358	Vertical
4	10780.875	36.28	-38.28	39.20	-58.06	-13.00	45.06	259	317	Vertical
5	11406.475	35.27	-37.45	39.10	-58.33	-13.00	45.33	199	165	Vertical
6	17031.125	39.33	-33.71	38.52	-51.13	-13.00	38.13	184	29	Vertical



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Test Band = LTE Band48 _20MHz_3550-3700_ TM1

Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7343.525	45.30	-43.09	36.52	-56.53	-13.00	43.53	258	225	Horizontal
2	7656.325	44.84	-42.86	36.50	-56.78	-13.00	43.78	174	224	Horizontal
3	8810.35	39.55	-41.12	38.09	-58.74	-13.00	45.74	122	360	Horizontal
4	10717.05	34.59	-37.66	39.15	-59.17	-13.00	46.17	261	225	Horizontal
5	12810.625	33.47	-36.65	39.64	-58.80	-13.00	45.80	154	207	Horizontal
6	14497.675	32.21	-34.25	40.01	-57.29	-13.00	44.29	153	72	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7343.525	46.51	-43.09	36.52	-55.32	-13.00	42.32	125	209	Vertical
2	7656.325	45.55	-42.86	36.50	-56.07	-13.00	43.07	146	344	Vertical
3	7968.55	44.03	-42.32	36.97	-56.58	-13.00	43.58	199	331	Vertical
4	11093.675	35.50	-37.74	39.09	-58.41	-13.00	45.41	184	360	Vertical
5	14218.8	33.99	-35.41	40.22	-56.47	-13.00	43.47	175	166	Vertical
6	17031.125	39.43	-33.71	38.52	-51.03	-13.00	38.03	136	29	Vertical



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Test Band = LTE 2A_48A_ TM1
Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702	48.33	-45.51	29.98	-62.46	-13.00	49.46	158	90	Horizontal
2	5553	46.78	-45.15	32.97	-60.66	-13.00	47.66	249	4	Horizontal
3	7404.3600	52.95	-43.40	36.49	-49.22	-13.00	36.22	156	344	Horizontal
4	10653.2700	32.48	-38.15	39.10	-61.83	-13.00	48.83	235	61	Horizontal
5	14204.3600	29.90	-35.34	40.23	-60.48	-13.00	47.48	187	256	Horizontal
6	17755.4500	32.89	-34.36	40.53	-56.20	-13.00	43.20	216	4	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3702	53.94	-45.51	29.98	-56.85	-13.00	43.85	227	90	Vertical
2	5553	54.51	-45.15	32.97	-52.93	-13.00	39.93	149	289	Vertical
3	7404.3600	63.81	-43.40	36.49	-38.36	-13.00	25.36	268	304	Vertical
4	10653.2700	33.18	-38.15	39.10	-61.13	-13.00	48.13	257	150	Vertical
5	14204.3600	29.64	-35.34	40.23	-60.74	-13.00	47.74	146	213	Vertical
6	17755.4500	32.37	-34.36	40.53	-56.72	-13.00	43.72	203	16	Vertical



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Test Band = LTE 2A_48A_ TM1

Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.1800	46.30	-45.68	30.12	-64.52	-13.00	51.52	228	310	Horizontal
2	5613	47.56	-45.04	33.07	-59.67	-13.00	46.67	179	359	Horizontal
3	7484.25	52.25	-43.18	36.45	-49.74	-13.00	36.74	259	349	Horizontal
4	10848.2700	32.26	-38.22	39.18	-62.04	-13.00	49.04	264	82	Horizontal
5	14464.3600	28.89	-34.83	40.03	-61.16	-13.00	48.16	132	360	Horizontal
6	16973.25	32.56	-33.51	38.49	-57.73	-13.00	44.73	158	248	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3742.1800	49.63	-45.68	30.12	-61.19	-13.00	48.19	258	72	Vertical
2	5613	55.33	-45.04	33.07	-51.90	-13.00	38.90	165	314	Vertical
3	7484.25	62.91	-43.18	36.45	-39.08	-13.00	26.08	227	105	Vertical
4	10848.2700	32.69	-38.22	39.18	-61.61	-13.00	48.61	145	269	Vertical
5	14464.3600	29.26	-34.83	40.03	-60.79	-13.00	47.79	229	344	Vertical
6	17190.75	33.67	-34.94	38.60	-57.93	-13.00	44.93	262	3	Vertical



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Test Band = LTE 2A_48A_ TM1

Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.1800	47.45	-45.85	30.27	-63.39	-13.00	50.39	175	312	Horizontal
2	5673.2700	47.90	-44.91	33.29	-58.98	-13.00	45.98	153	359	Horizontal
3	7564.3600	51.12	-43.00	36.41	-50.74	-13.00	37.74	217	342	Horizontal
4	9321	37.75	-40.14	38.43	-59.22	-13.00	46.22	189	13	Horizontal
5	11043.2700	32.57	-37.90	39.08	-61.51	-13.00	48.51	205	148	Horizontal
6	14724.3600	29.67	-34.81	39.77	-60.63	-13.00	47.63	174	43	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3782.1800	51.03	-45.85	30.27	-59.81	-13.00	46.81	255	44	Vertical
2	5673	56.01	-44.91	33.29	-50.87	-13.00	37.87	194	290	Vertical
3	7564.3600	59.97	-43.00	36.41	-41.89	-13.00	28.89	271	108	Vertical
4	9455.25	38.43	-40.05	38.48	-58.40	-13.00	45.40	208	322	Vertical
5	11043.2700	32.62	-37.90	39.08	-61.46	-13.00	48.46	158	153	Vertical
6	14724.3600	29.41	-34.81	39.77	-60.89	-13.00	47.89	289	322	Vertical



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Test Band = LTE 4A_48A_ TM1

Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.1800	55.56	-46.28	29.45	-56.53	-13.00	43.53	284	300	Horizontal
2	5133.2700	41.63	-45.34	32.95	-66.02	-13.00	53.02	163	105	Horizontal
3	6844.3600	52.32	-44.14	35.89	-51.19	-13.00	38.19	215	342	Horizontal
4	10653.2700	34.88	-38.15	39.10	-59.43	-13.00	46.43	167	283	Horizontal
5	14204.3600	30.96	-35.34	40.23	-59.42	-13.00	46.42	274	57	Horizontal
6	17755.4500	33.50	-34.36	40.53	-55.59	-13.00	42.59	156	3	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.1800	60.35	-46.28	29.45	-51.74	-13.00	38.74	225	151	Vertical
2	5133	47.54	-45.34	32.95	-60.11	-13.00	47.11	169	317	Vertical
3	6844.3600	63.70	-44.14	35.89	-39.81	-13.00	26.81	231	300	Vertical
4	10653.2700	34.60	-38.15	39.10	-59.71	-13.00	46.71	129	255	Vertical
5	14204.3600	31.00	-35.34	40.23	-59.38	-13.00	46.38	214	286	Vertical
6	17755.4500	33.67	-34.36	40.53	-55.42	-13.00	42.42	187	360	Vertical



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Test Band = LTE 4A_48A_ TM1

Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3447.1800	49.76	-46.27	29.47	-62.30	-13.00	49.30	259	359	Horizontal
2	5170.7700	42.11	-45.31	32.97	-65.48	-13.00	52.48	141	360	Horizontal
3	6894.3600	49.38	-44.10	35.95	-54.03	-13.00	41.03	266	134	Horizontal
4	9324.75	38.17	-40.12	38.43	-58.78	-13.00	45.78	155	151	Horizontal
5	10848.2700	33.55	-38.22	39.18	-60.75	-13.00	47.75	138	14	Horizontal
6	14464.3600	31.57	-34.83	40.03	-58.48	-13.00	45.48	219	224	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3447	57.81	-46.27	29.47	-54.25	-13.00	41.25	201	210	Vertical
2	5170.7700	45.69	-45.31	32.97	-61.90	-13.00	48.90	188	314	Vertical
3	6894	60.39	-44.10	35.95	-43.02	-13.00	30.02	215	120	Vertical
4	8852.25	39.64	-41.24	38.11	-58.75	-13.00	45.75	157	163	Vertical
5	10848.2700	33.51	-38.22	39.18	-60.79	-13.00	47.79	296	29	Vertical
6	14464.3600	31.65	-34.83	40.03	-58.40	-13.00	45.40	134	360	Vertical



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Test Band = LTE 4A_48A_ TM1

Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3472.1800	48.70	-46.27	29.50	-63.33	-13.00	50.33	164	3	Horizontal
2	5208.2700	42.30	-45.26	32.98	-65.24	-13.00	52.24	275	269	Horizontal
3	6944.25	51.67	-43.86	36.01	-51.43	-13.00	38.43	256	343	Horizontal
4	8812.5	39.51	-41.25	38.09	-58.91	-13.00	45.91	140	360	Horizontal
5	11043.2700	34.04	-37.90	39.08	-60.04	-13.00	47.04	163	135	Horizontal
6	14724.3600	31.26	-34.81	39.77	-59.04	-13.00	46.04	229	179	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3472.1800	55.23	-46.27	29.50	-56.80	-13.00	43.80	141	194	Vertical
2	4531.5	47.34	-45.70	31.64	-61.98	-13.00	48.98	258	180	Vertical
3	5208	47.83	-45.26	32.98	-59.71	-13.00	46.71	166	90	Vertical
4	6944.25	62.99	-43.86	36.01	-40.11	-13.00	27.11	239	121	Vertical
5	11043.2700	33.32	-37.90	39.08	-60.76	-13.00	47.76	150	270	Vertical
6	14724.3600	30.36	-34.81	39.77	-59.94	-13.00	46.94	216	121	Vertical



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