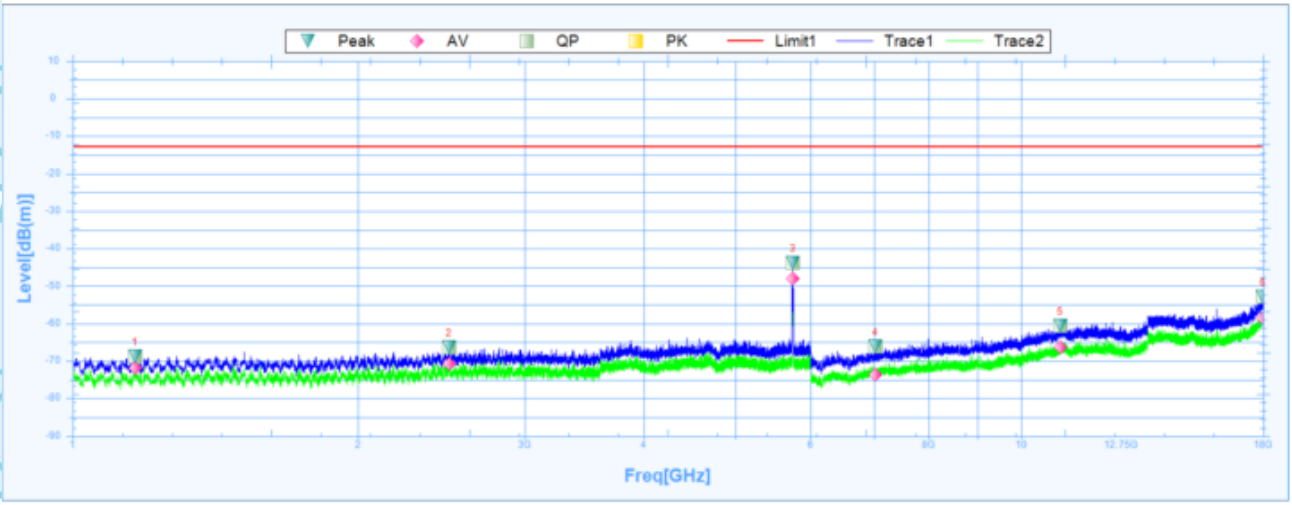
Band 5:

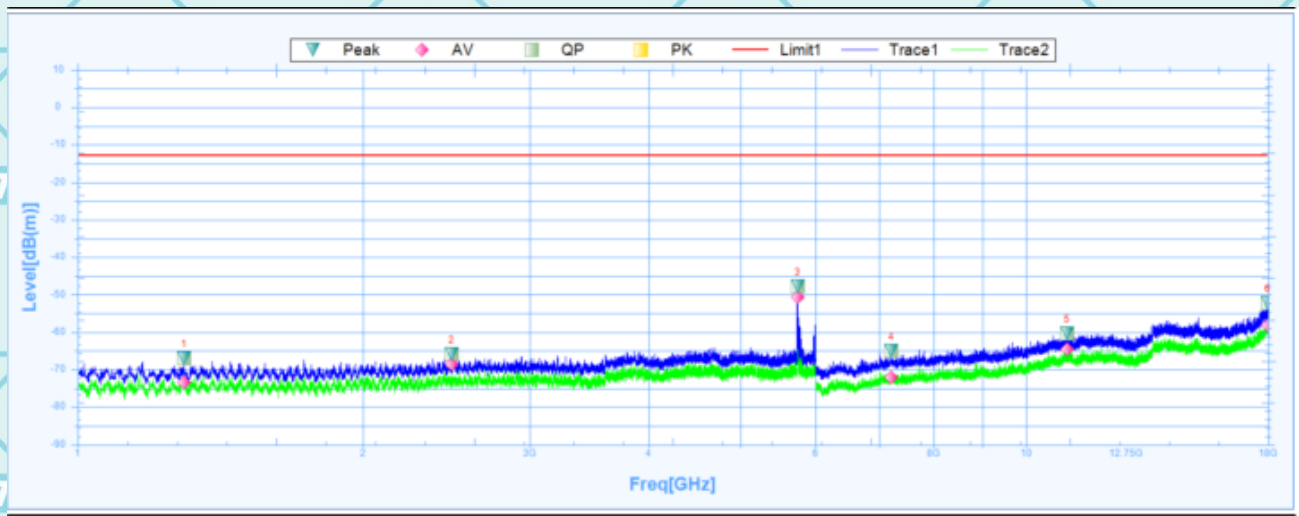
Horizontal:



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1163.1250	-68.88	24.38	-93.26	-13	-55.88	227.6	Horizontal	PK	Pass
1	1163.1250	-71.93	24.38	-96.31	54	-125.93	227.6	Horizontal	AV	Pass
2	2493.7500	-66.39	27.58	-93.97	-13	-53.39	0.5	Horizontal	PK	Pass
2	2493.7500	-70.75	27.58	-98.33	54	-124.75	0.5	Horizontal	AV	Pass
3	5750.6250	-43.92	32.4	-76.32	-13	-30.92	352.1	Horizontal	PK	Pass
3	5750.6250	-47.94	32.4	-80.34	54	-101.94	352.1	Horizontal	AV	Pass
4	7023.0000	-66.2	6.41	-72.61	-13	-53.2	45	Horizontal	PK	Pass
4	7023.0000	-73.67	6.41	-80.08	54	-127.67	45	Horizontal	AV	Pass
5	10999.5000	-60.7	15.61	-76.31	-13	-47.7	22.4	Horizontal	PK	Pass
5	10999.5000	-66.31	15.61	-81.92	54	-120.31	22.4	Horizontal	AV	Pass
6	17997.0000	-52.83	23.91	-76.74	-13	-39.83	324.8	Horizontal	PK	Pass
6	17997.0000	-58.66	23.91	-82.57	54	-112.66	324.8	Horizontal	AV	Pass

Vertical:



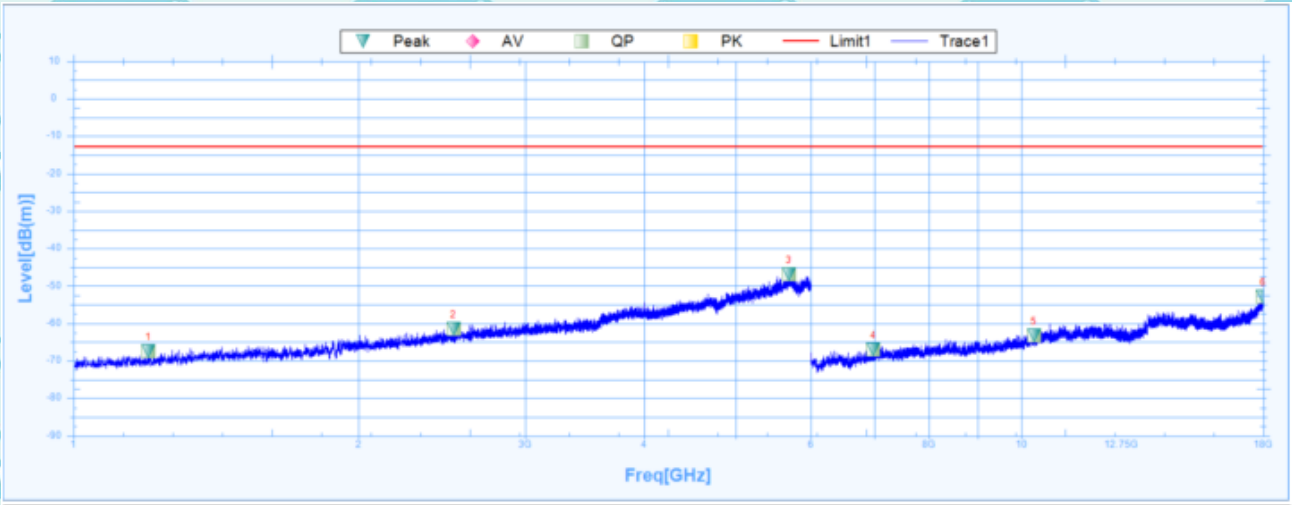
Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1295.0000	-67.11	24.73	-91.84	-13	-54.11	275.3	Vertical	PK	Pass
1	1295.0000	-73.49	24.73	-98.22	54	-127.49	275.3	Vertical	AV	Pass
2	2480.0000	-66	27.53	-93.53	-13	-53	97.2	Vertical	PK	Pass
2	2480.0000	-68.57	27.53	-96.1	54	-122.57	97.2	Vertical	AV	Pass
3	5746.2500	-47.73	32.39	-80.12	-13	-34.73	1.3	Vertical	PK	Pass
3	5746.2500	-50.6	32.39	-82.99	54	-104.6	1.3	Vertical	AV	Pass
4	7213.5000	-65.06	6.99	-72.05	-13	-52.06	327.3	Vertical	PK	Pass
4	7213.5000	-72.03	6.99	-79.02	54	-126.03	327.3	Vertical	AV	Pass
5	11047.5000	-60.48	15.77	-76.25	-13	-47.48	355	Vertical	PK	Pass
5	11047.5000	-64.62	15.77	-80.39	54	-118.62	355	Vertical	AV	Pass
6	17986.5000	-52.29	23.83	-76.12	-13	-39.29	158.7	Vertical	PK	Pass
6	17986.5000	-58.12	23.83	-81.95	54	-112.12	158.7	Vertical	AV	Pass

E-UTRA BANDS

Band 2:

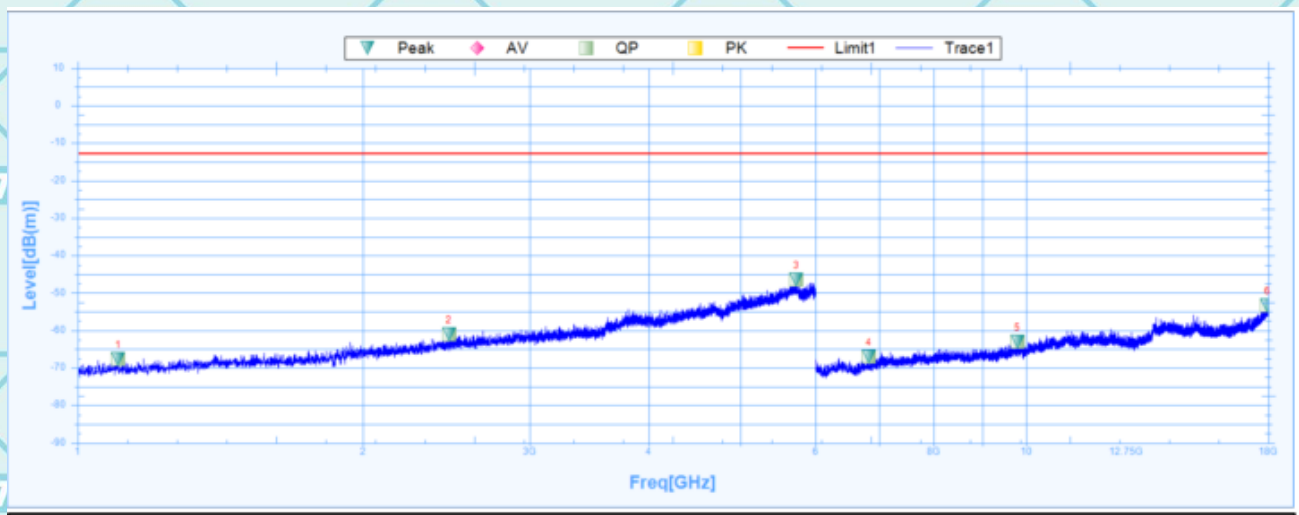
Horizontal:



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1200.0000	-67.51	24.4	-91.91	-13	-54.51	224	Horizontal	PK	Pass
1	1200.0000		24.4		54		224	Horizontal	AV	Pass
2	2517.5000	-61.57	27.62	-89.19	-13	-48.57	255.1	Horizontal	PK	Pass
2	2517.5000		27.62		54		255.1	Horizontal	AV	Pass
3	5690.0000	-46.89	32.3	-79.19	-13	-33.89	221.6	Horizontal	PK	Pass
3	5690.0000		32.3		54		221.6	Horizontal	AV	Pass
4	6984.0000	-67	6.31	-73.31	-13	-54	13	Horizontal	PK	Pass
4	6984.0000		6.31		54		13	Horizontal	AV	Pass
5	10312.5000	-63.17	13.33	-76.5	-13	-50.17	340	Horizontal	PK	Pass
5	10312.5000		13.33		54		340	Horizontal	AV	Pass
6	17994.0000	-52.9	23.89	-76.79	-13	-39.9	169.4	Horizontal	PK	Pass
6	17994.0000		23.89		54		169.4	Horizontal	AV	Pass

Vertical:

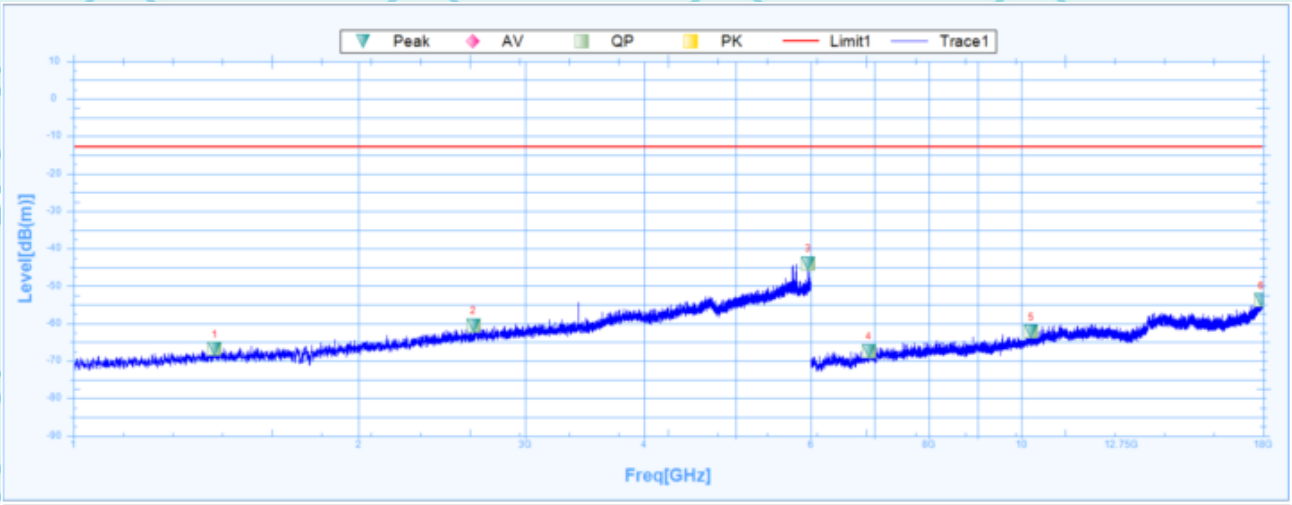


Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1103.7500	-67.64	24.35	-91.99	-13	-54.64	151	Vertical	PK	Pass
1	1103.7500		24.35		54		151	Vertical	AV	Pass
2	2463.7500	-60.97	27.48	-88.45	-13	-47.97	3	Vertical	PK	Pass
2	2463.7500		27.48		54		3	Vertical	AV	Pass
3	5728.7500	-46.56	32.37	-78.93	-13	-33.56	78.1	Vertical	PK	Pass
3	5728.7500		32.37		54		78.1	Vertical	AV	Pass
4	6828.0000	-66.95	5.74	-72.69	-13	-53.95	136	Vertical	PK	Pass
4	6828.0000		5.74		54		136	Vertical	AV	Pass
5	9795.0000	-63.1	11.88	-74.98	-13	-50.1	102.6	Vertical	PK	Pass
5	9795.0000		11.88		54		102.6	Vertical	AV	Pass
6	17970.0000	-53.23	23.72	-76.95	-13	-40.23	219.7	Vertical	PK	Pass
6	17970.0000		23.72		54		219.7	Vertical	AV	Pass

Band 4:

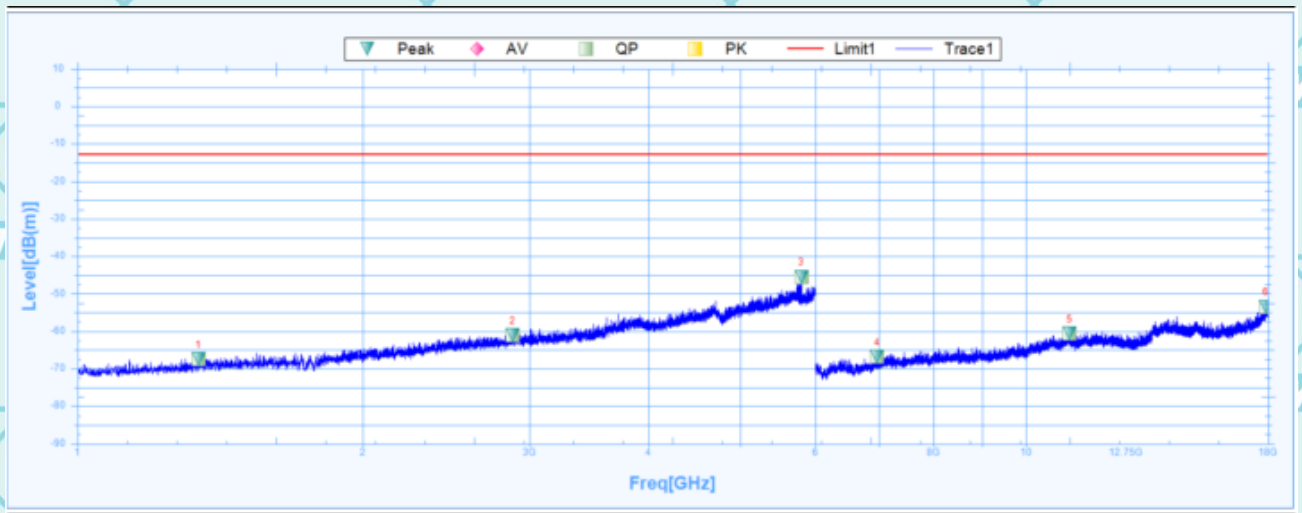
Horizontal:



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1410.0000	-66.82	25.09	-91.91	-13	-53.82	44.7	Horizontal	PK	Pass
1	1410.0000		25.09		54		44.7	Horizontal	AV	Pass
2	2642.5000	-60.5	27.77	-88.27	-13	-47.5	2.7	Horizontal	PK	Pass
2	2642.5000		27.77		54		2.7	Horizontal	AV	Pass
3	5963.1250	-43.94	32.74	-76.68	-13	-30.94	38.7	Horizontal	PK	Pass
3	5963.1250		32.74		54		38.7	Horizontal	AV	Pass
4	6907.5000	-67.36	6.05	-73.41	-13	-54.36	85.8	Horizontal	PK	Pass
4	6907.5000		6.05		54		85.8	Horizontal	AV	Pass
5	10248.0000	-62.25	13.13	-75.38	-13	-49.25	49.9	Horizontal	PK	Pass
5	10248.0000		13.13		54		49.9	Horizontal	AV	Pass
6	17917.5000	-53.78	23.37	-77.15	-13	-40.78	340.9	Horizontal	PK	Pass
6	17917.5000		23.37		54		340.9	Horizontal	AV	Pass

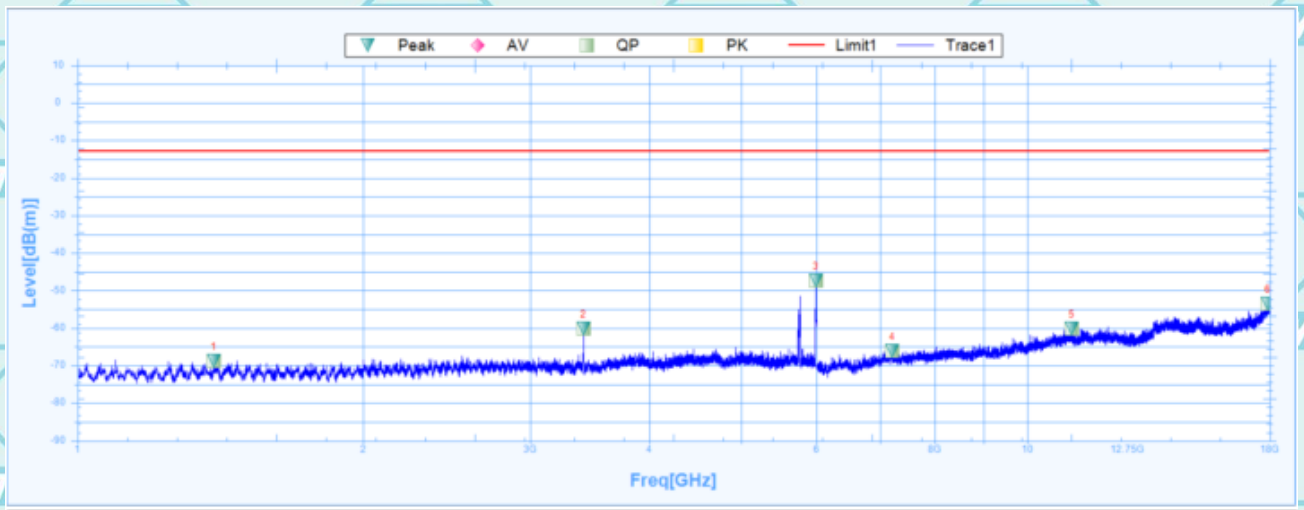
Vertical:



Susputed Data List

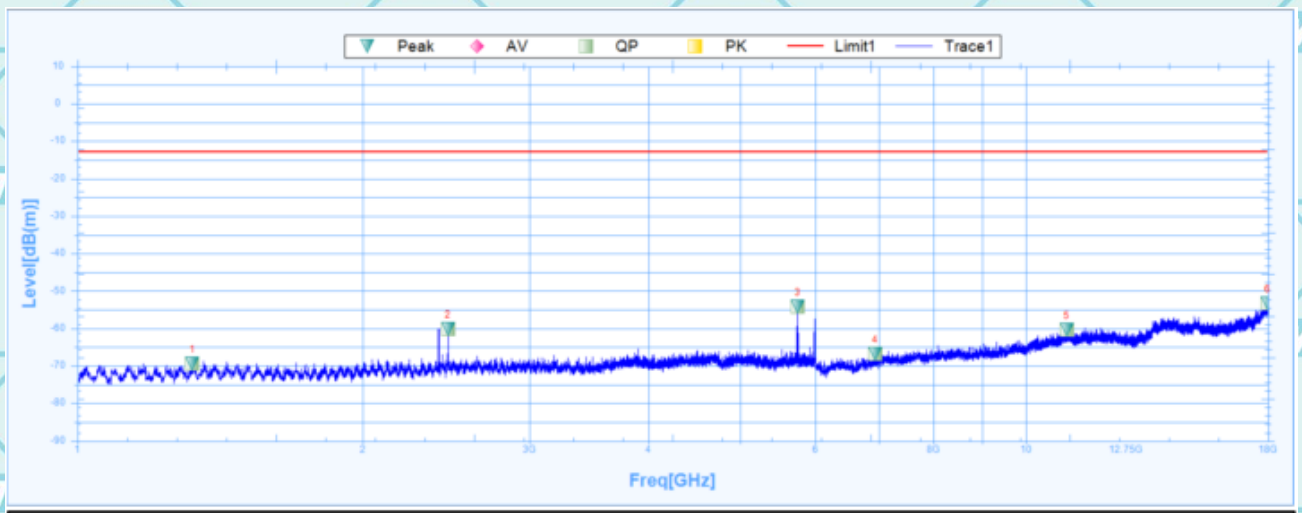
NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1341.2500	-67.37	24.89	-92.26	-13	-54.37	279	Vertical	PK	Pass
1	1341.2500		24.89		54		279	Vertical	AV	Pass
2	2877.5000	-61.08	28.05	-89.13	-13	-48.08	194.2	Vertical	PK	Pass
2	2877.5000		28.05		54		194.2	Vertical	AV	Pass
3	5798.7500	-45.48	32.48	-77.96	-13	-32.48	249.1	Vertical	PK	Pass
3	5798.7500		32.48		54		249.1	Vertical	AV	Pass
4	6970.5000	-66.89	6.26	-73.15	-13	-53.89	23.6	Vertical	PK	Pass
4	6970.5000		6.26		54		23.6	Vertical	AV	Pass
5	11125.5000	-60.58	15.84	-76.42	-13	-47.58	141.9	Vertical	PK	Pass
5	11125.5000		15.84		54		141.9	Vertical	AV	Pass
6	17907.0000	-53.44	23.31	-76.75	-13	-40.44	326	Vertical	PK	Pass
6	17907.0000		23.31		54		326	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	1391.2500	-68.74	25.07	-93.81	-13	-55.74	360.1	Horizontal	PK	Pass
1	1391.2500		25.07		54		360.1	Horizontal	AV	Pass
2	3410.0000	-60.26	28.45	-88.71	-13	-47.26	360.1	Horizontal	PK	Pass
2	3410.0000		28.45		54		360.1	Horizontal	AV	Pass
3	5994.3750	-47.31	32.79	-80.1	-13	-34.31	137.9	Horizontal	PK	Pass
3	5994.3750		32.79		54		137.9	Horizontal	AV	Pass
4	7210.5000	-66.08	35.82	-101.9	-13	-53.08	175.4	Horizontal	PK	Pass
4	7210.5000		35.82		54		175.4	Horizontal	AV	Pass
5	11142.0000	-60.26	39.37	-99.63	-13	-47.26	11.8	Horizontal	PK	Pass
5	11142.0000		39.37		54		11.8	Horizontal	AV	Pass
6	17919.0000	-53.55	45.96	-99.51	-13	-40.55	180.2	Horizontal	PK	Pass
6	17919.0000		45.96		54		180.2	Horizontal	AV	Pass

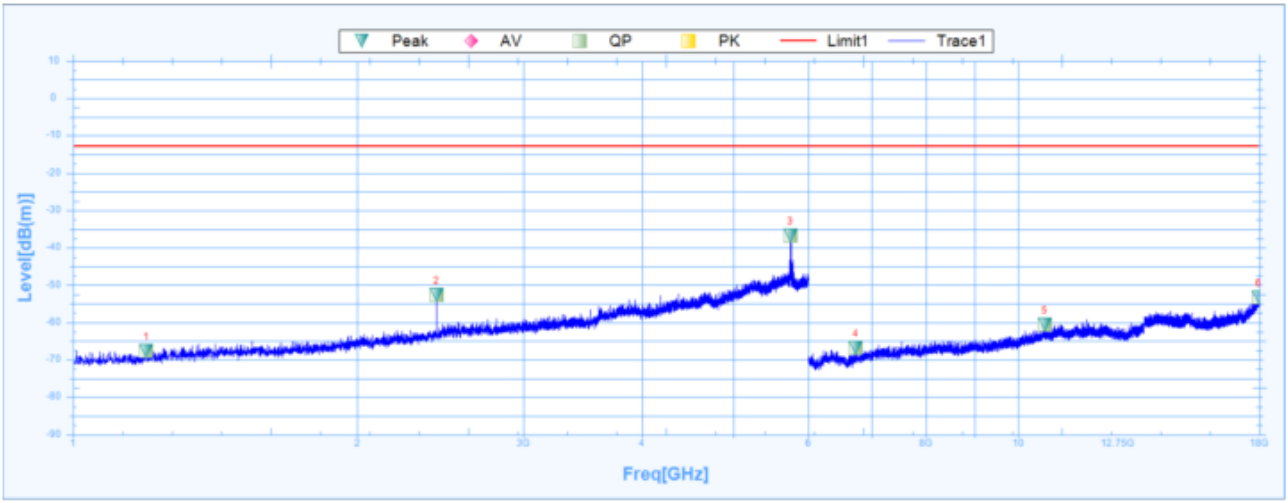
Vertical:



Susputed Data List										
NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1321.8750	-69.36	24.83	-94.19	-13	-56.36	18.2	Vertical	PK	Pass
1	1321.8750		24.83		54		18.2	Vertical	AV	Pass
2	2459.3750	-60.14	27.46	-87.6	-13	-47.14	17.4	Vertical	PK	Pass
2	2459.3750		27.46		54		17.4	Vertical	AV	Pass
3	5750.6250	-54.18	32.4	-86.58	-13	-41.18	252.6	Vertical	PK	Pass
3	5750.6250		32.4		54		252.6	Vertical	AV	Pass
4	6936.0000	-66.89	6.15	-73.04	-13	-53.89	274.6	Vertical	PK	Pass
4	6936.0000		6.15		54		274.6	Vertical	AV	Pass
5	11041.5000	-60.41	15.75	-76.16	-13	-47.41	352.4	Vertical	PK	Pass
5	11041.5000		15.75		54		352.4	Vertical	AV	Pass
6	17985.0000	-53.41	23.82	-77.23	-13	-40.41	345.6	Vertical	PK	Pass
6	17985.0000		23.82		54		345.6	Vertical	AV	Pass

Band 7:

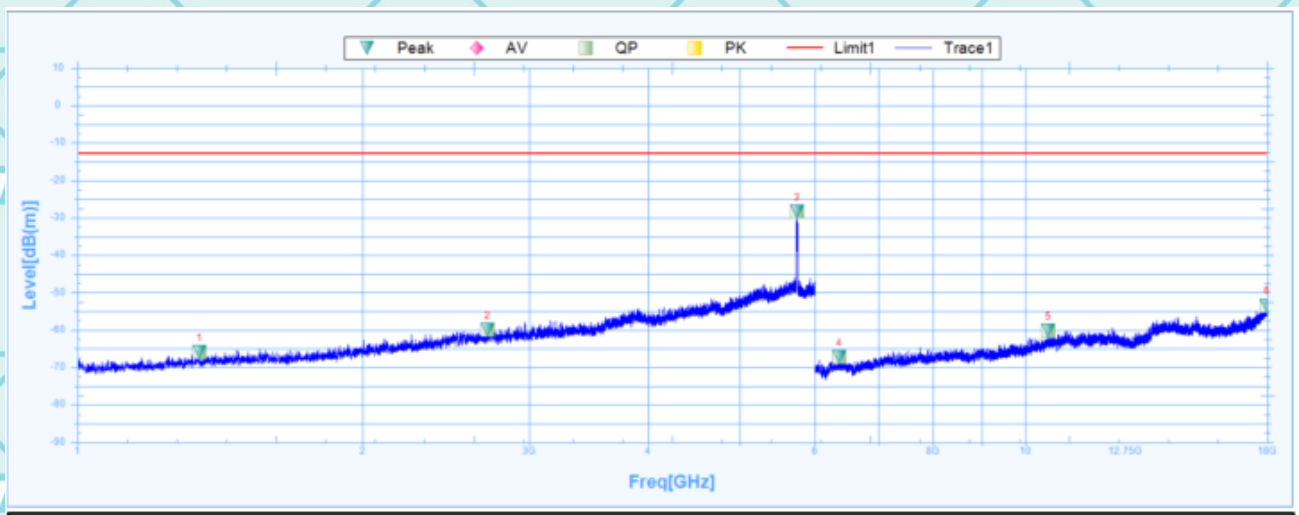
Horizontal:



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1195.6250	-67.62	24.4	-92.02	-13	-54.62	4.2	Horizontal	PK	Pass
1	1195.6250		24.4		54		4.2	Horizontal	AV	Pass
2	2425.6250	-52.72	27.35	-80.07	-13	-39.72	360.1	Horizontal	PK	Pass
2	2425.6250		27.35		54		360.1	Horizontal	AV	Pass
3	5743.7500	-36.85	32.39	-69.24	-13	-23.85	6.6	Horizontal	PK	Pass
3	5743.7500		32.39		54		6.6	Horizontal	AV	Pass
4	6736.5000	-66.79	5.32	-72.11	-13	-53.79	0	Horizontal	PK	Pass
4	6736.5000		5.32		54		0	Horizontal	AV	Pass
5	10672.5000	-60.53	14.55	-75.08	-13	-47.53	112.2	Horizontal	PK	Pass
5	10672.5000		14.55		54		112.2	Horizontal	AV	Pass
6	17974.5000	-53.24	23.75	-76.99	-13	-40.24	192.2	Horizontal	PK	Pass
6	17974.5000		23.75		54		192.2	Horizontal	AV	Pass

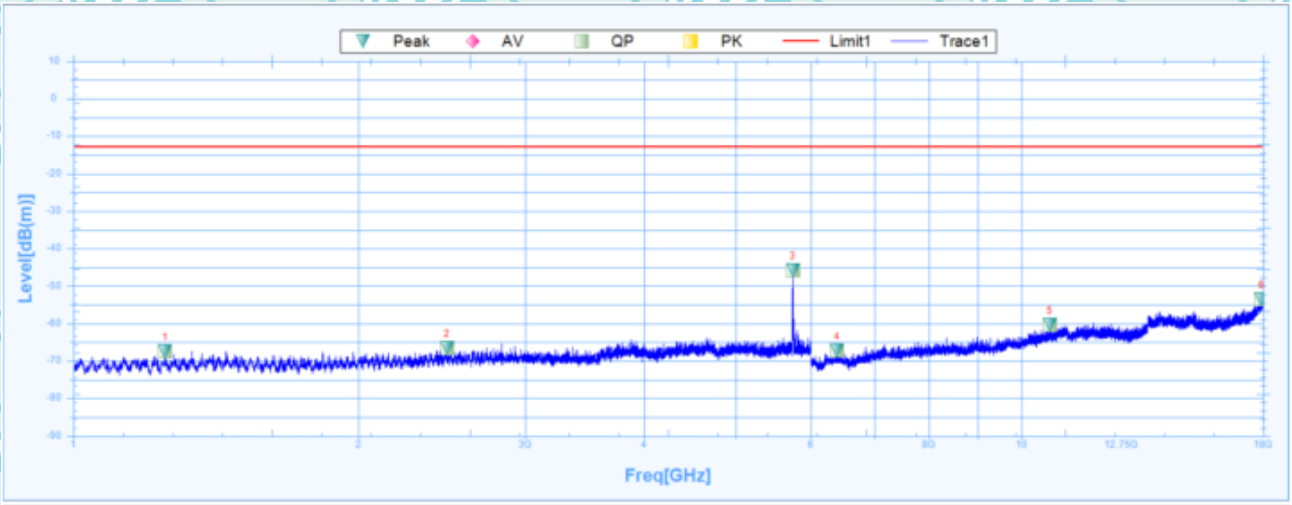
Vertical:



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1345.0000	-65.91	24.91	-90.82	-13	-52.91	40	Vertical	PK	Pass
1	1345.0000		24.91		54		40	Vertical	AV	Pass
2	2710.6250	-59.93	27.85	-87.78	-13	-46.93	256.3	Vertical	PK	Pass
2	2710.6250		27.85		54		256.3	Vertical	AV	Pass
3	5749.3750	-28.28	32.4	-60.68	-13	-15.28	299.4	Vertical	PK	Pass
3	5749.3750		32.4		54		299.4	Vertical	AV	Pass
4	6366.0000	-67.23	4.51	-71.74	-13	-54.23	296.2	Vertical	PK	Pass
4	6366.0000		4.51		54		296.2	Vertical	AV	Pass
5	10579.5000	-60.17	14.24	-74.41	-13	-47.17	232.9	Vertical	PK	Pass
5	10579.5000		14.24		54		232.9	Vertical	AV	Pass
6	17998.5000	-53.43	23.92	-77.35	-13	-40.43	204.2	Vertical	PK	Pass
6	17998.5000		23.92		54		204.2	Vertical	AV	Pass

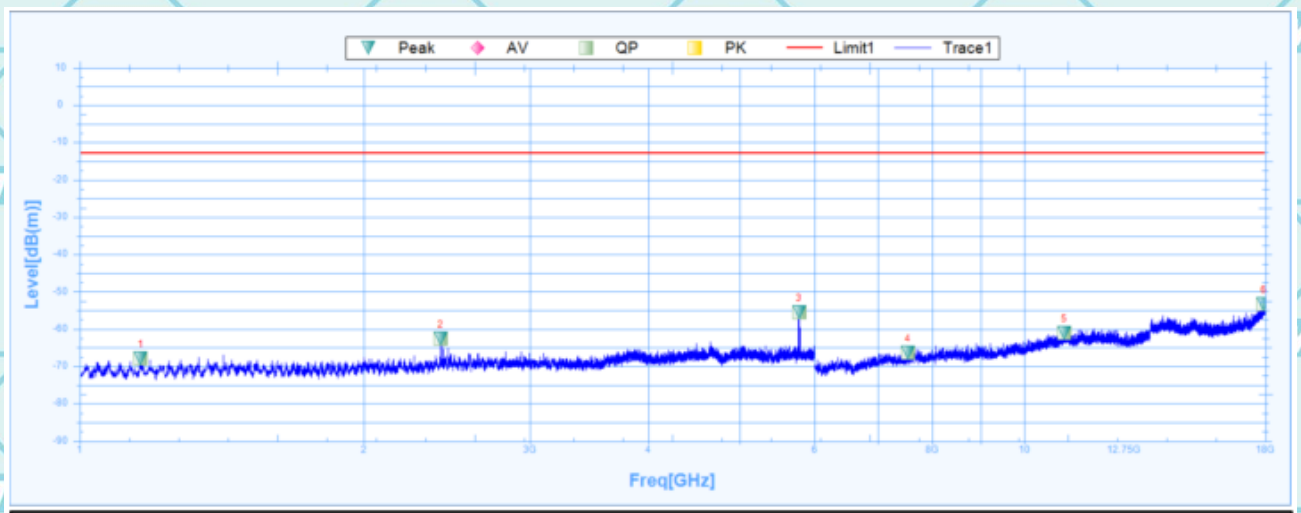
Band 12:
Horizontal:



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1250.0000	-67.43	24.58	-92.01	-13	-54.43	215.6	Horizontal	PK	Pass
1	1250.0000		24.58		54		215.6	Horizontal	AV	Pass
2	2479.3750	-66.61	27.53	-94.14	-13	-53.61	349.1	Horizontal	PK	Pass
2	2479.3750		27.53		54		349.1	Horizontal	AV	Pass
3	5743.1250	-45.79	32.39	-78.18	-13	-32.79	83	Horizontal	PK	Pass
3	5743.1250		32.39		54		83	Horizontal	AV	Pass
4	6394.5000	-67.29	4.56	-71.85	-13	-54.29	355	Horizontal	PK	Pass
4	6394.5000		4.56		54		355	Horizontal	AV	Pass
5	10717.5000	-60.45	14.63	-75.08	-13	-47.45	29.7	Horizontal	PK	Pass
5	10717.5000		14.63		54		29.7	Horizontal	AV	Pass
6	17931.0000	-53.56	23.46	-77.02	-13	-40.56	175.5	Horizontal	PK	Pass
6	17931.0000		23.46		54		175.5	Horizontal	AV	Pass

Vertical:

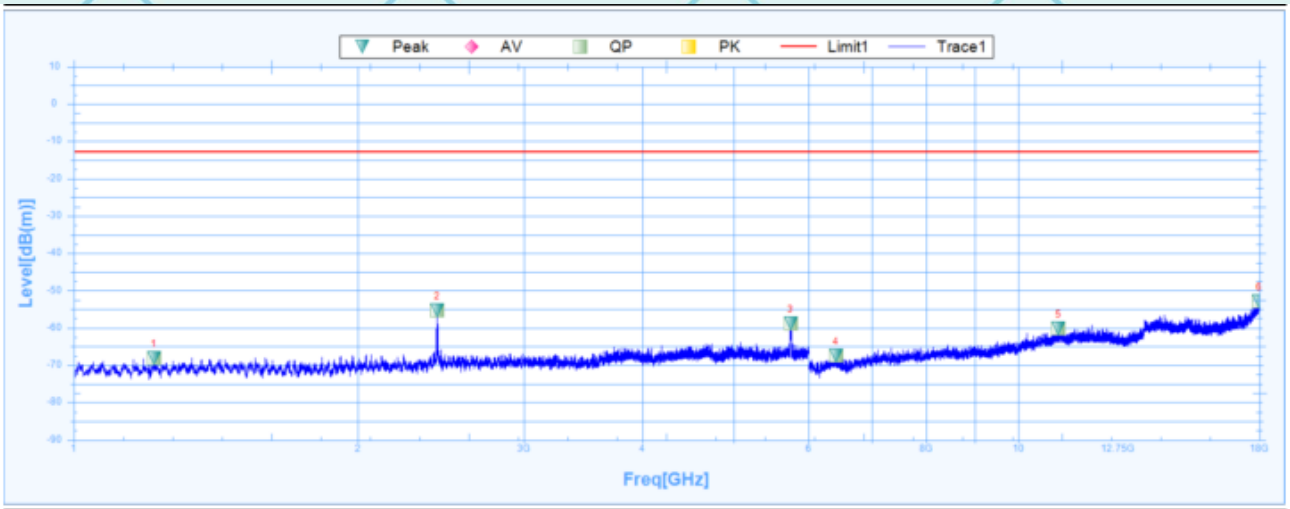


Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1160.6250	-68	24.38	-92.38	-13	-55	0.5	Vertical	PK	Pass
1	1160.6250		24.38		54		0.5	Vertical	AV	Pass
2	2411.2500	-62.6	27.3	-89.9	-13	-49.6	244.3	Vertical	PK	Pass
2	2411.2500		27.3		54		244.3	Vertical	AV	Pass
3	5778.1250	-55.53	32.44	-87.97	-13	-42.53	332.8	Vertical	PK	Pass
3	5778.1250		32.44		54		332.8	Vertical	AV	Pass
4	7533.0000	-66.32	7.66	-73.98	-13	-53.32	323.7	Vertical	PK	Pass
4	7533.0000		7.66		54		323.7	Vertical	AV	Pass
5	11028.0000	-61.04	15.7	-76.74	-13	-48.04	330.9	Vertical	PK	Pass
5	11028.0000		15.7		54		330.9	Vertical	AV	Pass
6	17931.0000	-53.38	23.46	-76.84	-13	-40.38	0	Vertical	PK	Pass
6	17931.0000		23.46		54		0	Vertical	AV	Pass

Band 17:

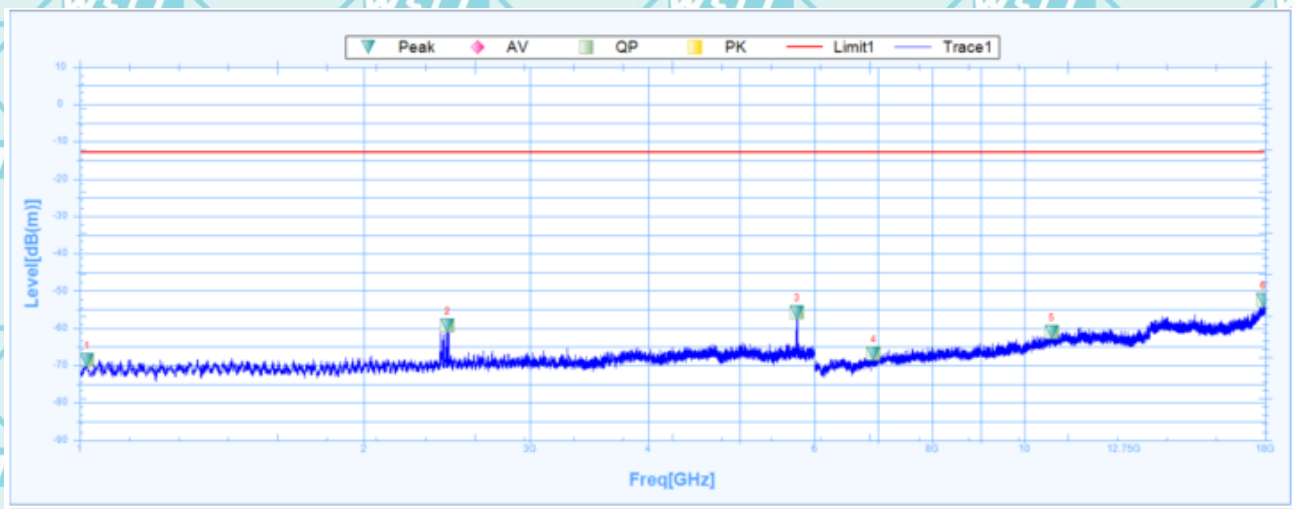
Horizontal:



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1215.6250	-68.13	24.45	-92.58	-13	-55.13	48.3	Horizontal	PK	Pass
1	1215.6250		24.45		54		48.3	Horizontal	AV	Pass
2	2426.2500	-55.3	27.35	-82.65	-13	-42.3	352.1	Horizontal	PK	Pass
2	2426.2500		27.35		54		352.1	Horizontal	AV	Pass
3	5741.8750	-58.92	32.39	-91.31	-13	-45.92	153.5	Horizontal	PK	Pass
3	5741.8750		32.39		54		153.5	Horizontal	AV	Pass
4	6412.5000	-67.51	33.91	-101.42	-13	-54.51	330.8	Horizontal	PK	Pass
4	6412.5000		33.91		54		330.8	Horizontal	AV	Pass
5	11034.0000	-60.23	39.47	-99.7	-13	-47.23	359.5	Horizontal	PK	Pass
5	11034.0000		39.47		54		359.5	Horizontal	AV	Pass
6	17991.0000	-52.79	46.44	-99.23	-13	-39.79	356.2	Horizontal	PK	Pass
6	17991.0000		46.44		54		356.2	Horizontal	AV	Pass

Vertical:



Susputed Data List

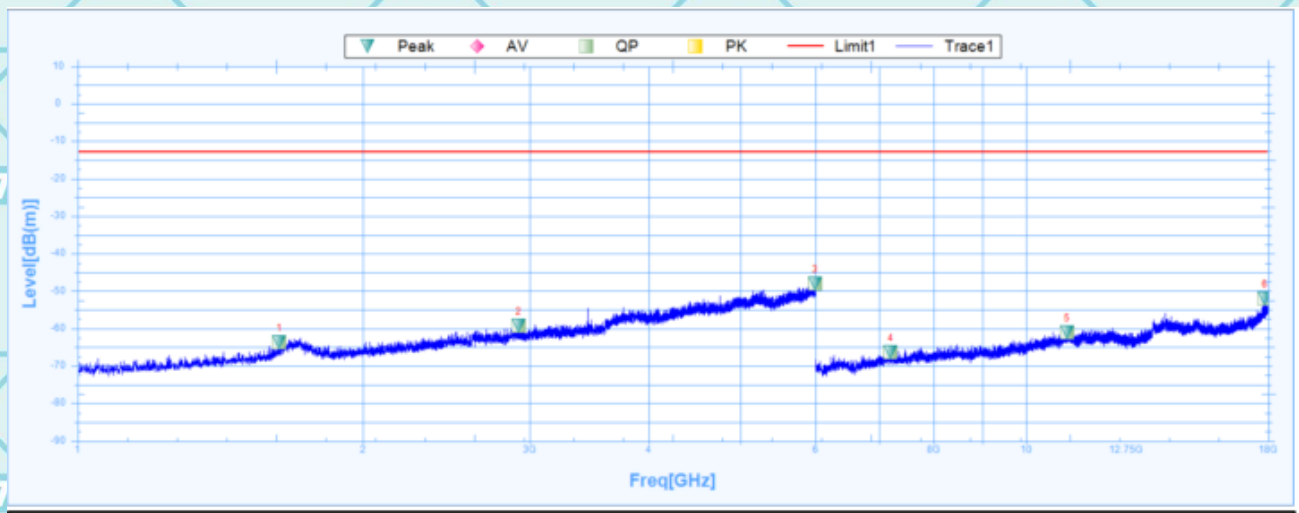
NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1018.1250	-68.54	24.31	-92.85	-13	-55.54	315	Vertical	PK	Pass
1	1018.1250		24.31		54		315	Vertical	AV	Pass
2	2452.5000	-59.3	27.44	-86.74	-13	-46.3	154.7	Vertical	PK	Pass
2	2452.5000		27.44		54		154.7	Vertical	AV	Pass
3	5751.2500	-55.85	32.4	-88.25	-13	-42.85	121.3	Vertical	PK	Pass
3	5751.2500		32.4		54		121.3	Vertical	AV	Pass
4	6928.5000	-66.86	6.12	-72.98	-13	-53.86	281.8	Vertical	PK	Pass
4	6928.5000		6.12		54		281.8	Vertical	AV	Pass
5	10696.5000	-61.13	14.6	-75.73	-13	-48.13	307	Vertical	PK	Pass
5	10696.5000		14.6		54		307	Vertical	AV	Pass
6	17913.0000	-52.45	23.34	-75.79	-13	-39.45	307	Vertical	PK	Pass
6	17913.0000		23.34		54		307	Vertical	AV	Pass

Band 38:
Horizontal:

Susputed Data List

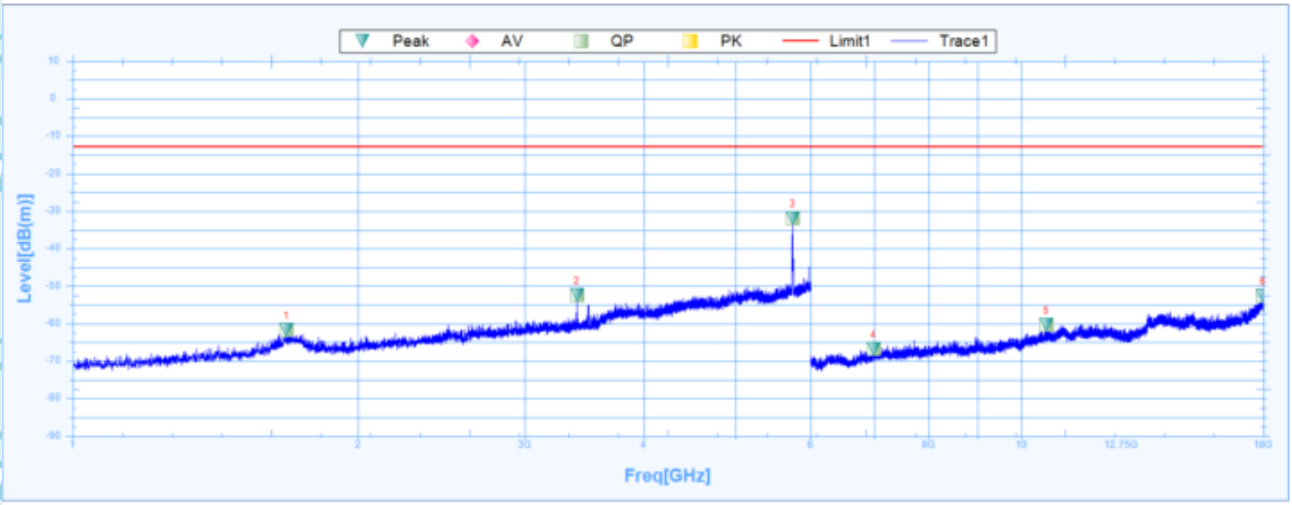
NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1710.6250	-61.69	4.93	-66.62	-13	-48.69	190.6	Horizontal	PK	Pass
1	1710.6250		4.93		54		190.6	Horizontal	AV	Pass
2	3020.6250	-59.38	8.77	-68.15	-13	-46.38	321	Horizontal	PK	Pass
2	3020.6250		8.77		54		321	Horizontal	AV	Pass
3	5750.0000	-33.69	20.86	-54.55	-13	-20.69	360.1	Horizontal	PK	Pass
3	5750.0000		20.86		54		360.1	Horizontal	AV	Pass
4	6759.0000	-66.66	34.85	-101.51	-13	-53.66	330.8	Horizontal	PK	Pass
4	6759.0000		34.85		54		330.8	Horizontal	AV	Pass
5	11091.0000	-60.61	39.42	-100.03	-13	-47.61	-0.1	Horizontal	PK	Pass
5	11091.0000		39.42		54		-0.1	Horizontal	AV	Pass
6	17979.0000	-53.68	46.36	-100.04	-13	-40.68	-0.1	Horizontal	PK	Pass
6	17979.0000		46.36		54		-0.1	Horizontal	AV	Pass

Vertical:



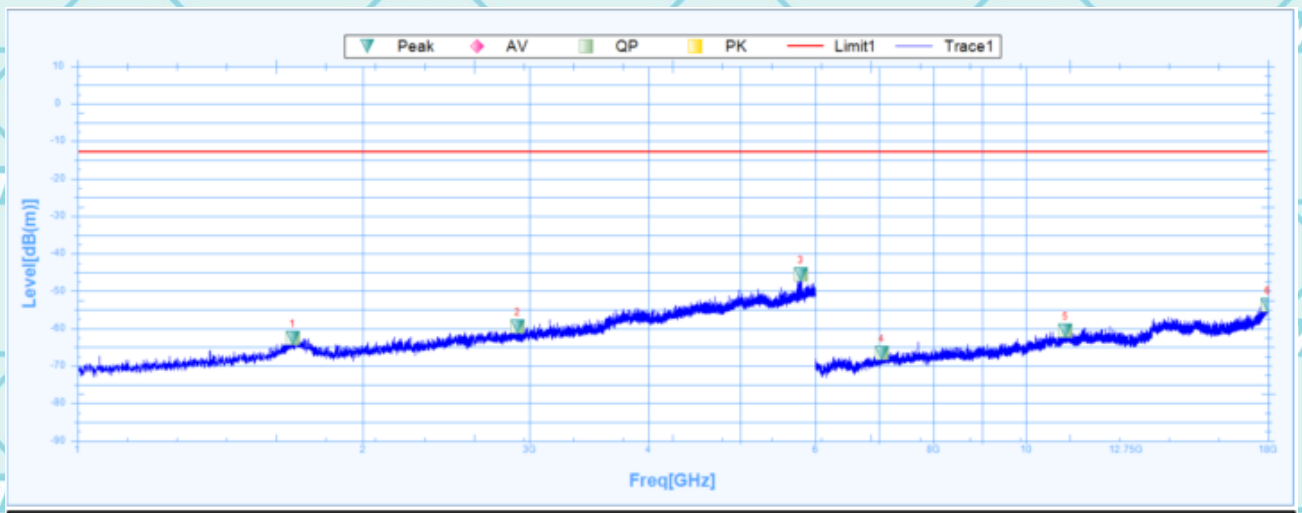
Susputed Data List										
NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1631.8750	-63.74	24.92	-88.66	-13	-50.74	227.5	Vertical	PK	Pass
1	1631.8750		24.92		54		227.5	Vertical	AV	Pass
2	2918.1250	-59.32	28.1	-87.42	-13	-46.32	307.6	Vertical	PK	Pass
2	2918.1250		28.1		54		307.6	Vertical	AV	Pass
3	5995.6250	-48.08	32.79	-80.87	-13	-35.08	125.8	Vertical	PK	Pass
3	5995.6250		32.79		54		125.8	Vertical	AV	Pass
4	7200.0000	-66.29	7.01	-73.3	-13	-53.29	359.5	Vertical	PK	Pass
4	7200.0000		7.01		54		359.5	Vertical	AV	Pass
5	11049.0000	-60.97	15.78	-76.75	-13	-47.97	359	Vertical	PK	Pass
5	11049.0000		15.78		54		359	Vertical	AV	Pass
6	17857.5000	-51.98	22.99	-74.97	-13	-38.98	42.9	Vertical	PK	Pass
6	17857.5000		22.99		54		42.9	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	1680.0000	-61.63	24.94	-86.57	-13	-48.63	148.8	Horizontal	PK	Pass
1	1680.0000		24.94		54		148.8	Horizontal	AV	Pass
2	3401.8750	-52.44	28.44	-80.88	-13	-39.44	360.1	Horizontal	PK	Pass
2	3401.8750		28.44		54		360.1	Horizontal	AV	Pass
3	5746.8750	-31.96	32.39	-64.35	-13	-18.96	219.3	Horizontal	PK	Pass
3	5746.8750		32.39		54		219.3	Horizontal	AV	Pass
4	6990.0000	-66.84	6.32	-73.16	-13	-53.84	0.2	Horizontal	PK	Pass
4	6990.0000		6.32		54		0.2	Horizontal	AV	Pass
5	10635.0000	-60.4	14.45	-74.85	-13	-47.4	106.1	Horizontal	PK	Pass
5	10635.0000		14.45		54		106.1	Horizontal	AV	Pass
6	17994.0000	-52.73	23.89	-76.62	-13	-39.73	133.5	Horizontal	PK	Pass
6	17994.0000		23.89		54		133.5	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	1685.6250	-62.64	24.94	-87.58	-13	-49.64	26.9	Vertical	PK	Pass
1	1685.6250		24.94		54		26.9	Vertical	AV	Pass
2	2911.2500	-59.45	28.09	-87.54	-13	-46.45	179.8	Vertical	PK	Pass
2	2911.2500		28.09		54		179.8	Vertical	AV	Pass
3	5790.6250	-45.59	32.46	-78.05	-13	-32.59	360.1	Vertical	PK	Pass
3	5790.6250		32.46		54		360.1	Vertical	AV	Pass
4	7047.0000	-66.49	6.5	-72.99	-13	-53.49	304.6	Vertical	PK	Pass
4	7047.0000		6.5		54		304.6	Vertical	AV	Pass
5	11008.5000	-60.56	15.64	-76.2	-13	-47.56	228.1	Vertical	PK	Pass
5	11008.5000		15.64		54		228.1	Vertical	AV	Pass
6	17998.5000	-53.68	23.92	-77.6	-13	-40.68	13	Vertical	PK	Pass
6	17998.5000		23.92		54		13	Vertical	AV	Pass

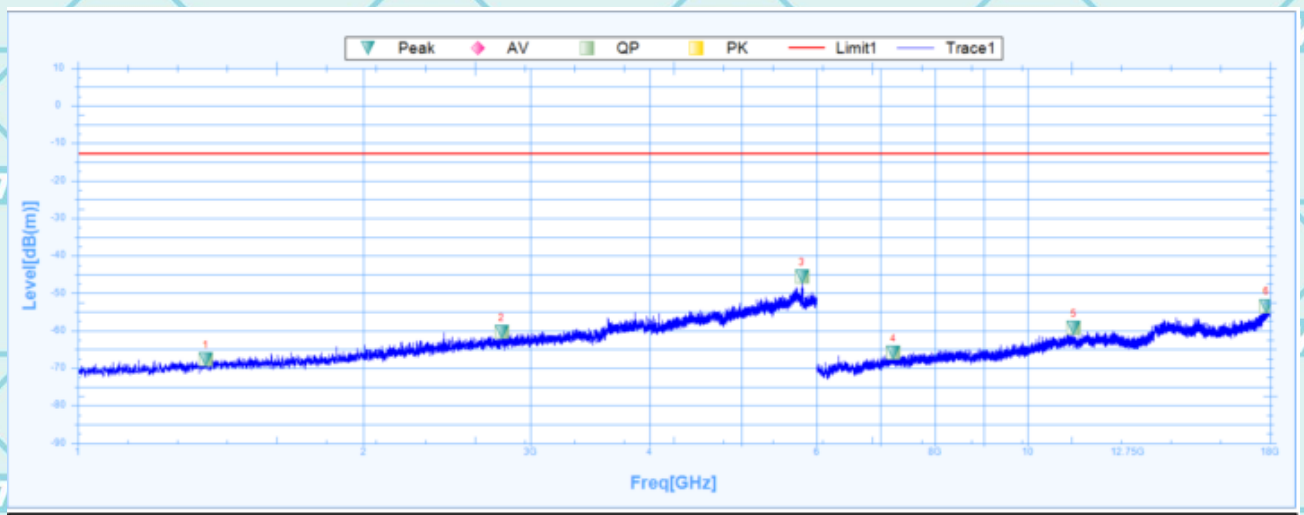
Band 42(3450-3550Mhz):

Horizontal:

Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1260.0000	-67.96	24.61	-92.57	-13	-54.96	338.6	Horizontal	PK	Pass
1	1260.0000		24.61		54		338.6	Horizontal	AV	Pass
2	2776.2500	-60.95	27.93	-88.88	-13	-47.95	76.9	Horizontal	PK	Pass
2	2776.2500		27.93		54		76.9	Horizontal	AV	Pass
3	5749.3750	-45.68	32.4	-78.08	-13	-32.68	237	Horizontal	PK	Pass
3	5749.3750		32.4		54		237	Horizontal	AV	Pass
4	6294.0000	-67.65	4.28	-71.93	-13	-54.65	164.7	Horizontal	PK	Pass
4	6294.0000		4.28		54		164.7	Horizontal	AV	Pass
5	10677.0000	-60.93	14.57	-75.5	-13	-47.93	0	Horizontal	PK	Pass
5	10677.0000		14.57		54		0	Horizontal	AV	Pass
6	17979.0000	-53.52	23.78	-77.3	-13	-40.52	355.4	Horizontal	PK	Pass
6	17979.0000		23.78		54		355.4	Horizontal	AV	Pass

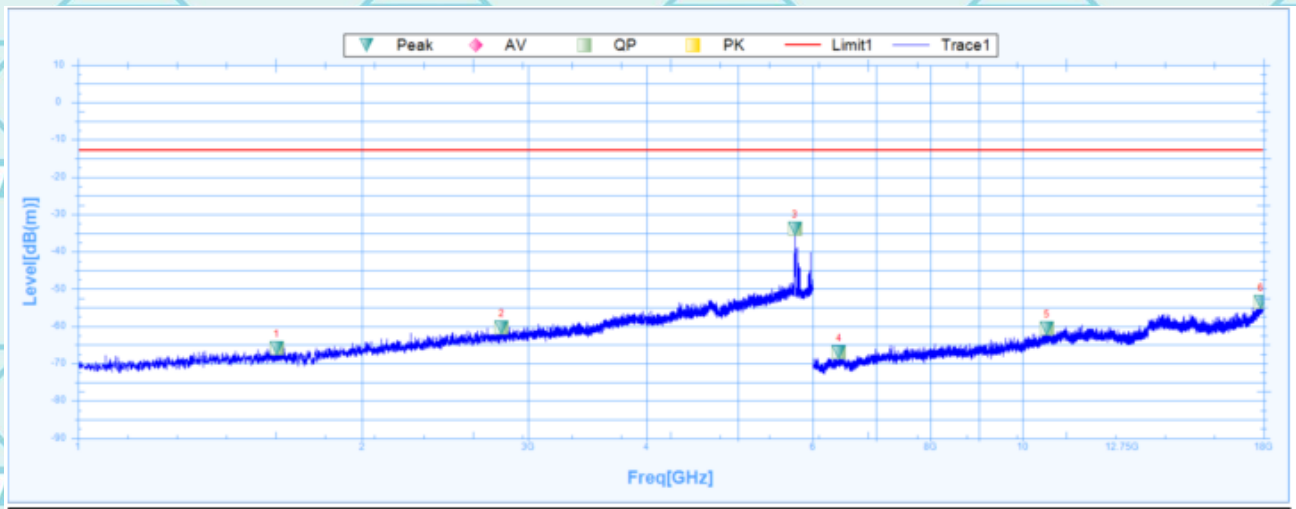
Vertical:



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1363.7500	-67.65	24.97	-92.62	-13	-54.65	246.6	Vertical	PK	Pass
1	1363.7500		24.97		54		246.6	Vertical	AV	Pass
2	2794.3750	-60.42	27.95	-88.37	-13	-47.42	359.9	Vertical	PK	Pass
2	2794.3750		27.95		54		359.9	Vertical	AV	Pass
3	5789.3750	-45.55	32.46	-78.01	-13	-32.55	50.6	Vertical	PK	Pass
3	5789.3750		32.46		54		50.6	Vertical	AV	Pass
4	7225.5000	-65.98	6.97	-72.95	-13	-52.98	358.2	Vertical	PK	Pass
4	7225.5000		6.97		54		358.2	Vertical	AV	Pass
5	11191.5000	-59.25	15.75	-75	-13	-46.25	309.3	Vertical	PK	Pass
5	11191.5000		15.75		54		309.3	Vertical	AV	Pass
6	17845.5000	-53.43	22.91	-76.34	-13	-40.43	318.8	Vertical	PK	Pass
6	17845.5000		22.91		54		318.8	Vertical	AV	Pass

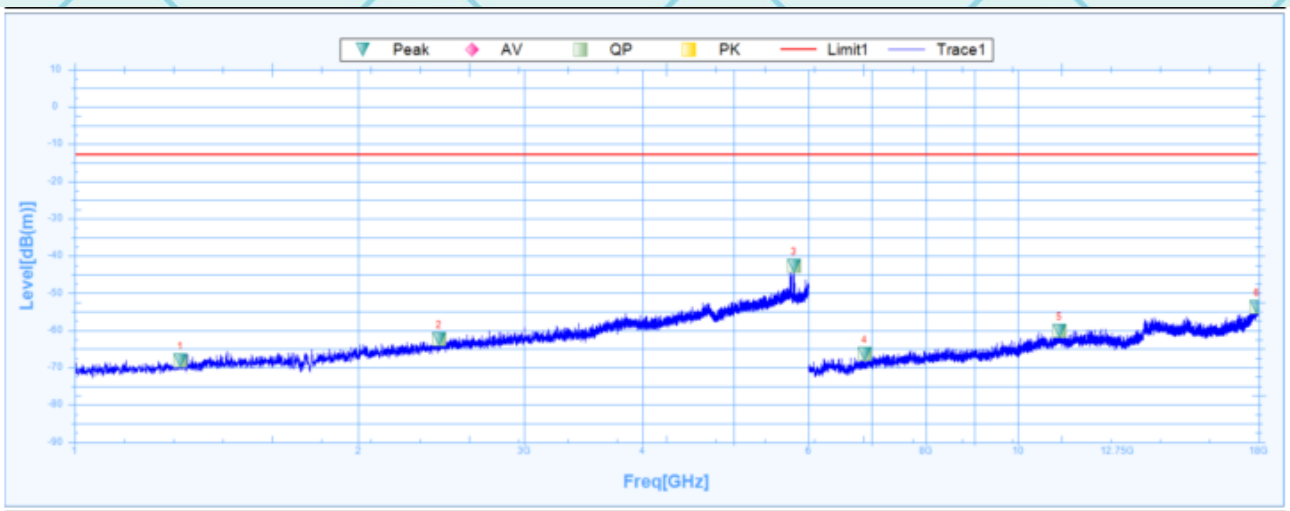
Band 66:
Horizontal:



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1623.1250	-65.89	24.91	-90.8	-13	-52.89	271.8	Horizontal	PK	Pass
1	1623.1250		24.91		54		271.8	Horizontal	AV	Pass
2	2810.6250	-60.32	27.97	-88.29	-13	-47.32	115.3	Horizontal	PK	Pass
2	2810.6250		27.97		54		115.3	Horizontal	AV	Pass
3	5745.6250	-33.98	32.39	-66.37	-13	-20.98	115.3	Horizontal	PK	Pass
3	5745.6250		32.39		54		115.3	Horizontal	AV	Pass
4	6397.5000	-66.93	4.55	-71.48	-13	-53.93	22.5	Horizontal	PK	Pass
4	6397.5000		4.55		54		22.5	Horizontal	AV	Pass
5	10620.0000	-60.65	14.4	-75.05	-13	-47.65	22.5	Horizontal	PK	Pass
5	10620.0000		14.4		54		22.5	Horizontal	AV	Pass
6	17886.0000	-53.62	23.17	-76.79	-13	-40.62	-0.1	Horizontal	PK	Pass
6	17886.0000		23.17		54		-0.1	Horizontal	AV	Pass

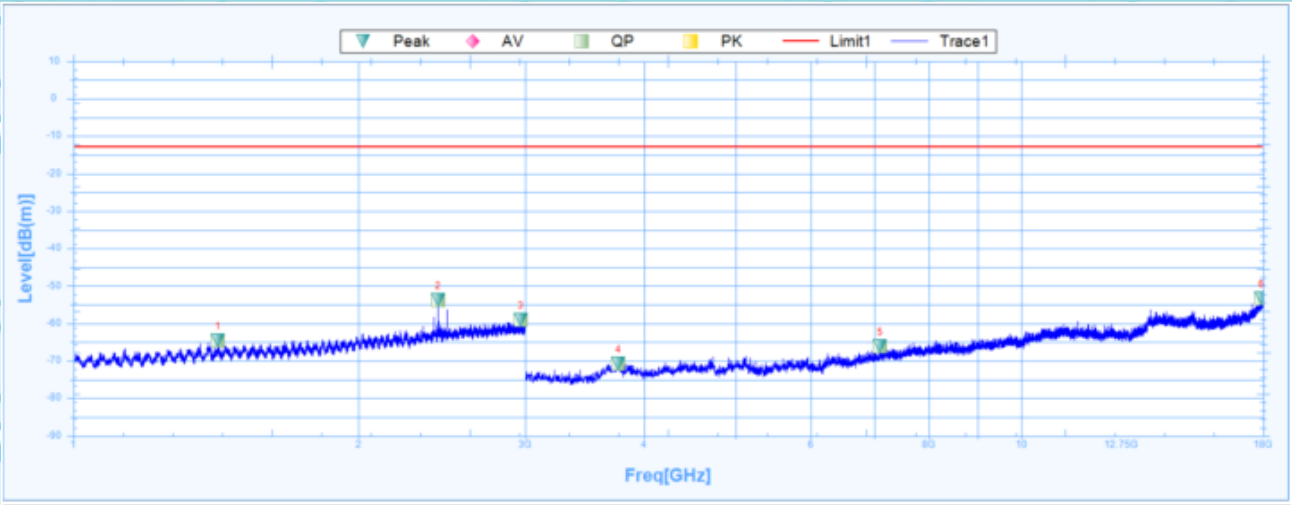
Vertical:



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1294.3750	-68.04	24.73	-92.77	-13	-55.04	18.2	Vertical	PK	Pass
1	1294.3750		24.73		54		18.2	Vertical	AV	Pass
2	2434.3750	-62.46	27.38	-89.84	-13	-49.46	0.7	Vertical	PK	Pass
2	2434.3750		27.38		54		0.7	Vertical	AV	Pass
3	5791.8750	-42.64	32.47	-75.11	-13	-29.64	126	Vertical	PK	Pass
3	5791.8750		32.47		54		126	Vertical	AV	Pass
4	6880.5000	-66.28	5.95	-72.23	-13	-53.28	-0.1	Vertical	PK	Pass
4	6880.5000		5.95		54		-0.1	Vertical	AV	Pass
5	11067.0000	-60.27	15.83	-76.1	-13	-47.27	48.7	Vertical	PK	Pass
5	11067.0000		15.83		54		48.7	Vertical	AV	Pass
6	17931.0000	-53.69	23.46	-77.15	-13	-40.69	119.2	Vertical	PK	Pass
6	17931.0000		23.46		54		119.2	Vertical	AV	Pass

NR Bands
n5:
Horizontal：



Susputed Data List

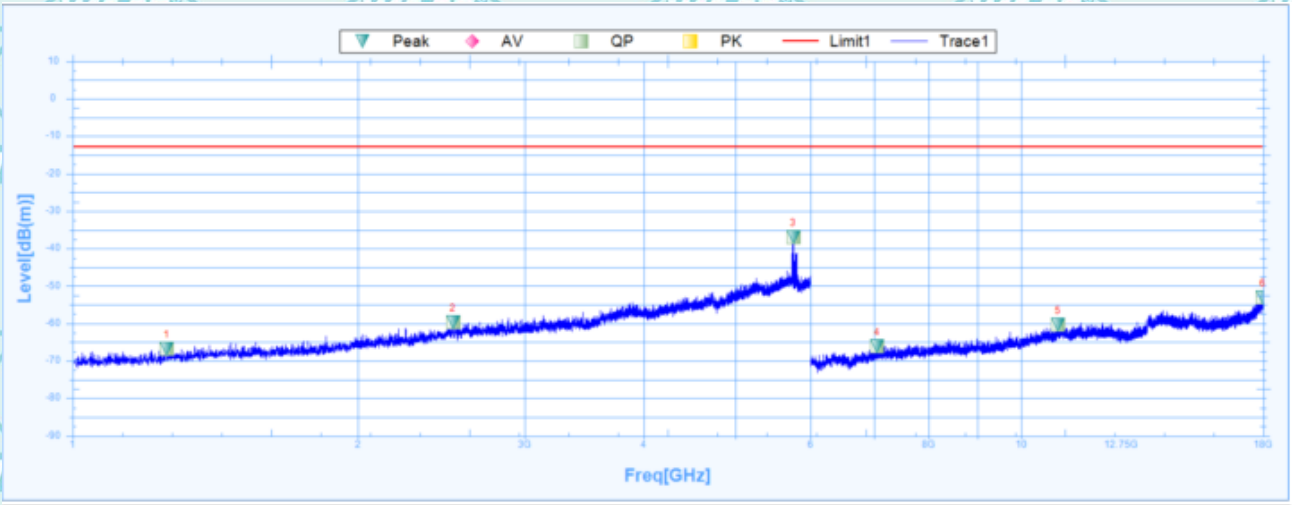
NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1421.0000	-64.6	25.08	-89.68	-13	-51.6	294.6	Horizontal	PK	Pass
1	1421.0000		25.08		54		294.6	Horizontal	AV	Pass
2	2426.5000	-53.77	27.35	-81.12	-13	-40.77	92.6	Horizontal	PK	Pass
2	2426.5000		27.35		54		92.6	Horizontal	AV	Pass
3	2966.2500	-59.12	28.16	-87.28	-13	-46.12	0.5	Horizontal	PK	Pass
3	2966.2500		28.16		54		0.5	Horizontal	AV	Pass
4	3759.3750	-70.71	-3.1	-67.61	-13	-57.71	359.5	Horizontal	PK	Pass
4	3759.3750		-3.1		54		359.5	Horizontal	AV	Pass
5	7100.6250	-66.22	6.35	-72.57	-13	-53.22	333.3	Horizontal	PK	Pass
5	7100.6250		6.35		54		333.3	Horizontal	AV	Pass
6	17930.6250	-53.33	23.46	-76.79	-13	-40.33	93	Horizontal	PK	Pass
6	17930.6250		23.46		54		93	Horizontal	AV	Pass

Vertical：

Susputed Data List

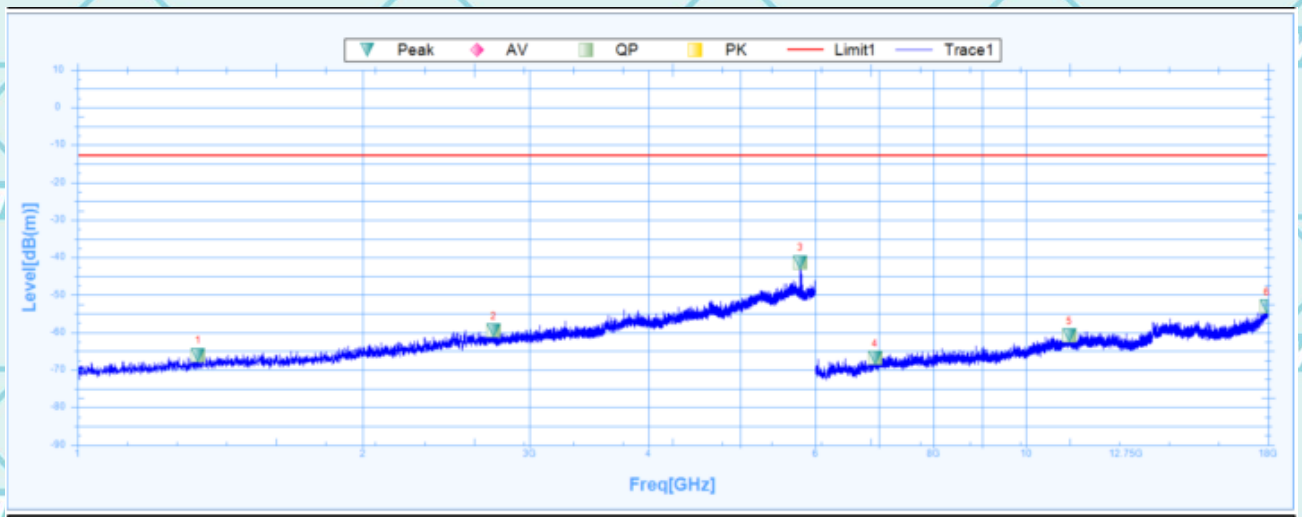
NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1103.2500	-66.46	24.35	-90.81	-13	-53.46	0.5	Vertical	PK	Pass
1	1103.2500		24.35		54		0.5	Vertical	AV	Pass
2	1796.5000	-64.54	25	-89.54	-13	-51.54	360.1	Vertical	PK	Pass
2	1796.5000		25		54		360.1	Vertical	AV	Pass
3	2426.5000	-52.9	27.35	-80.25	-13	-39.9	228.8	Vertical	PK	Pass
3	2426.5000		27.35		54		228.8	Vertical	AV	Pass
4	3817.5000	-78.4	-3.14	-75.26	-13	-65.4	103.4	Vertical	PK	Pass
4	3817.5000		-3.14		54		103.4	Vertical	AV	Pass
5	8197.5000	-68.49	8.82	-77.31	-13	-55.49	360.1	Vertical	PK	Pass
5	8197.5000		8.82		54		360.1	Vertical	AV	Pass
6	17979.3750	-53.23	23.78	-77.01	-13	-40.23	124.8	Vertical	PK	Pass
6	17979.3750		23.78		54		124.8	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	1256.2500	-66.86	24.6	-91.46	-13	-53.86	279.4	Horizontal	PK	Pass
1	1256.2500		24.6		54		279.4	Horizontal	AV	Pass
2	2517.5000	-59.69	27.62	-87.31	-13	-46.69	-0.1	Horizontal	PK	Pass
2	2517.5000		27.62		54		-0.1	Horizontal	AV	Pass
3	5752.5000	-37.08	32.4	-69.48	-13	-24.08	64.2	Horizontal	PK	Pass
3	5752.5000		32.4		54		64.2	Horizontal	AV	Pass
4	7054.5000	-66.19	6.53	-72.72	-13	-53.19	181	Horizontal	PK	Pass
4	7054.5000		6.53		54		181	Horizontal	AV	Pass
5	10941.0000	-60.34	15.29	-75.63	-13	-47.34	303	Horizontal	PK	Pass
5	10941.0000		15.29		54		303	Horizontal	AV	Pass
6	17986.5000	-53.11	23.83	-76.94	-13	-40.11	277.8	Horizontal	PK	Pass
6	17986.5000		23.83		54		277.8	Horizontal	AV	Pass

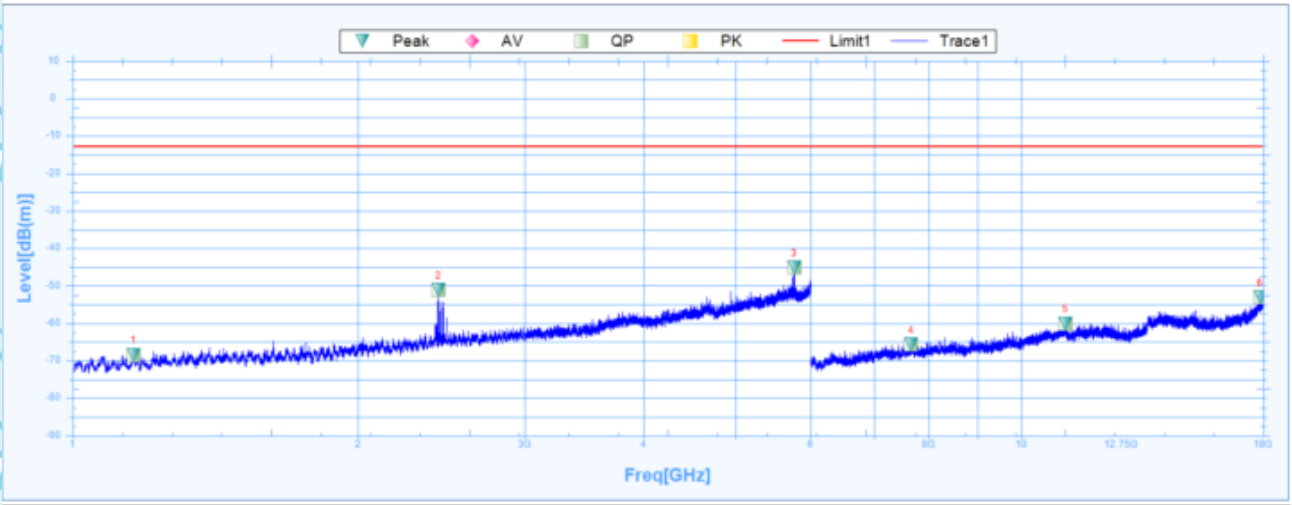
Vertical：



Susputed Data List

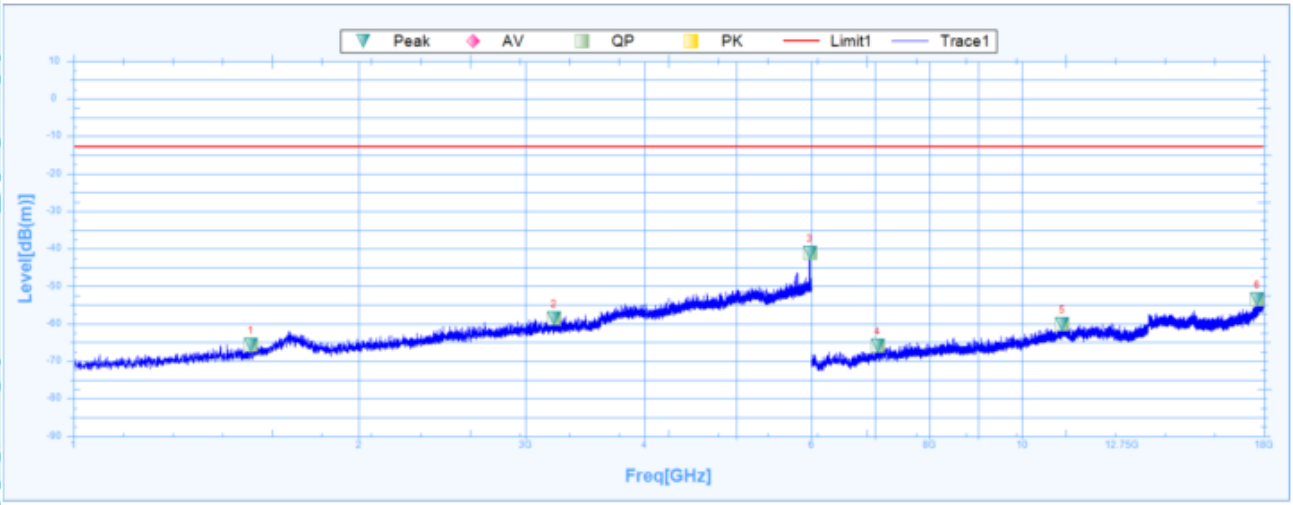
NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1340.6250	-66.03	24.89	-90.92	-13	-53.03	181.4	Vertical	PK	Pass
1	1340.6250		24.89		54		181.4	Vertical	AV	Pass
2	2747.5000	-59.42	27.9	-87.32	-13	-46.42	222.1	Vertical	PK	Pass
2	2747.5000		27.9		54		222.1	Vertical	AV	Pass
3	5786.8750	-41.29	32.46	-73.75	-13	-28.29	284.2	Vertical	PK	Pass
3	5786.8750		32.46		54		284.2	Vertical	AV	Pass
4	6933.0000	-66.82	6.14	-72.96	-13	-53.82	17.3	Vertical	PK	Pass
4	6933.0000		6.14		54		17.3	Vertical	AV	Pass
5	11116.5000	-60.8	15.86	-76.66	-13	-47.8	18.2	Vertical	PK	Pass
5	11116.5000		15.86		54		18.2	Vertical	AV	Pass
6	17955.0000	-53.04	23.61	-76.65	-13	-40.04	360.1	Vertical	PK	Pass
6	17955.0000		23.61		54		360.1	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	1159.3750	-68.46	24.38	-92.84	-13	-55.46	16.4	Horizontal	PK	Pass
1	1159.3750		24.38		54		16.4	Horizontal	AV	Pass
2	2431.2500	-51.12	27.37	-78.49	-13	-38.12	106.1	Horizontal	PK	Pass
2	2431.2500		27.37		54		106.1	Horizontal	AV	Pass
3	5766.8750	-45.18	32.43	-77.61	-13	-32.18	198.1	Horizontal	PK	Pass
3	5766.8750		32.43		54		198.1	Horizontal	AV	Pass
4	7660.5000	-65.66	7.96	-73.62	-13	-52.66	354.4	Horizontal	PK	Pass
4	7660.5000		7.96		54		354.4	Horizontal	AV	Pass
5	11140.5000	-60.06	15.82	-75.88	-13	-47.06	133.1	Horizontal	PK	Pass
5	11140.5000		15.82		54		133.1	Horizontal	AV	Pass
6	17865.0000	-53.03	23.04	-76.07	-13	-40.03	48.2	Horizontal	PK	Pass
6	17865.0000		23.04		54		48.2	Horizontal	AV	Pass

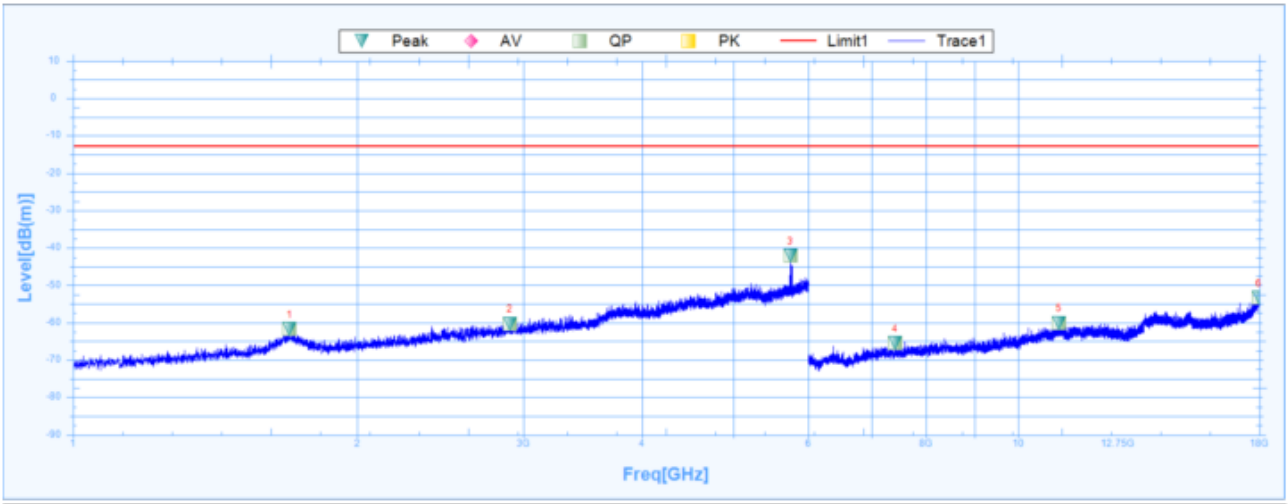
Vertical：



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1538.1250	-65.71	24.96	-90.67	-13	-52.71	291.4	Vertical	PK	Pass
1	1538.1250		24.96		54		291.4	Vertical	AV	Pass
2	3212.5000	-58.67	28.33	-87	-13	-45.67	112	Vertical	PK	Pass
2	3212.5000		28.33		54		112	Vertical	AV	Pass
3	5978.7500	-41.24	32.77	-74.01	-13	-28.24	185	Vertical	PK	Pass
3	5978.7500		32.77		54		185	Vertical	AV	Pass
4	7045.5000	-65.82	6.5	-72.32	-13	-52.82	16.5	Vertical	PK	Pass
4	7045.5000		6.5		54		16.5	Vertical	AV	Pass
5	11032.5000	-60.25	15.72	-75.97	-13	-47.25	63.8	Vertical	PK	Pass
5	11032.5000		15.72		54		63.8	Vertical	AV	Pass
6	17710.5000	-53.64	22.04	-75.68	-13	-40.64	0.4	Vertical	PK	Pass
6	17710.5000		22.04		54		0.4	Vertical	AV	Pass

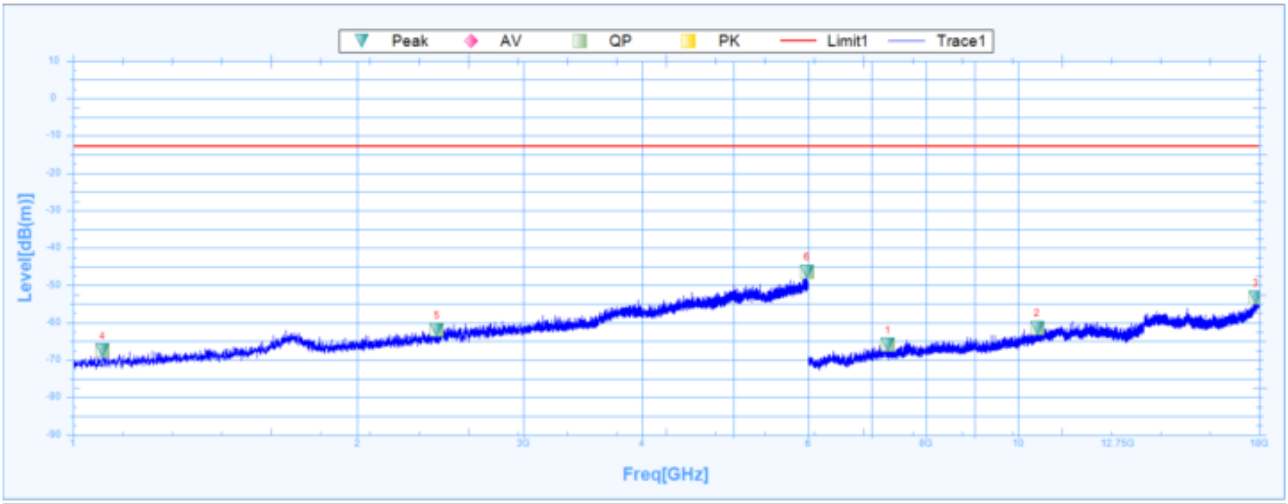
n38:
Horizontal：



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1695.0000	-61.66	24.95	-86.61	-13	-48.66	305.7	Horizontal	PK	Pass
1	1695.0000		24.95		54		305.7	Horizontal	AV	Pass
2	2899.3750	-60.28	28.08	-88.36	-13	-47.28	-0.1	Horizontal	PK	Pass
2	2899.3750		28.08		54		-0.1	Horizontal	AV	Pass
3	5745.0000	-42.12	32.39	-74.51	-13	-29.12	-0.1	Horizontal	PK	Pass
3	5745.0000		32.39		54		-0.1	Horizontal	AV	Pass
4	7414.5000	-65.53	7.21	-72.74	-13	-52.53	360.1	Horizontal	PK	Pass
4	7414.5000		7.21		54		360.1	Horizontal	AV	Pass
5	11052.0000	-60.07	15.78	-75.85	-13	-47.07	254	Horizontal	PK	Pass
5	11052.0000		15.78		54		254	Horizontal	AV	Pass
6	17980.5000	-53.36	23.79	-77.15	-13	-40.36	116.5	Horizontal	PK	Pass
6	17980.5000		23.79		54		116.5	Horizontal	AV	Pass

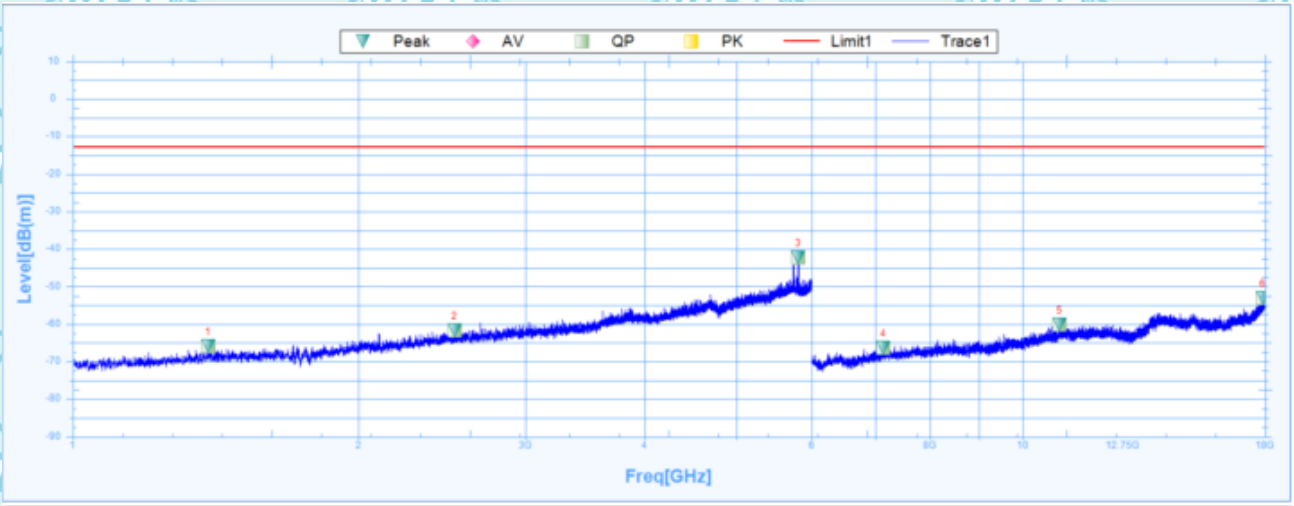
Vertical：



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1075.0000	-67.45	-2.25	-65.2	-13	-54.45	360	Vertical	PK	Pass
1	1075.0000		-2.25		54		360	Vertical	AV	Pass
2	2428.1250	-61.98	5.88	-67.86	-13	-48.98	69.8	Vertical	PK	Pass
2	2428.1250		5.88		54		69.8	Vertical	AV	Pass
3	5979.3750	-46.36	22.67	-69.03	-13	-33.36	161.8	Vertical	PK	Pass
3	5979.3750		22.67		54		161.8	Vertical	AV	Pass
4	7282.5000	-65.95	35.92	-101.87	-13	-52.95	322.4	Vertical	PK	Pass
4	7282.5000		35.92		54		322.4	Vertical	AV	Pass
5	10479.0000	-61.39	38.77	-100.16	-13	-48.39	81	Vertical	PK	Pass
5	10479.0000		38.77		54		81	Vertical	AV	Pass
6	17857.5000	-53.3	45.55	-98.85	-13	-40.3	4.8	Vertical	PK	Pass
6	17857.5000		45.55		54		4.8	Vertical	AV	Pass

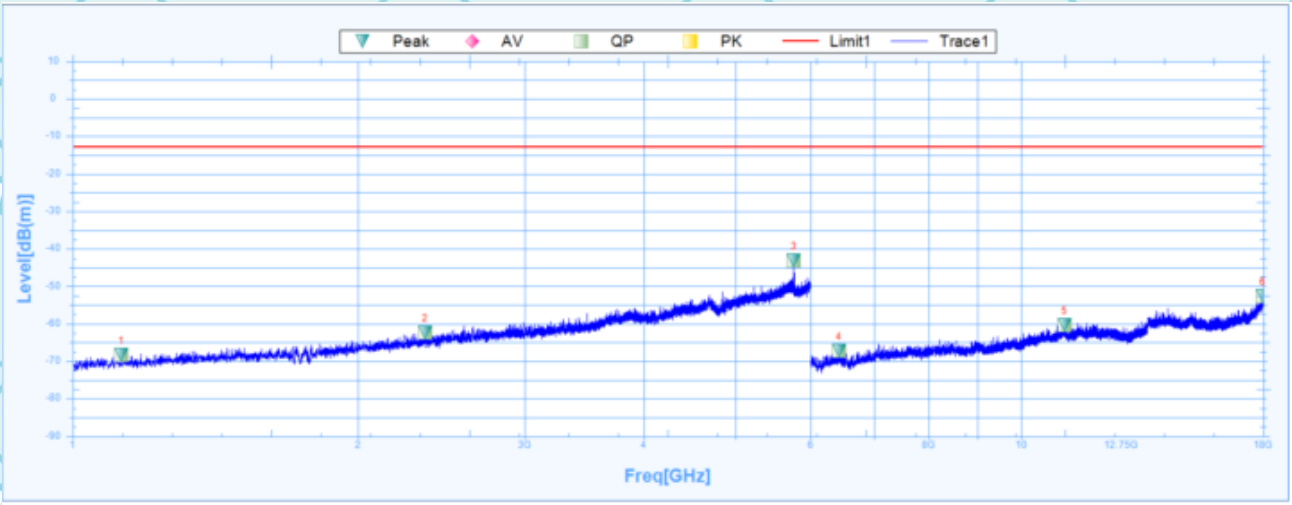
n41:
Horizontal：



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1388.7500	-65.93	25.06	-90.99	-13	-52.93	145.5	Horizontal	PK	Pass
1	1388.7500		25.06		54		145.5	Horizontal	AV	Pass
2	2524.3750	-61.77	27.63	-89.4	-13	-48.77	-0.1	Horizontal	PK	Pass
2	2524.3750		27.63		54		-0.1	Horizontal	AV	Pass
3	5810.0000	-42.24	32.5	-74.74	-13	-29.24	-0.1	Horizontal	PK	Pass
3	5810.0000		32.5		54		-0.1	Horizontal	AV	Pass
4	7140.0000	-66.32	6.91	-73.23	-13	-53.32	360	Horizontal	PK	Pass
4	7140.0000		6.91		54		360	Horizontal	AV	Pass
5	10944.0000	-60.21	15.3	-75.51	-13	-47.21	16.6	Horizontal	PK	Pass
5	10944.0000		15.3		54		16.6	Horizontal	AV	Pass
6	17904.0000	-53.16	23.29	-76.45	-13	-40.16	140.3	Horizontal	PK	Pass
6	17904.0000		23.29		54		140.3	Horizontal	AV	Pass

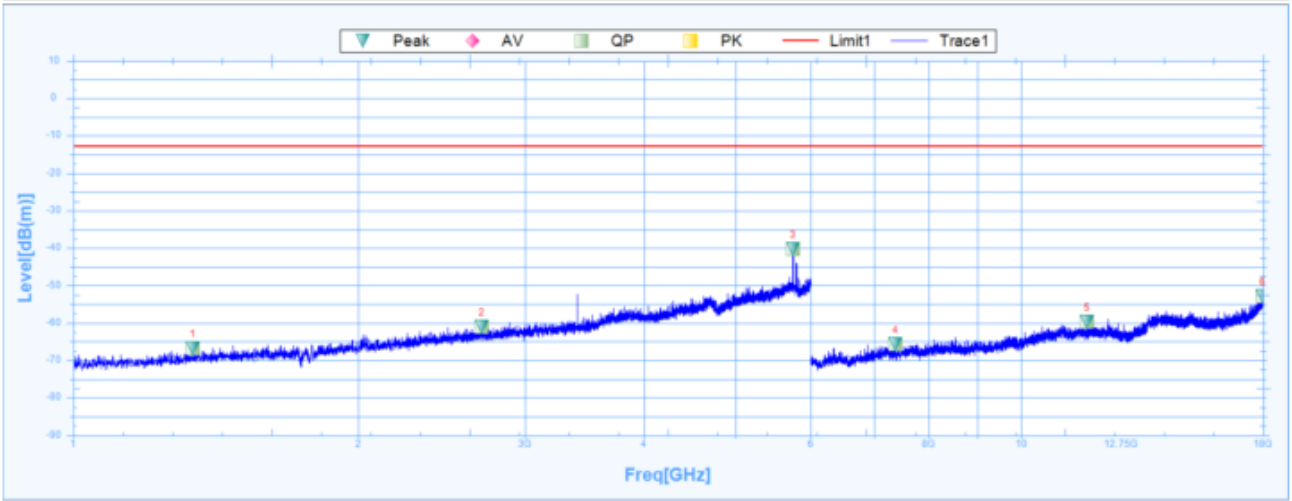
Vertical：



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1125.6250	-68.36	24.36	-92.72	-13	-55.36	52.2	Vertical	PK	Pass
1	1125.6250		24.36		54		52.2	Vertical	AV	Pass
2	2353.7500	-62.43	27.1	-89.53	-13	-49.43	315.3	Vertical	PK	Pass
2	2353.7500		27.1		54		315.3	Vertical	AV	Pass
3	5763.1250	-43.13	32.42	-75.55	-13	-30.13	42.7	Vertical	PK	Pass
3	5763.1250		32.42		54		42.7	Vertical	AV	Pass
4	6427.5000	-67.17	4.59	-71.76	-13	-54.17	40	Vertical	PK	Pass
4	6427.5000		4.59		54		40	Vertical	AV	Pass
5	11112.0000	-60.46	15.86	-76.32	-13	-47.46	196.6	Vertical	PK	Pass
5	11112.0000		15.86		54		196.6	Vertical	AV	Pass
6	17986.5000	-52.76	23.83	-76.59	-13	-39.76	212.1	Vertical	PK	Pass
6	17986.5000		23.83		54		212.1	Vertical	AV	Pass

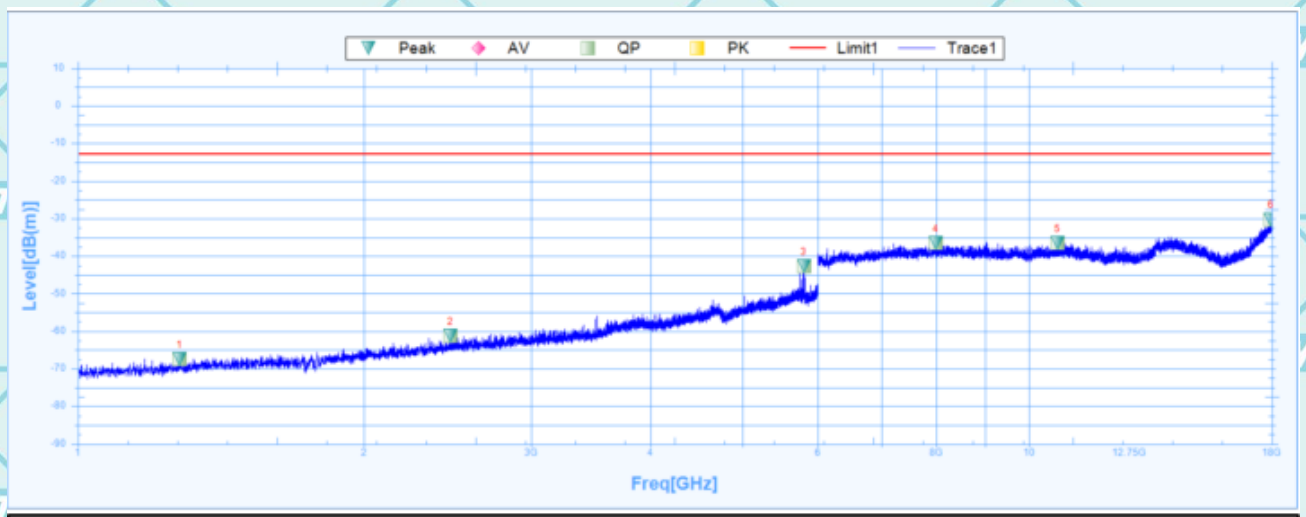
n66:
Horizontal：



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1337.5000	-66.87	-0.71	-66.16	-13	-53.87	127.6	Horizontal	PK	Pass
1	1337.5000		-0.71		54		127.6	Horizontal	AV	Pass
2	2700.0000	-61.04	6.75	-67.79	-13	-48.04	0	Horizontal	PK	Pass
2	2700.0000		6.75		54		0	Horizontal	AV	Pass
3	5751.2500	-40.35	21.62	-61.97	-13	-27.35	254.4	Horizontal	PK	Pass
3	5751.2500		21.62		54		254.4	Horizontal	AV	Pass
4	7374.0000	-65.78	36.06	-101.84	-13	-52.78	172.6	Horizontal	PK	Pass
4	7374.0000		36.06		54		172.6	Horizontal	AV	Pass
5	11745.0000	-59.65	38.83	-98.48	-13	-46.65	160.6	Horizontal	PK	Pass
5	11745.0000		38.83		54		160.6	Horizontal	AV	Pass
6	17989.5000	-52.93	46.43	-99.36	-13	-39.93	143.9	Horizontal	PK	Pass
6	17989.5000		46.43		54		143.9	Horizontal	AV	Pass

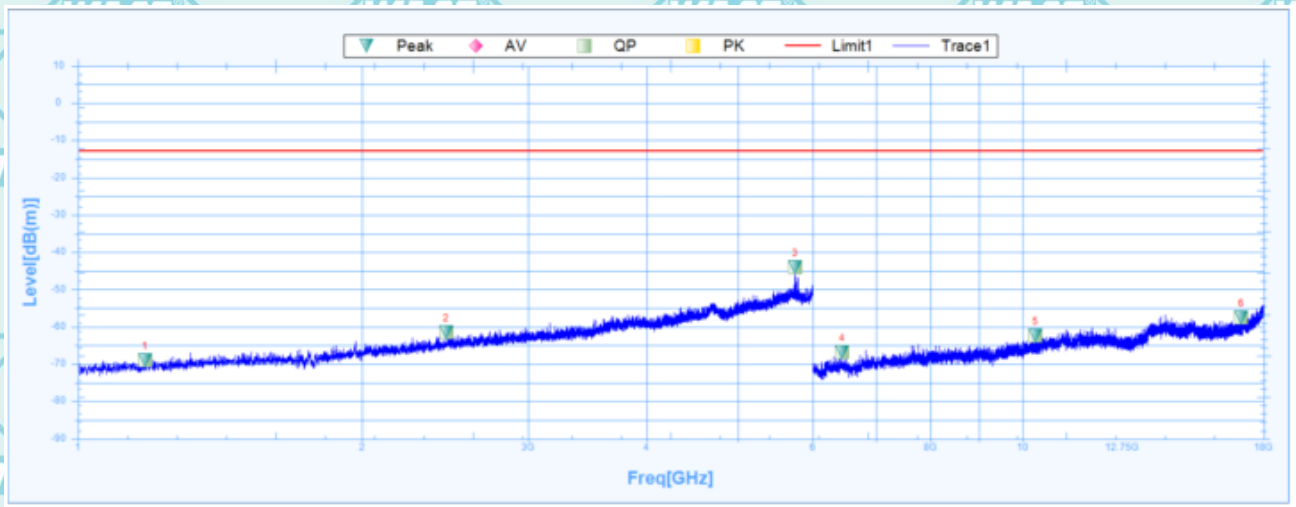
Vertical：



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1278.7500	-67.43	24.68	-92.11	-13	-54.43	201.8	Vertical	PK	Pass
1	1278.7500		24.68		54		201.8	Vertical	AV	Pass
2	2466.2500	-61.26	27.49	-88.75	-13	-48.26	295.1	Vertical	PK	Pass
2	2466.2500		27.49		54		295.1	Vertical	AV	Pass
3	5798.7500	-42.81	32.48	-75.29	-13	-29.81	0.1	Vertical	PK	Pass
3	5798.7500		32.48		54		0.1	Vertical	AV	Pass
4	7981.5000	-36.58	8.22	-44.8	-13	-23.58	154.7	Vertical	PK	Pass
4	7981.5000		8.22		54		154.7	Vertical	AV	Pass
5	10720.5000	-36.5	14.64	-51.14	-13	-23.5	315	Vertical	PK	Pass
5	10720.5000		14.64		54		315	Vertical	AV	Pass
6	17967.0000	-30.24	23.7	-53.94	-13	-17.24	1	Vertical	PK	Pass
6	17967.0000		23.7		54		1	Vertical	AV	Pass

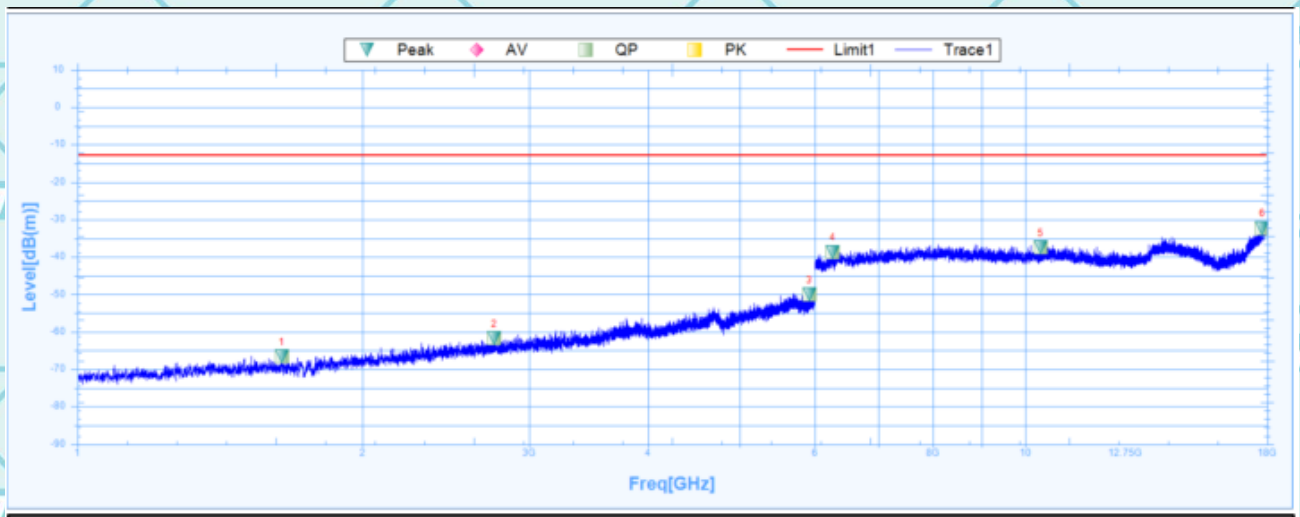
n77(3450-3550Mhz):
Horizontal：



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1177.5000	-69.07	24.39	-93.46	-13	-56.07	359.5	Horizontal	PK	Pass
1	1177.5000		24.39		54		359.5	Horizontal	AV	Pass
2	2455.0000	-61.56	27.45	-89.01	-13	-48.56	133.5	Horizontal	PK	Pass
2	2455.0000		27.45		54		133.5	Horizontal	AV	Pass
3	5749.3750	-44.04	32.4	-76.44	-13	-31.04	318.9	Horizontal	PK	Pass
3	5749.3750		32.4		54		318.9	Horizontal	AV	Pass
4	6447.0000	-66.88	4.63	-71.51	-13	-53.88	318.5	Horizontal	PK	Pass
4	6447.0000		4.63		54		318.5	Horizontal	AV	Pass
5	10326.0000	-62.3	13.37	-75.67	-13	-49.3	358.6	Horizontal	PK	Pass
5	10326.0000		13.37		54		358.6	Horizontal	AV	Pass
6	17053.5000	-57.54	19.97	-77.51	-13	-44.54	347	Horizontal	PK	Pass
6	17053.5000		19.97		54		347	Horizontal	AV	Pass

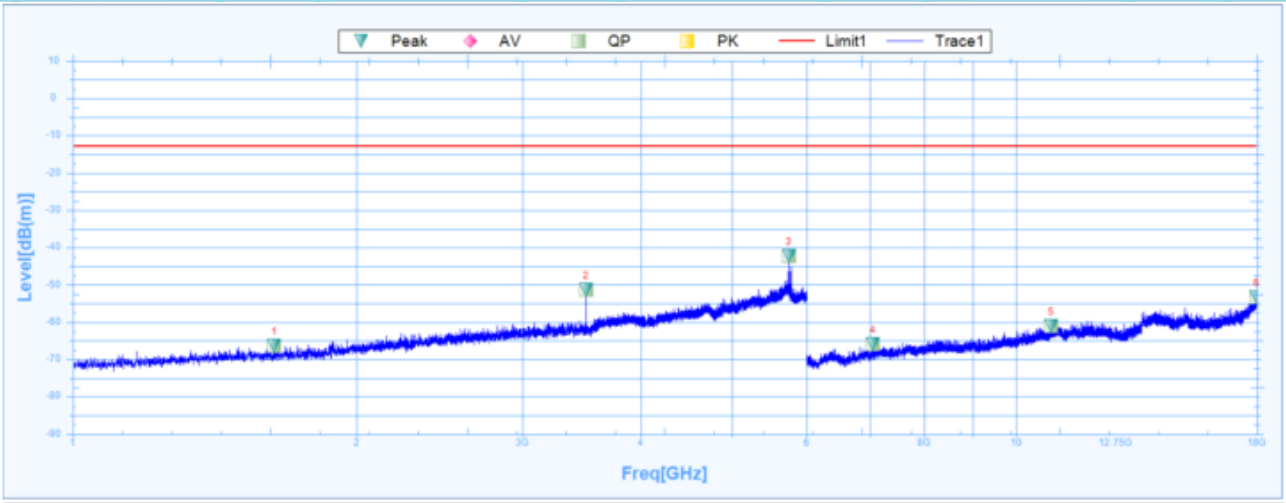
Vertical：



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1642.5000	-66.64	24.92	-91.56	-13	-53.64	0	Vertical	PK	Pass
1	1642.5000		24.92		54		0	Vertical	AV	Pass
2	2754.3750	-61.66	27.91	-89.57	-13	-48.66	2.5	Vertical	PK	Pass
2	2754.3750		27.91		54		2.5	Vertical	AV	Pass
3	5921.8750	-49.95	32.67	-82.62	-13	-36.95	1.1	Vertical	PK	Pass
3	5921.8750		32.67		54		1.1	Vertical	AV	Pass
4	6265.5000	-38.64	4.2	-42.84	-13	-25.64	0	Vertical	PK	Pass
4	6265.5000		4.2		54		0	Vertical	AV	Pass
5	10384.5000	-37.34	13.55	-50.89	-13	-24.34	15.3	Vertical	PK	Pass
5	10384.5000		13.55		54		15.3	Vertical	AV	Pass
6	17791.5000	-32.23	22.57	-54.8	-13	-19.23	108.6	Vertical	PK	Pass
6	17791.5000		22.57		54		108.6	Vertical	AV	Pass

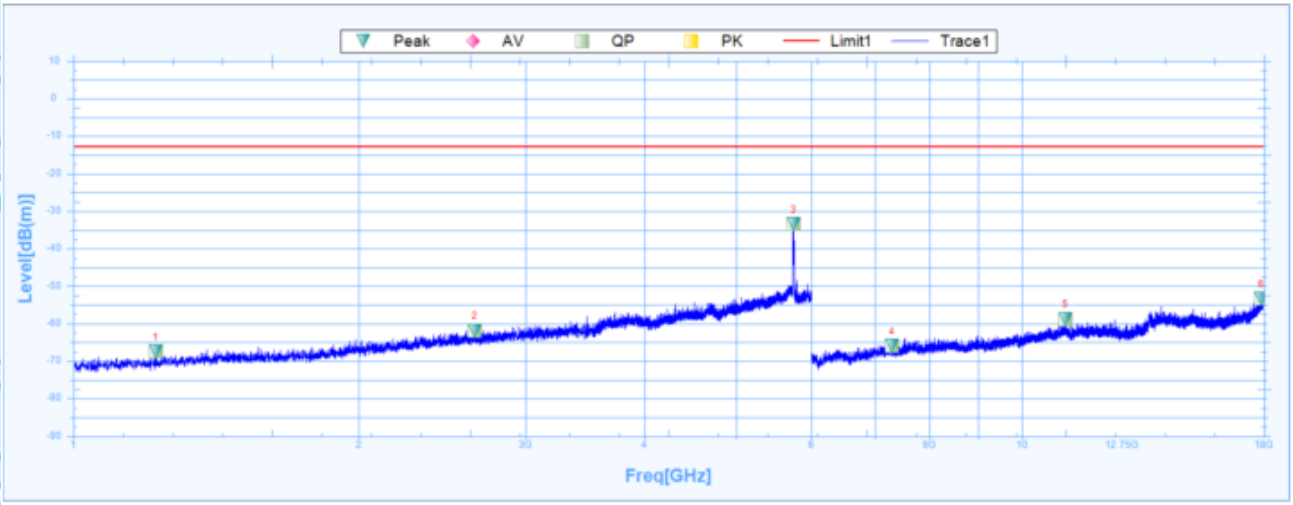
n77(3700-3980Mhz):
Horizontal：



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1635.6250	-66.39	24.92	-91.31	-13	-53.39	9.3	Horizontal	PK	Pass
1	1635.6250		24.92		54		9.3	Horizontal	AV	Pass
2	3501.8750	-51.41	28.5	-79.91	-13	-38.41	360.1	Horizontal	PK	Pass
2	3501.8750		28.5		54		360.1	Horizontal	AV	Pass
3	5743.7500	-42.29	32.39	-74.68	-13	-29.29	123.7	Horizontal	PK	Pass
3	5743.7500		32.39		54		123.7	Horizontal	AV	Pass
4	7056.0000	-65.87	6.54	-72.41	-13	-52.87	325	Horizontal	PK	Pass
4	7056.0000		6.54		54		325	Horizontal	AV	Pass
5	10900.5000	-60.96	15.06	-76.02	-13	-47.96	341	Horizontal	PK	Pass
5	10900.5000		15.06		54		341	Horizontal	AV	Pass
6	17998.5000	-53.4	23.92	-77.32	-13	-40.4	359.5	Horizontal	PK	Pass
6	17998.5000		23.92		54		359.5	Horizontal	AV	Pass

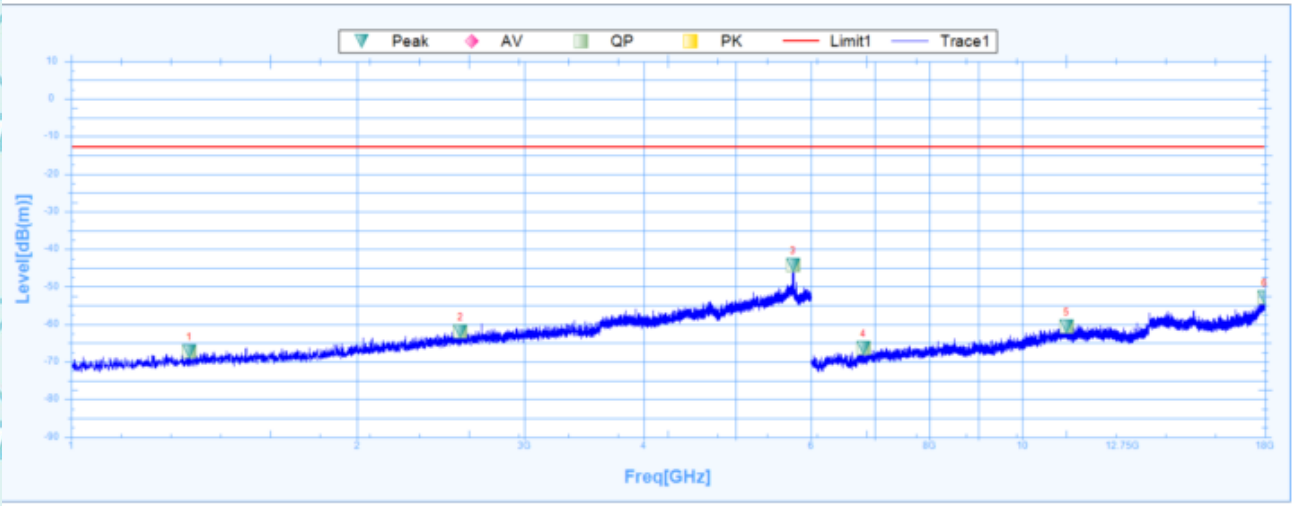
Vertical：



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1220.6250	-67.39	24.47	-91.86	-13	-54.39	67.4	Vertical	PK	Pass
1	1220.6250		24.47		54		67.4	Vertical	AV	Pass
2	2650.6250	-61.83	27.78	-89.61	-13	-48.83	153.5	Vertical	PK	Pass
2	2650.6250		27.78		54		153.5	Vertical	AV	Pass
3	5748.1250	-33.4	32.4	-65.8	-13	-20.4	86.6	Vertical	PK	Pass
3	5748.1250		32.4		54		86.6	Vertical	AV	Pass
4	7297.5000	-65.87	6.76	-72.63	-13	-52.87	16.5	Vertical	PK	Pass
4	7297.5000		6.76		54		16.5	Vertical	AV	Pass
5	11122.5000	-58.73	15.73	-74.46	-13	-45.73	195.8	Vertical	PK	Pass
5	11122.5000		15.73		54		195.8	Vertical	AV	Pass
6	17889.0000	-53.36	23.19	-76.55	-13	-40.36	358.6	Vertical	PK	Pass
6	17889.0000		23.19		54		358.6	Vertical	AV	Pass

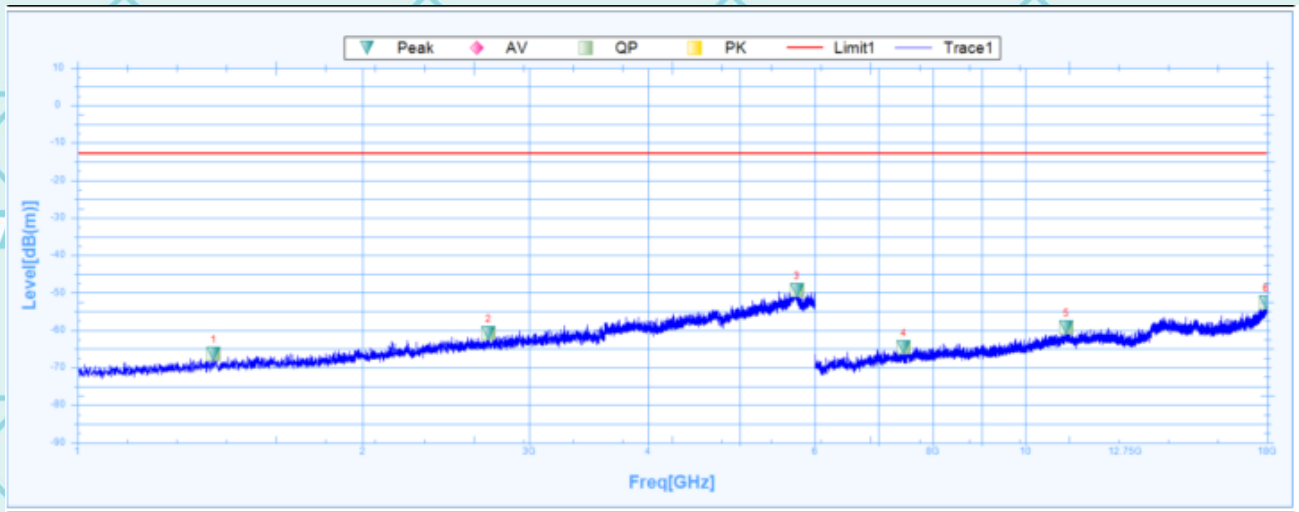
n78(3450-3550Mhz):
Horizontal：



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1331.2500	-67.33	24.86	-92.19	-13	-54.33	291	Horizontal	PK	Pass
1	1331.2500		24.86		54		291	Horizontal	AV	Pass
2	2568.1250	-61.96	27.68	-89.64	-13	-48.96	215.6	Horizontal	PK	Pass
2	2568.1250		27.68		54		215.6	Horizontal	AV	Pass
3	5745.6250	-44.25	32.39	-76.64	-13	-31.25	21.1	Horizontal	PK	Pass
3	5745.6250		32.39		54		21.1	Horizontal	AV	Pass
4	6808.5000	-66.39	5.65	-72.04	-13	-53.39	34.4	Horizontal	PK	Pass
4	6808.5000		5.65		54		34.4	Horizontal	AV	Pass
5	11139.0000	-60.63	15.82	-76.45	-13	-47.63	359.5	Horizontal	PK	Pass
5	11139.0000		15.82		54		359.5	Horizontal	AV	Pass
6	17989.5000	-52.89	23.86	-76.75	-13	-39.89	0	Horizontal	PK	Pass
6	17989.5000		23.86		54		0	Horizontal	AV	Pass

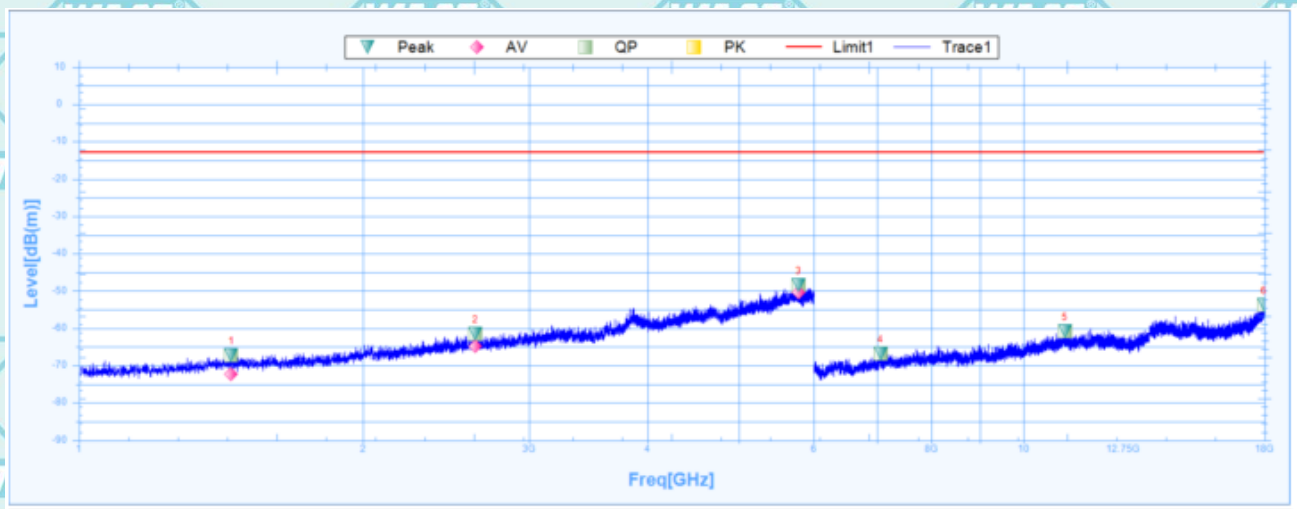
Vertical：



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1392.5000	-66.42	25.07	-91.49	-13	-53.42	267	Vertical	PK	Pass
1	1392.5000		25.07		54		267	Vertical	AV	Pass
2	2715.6250	-60.86	27.86	-88.72	-13	-47.86	160.6	Vertical	PK	Pass
2	2715.6250		27.86		54		160.6	Vertical	AV	Pass
3	5744.3750	-49.38	32.39	-81.77	-13	-36.38	243.1	Vertical	PK	Pass
3	5744.3750		32.39		54		243.1	Vertical	AV	Pass
4	7446.0000	-64.64	7.23	-71.87	-13	-51.64	359.3	Vertical	PK	Pass
4	7446.0000		7.23		54		359.3	Vertical	AV	Pass
5	11055.0000	-59.38	15.68	-75.06	-13	-46.38	48.7	Vertical	PK	Pass
5	11055.0000		15.68		54		48.7	Vertical	AV	Pass
6	17949.0000	-52.69	23.57	-76.26	-13	-39.69	254.3	Vertical	PK	Pass
6	17949.0000		23.57		54		254.3	Vertical	AV	Pass

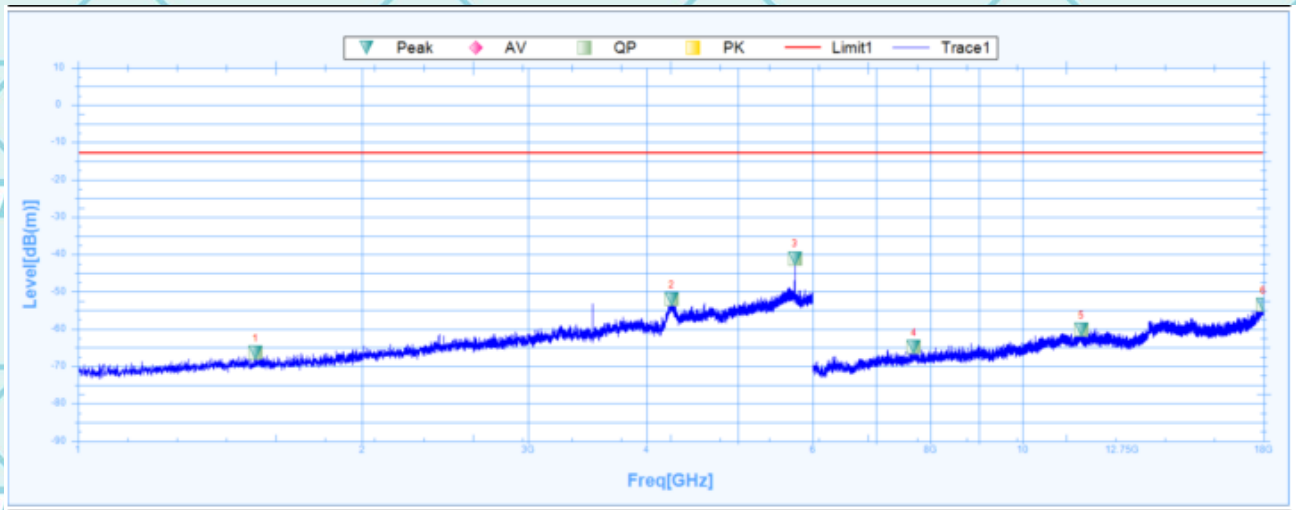
n78(3700-3800Mhz):
Horizontal：



Susputed Data List

NO.	Freq. [MHz]	Reading [dB(m)]	Factor [dB]	Level [dB(m)]	Limit [dB]	Margin [dB]	Deg [°]	Polarity	Trace	Verdict
1	1450.0000	-67.22	-0.09	-67.13	-13	-54.22	82.2	Horizontal	PK	Pass
1	1450.0000	-72.4	-0.09	-72.31	54	-126.4	82.2	Horizontal	AV	Pass
2	2630.0000	-61.58	6.46	-68.04	-13	-48.58	47.5	Horizontal	PK	Pass
2	2630.0000	-64.76	6.46	-71.22	54	-118.76	47.5	Horizontal	AV	Pass
3	5783.7500	-48.38	20.97	-69.35	-13	-35.38	65.4	Horizontal	PK	Pass
3	5783.7500	-50.39	20.97	-71.36	54	-104.39	65.4	Horizontal	AV	Pass
4	7060.5000	-66.9	35.59	-102.49	-13	-53.9	-0.1	Horizontal	PK	Pass
4	7060.5000		35.59		54		-0.1	Horizontal	AV	Pass
5	11064.0000	-60.82	39.44	-100.26	-13	-47.82	63	Horizontal	PK	Pass
5	11064.0000		39.44		54		63	Horizontal	AV	Pass
6	17974.5000	-53.67	46.33	-100	-13	-40.67	63	Horizontal	PK	Pass
6	17974.5000		46.33		54		63	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	1541.8750	-66.4	24.96	-91.36	-13	-53.4	59.1	Vertical	PK	Pass
1	1541.8750		24.96		54		59.1	Vertical	AV	Pass
2	4253.7500	-51.97	30.16	-82.13	-13	-38.97	1.7	Vertical	PK	Pass
2	4253.7500		30.16		54		1.7	Vertical	AV	Pass
3	5744.3750	-41.07	32.39	-73.46	-13	-28.07	15.7	Vertical	PK	Pass
3	5744.3750		32.39		54		15.7	Vertical	AV	Pass
4	7678.5000	-64.82	7.96	-72.78	-13	-51.82	60.6	Vertical	PK	Pass
4	7678.5000		7.96		54		60.6	Vertical	AV	Pass
5	11548.5000	-60.1	16.22	-76.32	-13	-47.1	10.7	Vertical	PK	Pass
5	11548.5000		16.22		54		10.7	Vertical	AV	Pass
6	17992.5000	-53.51	23.88	-77.39	-13	-40.51	-0.1	Vertical	PK	Pass
6	17992.5000		23.88		54		-0.1	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.

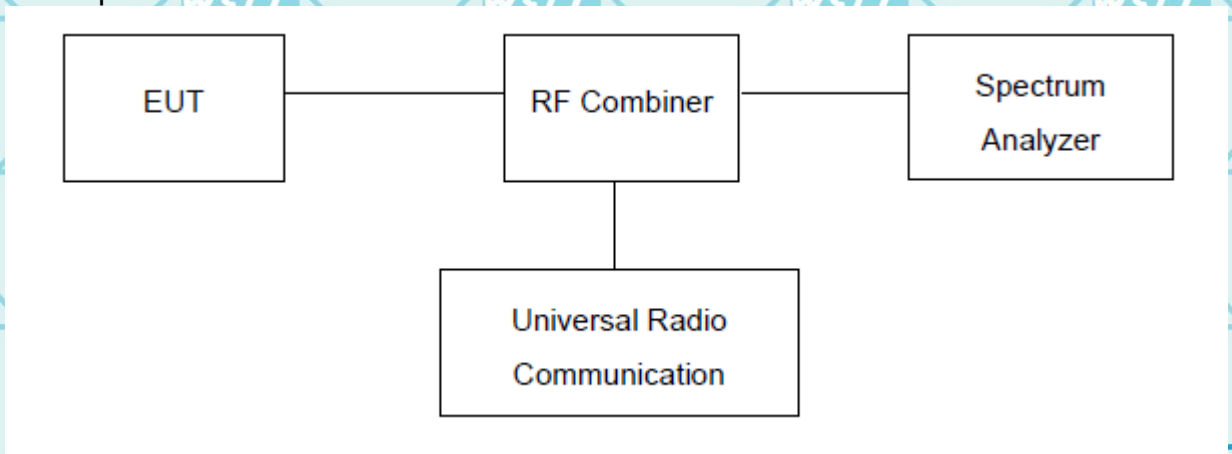
g) Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace (this is the reference value).

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

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

10. BAND EDGE

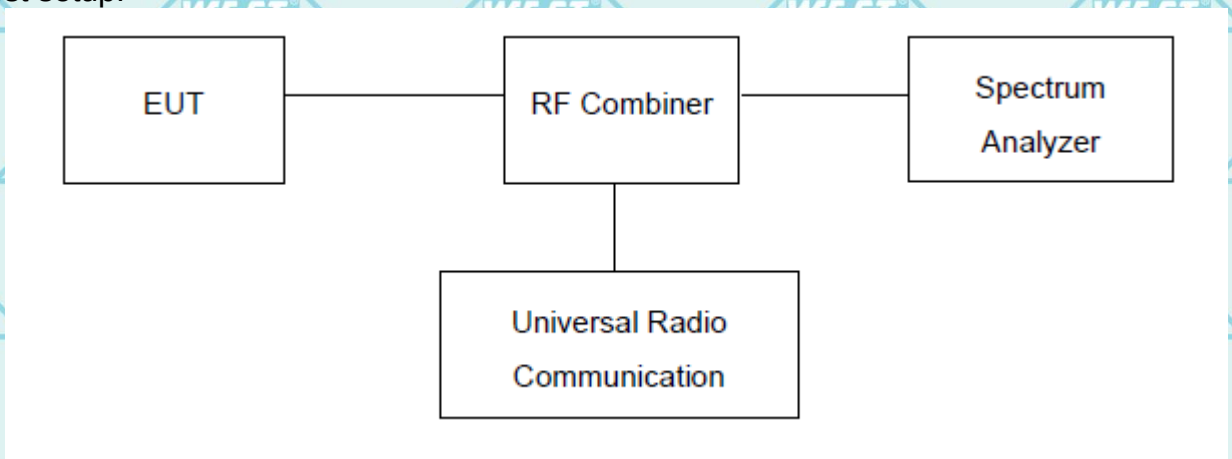
Test Limit:

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)

Note: Please refer to Annex（GSM&WCDMA&LTE&NR Band Edge） for more test data

11. SPURIOUS EMISSION (Conducted and Radiated)

11.1. Measurement Result (Pre-measurement)

GSM850:

Test Channel	BW(MHz)	UL Channel	Frequency(MHz)	Judgment
Low Range	0.2	128	824.2	Pass
Middle Range	0.2	190	836.6	Pass
High Range	0.2	251	848.8	Pass

PCS 1900：

Test Channel	BW(MHz)	UL Channel	Frequency(MHz)	Judgment
Low Range	0.2	512	1850.2	Pass
Middle Range	0.2	661	1880.0	Pass
High Range	0.2	810	1909.8	Pass

UTRA BANDS

Band 2:

Test Channel	BW(MHz)	UL Channel	Frequency(MHz)	Judgment
Low Range	5	9262	1852.4	Pass
Middle Range	5	9400	1880.0	Pass
High Range	5	9538	1907.6	Pass

Band 4:

Test Channel	BW(MHz)	UL Channel	Frequency(MHz)	Judgment
Low Range	5	1312	1712.4	Pass
Middle Range	5	1413	1732.6	Pass
High Range	5	1513	1752.6	Pass

Band 5:

Test Channel	BW(MHz)	UL Channel	Frequency(MHz)	Judgment
Low Range	5	4132	826.4	Pass
Middle Range	5	4182	836.4	Pass
High Range	5	4233	846.6	Pass

Test Plot(s)
Conducted method

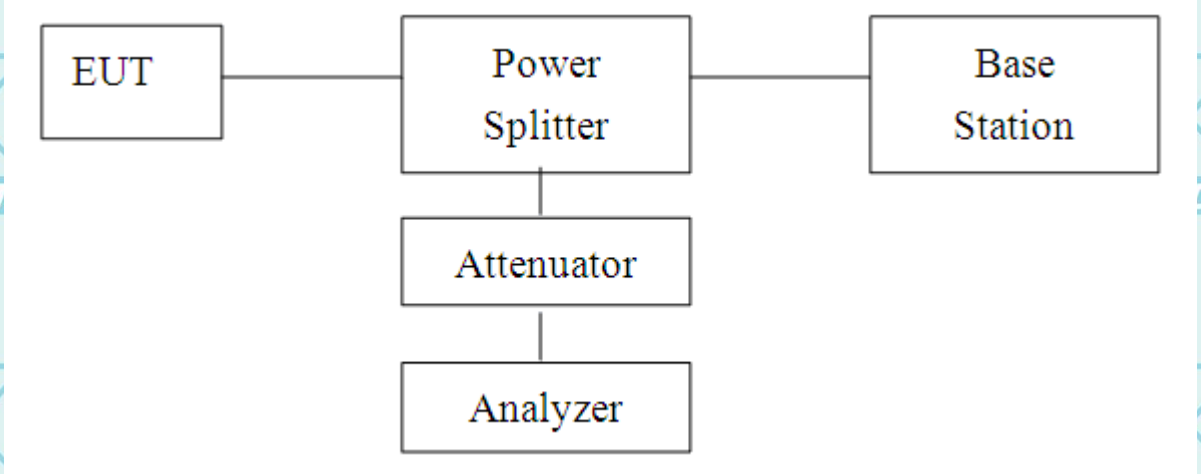
Test limit:

The spurious (unwanted) emission limits specified in the individual FCC rule parts applicable to licensed digital transmitters (typically referred to under the heading 'emission limits') normally apply to any and all emissions that are present outside of the authorized frequency band/block and apply to emissions in both the out-of-band and spurious domains. In some rule parts, the unwanted emission limits are specified by an emission mask that defines the applicable limit as a function of the frequency range relative to the authorized frequency block.
Typically, unwanted emissions are required by the licensed rule parts to be attenuated below the transmitter power by a factor of at least X + 10log(P) dB, where P represents the transmitter power expressed in watts and X is a specified scalar value (e.g., 43). This specification can be interpreted in one of two equivalent ways. First, the required attenuation can be construed to be relative to the mean carrier power, with the resultant of the equation X + 10log(P) being expressed in dBc (dB relative to the maximum carrier power). Alternatively, the specification can be interpreted as an absolute limit when the specified attenuation is actually subtracted from the maximum permissible transmitter power [i.e., 10log(P) – {X + 10log(P)}], resulting in an absolute level of -X dBW [or (-X + 30) dBm]. See section 4.

Test procedure:

The RF output of the transceiver was connected to a spectrum analyzer and simulator through appropriate attenuation. The resolution bandwidth of the spectrum analyzer was set at 100 kHz below 1 GHz and 1 MHz above 1 GHz. Sufficient scans were taken to show any out of band emissions up to 10th harmonics.

Conducted Emission Test-Up:



Measurement Result

Note: Please refer to Annex（GSM&WCDMA&LTE&NR Out-of-band emissions）for more test data

12. FREQUENCY STABILITY

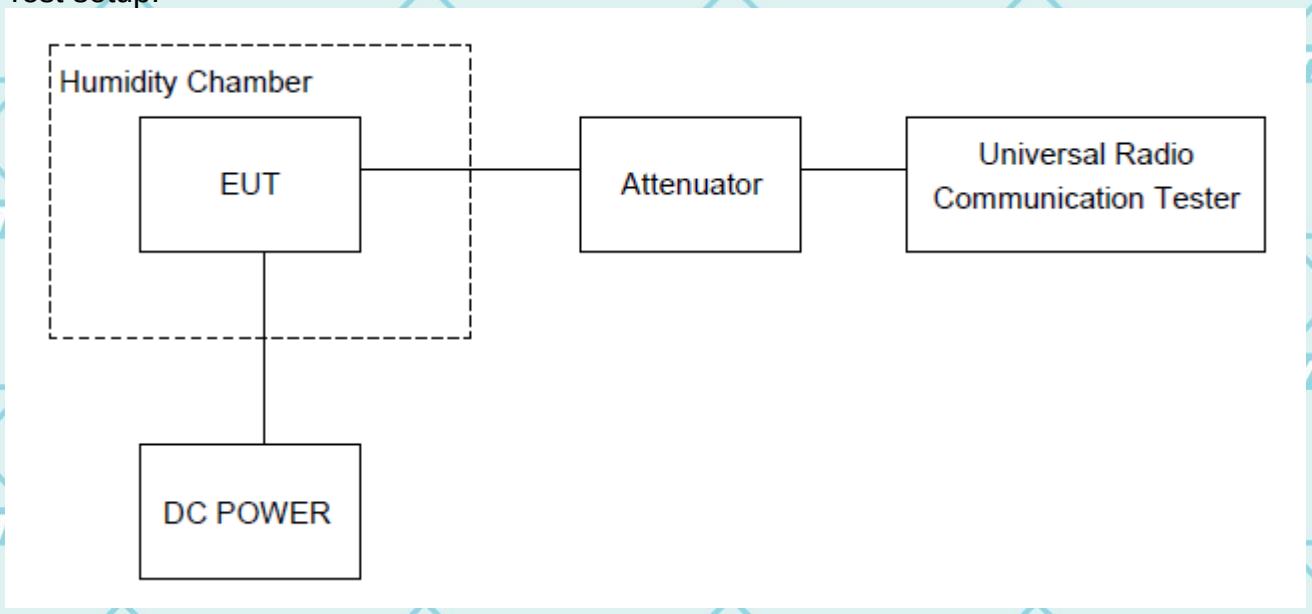
Test limit:

The frequency stability of the transmitter shall be measured while varying the ambient temperatures and supply voltages over the ranges specified in §2.1055. The specific frequency stability limits are provided in the relevant rules section(s). see section 4.

Test procedure:

Frequency Stability vs. Temperature: The equipment under test was connected to an external DC power supply and the RF output was connected to communication test set via feed-through attenuators. The EUT was placed inside the temperature chamber. The DC leads and RF output cable exited the chamber through an opening made for the purpose.

Test setup:



12.1. Measurement Result (Worst)

Note: Please refer to Annex（GSM&WCDMA&LTE&NR Frequency Error against） for more test data

13. Test Setup Photographs

Please refer to Annex "Set Up Photos-RF" for test setup photos

---END OF REPORT---