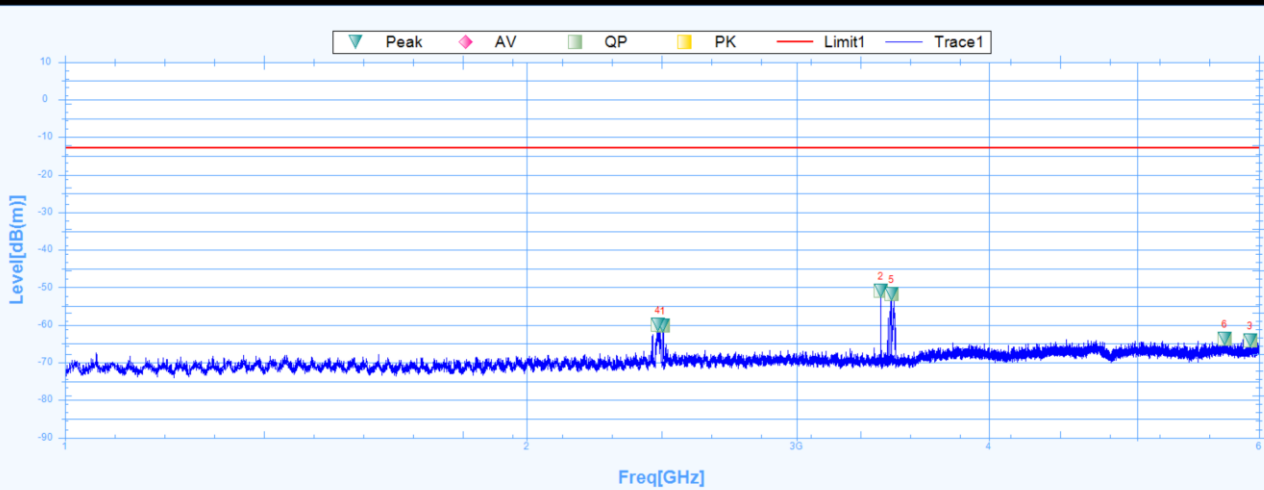


Report No.: WSCT-ANAB-R&E241100057A-RF

Band 13:

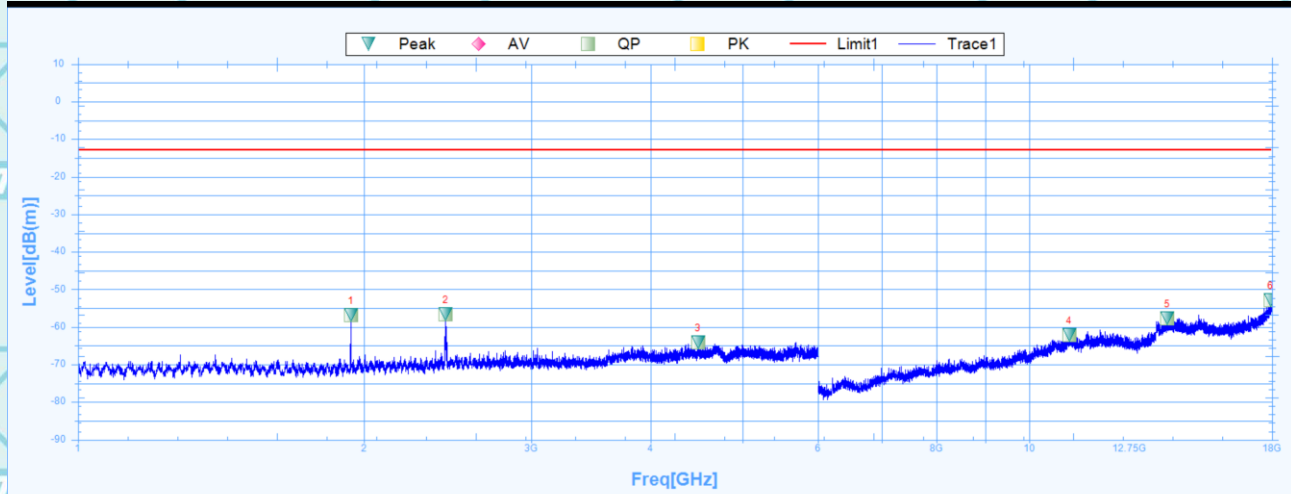
Horizontal:



Suspected Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2435.0000	-59.88	27.38	-87.26	-13	-46.88	-0.2	Horizontal	PK	Pass
1	2435.0000		27.38		54		-0.2	Horizontal	AV	Pass
2	2453.1250	-60.14	27.44	-87.58	-13	-47.14	6.6	Horizontal	PK	Pass
2	2453.1250		27.44		54		6.6	Horizontal	AV	Pass
3	3403.1250	-50.9	28.44	-79.34	-13	-37.9	193	Horizontal	PK	Pass
3	3403.1250		28.44		54		193	Horizontal	AV	Pass
4	3457.5000	-51.88	28.47	-80.35	-13	-38.88	12.9	Horizontal	PK	Pass
4	3457.5000		28.47		54		12.9	Horizontal	AV	Pass
5	5700.0000	-63.64	32.32	-95.96	-13	-50.64	283	Horizontal	PK	Pass
5	5700.0000		32.32		54		283	Horizontal	AV	Pass
6	5922.5000	-64.15	32.68	-96.83	-13	-51.15	197.8	Horizontal	PK	Pass
6	5922.5000		32.68		54		197.8	Horizontal	AV	Pass

Vertical:



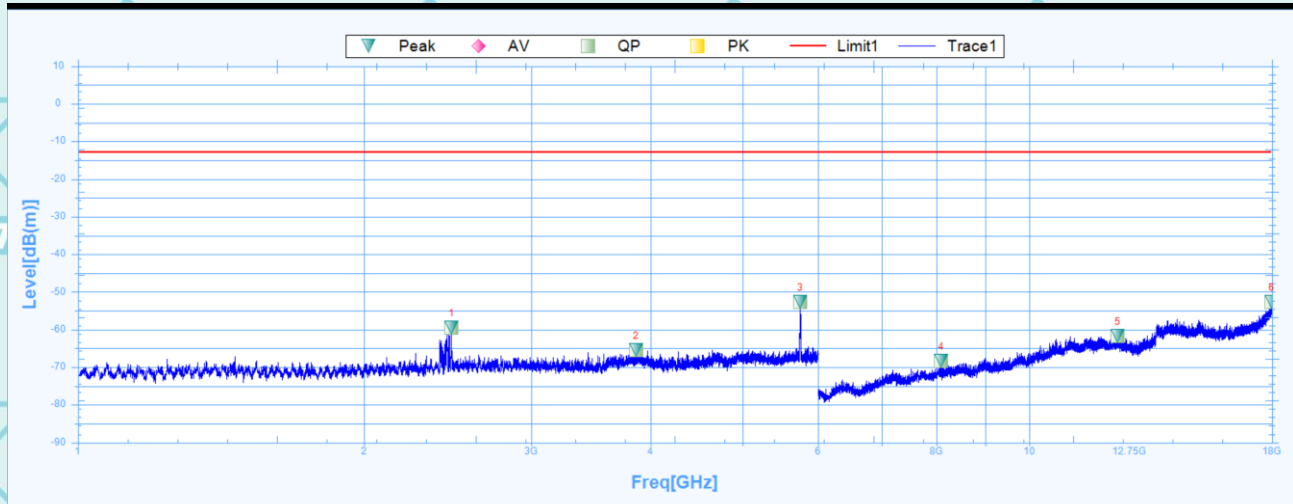
Suspected Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1936.8750	-56.96	25.62	-82.58	-13	-43.96	135.6	Vertical	PK	Pass
1	1936.8750		25.62		54		135.6	Vertical	AV	Pass
2	2437.5000	-56.66	27.39	-84.05	-13	-43.66	274.2	Vertical	PK	Pass
2	2437.5000		27.39		54		274.2	Vertical	AV	Pass
3	4488.7500	-64.17	30.58	-94.75	-13	-51.17	1.1	Vertical	PK	Pass
3	4488.7500		30.58		54		1.1	Vertical	AV	Pass
4	11022.0000	-62.14	39.48	-101.62	-13	-49.14	186.2	Vertical	PK	Pass
4	11022.0000		39.48		54		186.2	Vertical	AV	Pass
5	13978.5000	-57.72	41.44	-99.16	-13	-44.72	-0.1	Vertical	PK	Pass
5	13978.5000		41.44		54		-0.1	Vertical	AV	Pass
6	17943.0000	-52.82	46.12	-98.94	-13	-39.82	155	Vertical	PK	Pass
6	17943.0000		46.12		54		155	Vertical	AV	Pass

Report No.: WSCT-ANAB-R&E241100057A-RF

Band 17:

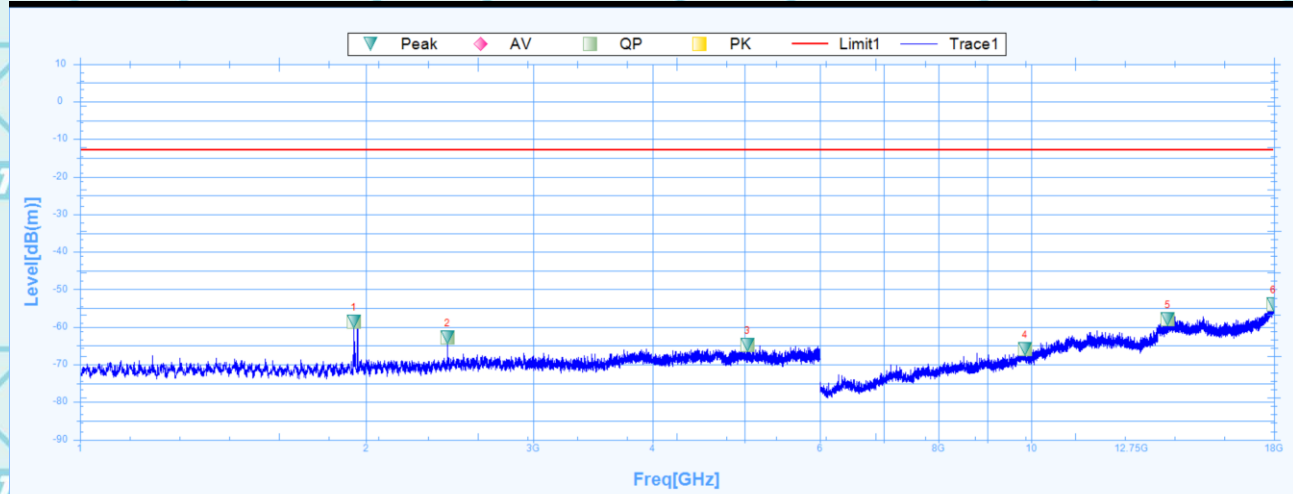
Horizontal:



Suspected Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2470.6250	-59.57	27.5	-87.07	-13	-46.57	122.4	Horizontal	PK	Pass
1	2470.6250		27.5		54		122.4	Horizontal	AV	Pass
2	3864.3750	-65.45	29.37	-94.82	-13	-52.45	172.6	Horizontal	PK	Pass
2	3864.3750		29.37		54		172.6	Horizontal	AV	Pass
3	5750.6250	-52.62	32.4	-85.02	-13	-39.62	143.9	Horizontal	PK	Pass
3	5750.6250		32.4		54		143.9	Horizontal	AV	Pass
4	8088.0000	-68.42	8.46	-76.88	-13	-55.42	14.1	Horizontal	PK	Pass
4	8088.0000		8.46		54		14.1	Horizontal	AV	Pass
5	12396.0000	-61.63	16.47	-78.1	-13	-48.63	231.7	Horizontal	PK	Pass
5	12396.0000		16.47		54		231.7	Horizontal	AV	Pass
6	17998.5000	-52.73	23.92	-76.65	-13	-39.73	347	Horizontal	PK	Pass
6	17998.5000		23.92		54		347	Horizontal	AV	Pass

Vertical:

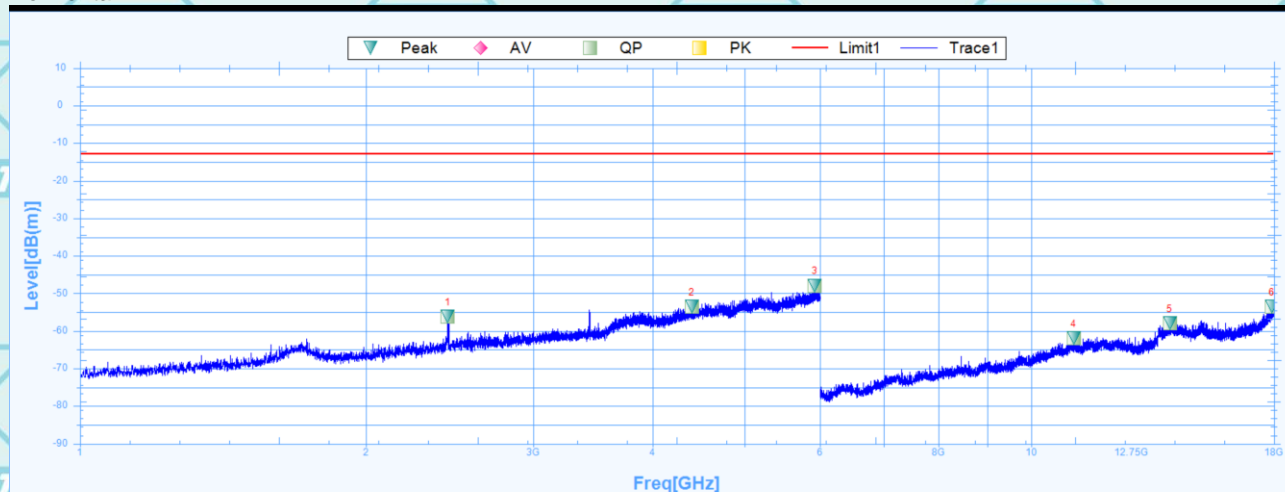


Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1941.2500	-58.6	25.64	-84.24	-13	-45.6	161.1	Vertical	PK	Pass
1	1941.2500		25.64		54		161.1	Vertical	AV	Pass
2	2435.6250	-62.85	27.38	-90.23	-13	-49.85	164.7	Vertical	PK	Pass
2	2435.6250		27.38		54		164.7	Vertical	AV	Pass
3	5035.0000	-64.76	31.63	-96.39	-13	-51.76	7.1	Vertical	PK	Pass
3	5035.0000		31.63		54		7.1	Vertical	AV	Pass
4	9858.0000	-65.99	12.04	-78.03	-13	-52.99	133	Vertical	PK	Pass
4	9858.0000		12.04		54		133	Vertical	AV	Pass
5	13924.5000	-57.96	18.9	-76.86	-13	-44.96	31.4	Vertical	PK	Pass
5	13924.5000		18.9		54		31.4	Vertical	AV	Pass
6	17977.5000	-54.05	23.77	-77.82	-13	-41.05	357	Vertical	PK	Pass
6	17977.5000		23.77		54		357	Vertical	AV	Pass

Band 38:

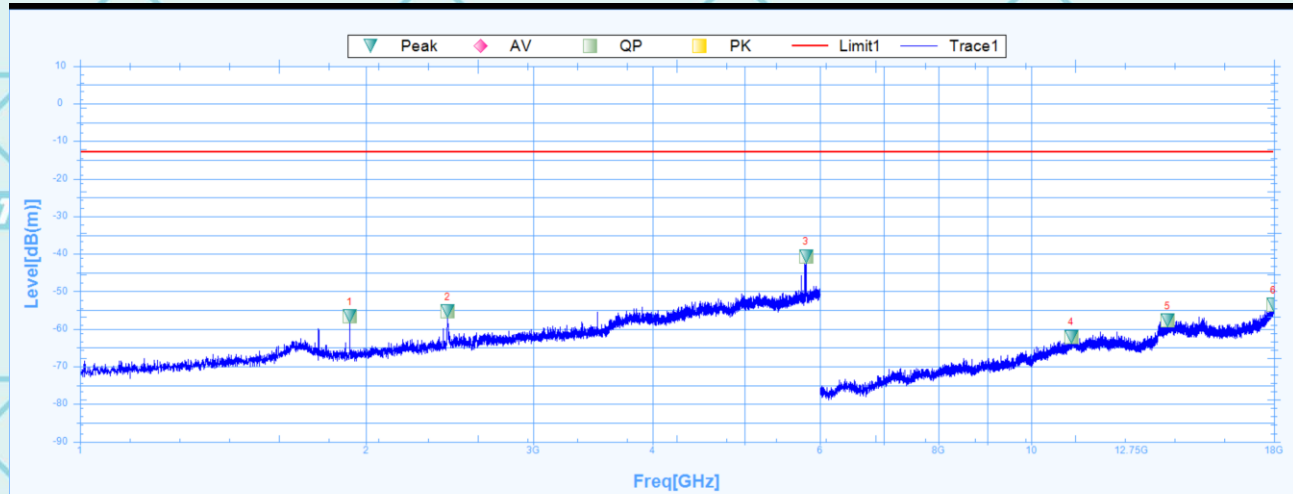
Horizontal:



Suspected Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2436.8750	-56.26	27.39	-83.65	-13	-43.26	342.4	Horizontal	PK	Pass
1	2436.8750		27.39		54		342.4	Horizontal	AV	Pass
2	4399.3750	-53.47	30.42	-83.89	-13	-40.47	129.6	Horizontal	PK	Pass
2	4399.3750		30.42		54		129.6	Horizontal	AV	Pass
3	5927.5000	-47.91	32.68	-80.59	-13	-34.91	350.2	Horizontal	PK	Pass
3	5927.5000		32.68		54		350.2	Horizontal	AV	Pass
4	11088.0000	-61.91	15.89	-77.8	-13	-48.91	359.4	Horizontal	PK	Pass
4	11088.0000		15.89		54		359.4	Horizontal	AV	Pass
5	13987.5000	-57.87	19.09	-76.96	-13	-44.87	291.4	Horizontal	PK	Pass
5	13987.5000		19.09		54		291.4	Horizontal	AV	Pass
6	17913.0000	-53.53	23.34	-76.87	-13	-40.53	0	Horizontal	PK	Pass
6	17913.0000		23.34		54		0	Horizontal	AV	Pass

Vertical:



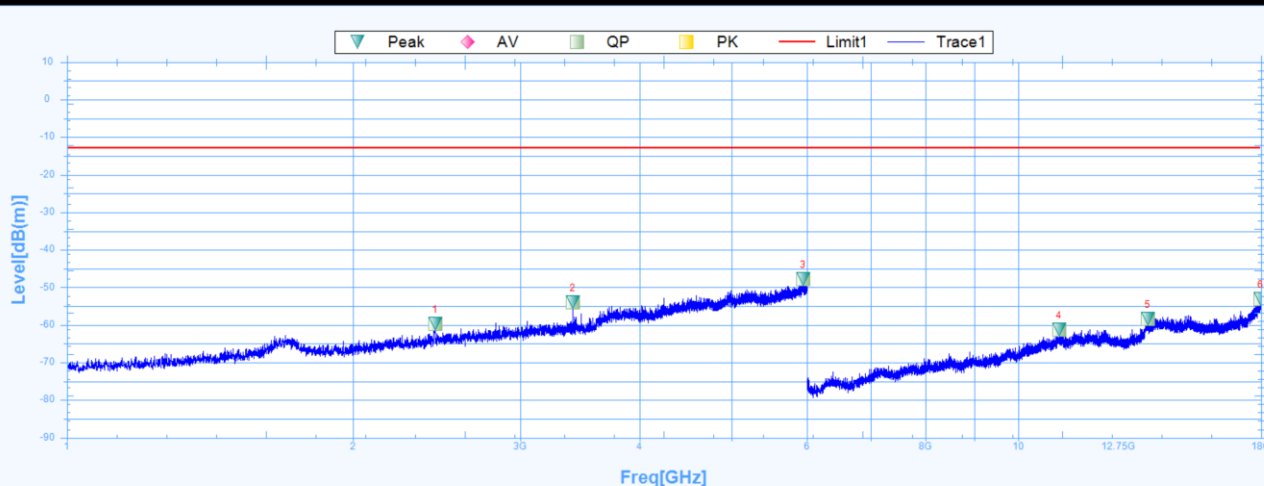
Suspected Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1921.8750	-56.71	25.55	-82.26	-13	-43.71	77	Vertical	PK	Pass
1	1921.8750		25.55		54		77	Vertical	AV	Pass
2	2436.2500	-55.27	27.38	-82.65	-13	-42.27	352.9	Vertical	PK	Pass
2	2436.2500		27.38		54		352.9	Vertical	AV	Pass
3	5799.3750	-40.63	32.48	-73.11	-13	-27.63	0.5	Vertical	PK	Pass
3	5799.3750		32.48		54		0.5	Vertical	AV	Pass
4	11017.5000	-62.06	15.67	-77.73	-13	-49.06	185	Vertical	PK	Pass
4	11017.5000		15.67		54		185	Vertical	AV	Pass
5	13918.5000	-57.72	18.88	-76.6	-13	-44.72	0	Vertical	PK	Pass
5	13918.5000		18.88		54		0	Vertical	AV	Pass
6	17980.5000	-53.52	23.79	-77.31	-13	-40.52	61.8	Vertical	PK	Pass
6	17980.5000		23.79		54		61.8	Vertical	AV	Pass

Report No.: WSCT-ANAB-R&E241100057A-RF

Band 41:

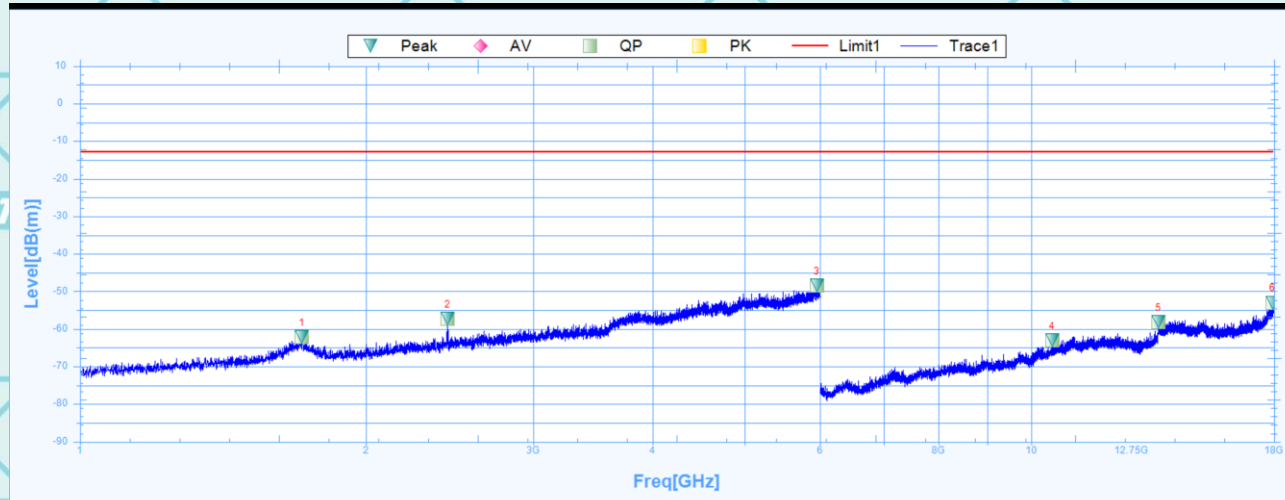
Horizontal:



Suspected Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2438.7500	-59.71	27.39	-87.1	-13	-46.71	318.5	Horizontal	PK	Pass
1	2438.7500		27.39		54		318.5	Horizontal	AV	Pass
2	3405.0000	-54.03	28.44	-82.47	-13	-41.03	38.7	Horizontal	PK	Pass
2	3405.0000		28.44		54		38.7	Horizontal	AV	Pass
3	5946.8750	-47.73	32.71	-80.44	-13	-34.73	331.6	Horizontal	PK	Pass
3	5946.8750		32.71		54		331.6	Horizontal	AV	Pass
4	11044.5000	-61.33	15.76	-77.09	-13	-48.33	-0.1	Horizontal	PK	Pass
4	11044.5000		15.76		54		-0.1	Horizontal	AV	Pass
5	13686.0000	-58.39	18.22	-76.61	-13	-45.39	150.3	Horizontal	PK	Pass
5	13686.0000		18.22		54		150.3	Horizontal	AV	Pass
6	17992.5000	-53.1	23.88	-76.98	-13	-40.1	290.2	Horizontal	PK	Pass
6	17992.5000		23.88		54		290.2	Horizontal	AV	Pass

Vertical:



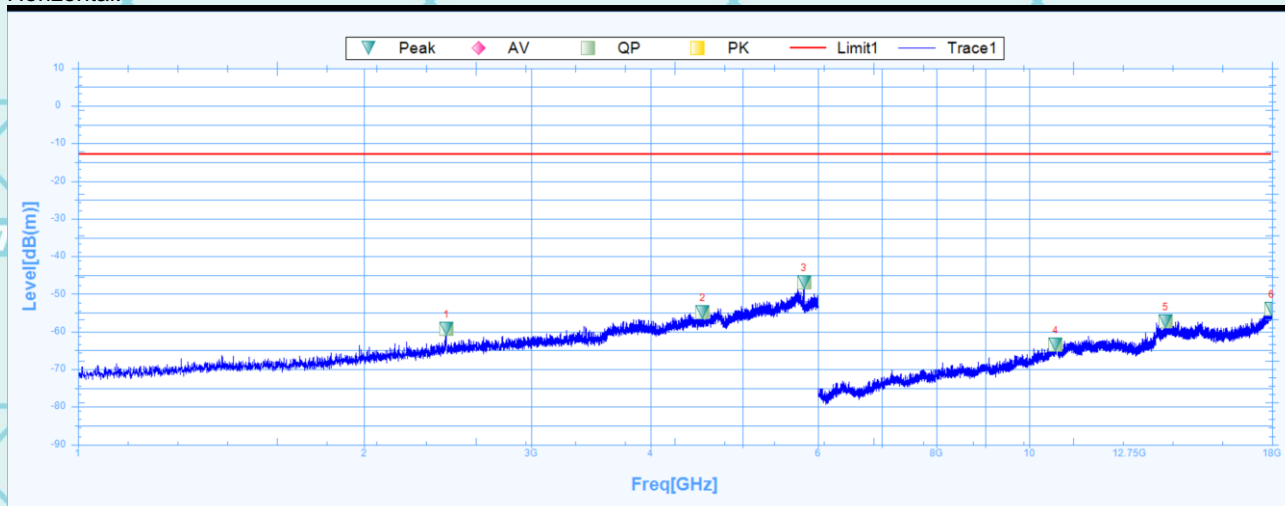
Suspected Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1712.5000	-62.12	24.96	-87.08	-13	-49.12	274.2	Vertical	PK	Pass
1	1712.5000		24.96		54		274.2	Vertical	AV	Pass
2	2436.8750	-57.36	27.39	-84.75	-13	-44.36	57.8	Vertical	PK	Pass
2	2436.8750		27.39		54		57.8	Vertical	AV	Pass
3	5955.6250	-48.52	32.73	-81.25	-13	-35.52	194.2	Vertical	PK	Pass
3	5955.6250		32.73		54		194.2	Vertical	AV	Pass
4	10522.5000	-63.07	14.02	-77.09	-13	-50.07	344.9	Vertical	PK	Pass
4	10522.5000		14.02		54		344.9	Vertical	AV	Pass
5	13614.0000	-58.11	18.01	-76.12	-13	-45.11	352.9	Vertical	PK	Pass
5	13614.0000		18.01		54		352.9	Vertical	AV	Pass
6	17938.5000	-53	23.51	-76.51	-13	-40	43.9	Vertical	PK	Pass
6	17938.5000		23.51		54		43.9	Vertical	AV	Pass

Report No.: WSCT-ANAB-R&E241100057A-RF

Band 42(3450-3550Mhz):

Horizontal:

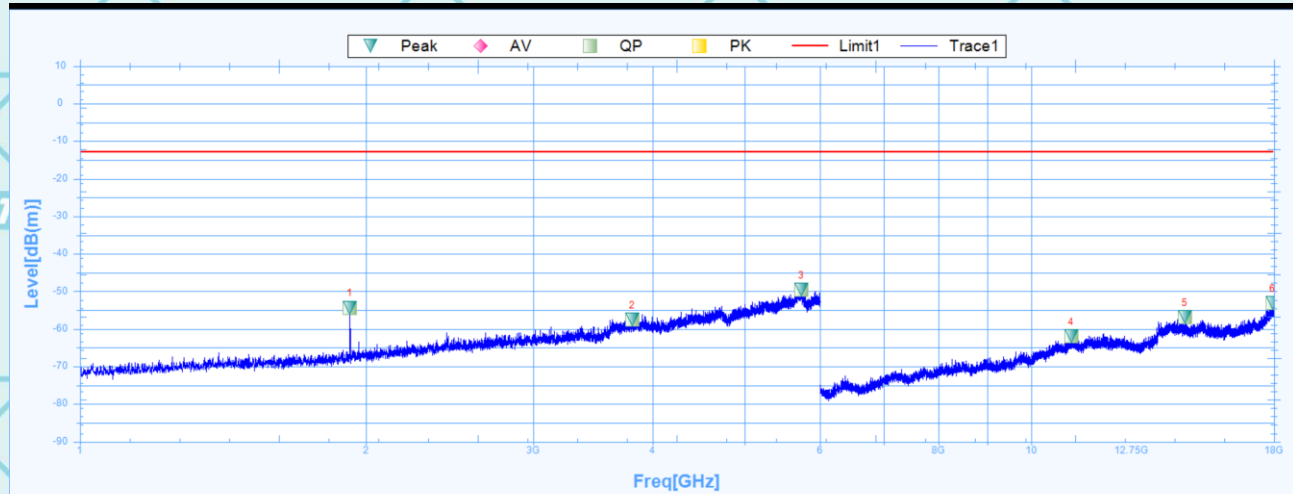


Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2441.2500	-59.36	27.4	-86.76	-13	-46.36	232.5	Horizontal	PK	Pass
1	2441.2500		27.4		54		232.5	Horizontal	AV	Pass
2	4539.3750	-54.96	30.68	-85.64	-13	-41.96	257.5	Horizontal	PK	Pass
2	4539.3750		30.68		54		257.5	Horizontal	AV	Pass
3	5800.6250	-46.82	32.48	-79.3	-13	-33.82	172.7	Horizontal	PK	Pass
3	5800.6250		32.48		54		172.7	Horizontal	AV	Pass
4	10665.0000	-63.56	14.54	-78.1	-13	-50.56	202.9	Horizontal	PK	Pass
4	10665.0000		14.54		54		202.9	Horizontal	AV	Pass
5	13918.5000	-57.29	18.88	-76.17	-13	-44.29	72.6	Horizontal	PK	Pass
5	13918.5000		18.88		54		72.6	Horizontal	AV	Pass
6	17988.0000	-54.05	23.84	-77.89	-13	-41.05	212.5	Horizontal	PK	Pass
6	17988.0000		23.84		54		212.5	Horizontal	AV	Pass

Report No.: WSCT-ANAB-R&E241100057A-RF

Vertical:



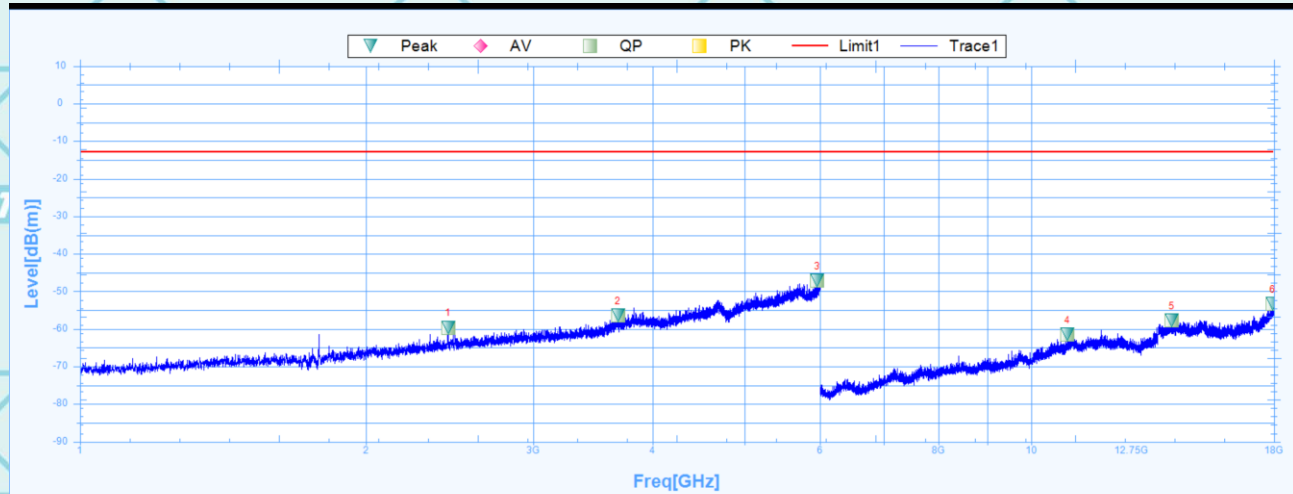
Suspected Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1922.5000	-54.32	25.55	-79.87	-13	-41.32	359.9	Vertical	PK	Pass
1	1922.5000		25.55		54		359.9	Vertical	AV	Pass
2	3808.7500	-57.56	29.24	-86.8	-13	-44.56	118.7	Vertical	PK	Pass
2	3808.7500		29.24		54		118.7	Vertical	AV	Pass
3	5736.8750	-49.62	32.38	-82	-13	-36.62	37.4	Vertical	PK	Pass
3	5736.8750		32.38		54		37.4	Vertical	AV	Pass
4	11019.0000	-61.87	15.67	-77.54	-13	-48.87	38	Vertical	PK	Pass
4	11019.0000		15.67		54		38	Vertical	AV	Pass
5	14509.5000	-56.87	18.62	-75.49	-13	-43.87	290.2	Vertical	PK	Pass
5	14509.5000		18.62		54		290.2	Vertical	AV	Pass
6	17943.0000	-53.05	23.53	-76.58	-13	-40.05	213.7	Vertical	PK	Pass
6	17943.0000		23.53		54		213.7	Vertical	AV	Pass

Report No.: WSCT-ANAB-R&E241100057A-RF

Band 66:

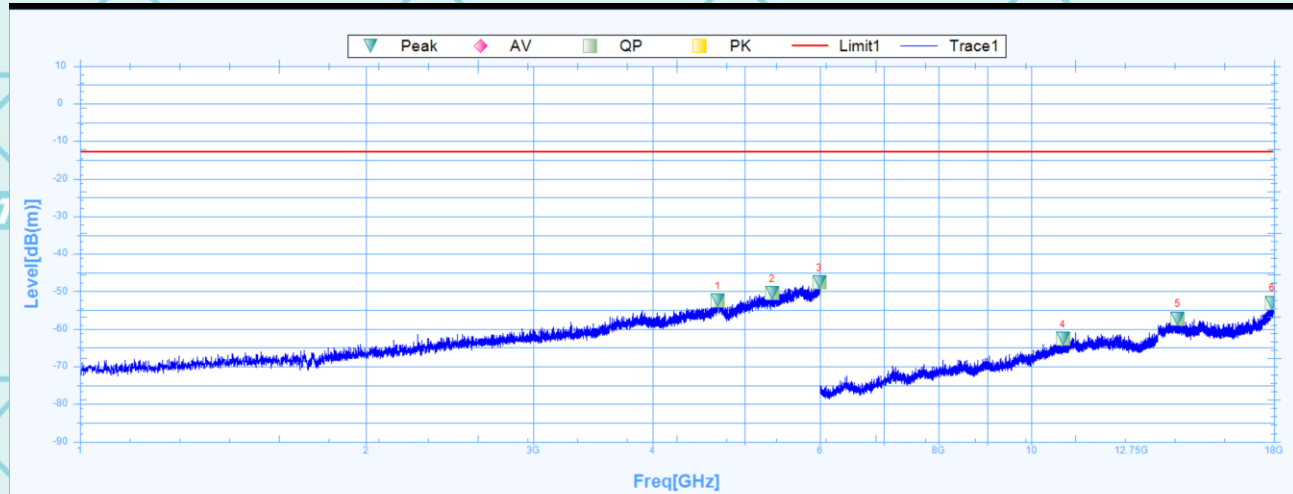
Horizontal:



Suspected Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2438.1250	-59.62	27.39	-87.01	-13	-46.62	133.2	Horizontal	PK	Pass
1	2438.1250		27.39		54		133.2	Horizontal	AV	Pass
2	3678.7500	-56.34	28.93	-85.27	-13	-43.34	66.2	Horizontal	PK	Pass
2	3678.7500		28.93		54		66.2	Horizontal	AV	Pass
3	5963.1250	-47.12	32.74	-79.86	-13	-34.12	0.5	Horizontal	PK	Pass
3	5963.1250		32.74		54		0.5	Horizontal	AV	Pass
4	10921.5000	-61.6	15.18	-76.78	-13	-48.6	127.5	Horizontal	PK	Pass
4	10921.5000		15.18		54		127.5	Horizontal	AV	Pass
5	14062.5000	-57.83	19.06	-76.89	-13	-44.83	324.8	Horizontal	PK	Pass
5	14062.5000		19.06		54		324.8	Horizontal	AV	Pass
6	17947.5000	-53.28	23.56	-76.84	-13	-40.28	320	Horizontal	PK	Pass
6	17947.5000		23.56		54		320	Horizontal	AV	Pass

Vertical:



Suspected Data List

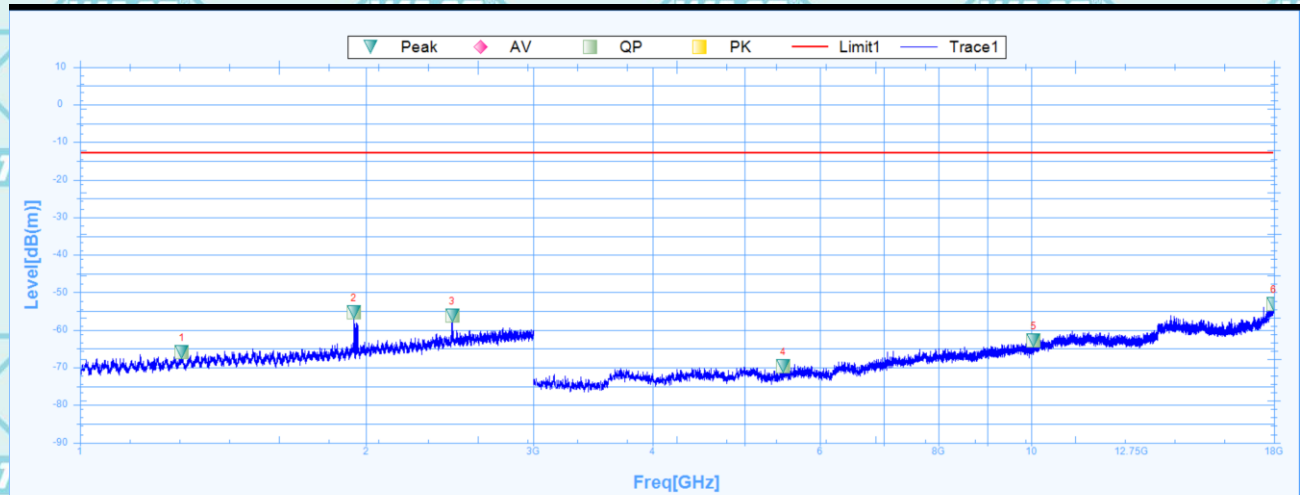
NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	4684.3750	-52.41	30.97	-83.38	-13	-39.41	35.2	Vertical	PK	Pass
1	4684.3750		30.97		54		35.2	Vertical	AV	Pass
2	5345.6250	-50.5	31.88	-82.38	-13	-37.5	232.4	Vertical	PK	Pass
2	5345.6250		31.88		54		232.4	Vertical	AV	Pass
3	5991.8750	-47.49	32.79	-80.28	-13	-34.49	118.8	Vertical	PK	Pass
3	5991.8750		32.79		54		118.8	Vertical	AV	Pass
4	10800.0000	-62.65	14.77	-77.42	-13	-49.65	11.8	Vertical	PK	Pass
4	10800.0000		14.77		54		11.8	Vertical	AV	Pass
5	14263.5000	-57.19	18.86	-76.05	-13	-44.19	8	Vertical	PK	Pass
5	14263.5000		18.86		54		8	Vertical	AV	Pass
6	17922.0000	-52.99	23.4	-76.39	-13	-39.99	357.5	Vertical	PK	Pass
6	17922.0000		23.4		54		357.5	Vertical	AV	Pass

Report No.: WSCT-ANAB-R&E241100057A-RF

NR Bands

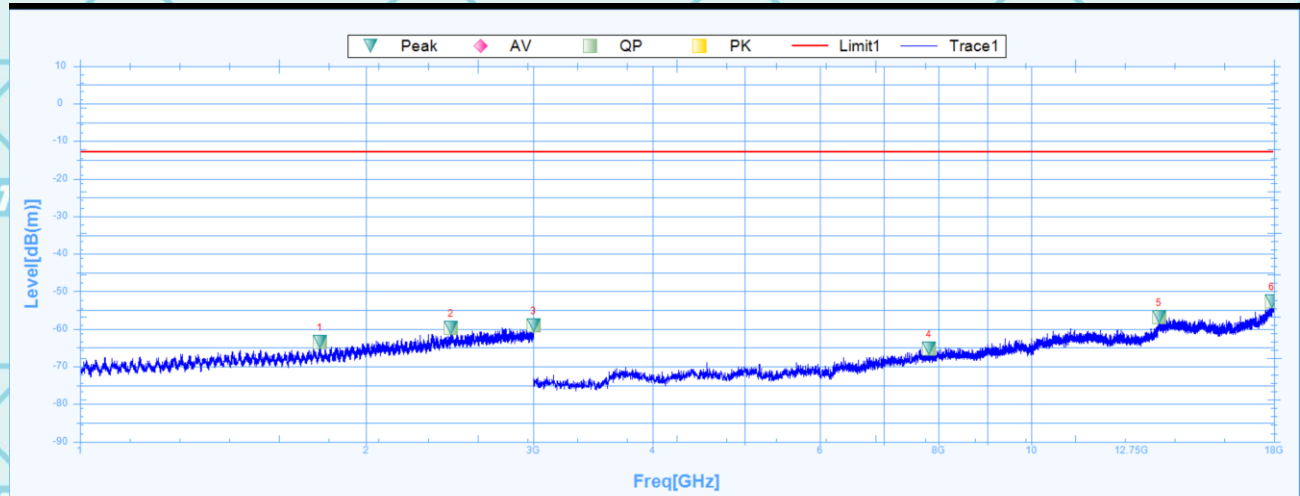
n5:

Horizontal:



Susputed Data List										
NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1280.2500	-65.85	24.68	-90.53	-13	-52.85	106.9	Horizontal	PK	Pass
1	1280.2500		24.68		54		106.9	Horizontal	AV	Pass
2	1941.5000	-55.41	25.64	-81.05	-13	-42.41	49.5	Horizontal	PK	Pass
2	1941.5000		25.64		54		49.5	Horizontal	AV	Pass
3	2463.7500	-56.18	27.48	-83.66	-13	-43.18	360.1	Horizontal	PK	Pass
3	2463.7500		27.48		54		360.1	Horizontal	AV	Pass
4	5490.0000	-69.61	31.99	-101.6	-13	-56.61	66.6	Horizontal	PK	Pass
4	5490.0000		31.99		54		66.6	Horizontal	AV	Pass
5	10065.0000	-62.75	12.54	-75.29	-13	-49.75	195.7	Horizontal	PK	Pass
5	10065.0000		12.54		54		195.7	Horizontal	AV	Pass
6	17992.5000	-53.08	23.88	-76.96	-13	-40.08	104.9	Horizontal	PK	Pass
6	17992.5000		23.88		54		104.9	Horizontal	AV	Pass

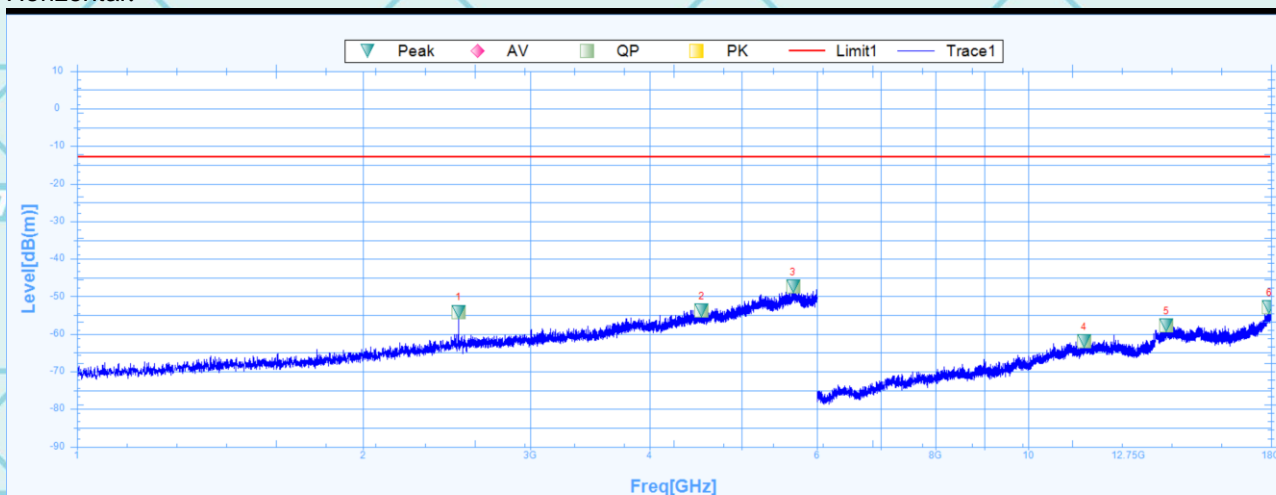
Vertical:



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1787.2500	-63.39	24.99	-88.38	-13	-50.39	111.5	Vertical	PK	Pass
1	1787.2500		24.99		54		111.5	Vertical	AV	Pass
2	2456.0000	-59.76	27.45	-87.21	-13	-46.76	104.3	Vertical	PK	Pass
2	2456.0000		27.45		54		104.3	Vertical	AV	Pass
3	2999.2500	-59.01	28.2	-87.21	-13	-46.01	137.8	Vertical	PK	Pass
3	2999.2500		28.2		54		137.8	Vertical	AV	Pass
4	7811.2500	-65.3	7.99	-73.29	-13	-52.3	143.9	Vertical	PK	Pass
4	7811.2500		7.99		54		143.9	Vertical	AV	Pass
5	13627.5000	-56.95	18.05	-75	-13	-43.95	81.8	Vertical	PK	Pass
5	13627.5000		18.05		54		81.8	Vertical	AV	Pass
6	17908.1250	-52.72	23.31	-76.03	-13	-39.72	5.8	Vertical	PK	Pass
6	17908.1250		23.31		54		5.8	Vertical	AV	Pass

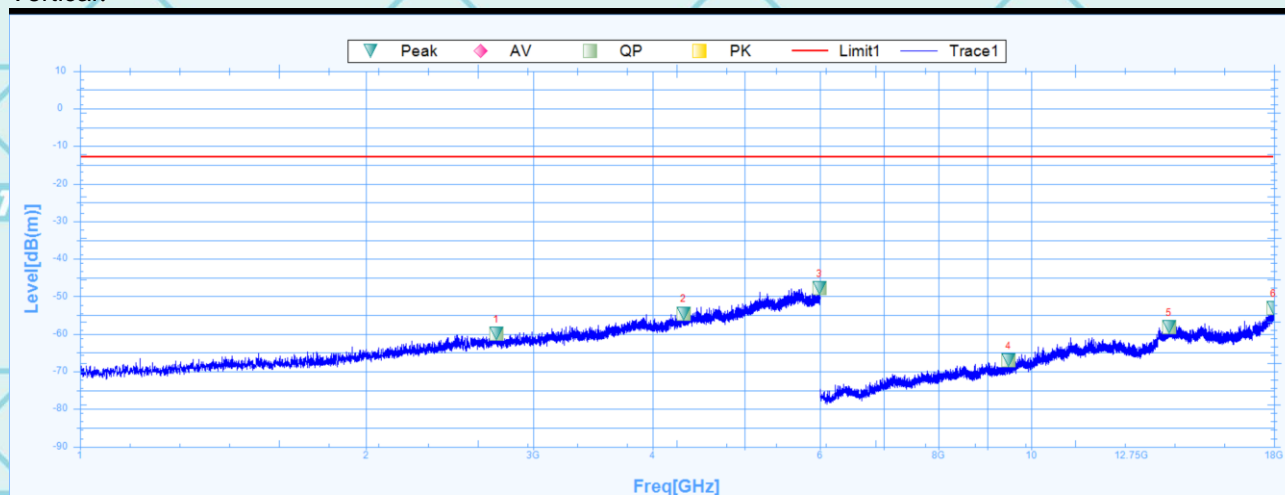
n7:
Horizontal:



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2519.3750	-54.1	27.62	-81.72	-13	-41.1	357.4	Horizontal	PK	Pass
1	2519.3750		27.62		54		357.4	Horizontal	AV	Pass
2	4540.0000	-53.68	30.68	-84.36	-13	-40.68	29.8	Horizontal	PK	Pass
2	4540.0000		30.68		54		29.8	Horizontal	AV	Pass
3	5661.8750	-47.46	32.26	-79.72	-13	-34.46	354.2	Horizontal	PK	Pass
3	5661.8750		32.26		54		354.2	Horizontal	AV	Pass
4	11454.0000	-61.84	16	-77.84	-13	-48.84	262.3	Horizontal	PK	Pass
4	11454.0000		16		54		262.3	Horizontal	AV	Pass
5	13981.5000	-57.68	19.07	-76.75	-13	-44.68	323.3	Horizontal	PK	Pass
5	13981.5000		19.07		54		323.3	Horizontal	AV	Pass
6	17934.0000	-52.93	23.48	-76.41	-13	-39.93	15.7	Horizontal	PK	Pass
6	17934.0000		23.48		54		15.7	Horizontal	AV	Pass

Vertical:



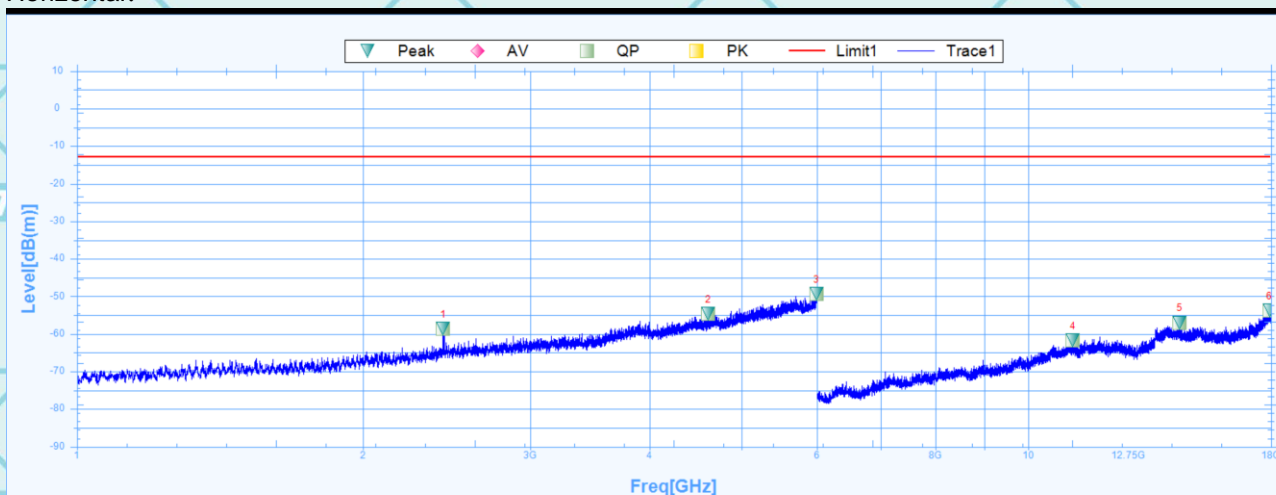
Suspected Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2739.3750	-59.92	8	-67.92	-13	-46.92	57	Vertical	PK	Pass
1	2739.3750		8		54		57	Vertical	AV	Pass
2	4311.2500	-54.55	14.47	-69.02	-13	-41.55	48.7	Vertical	PK	Pass
2	4311.2500		14.47		54		48.7	Vertical	AV	Pass
3	5993.1250	-47.8	22.97	-70.77	-13	-34.8	358.8	Vertical	PK	Pass
3	5993.1250		22.97		54		358.8	Vertical	AV	Pass
4	9468.0000	-66.98	37.73	-104.71	-13	-53.98	271.8	Vertical	PK	Pass
4	9468.0000		37.73		54		271.8	Vertical	AV	Pass
5	13963.5000	-58.16	41.41	-99.57	-13	-45.16	103.4	Vertical	PK	Pass
5	13963.5000		41.41		54		103.4	Vertical	AV	Pass
6	17976.0000	-53.07	46.34	-99.41	-13	-40.07	19.1	Vertical	PK	Pass
6	17976.0000		46.34		54		19.1	Vertical	AV	Pass

Report No.: WSCT-ANAB-R&E241100057A-RF

n12:

Horizontal:

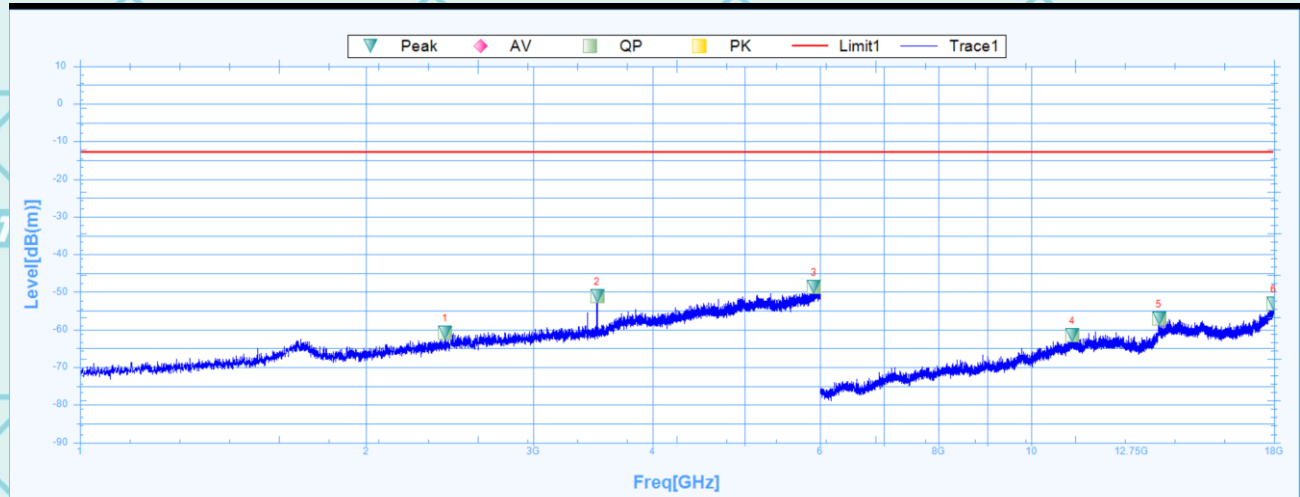


Suspected Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2428.1250	-58.6	6.31	-64.91	-13	-45.6	307	Horizontal	PK	Pass
1	2428.1250		6.31		54		307	Horizontal	AV	Pass
2	4613.1250	-54.71	15.68	-70.39	-13	-41.71	27.3	Horizontal	PK	Pass
2	4613.1250		15.68		54		27.3	Horizontal	AV	Pass
3	5995.0000	-49.44	22.99	-72.43	-13	-36.44	0	Horizontal	PK	Pass
3	5995.0000		22.99		54		0	Horizontal	AV	Pass
4	11149.5000	-61.64	39.37	-101.01	-13	-48.64	275.4	Horizontal	PK	Pass
4	11149.5000		39.37		54		275.4	Horizontal	AV	Pass
5	14436.0000	-56.97	40.93	-97.9	-13	-43.97	18.2	Horizontal	PK	Pass
5	14436.0000		40.93		54		18.2	Horizontal	AV	Pass
6	17938.5000	-53.83	46.09	-99.92	-13	-40.83	1.4	Horizontal	PK	Pass
6	17938.5000		46.09		54		1.4	Horizontal	AV	Pass

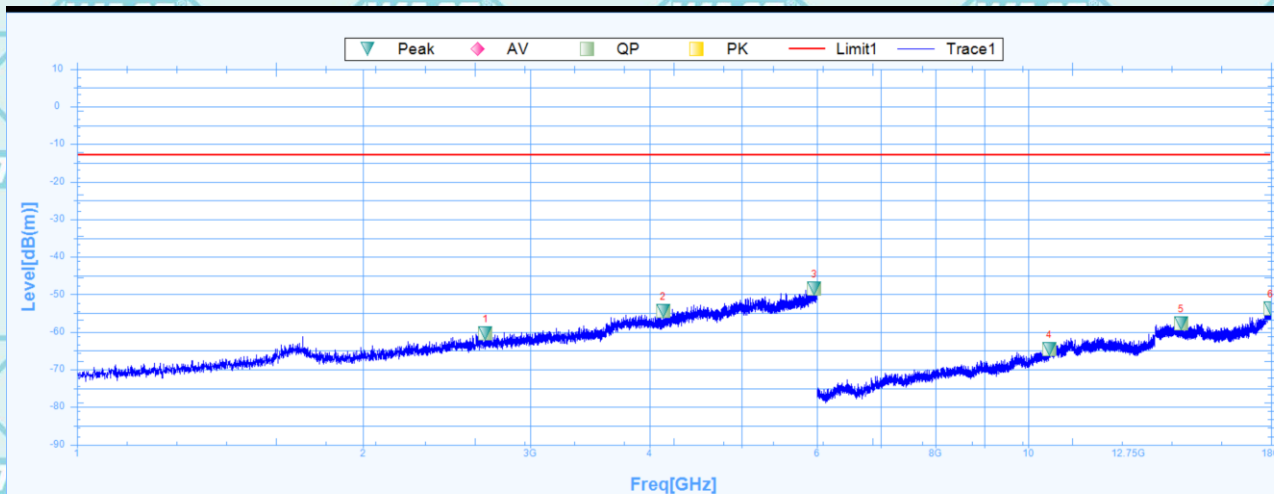
Report No.: WSCT-ANAB-R&E241100057A-RF

Vertical:



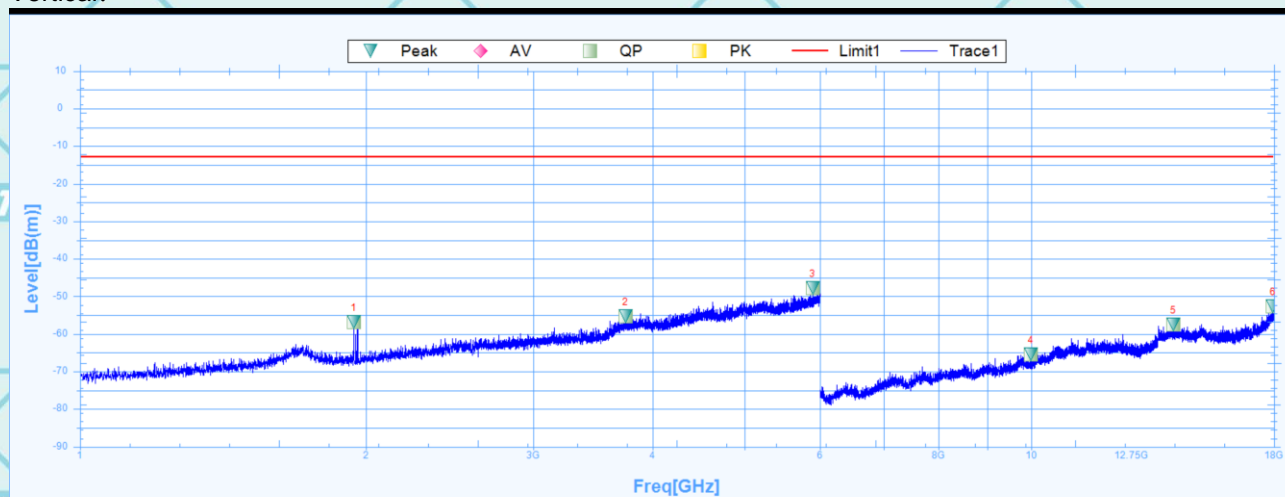
Suspected Data List										
NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2420.6250	-60.85	6.24	-67.09	-13	-47.85	359.1	Vertical	PK	Pass
1	2420.6250		6.24		54		359.1	Vertical	AV	Pass
2	3498.1250	-51.09	10.5	-61.59	-13	-38.09	143.1	Vertical	PK	Pass
2	3498.1250		10.5		54		143.1	Vertical	AV	Pass
3	5915.0000	-48.73	22.25	-70.98	-13	-35.73	359.6	Vertical	PK	Pass
3	5915.0000		22.25		54		359.6	Vertical	AV	Pass
4	11050.5000	-61.43	39.45	-100.88	-13	-48.43	1.9	Vertical	PK	Pass
4	11050.5000		39.45		54		1.9	Vertical	AV	Pass
5	13629.0000	-57.09	40.54	-97.63	-13	-44.09	13.7	Vertical	PK	Pass
5	13629.0000		40.54		54		13.7	Vertical	AV	Pass
6	17991.0000	-53.13	46.44	-99.57	-13	-40.13	343.5	Vertical	PK	Pass
6	17991.0000		46.44		54		343.5	Vertical	AV	Pass

n38:
Horizontal:



Suspected Data List										
NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2689.3750	-60.47	7.78	-68.25	-13	-47.47	149.1	Horizontal	PK	Pass
1	2689.3750		7.78		54		149.1	Horizontal	AV	Pass
2	4135.0000	-54.52	13.7	-68.22	-13	-41.52	179	Horizontal	PK	Pass
2	4135.0000		13.7		54		179	Horizontal	AV	Pass
3	5963.7500	-48.38	22.65	-71.03	-13	-35.38	260.2	Horizontal	PK	Pass
3	5963.7500		22.65		54		260.2	Horizontal	AV	Pass
4	10527.0000	-64.57	38.84	-103.41	-13	-51.57	295.8	Horizontal	PK	Pass
4	10527.0000		38.84		54		295.8	Horizontal	AV	Pass
5	14488.5000	-57.83	40.86	-98.69	-13	-44.83	301.8	Horizontal	PK	Pass
5	14488.5000		40.86		54		301.8	Horizontal	AV	Pass
6	17991.0000	-53.79	46.44	-100.23	-13	-40.79	41.1	Horizontal	PK	Pass
6	17991.0000		46.44		54		41.1	Horizontal	AV	Pass

Vertical:

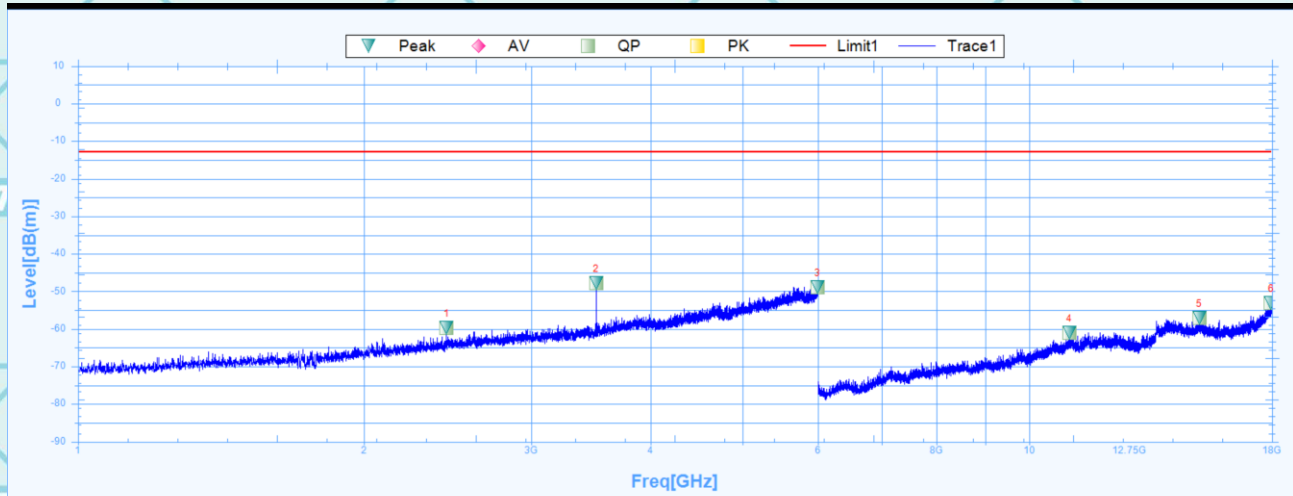


Suspected Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1941.2500	-56.83	2.9	-59.73	-13	-43.83	145	Vertical	PK	Pass
1	1941.2500		2.9		54		145	Vertical	AV	Pass
2	3747.5000	-55.28	11.89	-67.17	-13	-42.28	359.9	Vertical	PK	Pass
2	3747.5000		11.89		54		359.9	Vertical	AV	Pass
3	5893.7500	-47.88	22.12	-70	-13	-34.88	323.1	Vertical	PK	Pass
3	5893.7500		22.12		54		323.1	Vertical	AV	Pass
4	9997.5000	-65.53	38.1	-103.63	-13	-52.53	207.8	Vertical	PK	Pass
4	9997.5000		38.1		54		207.8	Vertical	AV	Pass
5	14112.0000	-57.46	41.35	-98.81	-13	-44.46	309.4	Vertical	PK	Pass
5	14112.0000		41.35		54		309.4	Vertical	AV	Pass
6	17961.0000	-52.66	46.24	-98.9	-13	-39.66	158.7	Vertical	PK	Pass
6	17961.0000		46.24		54		158.7	Vertical	AV	Pass

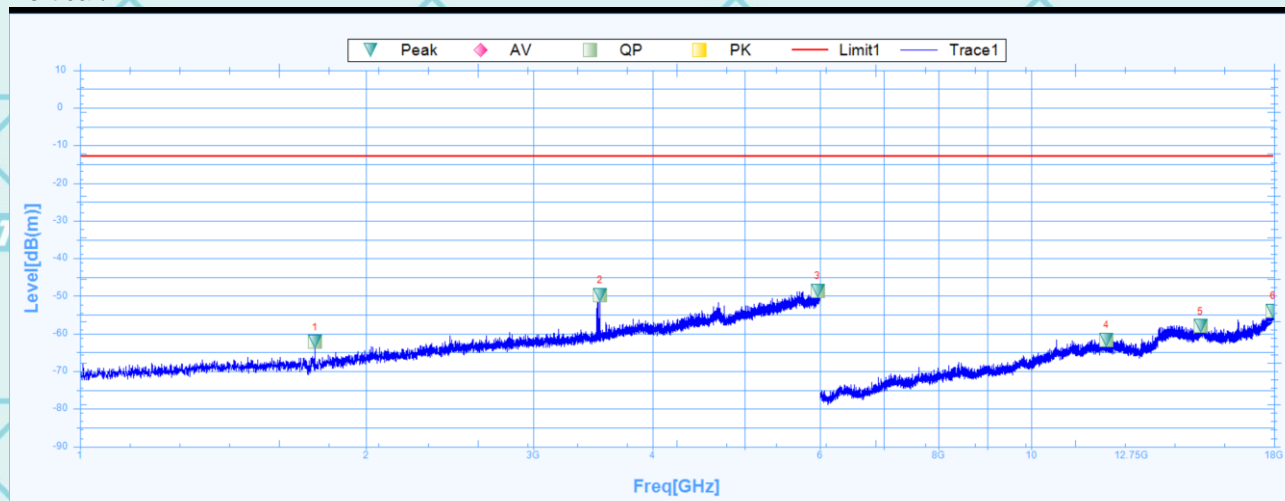
Report No.: WSCT-ANAB-R&E241100057A-RF

n41:
Horizontal:



Susputed Data List										
NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2441.8750	-59.76	6.47	-66.23	-13	-46.76	293.4	Horizontal	PK	Pass
1	2441.8750		6.47		54		293.4	Horizontal	AV	Pass
2	3507.5000	-47.86	10.58	-58.44	-13	-34.86	2.4	Horizontal	PK	Pass
2	3507.5000		10.58		54		2.4	Horizontal	AV	Pass
3	5995.6250	-48.81	22.99	-71.8	-13	-35.81	36.4	Horizontal	PK	Pass
3	5995.6250		22.99		54		36.4	Horizontal	AV	Pass
4	11025.0000	-61.07	39.48	-100.55	-13	-48.07	312.9	Horizontal	PK	Pass
4	11025.0000		39.48		54		312.9	Horizontal	AV	Pass
5	15097.5000	-57.18	39.9	-97.08	-13	-44.18	223.2	Horizontal	PK	Pass
5	15097.5000		39.9		54		223.2	Horizontal	AV	Pass
6	17971.5000	-53.2	46.31	-99.51	-13	-40.2	315.3	Horizontal	PK	Pass
6	17971.5000		46.31		54		315.3	Horizontal	AV	Pass

Vertical:



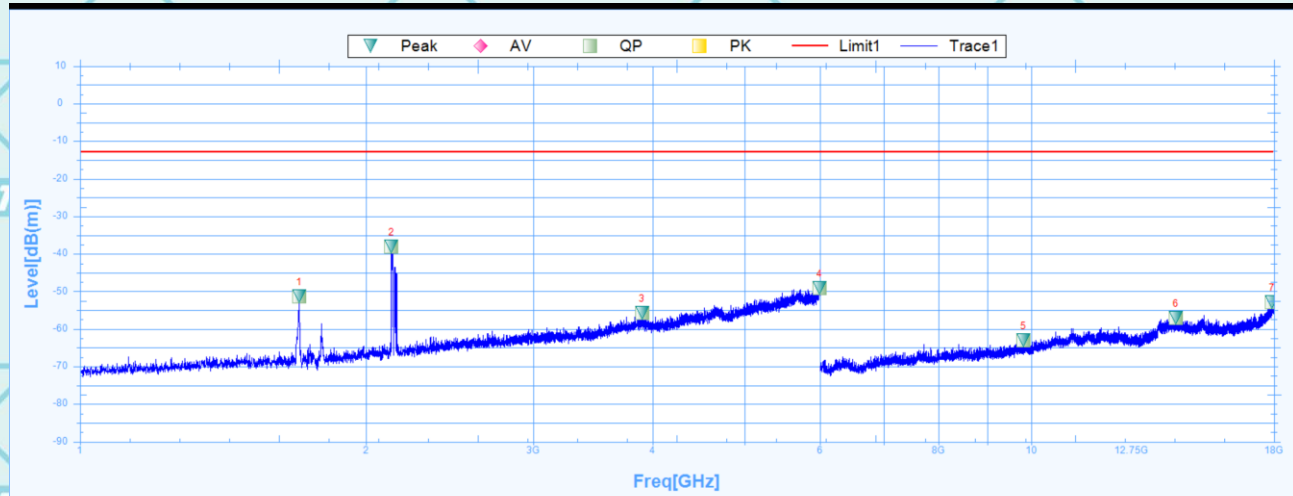
Suspected Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1766.8750	-62.13	1.55	-63.68	-13	-49.13	360.1	Vertical	PK	Pass
1	1766.8750		1.55		54		360.1	Vertical	AV	Pass
2	3523.7500	-49.69	10.72	-60.41	-13	-36.69	126.1	Vertical	PK	Pass
2	3523.7500		10.72		54		126.1	Vertical	AV	Pass
3	5964.3750	-48.58	22.66	-71.24	-13	-35.58	360.1	Vertical	PK	Pass
3	5964.3750		22.66		54		360.1	Vertical	AV	Pass
4	12001.5000	-61.61	38.6	-100.21	-13	-48.61	312.6	Vertical	PK	Pass
4	12001.5000		38.6		54		312.6	Vertical	AV	Pass
5	15070.5000	-57.88	39.98	-97.86	-13	-44.88	0.5	Vertical	PK	Pass
5	15070.5000		39.98		54		0.5	Vertical	AV	Pass
6	17965.5000	-53.87	46.27	-100.14	-13	-40.87	13.5	Vertical	PK	Pass
6	17965.5000		46.27		54		13.5	Vertical	AV	Pass

Report No.: WSCT-ANAB-R&E241100057A-RF

n66:

Horizontal:

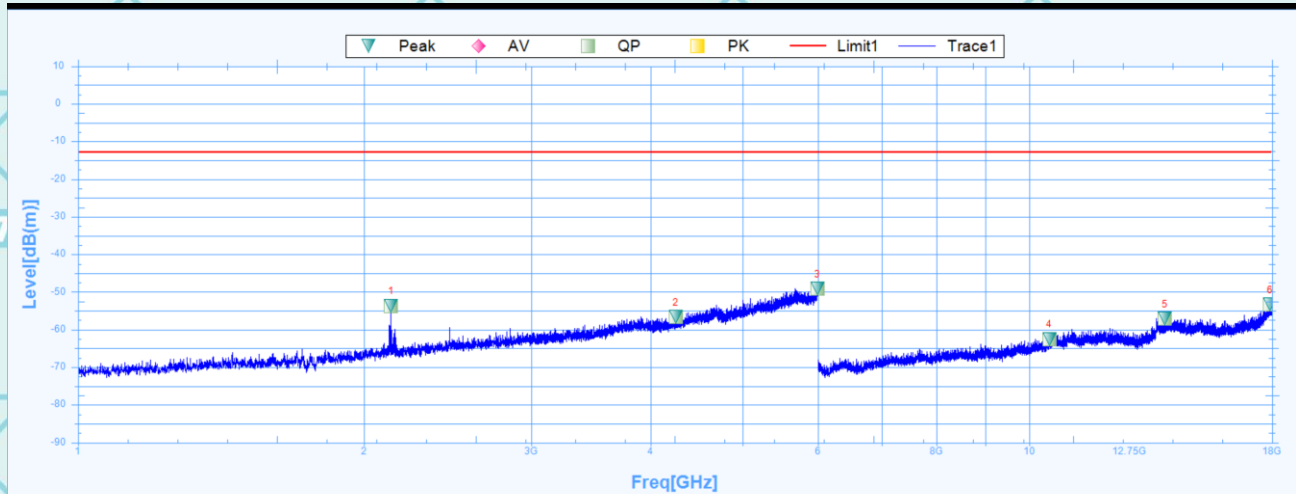


Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1700.6250	-51.4	1.25	-52.65	-13	-38.4	292.6	Horizontal	PK	Pass
1	1700.6250		1.25		54		292.6	Horizontal	AV	Pass
2	2126.8750	-38.05	4.4	-42.45	-13	-25.05	42.7	Horizontal	PK	Pass
2	2126.8750		4.4		54		42.7	Horizontal	AV	Pass
3	3901.2500	-55.7	12.63	-68.33	-13	-42.7	357.6	Horizontal	PK	Pass
3	3901.2500		12.63		54		357.6	Horizontal	AV	Pass
4	5994.3750	-49.19	22.98	-72.17	-13	-36.19	107.3	Horizontal	PK	Pass
4	5994.3750		22.98		54		107.3	Horizontal	AV	Pass
5	9819.0000	-63	37.97	-100.97	-13	-50	18.9	Horizontal	PK	Pass
5	9819.0000		37.97		54		18.9	Horizontal	AV	Pass
6	14197.5000	-57.02	41.24	-98.26	-13	-44.02	0	Horizontal	PK	Pass
6	14197.5000		41.24		54		0	Horizontal	AV	Pass
7	17923.5000	-52.88	45.99	-98.87	-13	-39.88	223.3	Horizontal	PK	Pass
7	17923.5000		45.99		54		223.3	Horizontal	AV	Pass

Report No.: WSCT-ANAB-R&E241100057A-RF

Vertical:

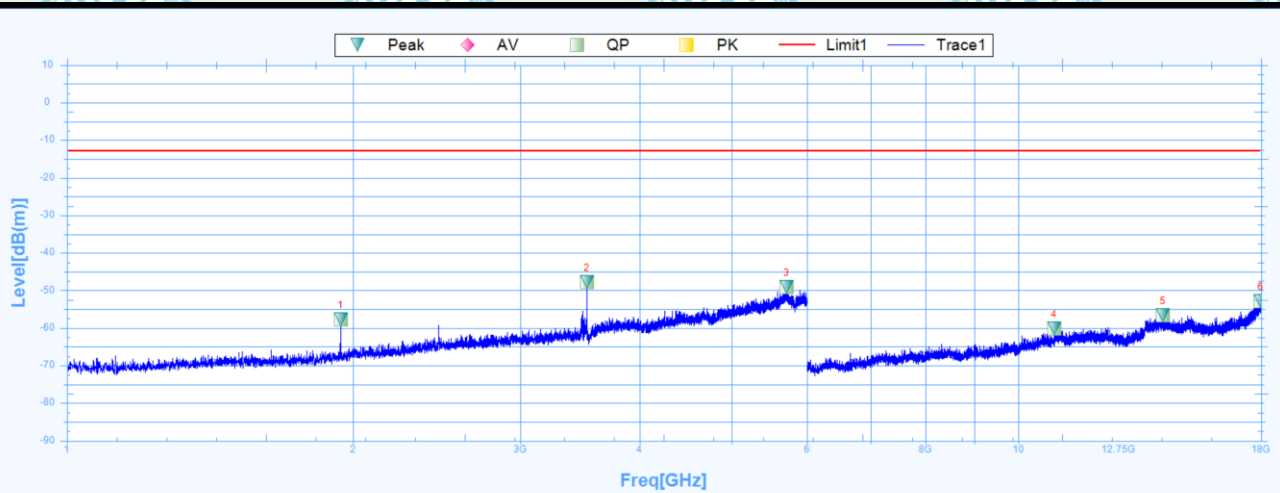


Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2135.0000	-53.65	4.4	-58.05	-13	-40.65	360.1	Vertical	PK	Pass
1	2135.0000		4.4		54		360.1	Vertical	AV	Pass
2	4253.1250	-56.65	14.23	-70.88	-13	-43.65	263.4	Vertical	PK	Pass
2	4253.1250		14.23		54		263.4	Vertical	AV	Pass
3	5993.1250	-49.11	22.97	-72.08	-13	-36.11	3.4	Vertical	PK	Pass
3	5993.1250		22.97		54		3.4	Vertical	AV	Pass
4	10500.0000	-62.49	38.8	-101.29	-13	-49.49	360.1	Vertical	PK	Pass
4	10500.0000		38.8		54		360.1	Vertical	AV	Pass
5	13900.5000	-57.04	41.24	-98.28	-13	-44.04	0.5	Vertical	PK	Pass
5	13900.5000		41.24		54		0.5	Vertical	AV	Pass
6	17926.5000	-53.37	46.01	-99.38	-13	-40.37	87.8	Vertical	PK	Pass
6	17926.5000		46.01		54		87.8	Vertical	AV	Pass

Report No.: WSCT-ANAB-R&E241100057A-RF

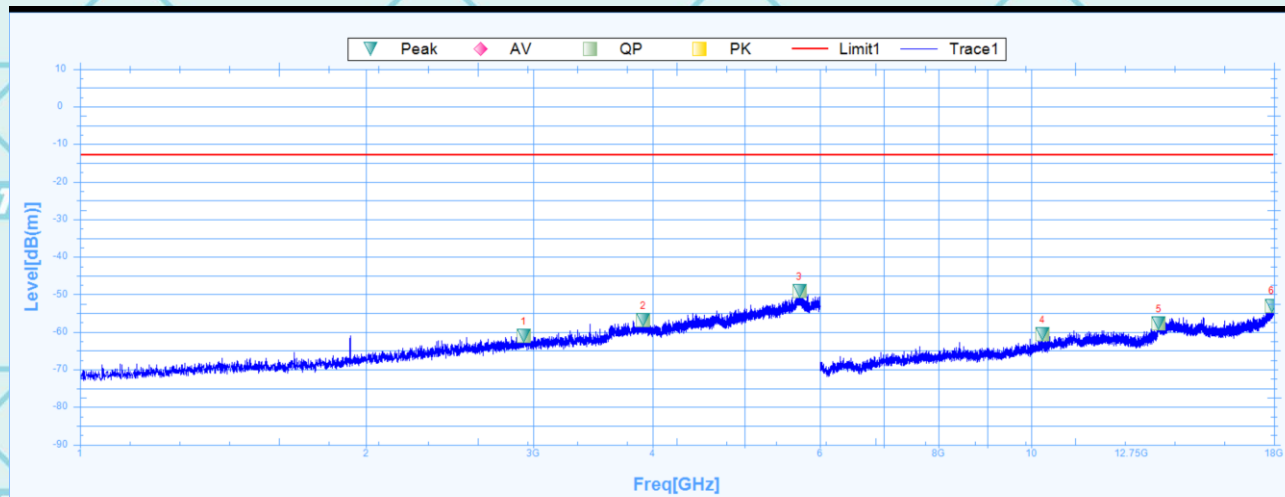
n77(3450-3550Mhz):
Horizontal:



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1940.6250	-57.69	2.89	-60.58	-13	-44.69	14	Horizontal	PK	Pass
1	1940.6250		2.89		54		14	Horizontal	AV	Pass
2	3522.5000	-47.77	10.7	-58.47	-13	-34.77	255.4	Horizontal	PK	Pass
2	3522.5000		10.7		54		255.4	Horizontal	AV	Pass
3	5711.2500	-49.08	22.8	-71.88	-13	-36.08	272.2	Horizontal	PK	Pass
3	5711.2500		22.8		54		272.2	Horizontal	AV	Pass
4	10915.5000	-60.25	39.38	-99.63	-13	-47.25	1	Horizontal	PK	Pass
4	10915.5000		39.38		54		1	Horizontal	AV	Pass
5	14202.0000	-56.63	41.24	-97.87	-13	-43.63	195.4	Horizontal	PK	Pass
5	14202.0000		41.24		54		195.4	Horizontal	AV	Pass
6	17995.5000	-52.91	46.47	-99.38	-13	-39.91	248	Horizontal	PK	Pass
6	17995.5000		46.47		54		248	Horizontal	AV	Pass

Vertical:

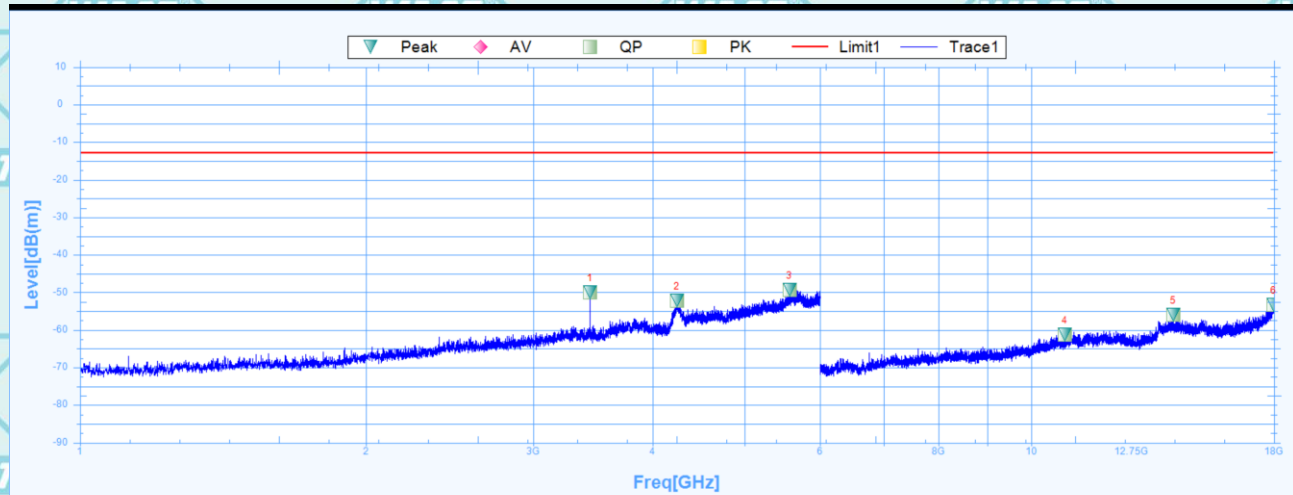


Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2928.1250	-61.12	8.57	-69.69	-13	-48.12	69	Vertical	PK	Pass
1	2928.1250		8.57		54		69	Vertical	AV	Pass
2	3912.5000	-56.83	12.66	-69.49	-13	-43.83	156.3	Vertical	PK	Pass
2	3912.5000		12.66		54		156.3	Vertical	AV	Pass
3	5708.7500	-49.14	22.78	-71.92	-13	-36.14	352.4	Vertical	PK	Pass
3	5708.7500		22.78		54		352.4	Vertical	AV	Pass
4	10281.0000	-60.67	38.49	-99.16	-13	-47.67	261	Vertical	PK	Pass
4	10281.0000		38.49		54		261	Vertical	AV	Pass
5	13626.0000	-57.81	40.53	-98.34	-13	-44.81	1.2	Vertical	PK	Pass
5	13626.0000		40.53		54		1.2	Vertical	AV	Pass
6	17901.0000	-52.99	45.84	-98.83	-13	-39.99	123.6	Vertical	PK	Pass
6	17901.0000		45.84		54		123.6	Vertical	AV	Pass

Report No.: WSCT-ANAB-R&E241100057A-RF

n77(3700-3980Mhz):
Horizontal:

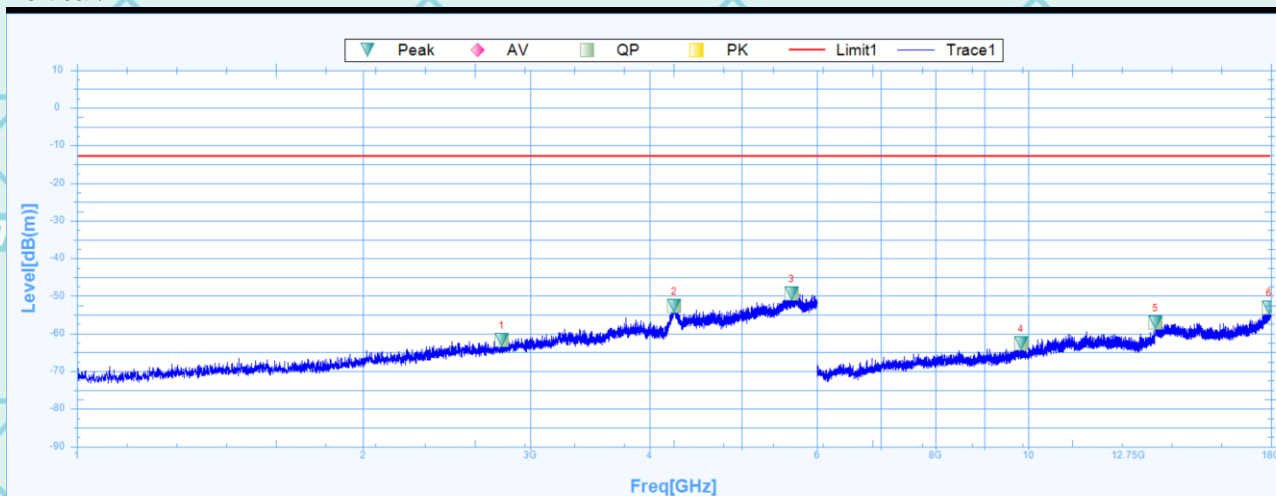


Suspected Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	3437.5000	-49.95	28.46	-78.41	-13	-36.95	161.1	Horizontal	PK	Pass
1	3437.5000		28.46		54		161.1	Horizontal	AV	Pass
2	4243.7500	-52.19	30.14	-82.33	-13	-39.19	322.5	Horizontal	PK	Pass
2	4243.7500		30.14		54		322.5	Horizontal	AV	Pass
3	5571.8750	-49.3	32.12	-81.42	-13	-36.3	284.2	Horizontal	PK	Pass
3	5571.8750		32.12		54		284.2	Horizontal	AV	Pass
4	10852.5000	-61.23	14.86	-76.09	-13	-48.23	203.6	Horizontal	PK	Pass
4	10852.5000		14.86		54		203.6	Horizontal	AV	Pass
5	14109.0000	-56.01	19.02	-75.03	-13	-43.01	8.7	Horizontal	PK	Pass
5	14109.0000		19.02		54		8.7	Horizontal	AV	Pass
6	17986.5000	-53.23	23.83	-77.06	-13	-40.23	85.3	Horizontal	PK	Pass
6	17986.5000		23.83		54		85.3	Horizontal	AV	Pass

Report No.: WSCT-ANAB-R&E241100057A-RF

Vertical:

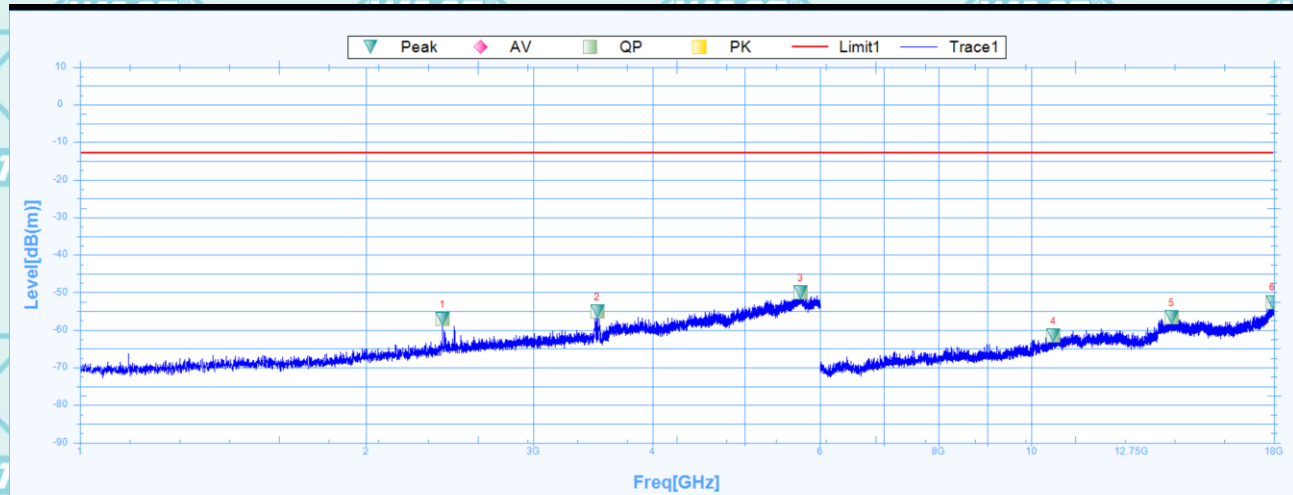


Suspected Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2796.2500	-61.72	27.96	-89.68	-13	-48.72	28.4	Vertical	PK	Pass
1	2796.2500		27.96		54		28.4	Vertical	AV	Pass
2	4247.5000	-52.62	30.15	-82.77	-13	-39.62	0	Vertical	PK	Pass
2	4247.5000		30.15		54		0	Vertical	AV	Pass
3	5643.1250	-49.38	32.23	-81.61	-13	-36.38	40.4	Vertical	PK	Pass
3	5643.1250		32.23		54		40.4	Vertical	AV	Pass
4	9831.0000	-62.68	11.98	-74.66	-13	-49.68	268.2	Vertical	PK	Pass
4	9831.0000		11.98		54		268.2	Vertical	AV	Pass
5	13612.5000	-57.13	18	-75.13	-13	-44.13	302.9	Vertical	PK	Pass
5	13612.5000		18		54		302.9	Vertical	AV	Pass
6	17925.0000	-53.15	23.42	-76.57	-13	-40.15	292.1	Vertical	PK	Pass
6	17925.0000		23.42		54		292.1	Vertical	AV	Pass

Report No.: WSCT-ANAB-R&E241100057A-RF

n78(3450-3550Mhz):
Horizontal:

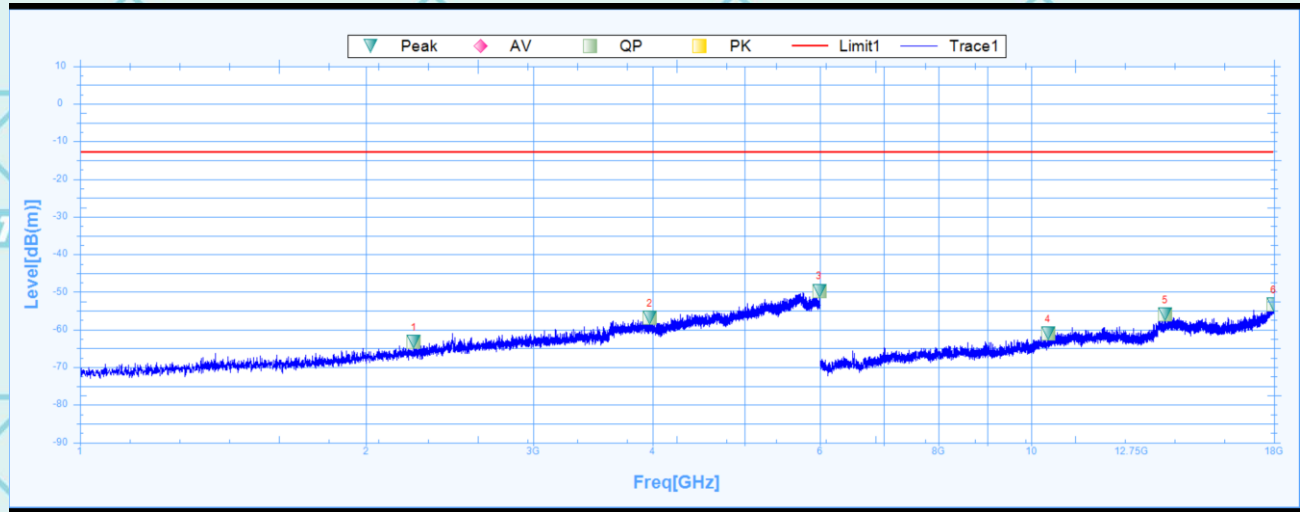


Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2405.6250	-57	6.12	-63.12	-13	-44	346.5	Horizontal	PK	Pass
1	2405.6250		6.12		54		346.5	Horizontal	AV	Pass
2	3499.3750	-55.18	10.51	-65.69	-13	-42.18	119.2	Horizontal	PK	Pass
2	3499.3750		10.51		54		119.2	Horizontal	AV	Pass
3	5725.0000	-49.99	22.68	-72.67	-13	-36.99	-0.1	Horizontal	PK	Pass
3	5725.0000		22.68		54		-0.1	Horizontal	AV	Pass
4	10555.5000	-61.47	38.88	-100.35	-13	-48.47	360.1	Horizontal	PK	Pass
4	10555.5000		38.88		54		360.1	Horizontal	AV	Pass
5	14050.5000	-56.54	41.43	-97.97	-13	-43.54	169.1	Horizontal	PK	Pass
5	14050.5000		41.43		54		169.1	Horizontal	AV	Pass
6	17937.0000	-52.56	46.08	-98.64	-13	-39.56	72.2	Horizontal	PK	Pass
6	17937.0000		46.08		54		72.2	Horizontal	AV	Pass

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Vertical:

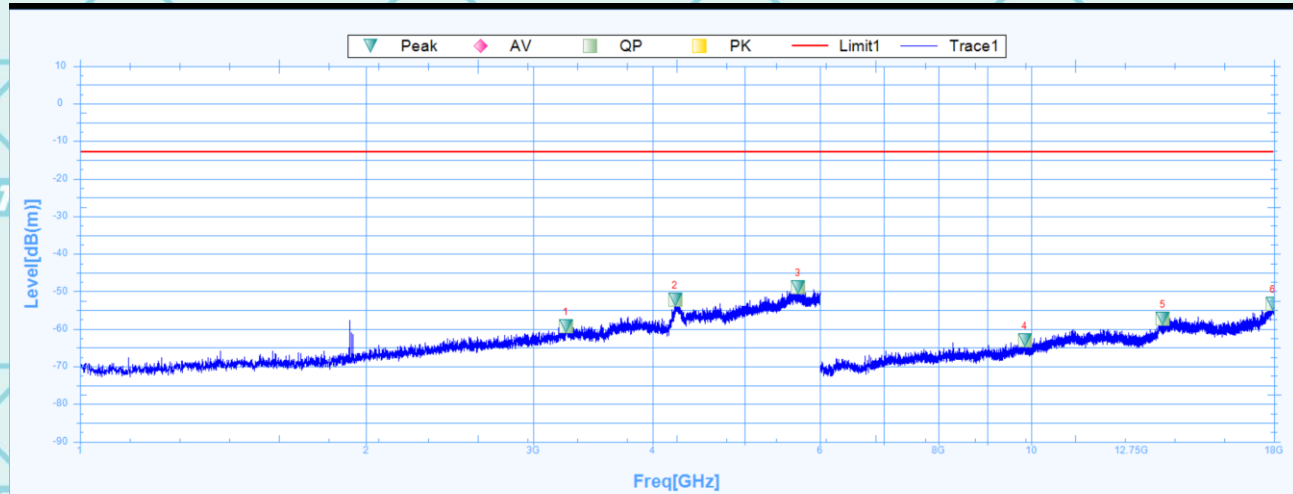


Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2245.0000	-63.19	5.25	-68.44	-13	-50.19	357.2	Vertical	PK	Pass
1	2245.0000		5.25		54		357.2	Vertical	AV	Pass
2	3975.0000	-56.85	12.84	-69.69	-13	-43.85	332	Vertical	PK	Pass
2	3975.0000		12.84		54		332	Vertical	AV	Pass
3	5990.6250	-49.68	22.94	-72.62	-13	-36.68	280.6	Vertical	PK	Pass
3	5990.6250		22.94		54		280.6	Vertical	AV	Pass
4	10420.5000	-61.07	38.69	-99.76	-13	-48.07	225.1	Vertical	PK	Pass
4	10420.5000		38.69		54		225.1	Vertical	AV	Pass
5	13837.5000	-55.91	41.08	-96.99	-13	-42.91	287.3	Vertical	PK	Pass
5	13837.5000		41.08		54		287.3	Vertical	AV	Pass
6	17988.0000	-53.32	46.42	-99.74	-13	-40.32	17.4	Vertical	PK	Pass
6	17988.0000		46.42		54		17.4	Vertical	AV	Pass

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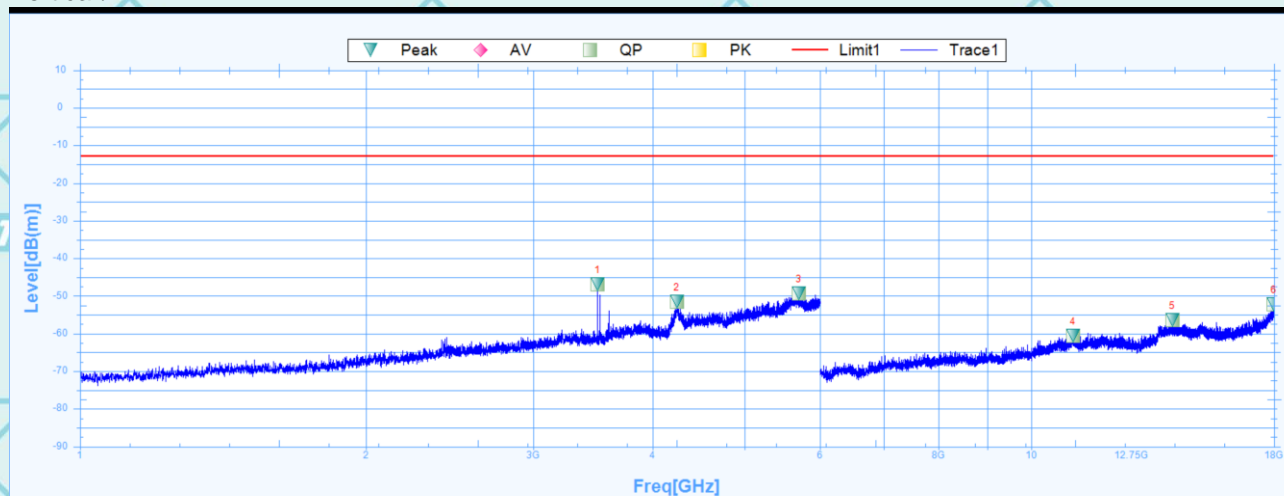
n78(3700-3800Mhz):
Horizontal:



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	3242.5000	-59.22	10.31	-69.53	-13	-46.22	136.7	Horizontal	PK	Pass
1	3242.5000		10.31		54		136.7	Horizontal	AV	Pass
2	4224.3750	-52.25	16.38	-68.63	-13	-39.25	196.5	Horizontal	PK	Pass
2	4224.3750		16.38		54		196.5	Horizontal	AV	Pass
3	5690.6250	-48.82	21.65	-70.47	-13	-35.82	136.7	Horizontal	PK	Pass
3	5690.6250		21.65		54		136.7	Horizontal	AV	Pass
4	9847.5000	-63.05	37.99	-101.04	-13	-50.05	200.6	Horizontal	PK	Pass
4	9847.5000		37.99		54		200.6	Horizontal	AV	Pass
5	13758.0000	-57.33	40.87	-98.2	-13	-44.33	9.8	Horizontal	PK	Pass
5	13758.0000		40.87		54		9.8	Horizontal	AV	Pass
6	17955.0000	-53.37	46.2	-99.57	-13	-40.37	34.4	Horizontal	PK	Pass
6	17955.0000		46.2		54		34.4	Horizontal	AV	Pass

Vertical:



Suspected Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	3501.8750	-46.91	10.46	-57.37	-13	-33.91	360	Vertical	PK	Pass
1	3501.8750		10.46		54		360	Vertical	AV	Pass
2	4242.5000	-51.56	17.65	-69.21	-13	-38.56	175	Vertical	PK	Pass
2	4242.5000		17.65		54		175	Vertical	AV	Pass
3	5701.8750	-49.45	21.69	-71.14	-13	-36.45	291	Vertical	PK	Pass
3	5701.8750		21.69		54		291	Vertical	AV	Pass
4	11068.5000	-60.66	39.44	-100.1	-13	-47.66	290.2	Vertical	PK	Pass
4	11068.5000		39.44		54		290.2	Vertical	AV	Pass
5	14077.5000	-56.33	41.4	-97.73	-13	-43.33	352.6	Vertical	PK	Pass
5	14077.5000		41.4		54		352.6	Vertical	AV	Pass
6	17995.5000	-52.28	46.47	-98.75	-13	-39.28	71.4	Vertical	PK	Pass
6	17995.5000		46.47		54		71.4	Vertical	AV	Pass

9. OCCUPIED BANDWIDTH & EMISSION BANDWIDTH

Test limit:

The occupied bandwidth (OBW), that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission, shall be measured when modulated by an input signal such that its amplitude and symbol rate represent the maximum rated conditions under which the equipment will be operated. The signal shall be applied through any filter networks, pseudo-random generators or other devices required in normal service. Additionally, the occupied bandwidth shall be shown for operation with any devices used for modifying the spectrum when such devices are optional at the discretion of the user. [j2.1049(h)]

Many of the individual rule parts specify a relative OBW in lieu of the 99% OBW. In such cases, the OBW is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated by at least X dB below the transmitter power, where the value of X is typically specified as 26.

The relative OBW must be measured and reported when it is specified in the applicable rule part; otherwise, the 99% OBW shall be measured and reported. The test report shall specify which OBW is reported.

A spectrum/signal analyzer or other instrument providing a spectral display is recommended for these measurements and the video bandwidth shall be set to a value at least three times greater than the IF/resolution bandwidth to avoid any amplitude smoothing. Video filtering shall not be used during occupied bandwidth tests.

The OBW shall be measured for all operating conditions that will affect the bandwidth results (e.g. variable modulations, coding, or channel bandwidth settings). See section 4.

Test procedure:

Occupied bandwidth – relative measurement procedure

The reference value is the highest level of the spectral envelope of the modulated signal.

- The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
- The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
- Set the reference level of the instrument as required to prevent the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope must be at least 10log (OBW / RBW) below the reference level.
- NOTE—Steps a) through c) may require iteration to adjust within the specified tolerances.
- The dynamic range of the spectrum analyzer at the selected RBW shall be at least 10 dB below the target “-X dB down” requirement (i.e., if the requirement calls for measuring the -26 dB OBW, the spectrum analyzer noise floor at the selected RBW shall be at least 36 dB below the reference value).
- Set the detection mode to peak, and the trace mode to max hold.
- Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference value).
- Determine the “-X dB down amplitude” as equal to (Reference Value – X). Alternatively, this calculation can be performed by the analyzer by using the marker-delta function.
- Place two markers, one at the lowest and the other at the highest frequency of the

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envelope of the spectral display such that each marker is at or slightly below the “-X dB down amplitude” determined in step g). If a marker is below this “-X dB down amplitude” value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.

j) The occupied bandwidth shall be reported by providing plot(s) of the measuring instrument display. The frequency and amplitude axes and scale shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

Occupied bandwidth – power bandwidth (99%) measurement procedure

The following procedure shall be used for measuring (99 %) power bandwidth

a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation products including the emission skirts (i.e., two to five times the OBW).

b) The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.

c) Set the reference level of the instrument as required to keep the signal from exceeding the maximum input mixer level for linear operation. In general, the peak of the spectral envelope must be at least 10log (OBW / RBW) below the reference level.

d) NOTE—Steps a) through c) may require iteration to adjust within the specified tolerances.

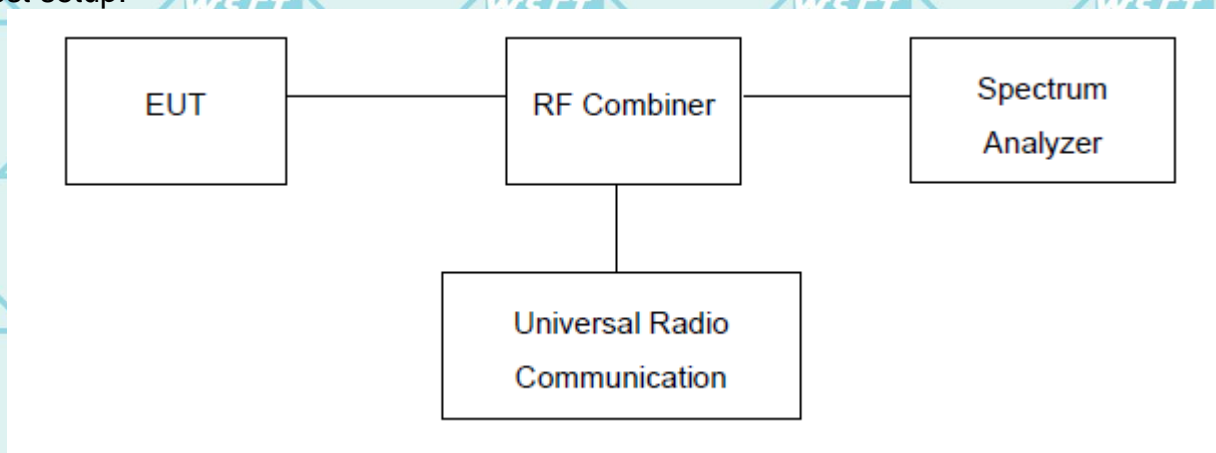
e) Set the detection mode to peak, and the trace mode to max hold..

f) Use the 99 % power bandwidth function of the spectrum analyzer (if available) and report the measured bandwidth.

g) If the instrument does not have a 99 % power bandwidth function, the trace data points are to be recovered and directly summed in linear power terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99 % power bandwidth is the difference between these two frequencies.

h) The OBW shall be reported by providing plot(s) of the measuring instrument display. The frequency and amplitude axes and scale shall be clearly labeled. Tabular data may be reported in addition to the plot(s).

Test setup:



9.1. Measurement Result

GSM850:

Frequency	OBW(99%)	26dB BW
824.2	243.59KHz	310.90KHz
836.6	240.38KHz	310.90KHz
848.8	240.38KHz	309.29KHz

PCS1900:

Frequency	OBW(99%)	26dB BW
1850.2	241.99KHz	293.27KHz
1880	240.38KHz	309.29KHz
1909.8	241.99KHz	301.28KHz

GPRS850:

Frequency	OBW(99%)	26dB BW
824.2	248.40KHz	315.71KHz
836.6	245.19KHz	304.49KHz
848.8	246.79KHz	310.90KHz

GPRS 1900:

Frequency	OBW(99%)	26dB BW
1850.2	245.19KHz	304.49KHz
1880	240.38KHz	310.90KHz
1909.8	245.19KHz	317.31KHz

EGPRS 850:

Frequency	OBW(99%)	26dB BW
824.2	240.38KHz	301.28KHz
836.6	241.99KHz	301.28KHz
848.8	241.99KHz	301.28KHz

EGPRS 1900:

Frequency	OBW(99%)	26dB BW
1850.2	241.99KHz	312.50KHz
1880	245.19KHz	302.88KHz
1909.8	243.59KHz	318.91KHz

UTRA BANDS

Band 2:

Frequency	OBW(99%)	26dB BW
1852.4	4.167MHz	4.679MHz
1880	4.151MHz	4.700MHz
1907.6	4.151MHz	4.679MHz

Band 4:

Frequency	OBW(99%)	26dB BW
1712.4	4.135MHz	4.663MHz
1732.6	4.151MHz	4.663MHz
1752.6	4.151MHz	4.671MHz

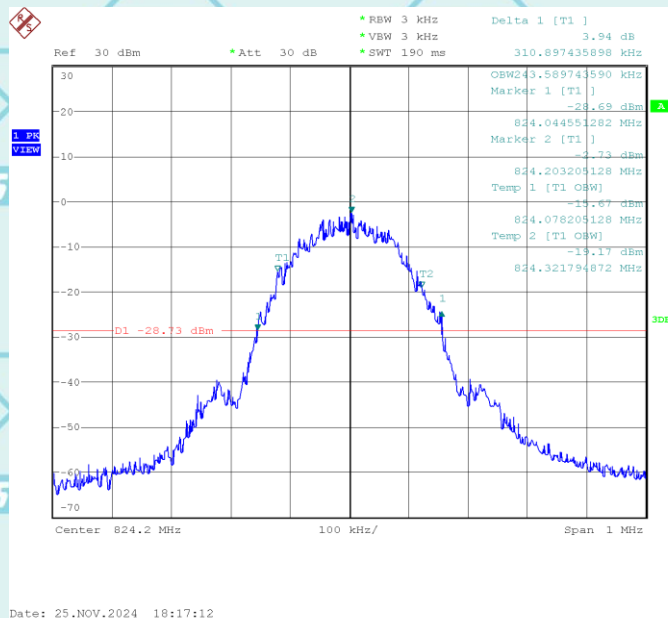
Band 5:

Frequency	OBW(99%)	26dB BW
826.4	4.167MHz	4.663MHz
836.4	4.167MHz	4.712MHz
846.6	4.151MHz	4.707MHz

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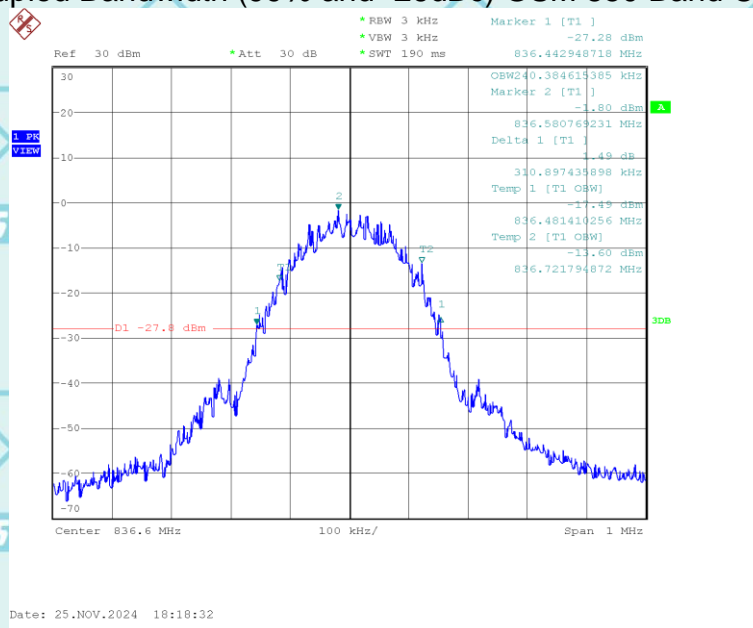
Test Plot(s)

Occupied Bandwidth (99% and -26dBc) GSM 850 Band CH 128

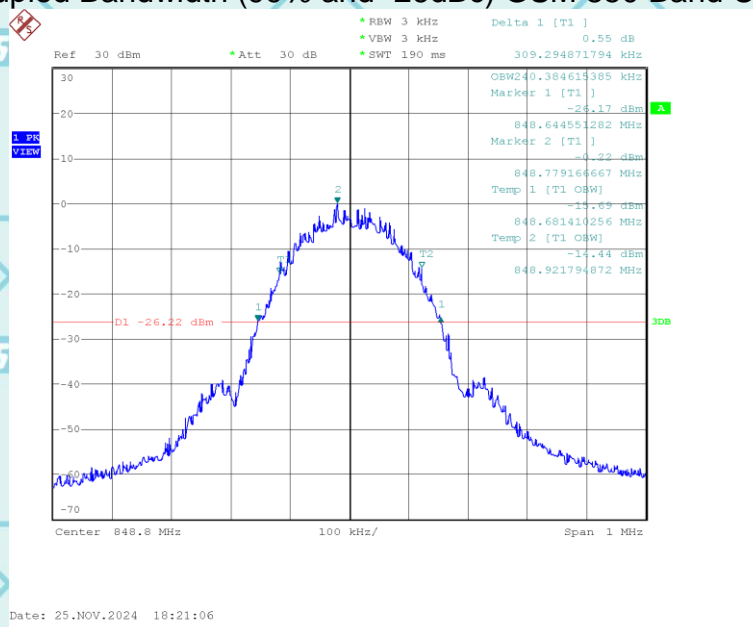


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Occupied Bandwidth (99% and -26dBc) GSM 850 Band CH 190

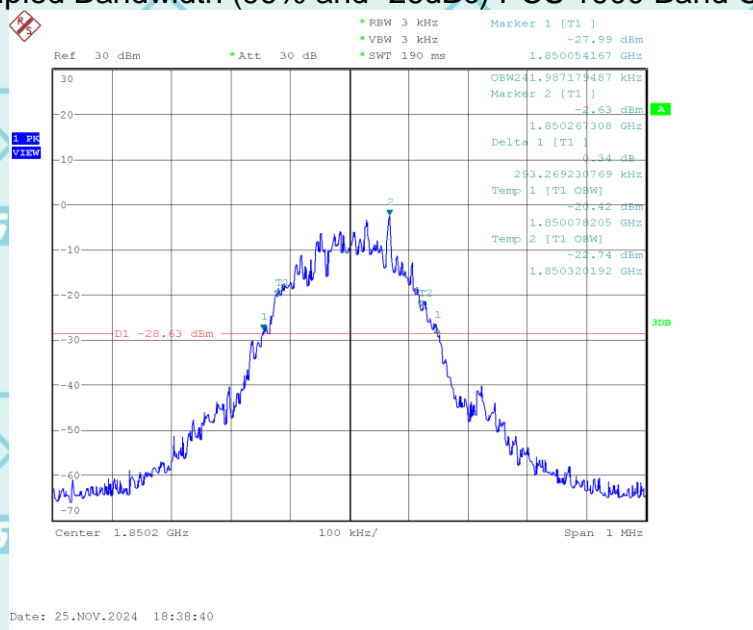


Occupied Bandwidth (99% and -26dBc) GSM 850 Band CH 251

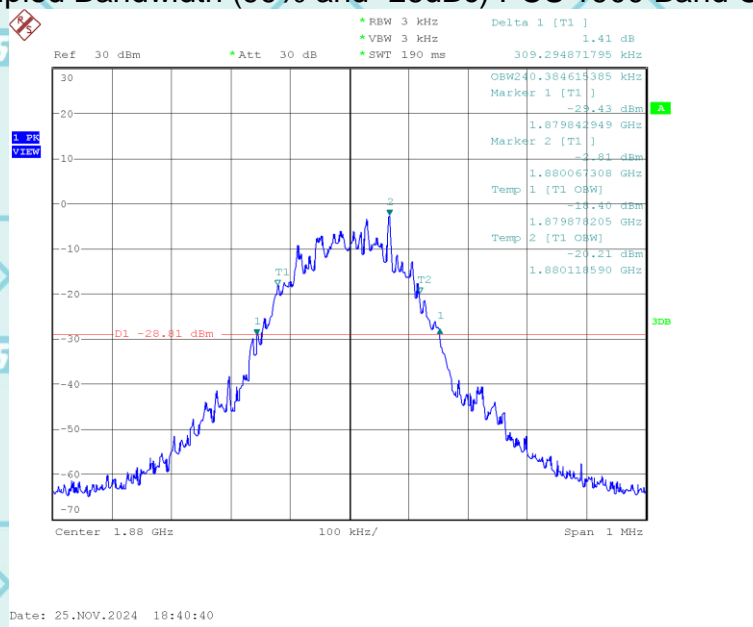


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Occupied Bandwidth (99% and -26dBc) PCS 1900 Band CH 512

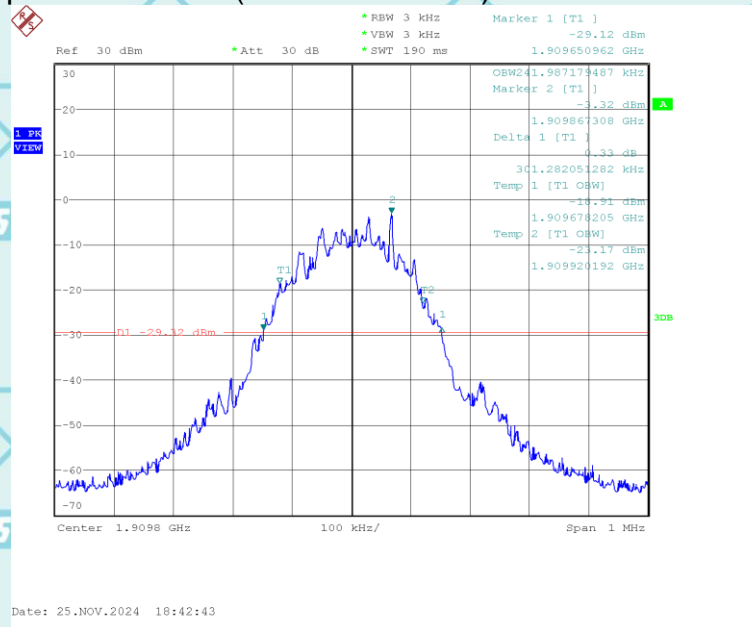


Occupied Bandwidth (99% and -26dBc) PCS 1900 Band CH 661

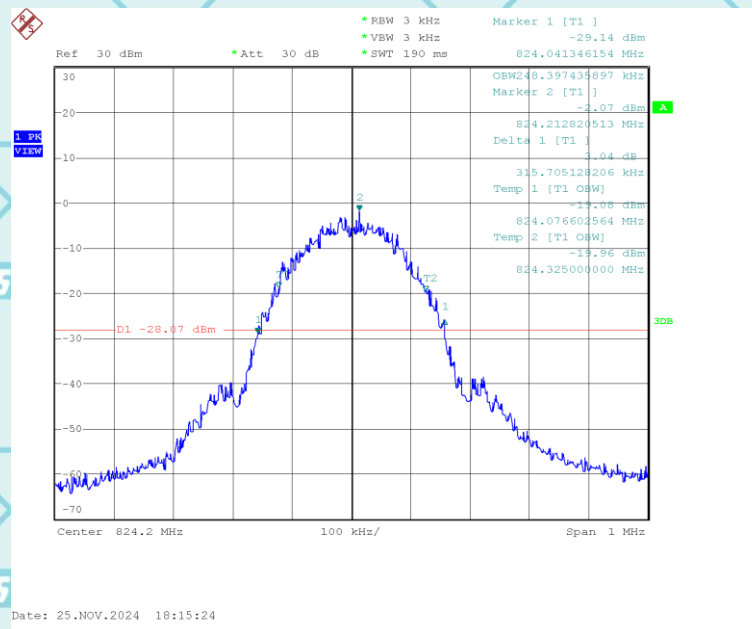


Report No.: WSCT-ANAB-R&E241100057A-RF

Occupied Bandwidth (99% and -26dBc) PCS 1900 Band CH 810

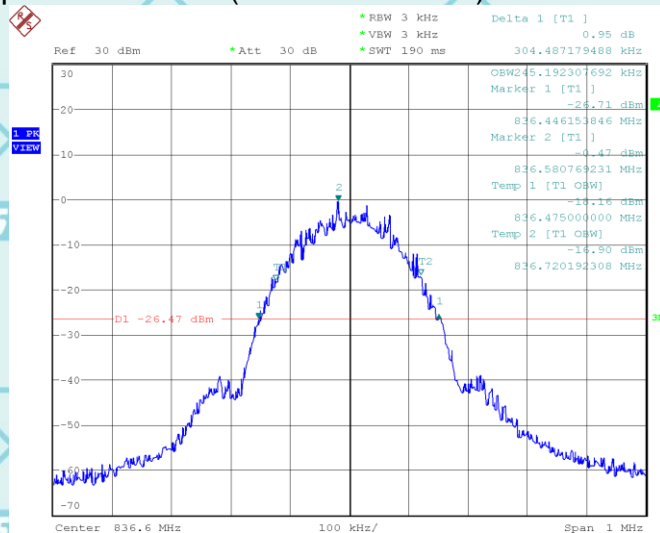


Occupied Bandwidth (99% and -26dBc) GPRS 850 Band CH 128



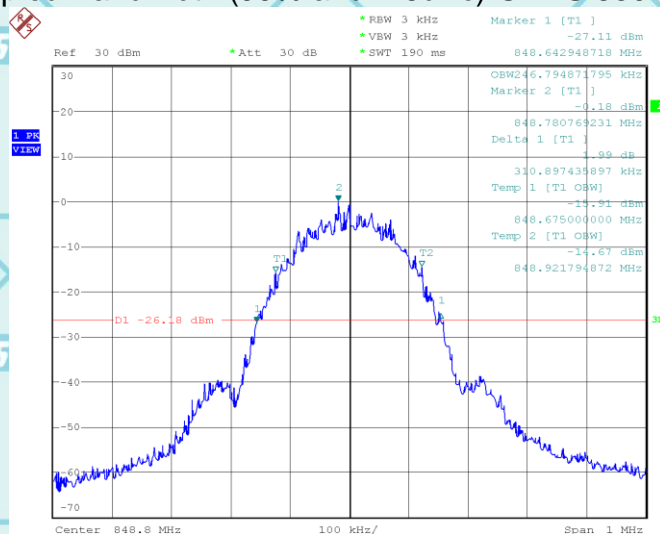
Report No.: WSCT-ANAB-R&E241100057A-RF

Occupied Bandwidth (99% and -26dBc) GPRS 850 Band CH 190



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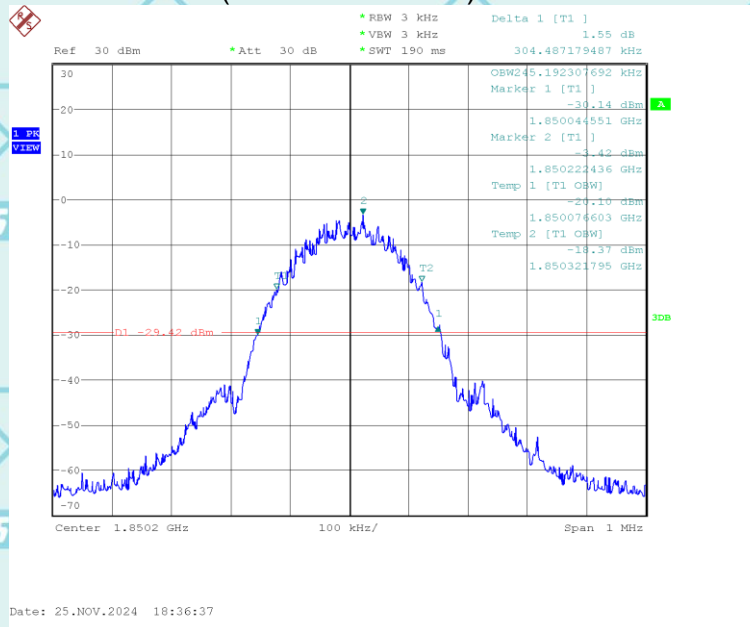
Occupied Bandwidth (99% and -26dBc) GPRS 850 Band CH 251



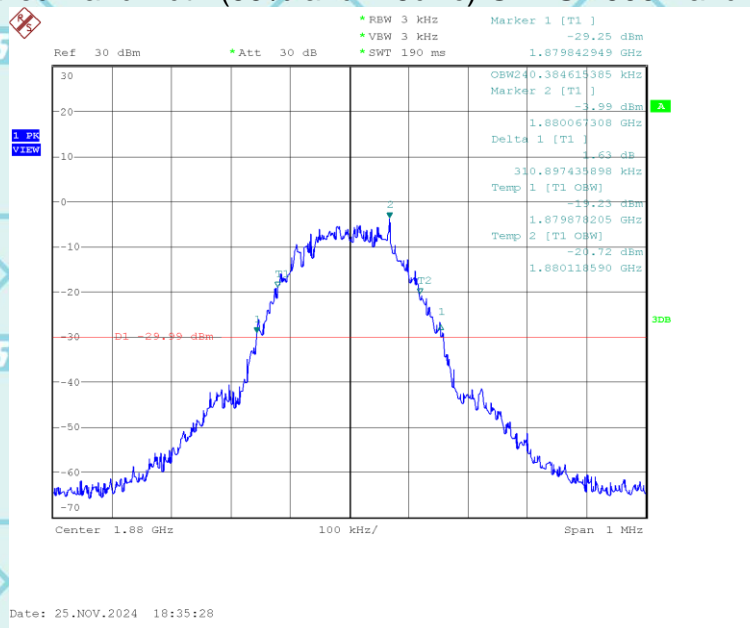
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Report No.: WSCT-ANAB-R&E241100057A-RF

Occupied Bandwidth (99% and -26dBc) GPRS 1900 Band CH 512

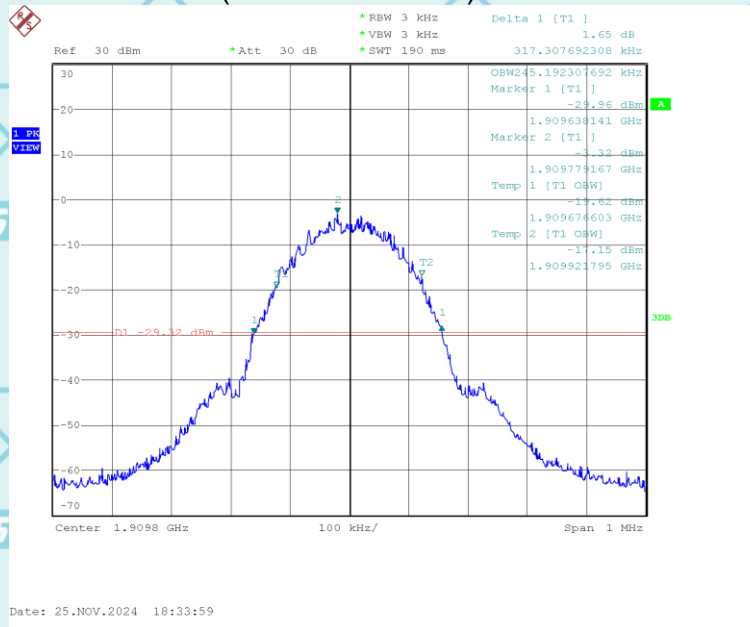


Occupied Bandwidth (99% and -26dBc) GPRS 1900 Band CH 661



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Occupied Bandwidth (99% and -26dBc) GPRS 1900 Band CH 810



Occupied Bandwidth (99% and -26dBc) EGPRS 850 Band CH 128

