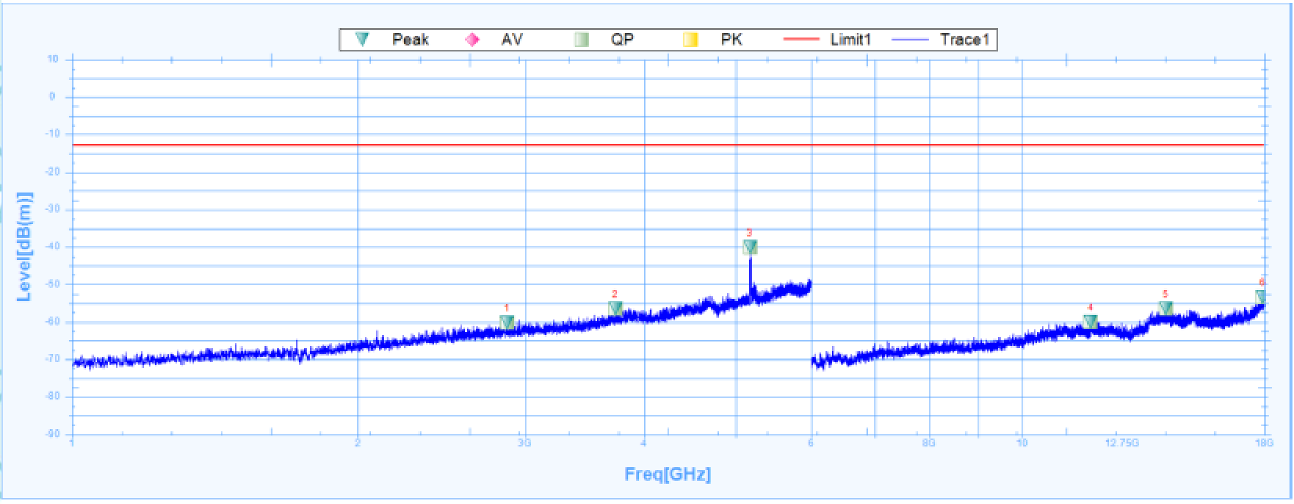
Band 4:

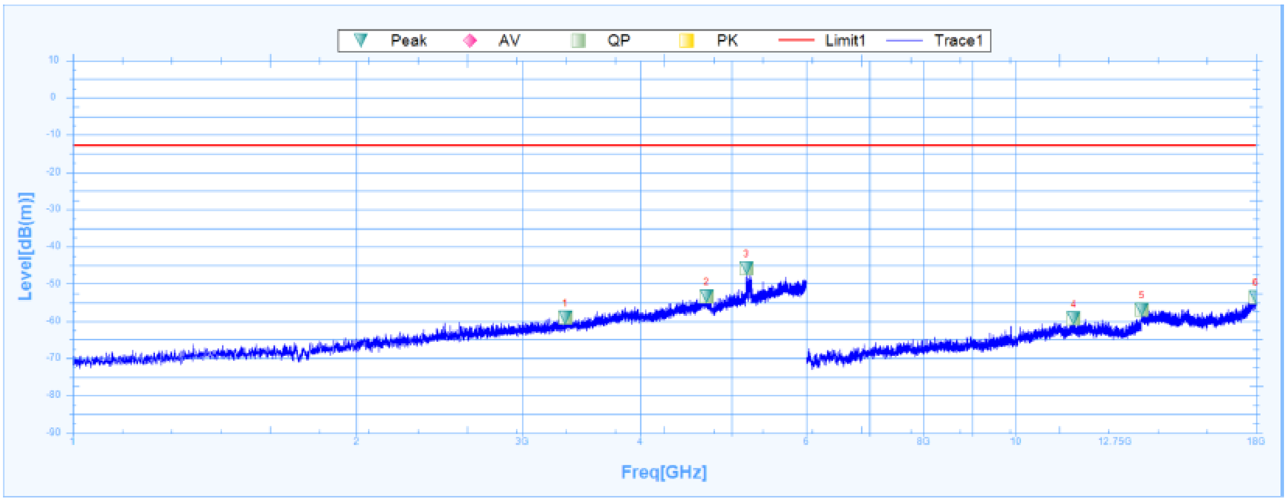
Horizontal:



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2870.0000	-60.21	28.04	-88.25	-13	-47.21	359.6	Horizontal	PK	Pass
1	2870.0000		28.04		54		359.6	Horizontal	AV	Pass
2	3731.8750	-56.5	29.06	-85.56	-13	-43.5	205.3	Horizontal	PK	Pass
2	3731.8750		29.06		54		205.3	Horizontal	AV	Pass
3	5172.5000	-40.11	31.74	-71.85	-13	-27.11	337.8	Horizontal	PK	Pass
3	5172.5000		31.74		54		337.8	Horizontal	AV	Pass
4	11817.0000	-60.02	16.26	-76.28	-13	-47.02	359.9	Horizontal	PK	Pass
4	11817.0000		16.26		54		359.9	Horizontal	AV	Pass
5	14176.5000	-56.51	18.95	-75.46	-13	-43.51	93.7	Horizontal	PK	Pass
5	14176.5000		18.95		54		93.7	Horizontal	AV	Pass
6	17923.5000	-53.3	23.41	-76.71	-13	-40.3	176.1	Horizontal	PK	Pass
6	17923.5000		23.41		54		176.1	Horizontal	AV	Pass

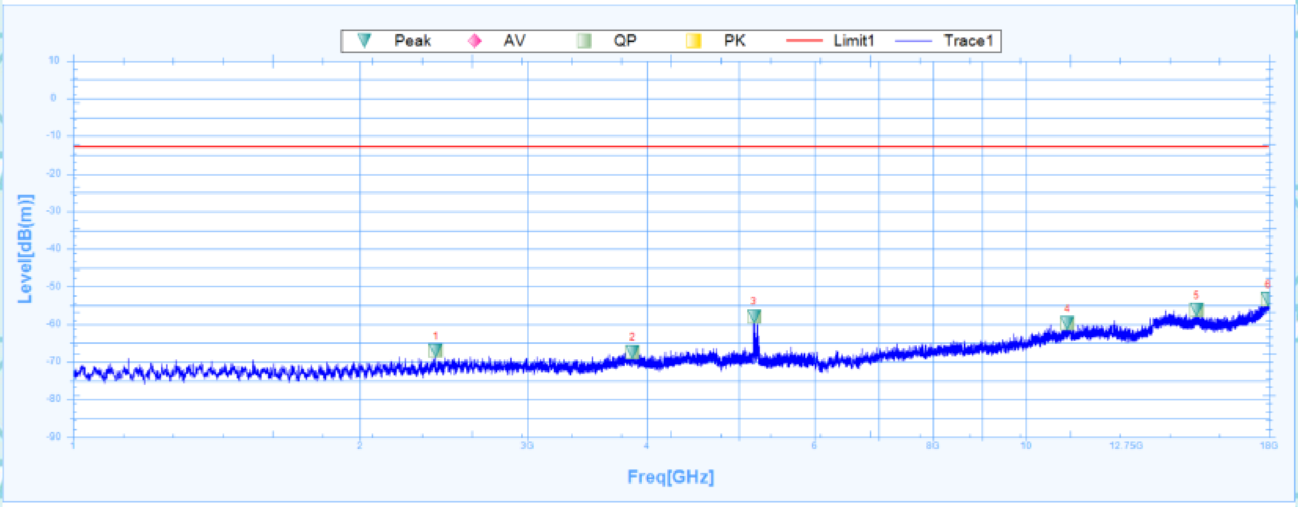
Vertical:



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	3328.7500	-59.08	28.4	-87.48	-13	-46.08	358.6	Vertical	PK	Pass
1	3328.7500		28.4		54		358.6	Vertical	AV	Pass
2	4703.7500	-53.36	31.01	-84.37	-13	-40.36	214.9	Vertical	PK	Pass
2	4703.7500		31.01		54		214.9	Vertical	AV	Pass
3	5186.8750	-45.88	31.75	-77.63	-13	-32.88	133.5	Vertical	PK	Pass
3	5186.8750		31.75		54		133.5	Vertical	AV	Pass
4	11533.5000	-59.31	16.22	-75.53	-13	-46.31	227.6	Vertical	PK	Pass
4	11533.5000		16.22		54		227.6	Vertical	AV	Pass
5	13621.5000	-56.94	18.04	-74.98	-13	-43.94	91.4	Vertical	PK	Pass
5	13621.5000		18.04		54		91.4	Vertical	AV	Pass
6	17979.0000	-53.56	23.78	-77.34	-13	-40.56	218.1	Vertical	PK	Pass
6	17979.0000		23.78		54		218.1	Vertical	AV	Pass

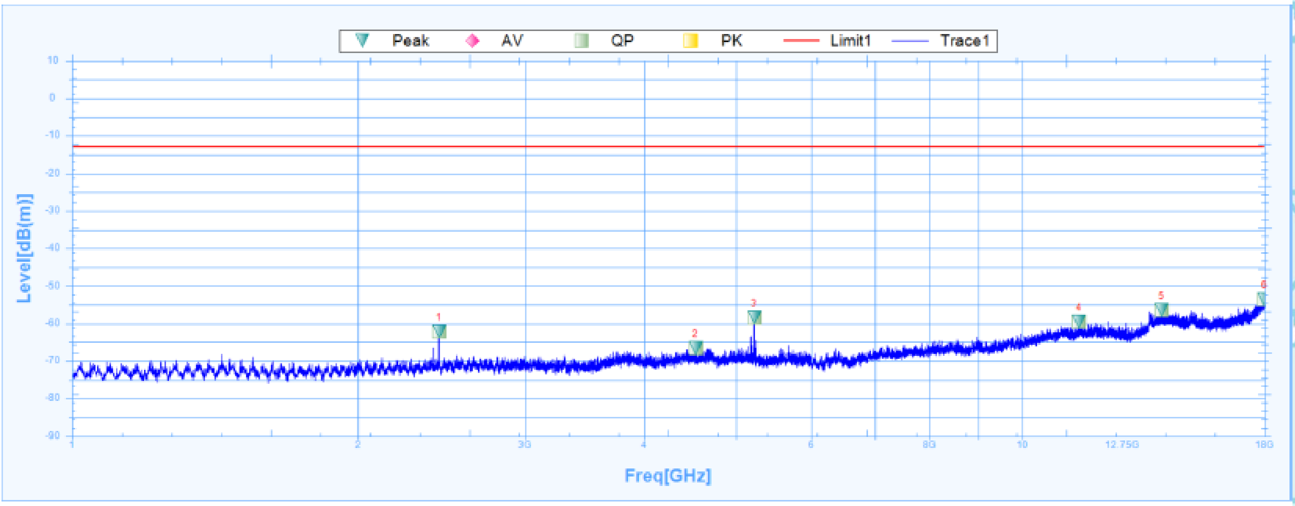
Band 5:
Horizontal:



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2402.5000	-67.08	27.27	-94.35	-13	-54.08	359.6	Horizontal	PK	Pass
1	2402.5000		27.27		54		359.6	Horizontal	AV	Pass
2	3866.8750	-67.35	29.38	-96.73	-13	-54.35	2.9	Horizontal	PK	Pass
2	3866.8750		29.38		54		2.9	Horizontal	AV	Pass
3	5183.1250	-57.85	31.75	-89.6	-13	-44.85	173	Horizontal	PK	Pass
3	5183.1250		31.75		54		173	Horizontal	AV	Pass
4	11058.0000	-59.64	15.81	-75.45	-13	-46.64	189.3	Horizontal	PK	Pass
4	11058.0000		15.81		54		189.3	Horizontal	AV	Pass
5	15112.5000	-56.17	19.7	-75.87	-13	-43.17	1.1	Horizontal	PK	Pass
5	15112.5000		19.7		54		1.1	Horizontal	AV	Pass
6	17962.5000	-53.29	23.66	-76.95	-13	-40.29	240.6	Horizontal	PK	Pass
6	17962.5000		23.66		54		240.6	Horizontal	AV	Pass

Vertical:

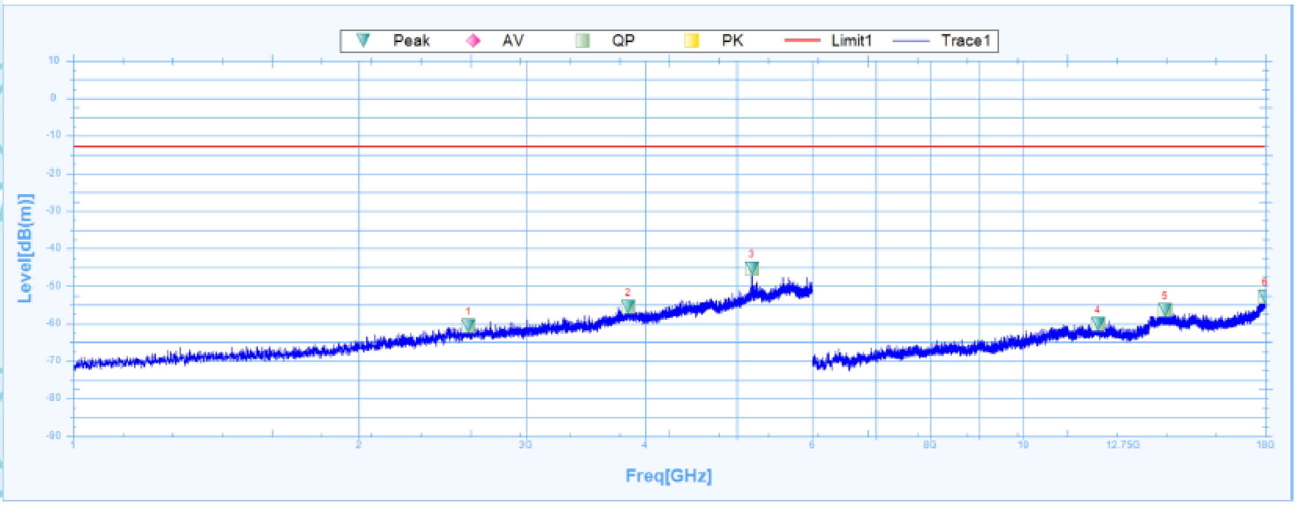


Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2433.1250	-62.2	27.37	-89.57	-13	-49.2	8.9	Vertical	PK	Pass
1	2433.1250		27.37		54		8.9	Vertical	AV	Pass
2	4531.2500	-66.62	30.66	-97.28	-13	-53.62	327.3	Vertical	PK	Pass
2	4531.2500		30.66		54		327.3	Vertical	AV	Pass
3	5226.8750	-58.43	31.78	-90.21	-13	-45.43	17.7	Vertical	PK	Pass
3	5226.8750		31.78		54		17.7	Vertical	AV	Pass
4	11479.5000	-59.52	16.07	-75.59	-13	-46.52	360.1	Vertical	PK	Pass
4	11479.5000		16.07		54		360.1	Vertical	AV	Pass
5	14019.0000	-56.4	19.11	-75.51	-13	-43.4	300.6	Vertical	PK	Pass
5	14019.0000		19.11		54		300.6	Vertical	AV	Pass
6	17998.5000	-53.52	23.92	-77.44	-13	-40.52	360.1	Vertical	PK	Pass
6	17998.5000		23.92		54		360.1	Vertical	AV	Pass

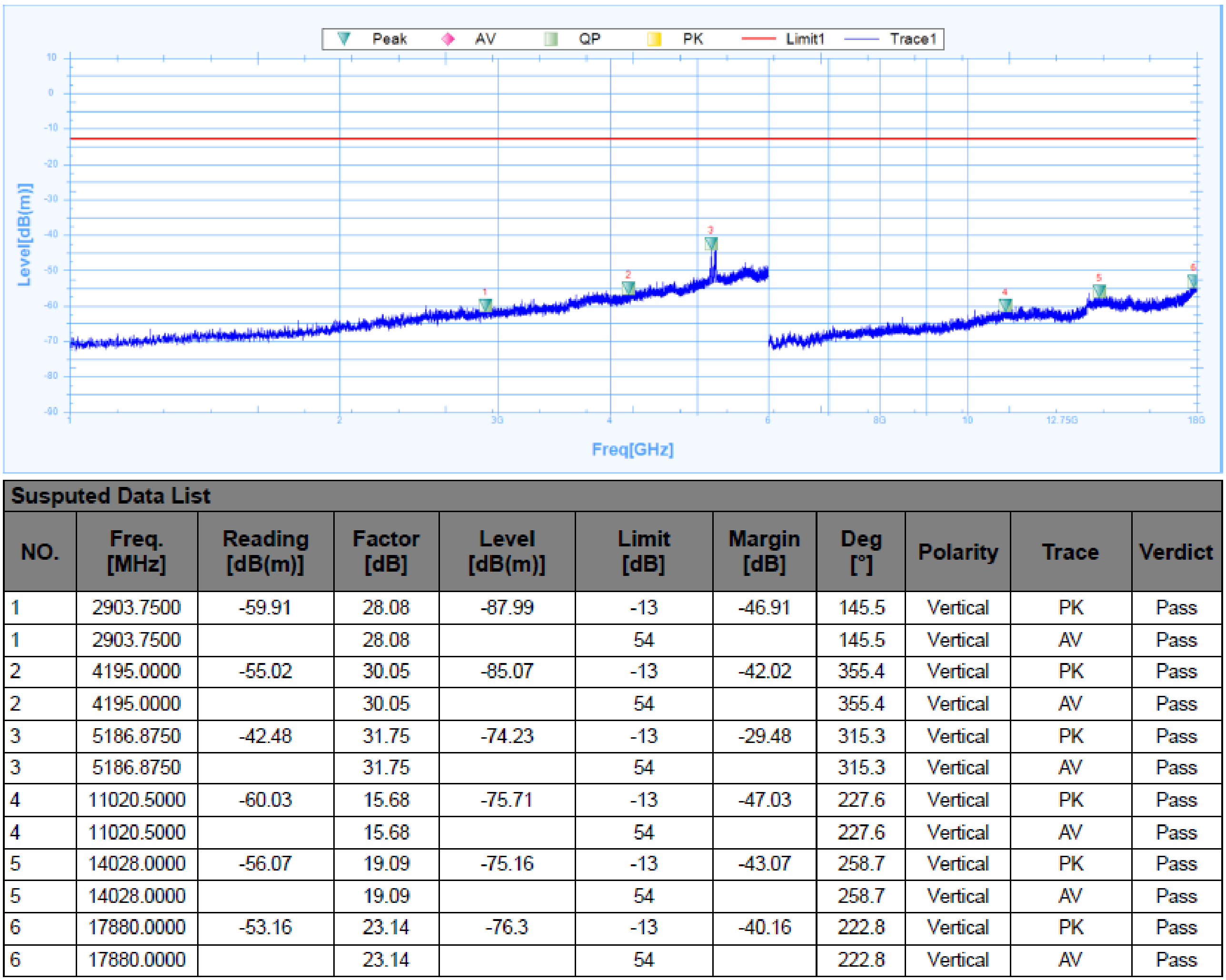
Band 7:

Horizontal:



Susputed Data List										
NO.	**Freq. [MHz]**	**Reading [dB(m)]**	**Factor [dB]**	**Level [dB(m)]**	**Limit [dB]**	**Margin [dB]**	**Deg [°]**	**Polarity**	**Trace**	**Verdict**
1	2606.8750	-60.53	27.73	-88.26	-13	-47.53	296.2	Horizontal	PK	Pass
1	2606.8750		27.73		54		296.2	Horizontal	AV	Pass
2	3843.1250	-55.53	29.32	-84.85	-13	-42.53	202.9	Horizontal	PK	Pass
2	3843.1250		29.32		54		202.9	Horizontal	AV	Pass
3	5183.7500	-45.32	31.75	-77.07	-13	-32.32	322.5	Horizontal	PK	Pass
3	5183.7500		31.75		54		322.5	Horizontal	AV	Pass
4	11991.0000	-60.2	16.81	-77.01	-13	-47.2	13.5	Horizontal	PK	Pass
4	11991.0000		16.81		54		13.5	Horizontal	AV	Pass
5	14107.5000	-56.38	19.02	-75.4	-13	-43.38	123.7	Horizontal	PK	Pass
5	14107.5000		19.02		54		123.7	Horizontal	AV	Pass
6	17985.0000	-52.82	23.82	-76.64	-13	-39.82	0.5	Horizontal	PK	Pass
6	17985.0000		23.82		54		0.5	Horizontal	AV	Pass

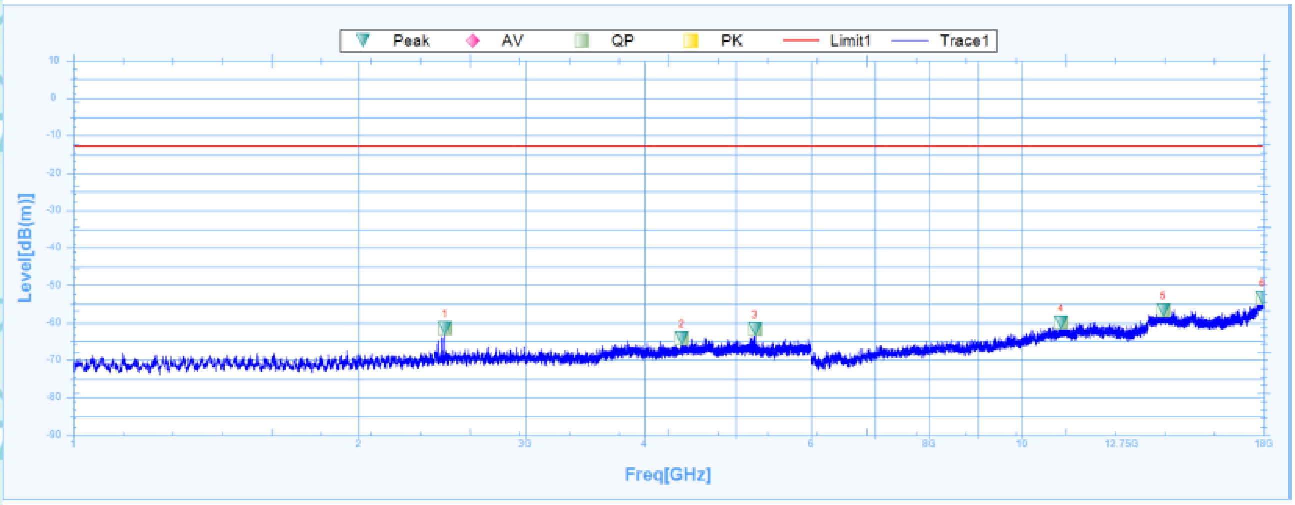
Vertical:



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2903.7500	-59.91	28.08	-87.99	-13	-46.91	145.5	Vertical	PK	Pass
1	2903.7500		28.08		54		145.5	Vertical	AV	Pass
2	4195.0000	-55.02	30.05	-85.07	-13	-42.02	355.4	Vertical	PK	Pass
2	4195.0000		30.05		54		355.4	Vertical	AV	Pass
3	5186.8750	-42.48	31.75	-74.23	-13	-29.48	315.3	Vertical	PK	Pass
3	5186.8750		31.75		54		315.3	Vertical	AV	Pass
4	11020.5000	-60.03	15.68	-75.71	-13	-47.03	227.6	Vertical	PK	Pass
4	11020.5000		15.68		54		227.6	Vertical	AV	Pass
5	14028.0000	-56.07	19.09	-75.16	-13	-43.07	258.7	Vertical	PK	Pass
5	14028.0000		19.09		54		258.7	Vertical	AV	Pass
6	17880.0000	-53.16	23.14	-76.3	-13	-40.16	222.8	Vertical	PK	Pass
6	17880.0000		23.14		54		222.8	Vertical	AV	Pass

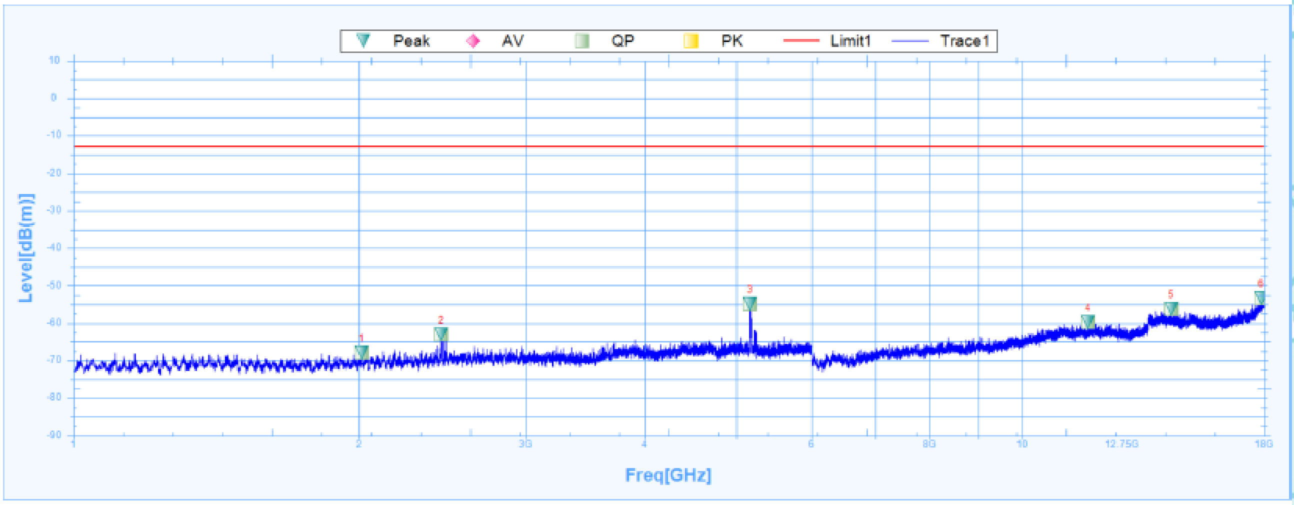
Band 12:
Horizontal:



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2465.6250	-61.49	27.48	-88.97	-13	-48.49	130	Horizontal	PK	Pass
1	2465.6250		27.48		54		130	Horizontal	AV	Pass
2	4385.0000	-64.21	30.39	-94.6	-13	-51.21	332.1	Horizontal	PK	Pass
2	4385.0000		30.39		54		332.1	Horizontal	AV	Pass
3	5235.0000	-61.62	31.79	-93.41	-13	-48.62	52.3	Horizontal	PK	Pass
3	5235.0000		31.79		54		52.3	Horizontal	AV	Pass
4	11004.0000	-59.9	15.63	-75.53	-13	-46.9	207.3	Horizontal	PK	Pass
4	11004.0000		15.63		54		207.3	Horizontal	AV	Pass
5	14106.0000	-56.69	19.02	-75.71	-13	-43.69	137.9	Horizontal	PK	Pass
5	14106.0000		19.02		54		137.9	Horizontal	AV	Pass
6	17944.5000	-53.34	23.54	-76.88	-13	-40.34	121.2	Horizontal	PK	Pass
6	17944.5000		23.54		54		121.2	Horizontal	AV	Pass

Vertical:

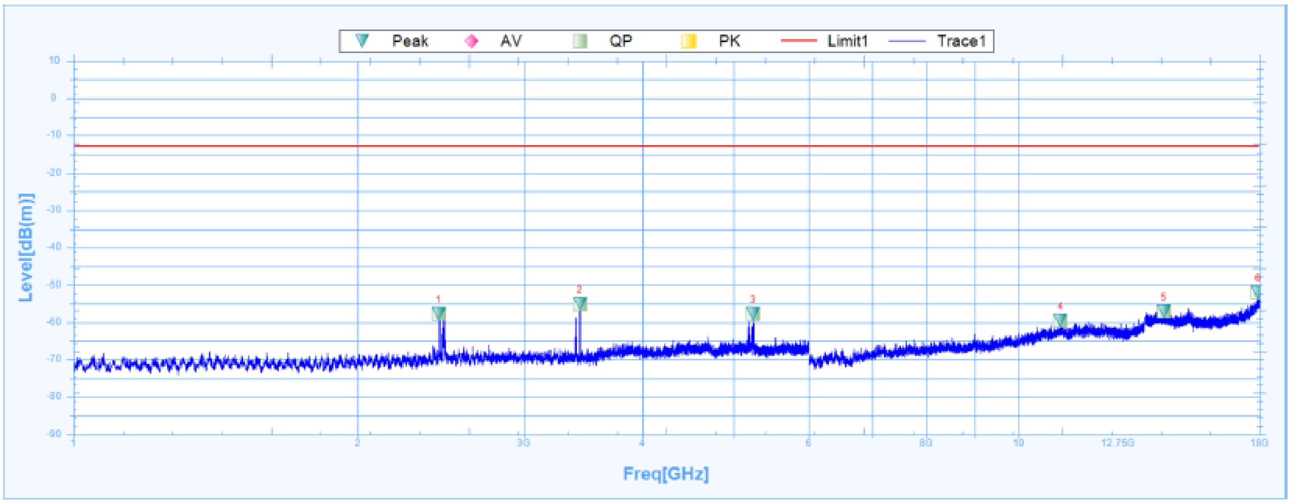


Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2011.2500	-67.96	25.94	-93.9	-13	-54.96	10.8	Vertical	PK	Pass
1	2011.2500		25.94		54		10.8	Vertical	AV	Pass
2	2442.5000	-63.1	27.4	-90.5	-13	-50.1	5.5	Vertical	PK	Pass
2	2442.5000		27.4		54		5.5	Vertical	AV	Pass
3	5171.8750	-54.97	31.74	-86.71	-13	-41.97	359	Vertical	PK	Pass
3	5171.8750		31.74		54		359	Vertical	AV	Pass
4	11745.0000	-59.76	16.11	-75.87	-13	-46.76	359.9	Vertical	PK	Pass
4	11745.0000		16.11		54		359.9	Vertical	AV	Pass
5	14368.5000	-56.24	18.75	-74.99	-13	-43.24	359.9	Vertical	PK	Pass
5	14368.5000		18.75		54		359.9	Vertical	AV	Pass
6	17874.0000	-53.28	23.1	-76.38	-13	-40.28	45.8	Vertical	PK	Pass
6	17874.0000		23.1		54		45.8	Vertical	AV	Pass

Band 17:

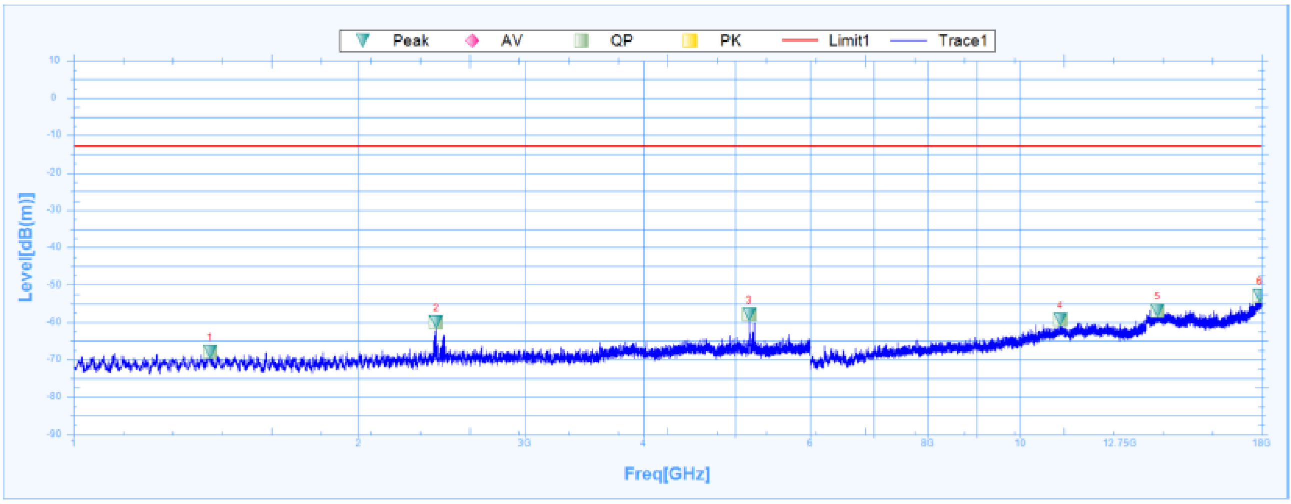
Horizontal:



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2435.0000	-57.73	27.38	-85.11	-13	-44.73	241.1	Horizontal	PK	Pass
1	2435.0000		27.38		54		241.1	Horizontal	AV	Pass
2	3435.6250	-55.04	28.46	-83.5	-13	-42.04	127.5	Horizontal	PK	Pass
2	3435.6250		28.46		54		127.5	Horizontal	AV	Pass
3	5241.2500	-57.79	31.79	-89.58	-13	-44.79	272.2	Horizontal	PK	Pass
3	5241.2500		31.79		54		272.2	Horizontal	AV	Pass
4	11083.5000	-59.55	15.88	-75.43	-13	-46.55	85.4	Horizontal	PK	Pass
4	11083.5000		15.88		54		85.4	Horizontal	AV	Pass
5	14254.5000	-57	18.87	-75.87	-13	-44	360.1	Horizontal	PK	Pass
5	14254.5000		18.87		54		360.1	Horizontal	AV	Pass
6	17934.0000	-52.03	23.48	-75.51	-13	-39.03	49.5	Horizontal	PK	Pass
6	17934.0000		23.48		54		49.5	Horizontal	AV	Pass

Vertical:

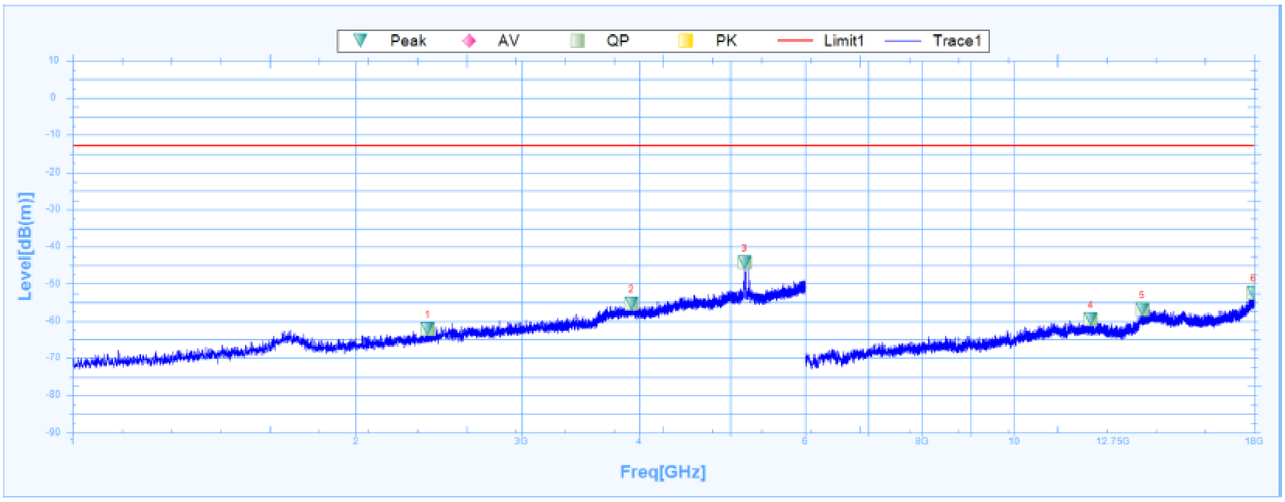


Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1393.7500	-67.87	25.08	-92.95	-13	-54.87	115.6	Vertical	PK	Pass
1	1393.7500		25.08		54		115.6	Vertical	AV	Pass
2	2417.5000	-59.86	27.32	-87.18	-13	-46.86	76.2	Vertical	PK	Pass
2	2417.5000		27.32		54		76.2	Vertical	AV	Pass
3	5176.8750	-58.04	31.74	-89.78	-13	-45.04	359.6	Vertical	PK	Pass
3	5176.8750		31.74		54		359.6	Vertical	AV	Pass
4	11026.5000	-59.29	15.71	-75	-13	-46.29	3.4	Vertical	PK	Pass
4	11026.5000		15.71		54		3.4	Vertical	AV	Pass
5	13975.5000	-56.85	19.05	-75.9	-13	-43.85	360.2	Vertical	PK	Pass
5	13975.5000		19.05		54		360.2	Vertical	AV	Pass
6	17919.0000	-52.87	23.38	-76.25	-13	-39.87	1	Vertical	PK	Pass
6	17919.0000		23.38		54		1	Vertical	AV	Pass

Band 38:

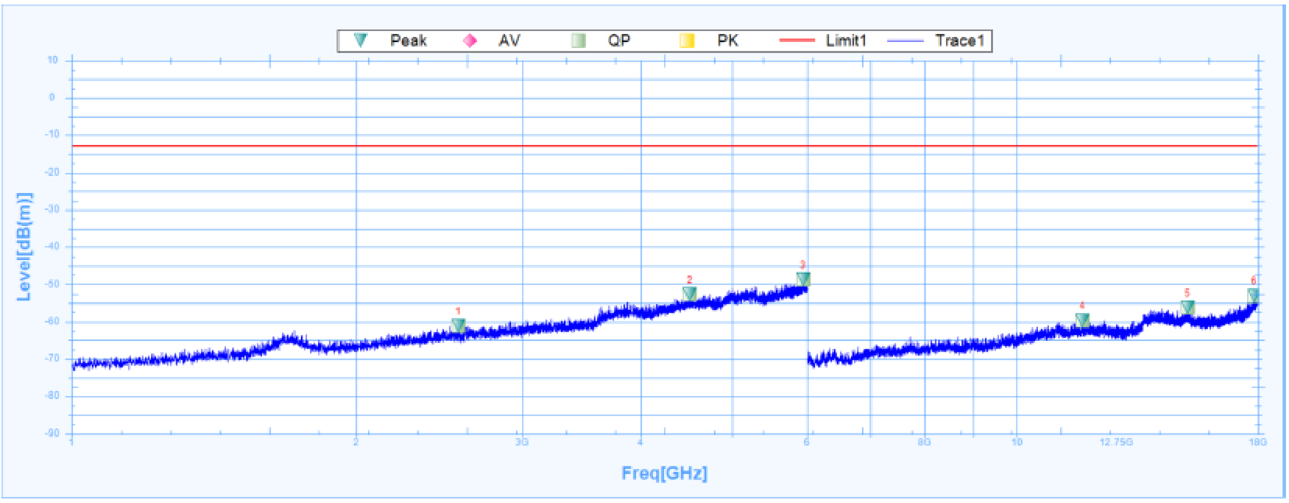
Horizontal:



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2383.7500	-62.16	27.2	-89.36	-13	-49.16	253.3	Horizontal	PK	Pass
1	2383.7500		27.2		54		253.3	Horizontal	AV	Pass
2	3922.5000	-55.28	29.51	-84.79	-13	-42.28	46.5	Horizontal	PK	Pass
2	3922.5000		29.51		54		46.5	Horizontal	AV	Pass
3	5178.1250	-44.24	31.74	-75.98	-13	-31.24	355.4	Horizontal	PK	Pass
3	5178.1250		31.74		54		355.4	Horizontal	AV	Pass
4	12070.5000	-59.45	16.73	-76.18	-13	-46.45	67.4	Horizontal	PK	Pass
4	12070.5000		16.73		54		67.4	Horizontal	AV	Pass
5	13687.5000	-56.89	18.23	-75.12	-13	-43.89	105.8	Horizontal	PK	Pass
5	13687.5000		18.23		54		105.8	Horizontal	AV	Pass
6	17983.5000	-52.37	23.81	-76.18	-13	-39.37	10.6	Horizontal	PK	Pass
6	17983.5000		23.81		54		10.6	Horizontal	AV	Pass

Vertical:

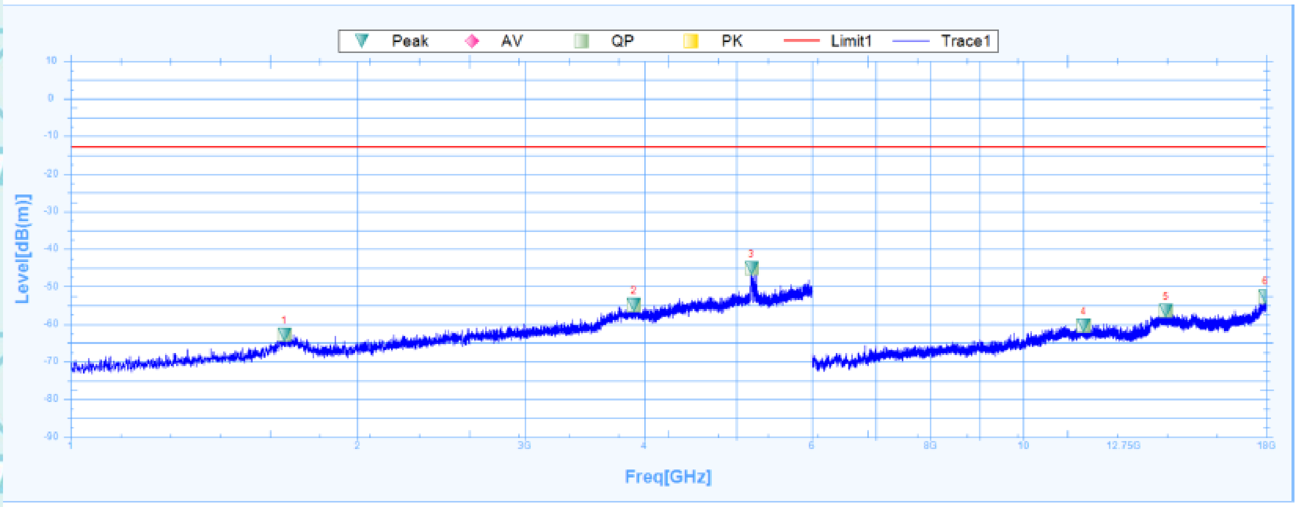


Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2565.0000	-61.06	27.68	-88.74	-13	-48.06	40.5	Vertical	PK	Pass
1	2565.0000		27.68		54		40.5	Vertical	AV	Pass
2	4512.5000	-52.62	30.62	-83.24	-13	-39.62	328.6	Vertical	PK	Pass
2	4512.5000		30.62		54		328.6	Vertical	AV	Pass
3	5946.2500	-48.73	32.71	-81.44	-13	-35.73	174.4	Vertical	PK	Pass
3	5946.2500		32.71		54		174.4	Vertical	AV	Pass
4	11745.0000	-59.62	16.11	-75.73	-13	-46.62	112.9	Vertical	PK	Pass
4	11745.0000		16.11		54		112.9	Vertical	AV	Pass
5	15175.5000	-56.17	19.34	-75.51	-13	-43.17	360.1	Vertical	PK	Pass
5	15175.5000		19.34		54		360.1	Vertical	AV	Pass
6	17836.5000	-52.99	22.85	-75.84	-13	-39.99	121.3	Vertical	PK	Pass
6	17836.5000		22.85		54		121.3	Vertical	AV	Pass

Band 41:

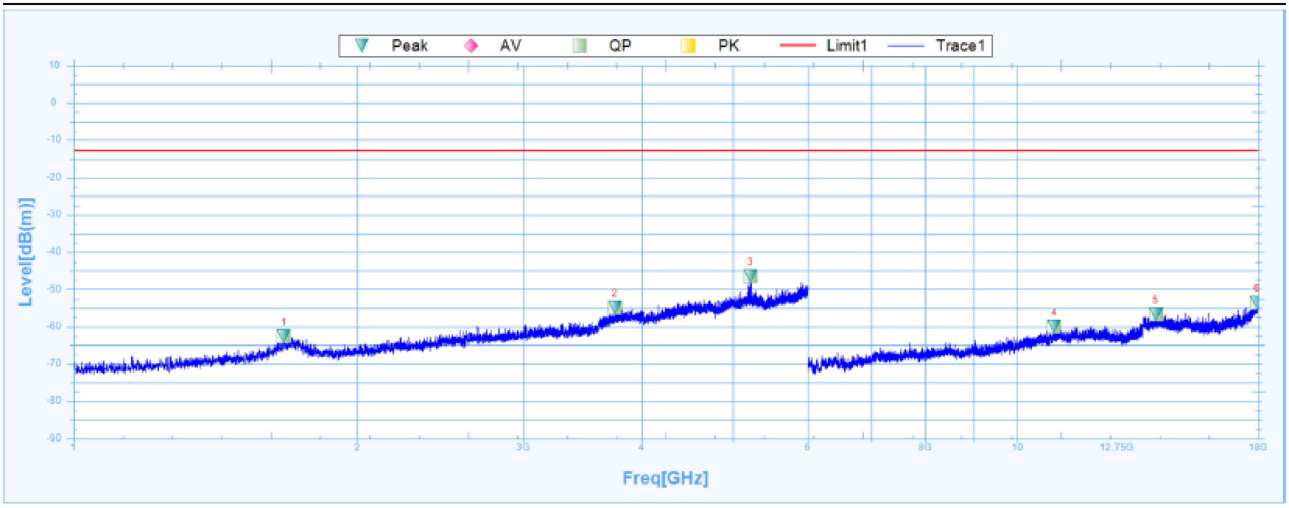
Horizontal:



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1676.2500	-62.75	24.94	-87.69	-13	-49.75	250.6	Horizontal	PK	Pass
1	1676.2500		24.94		54		250.6	Horizontal	AV	Pass
2	3905.0000	-54.91	29.47	-84.38	-13	-41.91	133.5	Horizontal	PK	Pass
2	3905.0000		29.47		54		133.5	Horizontal	AV	Pass
3	5187.5000	-45.15	31.75	-76.9	-13	-32.15	-0.1	Horizontal	PK	Pass
3	5187.5000		31.75		54		-0.1	Horizontal	AV	Pass
4	11571.0000	-60.38	16.2	-76.58	-13	-47.38	360	Horizontal	PK	Pass
4	11571.0000		16.2		54		360	Horizontal	AV	Pass
5	14124.0000	-56.42	19	-75.42	-13	-43.42	0.5	Horizontal	PK	Pass
5	14124.0000		19		54		0.5	Horizontal	AV	Pass
6	17952.0000	-52.56	23.59	-76.15	-13	-39.56	73.4	Horizontal	PK	Pass
6	17952.0000		23.59		54		73.4	Horizontal	AV	Pass

Vertical:

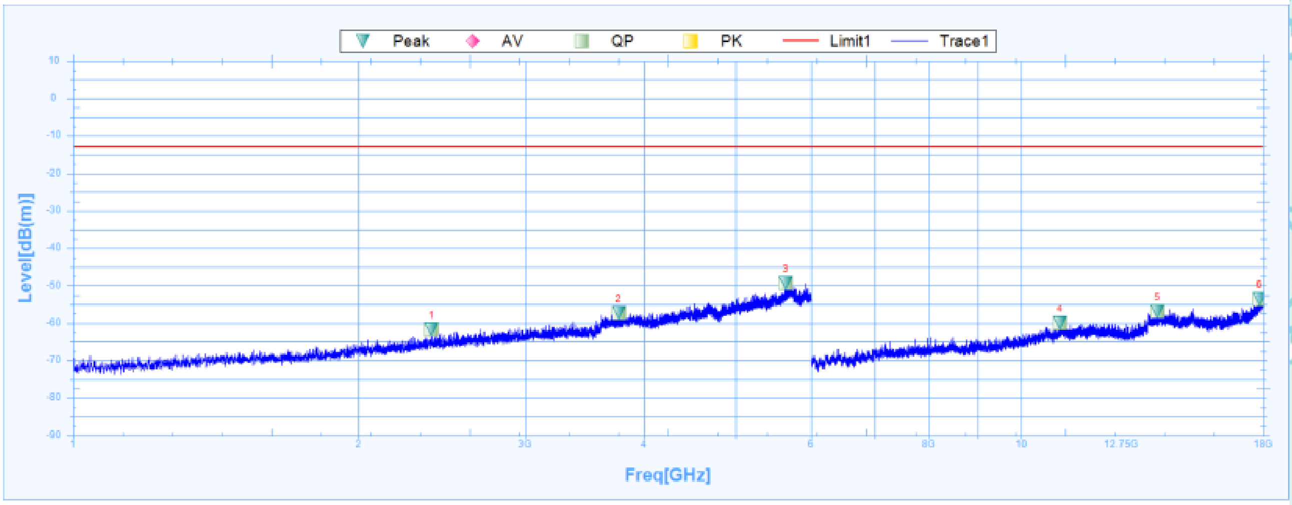


Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1671.8750	-62.68	24.94	-87.62	-13	-49.68	-0.1	Vertical	PK	Pass
1	1671.8750		24.94		54		-0.1	Vertical	AV	Pass
2	3748.7500	-54.88	29.1	-83.98	-13	-41.88	43.8	Vertical	PK	Pass
2	3748.7500		29.1		54		43.8	Vertical	AV	Pass
3	5220.0000	-46.43	31.78	-78.21	-13	-33.43	14	Vertical	PK	Pass
3	5220.0000		31.78		54		14	Vertical	AV	Pass
4	10948.5000	-59.92	15.33	-75.25	-13	-46.92	360	Vertical	PK	Pass
4	10948.5000		15.33		54		360	Vertical	AV	Pass
5	14022.0000	-56.74	19.1	-75.84	-13	-43.74	35.2	Vertical	PK	Pass
5	14022.0000		19.1		54		35.2	Vertical	AV	Pass
6	17947.5000	-53.55	23.56	-77.11	-13	-40.55	279	Vertical	PK	Pass
6	17947.5000		23.56		54		279	Vertical	AV	Pass

Band 42(3450-3550Mhz):

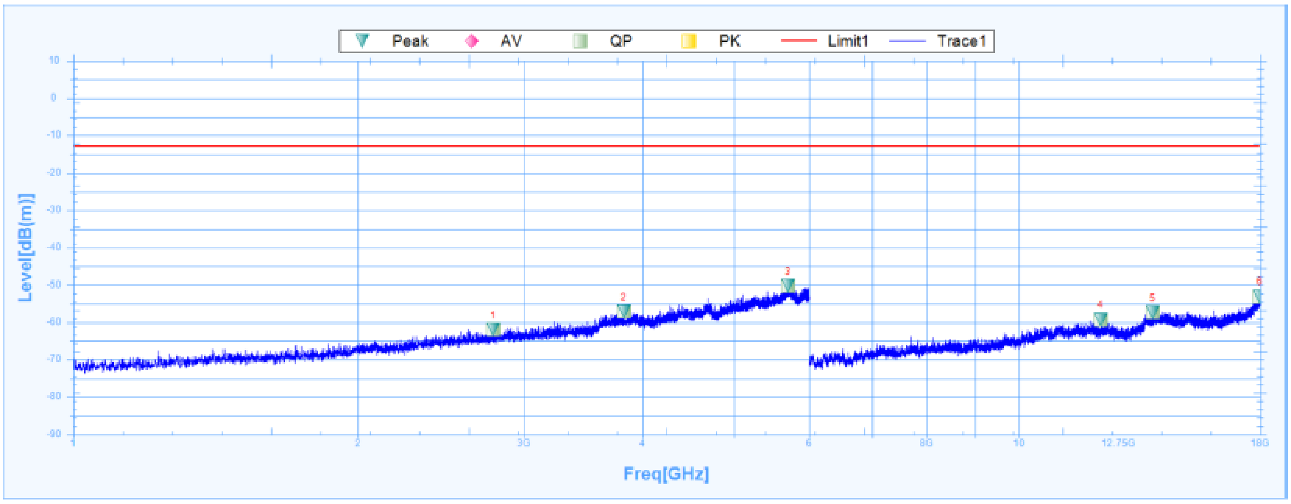
Horizontal:



Susputed Data List

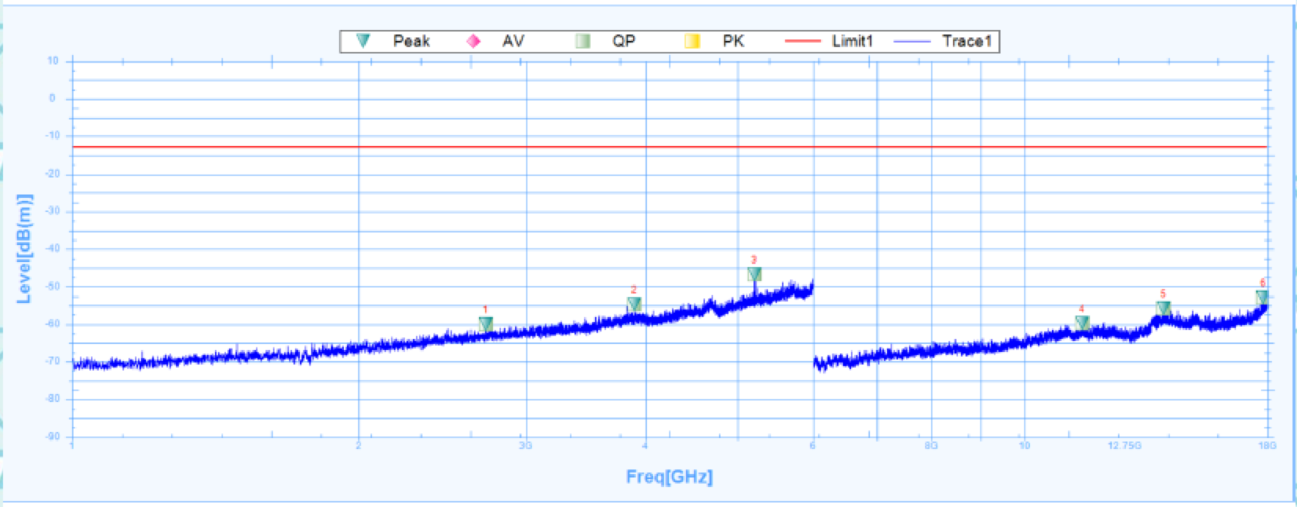
NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2389.3750	-61.69	27.22	-88.91	-13	-48.69	313	Horizontal	PK	Pass
1	2389.3750		27.22		54		313	Horizontal	AV	Pass
2	3761.2500	-57.24	29.13	-86.37	-13	-44.24	88.2	Horizontal	PK	Pass
2	3761.2500		29.13		54		88.2	Horizontal	AV	Pass
3	5648.1250	-49.42	32.24	-81.66	-13	-36.42	120.5	Horizontal	PK	Pass
3	5648.1250		32.24		54		120.5	Horizontal	AV	Pass
4	10989.0000	-59.88	15.55	-75.43	-13	-46.88	7	Horizontal	PK	Pass
4	10989.0000		15.55		54		7	Horizontal	AV	Pass
5	13926.0000	-56.8	18.91	-75.71	-13	-43.8	29.3	Horizontal	PK	Pass
5	13926.0000		18.91		54		29.3	Horizontal	AV	Pass
6	17835.0000	-53.47	22.84	-76.31	-13	-40.47	126	Horizontal	PK	Pass
6	17835.0000		22.84		54		126	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	2781.2500	-61.99	27.94	-89.93	-13	-48.99	58.2	Vertical	PK	Pass
1	2781.2500		27.94		54		58.2	Vertical	AV	Pass
2	3821.2500	-57.01	29.27	-86.28	-13	-44.01	305.8	Vertical	PK	Pass
2	3821.2500		29.27		54		305.8	Vertical	AV	Pass
3	5703.7500	-50.25	32.33	-82.58	-13	-37.25	211.3	Vertical	PK	Pass
3	5703.7500		32.33		54		211.3	Vertical	AV	Pass
4	12207.0000	-59.18	16.53	-75.71	-13	-46.18	293.3	Vertical	PK	Pass
4	12207.0000		16.53		54		293.3	Vertical	AV	Pass
5	13860.0000	-57.38	18.72	-76.1	-13	-44.38	134.3	Vertical	PK	Pass
5	13860.0000		18.72		54		134.3	Vertical	AV	Pass
6	17988.0000	-53	23.84	-76.84	-13	-40	19.2	Vertical	PK	Pass
6	17988.0000		23.84		54		19.2	Vertical	AV	Pass

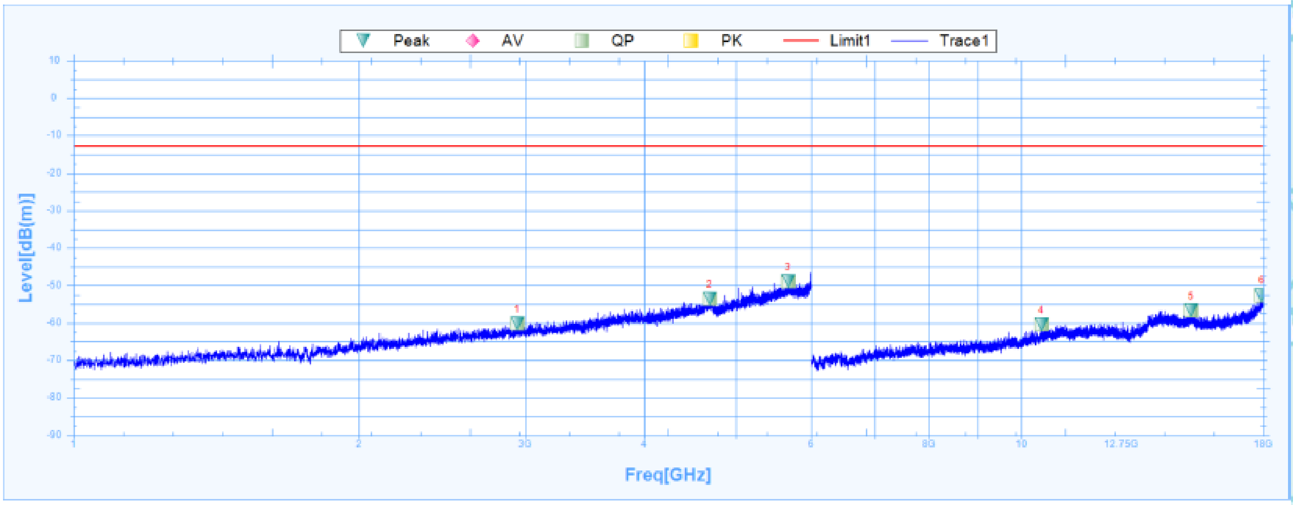
Band 66:
Horizontal:



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2718.7500	-60.02	27.86	-87.88	-13	-47.02	112.1	Horizontal	PK	Pass
1	2718.7500		27.86		54		112.1	Horizontal	AV	Pass
2	3895.0000	-54.67	29.45	-84.12	-13	-41.67	155.1	Horizontal	PK	Pass
2	3895.0000		29.45		54		155.1	Horizontal	AV	Pass
3	5206.2500	-46.71	31.76	-78.47	-13	-33.71	119.3	Horizontal	PK	Pass
3	5206.2500		31.76		54		119.3	Horizontal	AV	Pass
4	11497.5000	-59.76	16.12	-75.88	-13	-46.76	274.2	Horizontal	PK	Pass
4	11497.5000		16.12		54		274.2	Horizontal	AV	Pass
5	14005.5000	-55.68	19.11	-74.79	-13	-42.68	200.2	Horizontal	PK	Pass
5	14005.5000		19.11		54		200.2	Horizontal	AV	Pass
6	17823.0000	-52.84	22.77	-75.61	-13	-39.84	126	Horizontal	PK	Pass
6	17823.0000		22.77		54		126	Horizontal	AV	Pass

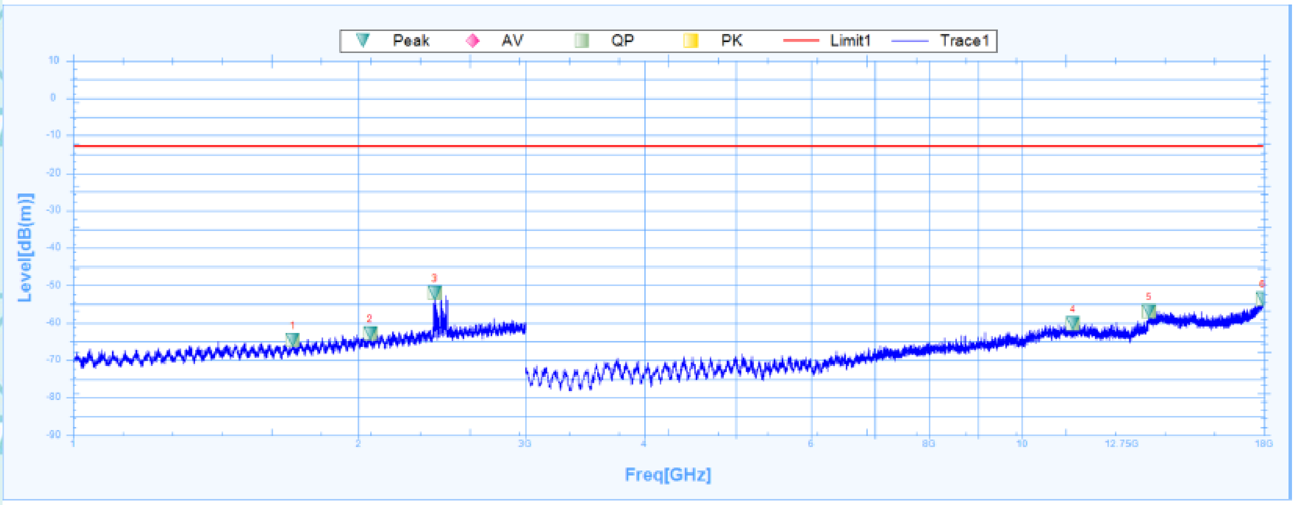
Vertical:



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2938.7500	-60.11	28.13	-88.24	-13	-47.11	240	Vertical	PK	Pass
1	2938.7500		28.13		54		240	Vertical	AV	Pass
2	4690.0000	-53.52	30.98	-84.5	-13	-40.52	256.7	Vertical	PK	Pass
2	4690.0000		30.98		54		256.7	Vertical	AV	Pass
3	5673.7500	-48.87	32.28	-81.15	-13	-35.87	225.6	Vertical	PK	Pass
3	5673.7500		32.28		54		225.6	Vertical	AV	Pass
4	10500.0000	-60.42	13.94	-74.36	-13	-47.42	96.2	Vertical	PK	Pass
4	10500.0000		13.94		54		96.2	Vertical	AV	Pass
5	15115.5000	-56.67	19.72	-76.39	-13	-43.67	227.6	Vertical	PK	Pass
5	15115.5000		19.72		54		227.6	Vertical	AV	Pass
6	17935.5000	-52.56	23.49	-76.05	-13	-39.56	360.1	Vertical	PK	Pass
6	17935.5000		23.49		54		360.1	Vertical	AV	Pass

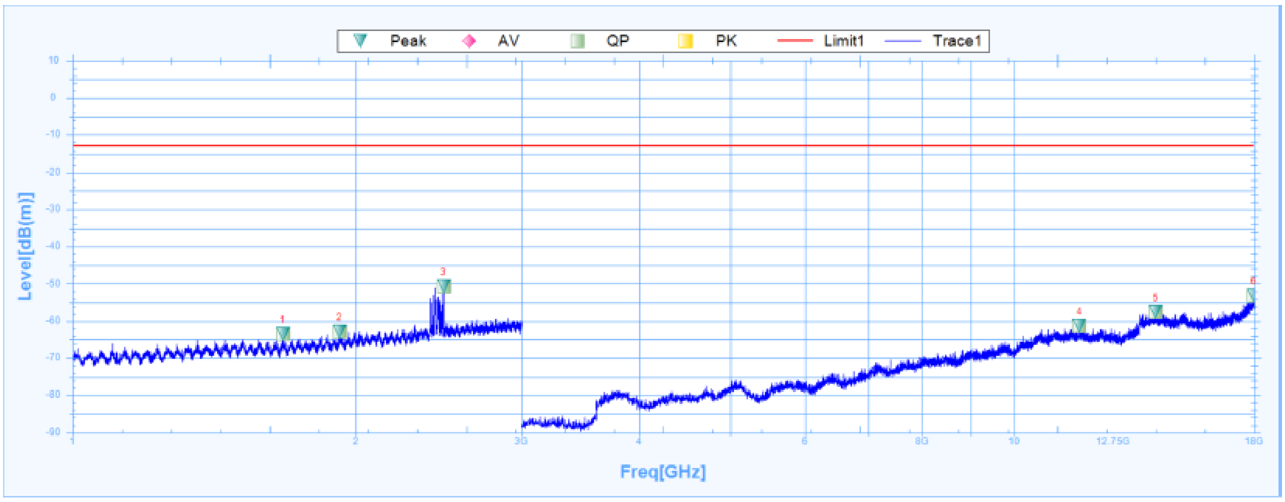
NR Bands
n5:
Horizontal：



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1704.2500	-64.64	0.9	-65.54	-13	-51.64	329.9	Horizontal	PK	Pass
1	1704.2500		0.9		54		329.9	Horizontal	AV	Pass
2	2056.2500	-62.77	3.44	-66.21	-13	-49.77	108.7	Horizontal	PK	Pass
2	2056.2500		3.44		54		108.7	Horizontal	AV	Pass
3	2407.2500	-51.95	5.77	-57.72	-13	-38.95	186.5	Horizontal	PK	Pass
3	2407.2500		5.77		54		186.5	Horizontal	AV	Pass
4	11323.1250	-60.12	39.21	-99.33	-13	-47.12	197.7	Horizontal	PK	Pass
4	11323.1250		39.21		54		197.7	Horizontal	AV	Pass
5	13621.8750	-56.85	40.52	-97.37	-13	-43.85	10.6	Horizontal	PK	Pass
5	13621.8750		40.52		54		10.6	Horizontal	AV	Pass
6	17940.0000	-53.47	46.1	-99.57	-13	-40.47	313.7	Horizontal	PK	Pass
6	17940.0000		46.1		54		313.7	Horizontal	AV	Pass

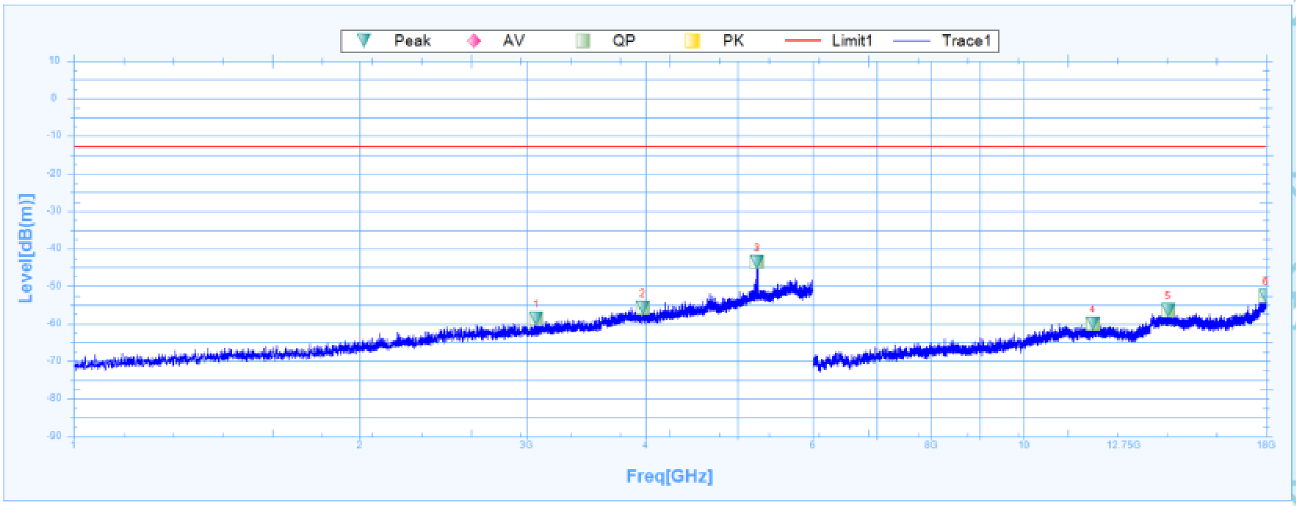
Vertical：



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1672.2500	-63.4	0.8	-64.2	-13	-50.4	347.2	Vertical	PK	Pass
1	1672.2500		0.8		54		347.2	Vertical	AV	Pass
2	1922.2500	-62.76	2.29	-65.05	-13	-49.76	95.5	Vertical	PK	Pass
2	1922.2500		2.29		54		95.5	Vertical	AV	Pass
3	2478.2500	-50.59	6.21	-56.8	-13	-37.59	359.5	Vertical	PK	Pass
3	2478.2500		6.21		54		359.5	Vertical	AV	Pass
4	11745.0000	-61.18	38.83	-100.01	-13	-48.18	277.8	Vertical	PK	Pass
4	11745.0000		38.83		54		277.8	Vertical	AV	Pass
5	14154.3750	-57.48	41.3	-98.78	-13	-44.48	190.6	Vertical	PK	Pass
5	14154.3750		41.3		54		190.6	Vertical	AV	Pass
6	17986.8750	-53.12	46.41	-99.53	-13	-40.12	178.6	Vertical	PK	Pass
6	17986.8750		46.41		54		178.6	Vertical	AV	Pass

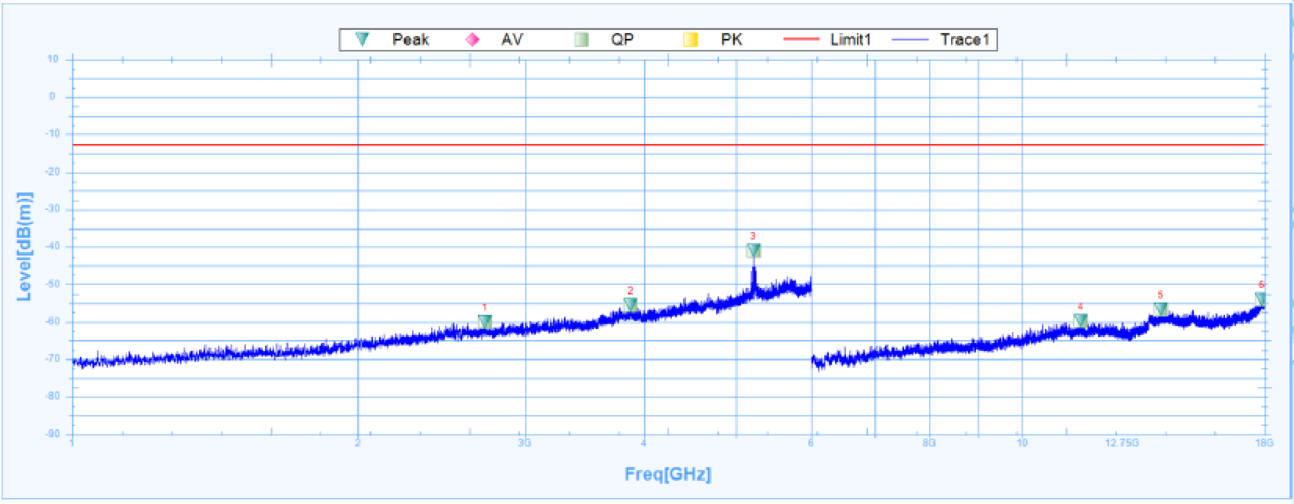
n7:
Horizontal：



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	3068.7500	-58.7	8.73	-67.43	-13	-45.7	167	Horizontal	PK	Pass
1	3068.7500		8.73		54		167	Horizontal	AV	Pass
2	3973.7500	-55.75	12.72	-68.47	-13	-42.75	103.7	Horizontal	PK	Pass
2	3973.7500		12.72		54		103.7	Horizontal	AV	Pass
3	5243.7500	-43.62	19.43	-63.05	-13	-30.62	287.8	Horizontal	PK	Pass
3	5243.7500		19.43		54		287.8	Horizontal	AV	Pass
4	11820.0000	-59.86	38.76	-98.62	-13	-46.86	358.5	Horizontal	PK	Pass
4	11820.0000		38.76		54		358.5	Horizontal	AV	Pass
5	14190.0000	-56.51	41.25	-97.76	-13	-43.51	357.6	Horizontal	PK	Pass
5	14190.0000		41.25		54		357.6	Horizontal	AV	Pass
6	17989.5000	-52.75	46.43	-99.18	-13	-39.75	1.2	Horizontal	PK	Pass
6	17989.5000		46.43		54		1.2	Horizontal	AV	Pass

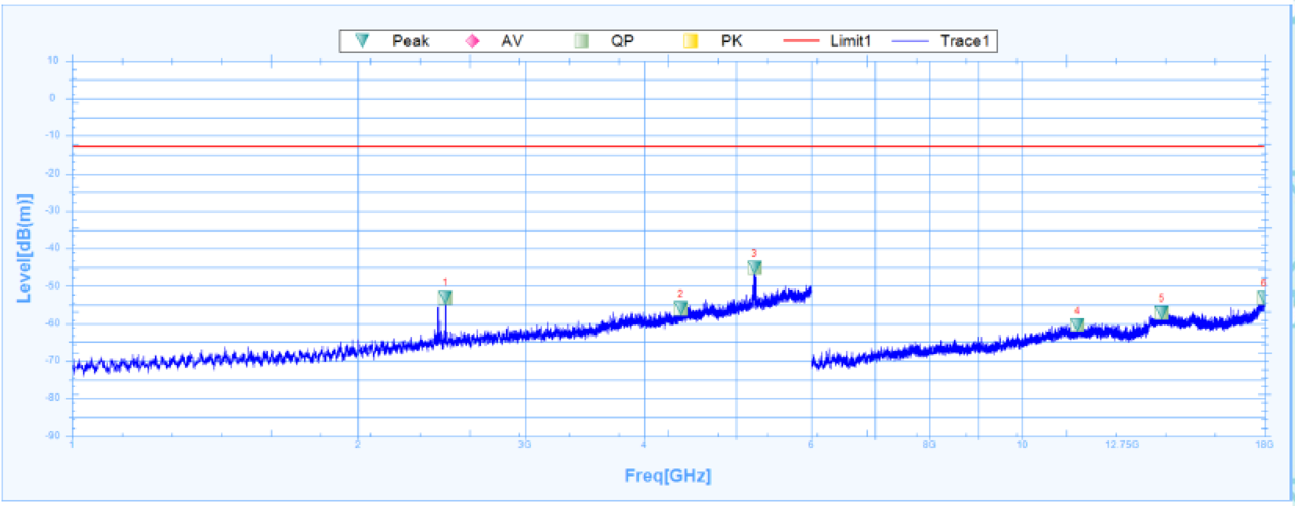
Vertical：



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2720.6250	-59.88	7.19	-67.07	-13	-46.88	358.6	Vertical	PK	Pass
1	2720.6250		7.19		54		358.6	Vertical	AV	Pass
2	3874.3750	-55.48	12.28	-67.76	-13	-42.48	96.6	Vertical	PK	Pass
2	3874.3750		12.28		54		96.6	Vertical	AV	Pass
3	5218.1250	-41.03	19.24	-60.27	-13	-28.03	165.9	Vertical	PK	Pass
3	5218.1250		19.24		54		165.9	Vertical	AV	Pass
4	11530.5000	-59.7	39.02	-98.72	-13	-46.7	351	Vertical	PK	Pass
4	11530.5000		39.02		54		351	Vertical	AV	Pass
5	13996.5000	-56.71	41.49	-98.2	-13	-43.71	357	Vertical	PK	Pass
5	13996.5000		41.49		54		357	Vertical	AV	Pass
6	17895.0000	-54.02	45.8	-99.82	-13	-41.02	10.7	Vertical	PK	Pass
6	17895.0000		45.8		54		10.7	Vertical	AV	Pass

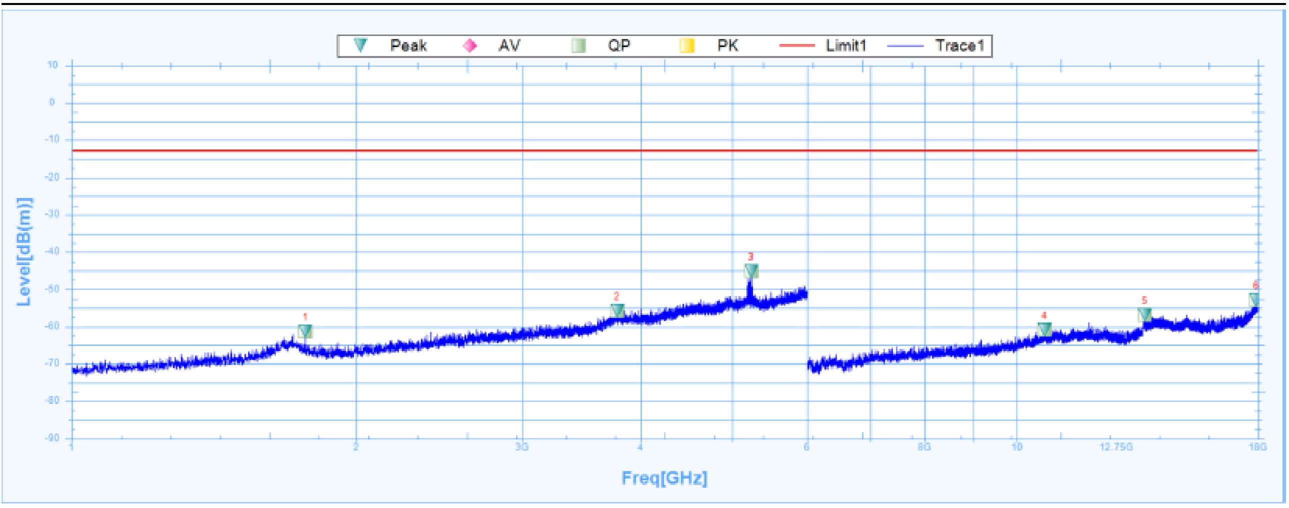
n12:
Horizontal：



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2471.8750	-52.99	6.13	-59.12	-13	-39.99	16.4	Horizontal	PK	Pass
1	2471.8750		6.13		54		16.4	Horizontal	AV	Pass
2	4373.7500	-56.06	14.18	-70.24	-13	-43.06	16.4	Horizontal	PK	Pass
2	4373.7500		14.18		54		16.4	Horizontal	AV	Pass
3	5231.8750	-45.25	19.35	-64.6	-13	-32.25	268.6	Horizontal	PK	Pass
3	5231.8750		19.35		54		268.6	Horizontal	AV	Pass
4	11440.5000	-60.33	39.1	-99.43	-13	-47.33	10.8	Horizontal	PK	Pass
4	11440.5000		39.1		54		10.8	Horizontal	AV	Pass
5	14035.5000	-57.02	41.45	-98.47	-13	-44.02	353.7	Horizontal	PK	Pass
5	14035.5000		41.45		54		353.7	Horizontal	AV	Pass
6	17986.5000	-53.18	46.41	-99.59	-13	-40.18	181	Horizontal	PK	Pass
6	17986.5000		46.41		54		181	Horizontal	AV	Pass

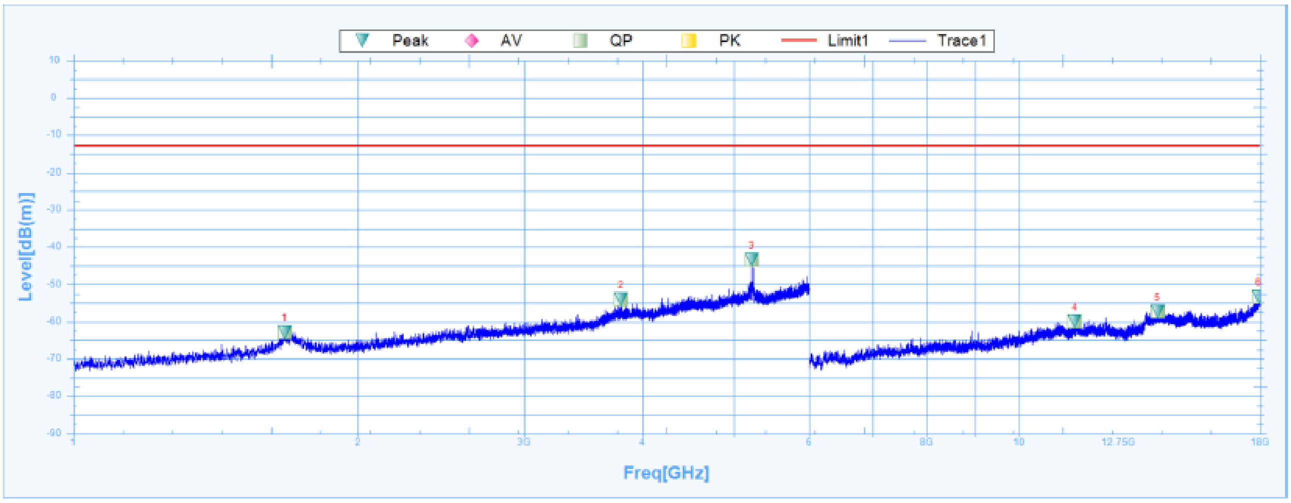
Vertical：



Susputed Data List

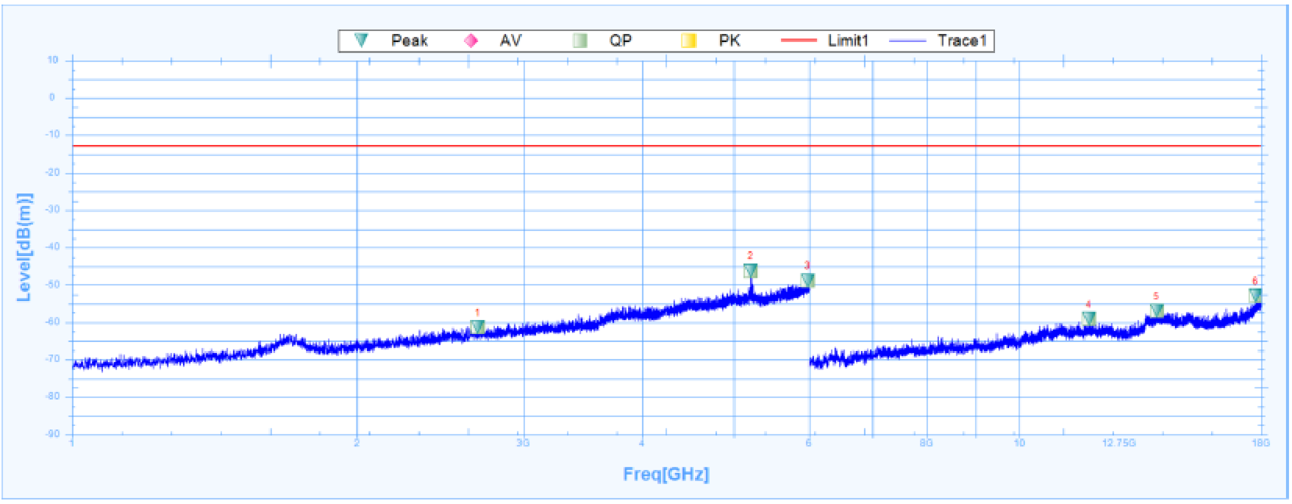
NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1766.8750	-61.23	1.34	-62.57	-13	-48.23	118.1	Vertical	PK	Pass
1	1766.8750		1.34		54		118.1	Vertical	AV	Pass
2	3778.7500	-55.66	11.74	-67.4	-13	-42.66	281.8	Vertical	PK	Pass
2	3778.7500		11.74		54		281.8	Vertical	AV	Pass
3	5237.5000	-45.13	19.38	-64.51	-13	-32.13	106.1	Vertical	PK	Pass
3	5237.5000		19.38		54		106.1	Vertical	AV	Pass
4	10701.0000	-60.74	39.08	-99.82	-13	-47.74	255.1	Vertical	PK	Pass
4	10701.0000		39.08		54		255.1	Vertical	AV	Pass
5	13665.0000	-56.77	40.63	-97.4	-13	-43.77	316.2	Vertical	PK	Pass
5	13665.0000		40.63		54		316.2	Vertical	AV	Pass
6	17928.0000	-52.98	46.02	-99	-13	-39.98	124.8	Vertical	PK	Pass
6	17928.0000		46.02		54		124.8	Vertical	AV	Pass

n38:
Horizontal：



Susputed Data List										
NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1672.5000	-62.85	0.8	-63.65	-13	-49.85	255.5	Horizontal	PK	Pass
1	1672.5000		0.8		54		255.5	Horizontal	AV	Pass
2	3796.2500	-53.92	11.84	-65.76	-13	-40.92	70.2	Horizontal	PK	Pass
2	3796.2500		11.84		54		70.2	Horizontal	AV	Pass
3	5221.2500	-43.44	19.27	-62.71	-13	-30.44	359.4	Horizontal	PK	Pass
3	5221.2500		19.27		54		359.4	Horizontal	AV	Pass
4	11463.0000	-60.05	39.08	-99.13	-13	-47.05	1.8	Horizontal	PK	Pass
4	11463.0000		39.08		54		1.8	Horizontal	AV	Pass
5	14016.0000	-57.36	41.48	-98.84	-13	-44.36	215.5	Horizontal	PK	Pass
5	14016.0000		41.48		54		215.5	Horizontal	AV	Pass
6	17937.0000	-53.34	46.08	-99.42	-13	-40.34	359.9	Horizontal	PK	Pass
6	17937.0000		46.08		54		359.9	Horizontal	AV	Pass

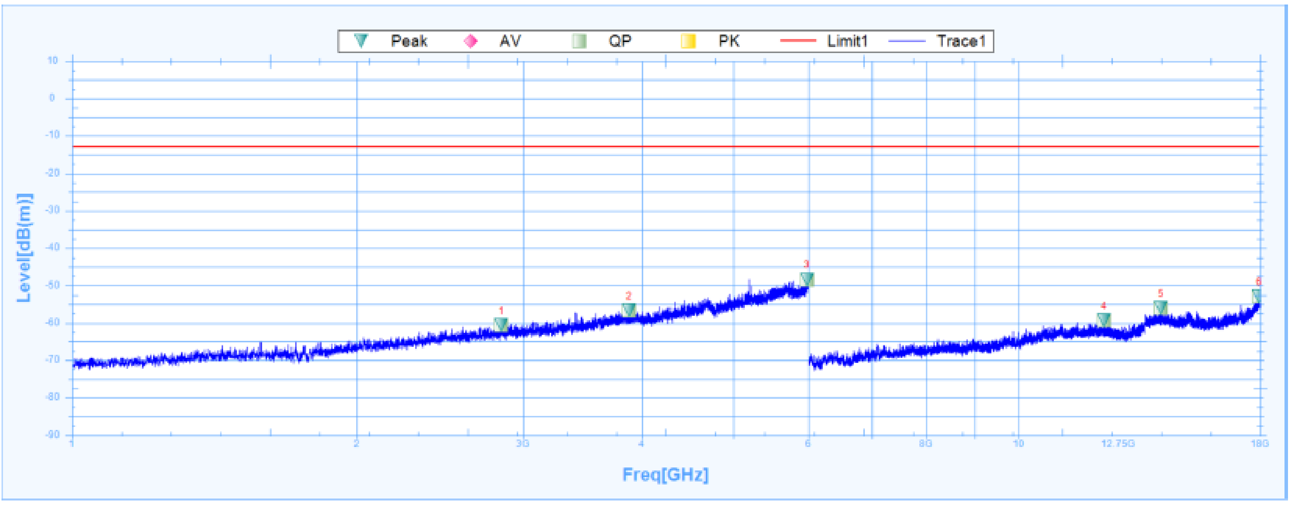
Vertical：



Susputed Data List

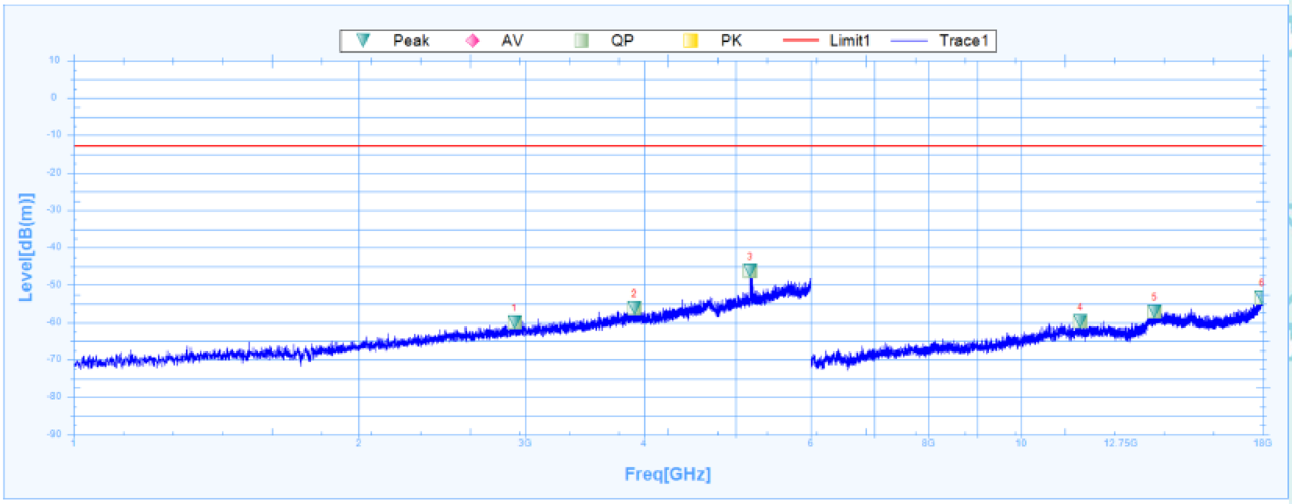
NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2681.8750	-61.22	7.07	-68.29	-13	-48.22	360	Vertical	PK	Pass
1	2681.8750		7.07		54		360	Vertical	AV	Pass
2	5206.8750	-46.15	19.17	-65.32	-13	-33.15	349.1	Vertical	PK	Pass
2	5206.8750		19.17		54		349.1	Vertical	AV	Pass
3	5981.2500	-48.79	22.45	-71.24	-13	-35.79	197.7	Vertical	PK	Pass
3	5981.2500		22.45		54		197.7	Vertical	AV	Pass
4	11844.0000	-59.07	38.74	-97.81	-13	-46.07	1.8	Vertical	PK	Pass
4	11844.0000		38.74		54		1.8	Vertical	AV	Pass
5	13966.5000	-56.93	41.41	-98.34	-13	-43.93	348.2	Vertical	PK	Pass
5	13966.5000		41.41		54		348.2	Vertical	AV	Pass
6	17761.5000	-52.82	44.9	-97.72	-13	-39.82	300.6	Vertical	PK	Pass
6	17761.5000		44.9		54		300.6	Vertical	AV	Pass

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	2843.7500	-60.62	7.78	-68.4	-13	-47.62	347.8	Horizontal	PK	Pass
1	2843.7500		7.78		54		347.8	Horizontal	AV	Pass
2	3880.6250	-56.59	12.31	-68.9	-13	-43.59	145.6	Horizontal	PK	Pass
2	3880.6250		12.31		54		145.6	Horizontal	AV	Pass
3	5982.5000	-48.35	22.44	-70.79	-13	-35.35	151.5	Horizontal	PK	Pass
3	5982.5000		22.44		54		151.5	Horizontal	AV	Pass
4	12321.0000	-59.33	38.7	-98.03	-13	-46.33	0.5	Horizontal	PK	Pass
4	12321.0000		38.7		54		0.5	Horizontal	AV	Pass
5	14149.5000	-56.06	41.31	-97.37	-13	-43.06	351.2	Horizontal	PK	Pass
5	14149.5000		41.31		54		351.2	Horizontal	AV	Pass
6	17968.5000	-52.94	46.29	-99.23	-13	-39.94	163.1	Horizontal	PK	Pass
6	17968.5000		46.29		54		163.1	Horizontal	AV	Pass

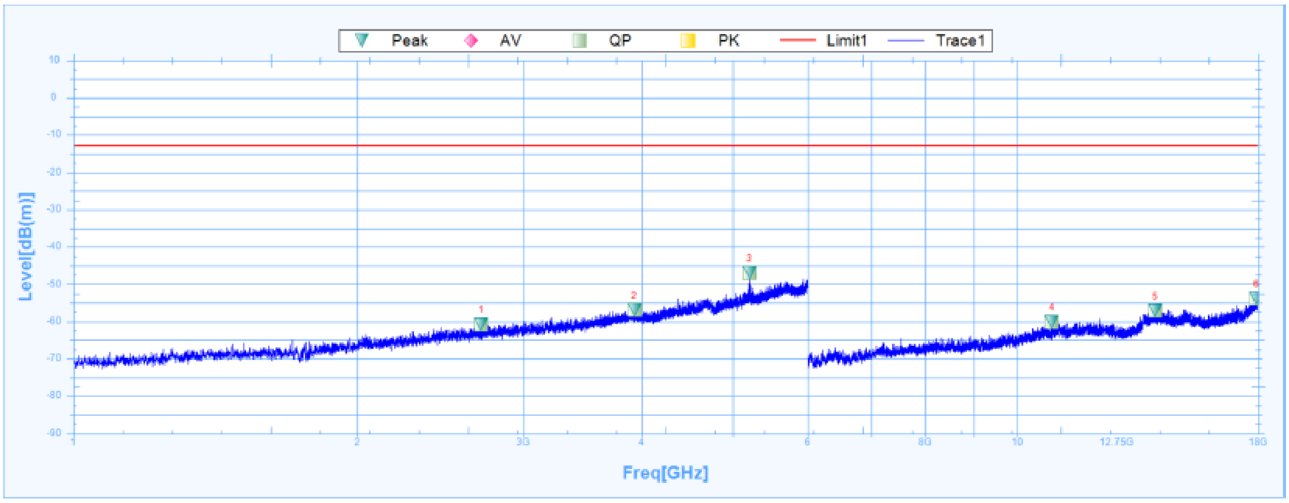
Vertical：



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2920.6250	-59.86	8.01	-67.87	-13	-46.86	265	Vertical	PK	Pass
1	2920.6250		8.01		54		265	Vertical	AV	Pass
2	3908.1250	-56.29	12.47	-68.76	-13	-43.29	349.1	Vertical	PK	Pass
2	3908.1250		12.47		54		349.1	Vertical	AV	Pass
3	5181.8750	-46.24	19	-65.24	-13	-33.24	359.5	Vertical	PK	Pass
3	5181.8750		19		54		359.5	Vertical	AV	Pass
4	11556.0000	-59.7	39	-98.7	-13	-46.7	202.5	Vertical	PK	Pass
4	11556.0000		39		54		202.5	Vertical	AV	Pass
5	13846.5000	-57.18	41.1	-98.28	-13	-44.18	360.1	Vertical	PK	Pass
5	13846.5000		41.1		54		360.1	Vertical	AV	Pass
6	17968.5000	-53.41	46.29	-99.7	-13	-40.41	1.4	Vertical	PK	Pass
6	17968.5000		46.29		54		1.4	Vertical	AV	Pass

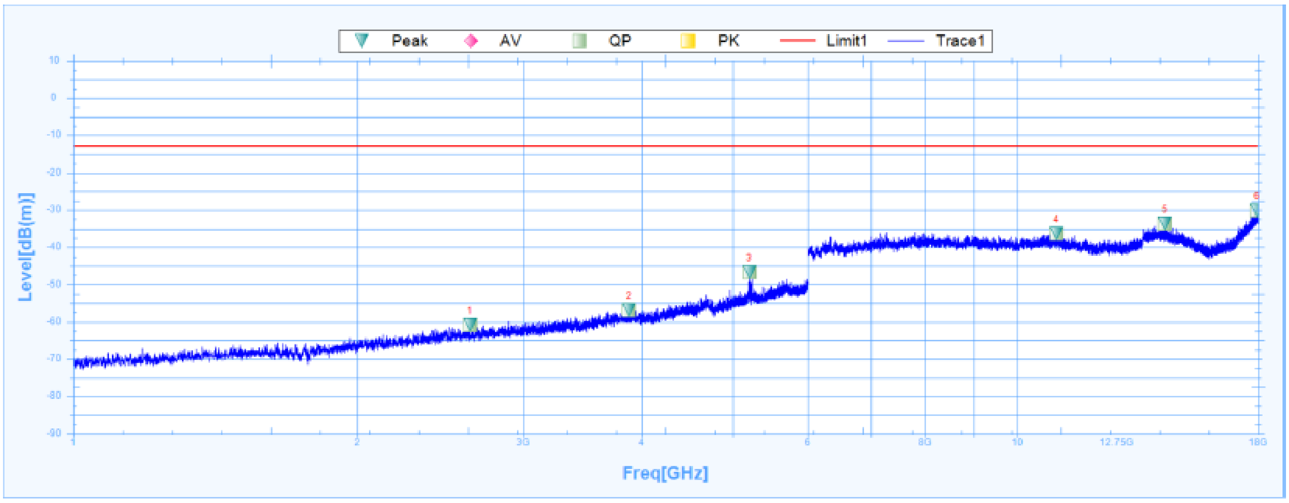
n66:
Horizontal：



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2705.6250	-60.73	27.85	-88.58	-13	-47.73	354.2	Horizontal	PK	Pass
1	2705.6250		27.85		54		354.2	Horizontal	AV	Pass
2	3930.6250	-56.79	29.53	-86.32	-13	-43.79	94.2	Horizontal	PK	Pass
2	3930.6250		29.53		54		94.2	Horizontal	AV	Pass
3	5204.3750	-46.91	31.76	-78.67	-13	-33.91	93	Horizontal	PK	Pass
3	5204.3750		31.76		54		93	Horizontal	AV	Pass
4	10884.0000	-60.06	14.98	-75.04	-13	-47.06	1.8	Horizontal	PK	Pass
4	10884.0000		14.98		54		1.8	Horizontal	AV	Pass
5	14011.5000	-57.05	19.12	-76.17	-13	-44.05	240.8	Horizontal	PK	Pass
5	14011.5000		19.12		54		240.8	Horizontal	AV	Pass
6	17932.5000	-53.69	23.47	-77.16	-13	-40.69	247.9	Horizontal	PK	Pass
6	17932.5000		23.47		54		247.9	Horizontal	AV	Pass

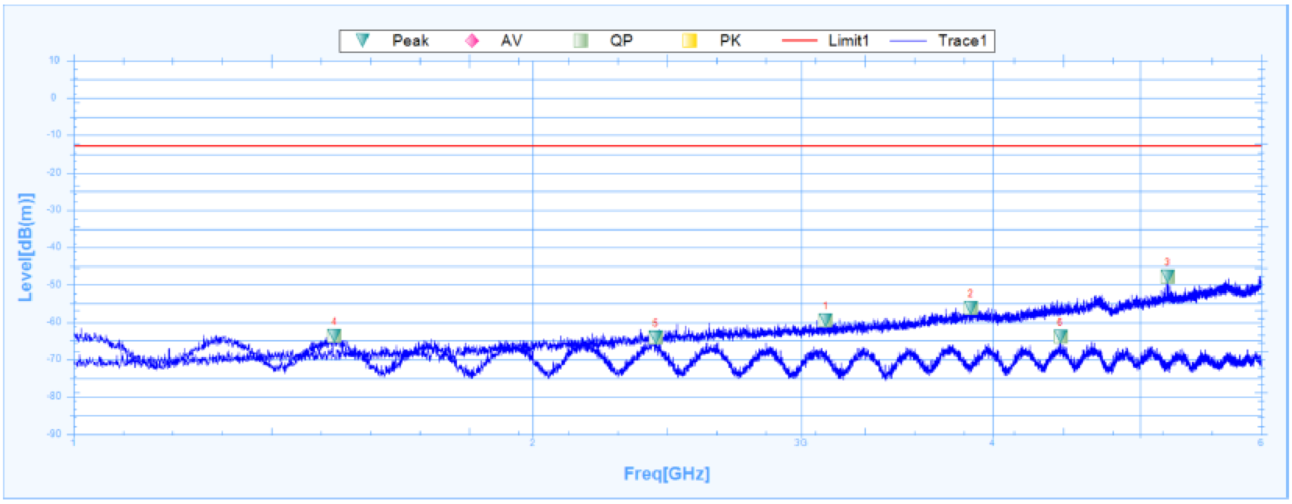
Vertical：



Susputed Data List

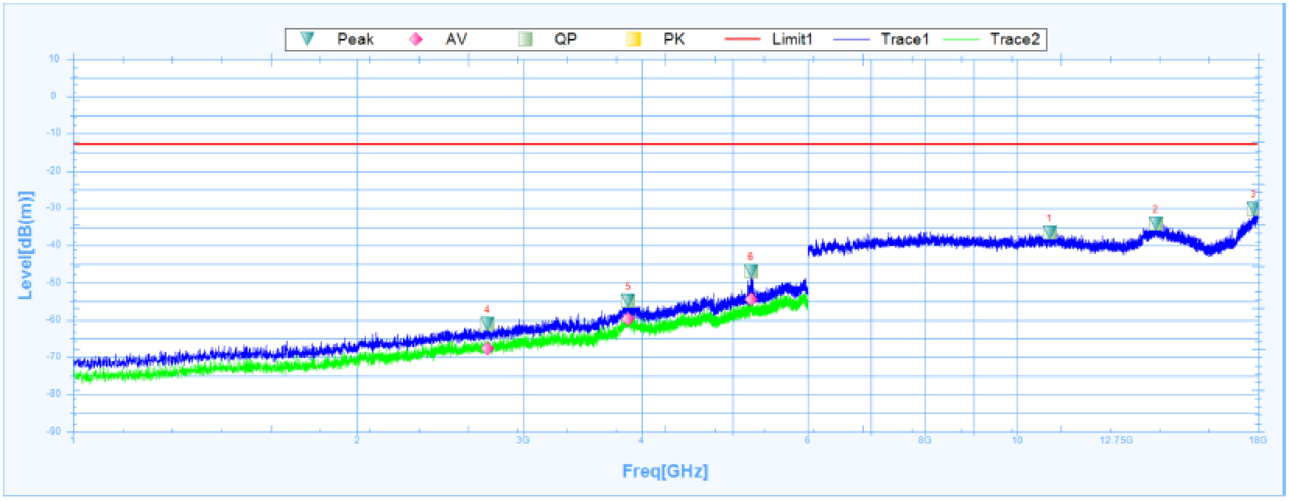
NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2631.8750	-60.88	27.76	-88.64	-13	-47.88	0	Vertical	PK	Pass
1	2631.8750		27.76		54		0	Vertical	AV	Pass
2	3881.2500	-56.93	29.42	-86.35	-13	-43.93	0	Vertical	PK	Pass
2	3881.2500		29.42		54		0	Vertical	AV	Pass
3	5205.0000	-46.65	31.76	-78.41	-13	-33.65	94.2	Vertical	PK	Pass
3	5205.0000		31.76		54		94.2	Vertical	AV	Pass
4	11004.0000	-36.31	15.63	-51.94	-13	-23.31	357.5	Vertical	PK	Pass
4	11004.0000		15.63		54		357.5	Vertical	AV	Pass
5	14343.0000	-33.71	18.77	-52.48	-13	-20.71	302.9	Vertical	PK	Pass
5	14343.0000		18.77		54		302.9	Vertical	AV	Pass
6	17947.5000	-30.23	23.56	-53.79	-13	-17.23	96.1	Vertical	PK	Pass
6	17947.5000		23.56		54		96.1	Vertical	AV	Pass

n71:
Horizontal：



Susputed Data List										
NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1483.1250	-63.63	-0.03	-63.6	-13	-50.63	359	Horizontal	PK	Pass
1	1483.1250		-0.03		54		359	Horizontal	AV	Pass
2	2407.5000	-64.05	5.3	-69.35	-13	-51.05	318.8	Horizontal	PK	Pass
2	2407.5000		5.3		54		318.8	Horizontal	AV	Pass
3	3111.2500	-59.45	8.61	-68.06	-13	-46.45	287.4	Horizontal	PK	Pass
3	3111.2500		8.61		54		287.4	Horizontal	AV	Pass
4	3872.5000	-56.17	12.79	-68.96	-13	-43.17	293.4	Horizontal	PK	Pass
4	3872.5000		12.79		54		293.4	Horizontal	AV	Pass
5	4431.2500	-63.87	14	-77.87	-13	-50.87	138.2	Horizontal	PK	Pass
5	4431.2500		14		54		138.2	Horizontal	AV	Pass
6	5213.1250	-47.86	18.09	-65.95	-13	-34.86	103.4	Horizontal	PK	Pass
6	5213.1250		18.09		54		103.4	Horizontal	AV	Pass

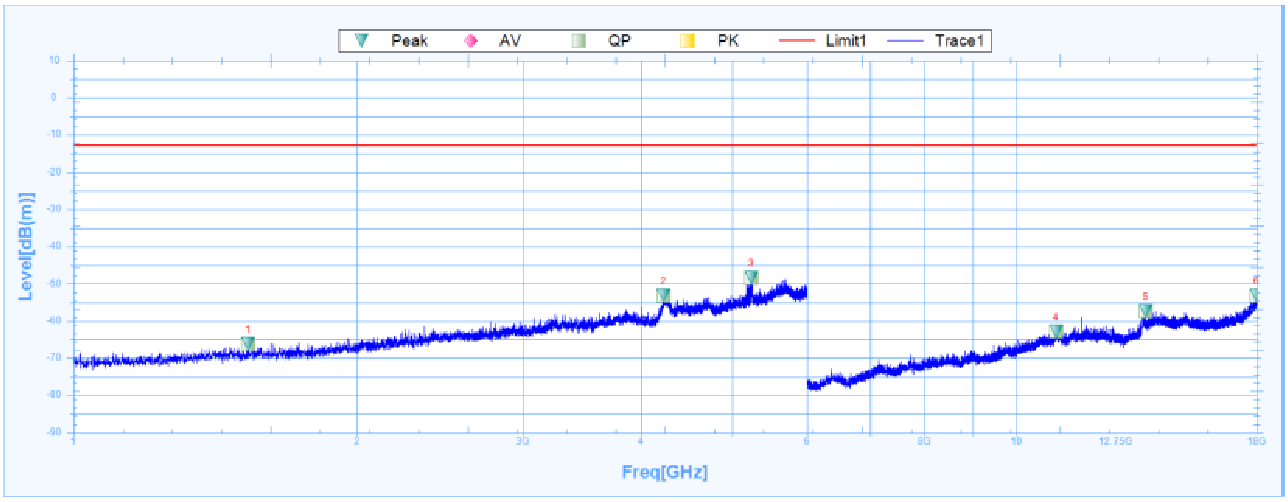
Vertical：



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2748.1250	-61.09	6.88	-67.97	-13	-48.09	38.8	Horizontal	PK	Pass
1	2748.1250	-67.58	6.88	-74.46	54	-121.58	38.8	Horizontal	AV	Pass
2	3874.3750	-54.86	12.78	-67.64	-13	-41.86	73.4	Horizontal	PK	Pass
2	3874.3750	-59.74	12.78	-72.52	54	-113.74	73.4	Horizontal	AV	Pass
3	5226.2500	-46.99	18.21	-65.2	-13	-33.99	360.1	Horizontal	PK	Pass
3	5226.2500	-54.49	18.21	-72.7	54	-108.49	360.1	Horizontal	AV	Pass
4	10821.0000	-36.52	39.25	-75.77	-13	-23.52	69	Vertical	PK	Pass
4	10821.0000		39.25		54		69	Vertical	AV	Pass
5	14031.0000	-34.1	41.46	-75.56	-13	-21.1	58.2	Vertical	PK	Pass
5	14031.0000		41.46		54		58.2	Vertical	AV	Pass
6	17815.5000	-30.19	45.26	-75.45	-13	-17.19	355.8	Vertical	PK	Pass
6	17815.5000		45.26		54		355.8	Vertical	AV	Pass

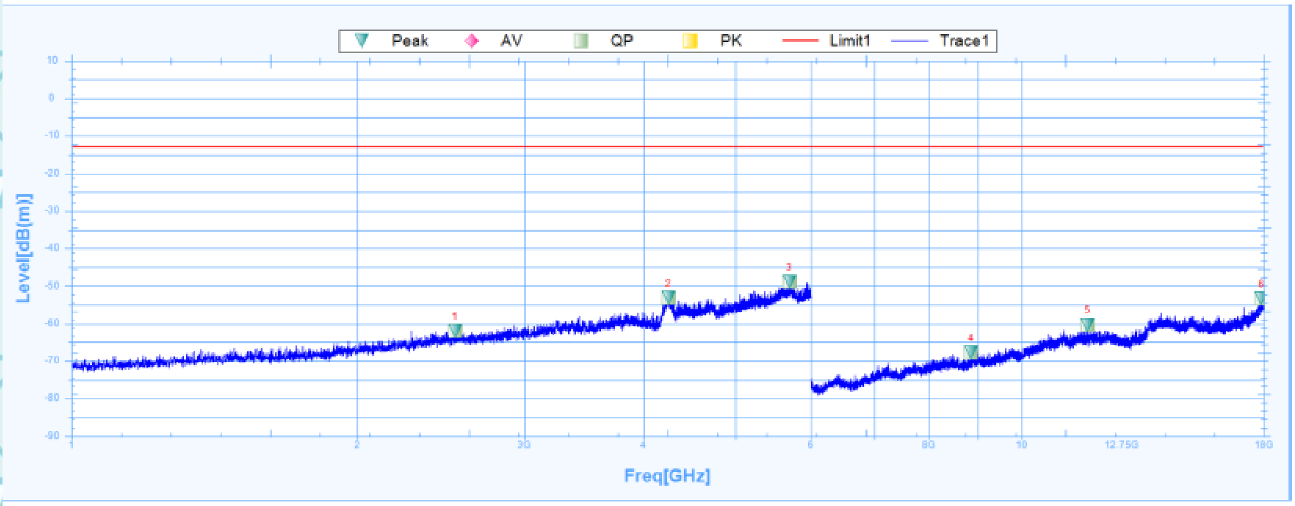
n77(3450-3550Mhz):
Horizontal：



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1532.5000	-66.04	24.97	-91.01	-13	-53.04	65	Horizontal	PK	Pass
1	1532.5000		24.97		54		65	Horizontal	AV	Pass
2	4230.0000	-53.11	30.11	-83.22	-13	-40.11	306.6	Horizontal	PK	Pass
2	4230.0000		30.11		54		306.6	Horizontal	AV	Pass
3	5238.1250	-48.35	31.79	-80.14	-13	-35.35	281.4	Horizontal	PK	Pass
3	5238.1250		31.79		54		281.4	Horizontal	AV	Pass
4	11017.5000	-62.76	15.67	-78.43	-13	-49.76	-0.1	Horizontal	PK	Pass
4	11017.5000		15.67		54		-0.1	Horizontal	AV	Pass
5	13723.5000	-57.37	18.33	-75.7	-13	-44.37	359	Horizontal	PK	Pass
5	13723.5000		18.33		54		359	Horizontal	AV	Pass
6	17986.5000	-53.19	23.83	-77.02	-13	-40.19	101.3	Horizontal	PK	Pass
6	17986.5000		23.83		54		101.3	Horizontal	AV	Pass

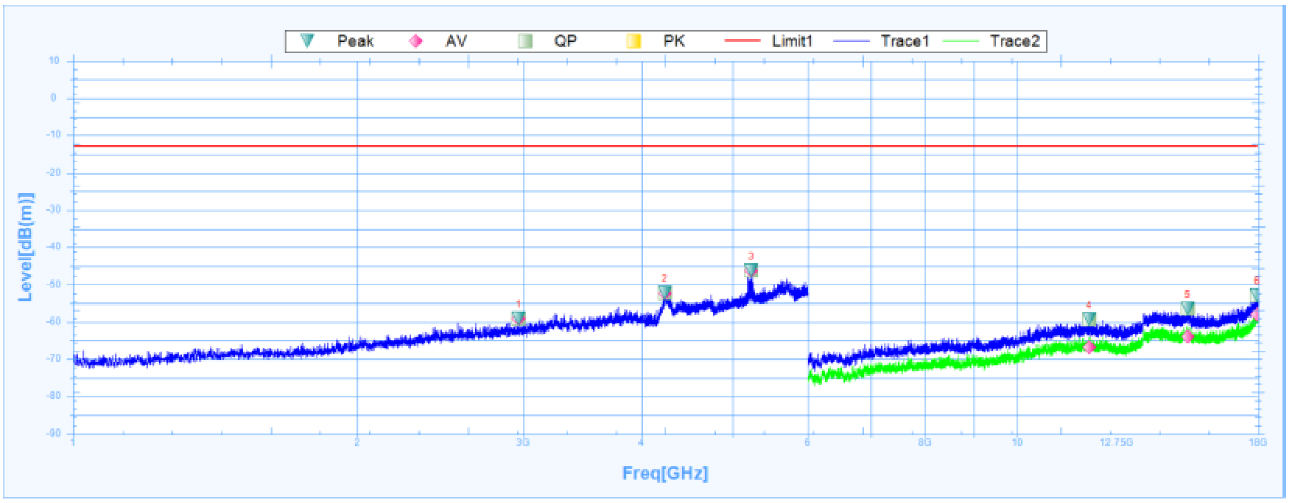
Vertical：



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2533.1250	-61.95	27.64	-89.59	-13	-48.95	0.3	Vertical	PK	Pass
1	2533.1250		27.64		54		0.3	Vertical	AV	Pass
2	4252.5000	-53.02	30.15	-83.17	-13	-40.02	114.1	Vertical	PK	Pass
2	4252.5000		30.15		54		114.1	Vertical	AV	Pass
3	5699.3750	-48.82	32.32	-81.14	-13	-35.82	199	Vertical	PK	Pass
3	5699.3750		32.32		54		199	Vertical	AV	Pass
4	8853.0000	-67.78	9.63	-77.41	-13	-54.78	293.9	Vertical	PK	Pass
4	8853.0000		9.63		54		293.9	Vertical	AV	Pass
5	11745.0000	-60.28	16.11	-76.39	-13	-47.28	339	Vertical	PK	Pass
5	11745.0000		16.11		54		339	Vertical	AV	Pass
6	17898.0000	-53.37	23.25	-76.62	-13	-40.37	161.3	Vertical	PK	Pass
6	17898.0000		23.25		54		161.3	Vertical	AV	Pass

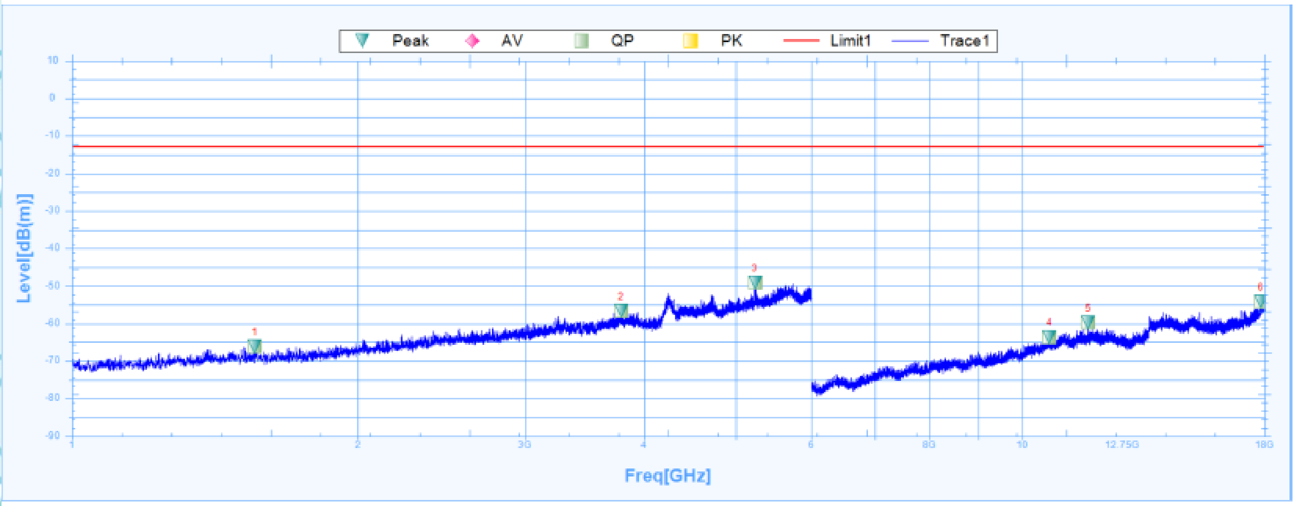
n77(3700-3980Mhz):
Horizontal：



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2965.0000	-59.13	28.16	-87.29	-13	-46.13	0.5	Horizontal	PK	Pass
1	2965.0000	-59.13	28.16	-87.29	54	-113.13	0.5	Horizontal	AV	Pass
2	4237.5000	-52.14	30.13	-82.27	-13	-39.14	25.7	Horizontal	PK	Pass
2	4237.5000	-52.14	30.13	-82.27	54	-106.14	25.7	Horizontal	AV	Pass
3	5234.3750	-46.25	31.79	-78.04	-13	-33.25	281.4	Horizontal	PK	Pass
3	5234.3750	-46.25	31.79	-78.04	54	-100.25	281.4	Horizontal	AV	Pass
4	11929.5000	-59.19	16.61	-75.8	-13	-46.19	112	Horizontal	PK	Pass
4	11929.5000	-66.83	16.61	-83.44	54	-120.83	112	Horizontal	AV	Pass
5	15166.5000	-56.41	19.4	-75.81	-13	-43.41	268.6	Horizontal	PK	Pass
5	15166.5000	-63.82	19.4	-83.22	54	-117.82	268.6	Horizontal	AV	Pass
6	17965.5000	-52.93	23.68	-76.61	-13	-39.93	48.6	Horizontal	PK	Pass
6	17965.5000	-57.87	23.68	-81.55	54	-111.87	48.6	Horizontal	AV	Pass

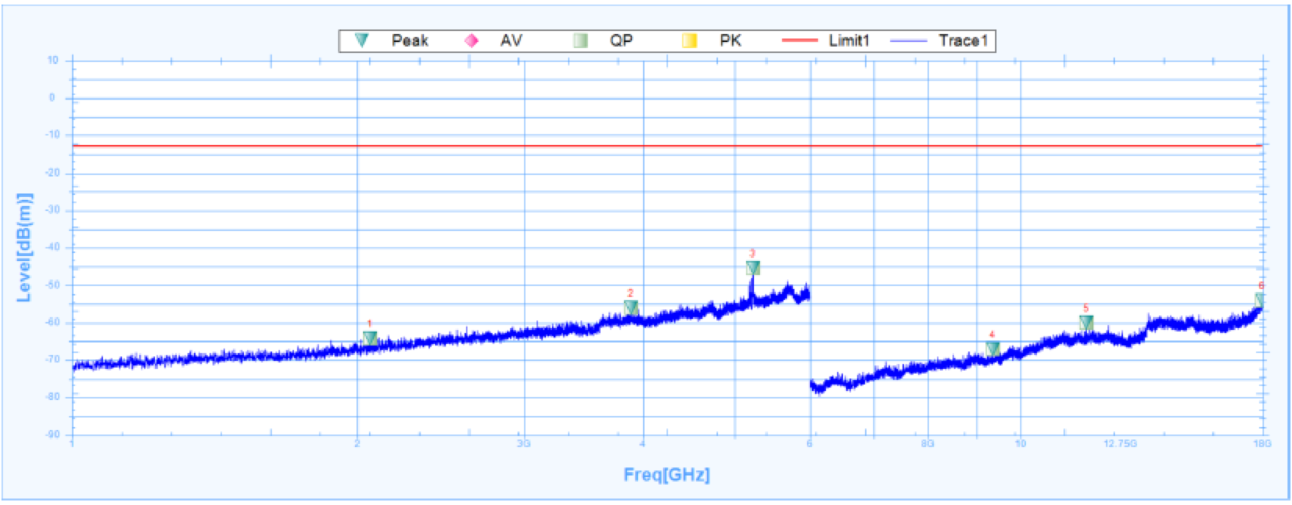
Vertical：



Susputed Data List

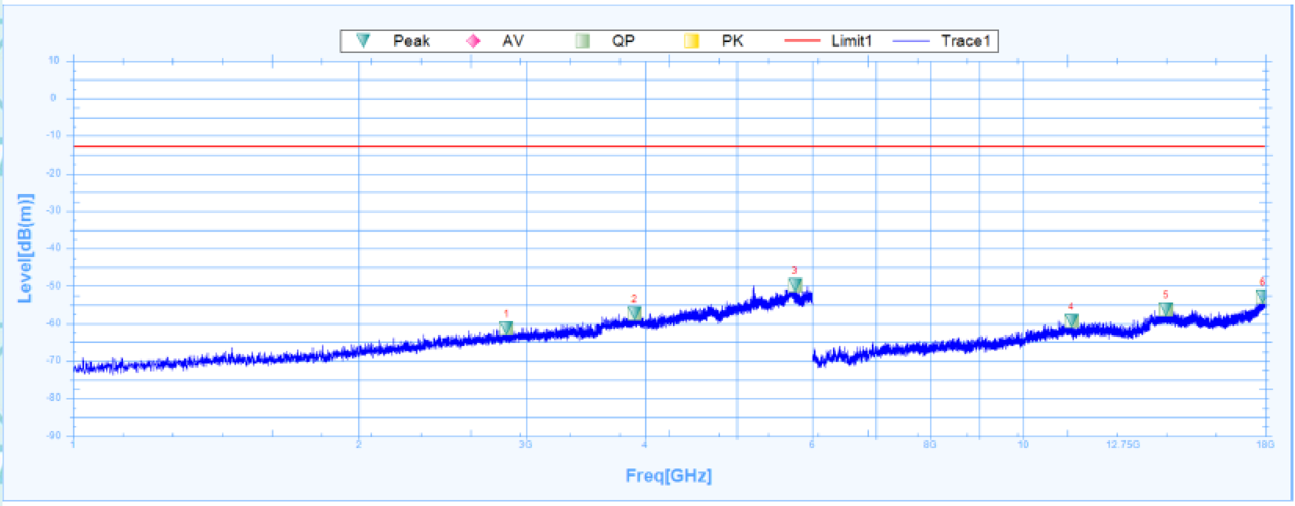
NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1558.1250	-66.22	24.94	-91.16	-13	-53.22	195.7	Vertical	PK	Pass
1	1558.1250		24.94		54		195.7	Vertical	AV	Pass
2	3783.7500	-56.56	29.18	-85.74	-13	-43.56	-0.1	Vertical	PK	Pass
2	3783.7500		29.18		54		-0.1	Vertical	AV	Pass
3	5235.0000	-49.1	31.79	-80.89	-13	-36.1	245.9	Vertical	PK	Pass
3	5235.0000		31.79		54		245.9	Vertical	AV	Pass
4	10689.0000	-63.6	14.58	-78.18	-13	-50.6	326.8	Vertical	PK	Pass
4	10689.0000		14.58		54		326.8	Vertical	AV	Pass
5	11743.5000	-59.7	16.11	-75.81	-13	-46.7	360	Vertical	PK	Pass
5	11743.5000		16.11		54		360	Vertical	AV	Pass
6	17841.0000	-54.16	22.88	-77.04	-13	-41.16	130.7	Vertical	PK	Pass
6	17841.0000		22.88		54		130.7	Vertical	AV	Pass

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	2061.2500	-64.17	26.11	-90.28	-13	-51.17	61.4	Horizontal	PK	Pass
1	2061.2500		26.11		54		61.4	Horizontal	AV	Pass
2	3885.0000	-56	29.42	-85.42	-13	-43	264.6	Horizontal	PK	Pass
2	3885.0000		29.42		54		264.6	Horizontal	AV	Pass
3	5226.8750	-45.44	31.78	-77.22	-13	-32.44	190.6	Horizontal	PK	Pass
3	5226.8750		31.78		54		190.6	Horizontal	AV	Pass
4	9351.0000	-67.05	10.61	-77.66	-13	-54.05	9.8	Horizontal	PK	Pass
4	9351.0000		10.61		54		9.8	Horizontal	AV	Pass
5	11745.0000	-59.87	16.11	-75.98	-13	-46.87	-0.1	Horizontal	PK	Pass
5	11745.0000		16.11		54		-0.1	Horizontal	AV	Pass
6	17977.5000	-54.02	23.77	-77.79	-13	-41.02	359.6	Horizontal	PK	Pass
6	17977.5000		23.77		54		359.6	Horizontal	AV	Pass

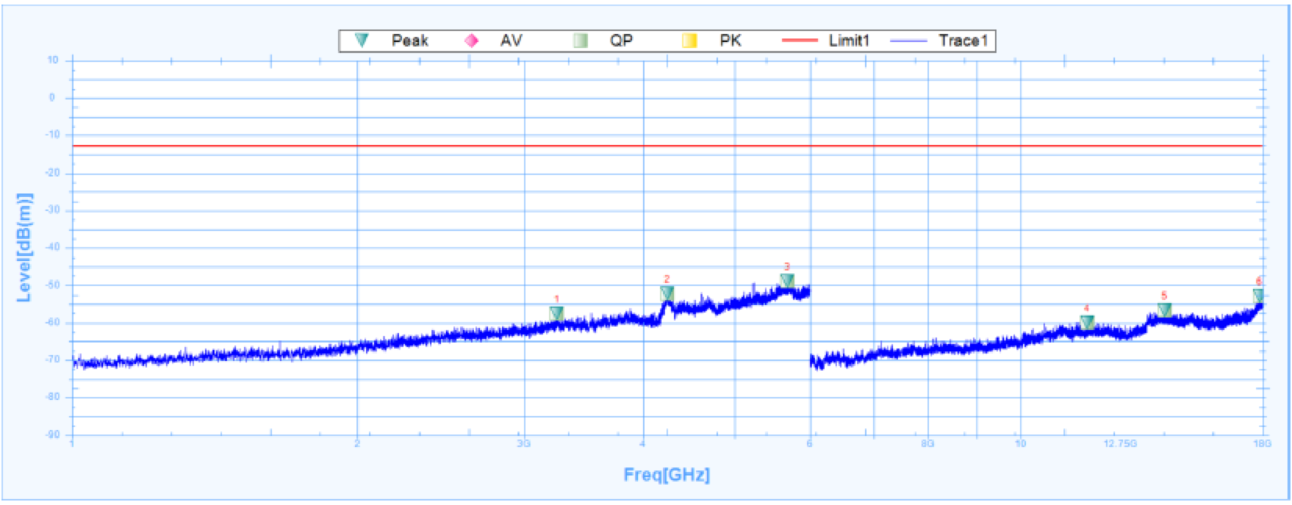
Vertical：



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	2860.0000	-61.23	28.03	-89.26	-13	-48.23	0	Vertical	PK	Pass
1	2860.0000		28.03		54		0	Vertical	AV	Pass
2	3901.8750	-57.27	29.46	-86.73	-13	-44.27	0	Vertical	PK	Pass
2	3901.8750		29.46		54		0	Vertical	AV	Pass
3	5753.7500	-49.8	32.41	-82.21	-13	-36.8	260.3	Vertical	PK	Pass
3	5753.7500		32.41		54		260.3	Vertical	AV	Pass
4	11242.5000	-59.22	15.68	-74.9	-13	-46.22	3.1	Vertical	PK	Pass
4	11242.5000		15.68		54		3.1	Vertical	AV	Pass
5	14152.5000	-56.11	18.97	-75.08	-13	-43.11	129.5	Vertical	PK	Pass
5	14152.5000		18.97		54		129.5	Vertical	AV	Pass
6	17892.0000	-52.81	23.21	-76.02	-13	-39.81	348.1	Vertical	PK	Pass
6	17892.0000		23.21		54		348.1	Vertical	AV	Pass

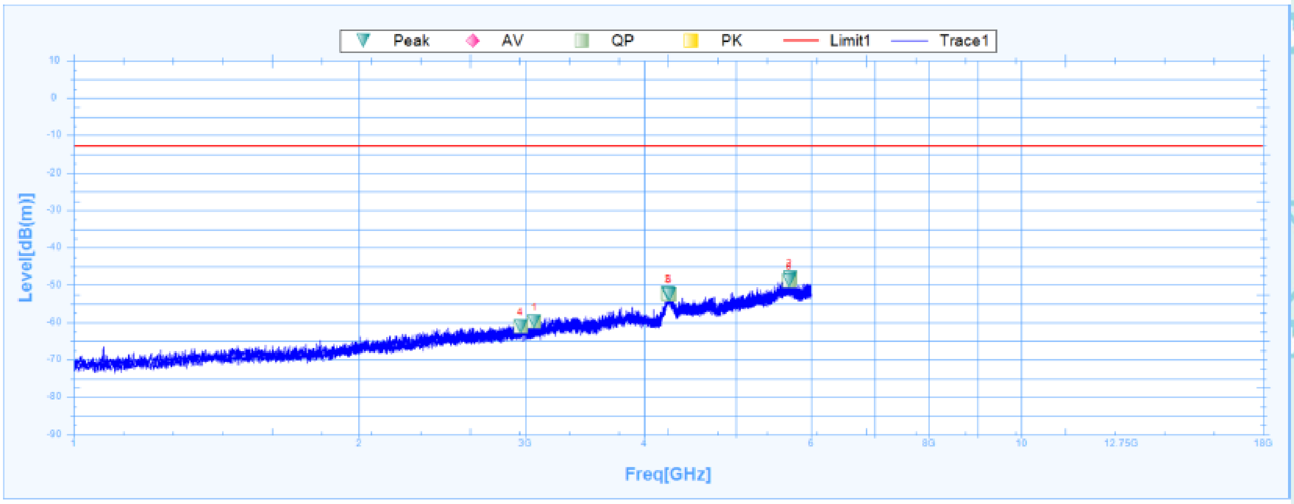
n78(3700-3800Mhz):
Horizontal：



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	3245.6250	-57.43	28.35	-85.78	-13	-44.43	205.3	Horizontal	PK	Pass
1	3245.6250		28.35		54		205.3	Horizontal	AV	Pass
2	4244.3750	-52.3	30.14	-82.44	-13	-39.3	122.8	Horizontal	PK	Pass
2	4244.3750		30.14		54		122.8	Horizontal	AV	Pass
3	5682.5000	-48.99	32.29	-81.28	-13	-35.99	94.2	Horizontal	PK	Pass
3	5682.5000		32.29		54		94.2	Horizontal	AV	Pass
4	11763.0000	-59.93	16.1	-76.03	-13	-46.93	355.8	Horizontal	PK	Pass
4	11763.0000		16.1		54		355.8	Horizontal	AV	Pass
5	14194.5000	-56.6	18.93	-75.53	-13	-43.6	208.3	Horizontal	PK	Pass
5	14194.5000		18.93		54		208.3	Horizontal	AV	Pass
6	17877.0000	-52.84	23.12	-75.96	-13	-39.84	359.9	Horizontal	PK	Pass
6	17877.0000		23.12		54		359.9	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	2961.8750	-61.13	8.13	-69.26	-13	-48.13	359.5	Vertical	PK	Pass
1	2961.8750		8.13		54		359.5	Vertical	AV	Pass
2	3063.7500	-59.7	8.5	-68.2	-13	-46.7	351.4	Vertical	PK	Pass
2	3063.7500		8.5		54		351.4	Vertical	AV	Pass
3	4238.7500	-52.25	17.39	-69.64	-13	-39.25	-0.1	Vertical	PK	Pass
3	4238.7500		17.39		54		-0.1	Vertical	AV	Pass
4	4249.3750	-52.46	17.54	-70	-13	-39.46	134.7	Vertical	PK	Pass
4	4249.3750		17.54		54		134.7	Vertical	AV	Pass
5	5688.1250	-48.98	21.65	-70.63	-13	-35.98	248.3	Vertical	PK	Pass
5	5688.1250		21.65		54		248.3	Vertical	AV	Pass
6	5695.6250	-48.11	21.67	-69.78	-13	-35.11	322.4	Vertical	PK	Pass
6	5695.6250		21.67		54		322.4	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. [¡ì2.1049(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.

a) 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.

b) 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.

c) 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.

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

e) 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).

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

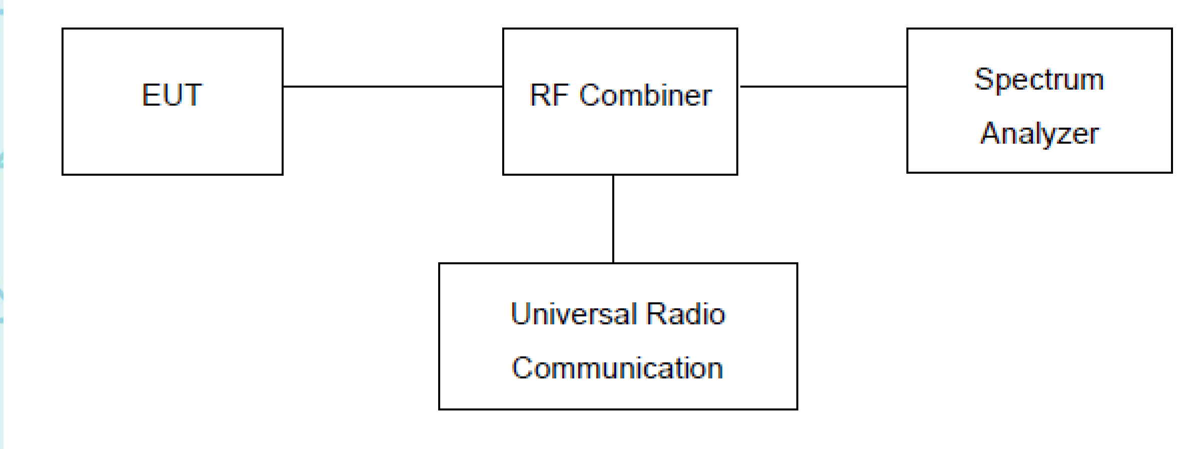
g) Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference value).

h) 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.

i) Place two markers, one at the lowest and the other at the highest frequency of the

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	240.38KHz	298.08KHz
836.6	241.99KHz	296.47KHz
848.8	241.99KHz	298.08KHz

PCS1900:

Frequency	OBW(99%)	26dB BW
1850.2	240.38KHz	299.68KHz
1880	241.99KHz	291.69KHz
1909.8	243.59KHz	306.09KHz

GPRS850:

Frequency	OBW(99%)	26dB BW
824.2	240.38KHz	307.69KHz
836.6	241.99KHz	299.68KHz
848.8	240.38KHz	306.09KHz

GPRS 1900:

Frequency	OBW(99%)	26dB BW
1850.2	243.59KHz	310.90KHz
1880	243.59KHz	315.71KHz
1909.8	245.19KHz	309.29KHz

EGPRS 850:

Frequency	OBW(99%)	26dB BW
824.2	238.78KHz	299.68KHz
836.6	238.78KHz	306.09KHz
848.8	240.38KHz	300.13KHz

EGPRS 1900:

Frequency	OBW(99%)	26dB BW
1850.2	238.78KHz	306.09KHz
1880	238.78KHz	304.49KHz
1909.8	240.38KHz	301.28KHz

UTRA BANDS

Band 2:

Frequency	OBW(99%)	26dB BW
1852.4	4.167MHz	4.663MHz
1880	4.167MHz	4.679MHz
1907.6	4.151MHz	4.679MHz

Band 4:

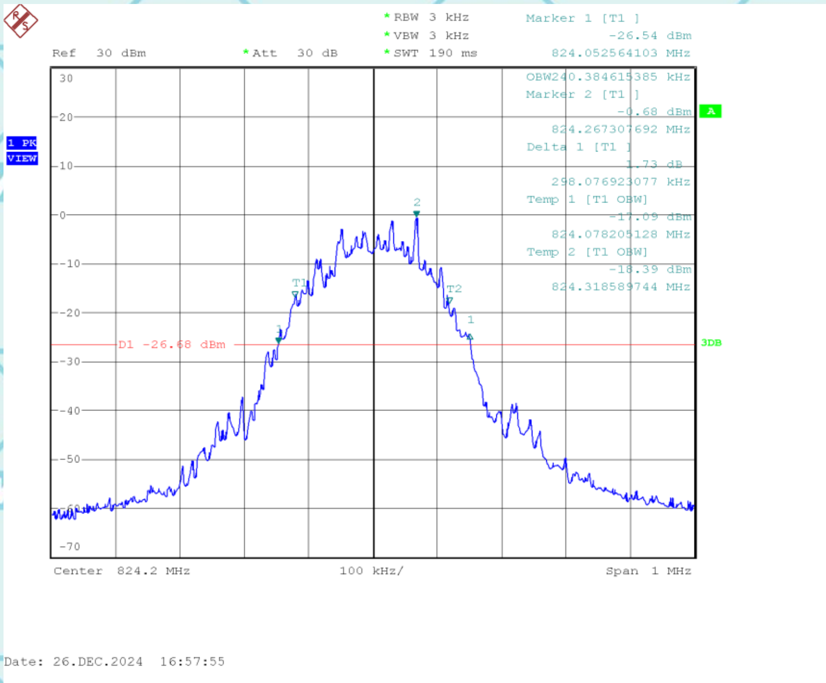
Frequency	OBW(99%)	26dB BW
1712.4	4.183MHz	4.712MHz
1732.6	4.167MHz	4.696MHz
1752.6	4.183MHz	4.712MHz

Band 5:

Frequency	OBW(99%)	26dB BW
826.4	4.167MHz	4.679MHz
836.4	4.167MHz	4.684MHz
846.6	4.167MHz	4.675MHz

Test Plot(s)

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



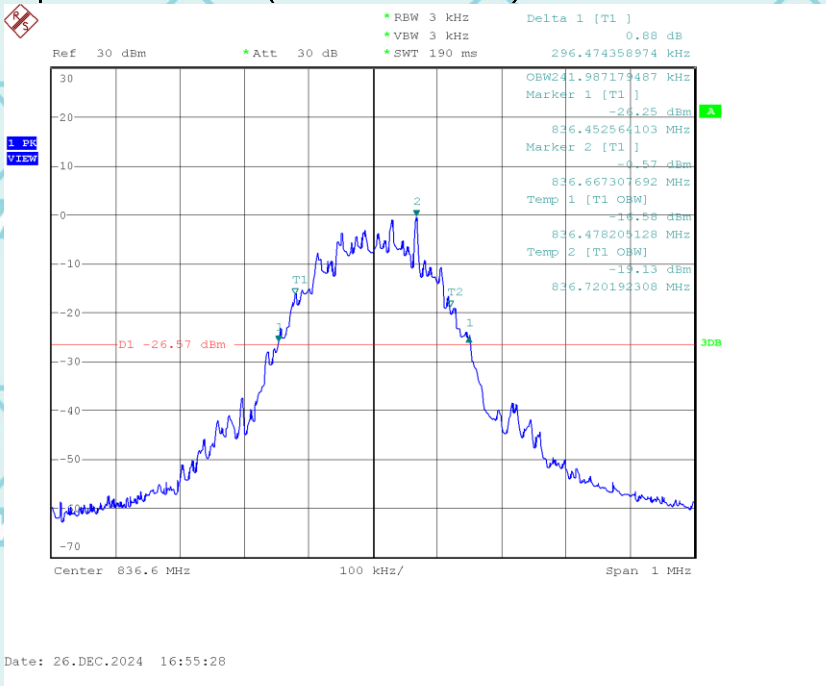
*RBW 3 kHz
*VBW 3 kHz
Ref 30 dBm *Att 30 dB *SWT 190 ms

Marker 1 [T1]
-26.54 dBm
824.052564103 MHz
OBW240.384615385 kHz
Marker 2 [T1]
-0.68 dBm
824.267307692 MHz
Delta 1 [T1]
1.73 dB
298.076923077 kHz
Temp 1 [T1 OBW]
-17.09 dBm
824.078205128 MHz
Temp 2 [T1 OBW]
-18.39 dBm
824.318589744 MHz

Center 824.2 MHz 100 kHz/ Span 1 MHz

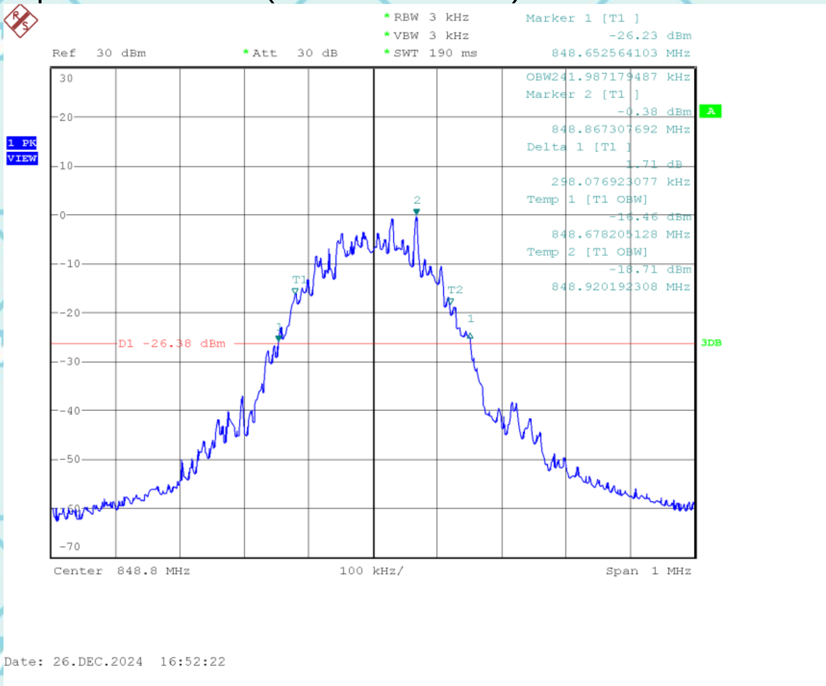
Date: 26.DEC.2024 16:57:55

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



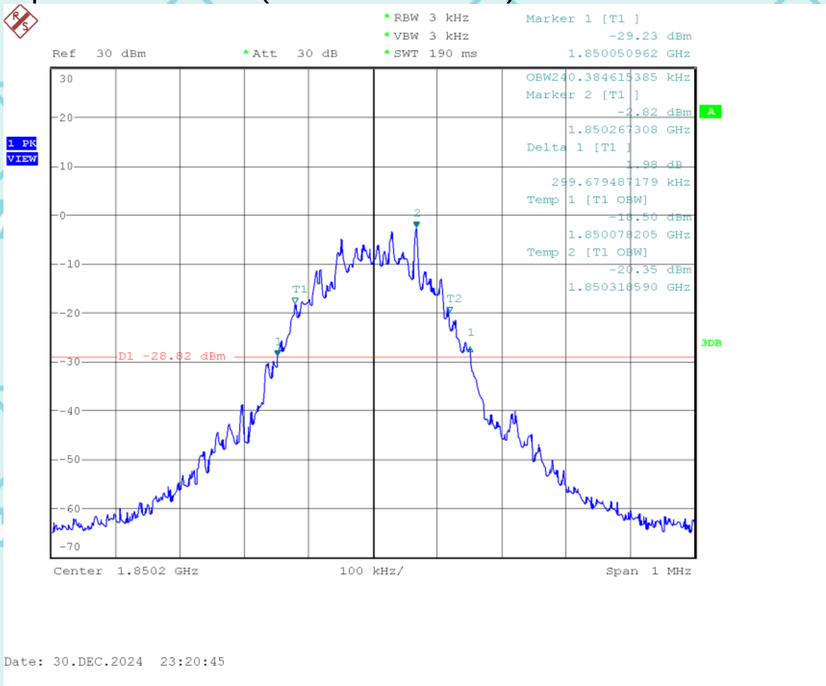
```
*RBW 3 kHz        Delta 1 [T1 ]
*VBW 3 kHz                 0.88 dB
Ref 30 dBm    *Att 30 dB    *SWT 190 ms    296.474358974 kHz
OBW241.987179487 kHz
Marker 1 [T1 ]
      -26.25 dBm
  836.452564103 MHz
Marker 2 [T1 ]
      -0.57 dBm
  836.667307692 MHz
Temp 1 [T1 OBW]
      -16.58 dBm
  836.478205128 MHz
Temp 2 [T1 OBW]
      -19.13 dBm
  836.720192308 MHz
Center 836.6 MHz    100 kHz/    Span 1 MHz
Date: 26.DEC.2024  16:55:28
```

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



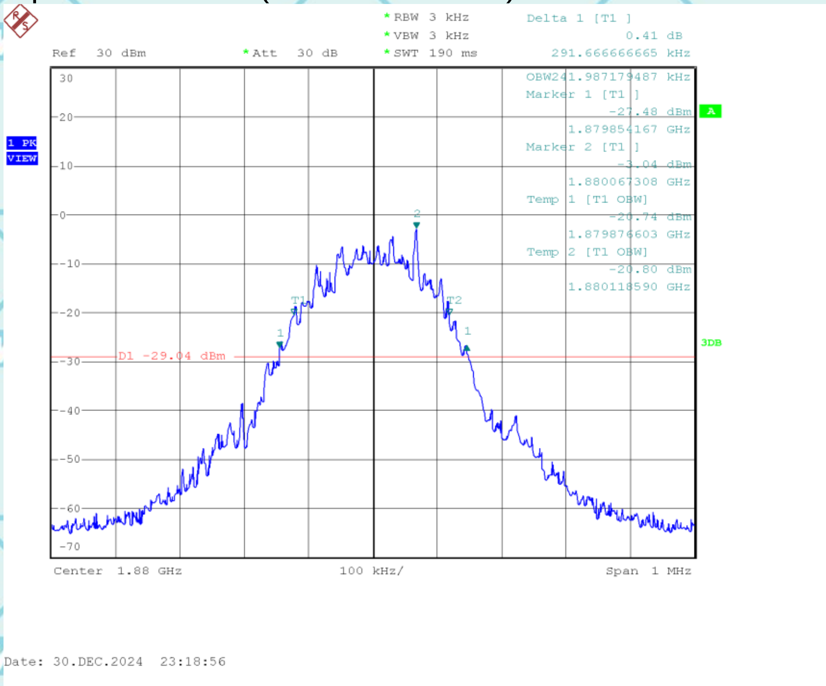
```
*RBW 3 kHz        Marker 1 [T1 ]
*VBW 3 kHz              -26.23 dBm
Ref 30 dBm    *Att 30 dB    *SWT 190 ms    848.652564103 MHz
OBW241.987179487 kHz
Marker 2 [T1 ]
      -0.38 dBm
  848.867307692 MHz
Delta 1 [T1 ]
      1.71 dB
  298.076923077 kHz
Temp 1 [T1 OBW]
      -16.46 dBm
  848.678205128 MHz
Temp 2 [T1 OBW]
      -18.71 dBm
  848.920192308 MHz
Center 848.8 MHz    100 kHz/    Span 1 MHz
Date: 26.DEC.2024  16:52:22
```

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



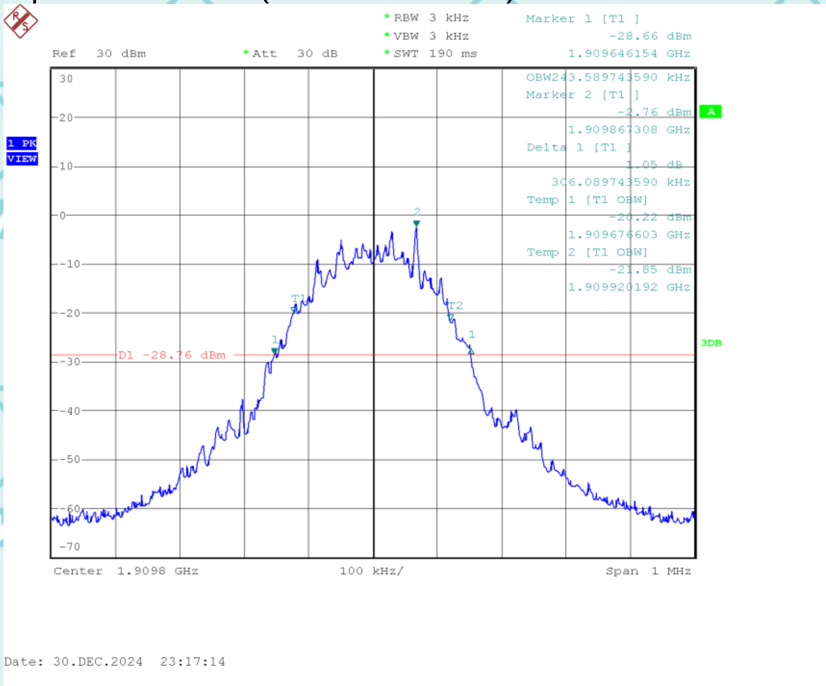
```
                              *RBW 3 kHz     Marker 1 [T1 ]
                              *VBW 3 kHz           -29.23 dBm
Ref  30 dBm      *Att  30 dB  *SWT 190 ms     1.850050962 GHz
                                             OBW240.384615385 kHz
                                             Marker 2 [T1 ]
                                                    -2.82 dBm
                                              1.850267308 GHz
                                             Delta 1 [T1 ]
                                                    1.98 dB
                                            299.679487179 kHz
                                             Temp 1 [T1 OBW]
                                                   -18.50 dBm
                                              1.850078205 GHz
                                             Temp 2 [T1 OBW]
                                                   -20.35 dBm
                                              1.850318590 GHz
Center  1.8502 GHz          100 kHz/              Span  1 MHz
Date: 30.DEC.2024  23:20:45
```

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



```
                              *RBW 3 kHz     Delta 1 [T1 ]
                              *VBW 3 kHz             0.41 dB
Ref  30 dBm      *Att  30 dB  *SWT 190 ms   291.666666665 kHz
                                             OBW241.987179487 kHz
                                             Marker 1 [T1 ]
                                                   -27.48 dBm
                                              1.879854167 GHz
                                             Marker 2 [T1 ]
                                                    -3.04 dBm
                                              1.880067308 GHz
                                             Temp 1 [T1 OBW]
                                                   -20.74 dBm
                                              1.879876603 GHz
                                             Temp 2 [T1 OBW]
                                                   -20.80 dBm
                                              1.880118590 GHz
Center  1.88 GHz            100 kHz/              Span  1 MHz
Date: 30.DEC.2024  23:18:56
```

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



*RBW 3 kHz
*VBW 3 kHz
*SWT 190 ms
Ref 30 dBm
*Att 30 dB

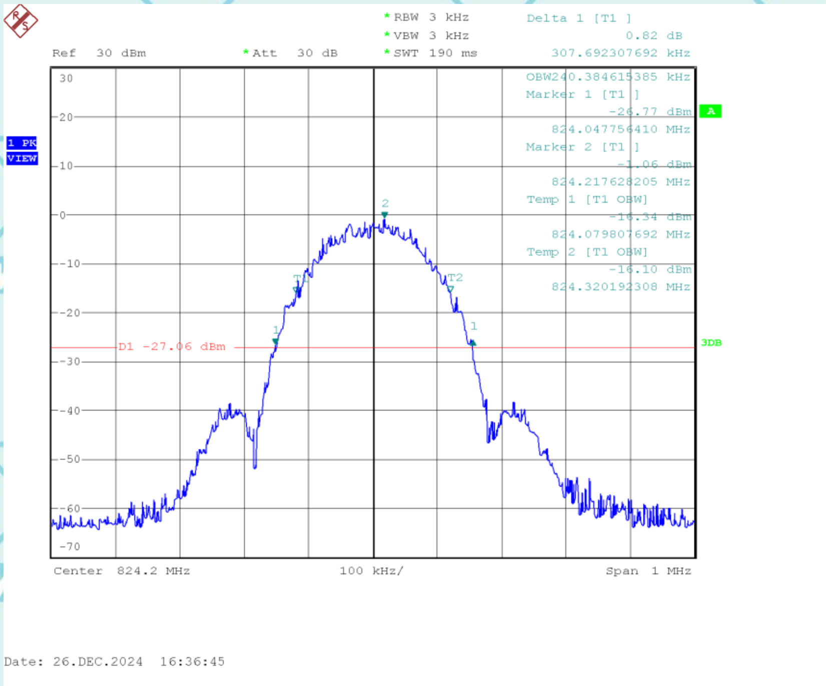
Marker 1 [T1]
-28.66 dBm
1.909646154 GHz
OBW243.589743590 kHz
Marker 2 [T1]
-2.76 dBm
1.909867308 GHz
Delta 1 [T1]
1.05 dB
306.089743590 kHz
Temp 1 [T1 OBW]
-20.22 dBm
1.909676603 GHz
Temp 2 [T1 OBW]
-21.85 dBm
1.909920192 GHz

D1 -28.76 dBm

Center 1.9098 GHz
100 kHz/
Span 1 MHz

Date: 30.DEC.2024 23:17:14

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



*RBW 3 kHz
*VBW 3 kHz
*SWT 190 ms
Ref 30 dBm
*Att 30 dB

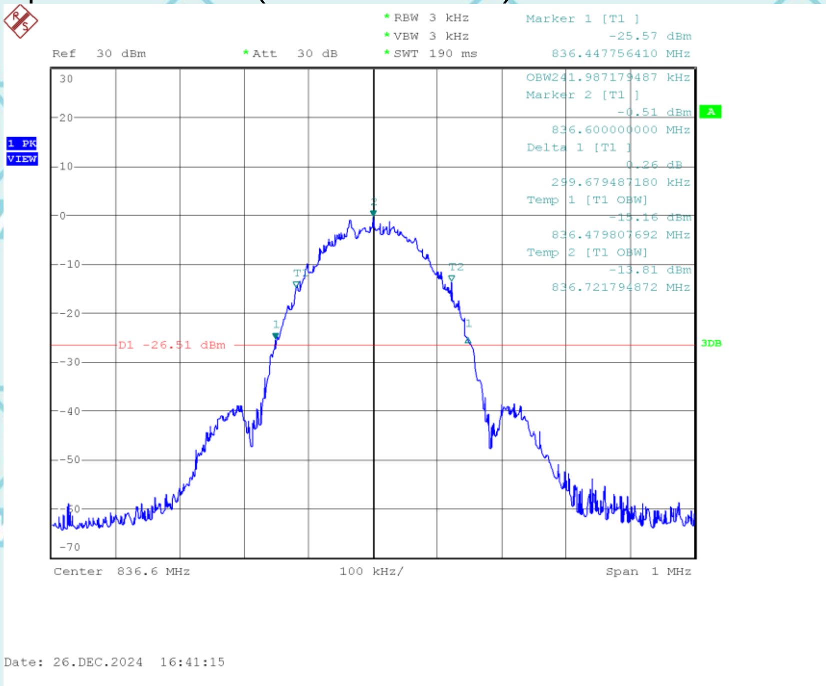
Delta 1 [T1]
0.82 dB
307.692307692 kHz
OBW240.384615385 kHz
Marker 1 [T1]
-26.77 dBm
824.047756410 MHz
Marker 2 [T1]
-1.06 dBm
824.217628205 MHz
Temp 1 [T1 OBW]
-16.34 dBm
824.079807692 MHz
Temp 2 [T1 OBW]
-16.10 dBm
824.320192308 MHz

D1 -27.06 dBm

Center 824.2 MHz
100 kHz/
Span 1 MHz

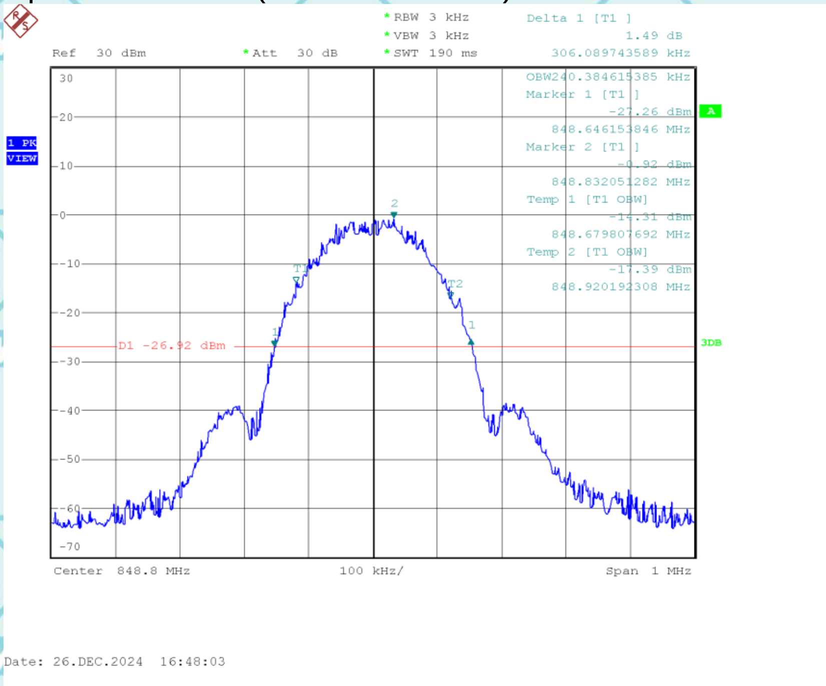
Date: 26.DEC.2024 16:36:45

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



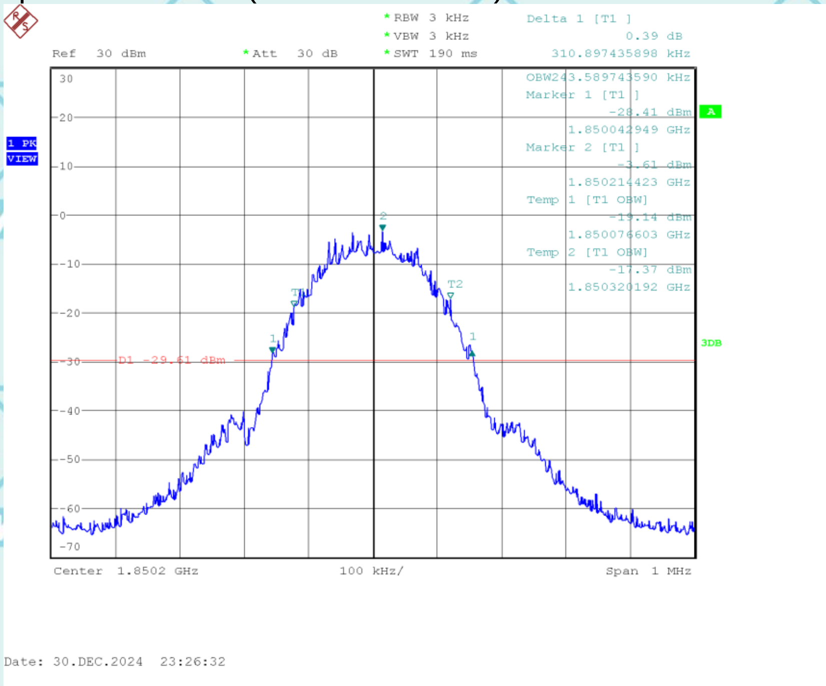
```
*RBW 3 kHz        Marker 1 [T1 ]
*VBW 3 kHz               -25.57 dBm
Ref 30 dBm     *Att 30 dB     *SWT 190 ms        836.447756410 MHz
OBW241.987179487 kHz
Marker 2 [T1 ]
        -0.51 dBm
   836.600000000 MHz
Delta 1 [T1 ]
         0.26 dB
   299.679487180 kHz
Temp 1 [T1 OBW]
       -15.16 dBm
   836.479807692 MHz
Temp 2 [T1 OBW]
       -13.81 dBm
   836.721794872 MHz
Center 836.6 MHz     100 kHz/     Span 1 MHz
Date: 26.DEC.2024  16:41:15
```

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



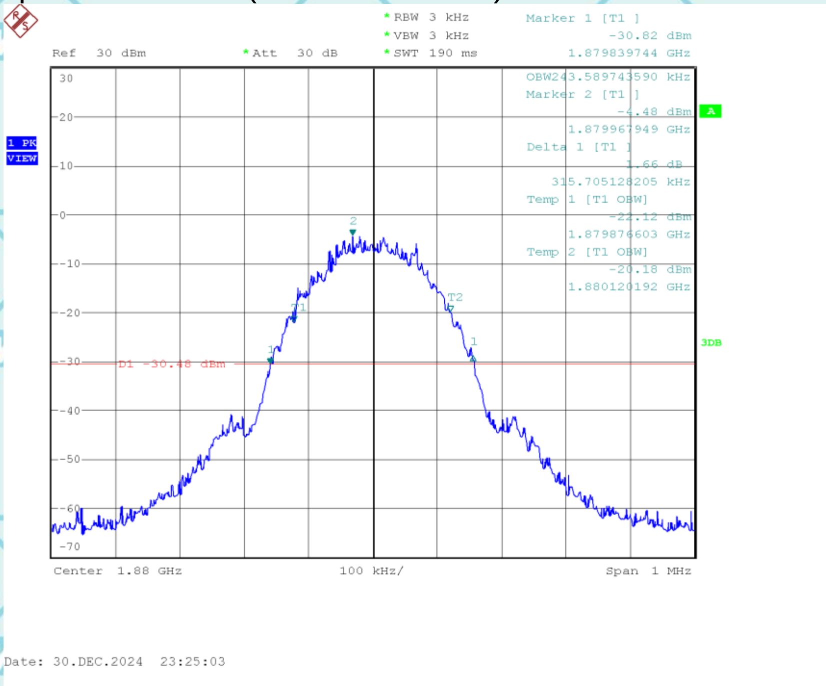
```
*RBW 3 kHz        Delta 1 [T1 ]
*VBW 3 kHz                 1.49 dB
Ref 30 dBm     *Att 30 dB     *SWT 190 ms        306.089743589 kHz
OBW240.384615385 kHz
Marker 1 [T1 ]
       -27.26 dBm
   848.646153846 MHz
Marker 2 [T1 ]
        -0.92 dBm
   848.832051282 MHz
Temp 1 [T1 OBW]
       -14.31 dBm
   848.679807692 MHz
Temp 2 [T1 OBW]
       -17.39 dBm
   848.920192308 MHz
Center 848.8 MHz     100 kHz/     Span 1 MHz
Date: 26.DEC.2024  16:48:03
```

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



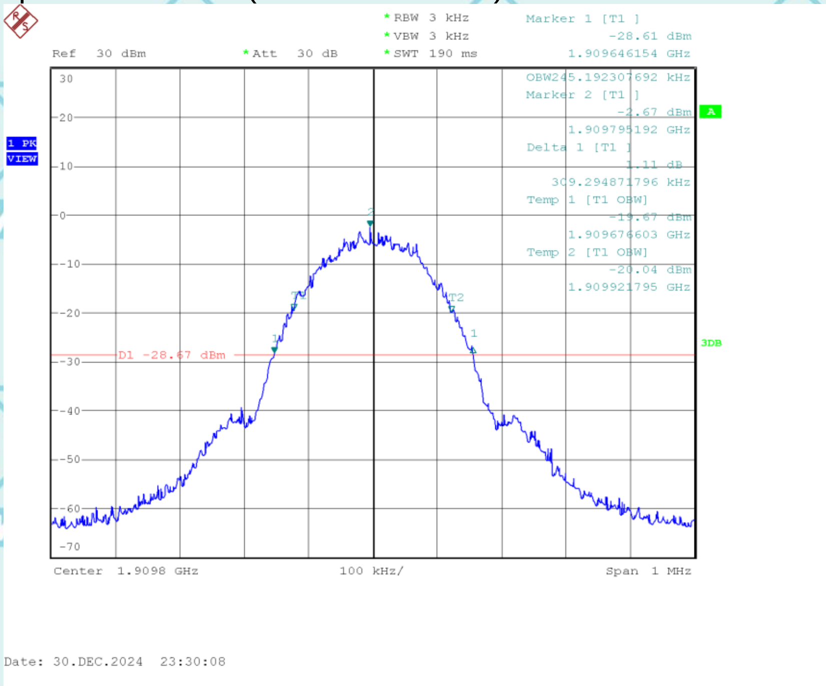
```
*RBW 3 kHz                Delta 1 [T1 ]
*VBW 3 kHz                          0.39 dB
Ref  30 dBm    *Att  30 dB   *SWT 190 ms        310.897435898 kHz
OBW243.589743590 kHz
Marker 1 [T1 ]
         -28.41 dBm
   1.850042949 GHz
Marker 2 [T1 ]
          -3.61 dBm
   1.850214423 GHz
Temp 1 [T1 OBW]
         -19.14 dBm
   1.850076603 GHz
Temp 2 [T1 OBW]
         -17.37 dBm
   1.850320192 GHz
D1 -29.61 dBm
Center  1.8502 GHz          100 kHz/            Span  1 MHz
Date: 30.DEC.2024  23:26:32
```

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



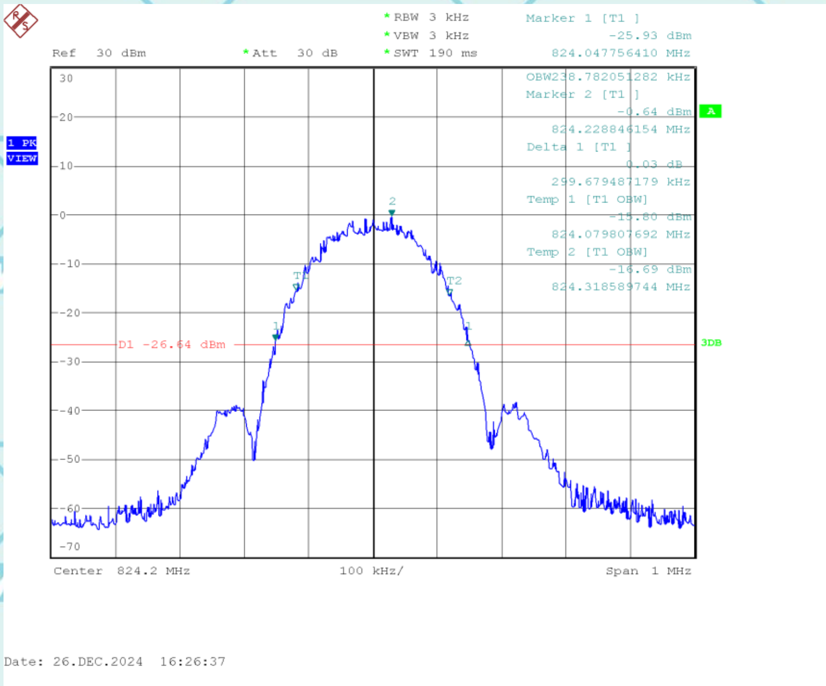
```
*RBW 3 kHz                Marker 1 [T1 ]
*VBW 3 kHz                         -30.82 dBm
Ref  30 dBm    *Att  30 dB   *SWT 190 ms          1.879839744 GHz
OBW243.589743590 kHz
Marker 2 [T1 ]
          -4.48 dBm
   1.879967949 GHz
Delta 1 [T1 ]
           1.66 dB
 315.705128205 kHz
Temp 1 [T1 OBW]
         -22.12 dBm
   1.879876603 GHz
Temp 2 [T1 OBW]
         -20.18 dBm
   1.880120192 GHz
D1 -30.48 dBm
Center  1.88 GHz            100 kHz/            Span  1 MHz
Date: 30.DEC.2024  23:25:03
```

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



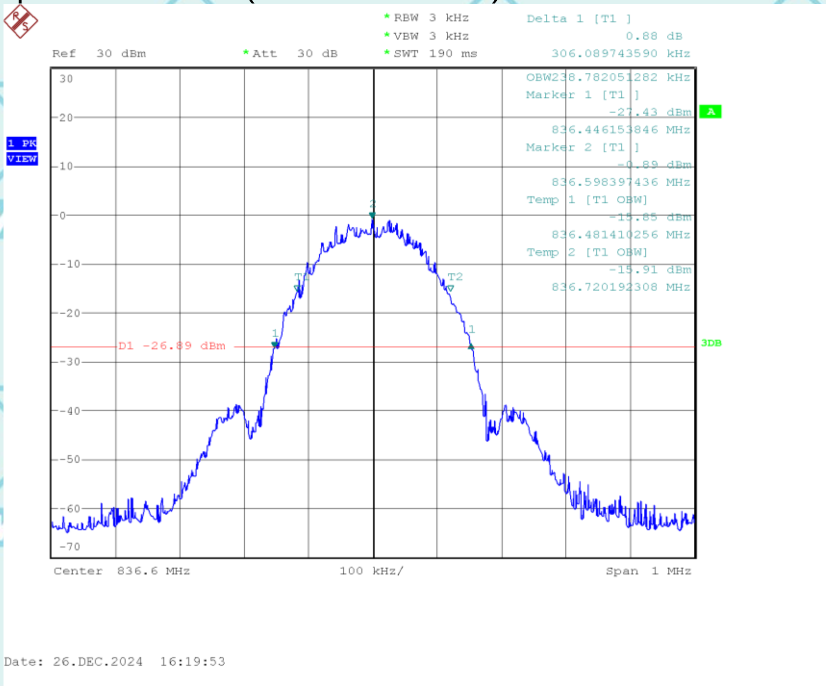
```
                                 *RBW 3 kHz      Marker 1 [T1 ]
                                 *VBW 3 kHz             -28.61 dBm
Ref  30 dBm          *Att  30 dB *SWT 190 ms       1.909646154 GHz
                                                 OBW245.192307692 kHz
                                                 Marker 2 [T1 ]
                                                         -2.67 dBm
                                                   1.909795192 GHz
                                                 Delta 1 [T1 ]
                                                          1.11 dB
                                                 309.294871796 kHz
                                                 Temp 1 [T1 OBW]
                                                        -19.67 dBm
                                                   1.909676603 GHz
                                                 Temp 2 [T1 OBW]
                                                        -20.04 dBm
                                                   1.909921795 GHz
Center  1.9098 GHz          100 kHz/                 Span  1 MHz

Date: 30.DEC.2024  23:30:08
```

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



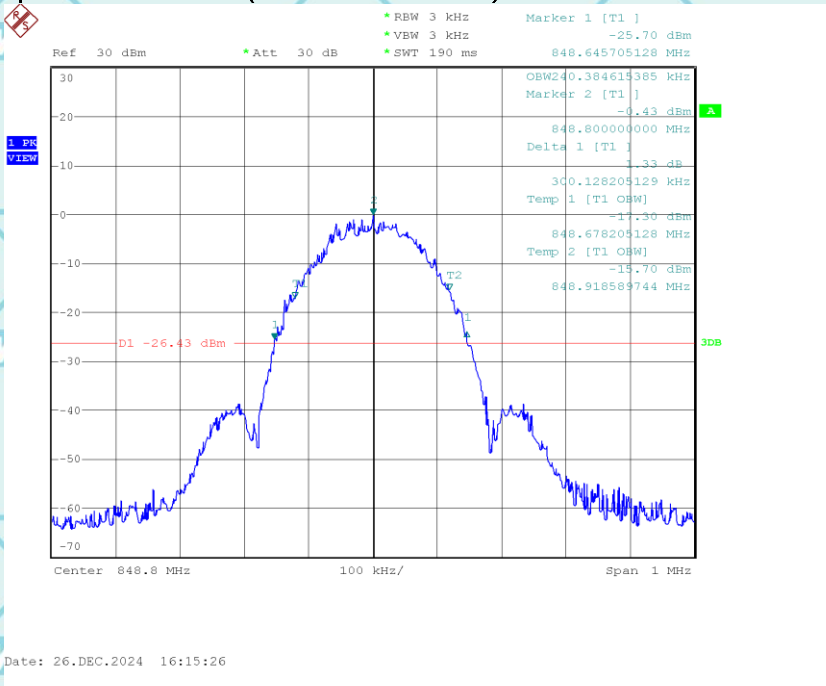
```
                                 *RBW 3 kHz      Marker 1 [T1 ]
                                 *VBW 3 kHz             -25.93 dBm
Ref  30 dBm          *Att  30 dB *SWT 190 ms     824.047756410 MHz
                                                 OBW238.782051282 kHz
                                                 Marker 2 [T1 ]
                                                         -0.64 dBm
                                                 824.228846154 MHz
                                                 Delta 1 [T1 ]
                                                          0.03 dB
                                                 299.679487179 kHz
                                                 Temp 1 [T1 OBW]
                                                        -15.80 dBm
                                                 824.079807692 MHz
                                                 Temp 2 [T1 OBW]
                                                        -16.69 dBm
                                                 824.318589744 MHz
Center  824.2 MHz           100 kHz/                 Span  1 MHz

Date: 26.DEC.2024  16:26:37
```

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



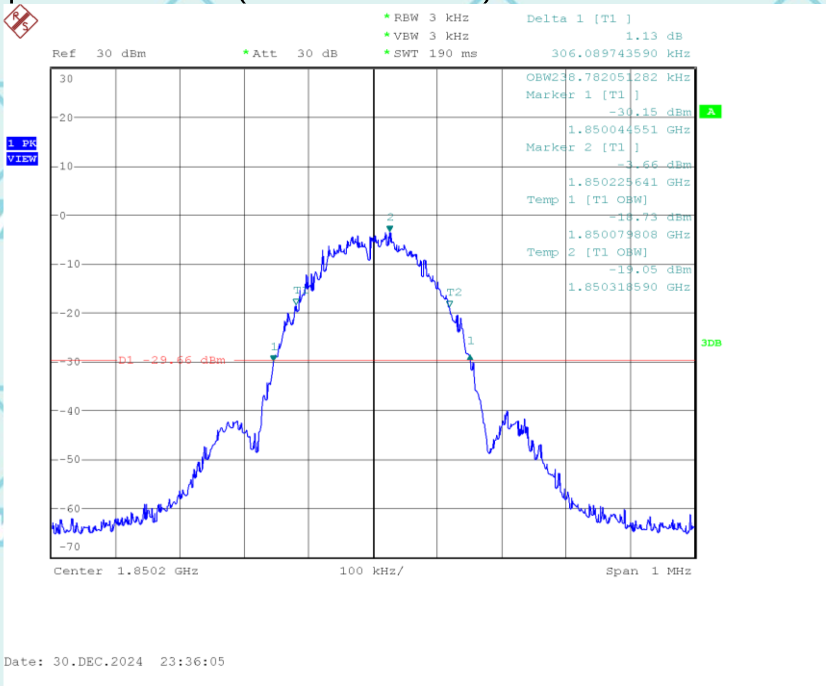
```
*RBW 3 kHz        Delta 1 [T1 ]
*VBW 3 kHz                0.88 dB
Ref 30 dBm   *Att 30 dB   *SWT 190 ms   306.089743590 kHz
OBW 238.782051282 kHz
Marker 1 [T1 ]
-27.43 dBm
836.446153846 MHz
Marker 2 [T1 ]
-0.89 dBm
836.598397436 MHz
Temp 1 [T1 OBW]
-15.85 dBm
836.481410256 MHz
Temp 2 [T1 OBW]
-15.91 dBm
836.720192308 MHz
D1 -26.89 dBm
Center 836.6 MHz   100 kHz/   Span 1 MHz
Date: 26.DEC.2024 16:19:53
```

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



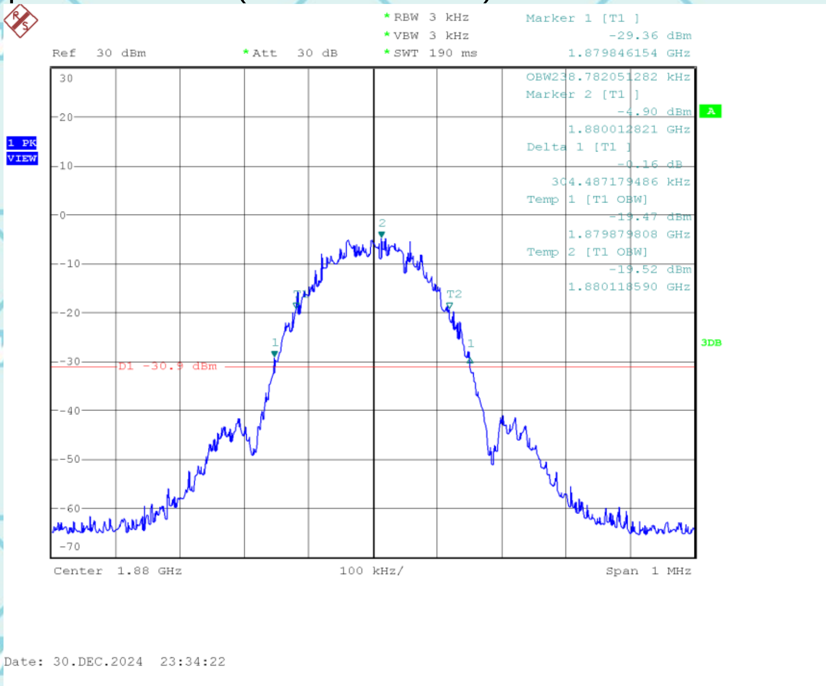
```
*RBW 3 kHz        Marker 1 [T1 ]
*VBW 3 kHz                -25.70 dBm
Ref 30 dBm   *Att 30 dB   *SWT 190 ms   848.645705128 MHz
OBW 240.384615385 kHz
Marker 2 [T1 ]
-0.43 dBm
848.800000000 MHz
Delta 1 [T1 ]
1.33 dB
300.128205129 kHz
Temp 1 [T1 OBW]
-17.30 dBm
848.678205128 MHz
Temp 2 [T1 OBW]
-15.70 dBm
848.918589744 MHz
D1 -26.43 dBm
Center 848.8 MHz   100 kHz/   Span 1 MHz
Date: 26.DEC.2024 16:15:26
```

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



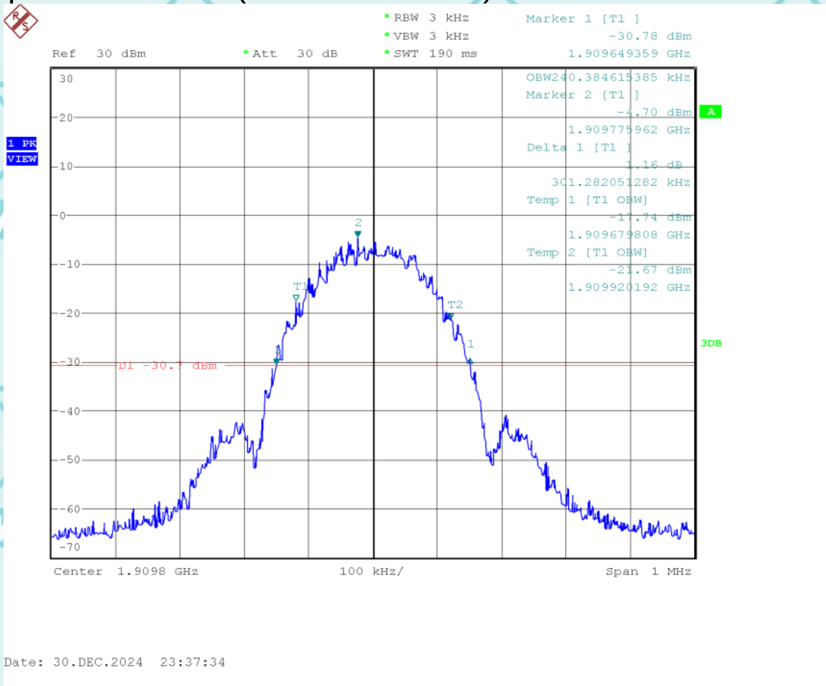
```
*RBW 3 kHz          Delta 1 [T1 ]
*VBW 3 kHz                  1.13 dB
Ref 30 dBm   *Att 30 dB   *SWT 190 ms   306.089743590 kHz
OBW238.782051282 kHz
Marker 1 [T1 ]
   -30.15 dBm
   1.850044551 GHz
Marker 2 [T1 ]
   -3.66 dBm
   1.850225641 GHz
Temp 1 [T1 OBW]
   -18.73 dBm
   1.850079808 GHz
Temp 2 [T1 OBW]
   -19.05 dBm
   1.850318590 GHz
D1 -29.66 dBm
Center 1.8502 GHz      100 kHz/      Span 1 MHz
Date: 30.DEC.2024  23:36:05
```

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



```
*RBW 3 kHz          Marker 1 [T1 ]
*VBW 3 kHz                 -29.36 dBm
Ref 30 dBm   *Att 30 dB   *SWT 190 ms   1.879846154 GHz
OBW238.782051282 kHz
Marker 2 [T1 ]
   -4.90 dBm
   1.880012821 GHz
Delta 1 [T1 ]
   -0.16 dB
   304.487179486 kHz
Temp 1 [T1 OBW]
   -19.47 dBm
   1.879879808 GHz
Temp 2 [T1 OBW]
   -19.52 dBm
   1.880118590 GHz
D1 -30.9 dBm
Center 1.88 GHz      100 kHz/      Span 1 MHz
Date: 30.DEC.2024  23:34:22
```

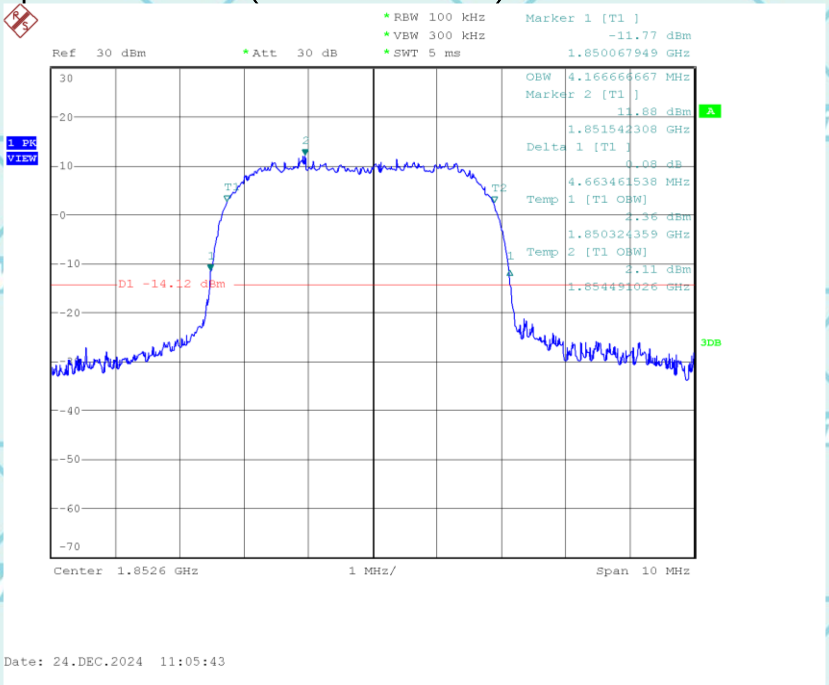
Occupied Bandwidth (99% and -26dBc) EGPRS 1900 Band CH 810



```
*RBW 3 kHz        Marker 1 [T1 ]
*VBW 3 kHz               -30.78 dBm
Ref 30 dBm    *Att 30 dB    *SWT 190 ms      1.909649359 GHz
OBW240.384615385 kHz
Marker 2 [T1 ]
        -4.70 dBm
  1.909775962 GHz
Delta 1 [T1 ]
         1.16 dB
  301.282051282 kHz
Temp 1 [T1 OBW]
       -17.74 dBm
  1.909679808 GHz
Temp 2 [T1 OBW]
       -21.67 dBm
  1.909920192 GHz
Center 1.9098 GHz    100 kHz/    Span 1 MHz
Date: 30.DEC.2024 23:37:34
```

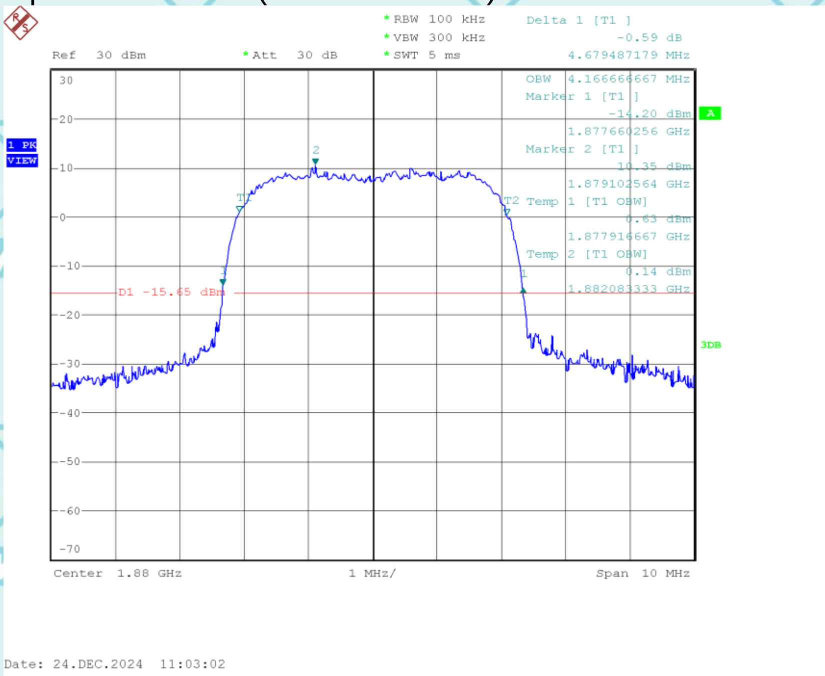
UTRA BANDS

Occupied Bandwidth (99% and -26dBc) WCDMA Band 2 CH 9262



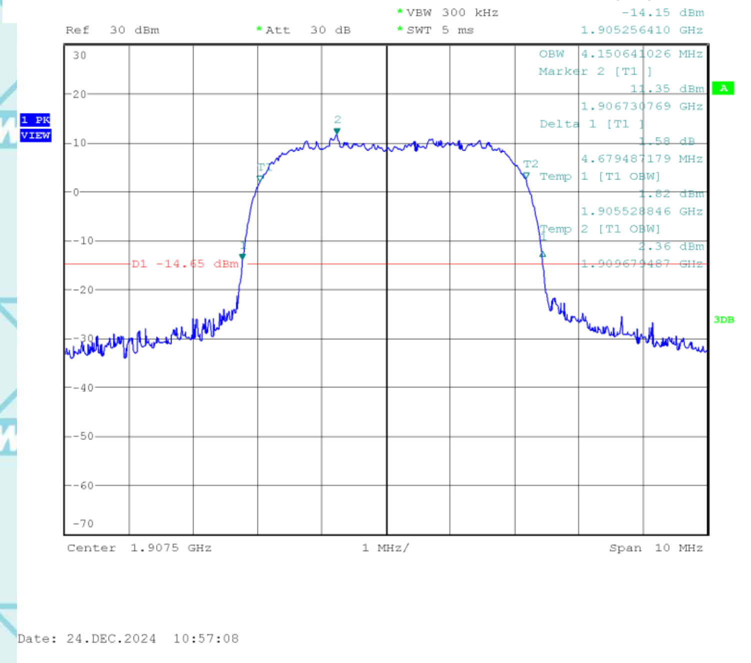
```
*RBW 100 kHz      Marker 1 [T1 ]
*VBW 300 kHz             -11.77 dBm
Ref 30 dBm    *Att 30 dB    *SWT 5 ms      1.850067949 GHz
OBW 4.166666667 MHz
Marker 2 [T1 ]
        11.88 dBm
  1.851542308 GHz
Delta 1 [T1 ]
         0.08 dB
  4.663461538 MHz
Temp 1 [T1 OBW]
         2.36 dBm
  1.850324359 GHz
Temp 2 [T1 OBW]
         2.11 dBm
  1.854491026 GHz
Center 1.8526 GHz    1 MHz/    Span 10 MHz
Date: 24.DEC.2024 11:05:43
```

Occupied Bandwidth (99%and-26dBc) WCDMA Band 2 CH 9400



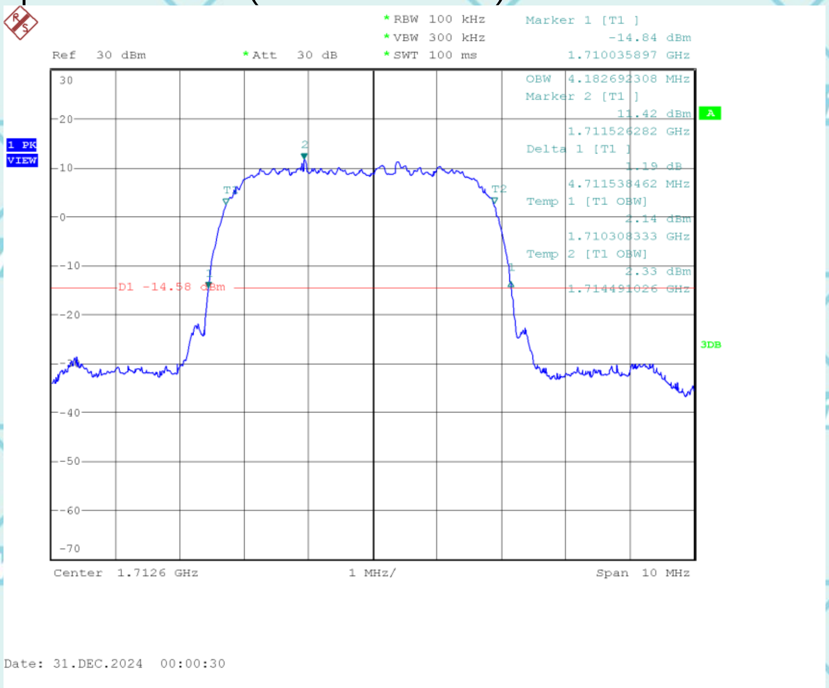
```
*RBW 100 kHz      Delta 1 [T1 ]
*VBW 300 kHz                -0.59 dB
Ref  30 dBm      *Att  30 dB      *SWT 5 ms      4.679487179 MHz
OBW  4.166666667 MHz
Marker 1 [T1 ]
     -14.20 dBm
     1.877660256 GHz
Marker 2 [T1 ]
     10.35 dBm
     1.879102564 GHz
Temp 1 [T1 OBW]
     0.63 dBm
     1.877916667 GHz
Temp 2 [T1 OBW]
     0.14 dBm
     1.882083333 GHz
D1 -15.65 dBm
Center 1.88 GHz      1 MHz/      Span 10 MHz
Date: 24.DEC.2024  11:03:02
```

Occupied Bandwidth (99%and-26dBc) WCDMA Band 2 CH 9538



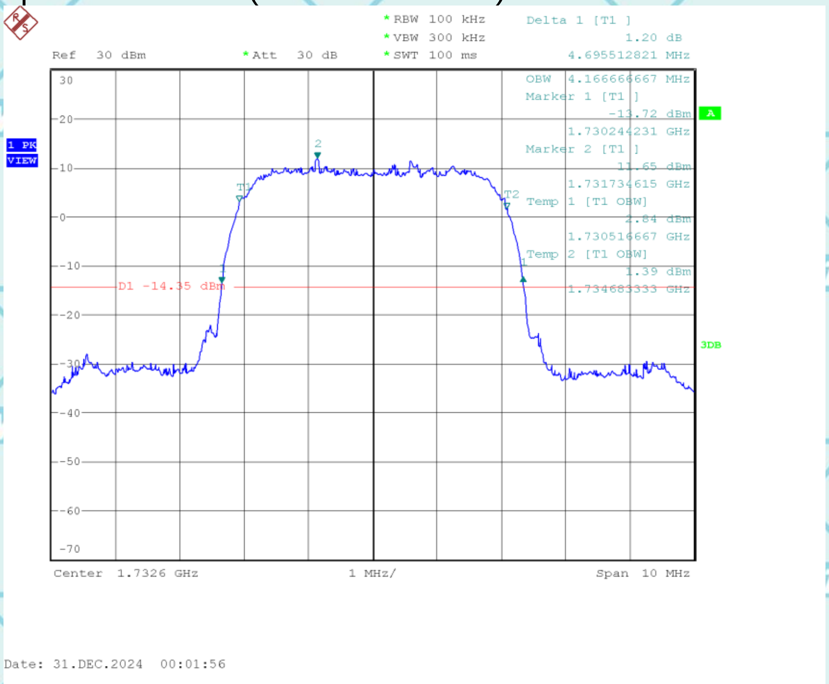
```
*RBW 100 kHz      Marker 1 [T1 ]
*VBW 300 kHz                -14.15 dBm
Ref  30 dBm      *Att  30 dB      *SWT 5 ms      1.905256410 GHz
OBW  4.150641026 MHz
Marker 2 [T1 ]
     11.35 dBm
     1.906730769 GHz
Delta 1 [T1 ]
     1.58 dB
     4.679487179 MHz
Temp 1 [T1 OBW]
     1.82 dBm
     1.905528846 GHz
Temp 2 [T1 OBW]
     2.36 dBm
     1.909679487 GHz
D1 -14.65 dBm
Center 1.9075 GHz      1 MHz/      Span 10 MHz
Date: 24.DEC.2024  10:57:08
```

Occupied Bandwidth (99% and -26dBc) WCDMA Band 4 CH 1312



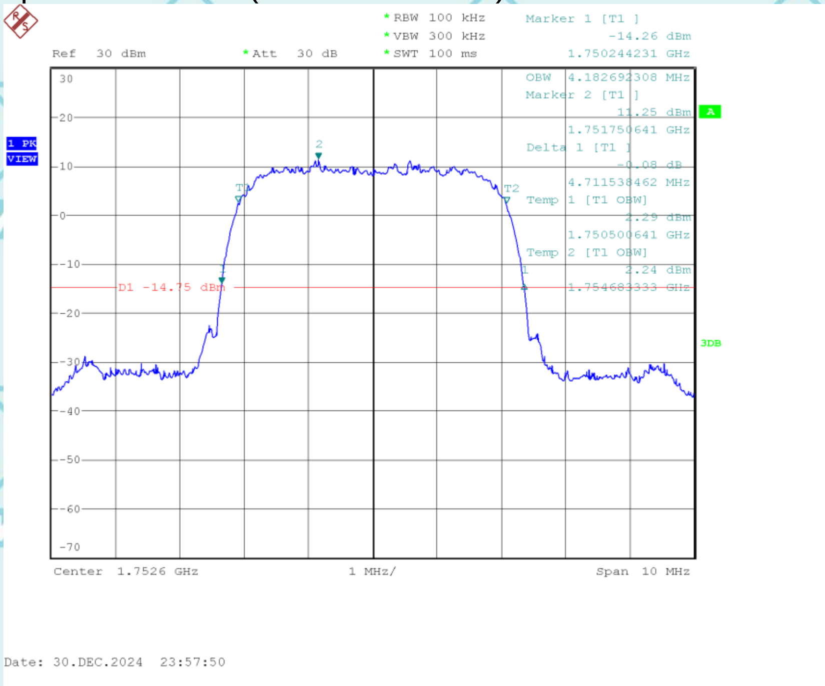
```
*RBW 100 kHz      Marker 1 [T1 ]
*VBW 300 kHz            -14.84 dBm
Ref 30 dBm    *Att 30 dB    *SWT 100 ms      1.710035897 GHz
OBW      4.182692308 MHz
Marker 2 [T1 ]
                11.42 dBm
         1.711526282 GHz
Delta 1 [T1 ]
                 1.19 dB
         4.711538462 MHz
Temp 1 [T1 OBW]
                 2.14 dBm
         1.710308333 GHz
Temp 2 [T1 OBW]
                 2.33 dBm
         1.714491026 GHz
Center 1.7126 GHz      1 MHz/      Span 10 MHz
Date: 31.DEC.2024  00:00:30
```

Occupied Bandwidth (99% and -26dBc) WCDMA Band 4 CH 1413



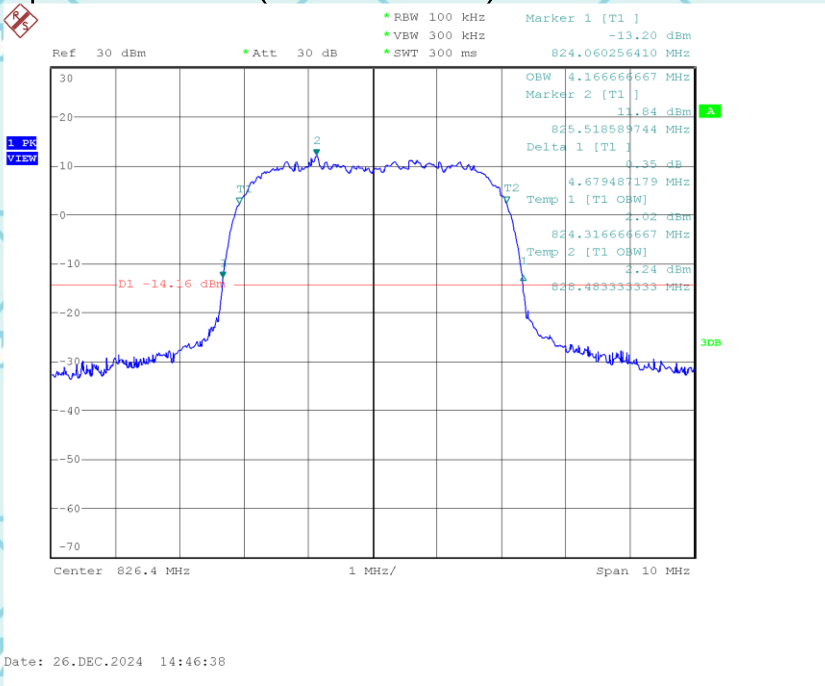
```
*RBW 100 kHz      Delta 1 [T1 ]
*VBW 300 kHz              1.20 dB
Ref 30 dBm    *Att 30 dB    *SWT 100 ms      4.695512821 MHz
OBW      4.166666667 MHz
Marker 1 [T1 ]
               -13.72 dBm
         1.730244231 GHz
Marker 2 [T1 ]
                11.65 dBm
         1.731734615 GHz
Temp 1 [T1 OBW]
                 2.84 dBm
         1.730516667 GHz
Temp 2 [T1 OBW]
                 1.39 dBm
         1.734683333 GHz
Center 1.7326 GHz      1 MHz/      Span 10 MHz
Date: 31.DEC.2024  00:01:56
```

Occupied Bandwidth (99% and -26dBc) WCDMA Band 4 CH 1513



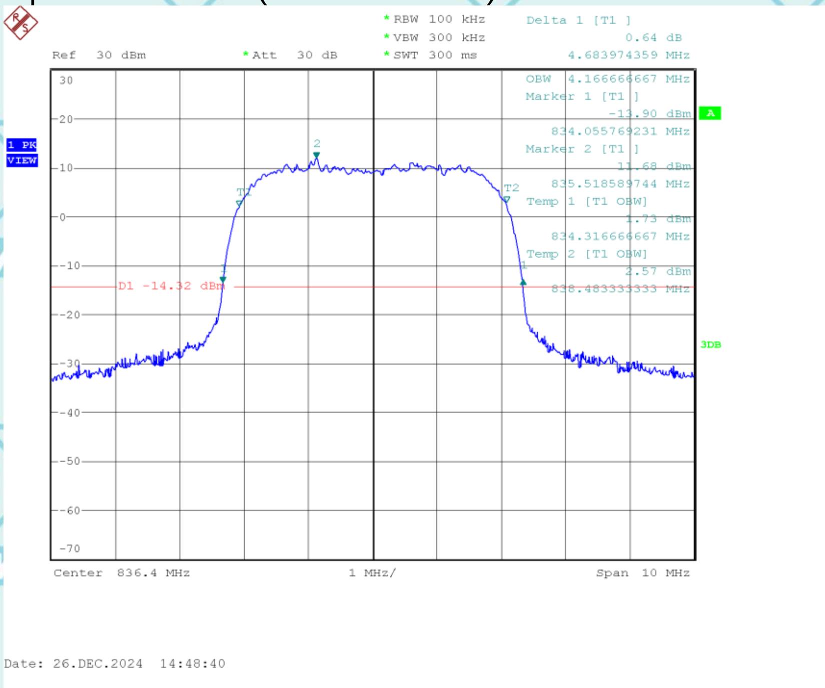
```
                              *RBW 100 kHz     Marker 1 [T1 ]
                              *VBW 300 kHz             -14.26 dBm
Ref  30 dBm        *Att  30 dB *SWT 100 ms         1.750244231 GHz
                                               OBW  4.182692308 MHz
                                               Marker 2 [T1 ]
                                                         11.25 dBm
                                                   1.751750641 GHz
                                               Delta 1 [T1 ]
                                                         -0.08 dB
                                                   4.711538462 MHz
                                               Temp 1 [T1 OBW]
                                                          2.29 dBm
                                                   1.750500641 GHz
                                               Temp 2 [T1 OBW]
                                                          2.24 dBm
                                                   1.754683333 GHz
Center  1.7526 GHz          1 MHz/                    Span  10 MHz

Date: 30.DEC.2024  23:57:50
```

Occupied Bandwidth (99%and-26dBc) WCDMA Band 5 CH 4132



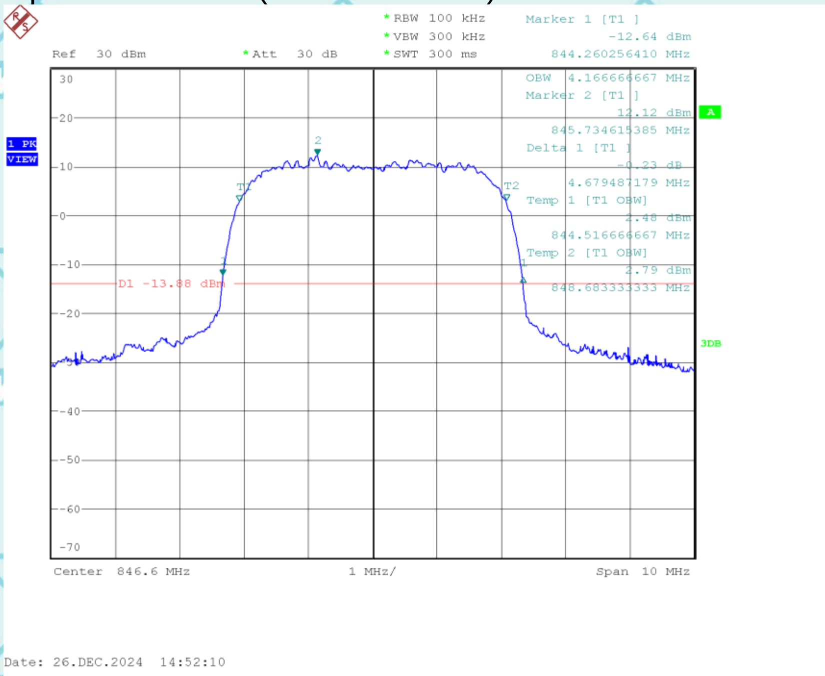
```
                              *RBW 100 kHz     Marker 1 [T1 ]
                              *VBW 300 kHz             -13.20 dBm
Ref  30 dBm        *Att  30 dB *SWT 300 ms         824.060256410 MHz
                                               OBW  4.166666667 MHz
                                               Marker 2 [T1 ]
                                                         11.84 dBm
                                                   825.518589744 MHz
                                               Delta 1 [T1 ]
                                                          0.35 dB
                                                   4.679487179 MHz
                                               Temp 1 [T1 OBW]
                                                          2.02 dBm
                                                   824.316666667 MHz
                                               Temp 2 [T1 OBW]
                                                          2.24 dBm
                                                   828.483333333 MHz
Center  826.4 MHz           1 MHz/                    Span  10 MHz

Date: 26.DEC.2024  14:46:38
```

Occupied Bandwidth (99%and-26dBc) WCDMA Band 5 CH 4182



```
*RBW 100 kHz          Delta 1 [T1 ]
*VBW 300 kHz                     0.64 dB
*SWT 300 ms               4.683974359 MHz
Ref  30 dBm     *Att  30 dB

OBW   4.166666667 MHz
Marker 1 [T1 ]
               -13.90 dBm
      834.055769231 MHz
Marker 2 [T1 ]
                11.68 dBm
      835.518589744 MHz
Temp 1 [T1 OBW]
                 1.73 dBm
      834.316666667 MHz
Temp 2 [T1 OBW]
                 2.57 dBm
      838.483333333 MHz

Center  836.4 MHz        1 MHz/        Span  10 MHz

Date: 26.DEC.2024  14:48:40
```

Occupied Bandwidth (99%and-26dBc) WCDMA Band 5 CH 4233



```
*RBW 100 kHz          Marker 1 [T1 ]
*VBW 300 kHz                   -12.64 dBm
*SWT 300 ms               844.260256410 MHz
Ref  30 dBm     *Att  30 dB

OBW   4.166666667 MHz
Marker 2 [T1 ]
                12.12 dBm
      845.734615385 MHz
Delta 1 [T1 ]
                -0.23 dB
        4.679487179 MHz
Temp 1 [T1 OBW]
                 2.48 dBm
      844.516666667 MHz
Temp 2 [T1 OBW]
                 2.79 dBm
      848.683333333 MHz

Center  846.6 MHz        1 MHz/        Span  10 MHz

Date: 26.DEC.2024  14:52:10
```

Note: Please refer to Annex（LTE&NR Occupied Bandwidth） for more test data

10. BAND EDGE

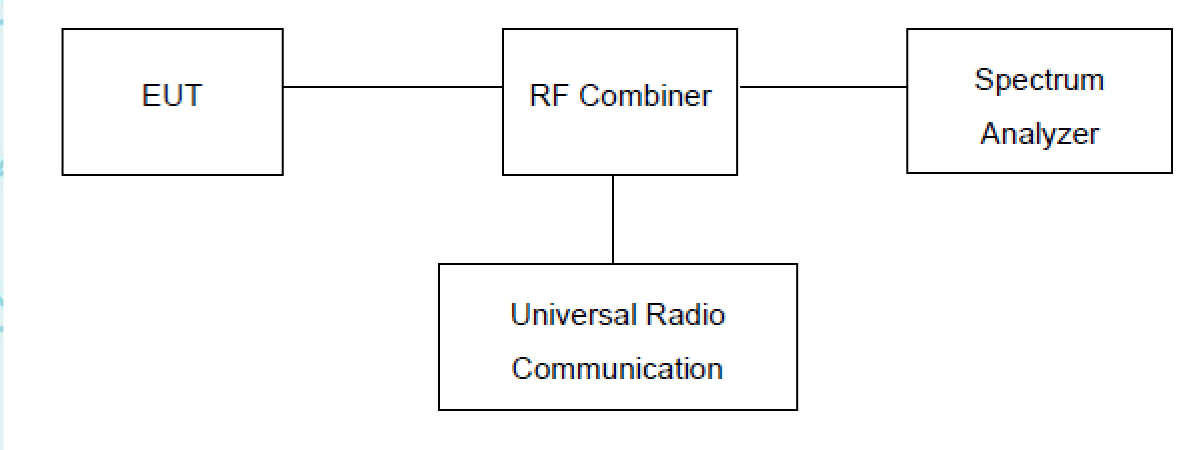
Test Limit:

The radio frequency voltage or powers generated within the equipment and appearing on a spurious frequency shall be checked at the equipment output terminals when properly loaded with a suitable artificial antenna. Curves or equivalent data shall show the magnitude of each harmonic and other spurious emission that can be detected when the equipment is operated under the conditions specified in §2.1049 as appropriate. The magnitude of spurious emissions which are attenuated more than 20 dB below the permissible value need not be specified. See section 4.

Test procedure:

The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation.

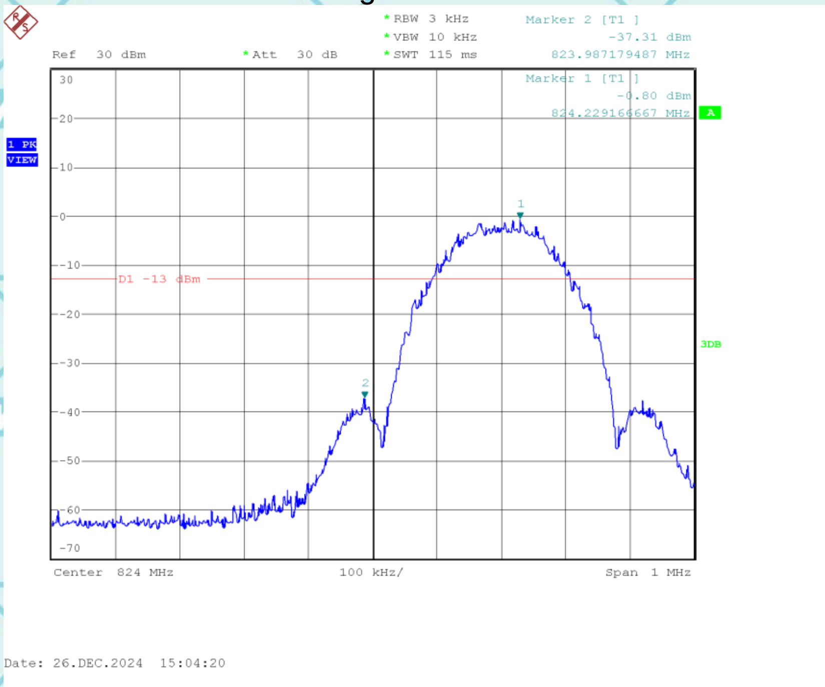
Test setup:



10.1. Measurement Result

Test Plot(s)

Low Band Edge GSM 850 Band CH 128



*RBW 3 kHz
*VBW 10 kHz
Ref 30 dBm *Att 30 dB *SWT 115 ms

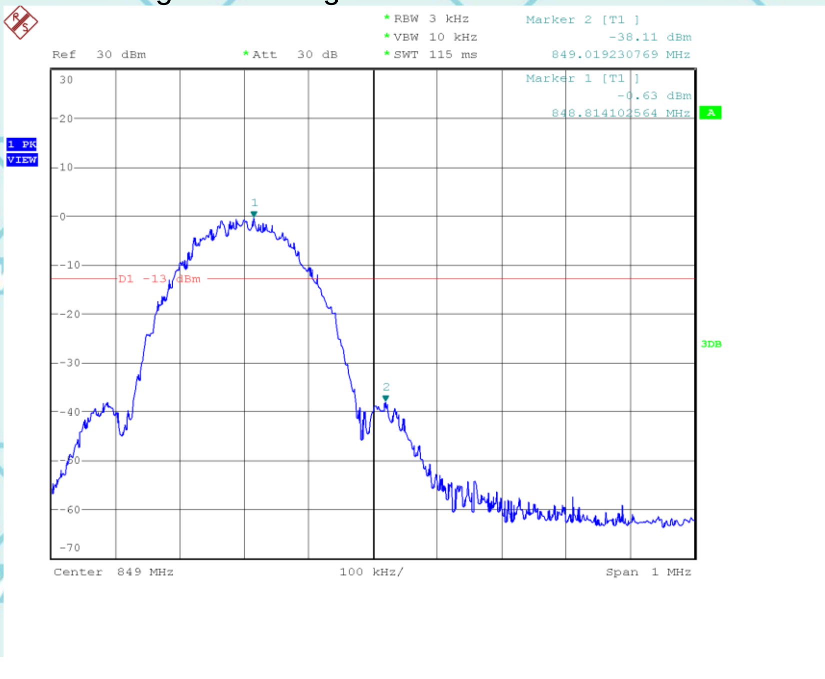
Marker 2 [T1]
-37.31 dBm
823.987179487 MHz

Marker 1 [T1]
-0.80 dBm
824.229166667 MHz

Center 824 MHz 100 kHz/ Span 1 MHz

Date: 26.DEC.2024 15:04:20

High Band Edge GSM 850 Band CH 251



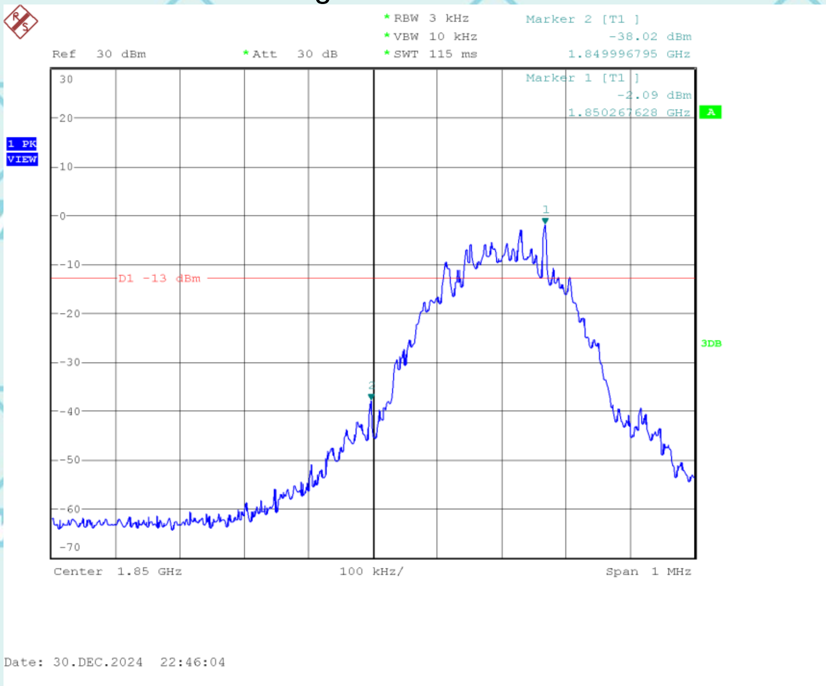
*RBW 3 kHz
*VBW 10 kHz
Ref 30 dBm *Att 30 dB *SWT 115 ms

Marker 2 [T1]
-38.11 dBm
849.019230769 MHz

Marker 1 [T1]
-0.63 dBm
848.814102564 MHz

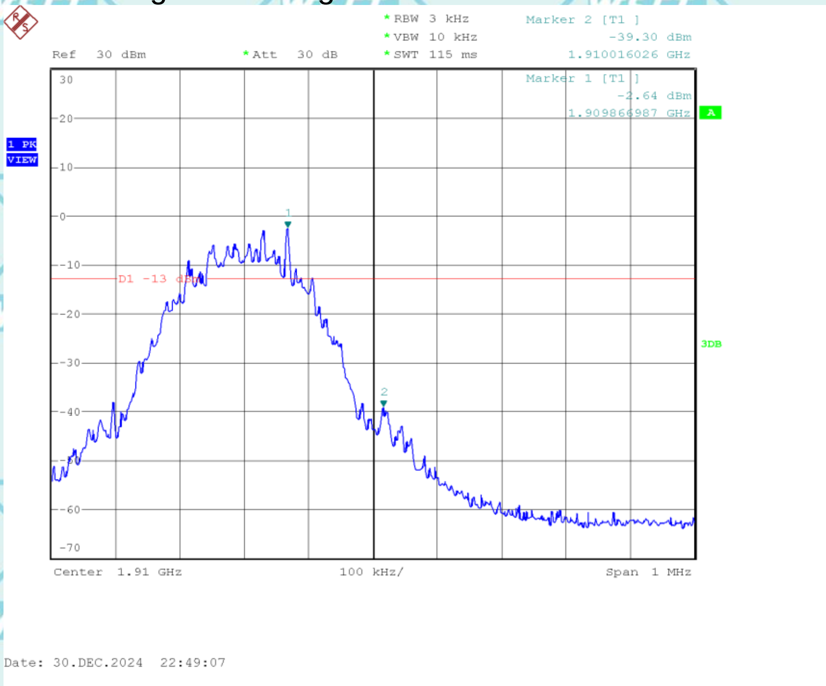
Center 849 MHz 100 kHz/ Span 1 MHz

Low Band Edge PCS 1900 Band CH 512



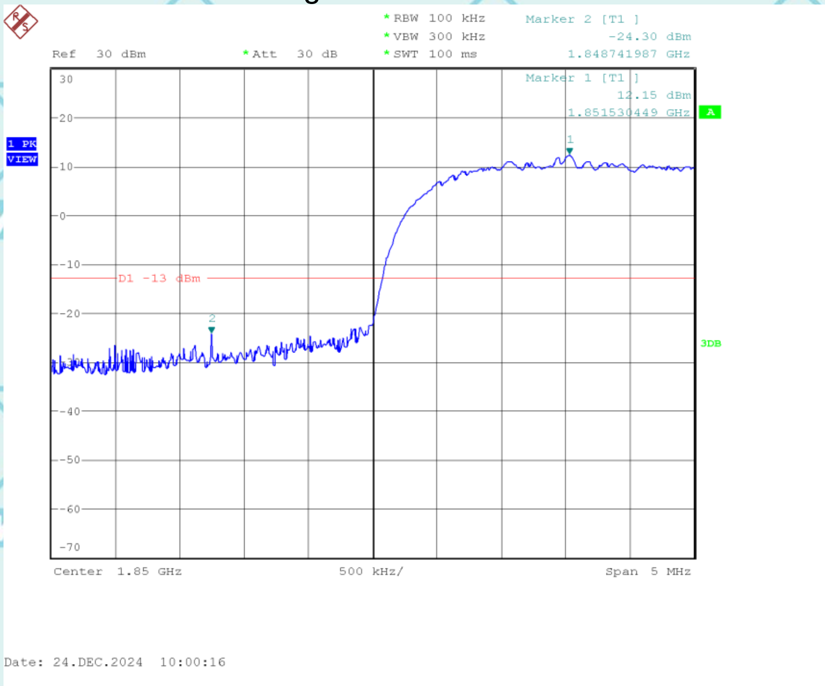
*RBW 3 kHz
*VBW 10 kHz
Ref 30 dBm *Att 30 dB *SWT 115 ms
Marker 2 [T1] -38.02 dBm 1.849996795 GHz
Marker 1 [T1] -2.09 dBm 1.850267628 GHz
Center 1.85 GHz 100 kHz/ Span 1 MHz
Date: 30.DEC.2024 22:46:04

High Band Edge PCS 1900 Band CH 810



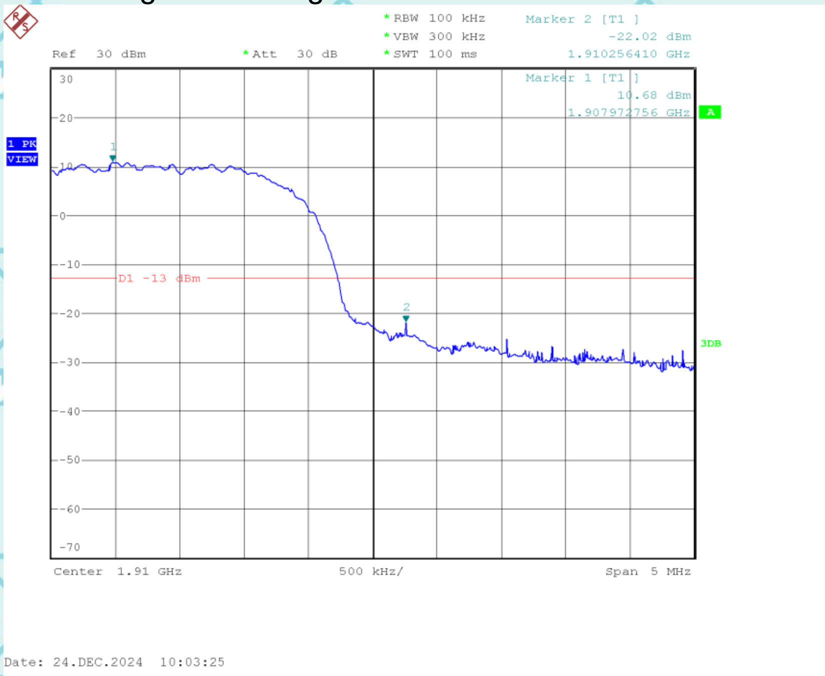
*RBW 3 kHz
*VBW 10 kHz
Ref 30 dBm *Att 30 dB *SWT 115 ms
Marker 2 [T1] -39.30 dBm 1.910016026 GHz
Marker 1 [T1] -2.64 dBm 1.909866987 GHz
Center 1.91 GHz 100 kHz/ Span 1 MHz
Date: 30.DEC.2024 22:49:07

Low Band Edge WCDMA Band 2 CH 9263



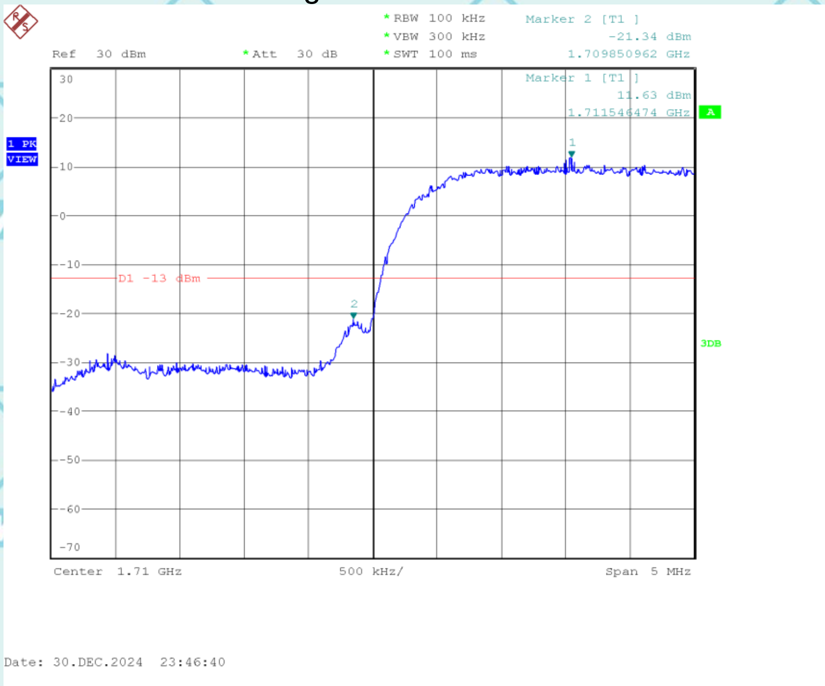
*RBW 100 kHz
*VBW 300 kHz
Ref 30 dBm *Att 30 dB *SWT 100 ms
Marker 2 [T1]
-24.30 dBm
1.848741987 GHz
Marker 1 [T1]
12.15 dBm
1.851530449 GHz
Center 1.85 GHz 500 kHz/ Span 5 MHz
Date: 24.DEC.2024 10:00:16

High Band Edge WCDMA Band 2 CH 9537

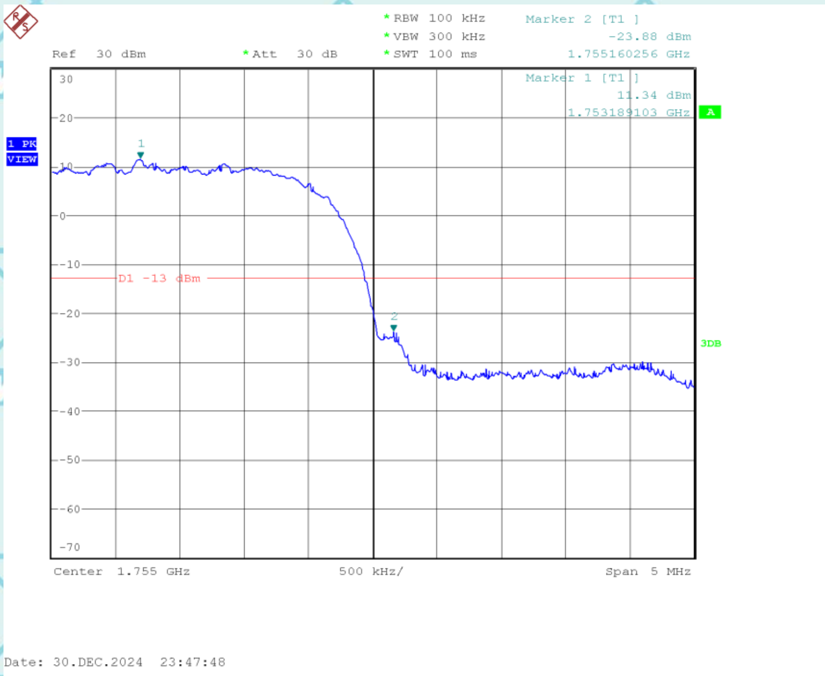


*RBW 100 kHz
*VBW 300 kHz
Ref 30 dBm *Att 30 dB *SWT 100 ms
Marker 2 [T1]
-22.02 dBm
1.910256410 GHz
Marker 1 [T1]
10.68 dBm
1.907972756 GHz
Center 1.91 GHz 500 kHz/ Span 5 MHz
Date: 24.DEC.2024 10:03:25

Low Band Edge WCDMA Band 4 CH 1312


*RBW 100 kHz
*VBW 300 kHz
*SWT 100 ms
Ref 30 dBm
*Att 30 dB
Marker 2 [T1] -21.34 dBm 1.709850962 GHz
Marker 1 [T1] 11.63 dBm 1.711546474 GHz
Center 1.71 GHz
500 kHz/
Span 5 MHz
Date: 30.DEC.2024 23:46:40

Low Band Edge WCDMA Band 4 CH 1513


*RBW 100 kHz
*VBW 300 kHz
*SWT 100 ms
Ref 30 dBm
*Att 30 dB
Marker 2 [T1] -23.88 dBm 1.755160256 GHz
Marker 1 [T1] 11.34 dBm 1.753189103 GHz
Center 1.755 GHz
500 kHz/
Span 5 MHz
Date: 30.DEC.2024 23:47:48