

Appendix A: Test Results of GSM operation

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1.1 Effective (Isotropic) Radiated Power Output Data

1.1.1 Test Result

Band	Channel	PCL	ERP/EIRP(dBm)	Limit(dBm)	Verdict
GSM850	128	3	30.78	38.5	PASS
GSM850	190	3	31.14	38.5	PASS
GSM850	251	3	31.04	38.5	PASS
GSM1900	512	0	28.1	33	PASS
GSM1900	661	0	28.21	33	PASS
GSM1900	810	0	28.13	33	PASS

Band	Channel	PCL	Slot	Power(dBm)	Limit(dBm)	Verdict
GPRS850	128	3	1	31.07	38.5	PASS
GPRS850	128	3	2	30.95	38.5	PASS
GPRS850	128	3	3	29.27	38.5	PASS
GPRS850	128	3	4	27.74	38.5	PASS
GPRS850	190	3	1	31	38.5	PASS
GPRS850	190	3	2	29.96	38.5	PASS
GPRS850	190	3	3	28.44	38.5	PASS
GPRS850	190	3	4	26.91	38.5	PASS
GPRS850	251	3	1	30.62	38.5	PASS
GPRS850	251	3	2	29.62	38.5	PASS
GPRS850	251	3	3	28.11	38.5	PASS
GPRS850	251	3	4	26.66	38.5	PASS
GPRS1900	512	0	1	28.04	33	PASS
GPRS1900	512	0	2	27.35	33	PASS
GPRS1900	512	0	3	25.97	33	PASS
GPRS1900	512	0	4	24.27	33	PASS
GPRS1900	661	0	1	27.8	33	PASS
GPRS1900	661	0	2	26.93	33	PASS
GPRS1900	661	0	3	25.63	33	PASS
GPRS1900	661	0	4	24.07	33	PASS
GPRS1900	810	0	1	27.95	33	PASS
GPRS1900	810	0	2	27.02	33	PASS
GPRS1900	810	0	3	25.82	33	PASS
GPRS1900	810	0	4	24.02	33	PASS

Band	Channel	PCL	Slot	Power(dBm)	Limit(dBm)	Verdict
EGPRS850	128	8	1	24.32	38.5	PASS
EGPRS850	128	8	2	23.17	38.5	PASS
EGPRS850	128	8	3	21.55	38.5	PASS
EGPRS850	128	8	4	19.96	38.5	PASS
EGPRS850	190	8	1	24.55	38.5	PASS
EGPRS850	190	8	2	23.31	38.5	PASS
EGPRS850	190	8	3	21.82	38.5	PASS
EGPRS850	190	8	4	20.1	38.5	PASS
EGPRS850	251	8	1	24.36	38.5	PASS
EGPRS850	251	8	2	23.18	38.5	PASS
EGPRS850	251	8	3	21.75	38.5	PASS
EGPRS850	251	8	4	19.99	38.5	PASS
EGPRS1900	512	2	1	24.72	33	PASS
EGPRS1900	512	2	2	23.92	33	PASS

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EGPRS190 0	512	2	3	22.22	33	PASS
EGPRS190 0	512	2	4	20.7	33	PASS
EGPRS190 0	661	2	1	24.59	33	PASS
EGPRS190 0	661	2	2	23.86	33	PASS
EGPRS190 0	661	2	3	22.43	33	PASS
EGPRS190 0	661	2	4	20.75	33	PASS
EGPRS190 0	810	2	1	24.68	33	PASS
EGPRS190 0	810	2	2	24.02	33	PASS
EGPRS190 0	810	2	3	22.61	33	PASS
EGPRS190 0	810	2	4	21.07	33	PASS

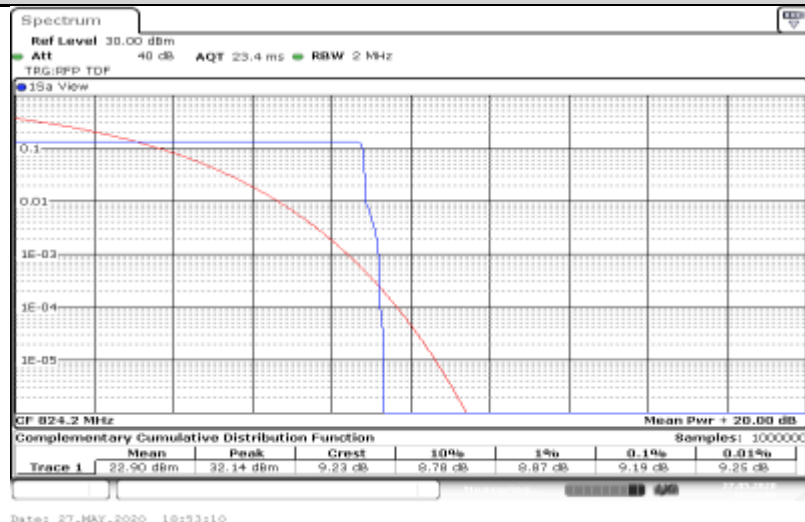
1.2 Peak-to-Average Ratio (CCDF)

1.2.1 Test Result

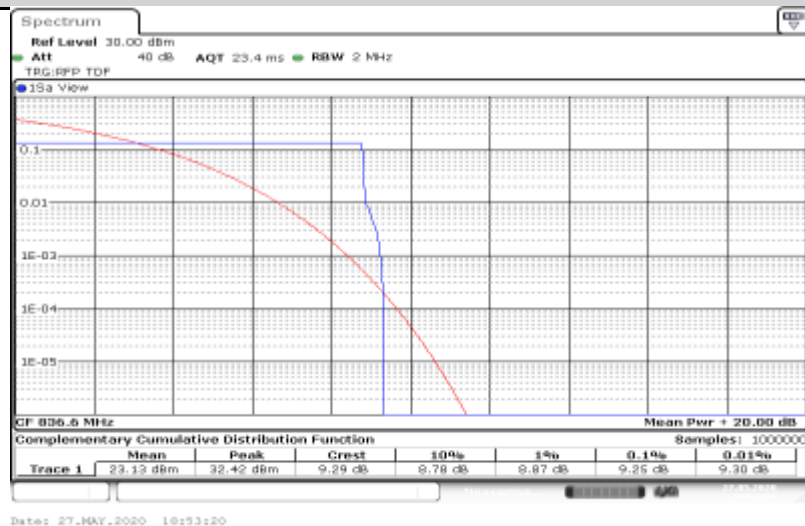
Band	Channel	PCL	Result(dB)	Limit(dB)	Verdict
GSM850	128	3	9.19	13	PASS
GSM850	190	3	9.25	13	PASS
GSM850	251	3	10.09	13	PASS
GPRS850	128	3	10	13	PASS
GPRS850	190	3	9.74	13	PASS
GPRS850	251	3	9.74	13	PASS
EGPRS850	128	8	11.97	13	PASS
EGPRS850	190	8	12.49	13	PASS
EGPRS850	251	8	12.67	13	PASS
GSM1900	512	0	9.22	13	PASS
GSM1900	661	0	9.22	13	PASS
GSM1900	810	0	8.99	13	PASS
GPRS1900	512	0	9.16	13	PASS
GPRS1900	661	0	9.19	13	PASS
GPRS1900	810	0	9.51	13	PASS
EGPRS1900	512	2	12.75	13	PASS
EGPRS1900	661	2	12.96	13	PASS
EGPRS1900	810	2	11.68	13	PASS

1.2.2 Test Graphs

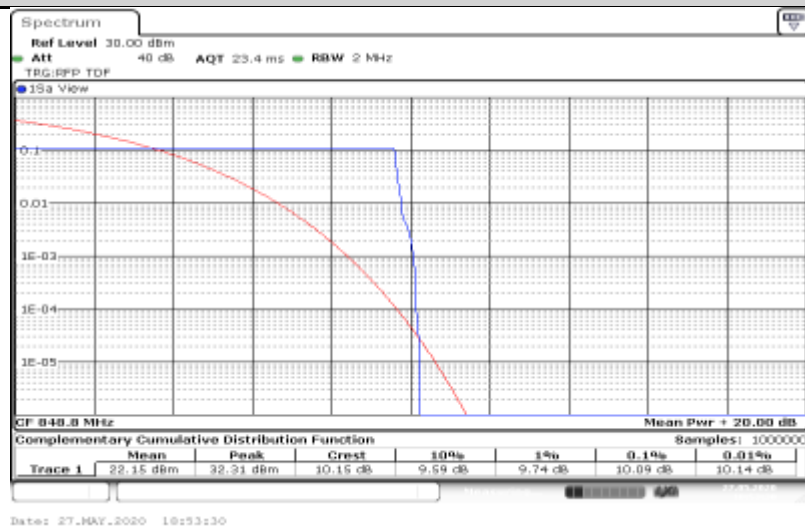
GSM850-128-3



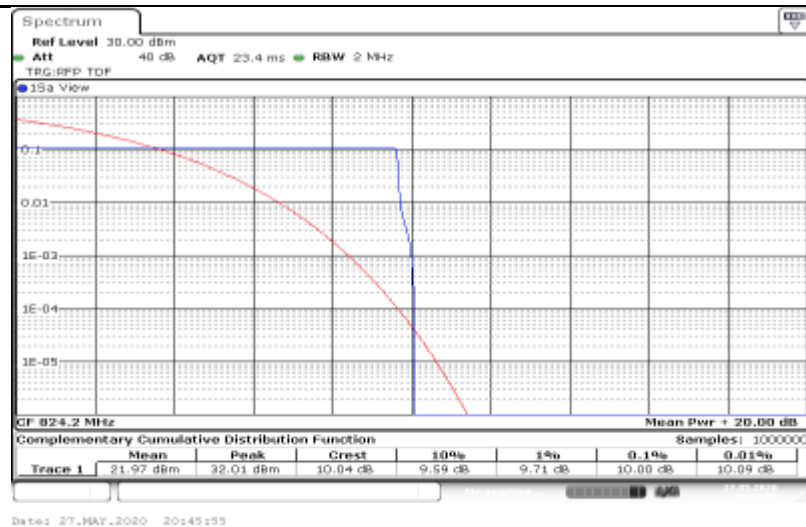
GSM850-190-3



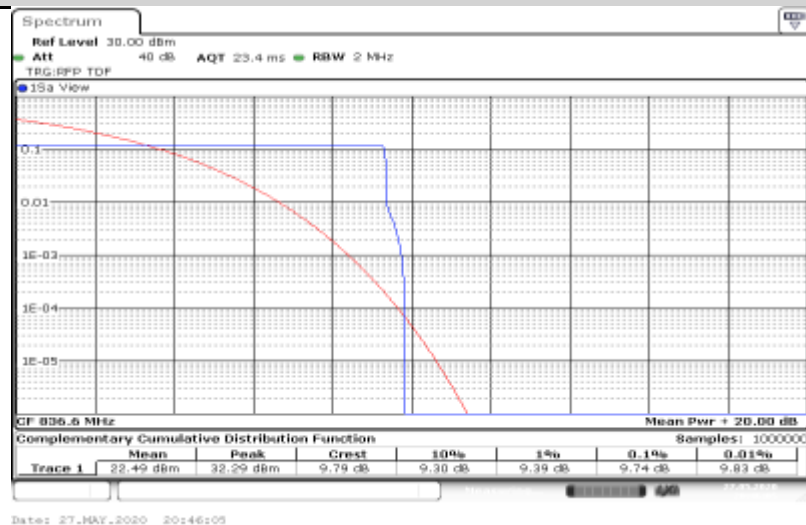
GSM850-251-3



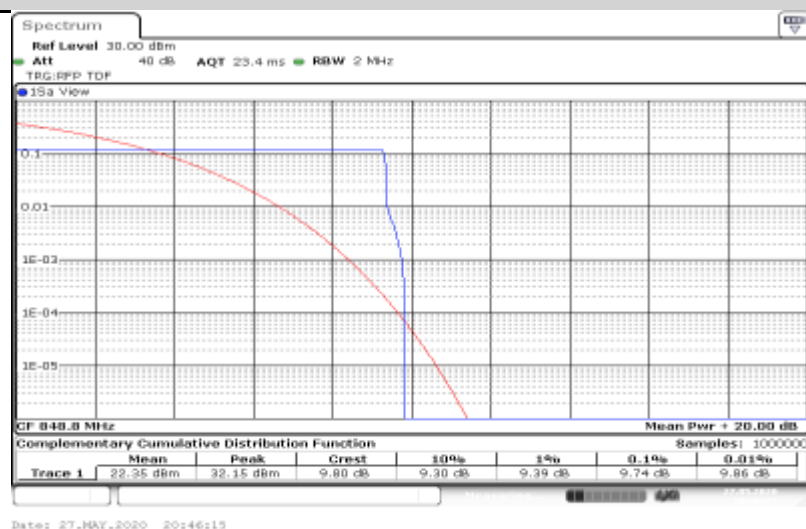
GPRS850-128-3



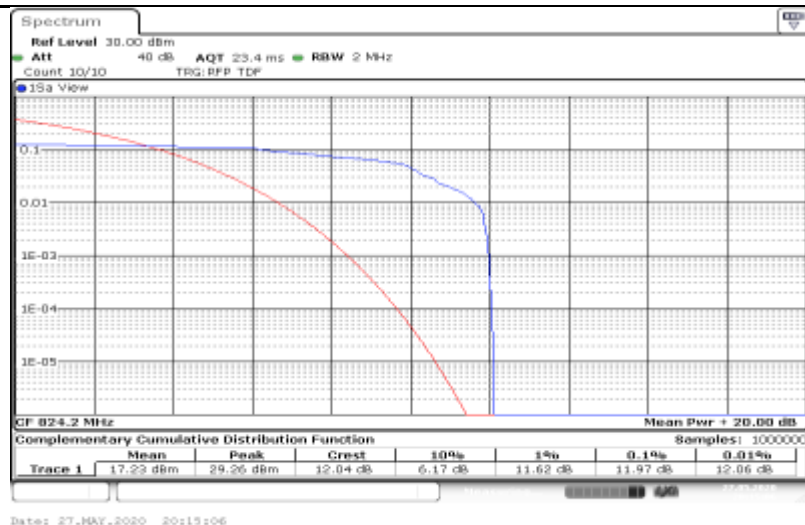
GPRS850-190-3



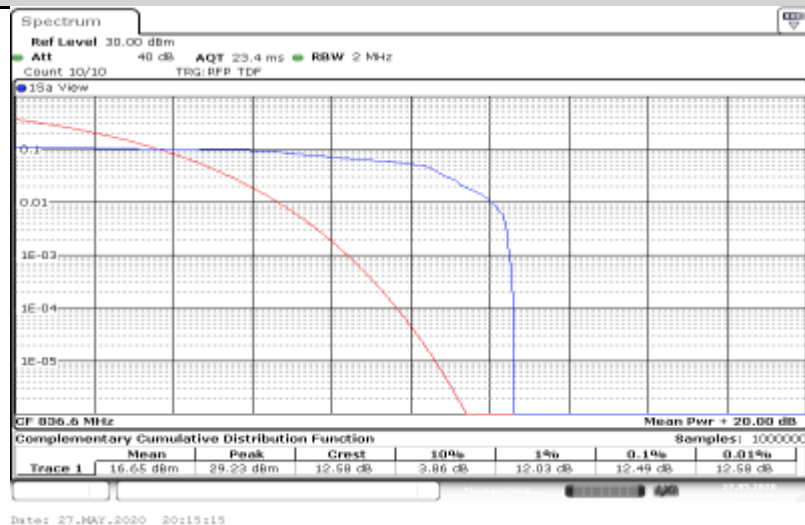
GPRS850-251-3



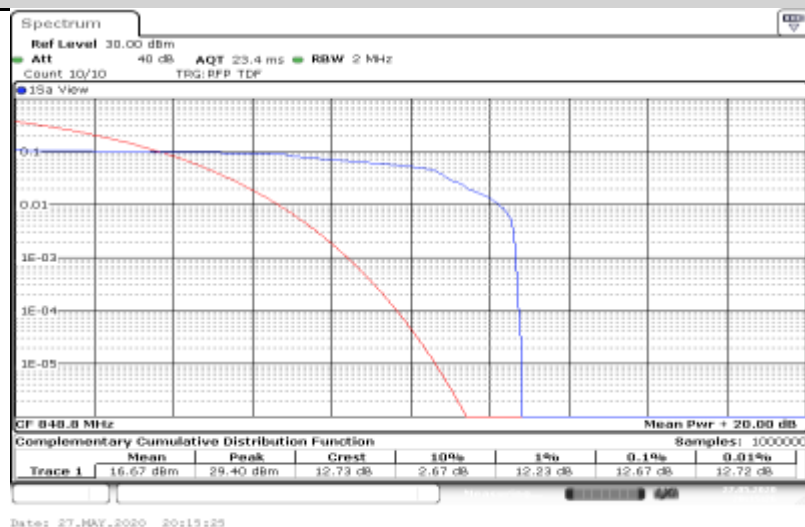
EGPRS850-128-8



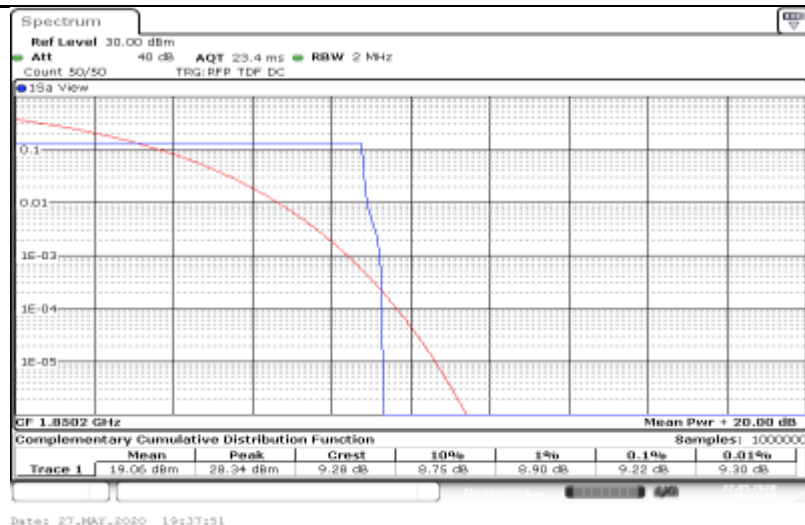
EGPRS850-190-8



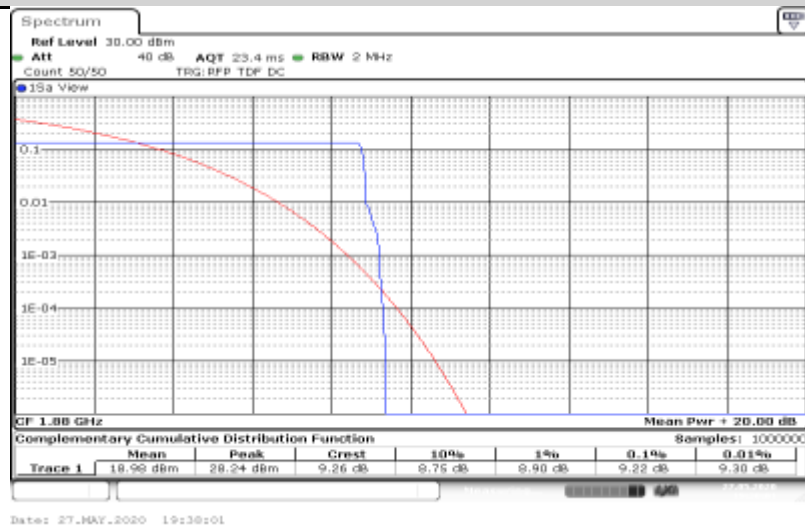
EGPRS850-251-8



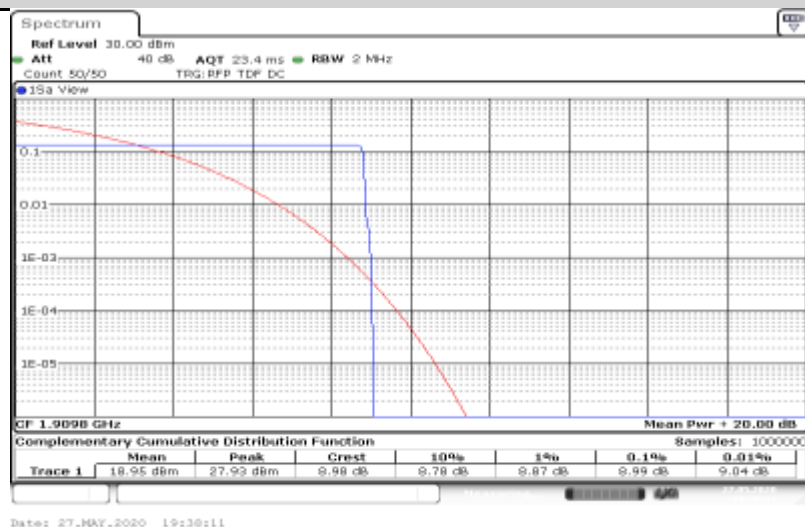
GSM1900-512-0



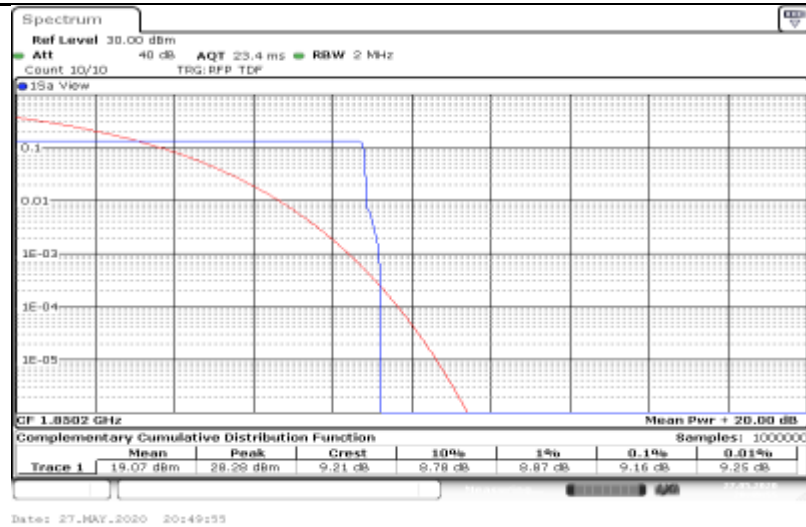
GSM1900-661-0



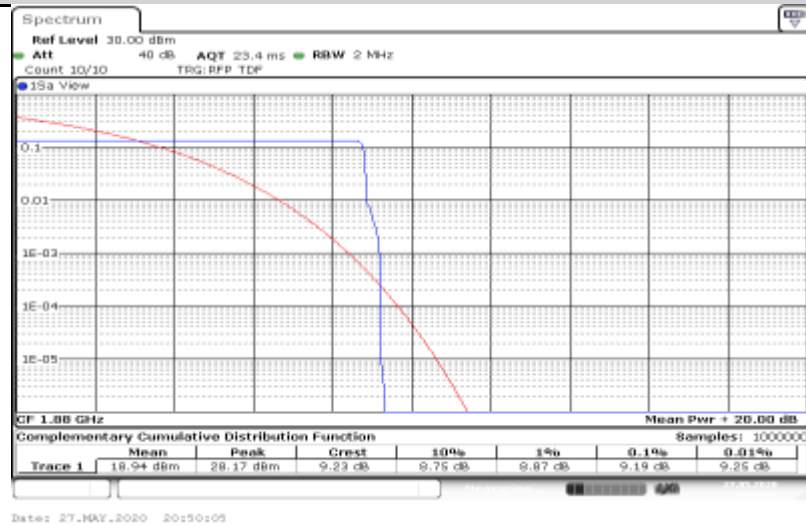
GSM1900-810-0



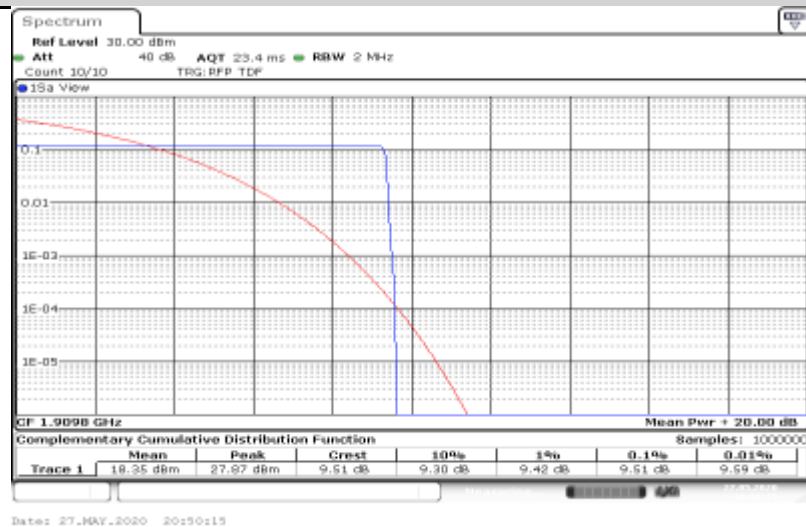
GPRS1900-512-0



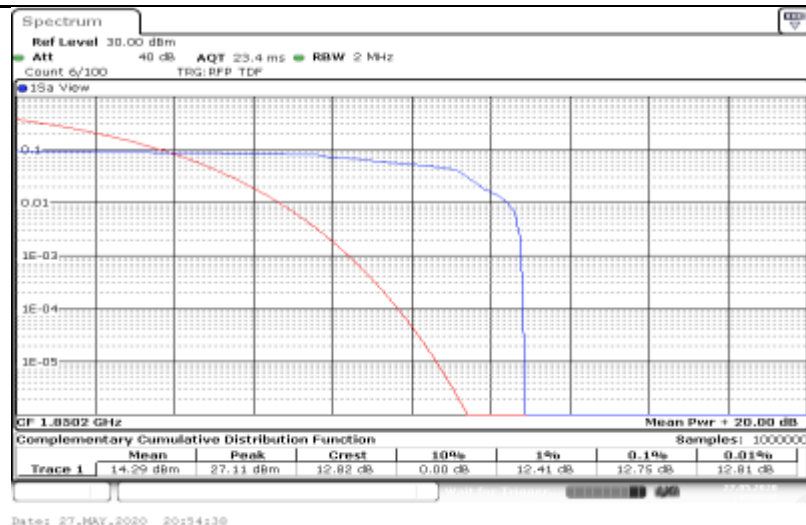
GPRS1900-661-0



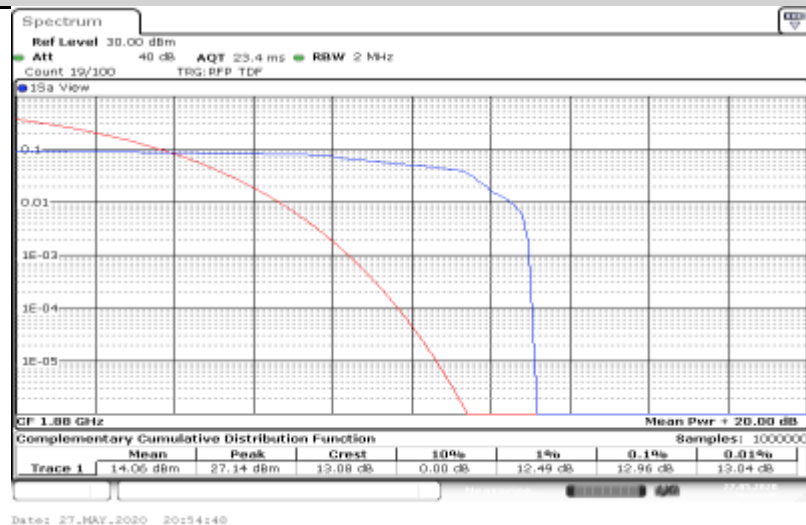
GPRS1900-810-0



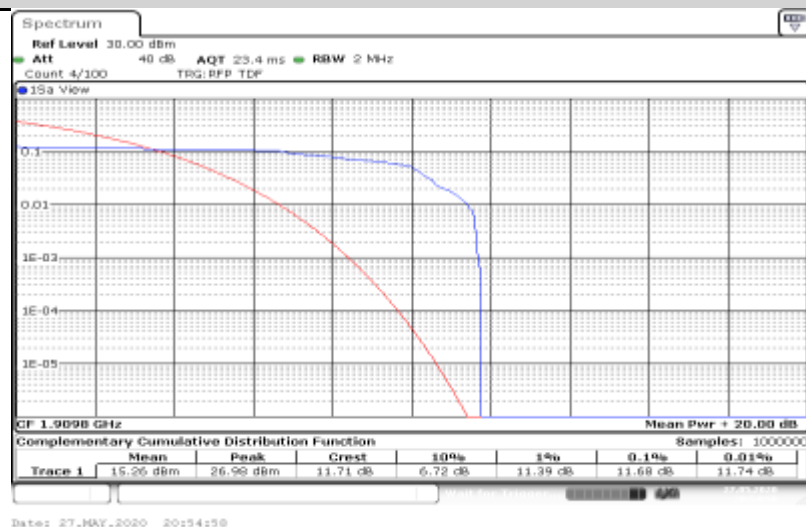
EGPRS1900-512-2



EGPRS1900-661-2



EGPRS1900-810-2



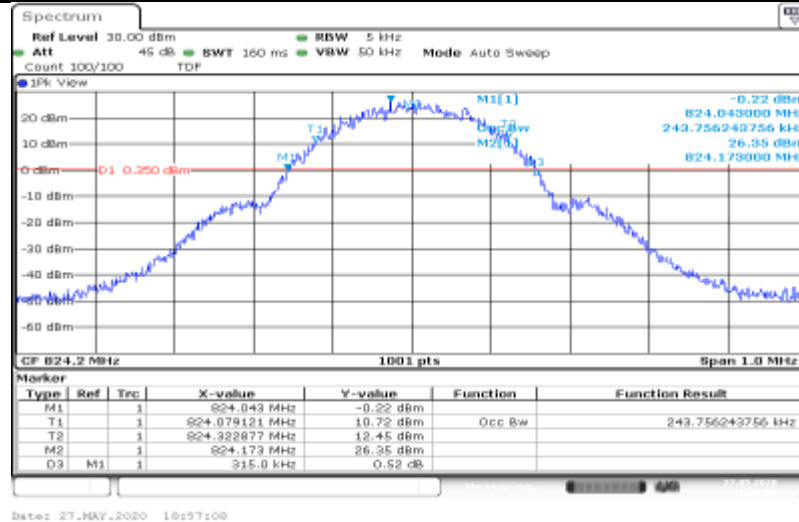
1.3 26dB Bandwidth and Occupied Bandwidth

1.3.1 Test Result

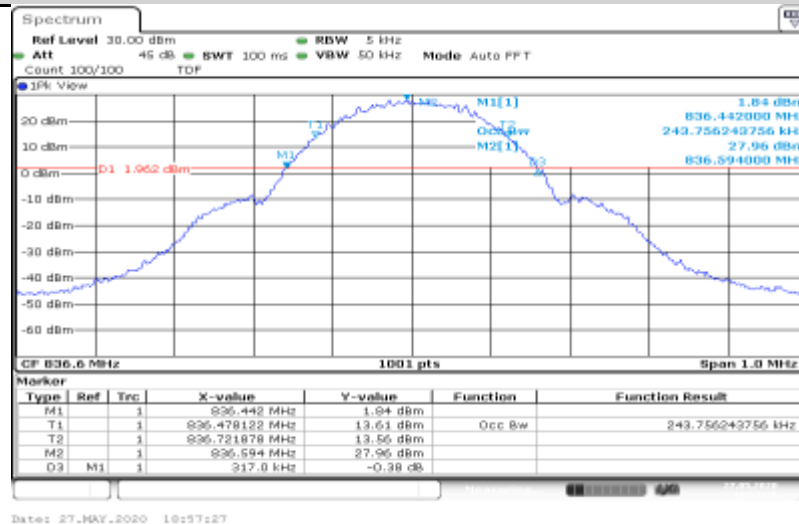
Band	Channel	PCL	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	3	0.244	-26	---	PASS
GSM850	190	3	0.244	-26	---	PASS
GSM850	251	3	0.244	-26	---	PASS
GPRS850	128	3	0.245	-26	---	PASS
GPRS850	190	3	0.244	-26	---	PASS
GPRS850	251	3	0.245	-26	---	PASS
EGPRS850	128	8	0.245	-26	---	PASS
EGPRS850	190	8	0.244	-26	---	PASS
EGPRS850	251	8	0.245	-26	---	PASS
GSM1900	512	0	0.242	-26	---	PASS
GSM1900	661	0	0.244	-26	---	PASS
GSM1900	810	0	0.244	-26	---	PASS
GPRS1900	512	0	0.244	-26	---	PASS
GPRS1900	661	0	0.245	-26	---	PASS
GPRS1900	810	0	0.245	-26	---	PASS
EGPRS1900	512	2	0.247	-26	---	PASS
EGPRS1900	661	2	0.246	-26	---	PASS
EGPRS1900	810	2	0.248	-26	---	PASS

1.3.2 Test Graphs

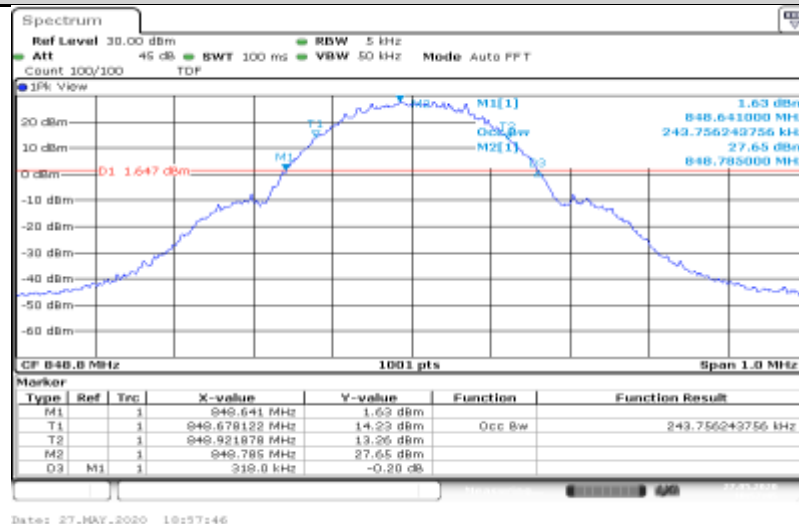
GSM850-128-3



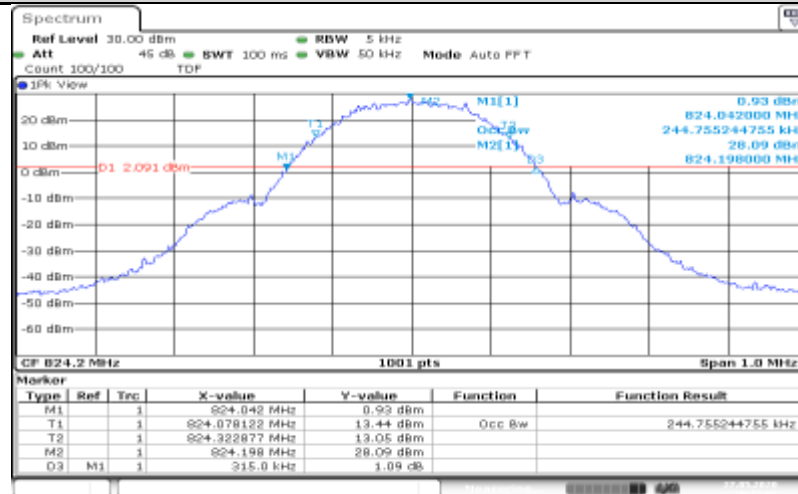
GSM850-190-3



GSM850-251-3

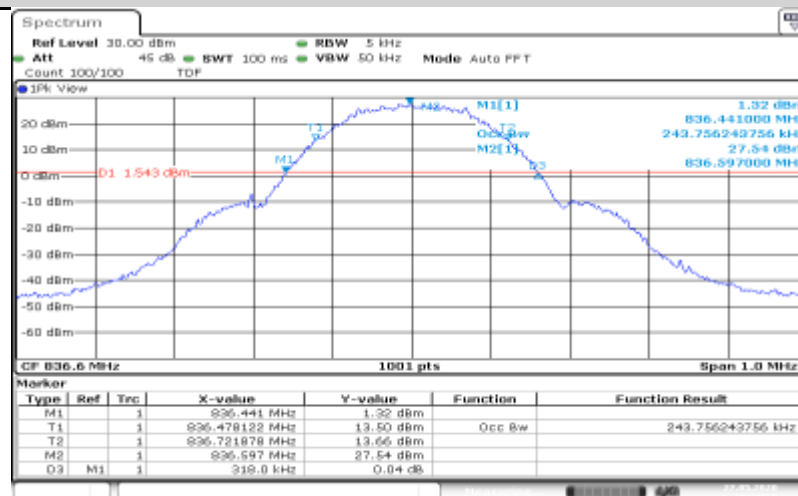


GPRS850-128-3



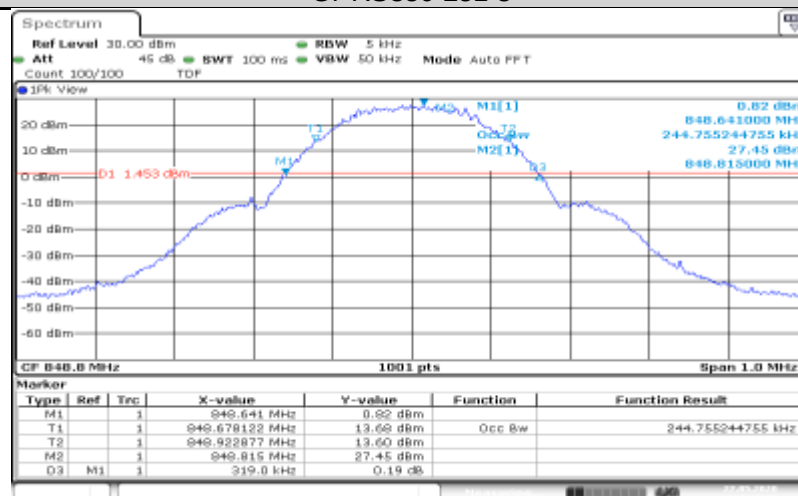
Date: 27.MAY.2020 20:12:04

GPRS850-190-3



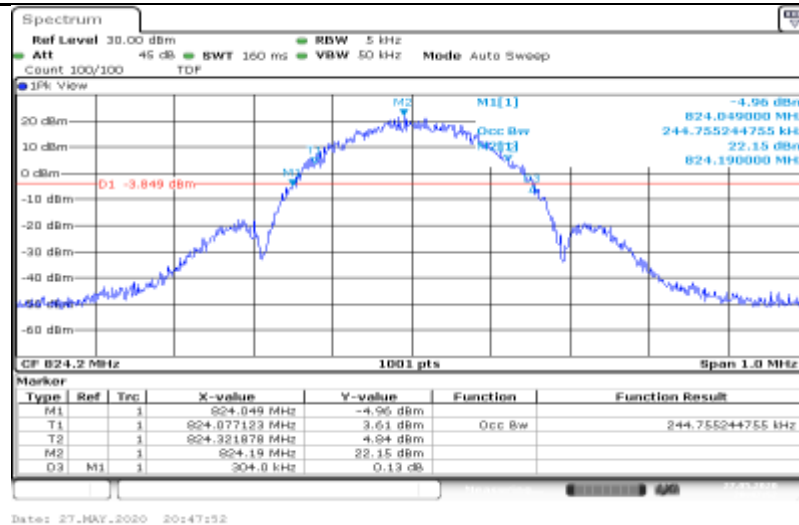
Date: 27.MAY.2020 20:12:23

GPRS850-251-3

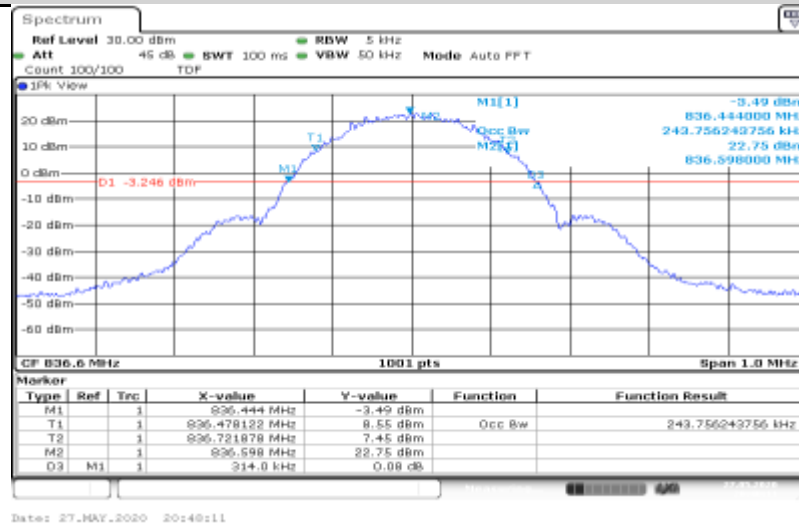


Date: 27.MAY.2020 20:12:42

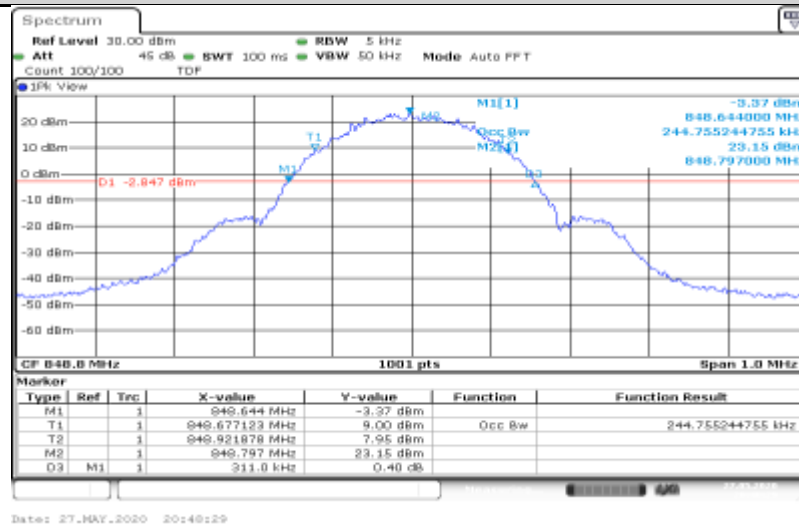
EGPRS850-128-8



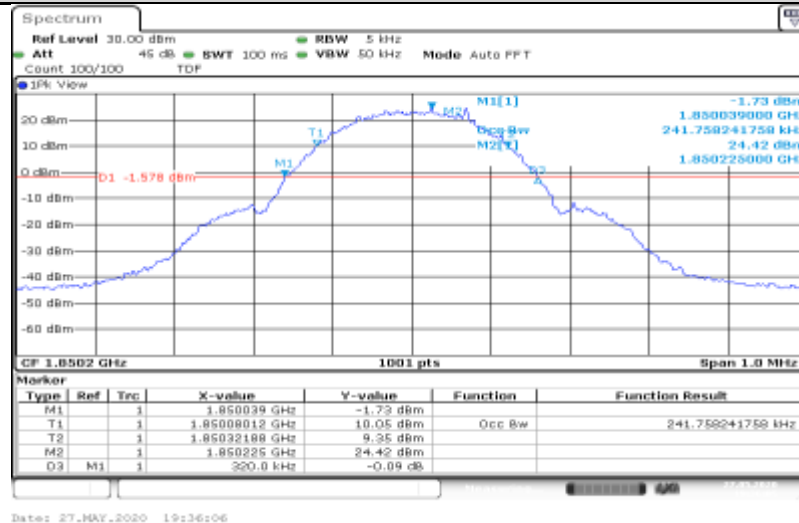
EGPRS850-190-8



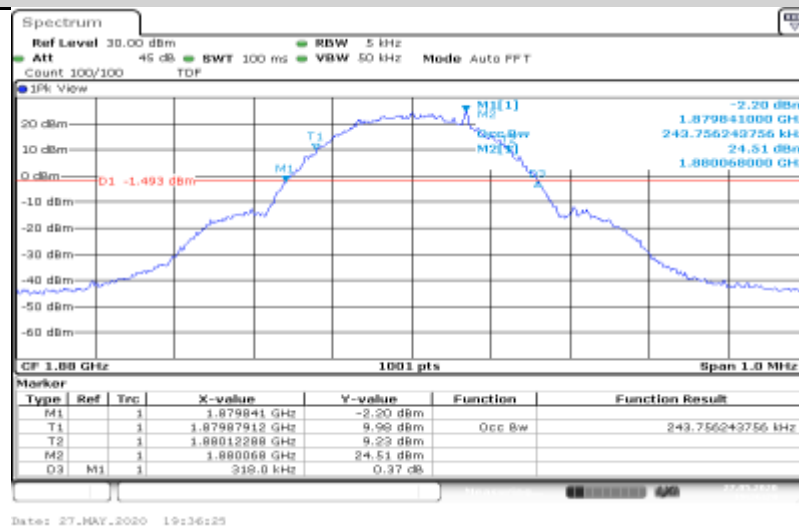
EGPRS850-251-8



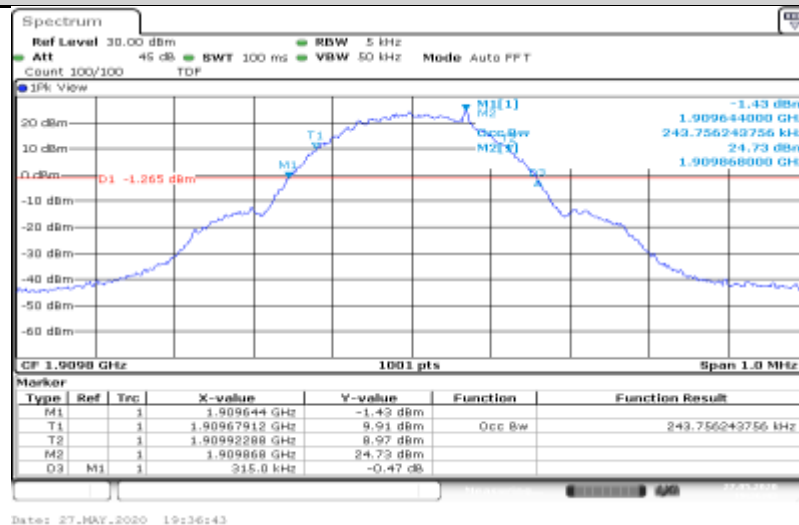
GSM1900-512-0



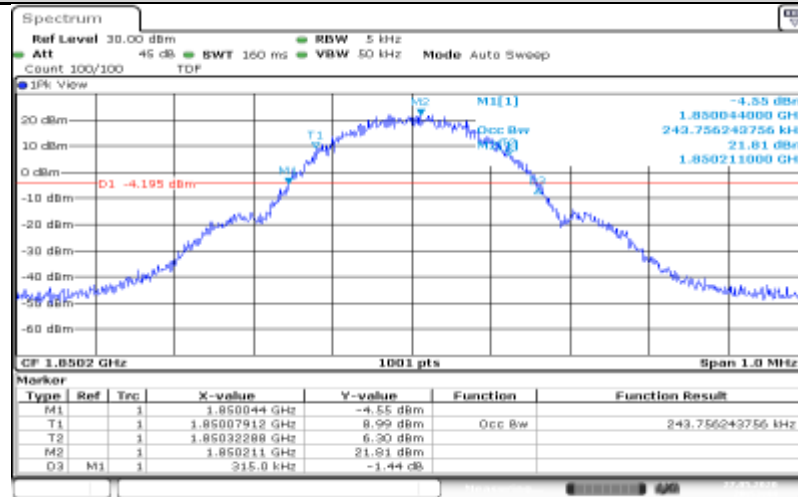
GSM1900-661-0



GSM1900-810-0

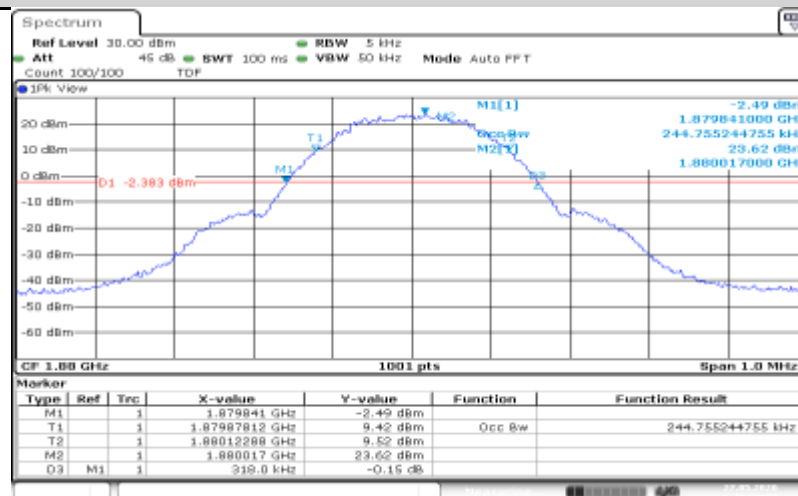


GPRS1900-512-0



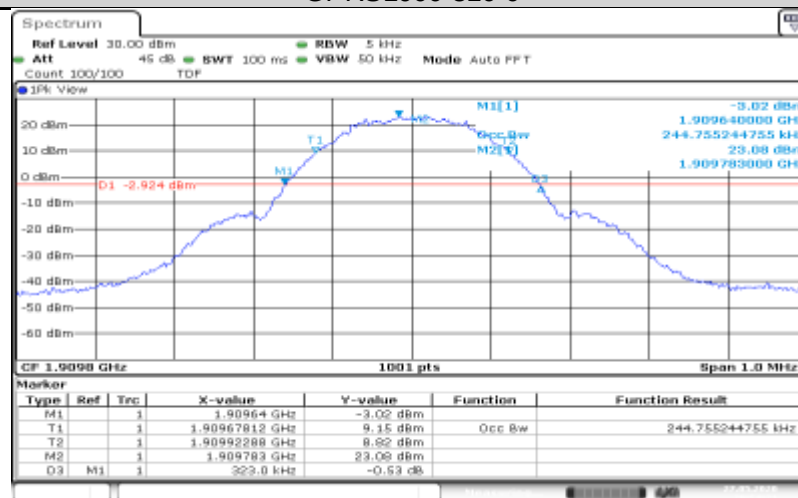
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GPRS1900-661-0



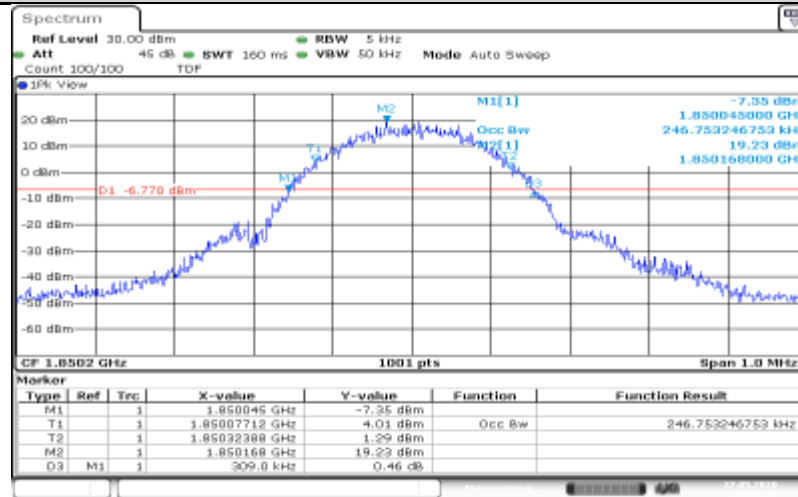
Date: 27.MAY.2020 20:54:03

GPRS1900-810-0



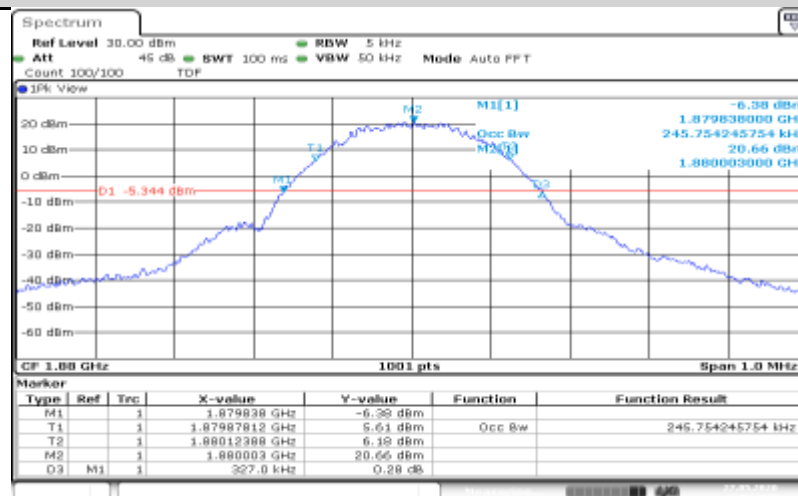
Date: 27.MAY.2020 20:54:21

EGPRS1900-512-2



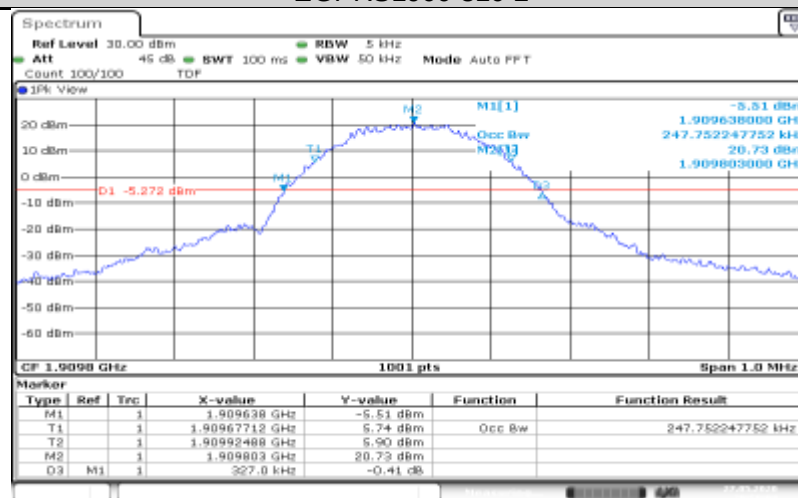
Date: 27.MAY.2020 20:57:27

EGPRS1900-661-2



Date: 27.MAY.2020 20:57:45

EGPRS1900-810-2

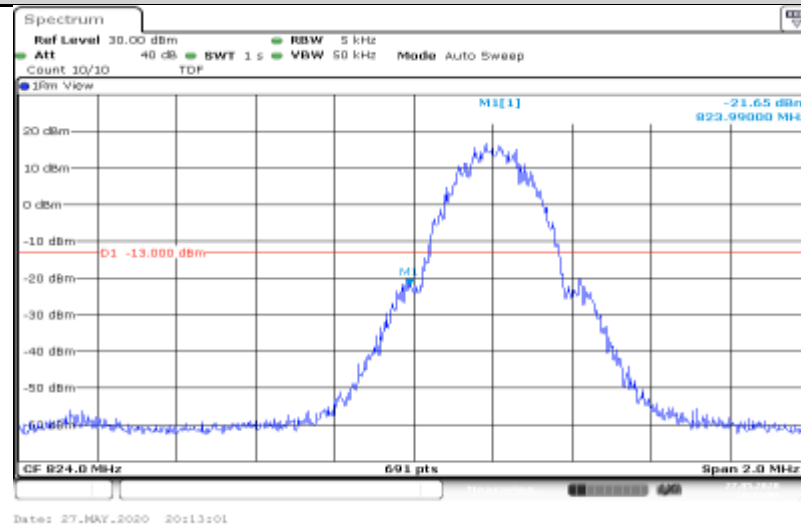


Date: 27.MAY.2020 20:58:04

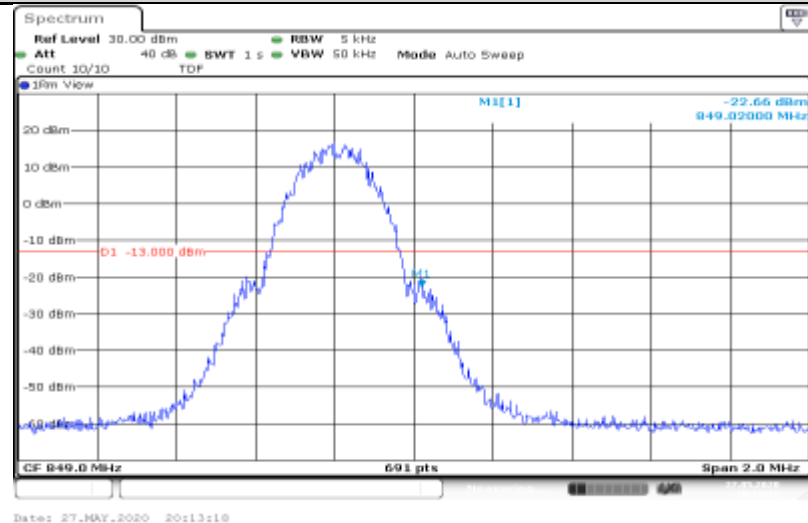
1.4 Band Edge

1.4.1 Test Result

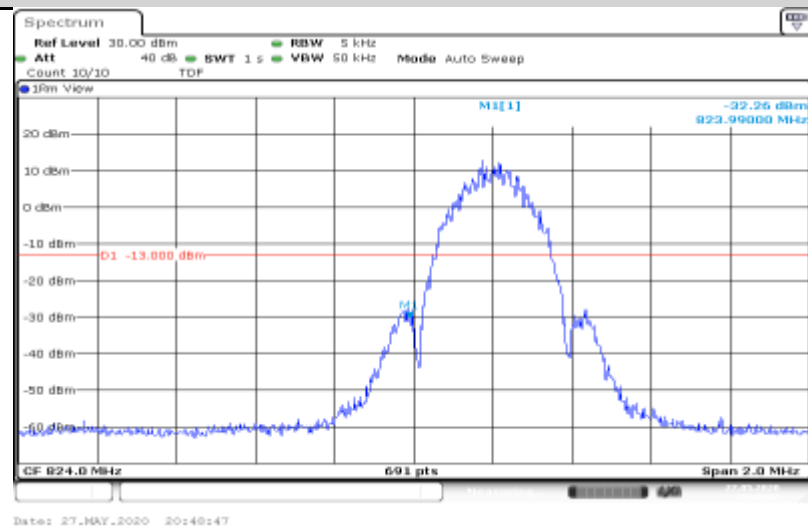
Band	Channel	PCL	Freq (MHz)	Result (dBm)	Limit(dBm)	Verdict
GSM850	128	3	823.98	-20.34	-13	PASS
GSM850	251	3	849.02	-19.27	-13	PASS
GPRS850	128	3	823.99	-20.71	-13	PASS
GPRS850	251	3	849.02	-19.53	-13	PASS
EGPRS850	128	8	823.99	-27.69	-13	PASS
EGPRS850	251	8	849.03	-27.65	-13	PASS
GSM1900	512	0	1850.00	-23.30	-13	PASS
GSM1900	810	0	1910.02	-24.55	-13	PASS
GPRS1900	512	0	1849.98	-24.85	-13	PASS
GPRS1900	810	0	1910.02	-23.26	-13	PASS
EGPRS1900	512	2	1849.99	-25.45	-13	PASS
EGPRS1900	810	2	1910.00	-28.15	-13	PASS



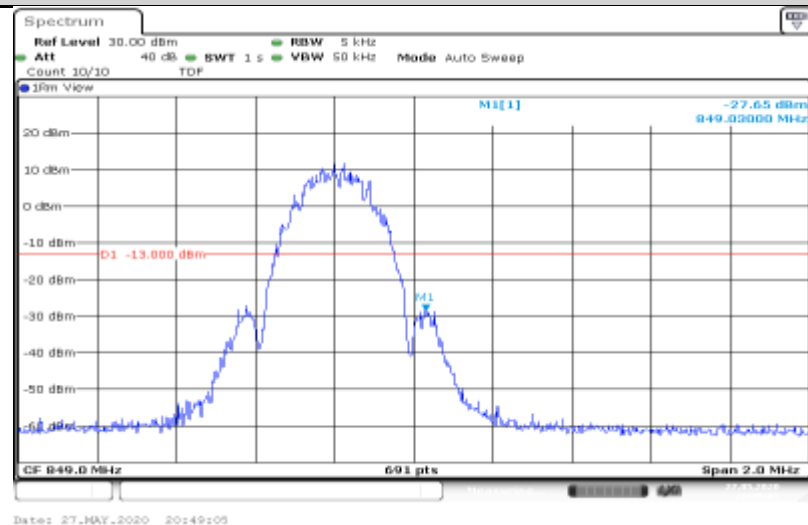
GPRS850-251-3-849.02



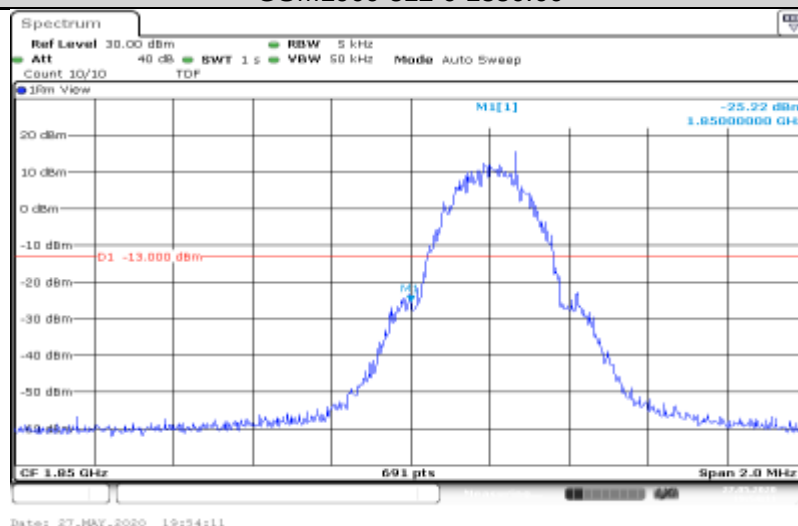
EGPRS850-128-8-823.99



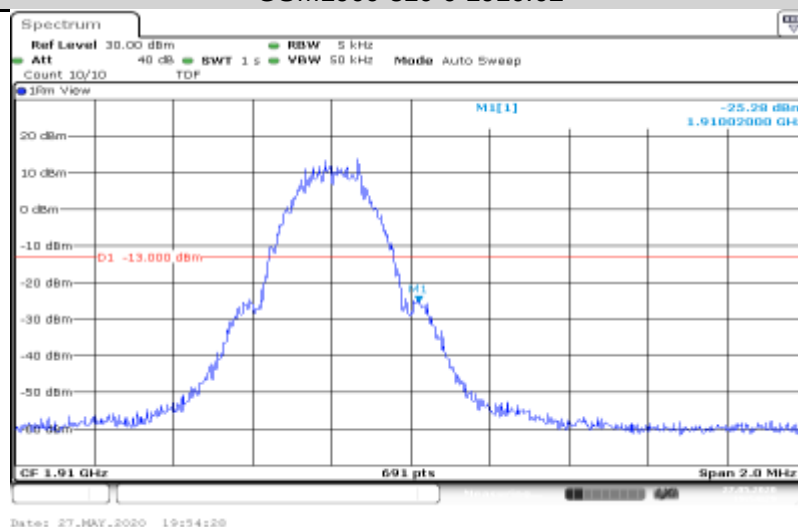
EGPRS850-251-8-849.03



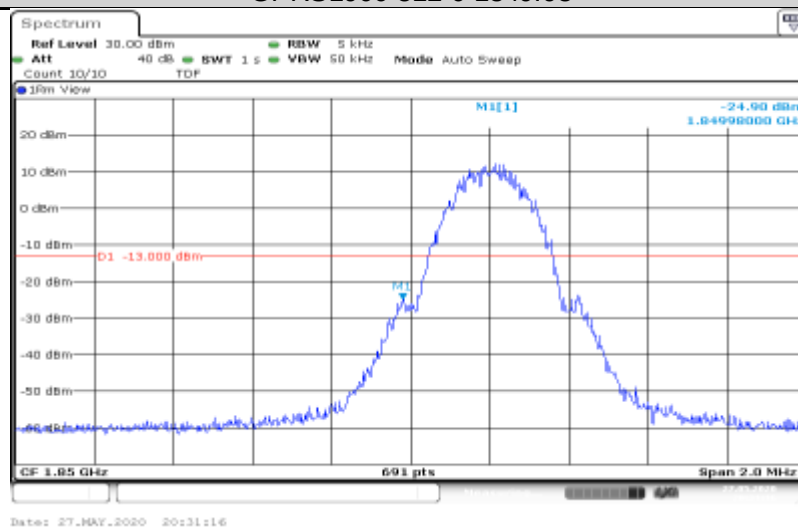
GSM1900-512-0-1850.00



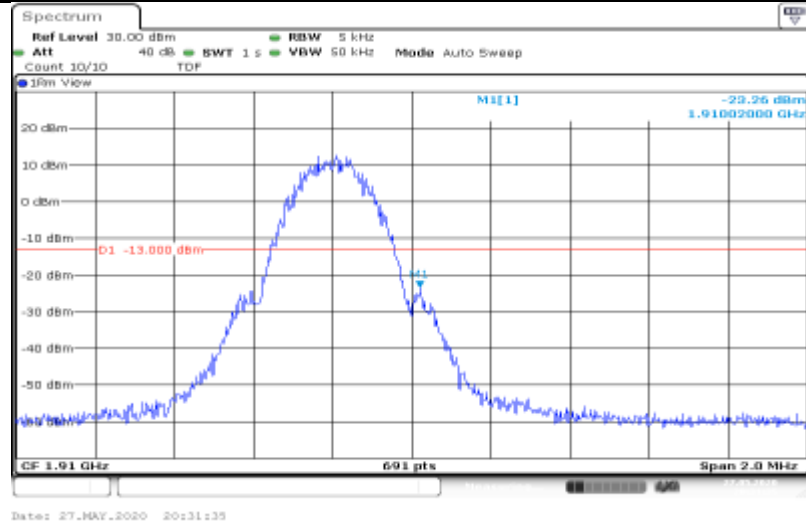
GSM1900-810-0-1910.02



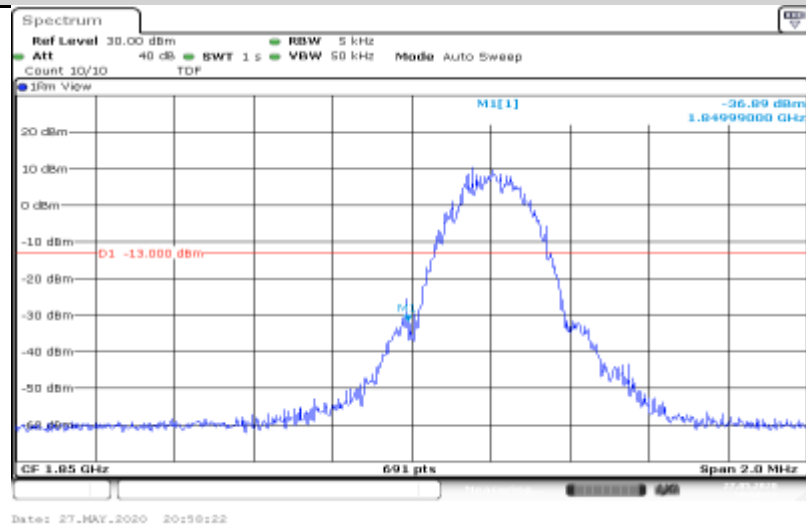
GPRS1900-512-0-1849.98



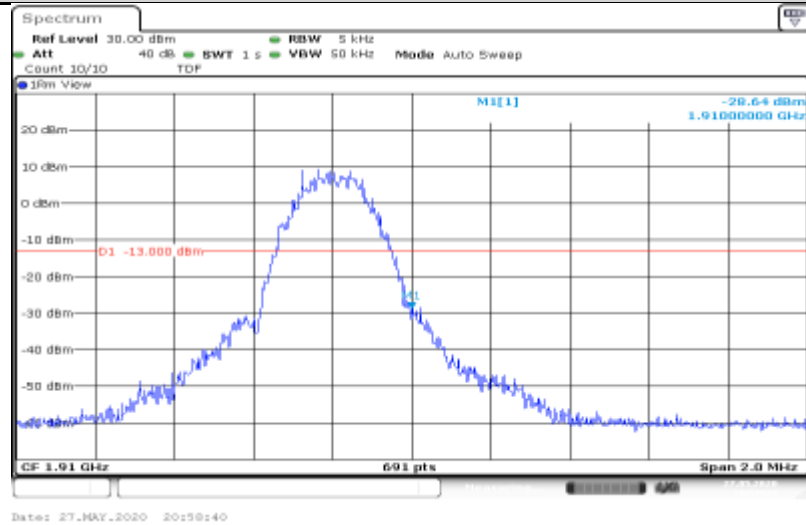
GPRS1900-810-0-1910.02



EGPRS1900-512-2-1849.99



EGPRS1900-810-2-1910.00



1.5 Conducted Spurious Emission

1.5.1 Test Result

Band	Channel	PCL	Frequency Range(MHz)	Max.Freq. (MHz)	Result (dBm)	Limit (dBm)	Verdict
GSM850	128	3	0.009~0.15MHz	0.01	-57.93	-33	PASS
GSM850	128	3	0.15~30MHz	0.2	-62.14	-13	PASS
GSM850	128	3	30~1000MHz	958.19	-44.03	-13	PASS
GSM850	128	3	1000~1500MHz	1465.13	-44.14	-13	PASS
GSM850	128	3	1500~3000MHz	2946.03	-44.86	-13	PASS
GSM850	128	3	3000~10000MHz	6917.42	-48.09	-13	PASS
GSM850	190	3	0.009~0.15MHz	0.02	-58.7	-33	PASS
GSM850	190	3	0.15~30MHz	0.17	-61.91	-13	PASS
GSM850	190	3	30~1000MHz	985.74	-45.08	-13	PASS
GSM850	190	3	1000~1500MHz	1453.78	-44.02	-13	PASS
GSM850	190	3	1500~3000MHz	2961.93	-44.68	-13	PASS
GSM850	190	3	3000~10000MHz	6912.99	-48.02	-13	PASS
GSM850	251	3	0.009~0.15MHz	0.02	-58.15	-33	PASS
GSM850	251	3	0.15~30MHz	0.23	-62.57	-13	PASS
GSM850	251	3	30~1000MHz	975.78	-45.12	-13	PASS
GSM850	251	3	1000~1500MHz	1451.53	-44.04	-13	PASS
GSM850	251	3	1500~3000MHz	2971.28	-44.64	-13	PASS
GSM850	251	3	3000~10000MHz	6906.22	-47.99	-13	PASS
GPRS850	128	3	0.009~0.15MHz	0.02	-58.2	-33	PASS
GPRS850	128	3	0.15~30MHz	0.21	-61.55	-13	PASS
GPRS850	128	3	30~1000MHz	941.15	-44.45	-13	PASS
GPRS850	128	3	1000~1500MHz	1456.49	-43.95	-13	PASS
GPRS850	128	3	1500~3000MHz	2546.49	-36.38	-13	PASS
GPRS850	128	3	3000~10000MHz	6916.72	-48.09	-13	PASS
GPRS850	190	3	0.009~0.15MHz	0.01	-58.63	-33	PASS
GPRS850	190	3	0.15~30MHz	0.32	-62.49	-13	PASS
GPRS850	190	3	30~1000MHz	979.99	-44.46	-13	PASS
GPRS850	190	3	1000~1500MHz	1466.09	-44.02	-13	PASS
GPRS850	190	3	1500~3000MHz	2546.64	-50.96	-13	PASS
GPRS850	190	3	3000~10000MHz	6924.19	-48.07	-13	PASS
GPRS850	251	3	0.009~0.15MHz	0.02	-57.18	-33	PASS
GPRS850	251	3	0.15~30MHz	0.22	-62.25	-13	PASS
GPRS850	251	3	30~1000MHz	997.9	-44.2	-13	PASS
GPRS850	251	3	1000~1500MHz	1451.18	-43.87	-13	PASS
GPRS850	251	3	1500~3000MHz	2510.74	-34.82	-13	PASS
GPRS850	251	3	3000~10000MHz	4185.41	-44.36	-13	PASS
EGPRS850	128	8	0.009~0.15MHz	0.02	-58.24	-33	PASS
EGPRS850	128	8	0.15~30MHz	0.17	-59.58	-13	PASS
EGPRS850	128	8	30~1000MHz	954.41	-43.11	-13	PASS
EGPRS850	128	8	1000~1500MHz	1489.53	-44.1	-13	PASS
EGPRS850	128	8	1500~3000MHz	2959.63	-44.75	-13	PASS
EGPRS850	128	8	3000~10000MHz	6911.35	-48.08	-13	PASS
EGPRS850	190	8	0.009~0.15MHz	0.02	-58.31	-33	PASS
EGPRS850	190	8	0.15~30MHz	0.15	-59.78	-13	PASS
EGPRS850	190	8	30~1000MHz	598.78	-44.02	-13	PASS
EGPRS850	190	8	1000~1500MHz	1491.34	-44.12	-13	PASS
EGPRS850	190	8	1500~3000MHz	2973.78	-44.71	-13	PASS
EGPRS850	190	8	3000~10000MHz	6923.02	-47.92	-13	PASS
EGPRS850	251	8	0.009~0.15MHz	0.02	-59.18	-33	PASS

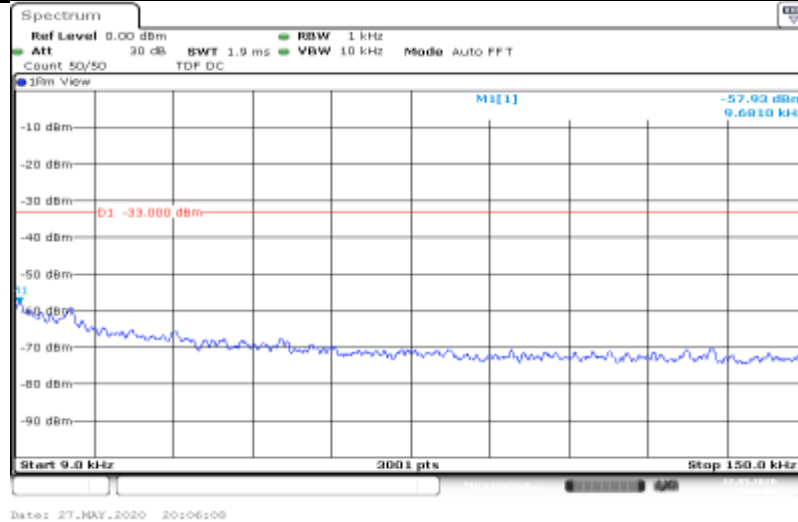
EGPRS850	251	8	0.15~30MHz	0.19	-61.92	-13	PASS
EGPRS850	251	8	30~1000MHz	970.35	-44.53	-13	PASS
EGPRS850	251	8	1000~1500MHz	1449.73	-44.1	-13	PASS
EGPRS850	251	8	1500~3000MHz	2967.13	-44.73	-13	PASS
EGPRS850	251	8	3000~10000MHz	6915.09	-48.08	-13	PASS
GSM1900	512	0	0.009~0.15MHz	0.01	-60.54	-43	PASS
GSM1900	512	0	0.15~30MHz	0.58	-62.61	-23	PASS
GSM1900	512	0	30~1000MHz	901.53	-44.14	-13	PASS
GSM1900	512	0	1000~3000MHz	2958.67	-41.35	-13	PASS
GSM1900	512	0	3000~10000MHz	5640.43	-47.59	-13	PASS
GSM1900	512	0	10000~18000MHz	17632.41	-38.17	-13	PASS
GSM1900	661	0	0.009~0.15MHz	0.02	-59.78	-43	PASS
GSM1900	661	0	0.15~30MHz	0.25	-62.77	-23	PASS
GSM1900	661	0	30~1000MHz	975.96	-43.45	-13	PASS
GSM1900	661	0	1000~3000MHz	2960.33	-41.43	-13	PASS
GSM1900	661	0	3000~10000MHz	5639.96	-44.8	-13	PASS
GSM1900	661	0	10000~18000MHz	17630.81	-38.09	-13	PASS
GSM1900	810	0	0.009~0.15MHz	0.02	-59.7	-43	PASS
GSM1900	810	0	0.15~30MHz	0.4	-61.1	-23	PASS
GSM1900	810	0	30~1000MHz	953.39	-43.11	-13	PASS
GSM1900	810	0	1000~3000MHz	2975.47	-41.13	-13	PASS
GSM1900	810	0	3000~10000MHz	6914.85	-47.99	-13	PASS
GSM1900	810	0	10000~18000MHz	17648.41	-37.94	-13	PASS
GPRS1900	512	0	0.009~0.15MHz	0.02	-59.57	-43	PASS
GPRS1900	512	0	0.15~30MHz	0.17	-61.65	-23	PASS
GPRS1900	512	0	30~1000MHz	506.21	-44.19	-13	PASS
GPRS1900	512	0	1000~3000MHz	2995.67	-41.45	-13	PASS
GPRS1900	512	0	3000~10000MHz	6940.75	-47.88	-13	PASS
GPRS1900	512	0	10000~18000MHz	17637.48	-37.97	-13	PASS
GPRS1900	661	0	0.009~0.15MHz	0.02	-58.87	-43	PASS
GPRS1900	661	0	0.15~30MHz	0.23	-62.01	-23	PASS
GPRS1900	661	0	30~1000MHz	969.85	-43.94	-13	PASS
GPRS1900	661	0	1000~3000MHz	2946.67	-41.41	-13	PASS
GPRS1900	661	0	3000~10000MHz	6901.55	-48.17	-13	PASS
GPRS1900	661	0	10000~18000MHz	17639.08	-38.1	-13	PASS
GPRS1900	810	0	0.009~0.15MHz	0.02	-60.64	-43	PASS
GPRS1900	810	0	0.15~30MHz	0.19	-62.61	-23	PASS
GPRS1900	810	0	30~1000MHz	936.42	-44.35	-13	PASS
GPRS1900	810	0	1000~3000MHz	2975.53	-41.52	-13	PASS
GPRS1900	810	0	3000~10000MHz	5729.33	-47.46	-13	PASS
GPRS1900	810	0	10000~18000MHz	17647.08	-37.84	-13	PASS
EGPRS1900	512	2	0.009~0.15MHz	0.02	-59.11	-43	PASS
EGPRS1900	512	2	0.15~30MHz	0.17	-58.98	-23	PASS
EGPRS1900	512	2	30~1000MHz	929.69	-44.07	-13	PASS
EGPRS1900	512	2	1000~3000MHz	2961.33	-41.41	-13	PASS
EGPRS1900	512	2	3000~10000MHz	5640.2	-42.73	-13	PASS
EGPRS1900	512	2	10000~18000MHz	17637.21	-38.07	-13	PASS
EGPRS1900	661	2	0.009~0.15MHz	0.02	-59.16	-43	PASS
EGPRS1900	661	2	0.15~30MHz	0.18	-61.84	-23	PASS
EGPRS1900	661	2	30~1000MHz	859.05	-44.32	-13	PASS
EGPRS1900	661	2	1000~3000MHz	2973.2	-41.23	-13	PASS
EGPRS1900	661	2	3000~10000MHz	5639.5	-47.13	-13	PASS
EGPRS1900	661	2	10000~18000MHz	17648.95	-38.15	-13	PASS
EGPRS1900	810	2	0.009~0.15MHz	0.02	-58.06	-43	PASS
EGPRS1900	810	2	0.15~30MHz	29.2	-62.58	-23	PASS
EGPRS1900	810	2	30~1000MHz	981.39	-44.65	-13	PASS
EGPRS1900	810	2	1000~3000MHz	2965.73	-41.46	-13	PASS

Produkte
Products

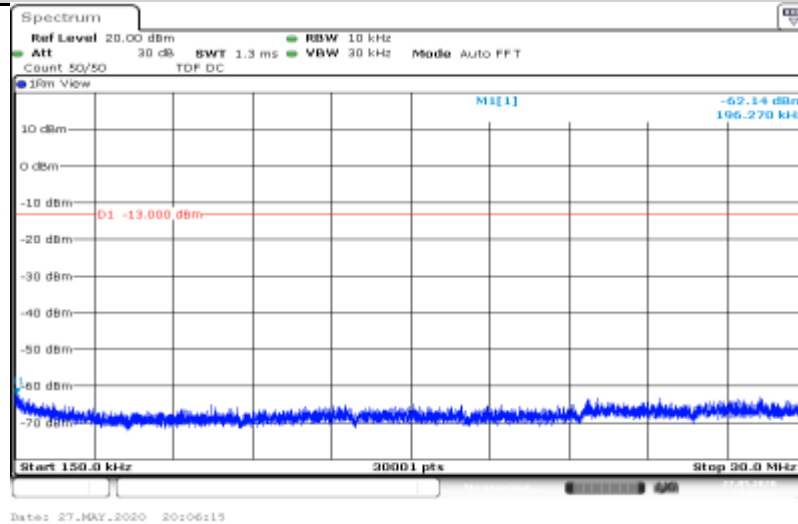
EGPRS1900	810	2	3000~10000MHz	6926.75	-48.02	-13	PASS
EGPRS1900	810	2	10000~18000MHz	17634.81	-38.16	-13	PASS

1.5.2 Test Graphs

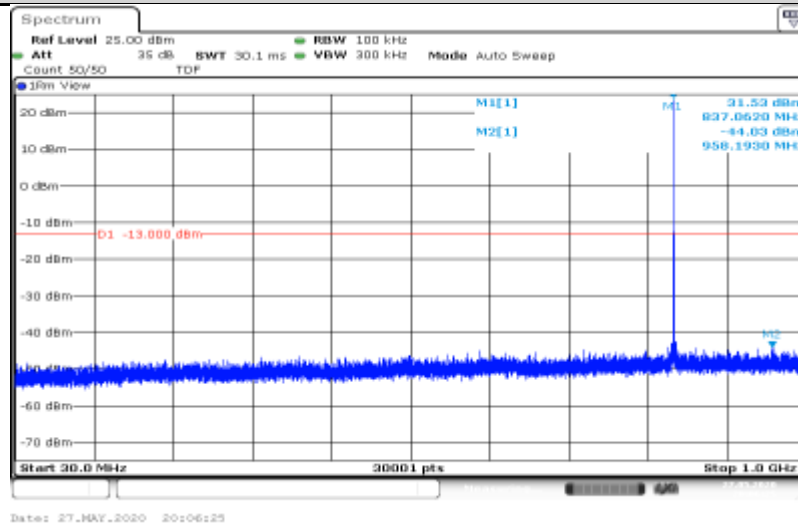
GSM850-128-3-0.009~0.15MHz-0.01



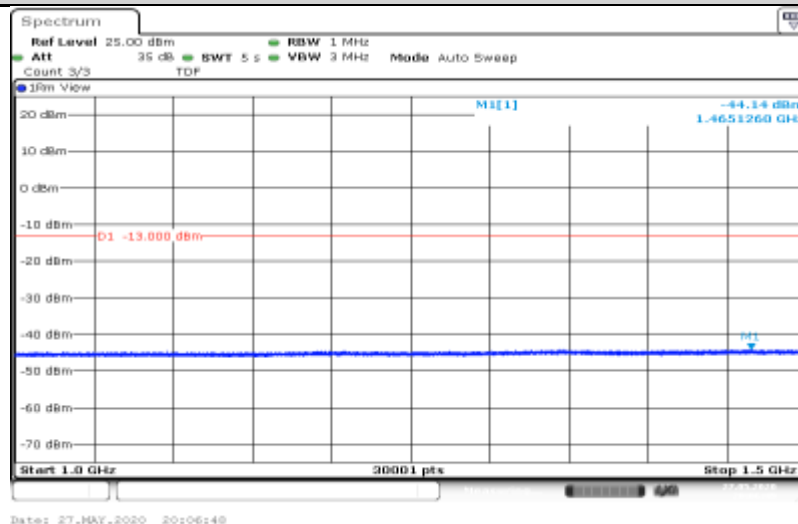
GSM850-128-3-0.15~30MHz-0.2



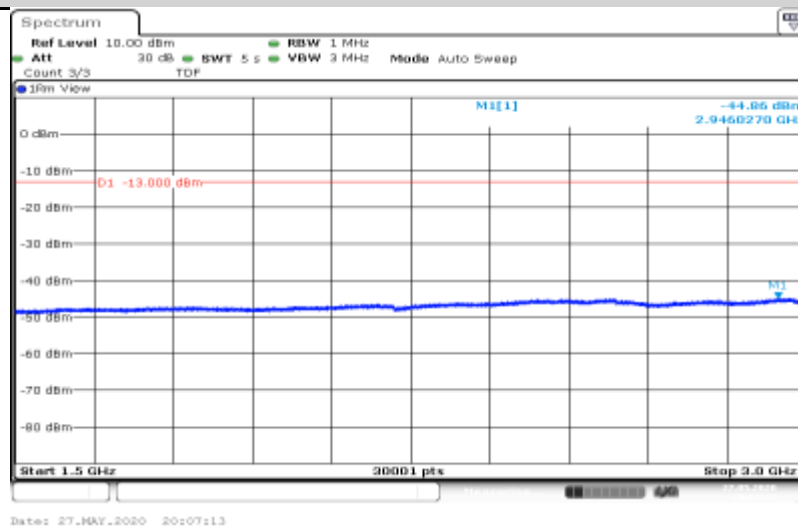
GSM850-128-3-30~1000MHz-958.19



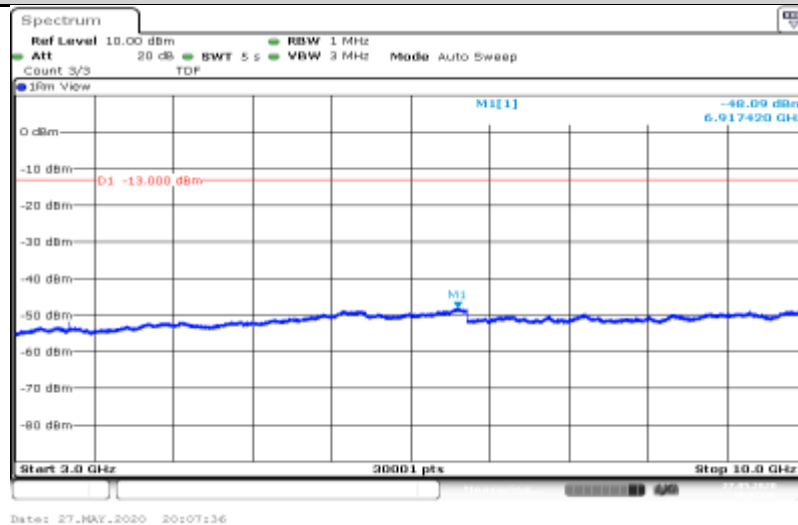
GSM850-128-3-1000~1500MHz-1465.13



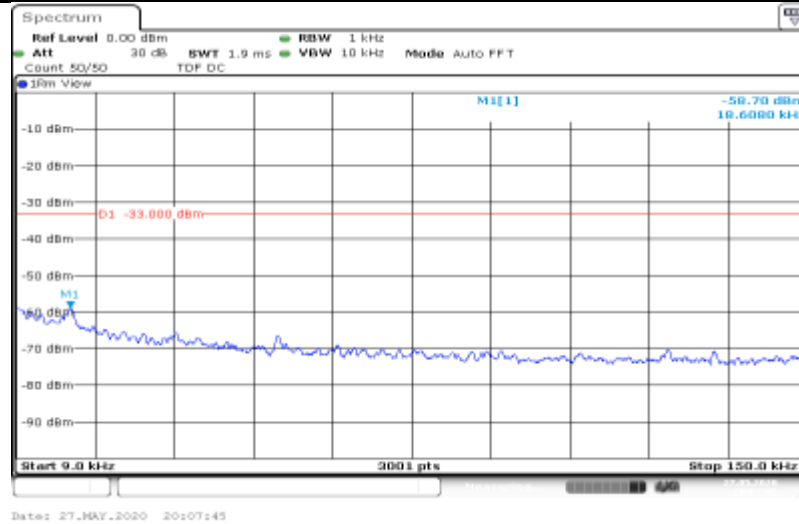
GSM850-128-3-1500~3000MHz-2946.03



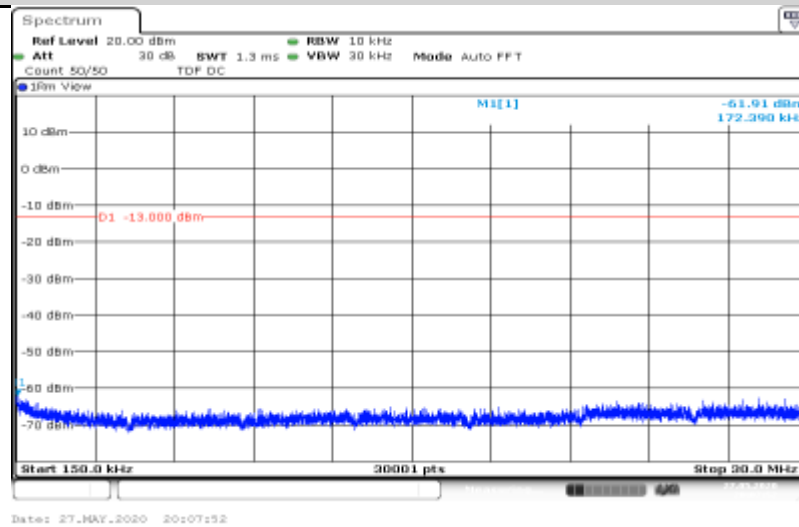
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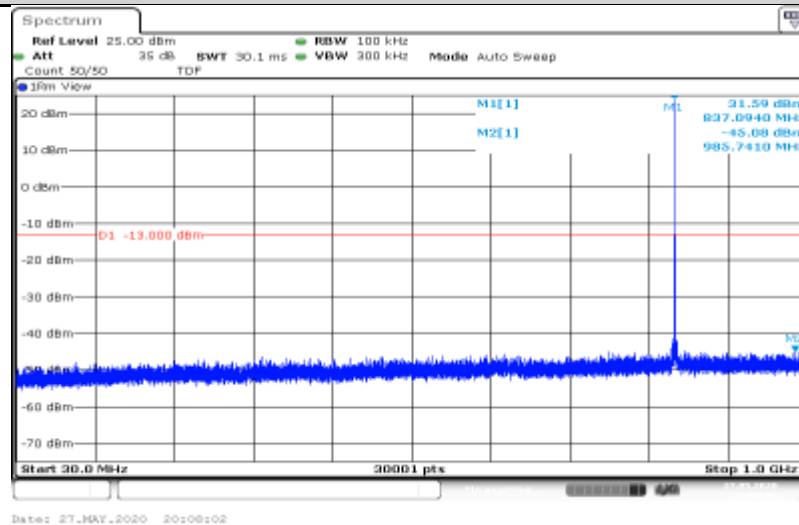
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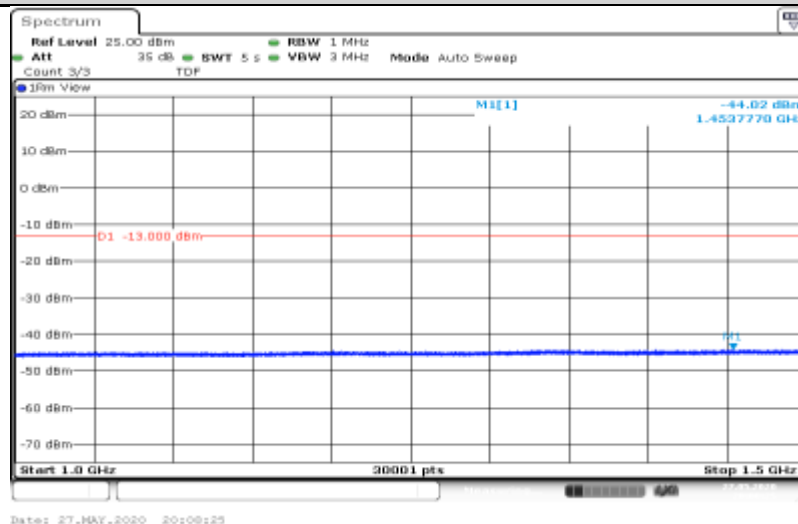
GSM850-190-3-0.15~30MHz-0.17



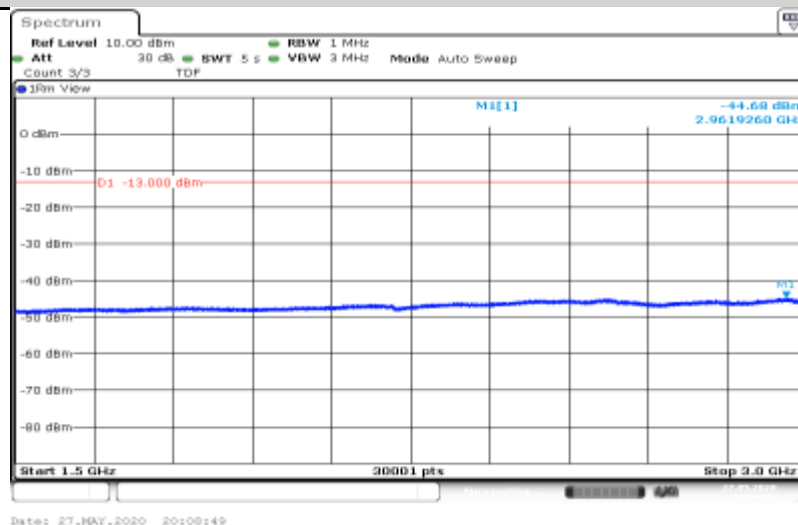
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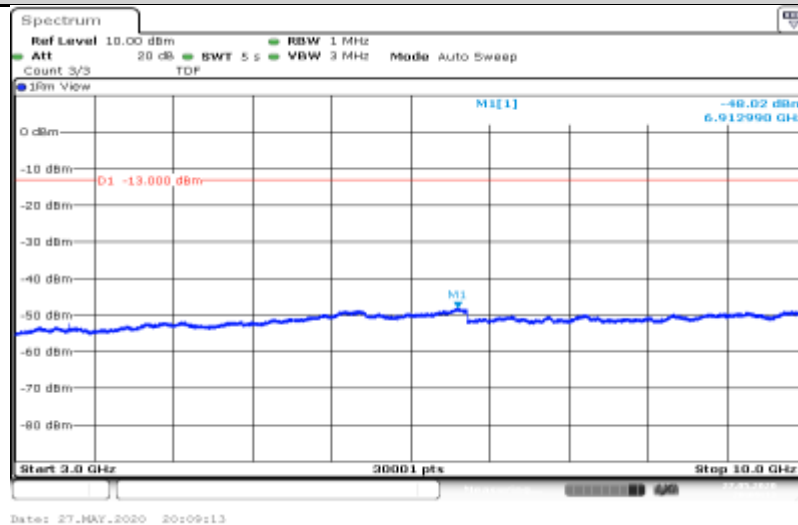
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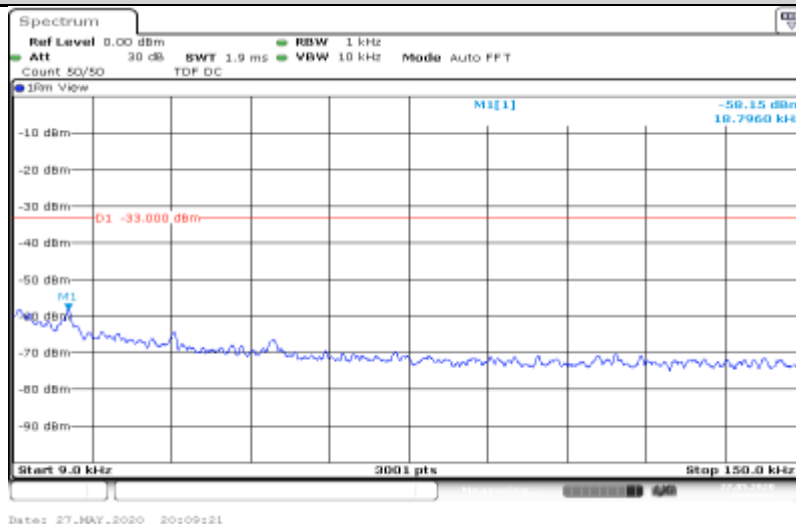
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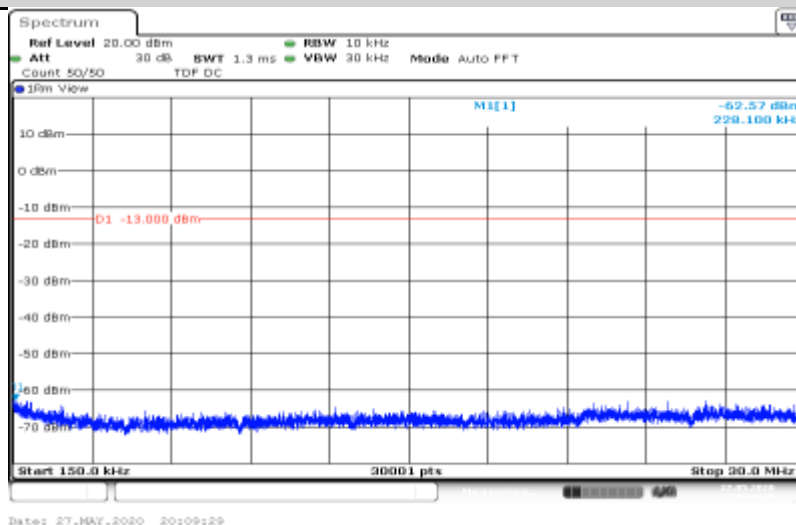
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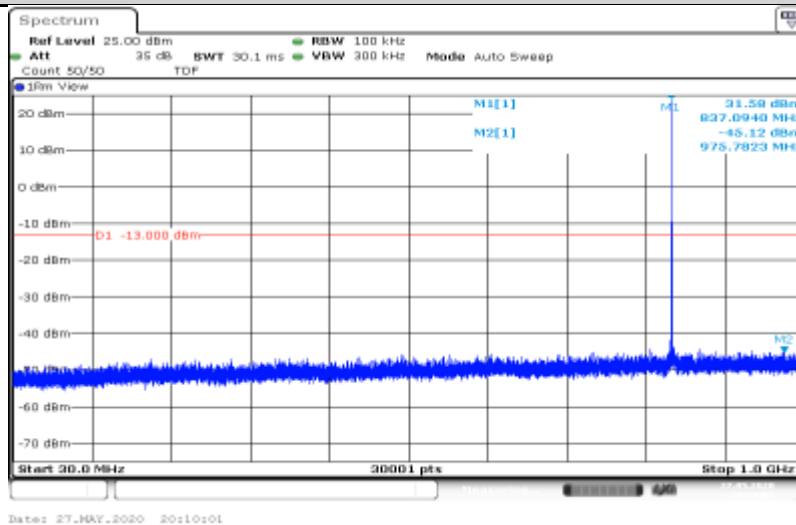
GSM850-251-3-0.009~0.15MHz-0.02



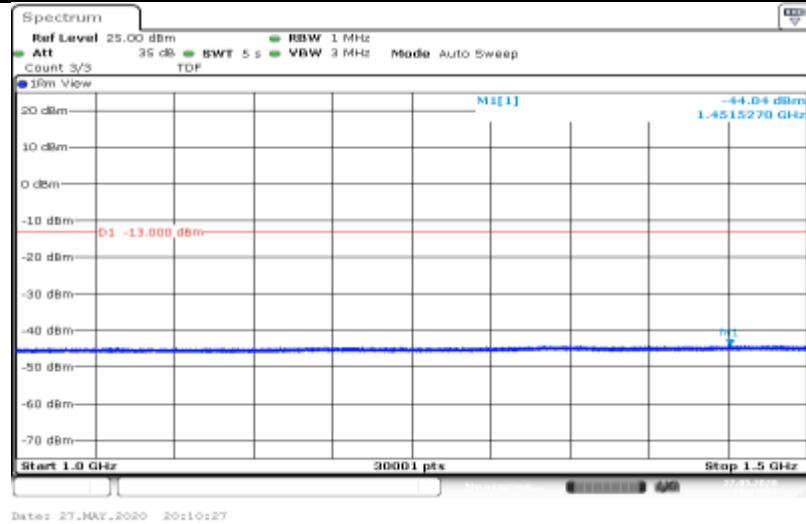
GSM850-251-3-0.15~30MHz-0.23



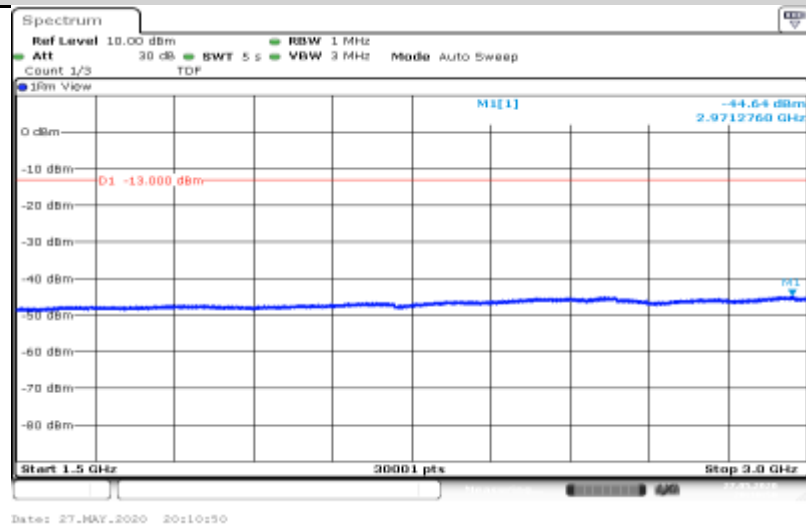
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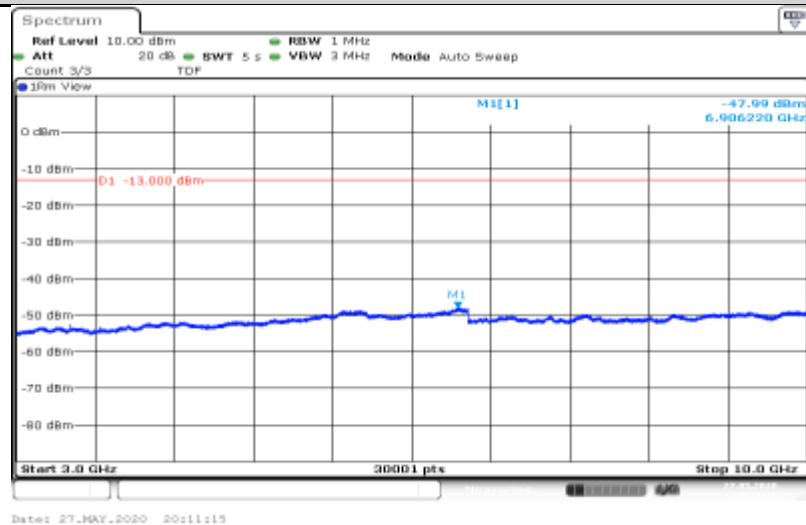
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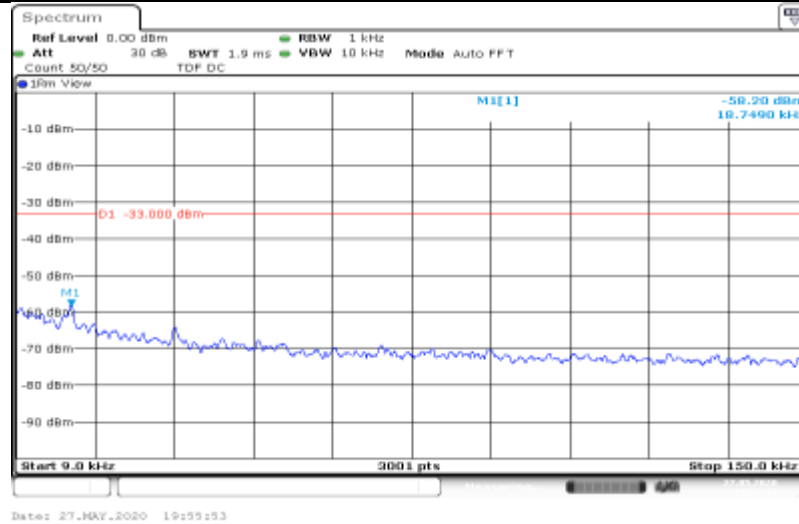
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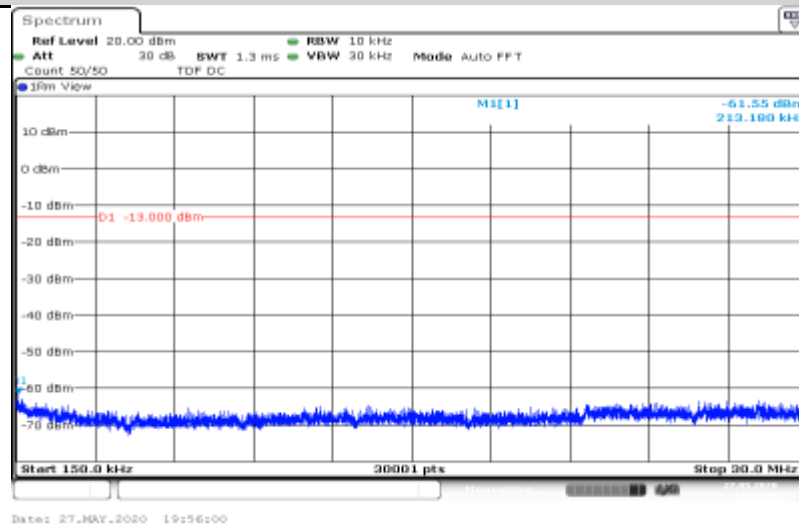
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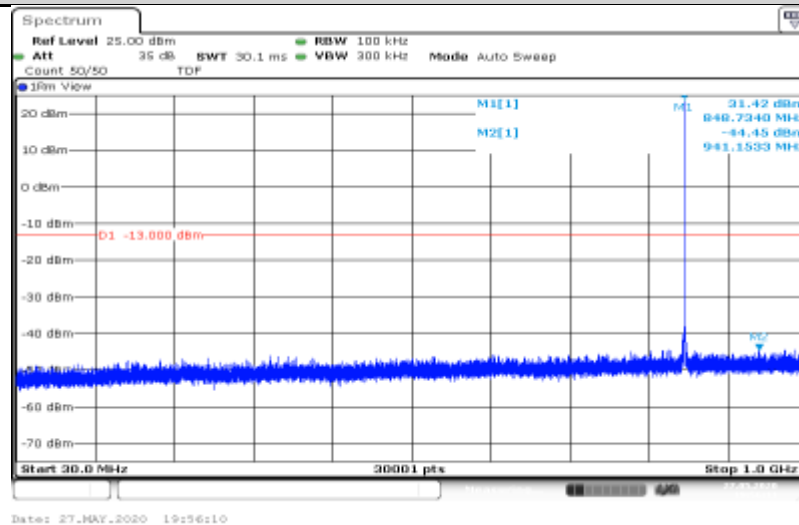
GPRS850-128-3-0.009~0.15MHz-0.02



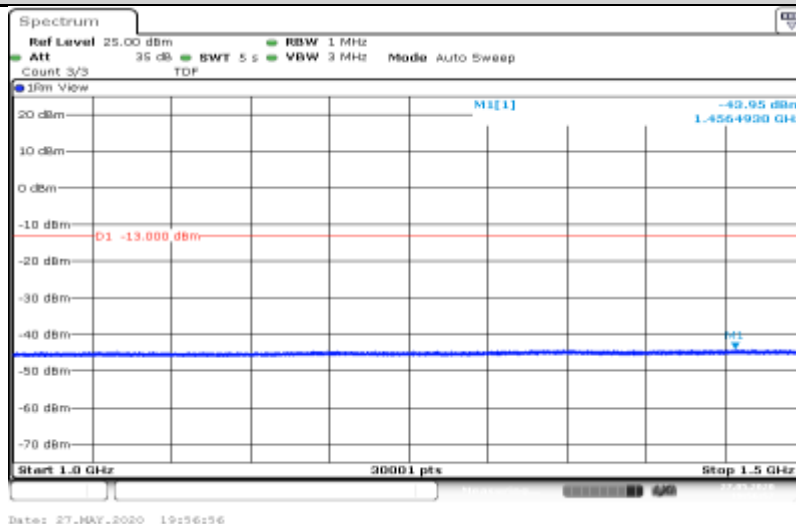
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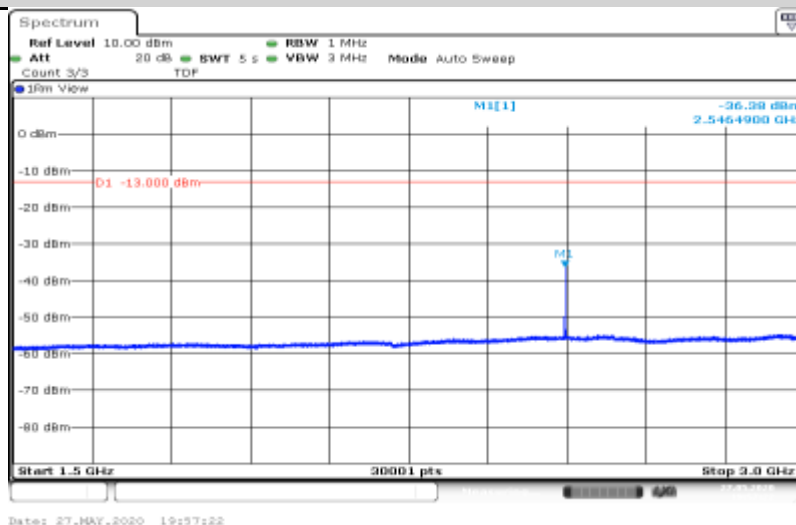
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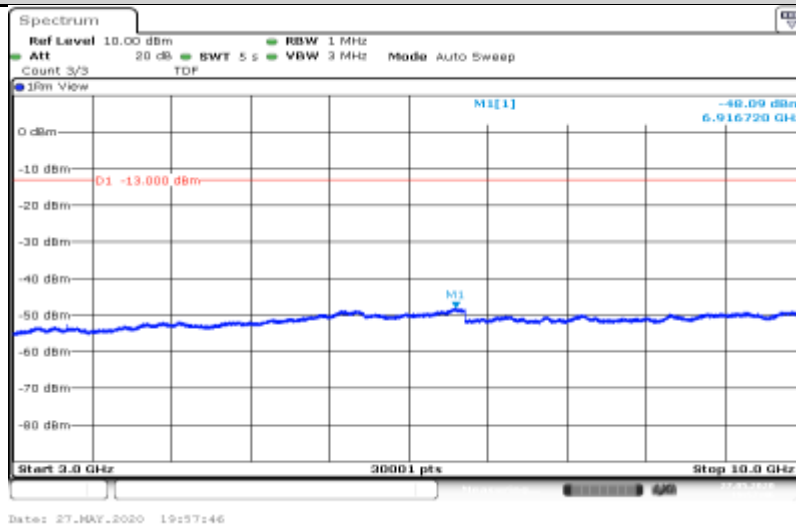
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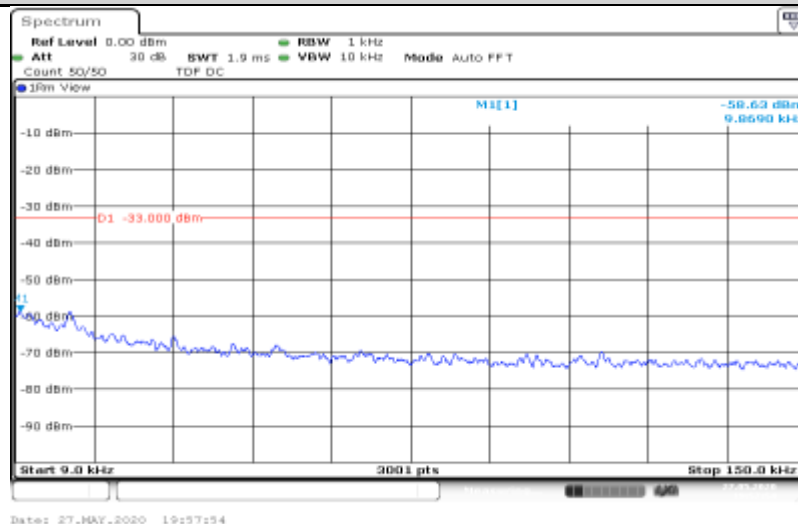
GPRS850-128-3-1500~3000MHz-2546.49



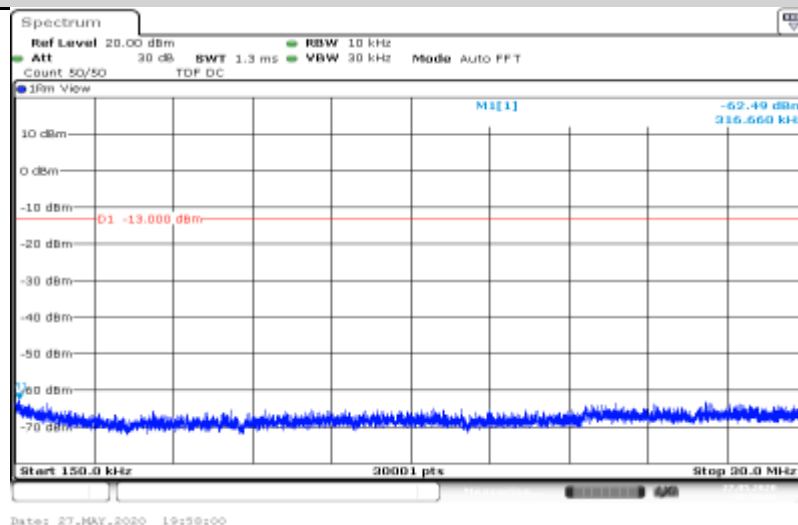
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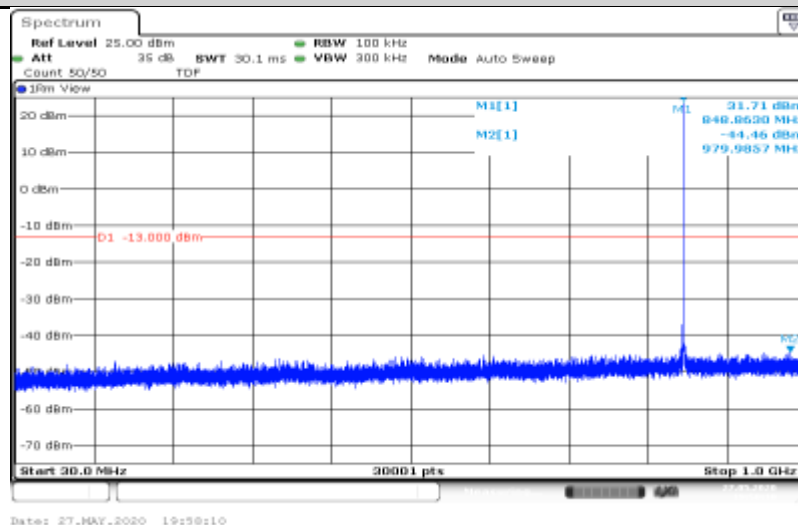
GPRS850-190-3-0.009~0.15MHz-0.01



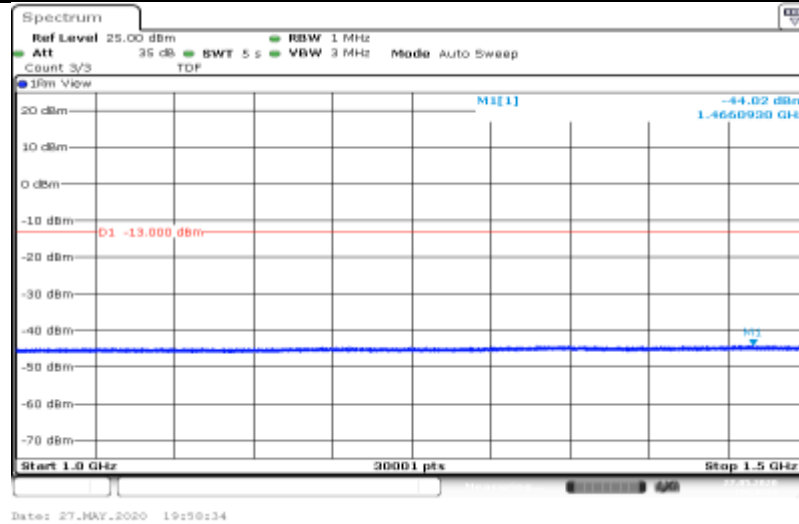
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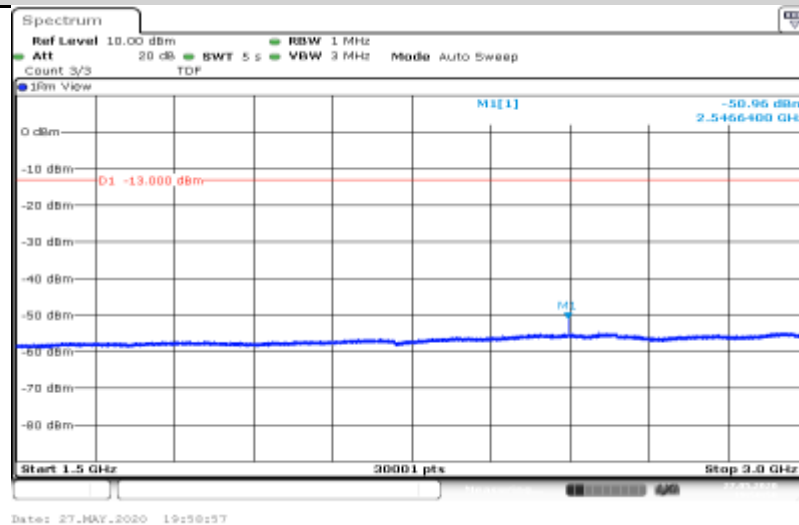
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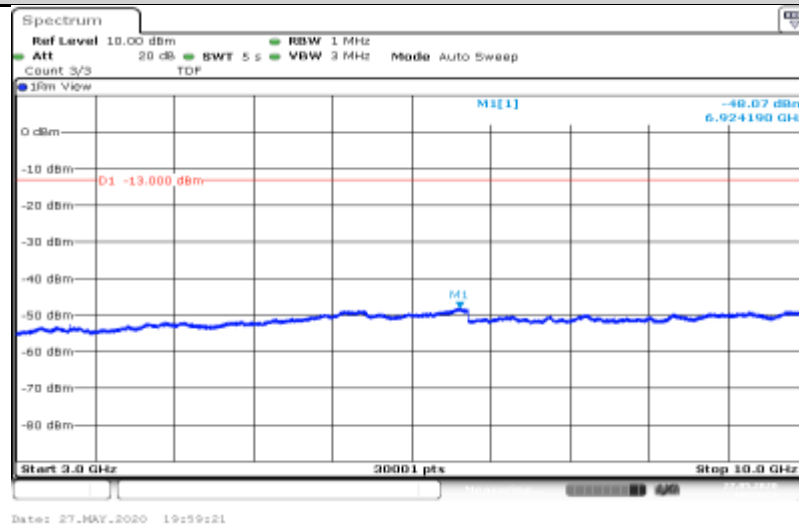
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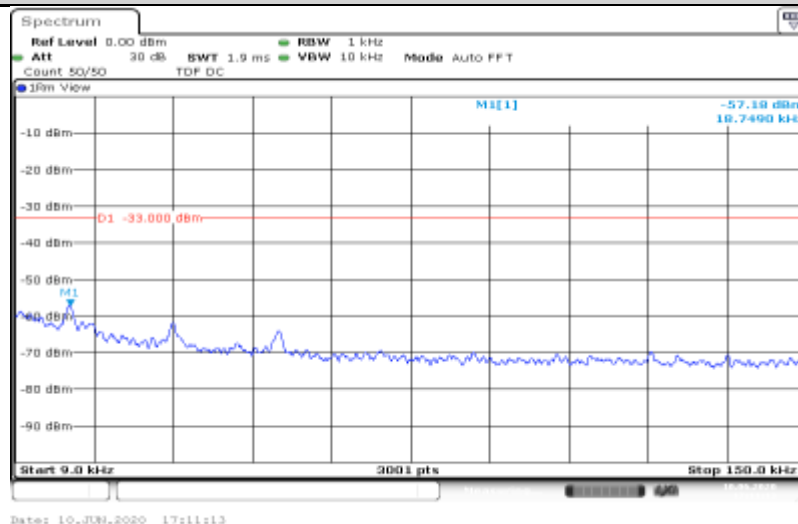
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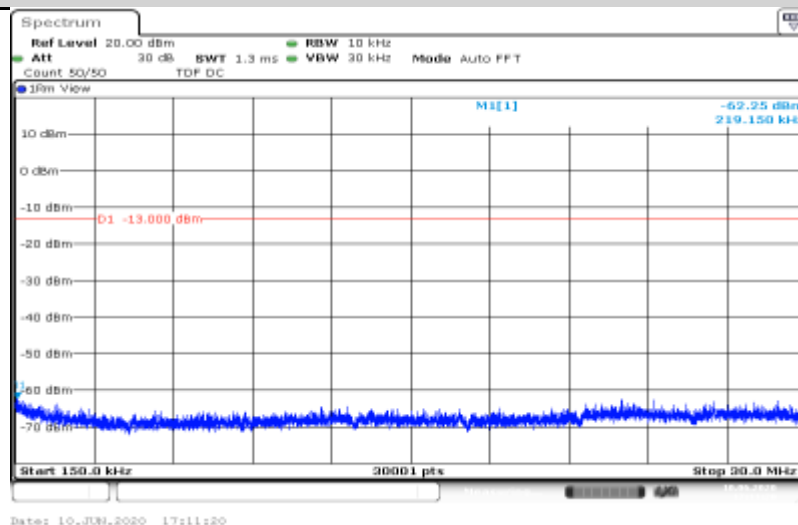
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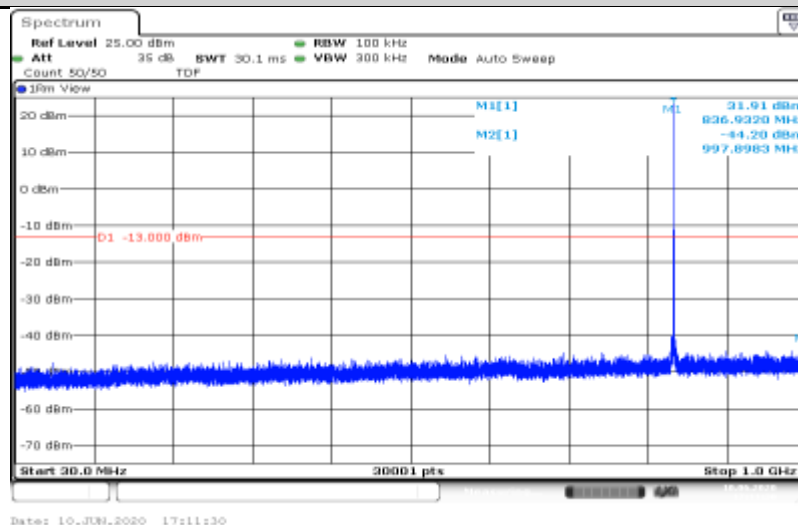
GPRS850-251-3-0.009~0.15MHz-0.02



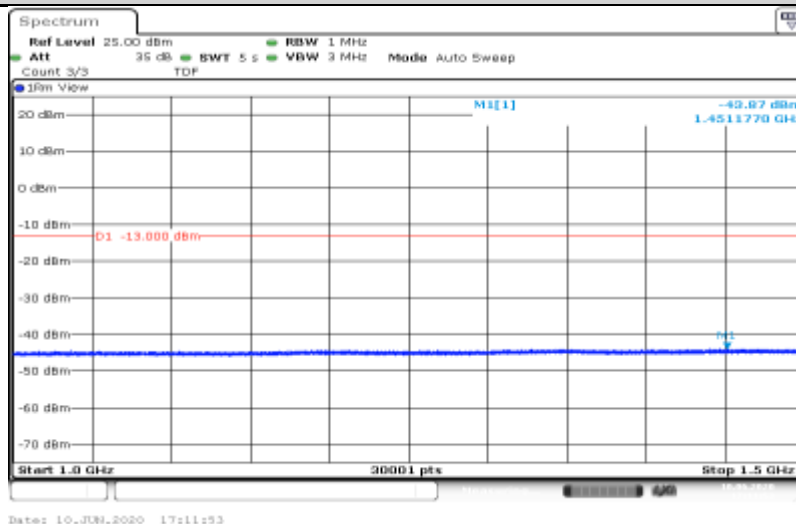
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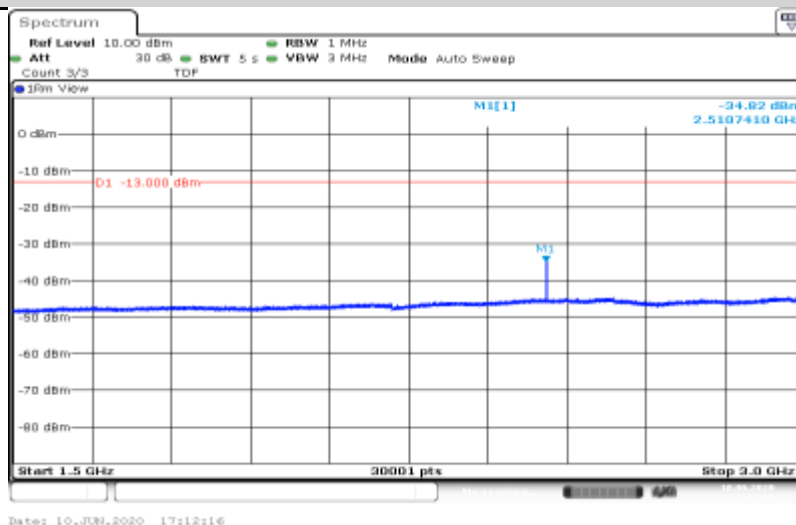
GPRS850-251-3-30~1000MHz-997.9



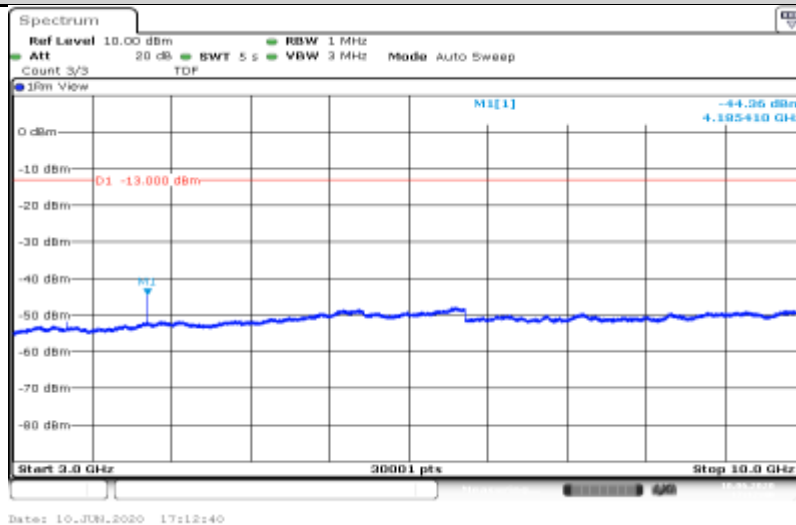
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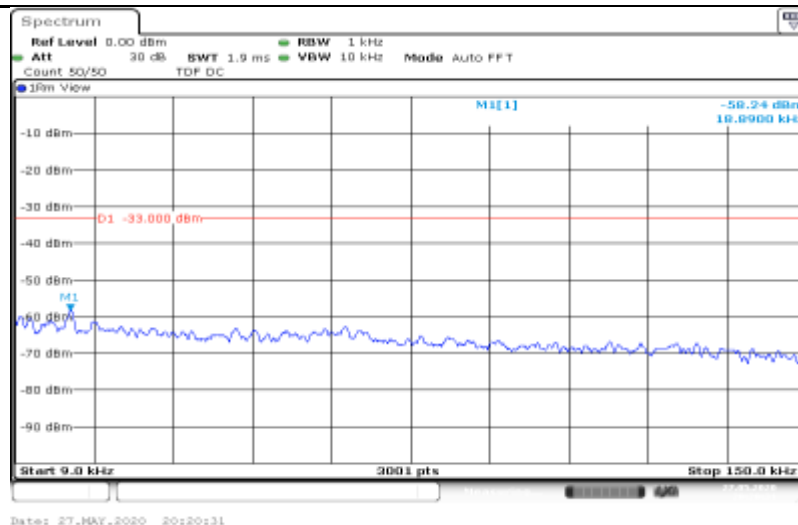
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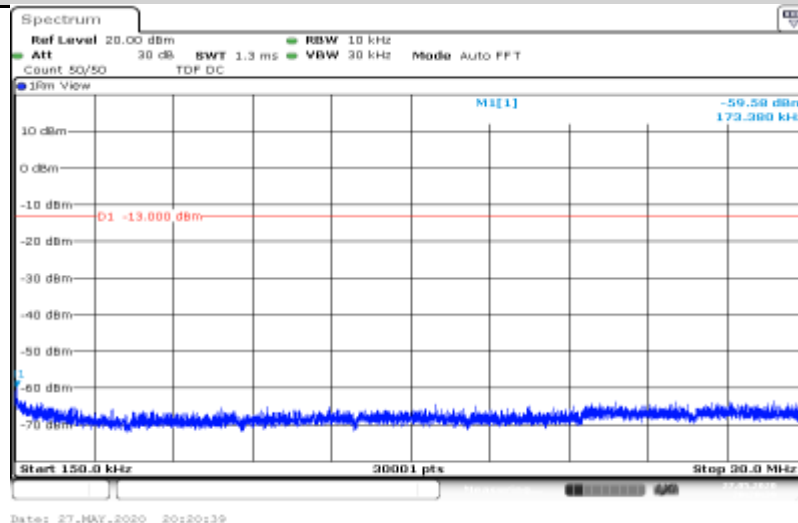
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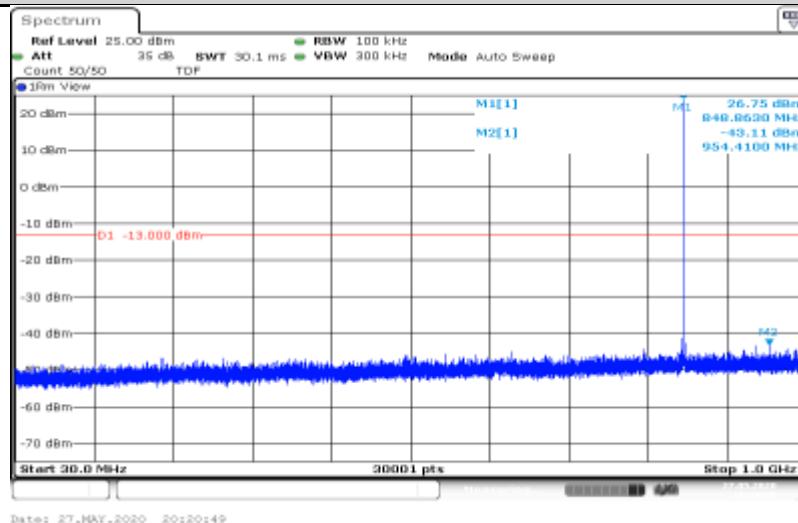
EGPRS850-128-8-0.009~0.15MHz-0.02



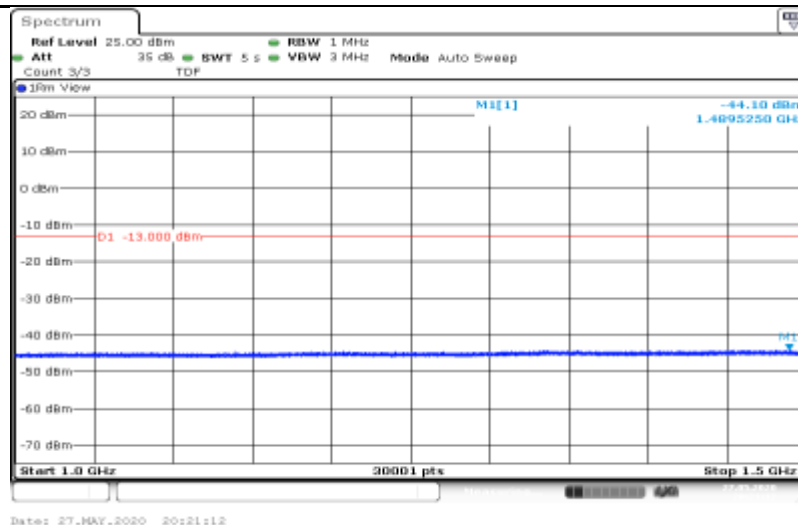
EGPRS850-128-8-0.15~30MHz-0.17



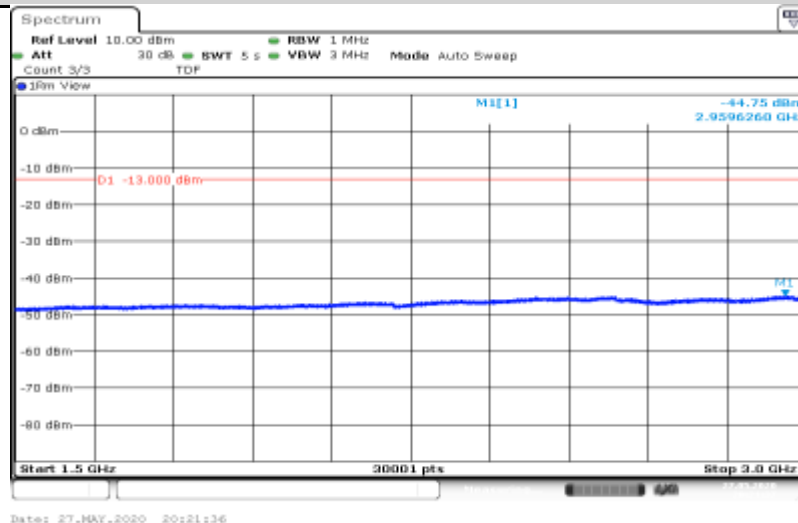
EGPRS850-128-8-30~1000MHz-954.41



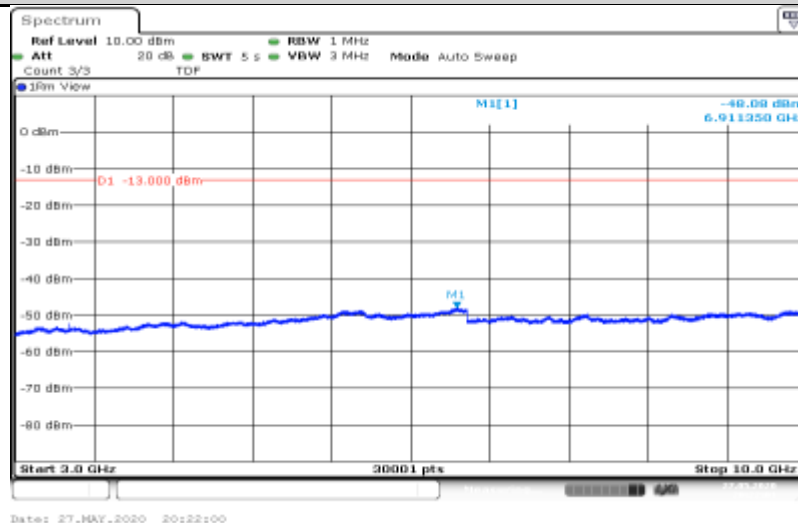
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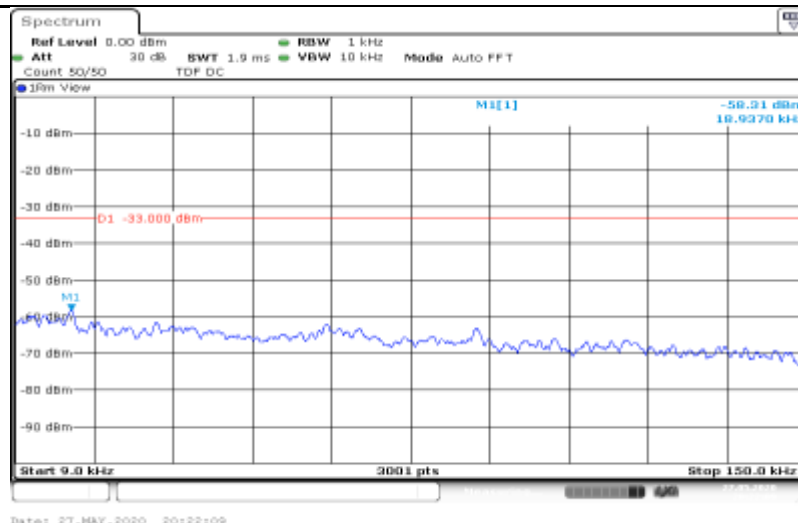
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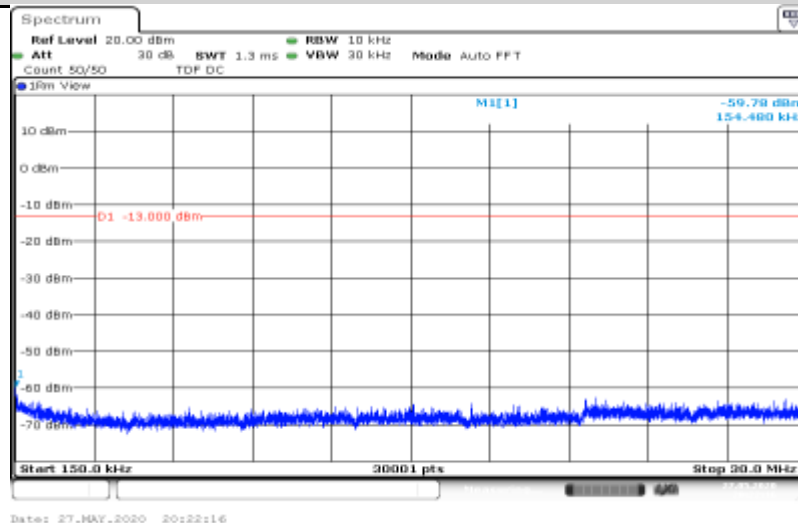
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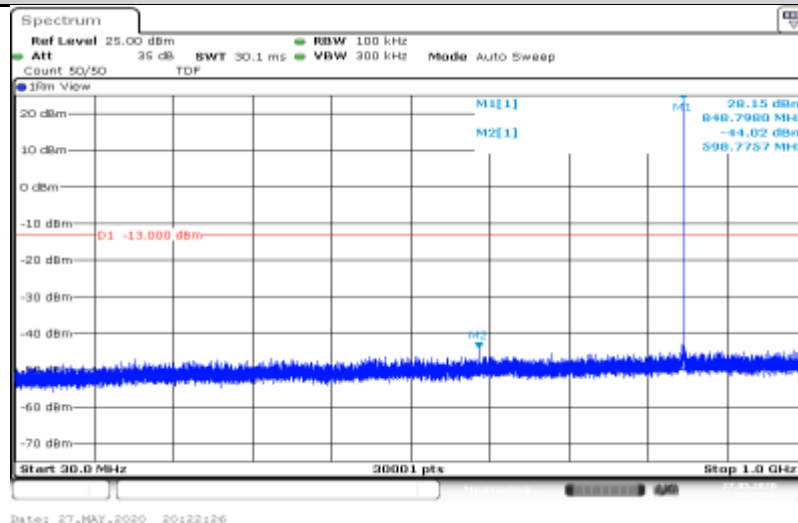
EGPRS850-190-8-0.009~0.15MHz-0.02



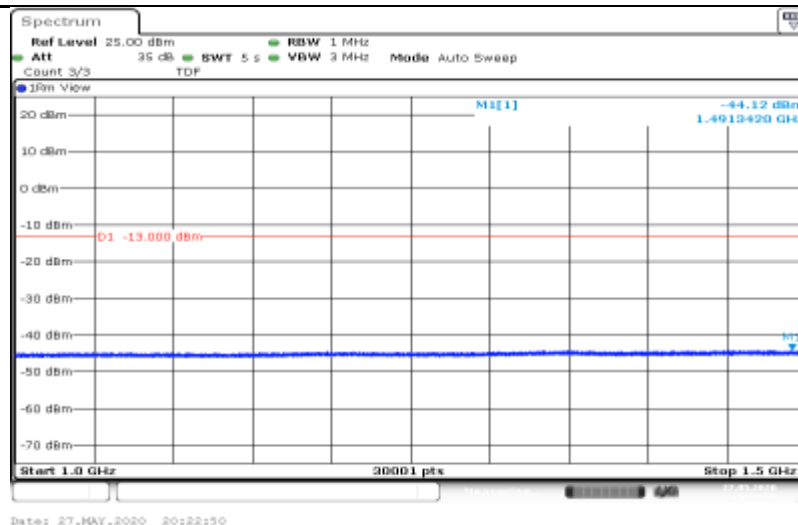
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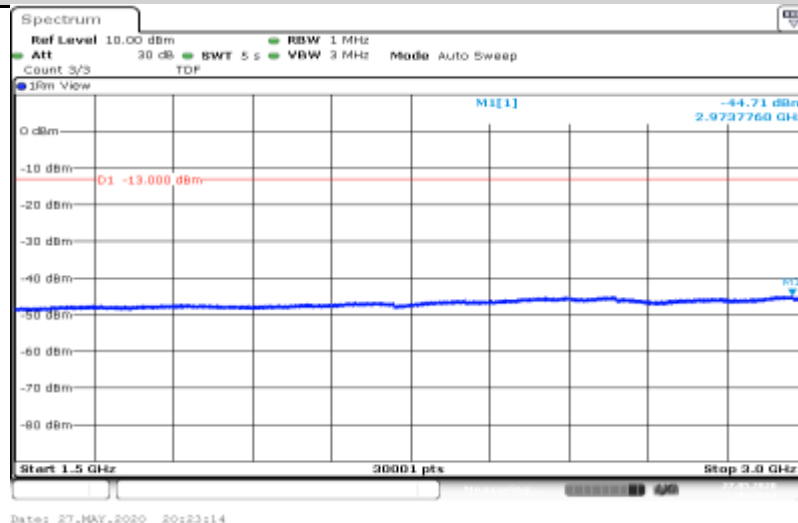
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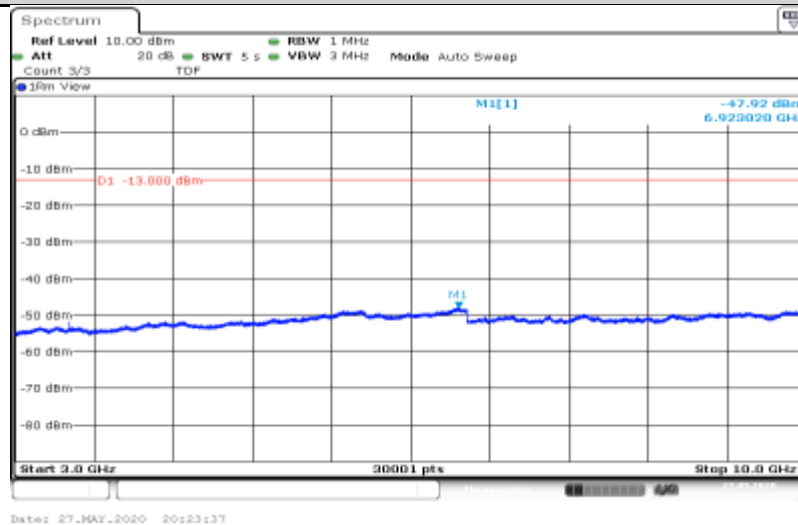
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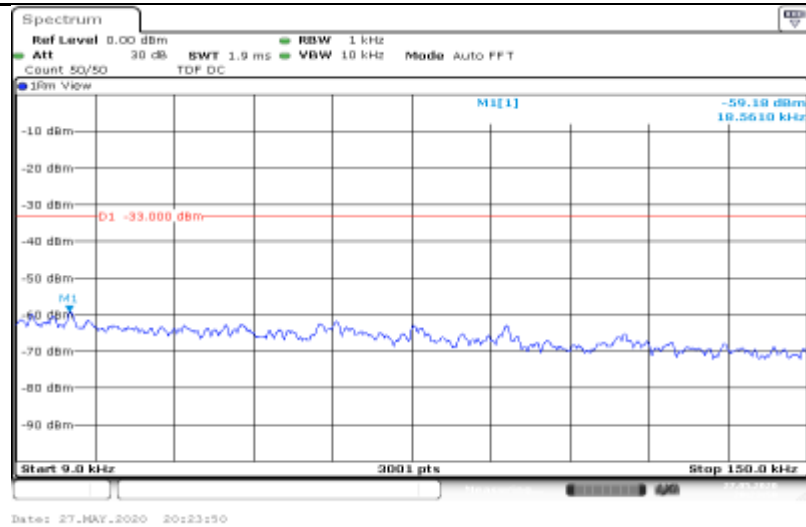
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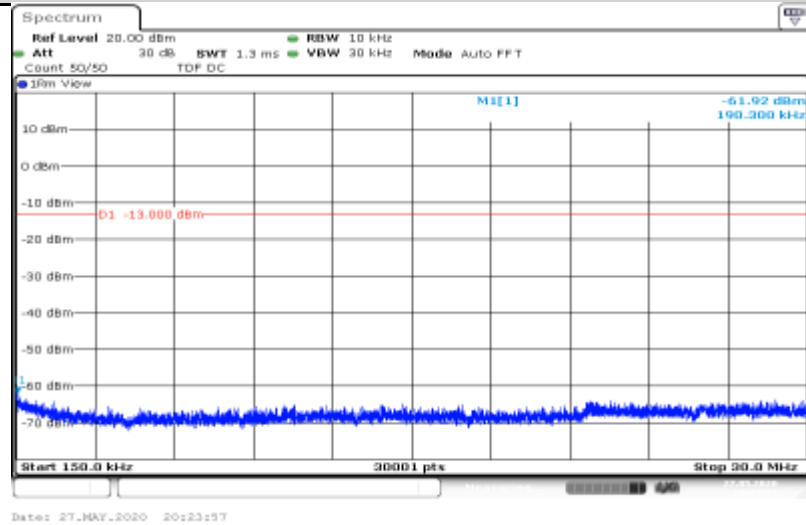
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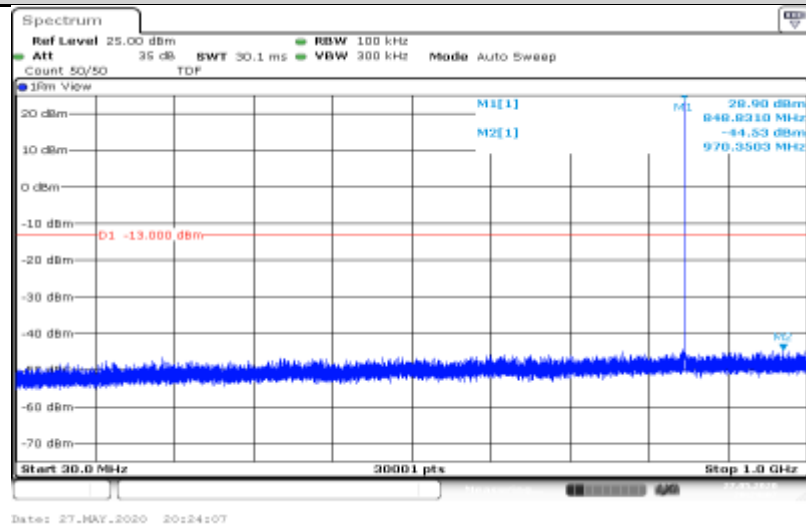
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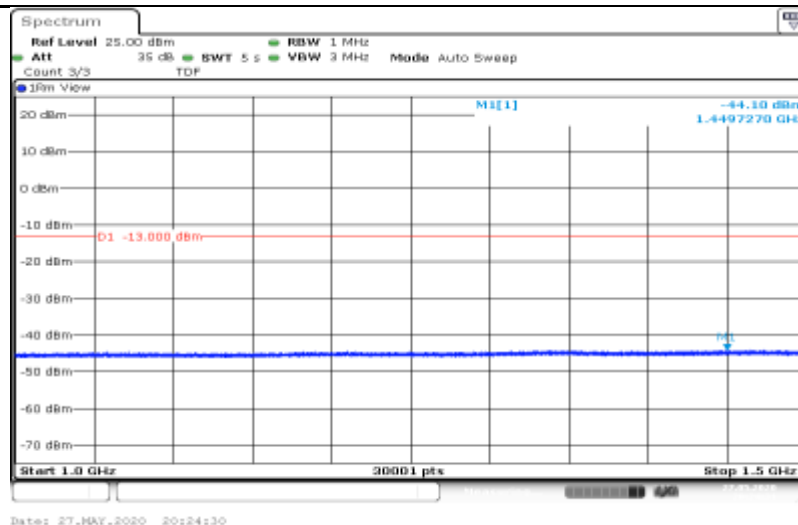
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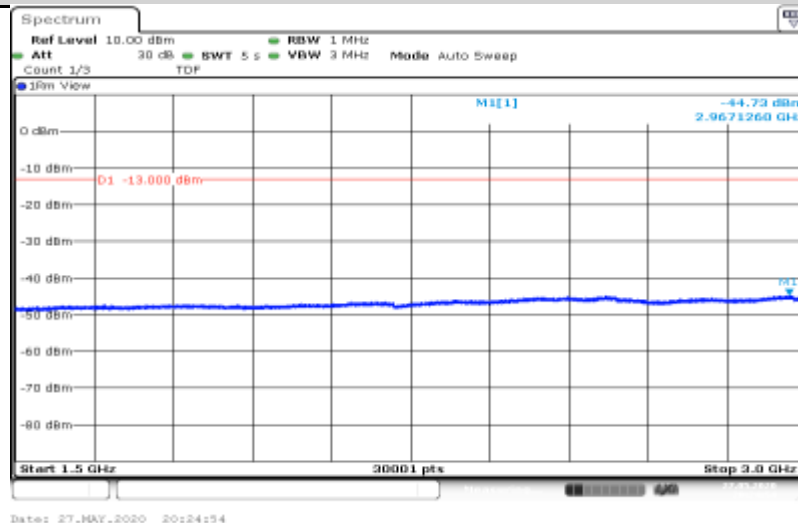
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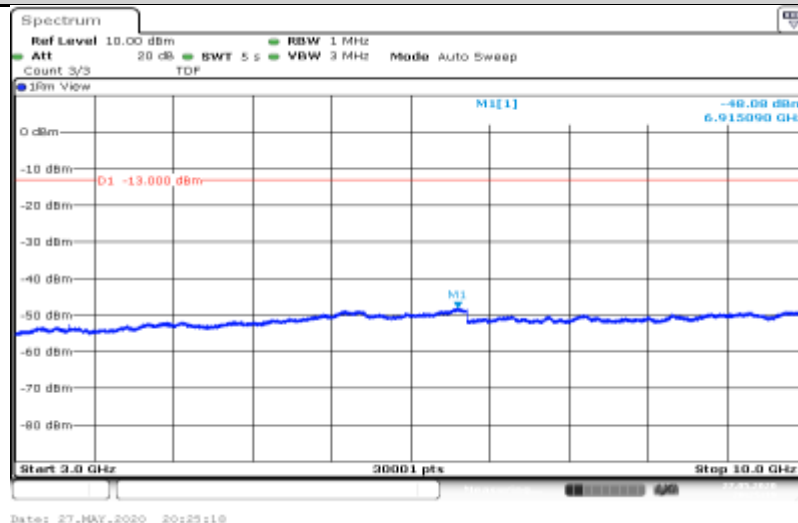
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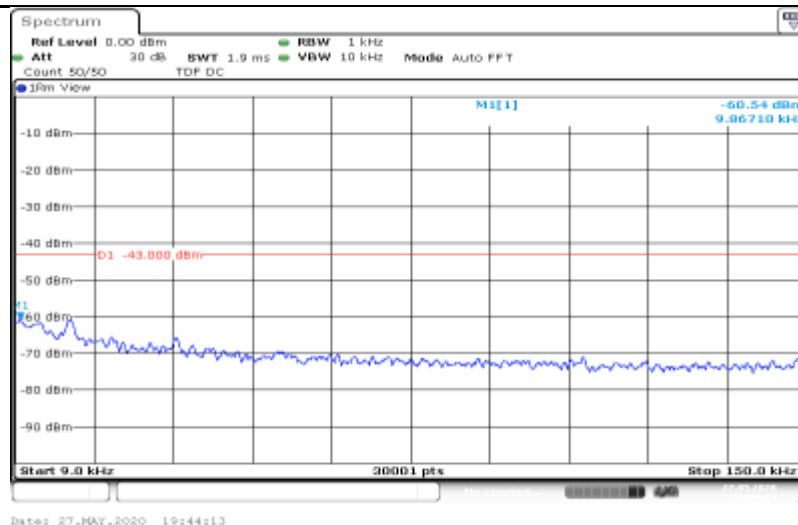
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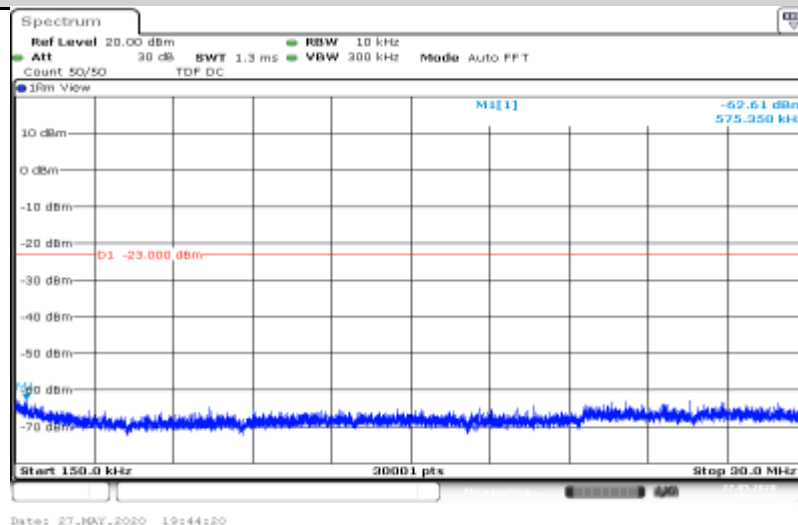
EGPRS850-251-8-3000~10000MHz-6915.09



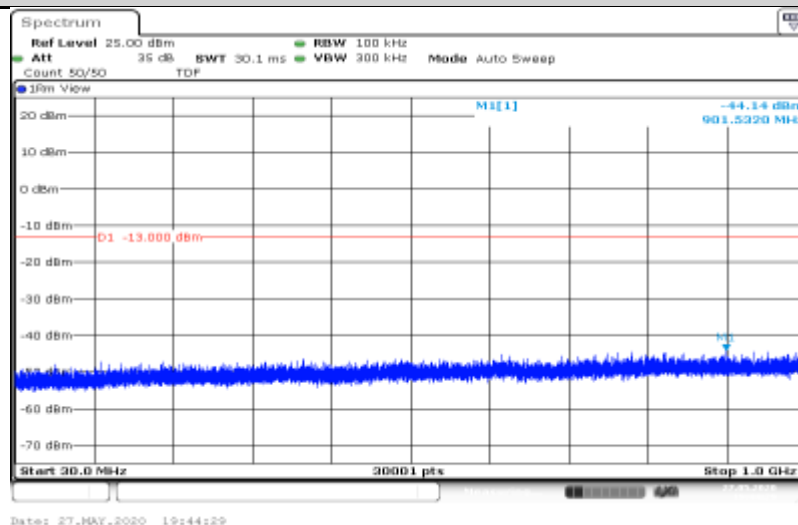
GSM1900-512-0-0.009~0.15MHz-0.01



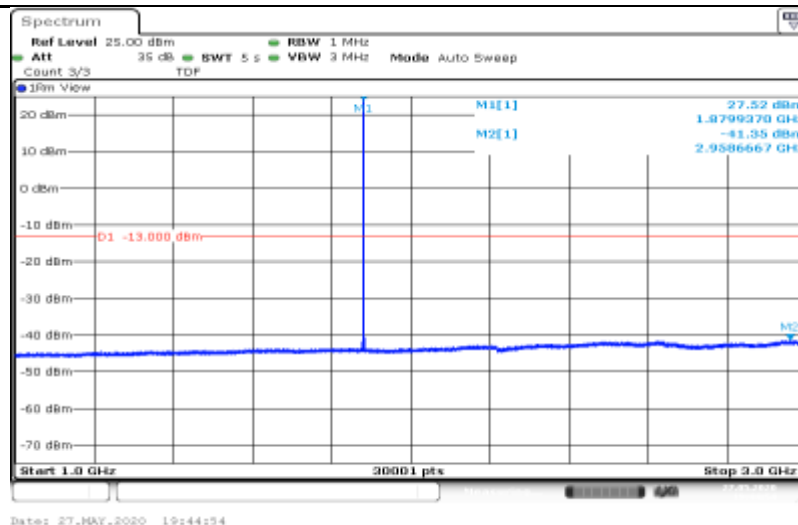
GSM1900-512-0-0.15~30MHz-0.58



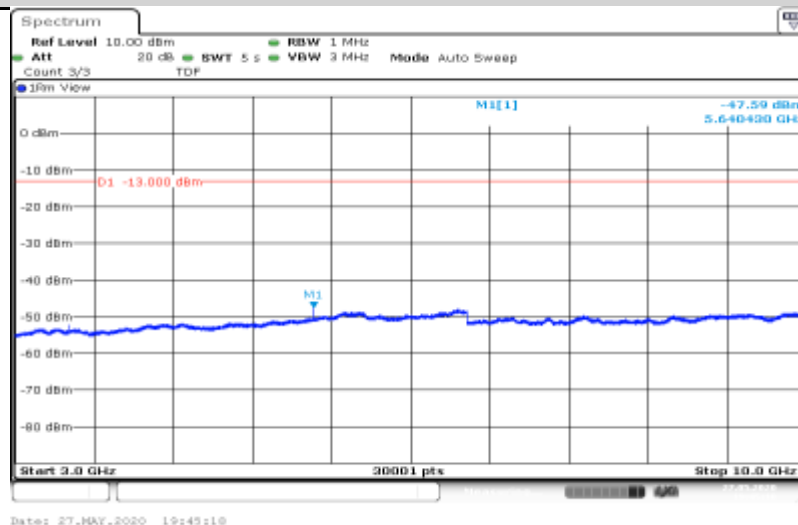
GSM1900-512-0-30~1000MHz-901.53



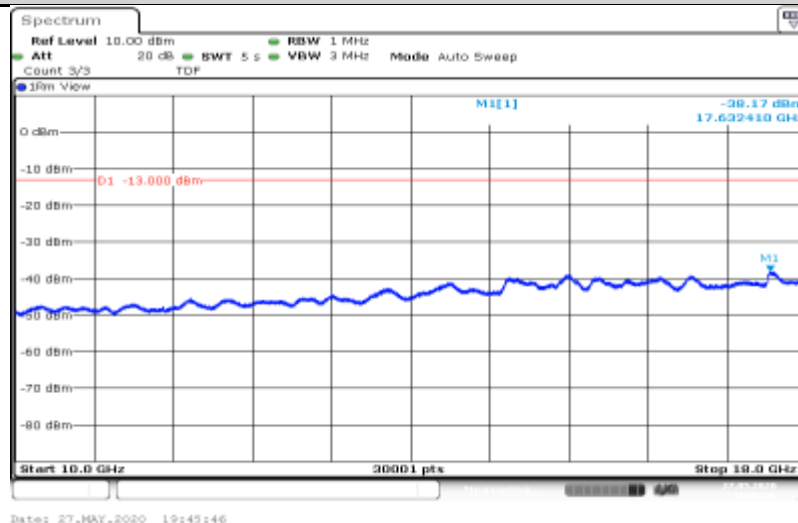
GSM1900-512-0-1000~3000MHz-2958.67



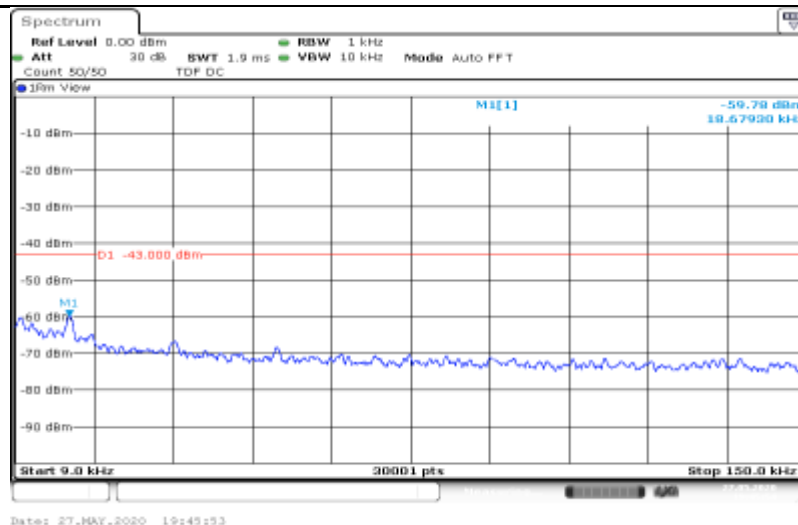
GSM1900-512-0-3000~10000MHz-5640.43



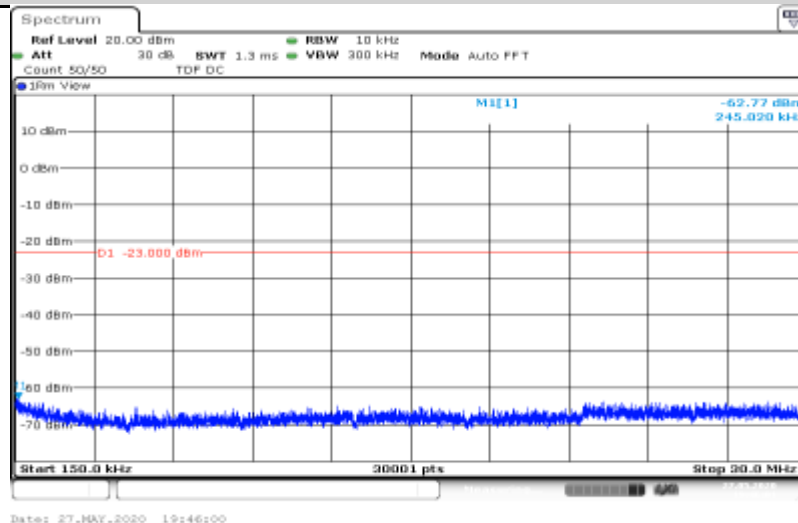
GSM1900-512-0-10000~18000MHz-17632.41



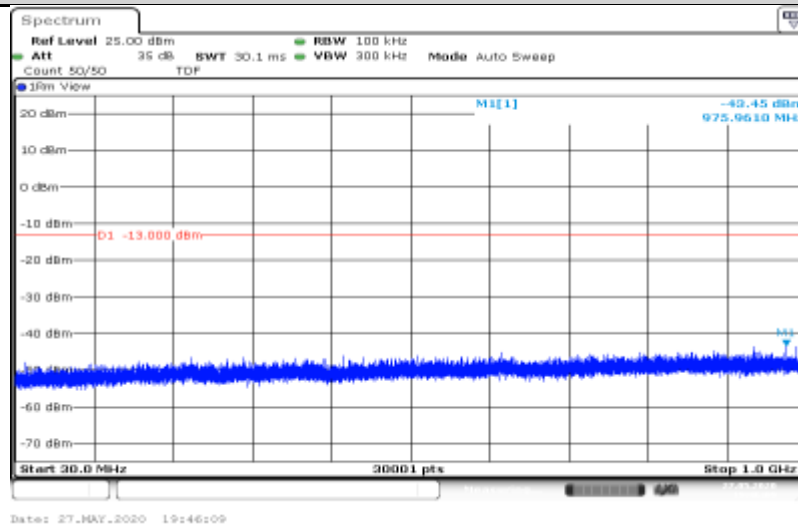
GSM1900-661-0-0.009~0.15MHz-0.02



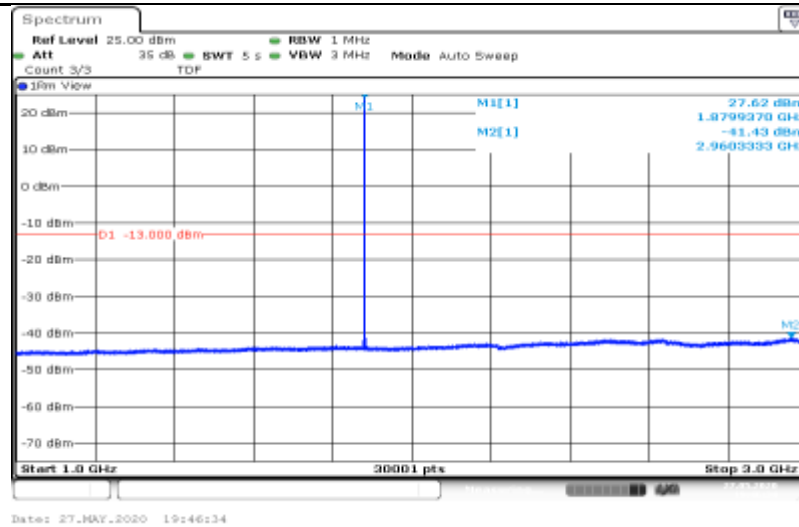
GSM1900-661-0-0.15~30MHz-0.25



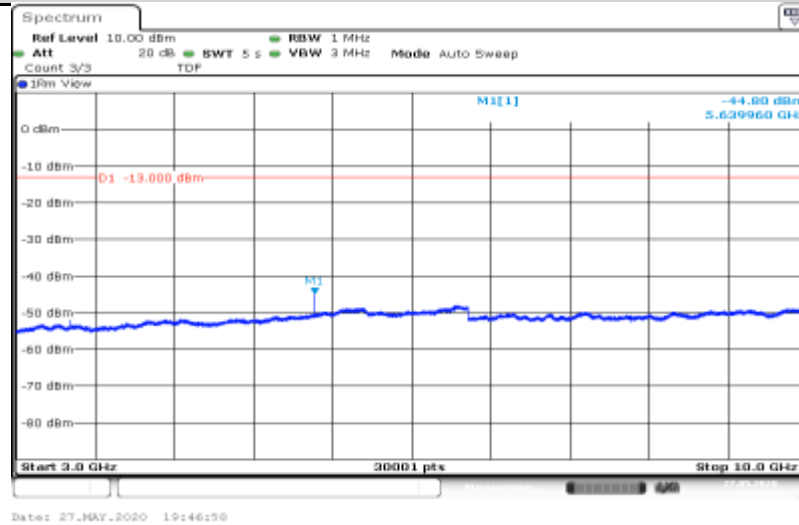
GSM1900-661-0-30~1000MHz-975.96



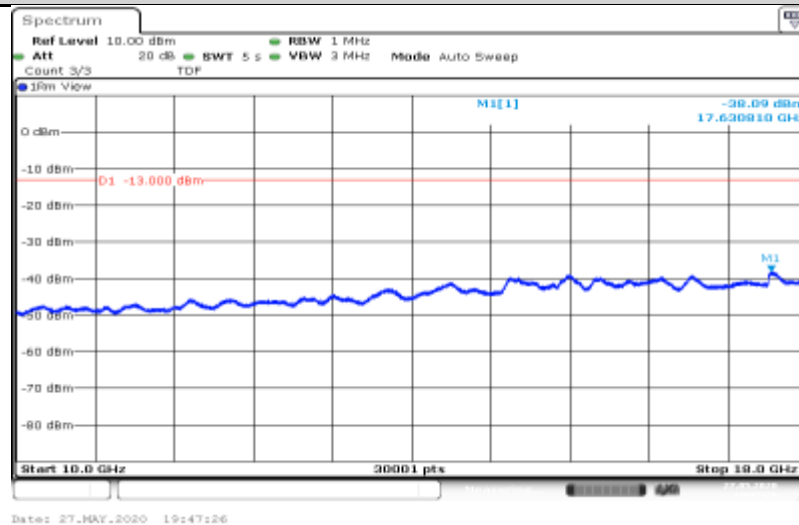
GSM1900-661-0-1000~3000MHz-2960.33



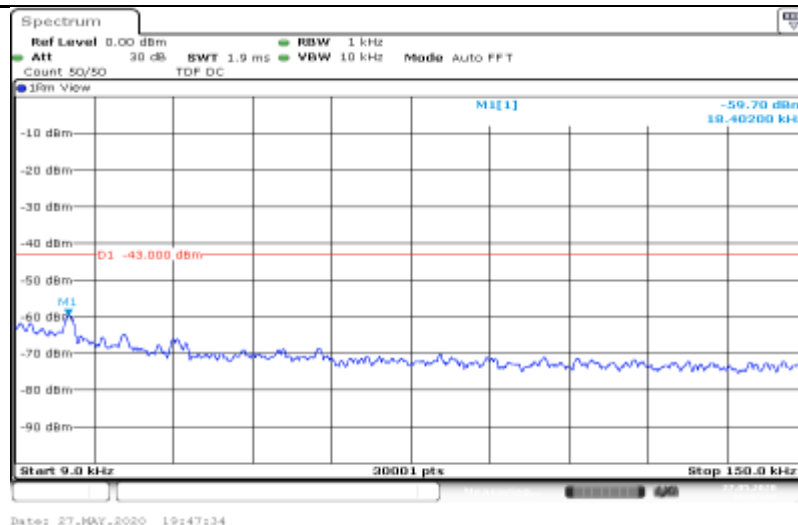
GSM1900-661-0-3000~10000MHz-5639.96



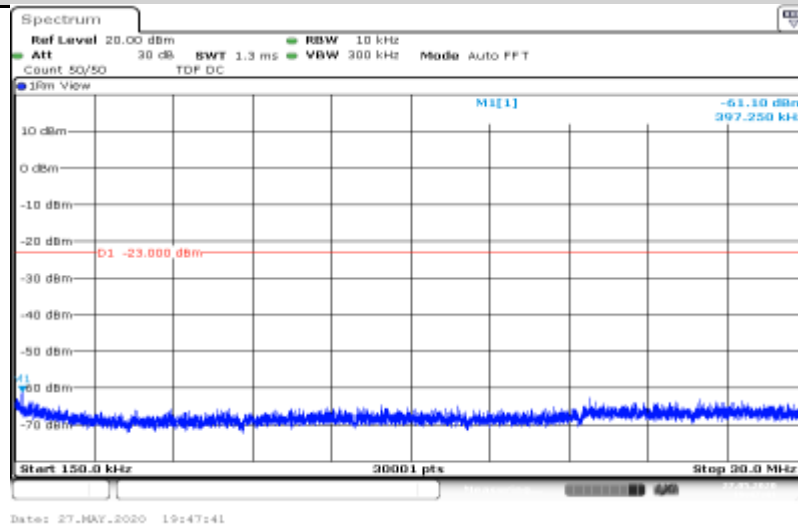
GSM1900-661-0-10000~18000MHz-17630.81



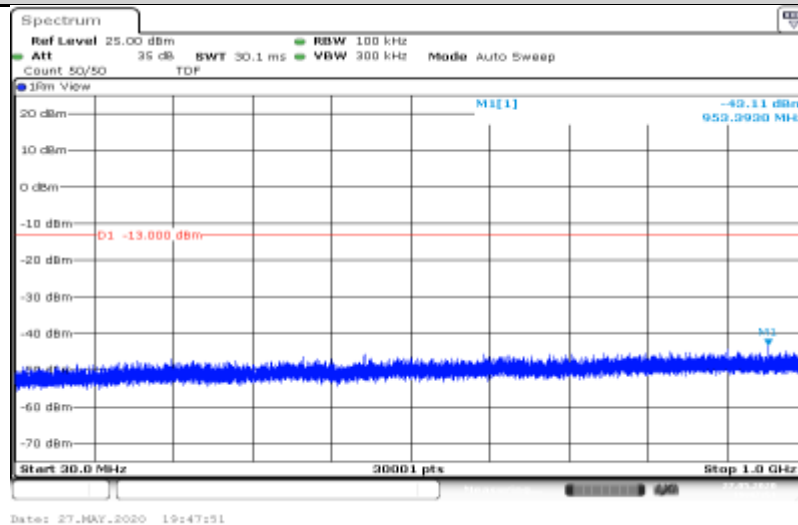
GSM1900-810-0-0.009~0.15MHz-0.02



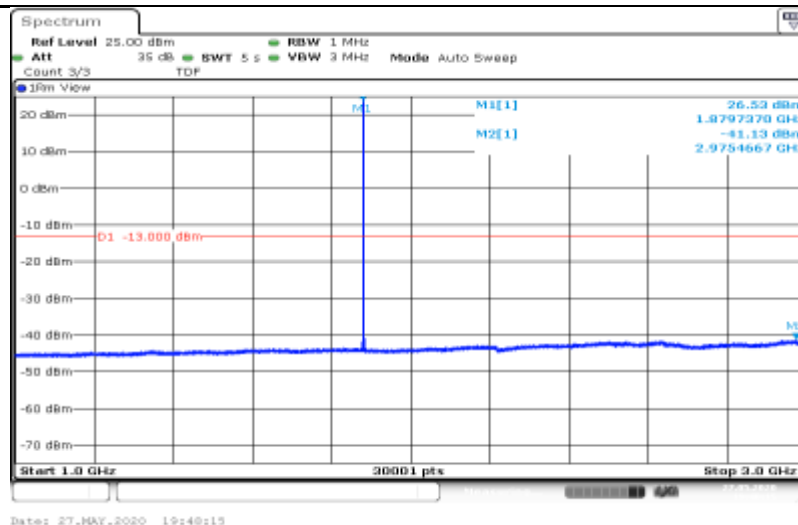
GSM1900-810-0-0.15~30MHz-0.4



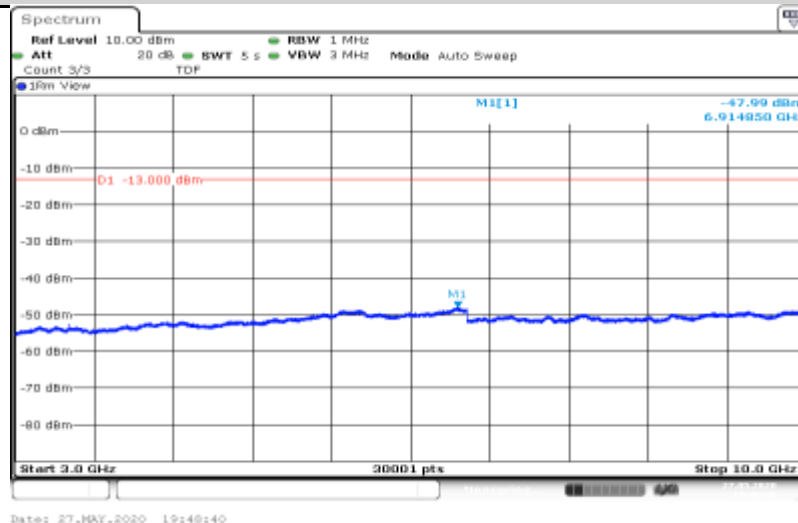
GSM1900-810-0-30~1000MHz-953.39



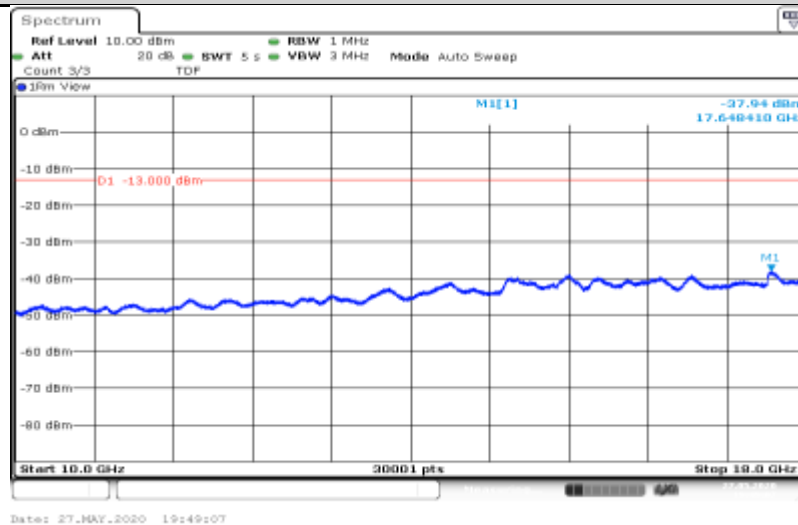
GSM1900-810-0-1000~3000MHz-2975.47



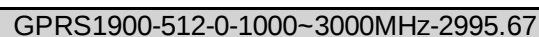
GSM1900-810-0-3000~10000MHz-6914.85

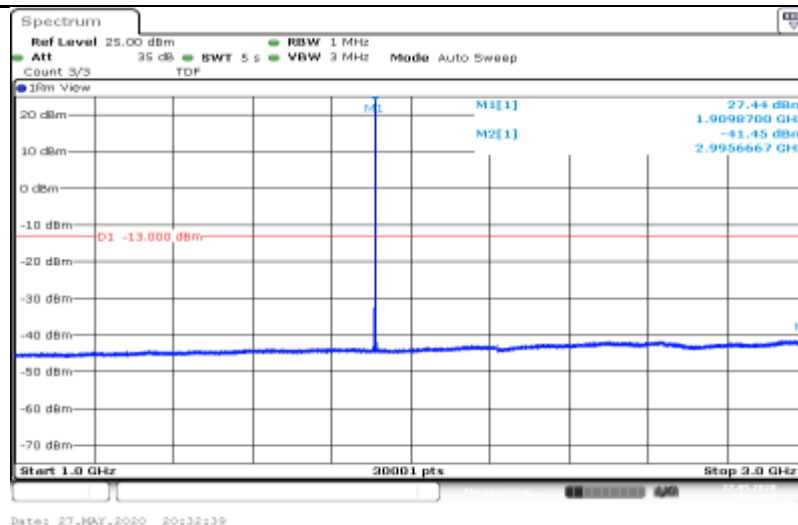


GSM1900-810-0-10000~18000MHz-17648.41

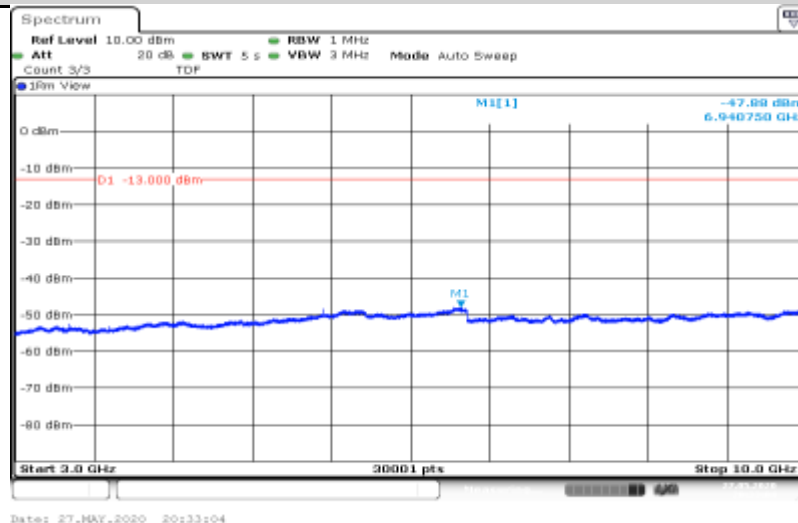


GPRS1900-512-0-0.009~0.15MHz-0.02

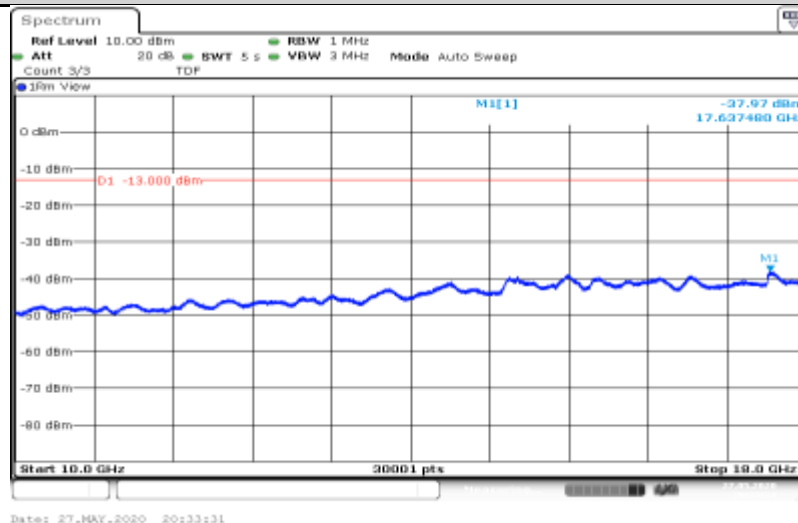




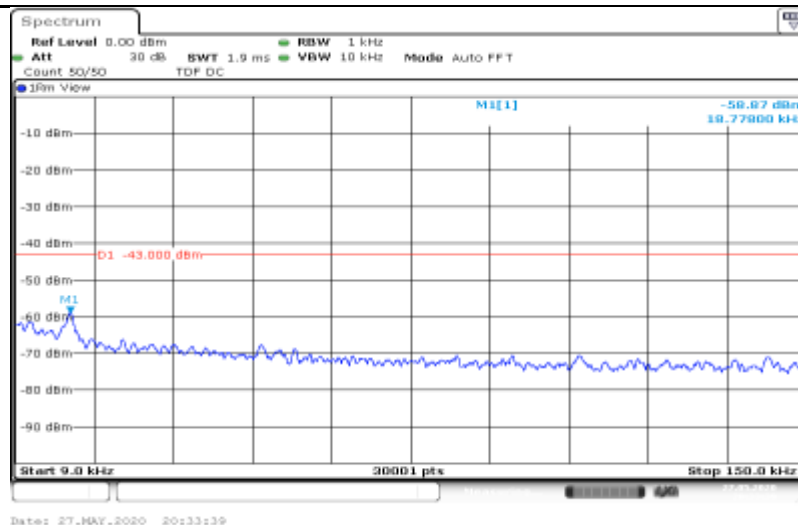
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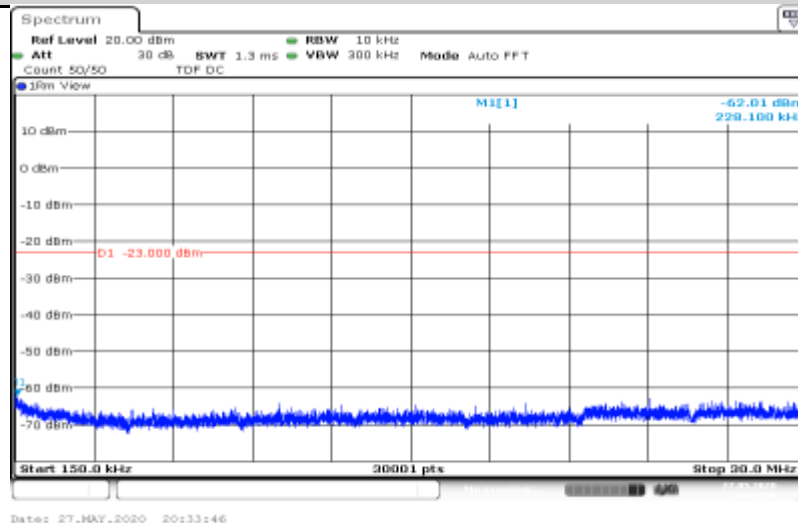
GPRS1900-512-0-10000~18000MHz-17637.48



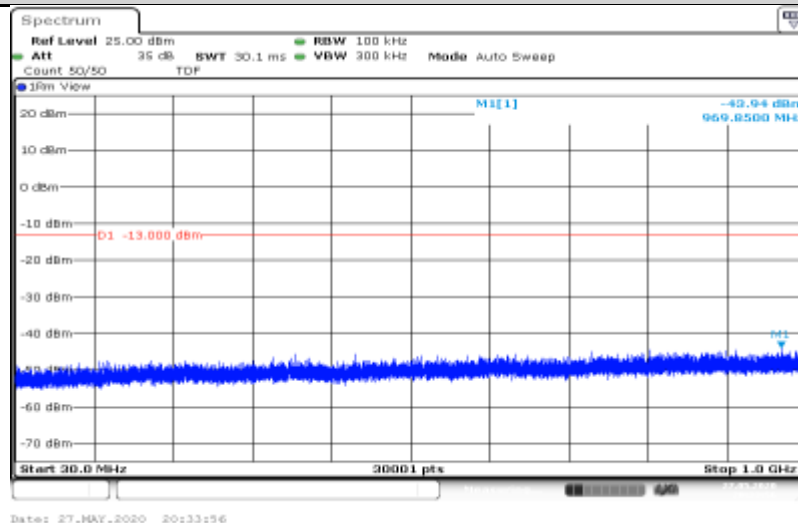
GPRS1900-661-0-0.009~0.15MHz-0.02



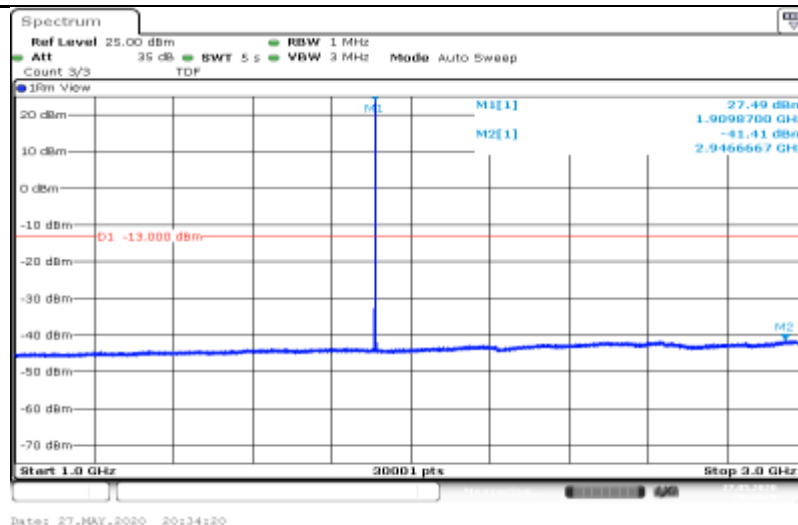
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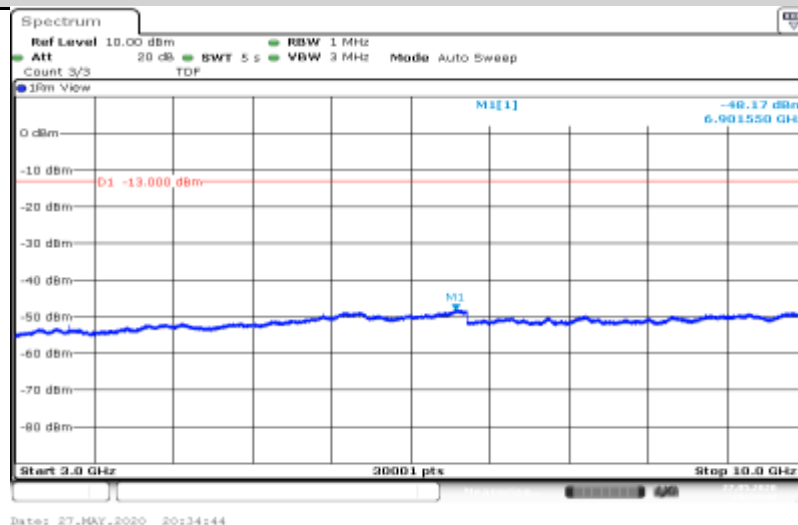
GPRS1900-661-0-30~1000MHz-969.85



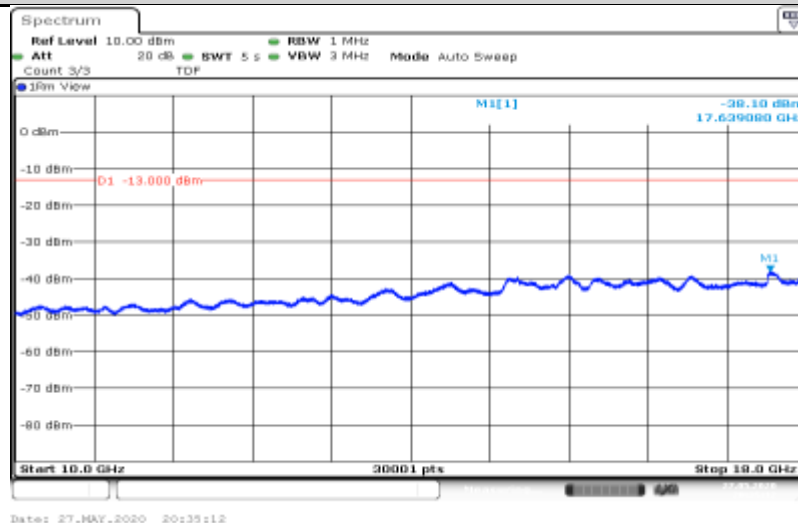
GPRS1900-661-0-1000~3000MHz-2946.67



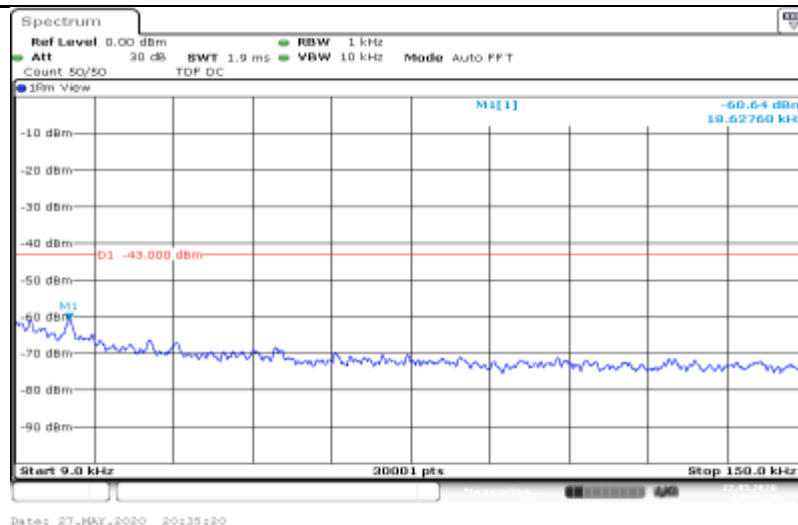
GPRS1900-661-0-3000~10000MHz-6901.55



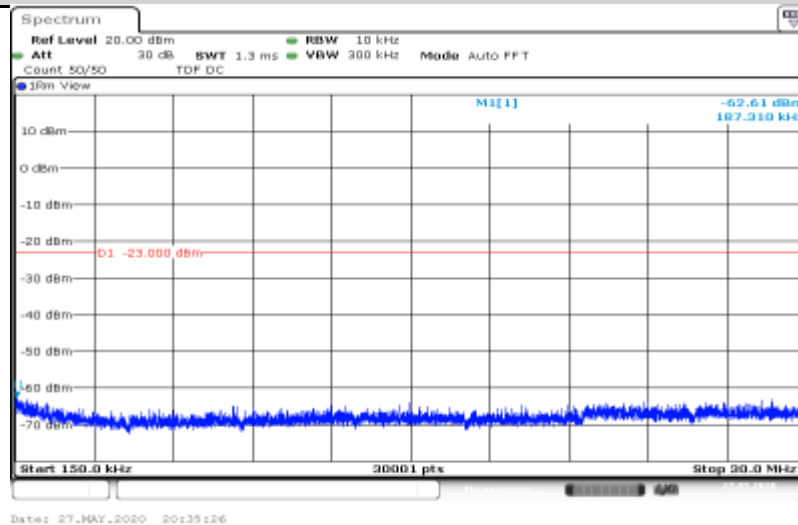
GPRS1900-661-0-10000~18000MHz-17639.08



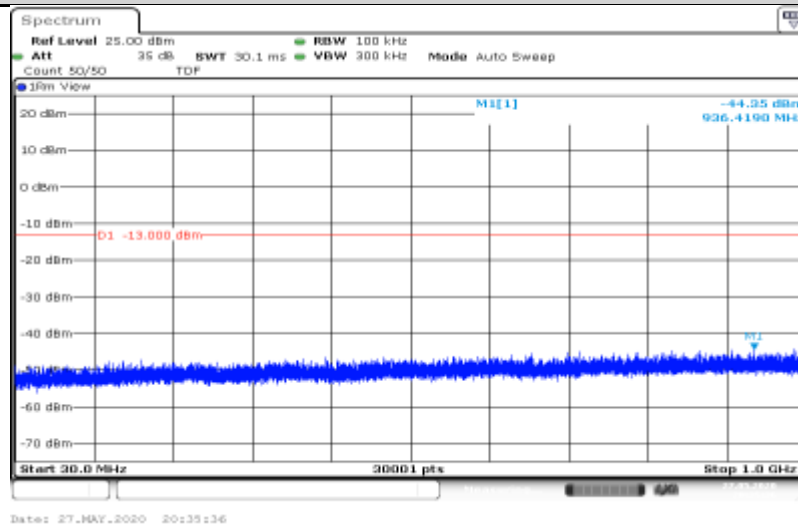
GPRS1900-810-0-0.009~0.15MHz-0.02



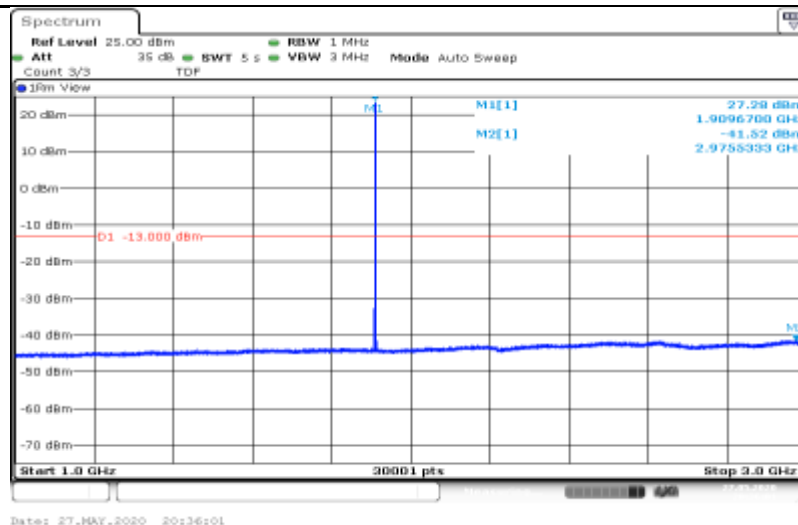
GPRS1900-810-0-0.15~30MHz-0.19



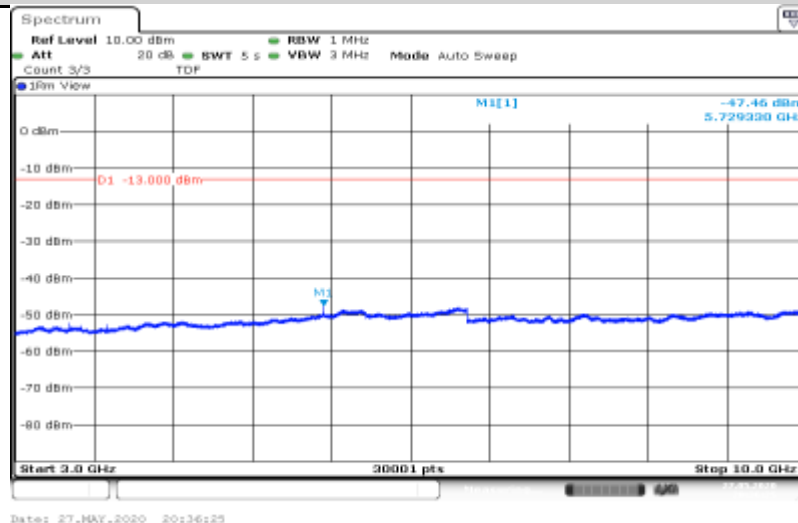
GPRS1900-810-0-30~1000MHz-936.42



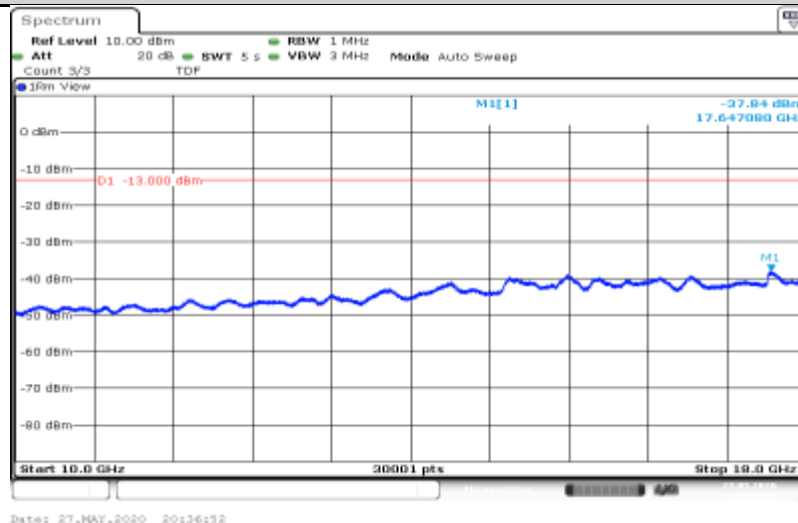
GPRS1900-810-0-1000~3000MHz-2975.53



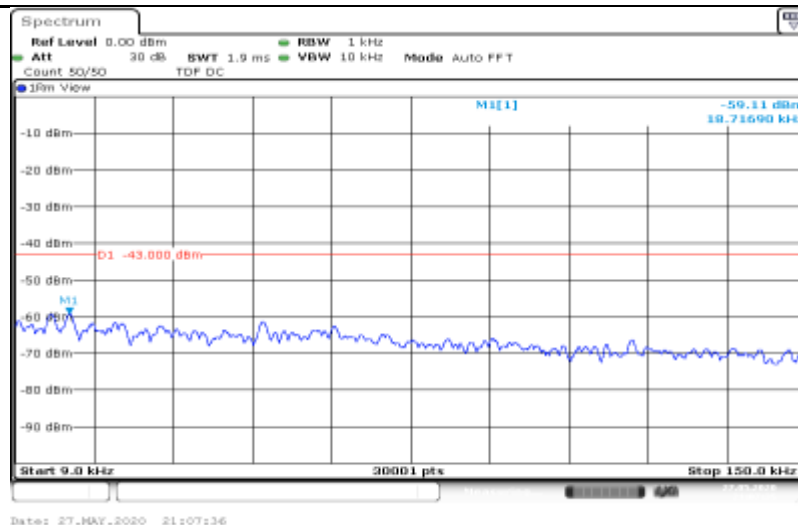
GPRS1900-810-0-3000~10000MHz-5729.33



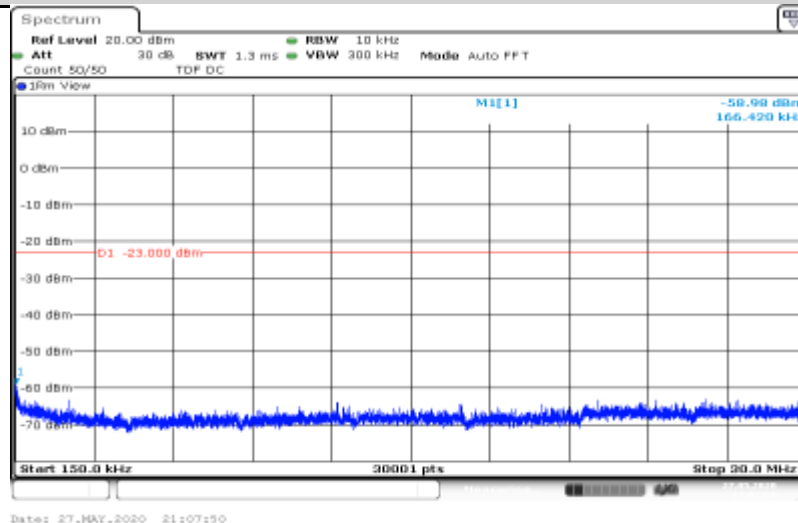
GPRS1900-810-0-10000~18000MHz-17647.08



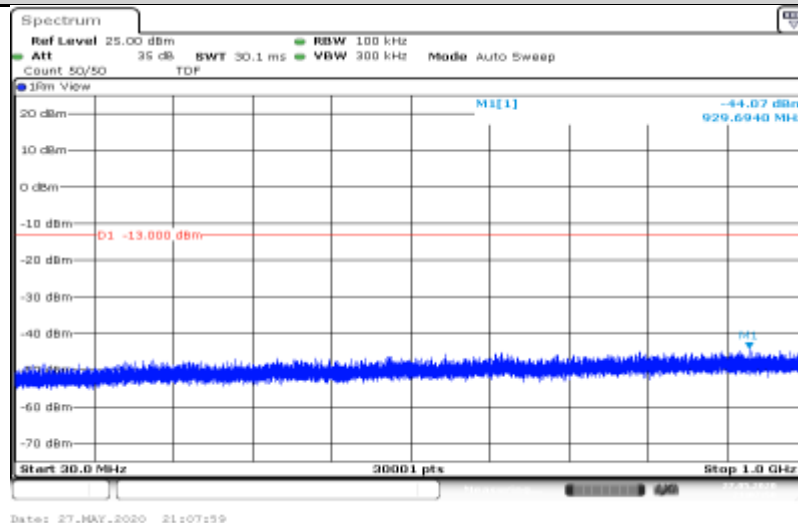
EGPRS1900-512-2-0.009~0.15MHz-0.02



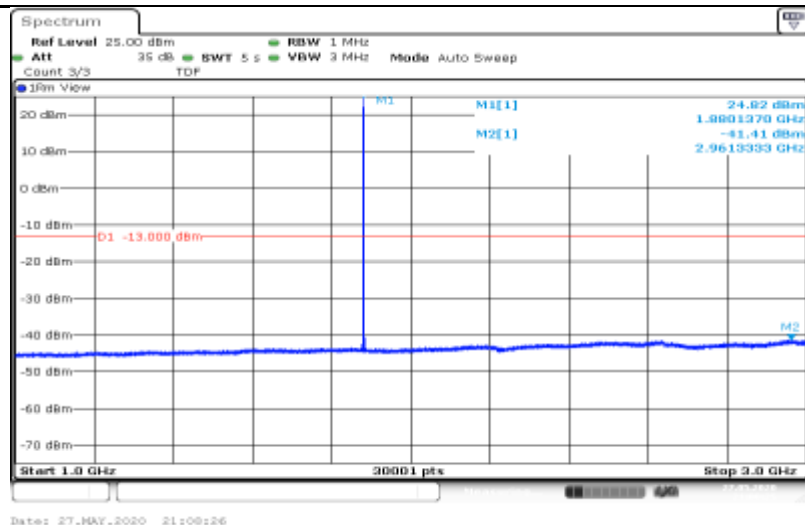
EGPRS1900-512-2-0.15~30MHz-0.17



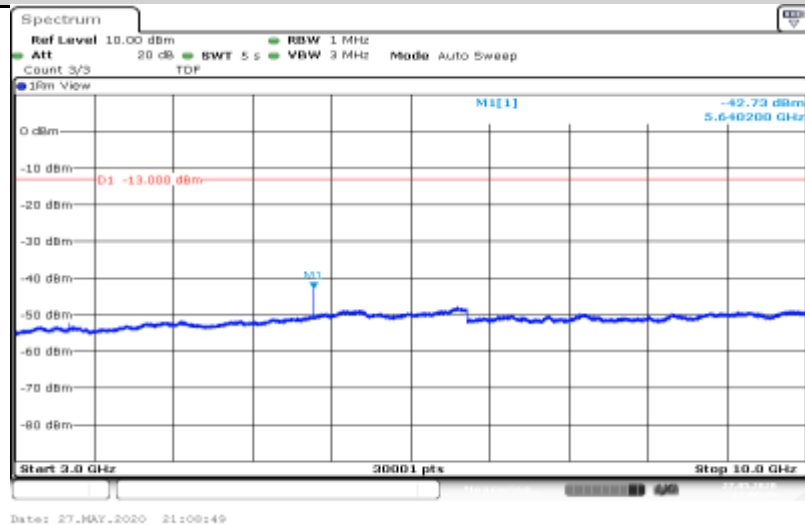
EGPRS1900-512-2-30~1000MHz-929.69



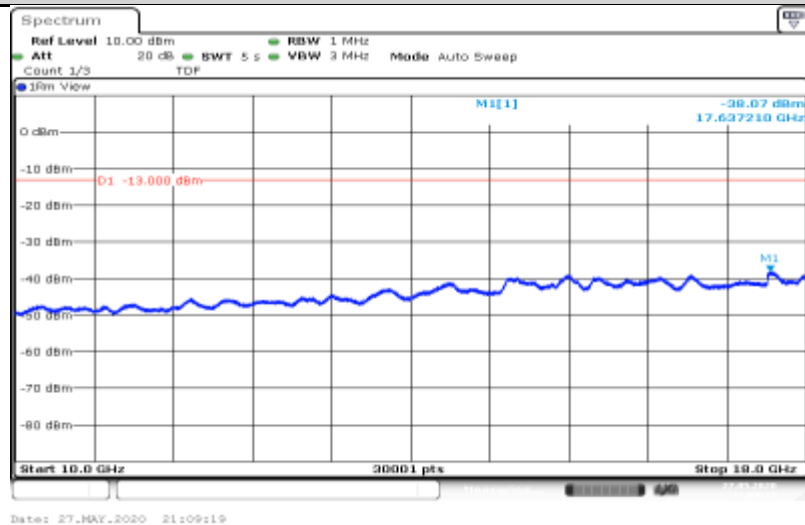
EGPRS1900-512-2-1000~3000MHz-2961.33



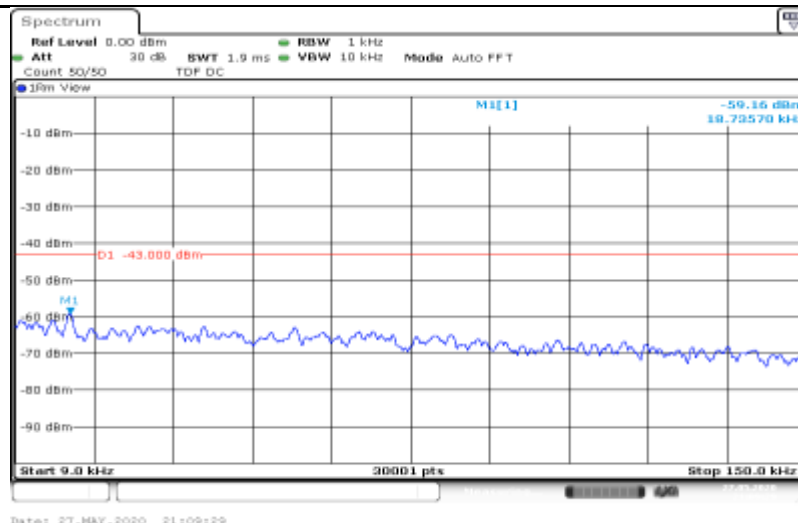
EGPRS1900-512-2-3000~10000MHz-5640.2



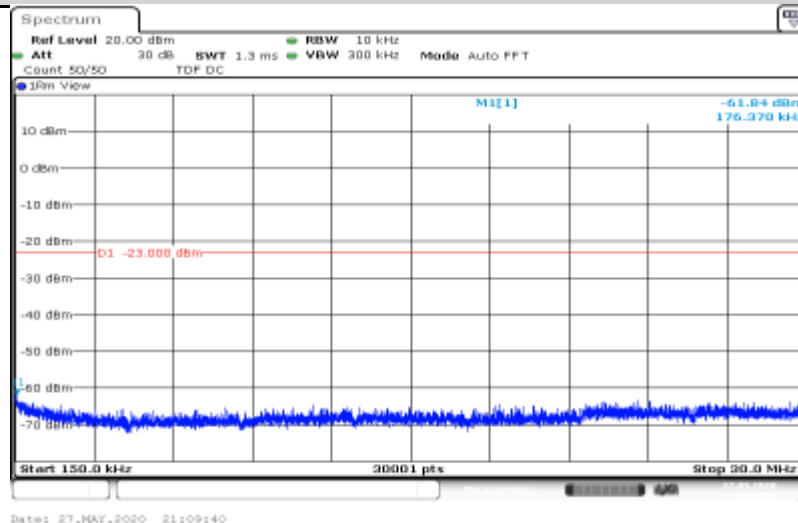
EGPRS1900-512-2-10000~18000MHz-17637.21



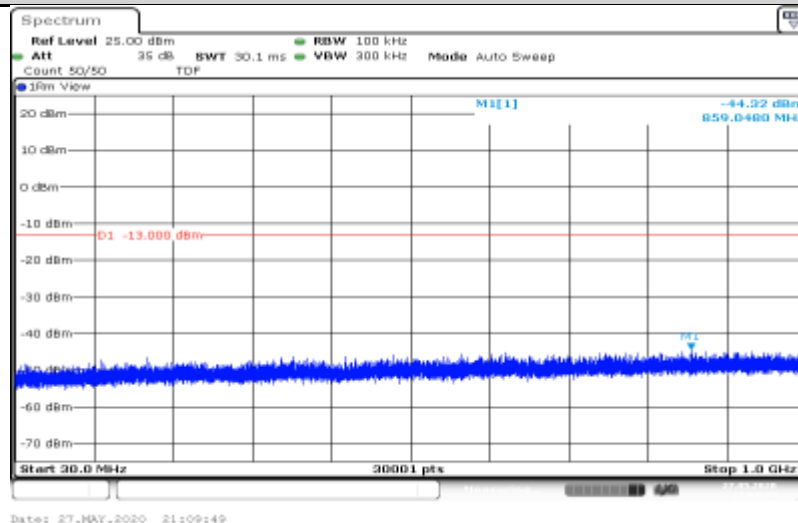
EGPRS1900-661-2-0.009~0.15MHz-0.02



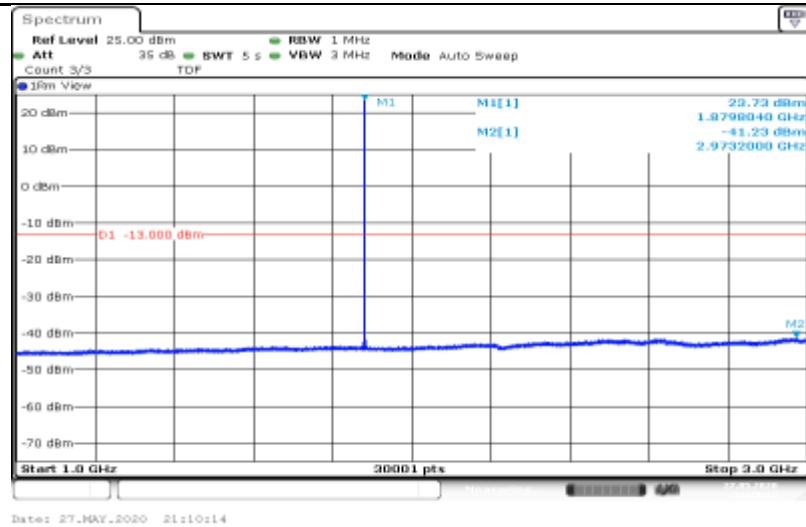
EGPRS1900-661-2-0.15~30MHz-0.18



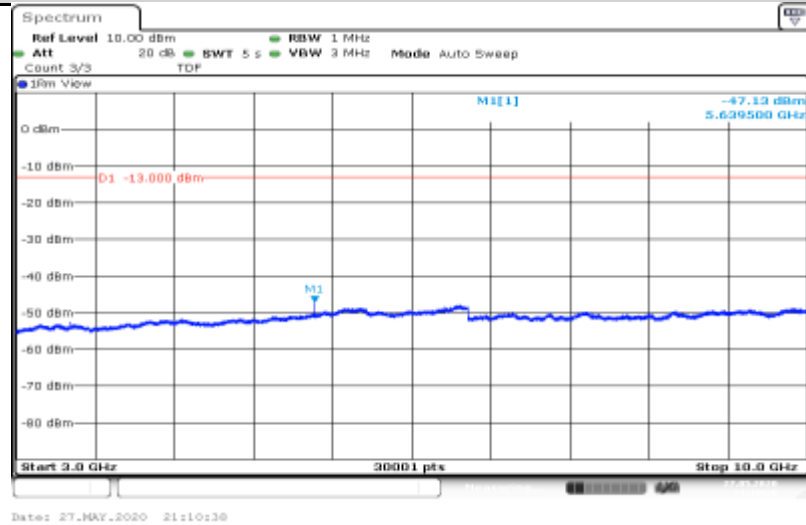
EGPRS1900-661-2-30~1000MHz-859.05



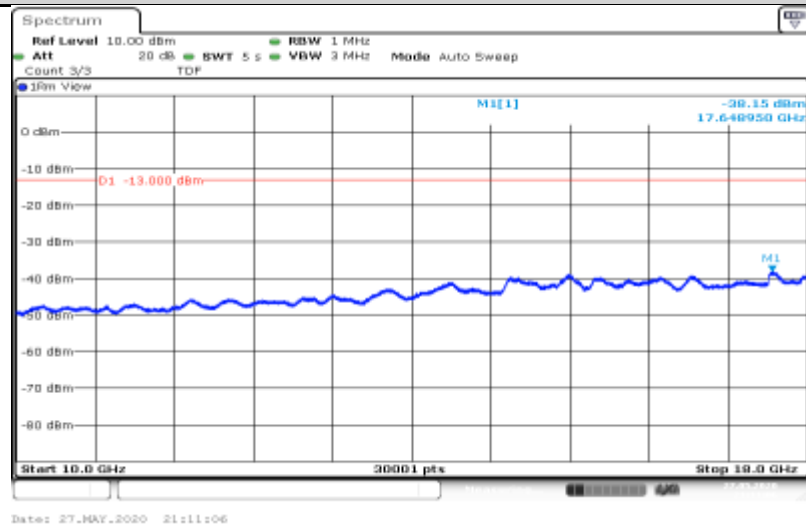
EGPRS1900-661-2-1000~3000MHz-2973.2



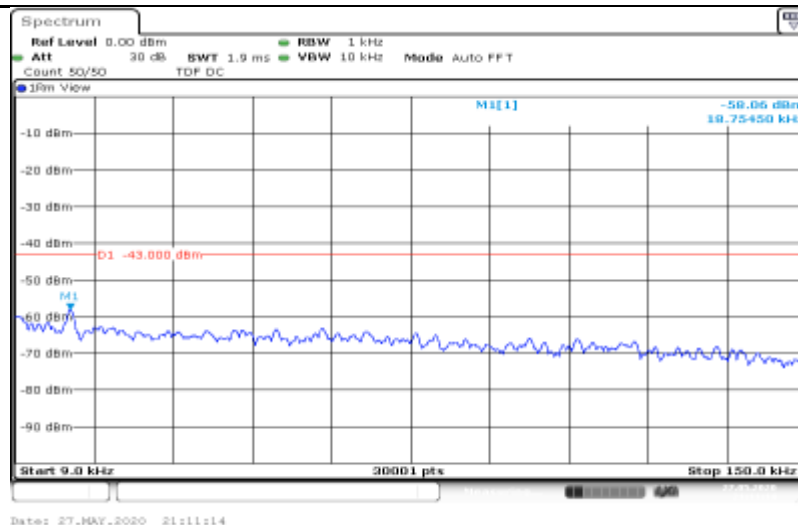
EGPRS1900-661-2-3000~10000MHz-5639.5



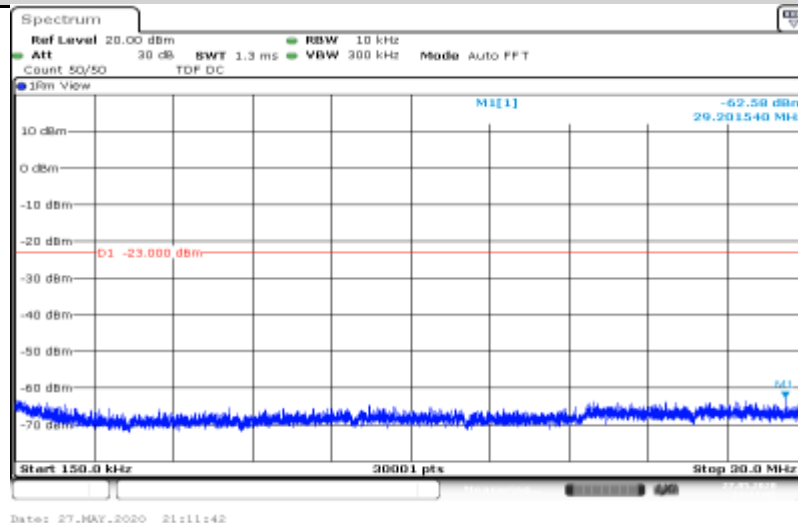
EGPRS1900-661-2-10000~18000MHz-17648.95



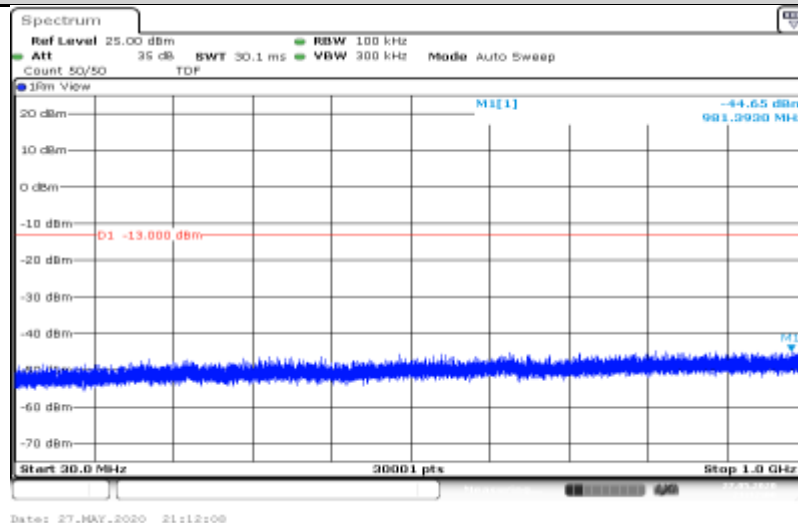
EGPRS1900-810-2-0.009~0.15MHz-0.02



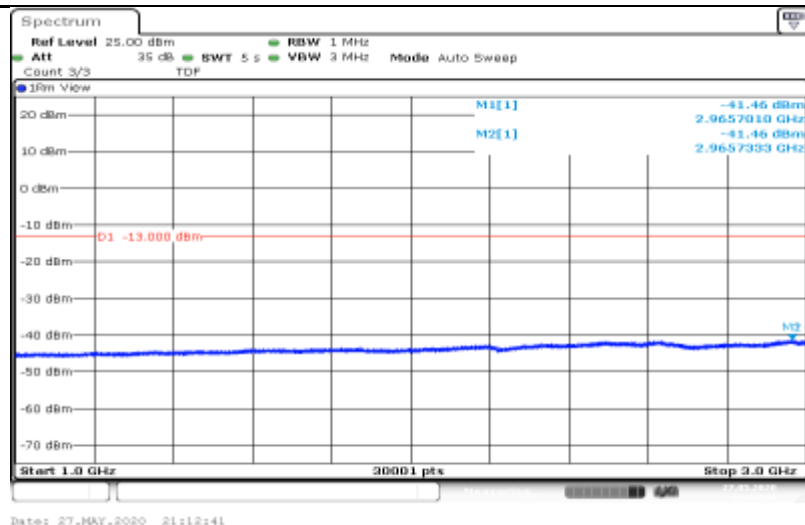
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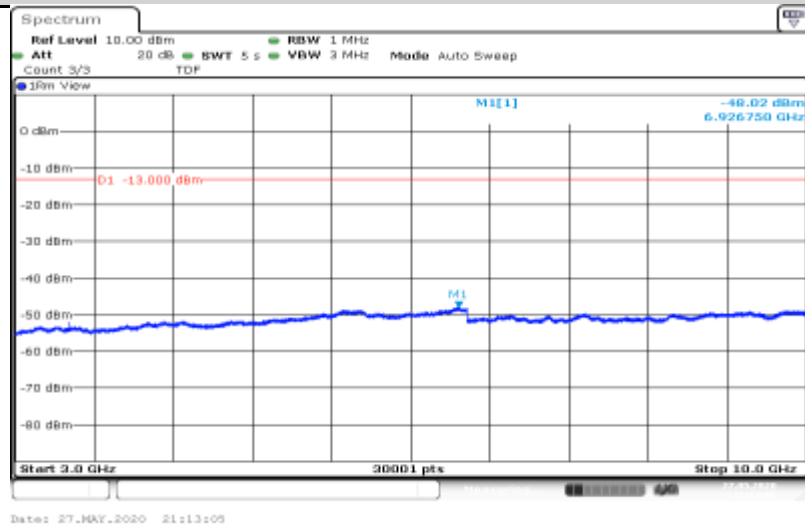
EGPRS1900-810-2-30~1000MHz-981.39



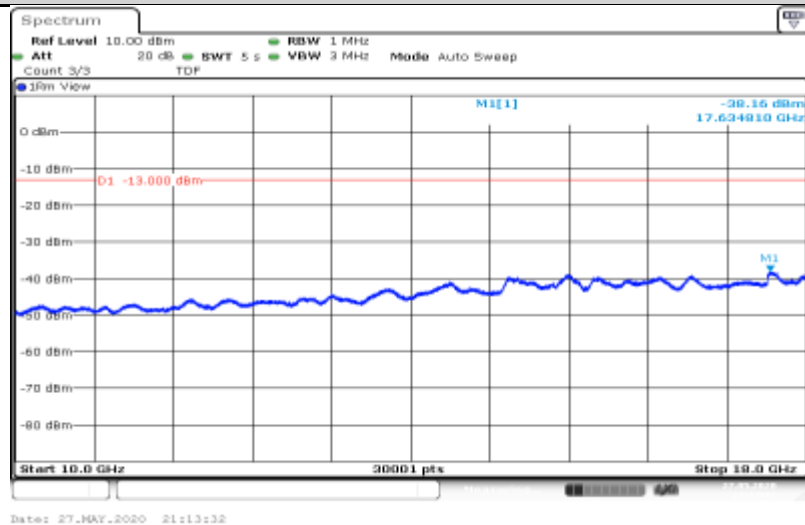
EGPRS1900-810-2-1000~3000MHz-2965.73



EGPRS1900-810-2-3000~10000MHz-6926.75



EGPRS1900-810-2-10000~18000MHz-17634.81



1.6 Frequency Stability

1.6.1 Test Result

Voltage								
Band	Channel	PCL	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	3	VL	NT	28.86	0.035016	±2.5	PASS
GSM850	128	3	VN	NT	31.28	0.037952	±2.5	PASS
GSM850	128	3	VH	NT	23.02	0.027930	±2.5	PASS
GSM850	190	3	VL	NT	20.47	0.024468	±2.5	PASS
GSM850	190	3	VN	NT	24.50	0.029285	±2.5	PASS
GSM850	190	3	VH	NT	20.05	0.023966	±2.5	PASS
GSM850	251	3	VL	NT	24.34	0.028676	±2.5	PASS
GSM850	251	3	VN	NT	23.92	0.028181	±2.5	PASS
GSM850	251	3	VH	NT	19.66	0.023162	±2.5	PASS
GPRS850	128	3	VL	NT	41.65	0.050534	±2.5	PASS
GPRS850	128	3	VN	NT	40.39	0.049005	±2.5	PASS
GPRS850	128	3	VH	NT	42.68	0.051784	±2.5	PASS
GPRS850	190	3	VL	NT	38.42	0.045924	±2.5	PASS
GPRS850	190	3	VN	NT	39.71	0.047466	±2.5	PASS
GPRS850	190	3	VH	NT	37.48	0.044800	±2.5	PASS
GPRS850	251	3	VL	NT	41.97	0.049446	±2.5	PASS
GPRS850	251	3	VN	NT	43.97	0.051803	±2.5	PASS
GPRS850	251	3	VH	NT	41.00	0.048303	±2.5	PASS
EGPRS850	128	8	VL	NT	33.42	0.040548	±2.5	PASS
EGPRS850	128	8	VN	NT	31.80	0.038583	±2.5	PASS
EGPRS850	128	8	VH	NT	32.90	0.039917	±2.5	PASS
EGPRS850	190	8	VL	NT	31.67	0.037856	±2.5	PASS
EGPRS850	190	8	VN	NT	33.32	0.039828	±2.5	PASS
EGPRS850	190	8	VH	NT	31.38	0.037509	±2.5	PASS
EGPRS850	251	8	VL	NT	34.03	0.040092	±2.5	PASS
EGPRS850	251	8	VN	NT	34.58	0.040740	±2.5	PASS
EGPRS850	251	8	VH	NT	32.06	0.037771	±2.5	PASS
GSM1900	512	0	VL	NT	28.77	0.015550	±2.5	PASS
GSM1900	512	0	VN	NT	32.16	0.017382	±2.5	PASS
GSM1900	512	0	VH	NT	27.83	0.015042	±2.5	PASS
GSM1900	661	0	VL	NT	18.05	0.009601	±2.5	PASS
GSM1900	661	0	VN	NT	18.24	0.009702	±2.5	PASS
GSM1900	661	0	VH	NT	18.60	0.009894	±2.5	PASS
GSM1900	810	0	VL	NT	36.35	0.019033	±2.5	PASS
GSM1900	810	0	VN	NT	25.96	0.013593	±2.5	PASS
GSM1900	810	0	VH	NT	24.38	0.012766	±2.5	PASS
GPRS1900	512	0	VL	NT	52.50	0.028375	±2.5	PASS
GPRS1900	512	0	VN	NT	39.87	0.021549	±2.5	PASS
GPRS1900	512	0	VH	NT	44.30	0.023943	±2.5	PASS
GPRS1900	661	0	VL	NT	28.31	0.015059	±2.5	PASS
GPRS1900	661	0	VN	NT	36.68	0.019511	±2.5	PASS
GPRS1900	661	0	VH	NT	33.51	0.017824	±2.5	PASS
GPRS1900	810	0	VL	NT	47.78	0.025018	±2.5	PASS

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GPRS1900	810	0	VN	NT	45.07	0.023599	±2.5	PASS
GPRS1900	810	0	VH	NT	31.28	0.016379	±2.5	PASS
EGPRS1900	512	2	VL	NT	41.52	0.022441	±2.5	PASS
EGPRS1900	512	2	VN	NT	34.29	0.018533	±2.5	PASS
EGPRS1900	512	2	VH	NT	32.29	0.017452	±2.5	PASS
EGPRS1900	661	2	VL	NT	32.67	0.017378	±2.5	PASS
EGPRS1900	661	2	VN	NT	26.96	0.014340	±2.5	PASS
EGPRS1900	661	2	VH	NT	22.66	0.012053	±2.5	PASS
EGPRS1900	810	2	VL	NT	40.36	0.021133	±2.5	PASS
EGPRS1900	810	2	VN	NT	32.25	0.016887	±2.5	PASS
EGPRS1900	810	2	VH	NT	30.45	0.015944	±2.5	PASS

Temperature								
Band	Channel	PCL	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	3	NV	-30	25.47	0.030903	±2.5	PASS
GSM850	128	3	NV	-20	24.18	0.029338	±2.5	PASS
GSM850	128	3	NV	-10	25.18	0.030551	±2.5	PASS
GSM850	128	3	NV	0	23.37	0.028355	±2.5	PASS
GSM850	128	3	NV	10	22.37	0.027141	±2.5	PASS
GSM850	128	3	NV	20	23.15	0.028088	±2.5	PASS
GSM850	128	3	NV	30	24.34	0.029532	±2.5	PASS
GSM850	128	3	NV	40	25.09	0.030442	±2.5	PASS
GSM850	128	3	NV	50	26.96	0.032711	±2.5	PASS
GSM850	128	3	NV	55	26.89	0.032626	±2.5	PASS
GSM850	190	3	NV	-30	19.69	0.023536	±2.5	PASS
GSM850	190	3	NV	-20	19.11	0.022842	±2.5	PASS
GSM850	190	3	NV	-10	16.63	0.019878	±2.5	PASS
GSM850	190	3	NV	0	16.66	0.019914	±2.5	PASS
GSM850	190	3	NV	10	22.86	0.027325	±2.5	PASS
GSM850	190	3	NV	20	19.98	0.023882	±2.5	PASS
GSM850	190	3	NV	30	18.08	0.021611	±2.5	PASS
GSM850	190	3	NV	40	18.21	0.021767	±2.5	PASS
GSM850	190	3	NV	50	22.54	0.026942	±2.5	PASS
GSM850	190	3	NV	55	19.63	0.023464	±2.5	PASS
GSM850	251	3	NV	-30	16.59	0.019545	±2.5	PASS
GSM850	251	3	NV	-20	21.60	0.025448	±2.5	PASS
GSM850	251	3	NV	-10	18.50	0.021795	±2.5	PASS
GSM850	251	3	NV	0	23.31	0.027462	±2.5	PASS
GSM850	251	3	NV	10	20.02	0.023586	±2.5	PASS
GSM850	251	3	NV	20	24.09	0.028381	±2.5	PASS
GSM850	251	3	NV	30	20.50	0.024152	±2.5	PASS
GSM850	251	3	NV	40	25.67	0.030243	±2.5	PASS
GSM850	251	3	NV	50	21.44	0.025259	±2.5	PASS
GSM850	251	3	NV	55	17.21	0.020276	±2.5	PASS
GPRS850	128	3	NV	-30	43.49	0.052766	±2.5	PASS
GPRS850	128	3	NV	-20	43.91	0.053276	±2.5	PASS
GPRS850	128	3	NV	-10	43.68	0.052997	±2.5	PASS
GPRS850	128	3	NV	0	44.26	0.053701	±2.5	PASS
GPRS850	128	3	NV	10	44.59	0.054101	±2.5	PASS
GPRS850	128	3	NV	20	44.55	0.054052	±2.5	PASS

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GPRS850	128	3	NV	30	43.78	0.053118	±2.5	PASS
GPRS850	128	3	NV	40	43.55	0.052839	±2.5	PASS
GPRS850	128	3	NV	50	42.52	0.051589	±2.5	PASS
GPRS850	128	3	NV	55	42.00	0.050959	±2.5	PASS
GPRS850	190	3	NV	-30	36.64	0.043796	±2.5	PASS
GPRS850	190	3	NV	-20	33.25	0.039744	±2.5	PASS
GPRS850	190	3	NV	-10	41.87	0.050048	±2.5	PASS
GPRS850	190	3	NV	0	41.84	0.050012	±2.5	PASS
GPRS850	190	3	NV	10	40.33	0.048207	±2.5	PASS
GPRS850	190	3	NV	20	38.94	0.046546	±2.5	PASS
GPRS850	190	3	NV	30	37.55	0.044884	±2.5	PASS
GPRS850	190	3	NV	40	36.42	0.043533	±2.5	PASS
GPRS850	190	3	NV	50	35.51	0.042446	±2.5	PASS
GPRS850	190	3	NV	55	34.38	0.041095	±2.5	PASS
GPRS850	251	3	NV	-30	39.26	0.046254	±2.5	PASS
GPRS850	251	3	NV	-20	38.07	0.044852	±2.5	PASS
GPRS850	251	3	NV	-10	36.81	0.043367	±2.5	PASS
GPRS850	251	3	NV	0	44.65	0.052604	±2.5	PASS
GPRS850	251	3	NV	10	43.59	0.051355	±2.5	PASS
GPRS850	251	3	NV	20	41.65	0.049069	±2.5	PASS
GPRS850	251	3	NV	30	40.84	0.048115	±2.5	PASS
GPRS850	251	3	NV	40	39.20	0.046183	±2.5	PASS
GPRS850	251	3	NV	50	38.23	0.045040	±2.5	PASS
GPRS850	251	3	NV	55	37.35	0.044003	±2.5	PASS
EGPRS850	128	8	NV	-30	32.32	0.039214	±2.5	PASS
EGPRS850	128	8	NV	-20	31.28	0.037952	±2.5	PASS
EGPRS850	128	8	NV	-10	30.70	0.037248	±2.5	PASS
EGPRS850	128	8	NV	0	30.64	0.037175	±2.5	PASS
EGPRS850	128	8	NV	10	38.00	0.046105	±2.5	PASS
EGPRS850	128	8	NV	20	37.39	0.045365	±2.5	PASS
EGPRS850	128	8	NV	30	36.00	0.043679	±2.5	PASS
EGPRS850	128	8	NV	40	36.00	0.043679	±2.5	PASS
EGPRS850	128	8	NV	50	36.10	0.043800	±2.5	PASS
EGPRS850	128	8	NV	55	35.48	0.043048	±2.5	PASS
EGPRS850	190	8	NV	-30	30.74	0.036744	±2.5	PASS
EGPRS850	190	8	NV	-20	29.77	0.035585	±2.5	PASS
EGPRS850	190	8	NV	-10	28.99	0.034652	±2.5	PASS
EGPRS850	190	8	NV	0	28.44	0.033995	±2.5	PASS
EGPRS850	190	8	NV	10	28.54	0.034114	±2.5	PASS
EGPRS850	190	8	NV	20	27.86	0.033301	±2.5	PASS
EGPRS850	190	8	NV	30	26.89	0.032142	±2.5	PASS
EGPRS850	190	8	NV	40	25.12	0.030026	±2.5	PASS
EGPRS850	190	8	NV	50	25.73	0.030755	±2.5	PASS
EGPRS850	190	8	NV	55	26.22	0.031341	±2.5	PASS
EGPRS850	251	8	NV	-30	32.22	0.037959	±2.5	PASS
EGPRS850	251	8	NV	-20	32.03	0.037736	±2.5	PASS
EGPRS850	251	8	NV	-10	30.87	0.036369	±2.5	PASS
EGPRS850	251	8	NV	0	29.74	0.035038	±2.5	PASS
EGPRS850	251	8	NV	10	28.99	0.034154	±2.5	PASS
EGPRS850	251	8	NV	20	28.99	0.034154	±2.5	PASS
EGPRS850	251	8	NV	30	27.15	0.031986	±2.5	PASS

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EGPRS850	251	8	NV	40	27.31	0.032175	±2.5	PASS
EGPRS850	251	8	NV	50	35.97	0.042377	±2.5	PASS
EGPRS850	251	8	NV	55	33.71	0.039715	±2.5	PASS
GSM1900	512	0	NV	-30	33.06	0.017868	±2.5	PASS
GSM1900	512	0	NV	-20	37.26	0.020138	±2.5	PASS
GSM1900	512	0	NV	-10	24.05	0.012999	±2.5	PASS
GSM1900	512	0	NV	0	29.15	0.015755	±2.5	PASS
GSM1900	512	0	NV	10	32.32	0.017468	±2.5	PASS
GSM1900	512	0	NV	20	37.77	0.020414	±2.5	PASS
GSM1900	512	0	NV	30	23.60	0.012755	±2.5	PASS
GSM1900	512	0	NV	40	32.09	0.017344	±2.5	PASS
GSM1900	512	0	NV	50	34.74	0.018776	±2.5	PASS
GSM1900	512	0	NV	55	36.42	0.019684	±2.5	PASS
GSM1900	661	0	NV	-30	24.09	0.012814	±2.5	PASS
GSM1900	661	0	NV	-20	29.09	0.015473	±2.5	PASS
GSM1900	661	0	NV	-10	16.63	0.008846	±2.5	PASS
GSM1900	661	0	NV	0	20.92	0.011128	±2.5	PASS
GSM1900	661	0	NV	10	24.18	0.012862	±2.5	PASS
GSM1900	661	0	NV	20	20.89	0.011112	±2.5	PASS
GSM1900	661	0	NV	30	17.01	0.009048	±2.5	PASS
GSM1900	661	0	NV	40	20.31	0.010803	±2.5	PASS
GSM1900	661	0	NV	50	27.12	0.014426	±2.5	PASS
GSM1900	661	0	NV	55	15.76	0.008383	±2.5	PASS
GSM1900	810	0	NV	-30	28.35	0.014844	±2.5	PASS
GSM1900	810	0	NV	-20	32.71	0.017127	±2.5	PASS
GSM1900	810	0	NV	-10	37.81	0.019798	±2.5	PASS
GSM1900	810	0	NV	0	24.38	0.012766	±2.5	PASS
GSM1900	810	0	NV	10	28.64	0.014996	±2.5	PASS
GSM1900	810	0	NV	20	33.16	0.017363	±2.5	PASS
GSM1900	810	0	NV	30	25.80	0.013509	±2.5	PASS
GSM1900	810	0	NV	40	34.68	0.018159	±2.5	PASS
GSM1900	810	0	NV	50	23.34	0.012221	±2.5	PASS
GSM1900	810	0	NV	55	29.38	0.015384	±2.5	PASS
GPRS1900	512	0	NV	-30	37.68	0.020365	±2.5	PASS
GPRS1900	512	0	NV	-20	48.27	0.026089	±2.5	PASS
GPRS1900	512	0	NV	-10	41.20	0.022268	±2.5	PASS
GPRS1900	512	0	NV	0	50.30	0.027186	±2.5	PASS
GPRS1900	512	0	NV	10	42.39	0.022911	±2.5	PASS
GPRS1900	512	0	NV	20	50.69	0.027397	±2.5	PASS
GPRS1900	512	0	NV	30	41.04	0.022181	±2.5	PASS
GPRS1900	512	0	NV	40	48.95	0.026457	±2.5	PASS
GPRS1900	512	0	NV	50	39.36	0.021273	±2.5	PASS
GPRS1900	512	0	NV	55	47.56	0.025705	±2.5	PASS
GPRS1900	661	0	NV	-30	39.81	0.021176	±2.5	PASS
GPRS1900	661	0	NV	-20	29.67	0.015782	±2.5	PASS
GPRS1900	661	0	NV	-10	35.71	0.018995	±2.5	PASS
GPRS1900	661	0	NV	0	26.05	0.013856	±2.5	PASS
GPRS1900	661	0	NV	10	33.51	0.017824	±2.5	PASS
GPRS1900	661	0	NV	20	40.74	0.021670	±2.5	PASS
GPRS1900	661	0	NV	30	31.03	0.016505	±2.5	PASS
GPRS1900	661	0	NV	40	37.13	0.019750	±2.5	PASS

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GPRS1900	661	0	NV	50	26.44	0.014064	±2.5	PASS
GPRS1900	661	0	NV	55	34.06	0.018117	±2.5	PASS
GPRS1900	810	0	NV	-30	38.10	0.019950	±2.5	PASS
GPRS1900	810	0	NV	-20	45.85	0.024008	±2.5	PASS
GPRS1900	810	0	NV	-10	33.19	0.017379	±2.5	PASS
GPRS1900	810	0	NV	0	41.36	0.021657	±2.5	PASS
GPRS1900	810	0	NV	10	30.61	0.016028	±2.5	PASS
GPRS1900	810	0	NV	20	36.10	0.018903	±2.5	PASS
GPRS1900	810	0	NV	30	33.64	0.017614	±2.5	PASS
GPRS1900	810	0	NV	40	44.43	0.023264	±2.5	PASS
GPRS1900	810	0	NV	50	33.96	0.017782	±2.5	PASS
GPRS1900	810	0	NV	55	44.33	0.023212	±2.5	PASS
EGPRS1900	512	2	NV	-30	43.13	0.023311	±2.5	PASS
EGPRS1900	512	2	NV	-20	36.39	0.019668	±2.5	PASS
EGPRS1900	512	2	NV	-10	47.82	0.025846	±2.5	PASS
EGPRS1900	512	2	NV	0	39.10	0.021133	±2.5	PASS
EGPRS1900	512	2	NV	10	32.19	0.017398	±2.5	PASS
EGPRS1900	512	2	NV	20	43.42	0.023468	±2.5	PASS
EGPRS1900	512	2	NV	30	37.61	0.020328	±2.5	PASS
EGPRS1900	512	2	NV	40	48.69	0.026316	±2.5	PASS
EGPRS1900	512	2	NV	50	42.17	0.022792	±2.5	PASS
EGPRS1900	512	2	NV	55	34.42	0.018603	±2.5	PASS
EGPRS1900	661	2	NV	-30	32.38	0.017223	±2.5	PASS
EGPRS1900	661	2	NV	-20	25.34	0.013479	±2.5	PASS
EGPRS1900	661	2	NV	-10	17.79	0.009463	±2.5	PASS
EGPRS1900	661	2	NV	0	28.35	0.015080	±2.5	PASS
EGPRS1900	661	2	NV	10	22.31	0.011867	±2.5	PASS
EGPRS1900	661	2	NV	20	33.61	0.017878	±2.5	PASS
EGPRS1900	661	2	NV	30	27.28	0.014511	±2.5	PASS
EGPRS1900	661	2	NV	40	37.23	0.019803	±2.5	PASS
EGPRS1900	661	2	NV	50	30.64	0.016298	±2.5	PASS
EGPRS1900	661	2	NV	55	24.12	0.012830	±2.5	PASS
EGPRS1900	810	2	NV	-30	38.94	0.020390	±2.5	PASS
EGPRS1900	810	2	NV	-20	32.77	0.017159	±2.5	PASS
EGPRS1900	810	2	NV	-10	24.34	0.012745	±2.5	PASS
EGPRS1900	810	2	NV	0	35.26	0.018463	±2.5	PASS
EGPRS1900	810	2	NV	10	26.57	0.013912	±2.5	PASS
EGPRS1900	810	2	NV	20	36.13	0.018918	±2.5	PASS
EGPRS1900	810	2	NV	30	38.03	0.019913	±2.5	PASS
EGPRS1900	810	2	NV	40	33.06	0.017311	±2.5	PASS
EGPRS1900	810	2	NV	50	27.93	0.014625	±2.5	PASS
EGPRS1900	810	2	NV	55	39.39	0.020625	±2.5	PASS

Appendix B: Test Results of WCDMA operation

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1.1 Effective (Isotropic) Radiated Power Output Data

1.1.1 Test Result

Band	Channel	Power(dBm)	Limit(dBm)	Verdict
Band2	9262	22.18	33	PASS
Band2	9400	22.19	33	PASS
Band2	9538	22.19	33	PASS
Band4	1312	22.54	30	PASS
Band4	1413	22.42	30	PASS
Band4	1513	22.64	30	PASS
Band5	4132	22.91	38.5	PASS
Band5	4182	22.62	38.5	PASS
Band5	4233	22.55	38.5	PASS

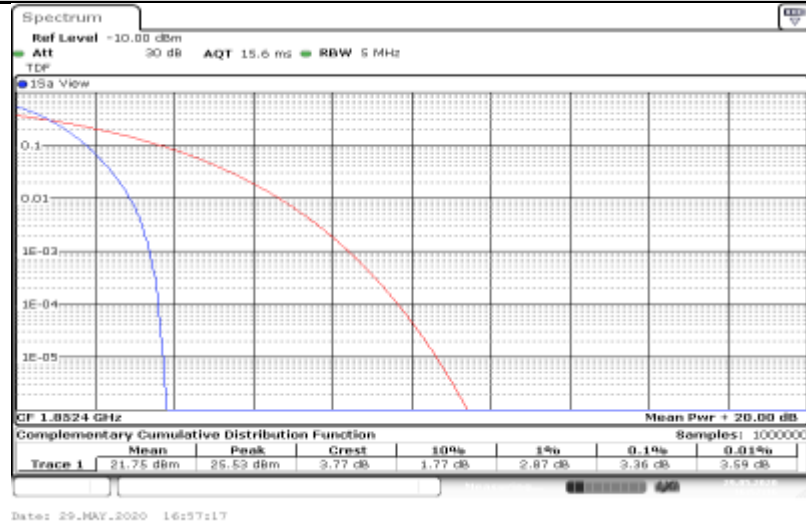
1.2 Peak-to-Average Ratio

1.2.1 Test Result

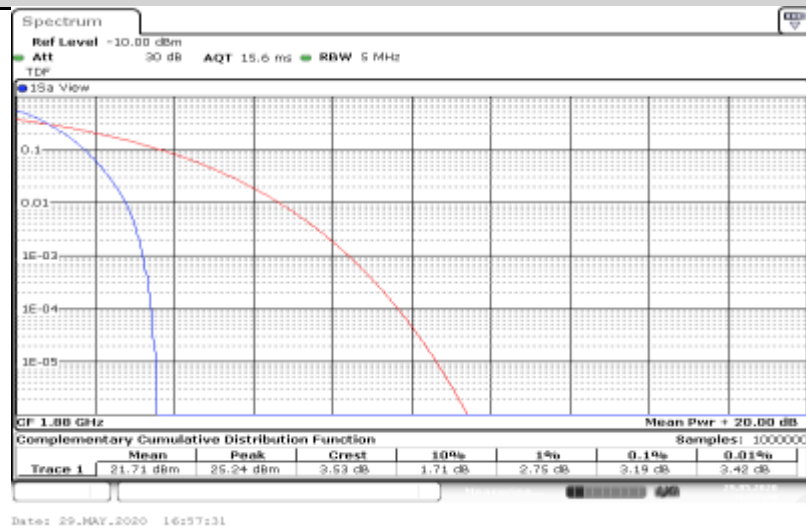
Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
Band2	9262	3.36	13	PASS
Band2	9400	3.19	13	PASS
Band2	9538	3.25	13	PASS
Band4	1312	3.33	13	PASS
Band4	1413	3.25	13	PASS
Band4	1513	3.19	13	PASS
Band5	4132	3.25	13	PASS
Band5	4182	3.22	13	PASS
Band5	4233	3.22	13	PASS

1.2.2 Test Graphs

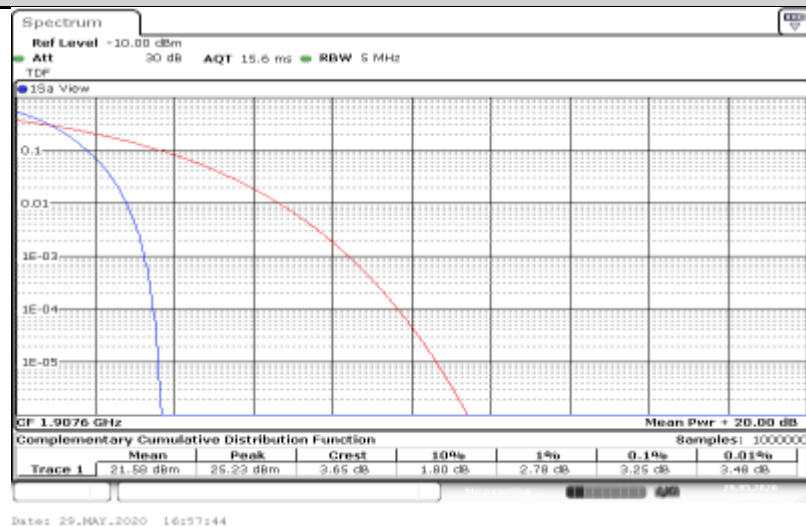
Band2-9262



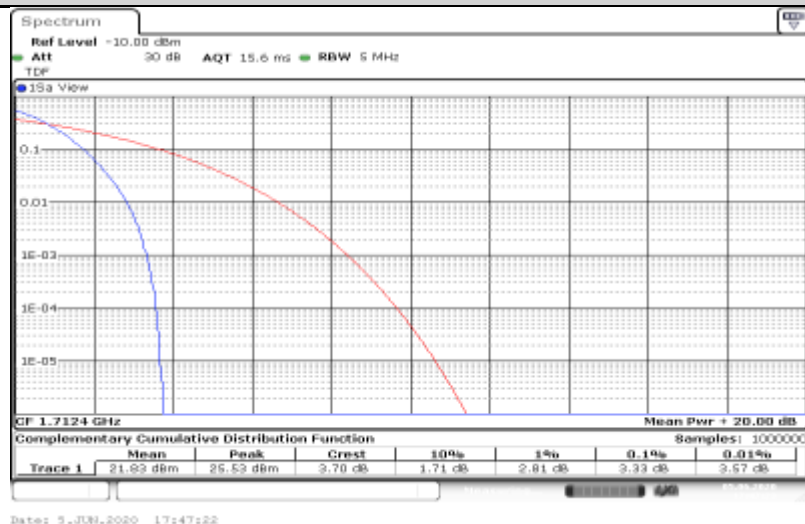
Band2-9400



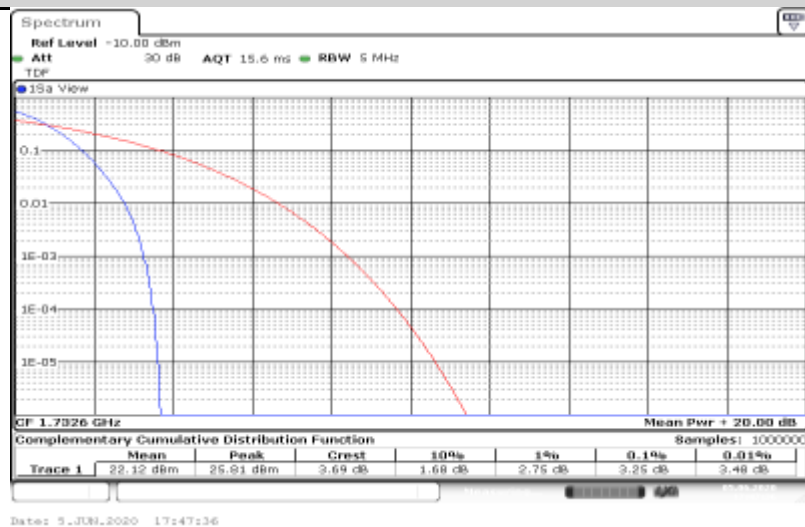
Band2-9538



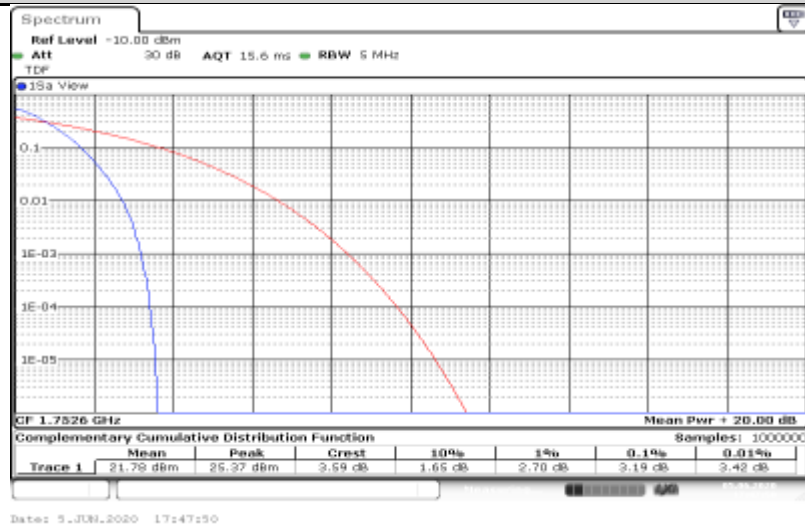
Band4-1312



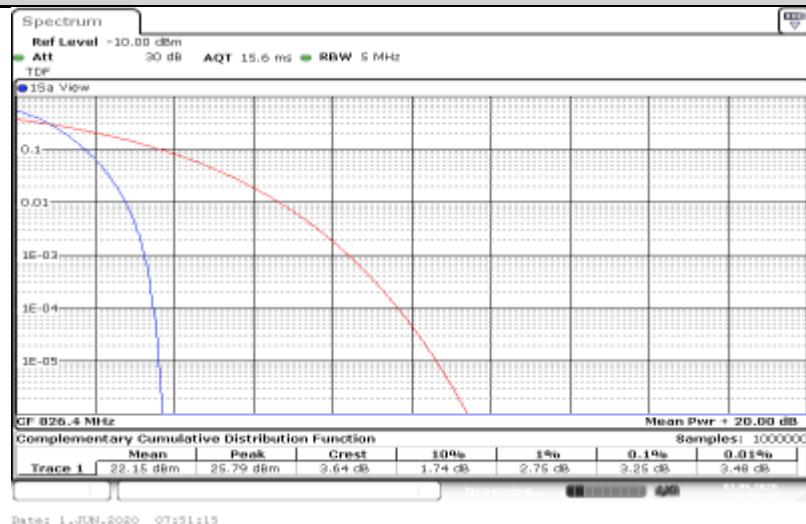
Band4-1413



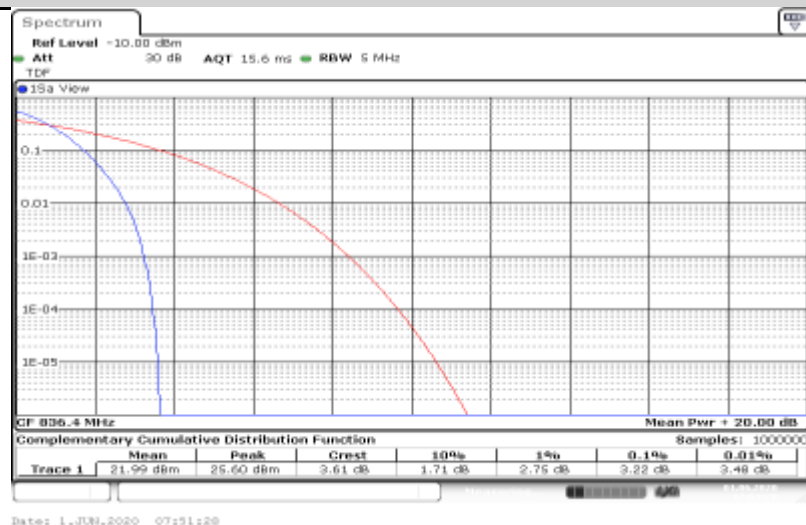
Band4-1513



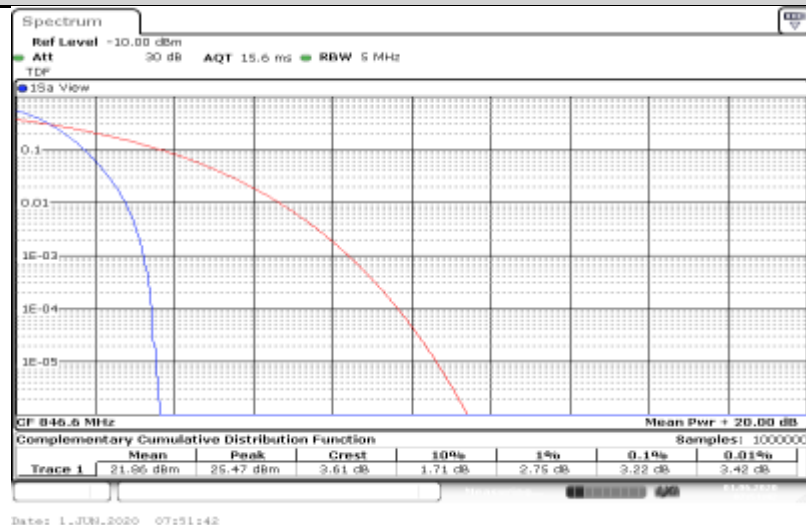
Band5-4132



Band5-4182



Band5-4233



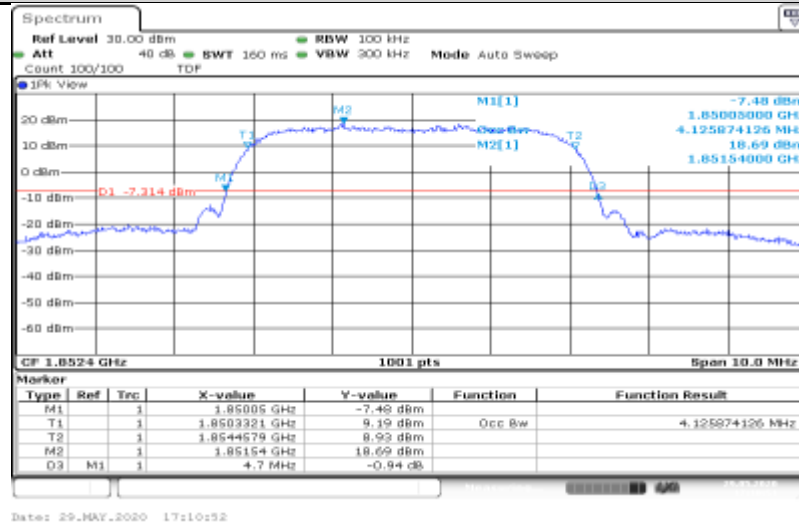
1.3 26dB Bandwidth and Occupied Bandwidth

1.3.1 Test Result

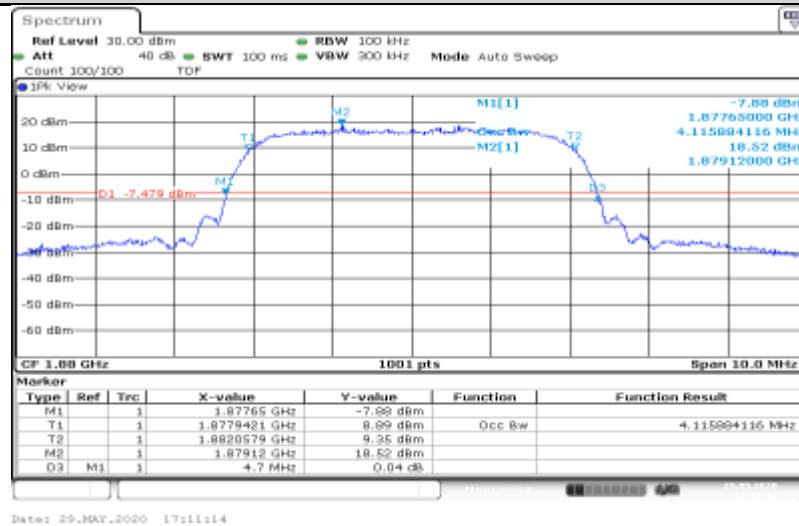
Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band2	9262	99	-26	---	PASS
Band2	9400	99	-26	---	PASS
Band2	9538	99	-26	---	PASS
Band4	1312	99	-26	---	PASS
Band4	1413	99	-26	---	PASS
Band4	1513	99	-26	---	PASS
Band5	4132	99	-26	---	PASS
Band5	4182	99	-26	---	PASS
Band5	4233	99	-26	---	PASS

1.3.2 Test Graphs

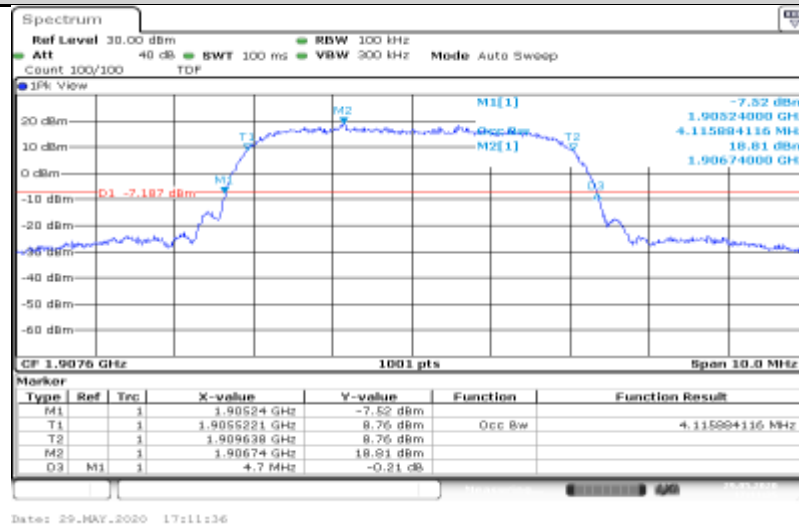
Band2-9262



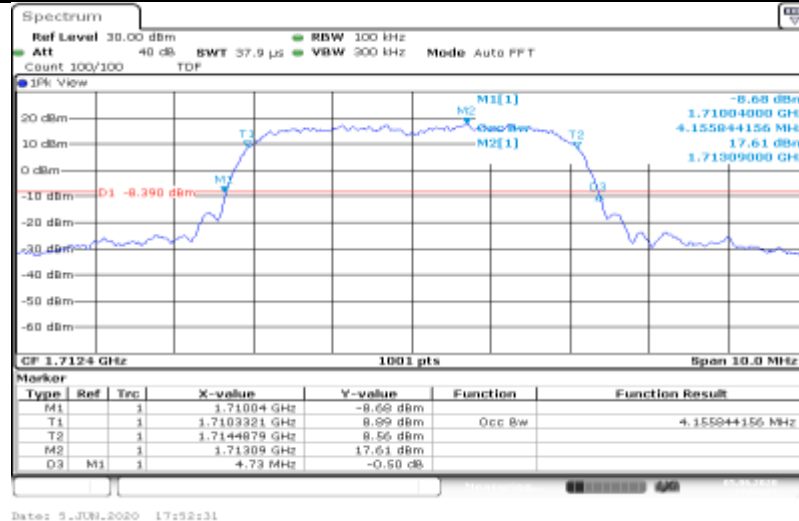
Band2-9400



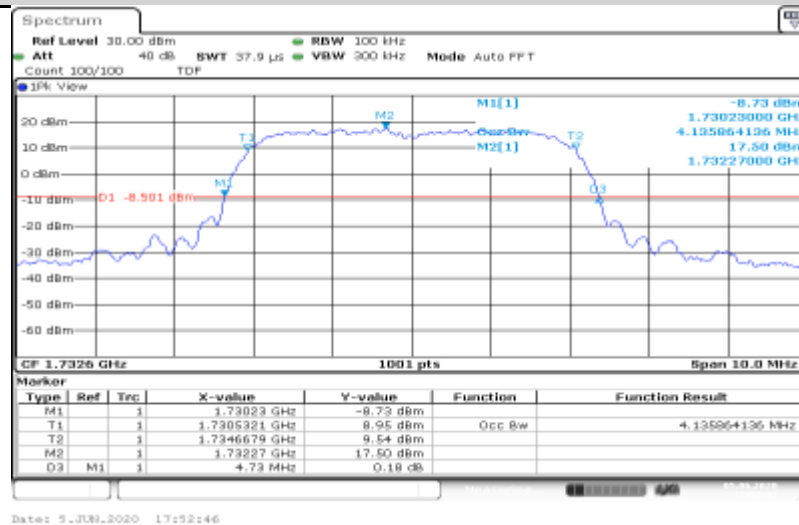
Band2-9538



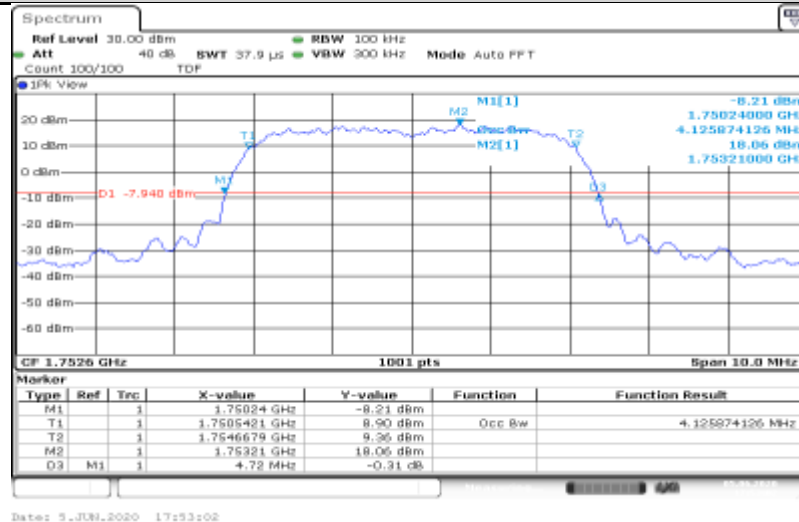
Band4-1312



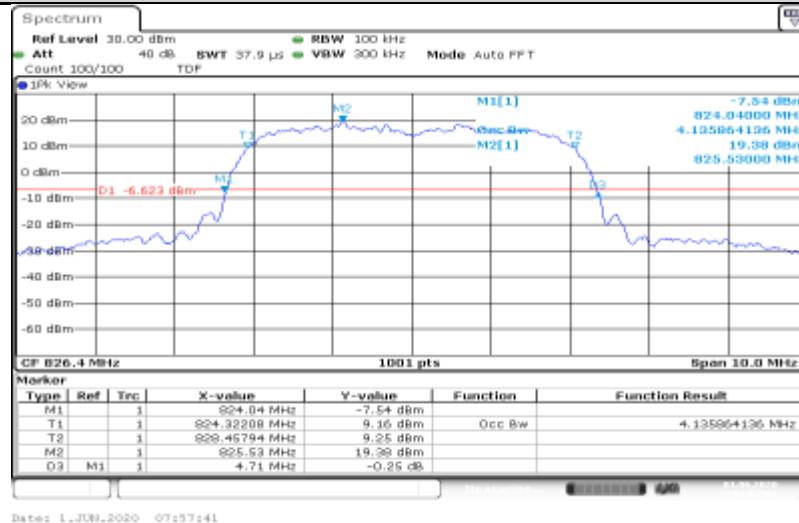
Band4-1413



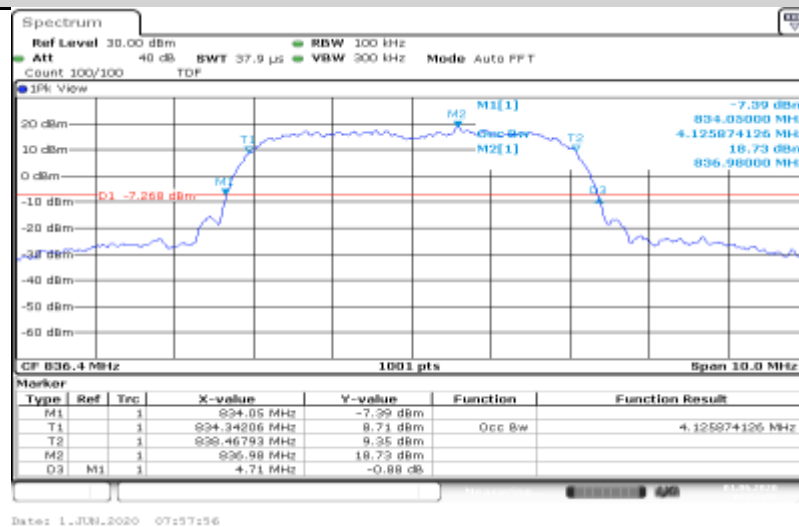
Band4-1513



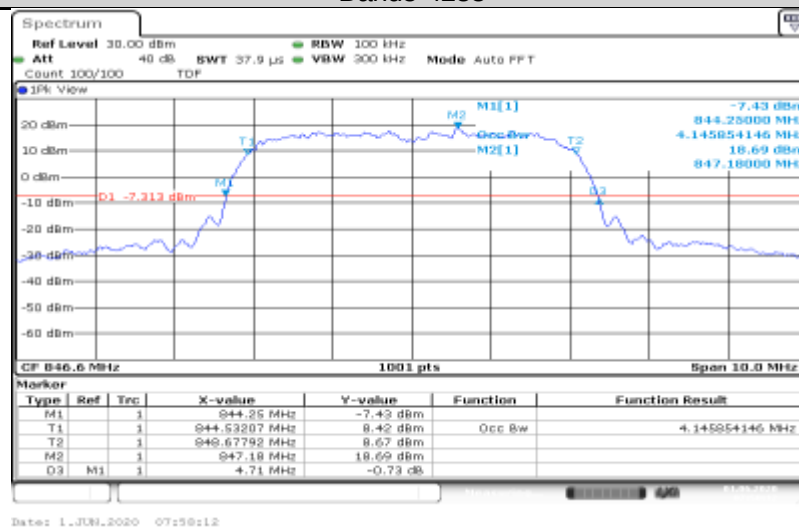
Band5-4132



Band5-4182



Band5-4233



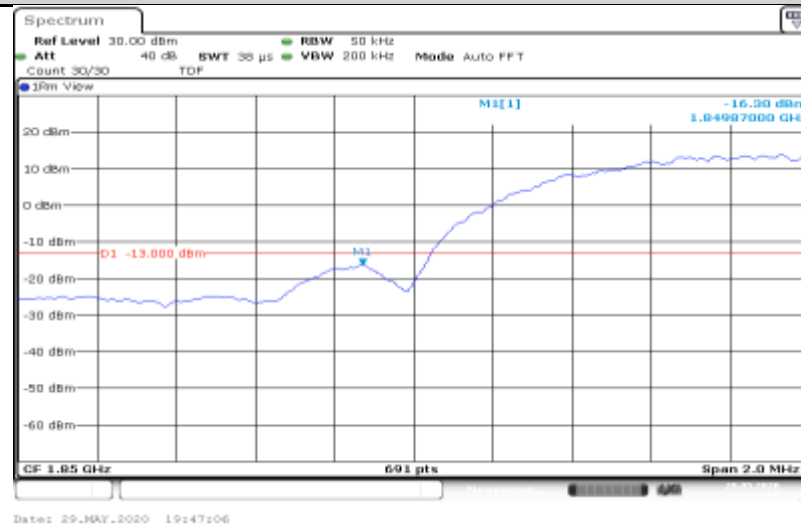
1.4 Band Edge

1.4.1 Test Result

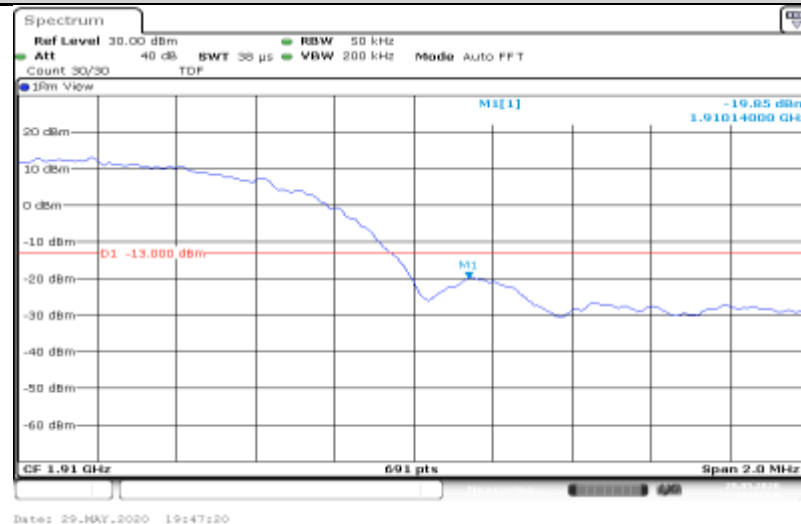
Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band2	9262	1849.87	-16.30	-13	PASS
Band2	9538	1910.14	-19.76	-13	PASS
Band4	1312	1709.87	-18.40	-13	PASS
Band4	1513	1755.00	-18.26	-13	PASS
Band5	4132	823.87	-17.10	-13	PASS
Band5	4233	849.17	-17.87	-13	PASS

1.4.2 Test Graphs

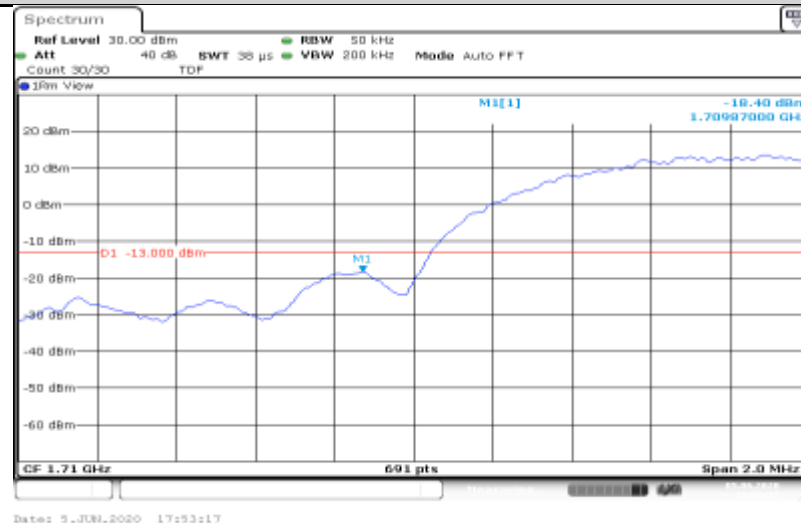
Band2-9262-1849.87



Band2-9538-1910.14



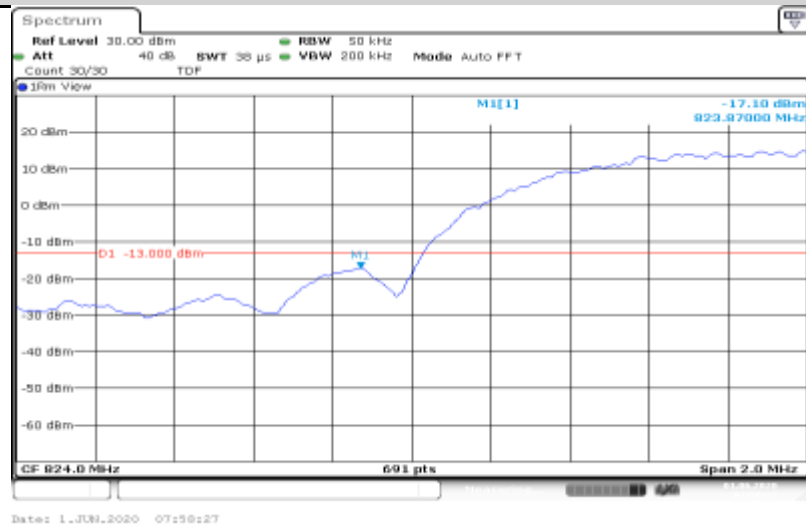
Band4-1312-1709.87



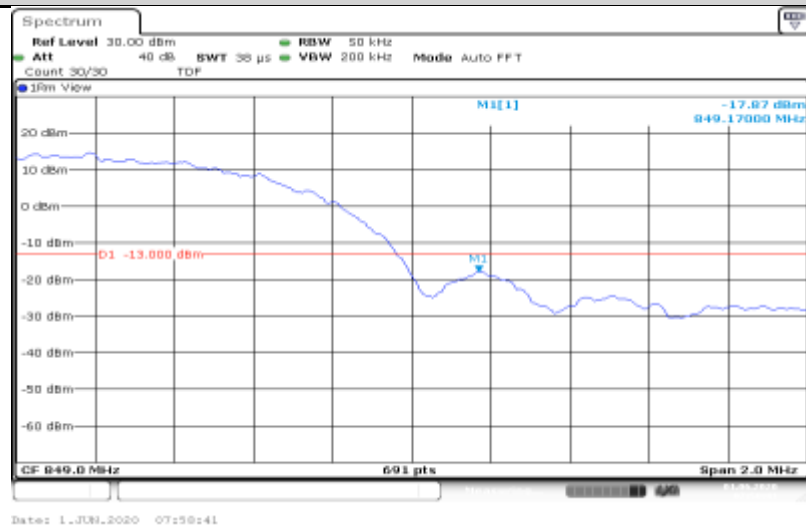
Band4-1513-1755.00



Band5-4132-823.87



Band5-4233-849.17



1.5 Conducted Spurious Emission

1.5.1 Test Result

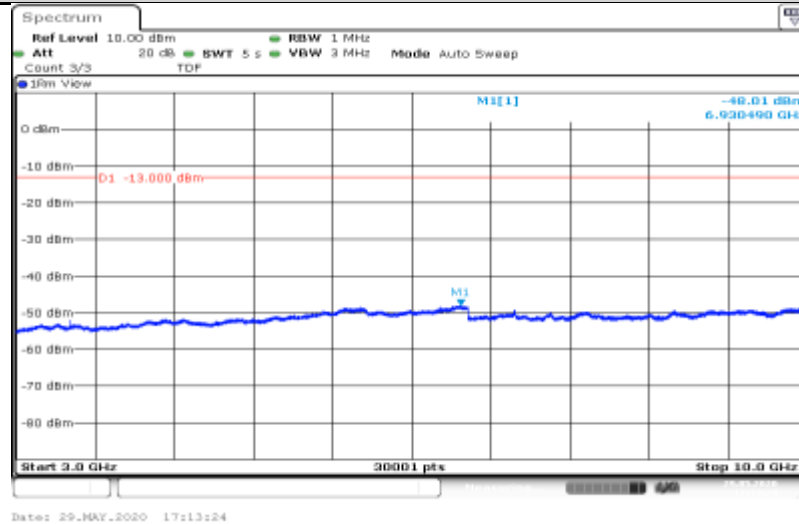
Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band2	9262	3000~10000MHz	6930.49	-48.01	-13	PASS
Band2	9262	0.009~0.15MHz	0.02	-64.97	-43	PASS
Band2	9262	10000~20000MHz	17639.91	-38.02	-13	PASS
Band2	9262	1000~3000MHz	2968.73	-41.46	-13	PASS
Band2	9262	30~1000MHz	919.64	-35.44	-13	PASS
Band2	9262	0.15~30MHz	0.36	-62.61	-23	PASS
Band2	9400	0.15~30MHz	0.27	-61.7	-23	PASS
Band2	9400	10000~20000MHz	17659.24	-38.08	-13	PASS
Band2	9400	3000~10000MHz	6900.15	-48.04	-13	PASS
Band2	9400	0.009~0.15MHz	0.02	-65.31	-43	PASS
Band2	9400	30~1000MHz	979.62	-35.12	-13	PASS
Band2	9400	1000~3000MHz	2973.87	-41.3	-13	PASS
Band2	9538	30~1000MHz	939.98	-35.53	-13	PASS
Band2	9538	0.15~30MHz	0.25	-62.25	-23	PASS
Band2	9538	0.009~0.15MHz	0.02	-65.15	-43	PASS
Band2	9538	10000~20000MHz	17646.25	-37.87	-13	PASS
Band2	9538	1000~3000MHz	2947.73	-41.45	-13	PASS
Band2	9538	3000~10000MHz	6906.22	-47.96	-13	PASS
Band4	1312	0.009~0.15MHz	0.02	-64.76	-43	PASS
Band4	1312	0.15~30MHz	0.17	-61.44	-23	PASS
Band4	1312	30~1000MHz	881.81	-35.12	-13	PASS
Band4	1312	1000~3000MHz	2111.8	-40.12	-13	PASS
Band4	1312	3000~10000MHz	5139.71	-39.19	-13	PASS
Band4	1312	10000~20000MHz	17645.25	-38.05	-13	PASS
Band4	1413	30~1000MHz	961.06	-35.53	-13	PASS
Band4	1413	1000~3000MHz	2974.67	-41.24	-13	PASS
Band4	1413	3000~10000MHz	5194.78	-37.84	-13	PASS
Band4	1413	0.15~30MHz	0.32	-61.76	-23	PASS
Band4	1413	10000~20000MHz	17654.91	-38.02	-13	PASS
Band4	1413	0.009~0.15MHz	0.02	-65.22	-43	PASS
Band4	1513	3000~10000MHz	5260.81	-38.01	-13	PASS
Band4	1513	1000~3000MHz	2965.47	-41.29	-13	PASS
Band4	1513	0.009~0.15MHz	0.02	-65.5	-43	PASS
Band4	1513	0.15~30MHz	0.17	-62.48	-23	PASS
Band4	1513	30~1000MHz	933.57	-34.41	-13	PASS
Band4	1513	10000~20000MHz	17647.91	-37.96	-13	PASS
Band5	4132	1500~3000MHz	2992.53	-39.73	-13	PASS
Band5	4132	0.009~0.15MHz	0.02	-65.04	-33	PASS
Band5	4132	0.15~30MHz	0.43	-62.26	-13	PASS
Band5	4132	1000~1500MHz	1464.74	-43.99	-13	PASS
Band5	4132	3000~10000MHz	6926.29	-48.01	-13	PASS
Band5	4132	10000~18000MHz	15596.48	-45.31	-13	PASS
Band5	4132	30~1000MHz	983.67	-35.68	-13	PASS
Band5	4182	1500~3000MHz	2974.28	-39.66	-13	PASS
Band5	4182	0.009~0.15MHz	0.02	-65.28	-33	PASS
Band5	4182	0.15~30MHz	0.3	-61.39	-13	PASS
Band5	4182	1000~1500MHz	1453.43	-43.86	-13	PASS
Band5	4182	3000~10000MHz	6915.79	-47.99	-13	PASS
Band5	4182	10000~18000MHz	15580.75	-45.36	-13	PASS
Band5	4182	30~1000MHz	973.13	-35.26	-13	PASS
Band5	4233	0.009~0.15MHz	0.02	-65.16	-33	PASS

Produkte
Products

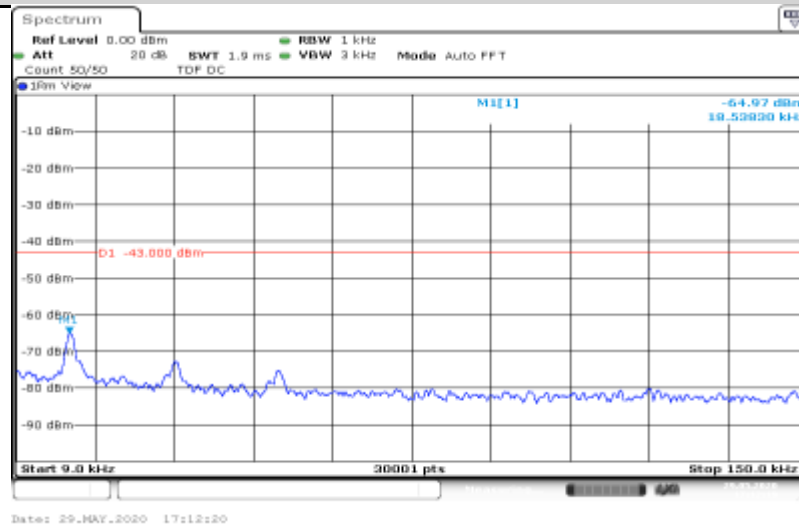
Band5	4233	0.15~30MHz	0.35	-62.41	-13	PASS
Band5	4233	30~1000MHz	977.79	-35.34	-13	PASS
Band5	4233	1000~1500MHz	1481.69	-44.04	-13	PASS
Band5	4233	1500~3000MHz	2991.98	-39.77	-13	PASS
Band5	4233	3000~10000MHz	6949.39	-48.04	-13	PASS
Band5	4233	10000~18000MHz	15589.28	-45.16	-13	PASS

1.5.2 Test Graphs

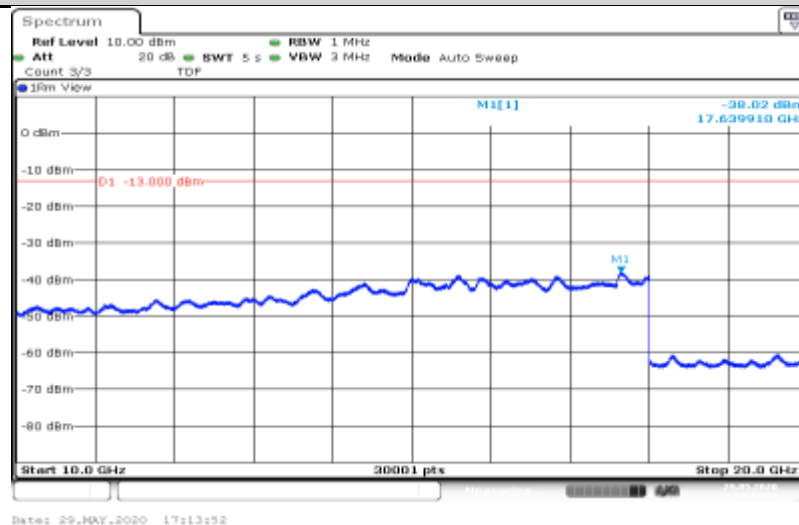
Band2-9262-3000~10000MHz-6930.49



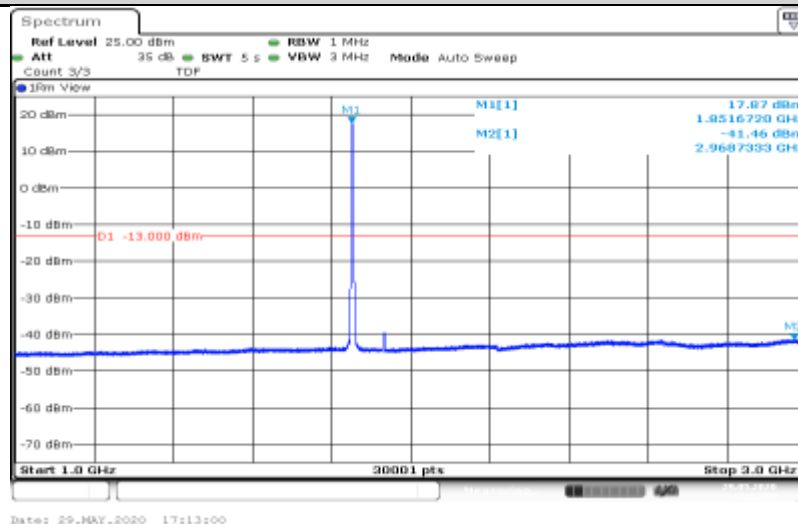
Band2-9262-0.009~0.15MHz-0.02



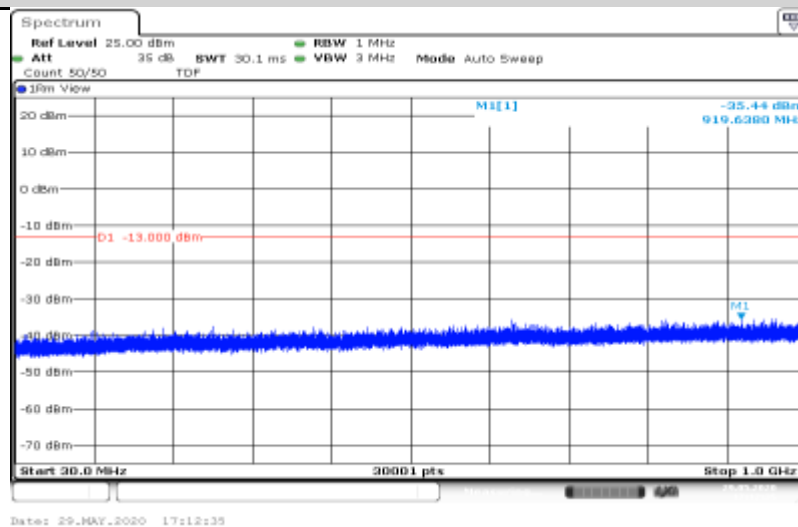
Band2-9262-10000~20000MHz-17639.91



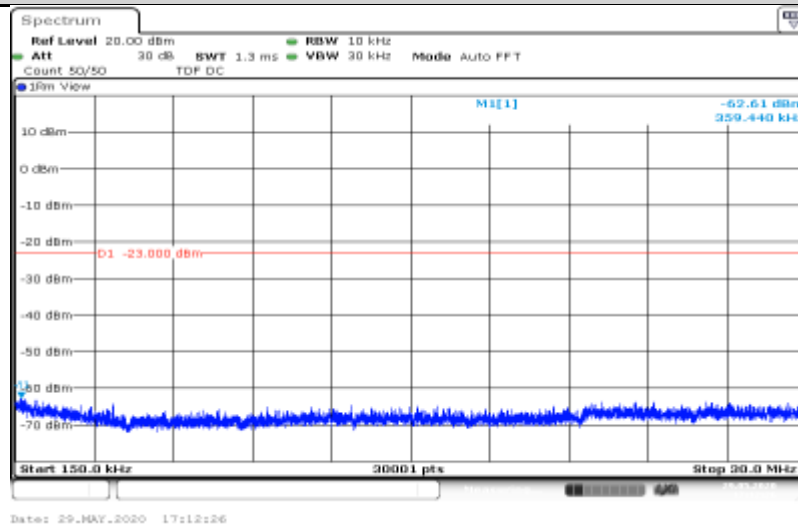
Band2-9262-1000~3000MHz-2968.73



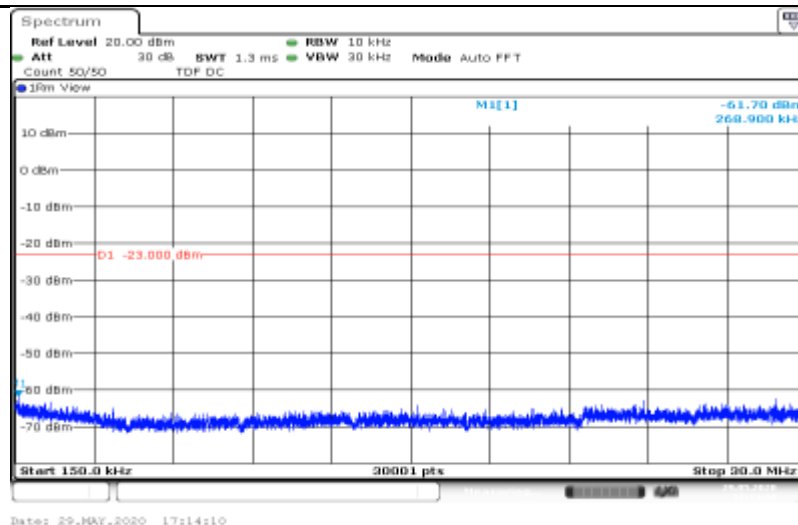
Band2-9262-30~1000MHz-919.64



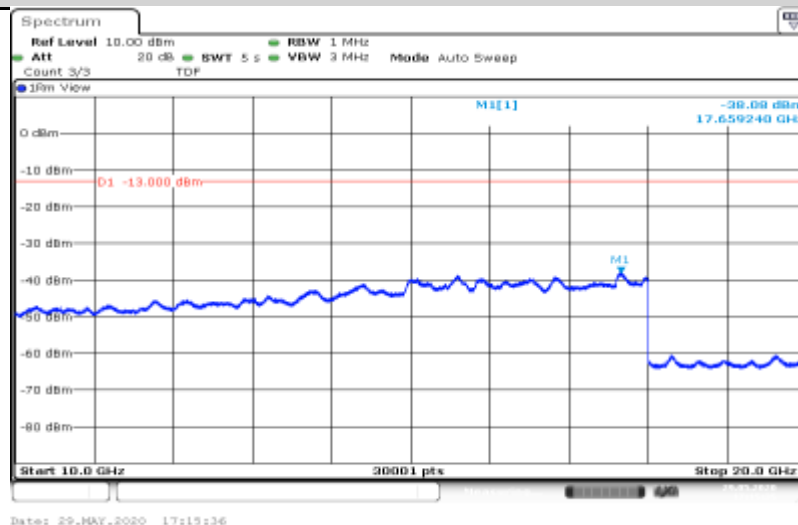
Band2-9262-0.15~30MHz-0.36



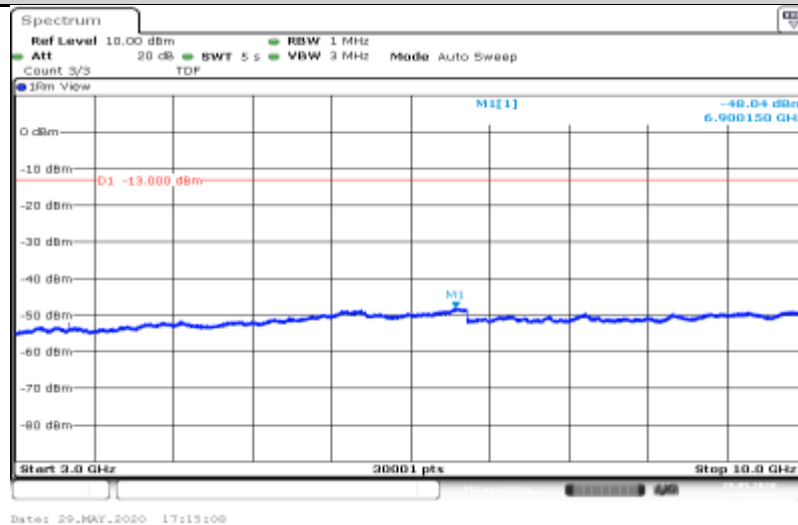
Band2-9400-0.15~30MHz-0.27



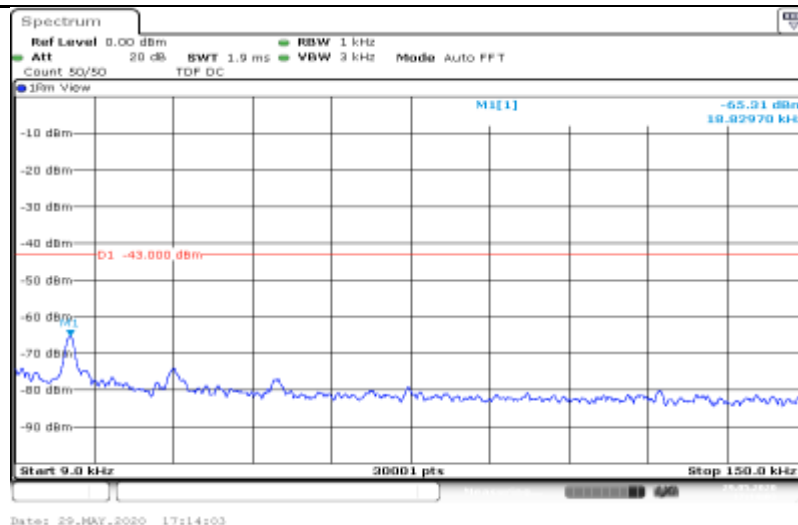
Band2-9400-10000~20000MHz-17659.24



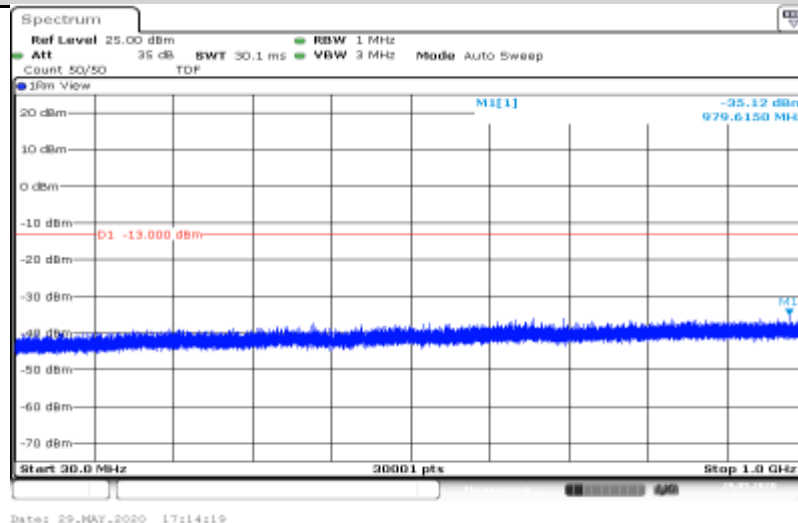
Band2-9400-3000~10000MHz-6900.15



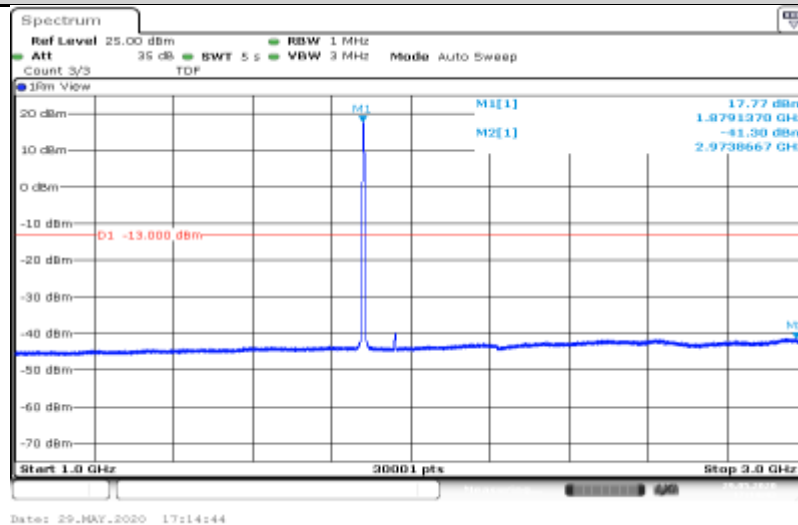
Band2-9400-0.009~0.15MHz-0.02



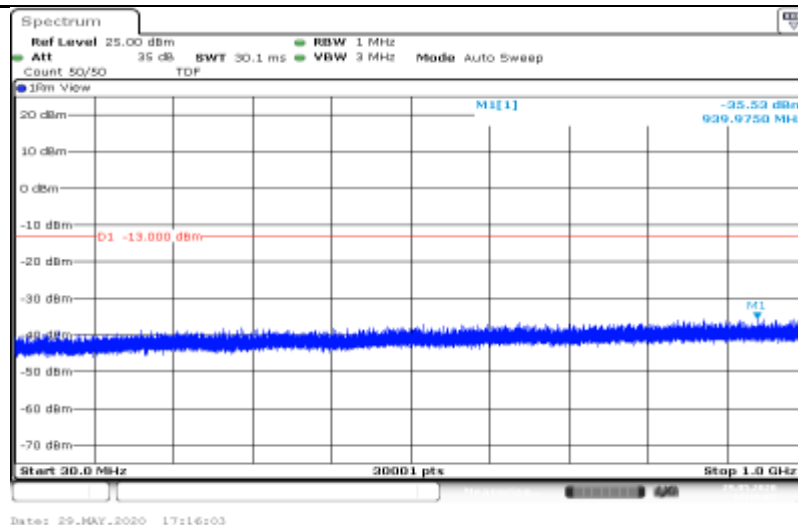
Band2-9400-30~1000MHz-979.62



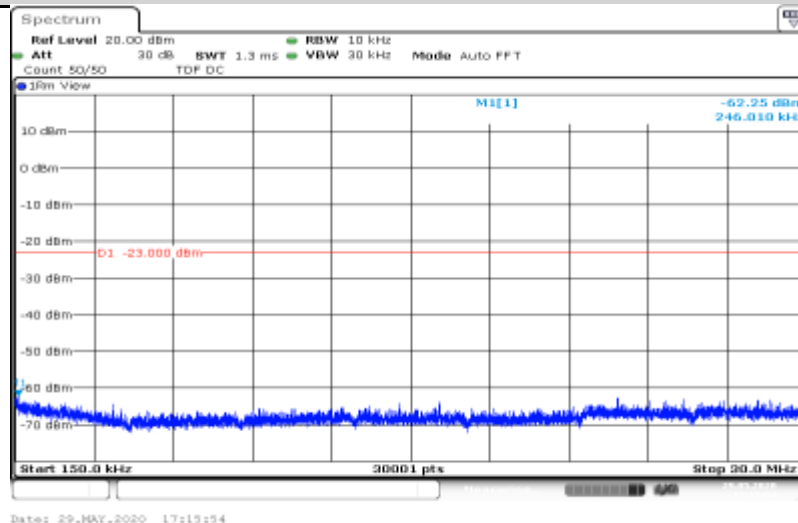
Band2-9400-1000~3000MHz-2973.87



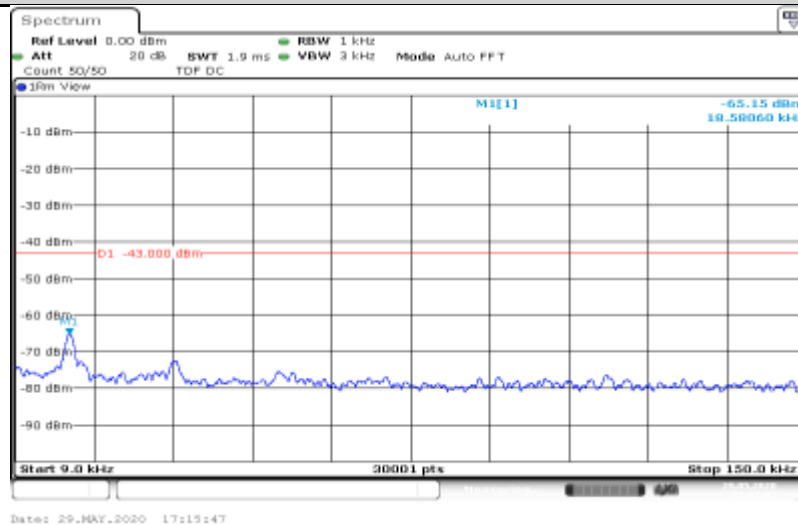
Band2-9538-30~1000MHz-939.98



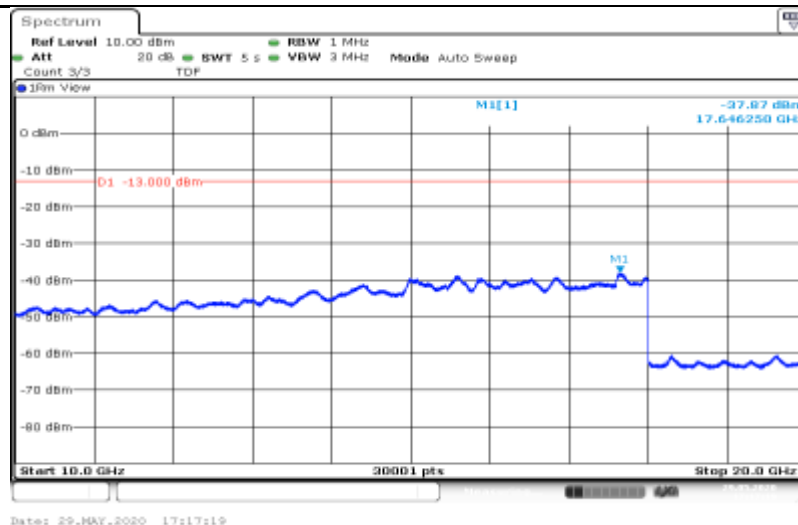
Band2-9538-0.15~30MHz-0.25



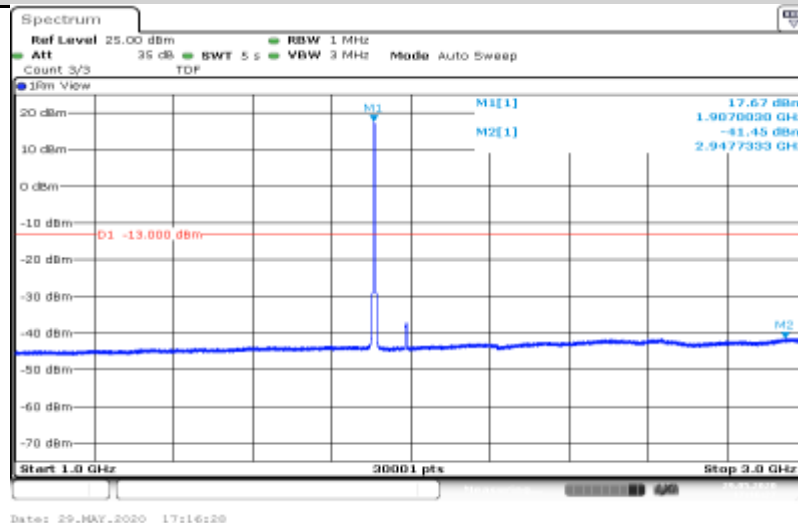
Band2-9538-0.009~0.15MHz-0.02



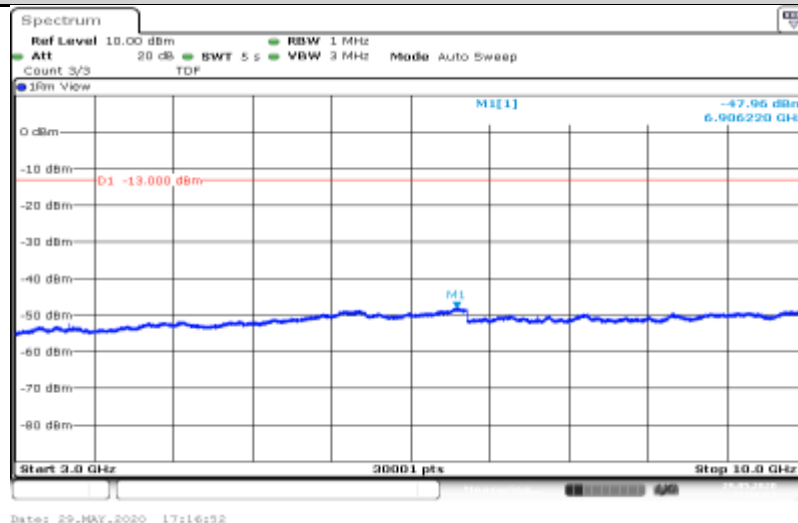
Band2-9538-10000~20000MHz-17646.25



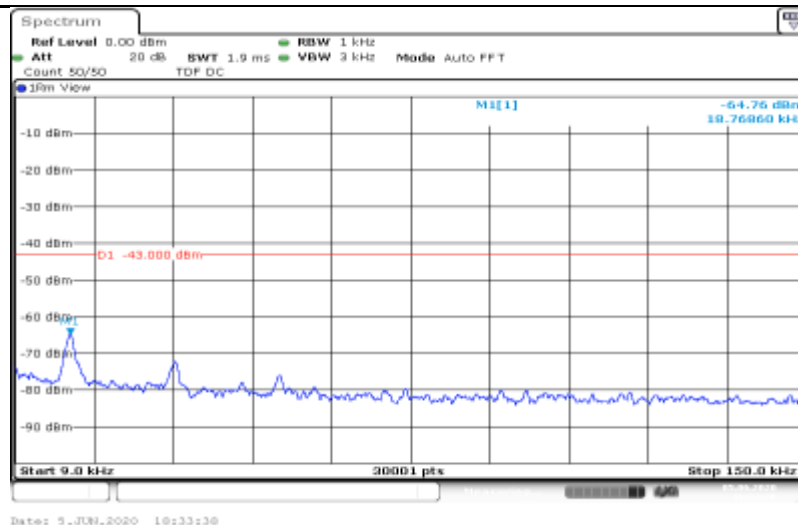
Band2-9538-1000~3000MHz-2947.73



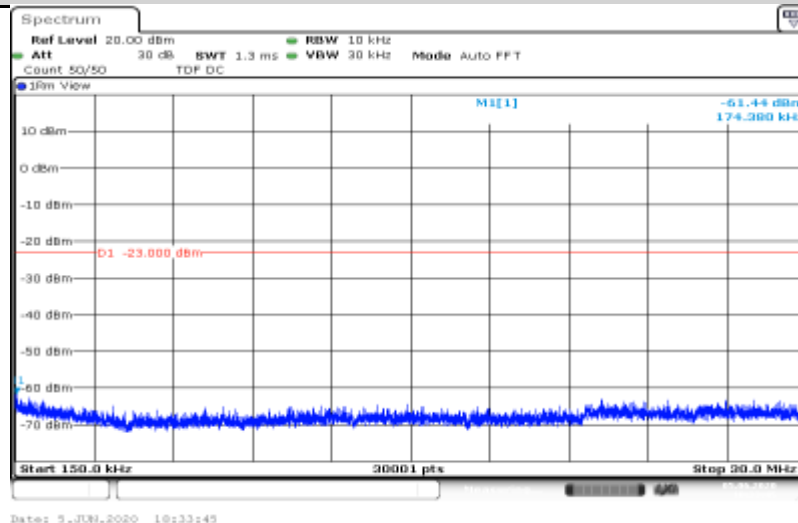
Band2-9538-3000~10000MHz-6906.22



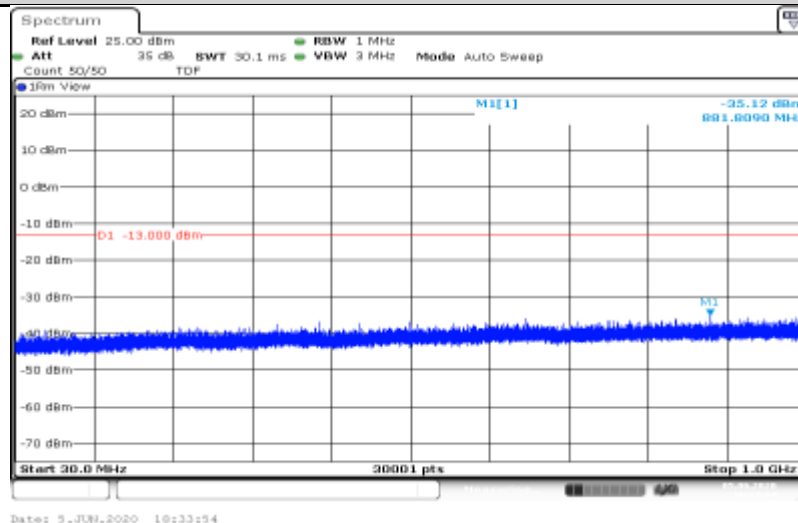
Band4-1312-0.009~0.15MHz-0.02



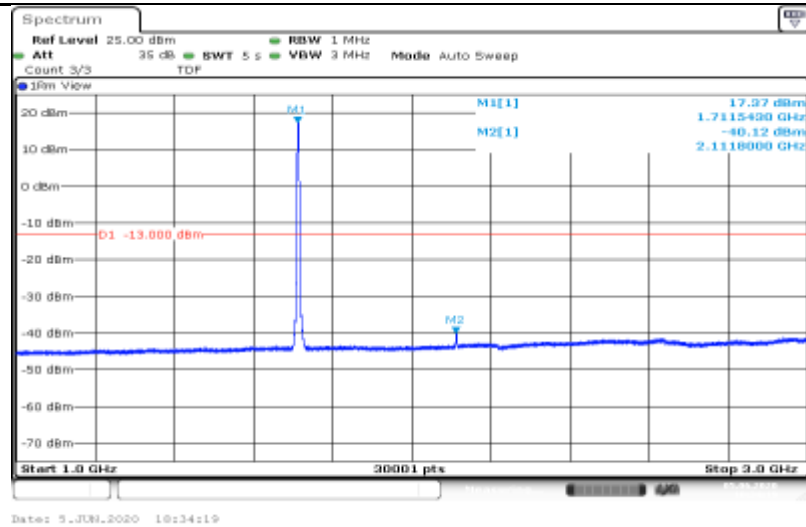
Band4-1312-0.15~30MHz-0.17



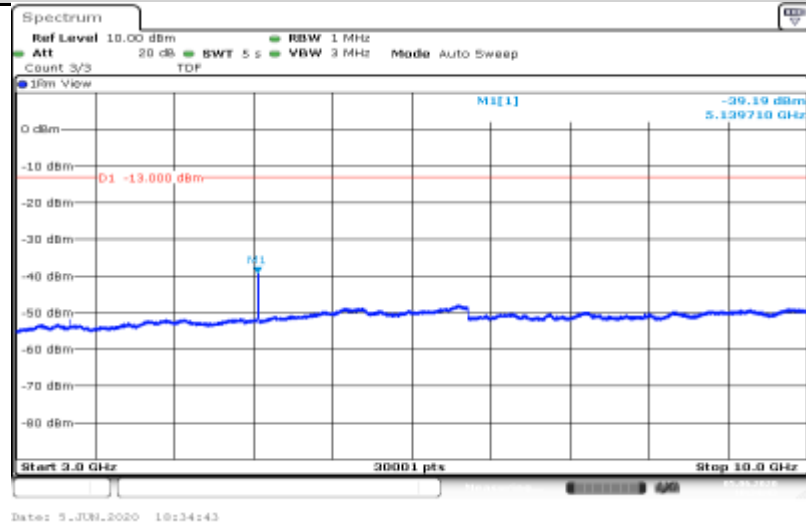
Band4-1312-30~1000MHz-881.81



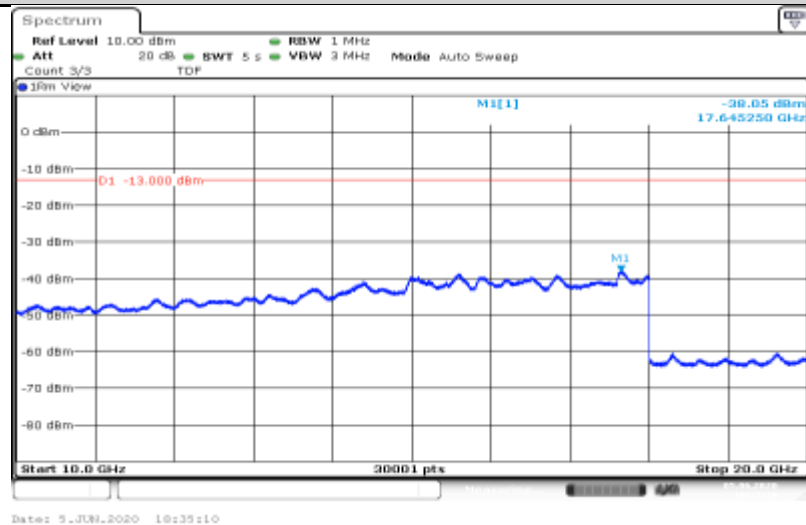
Band4-1312-1000~3000MHz-2111.8



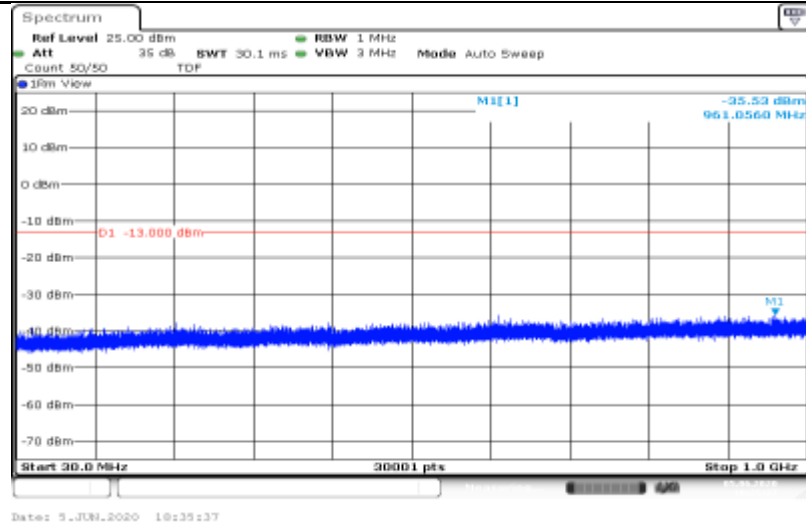
Band4-1312-3000~10000MHz-5139.71



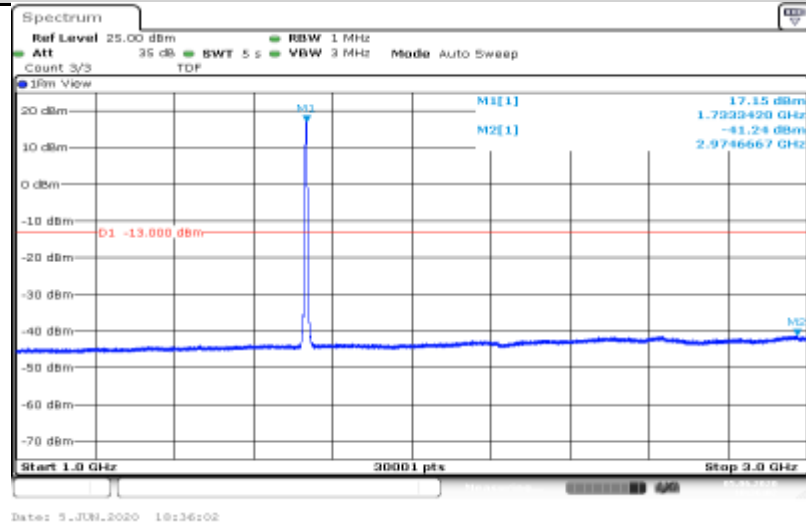
Band4-1312-10000~20000MHz-17645.25



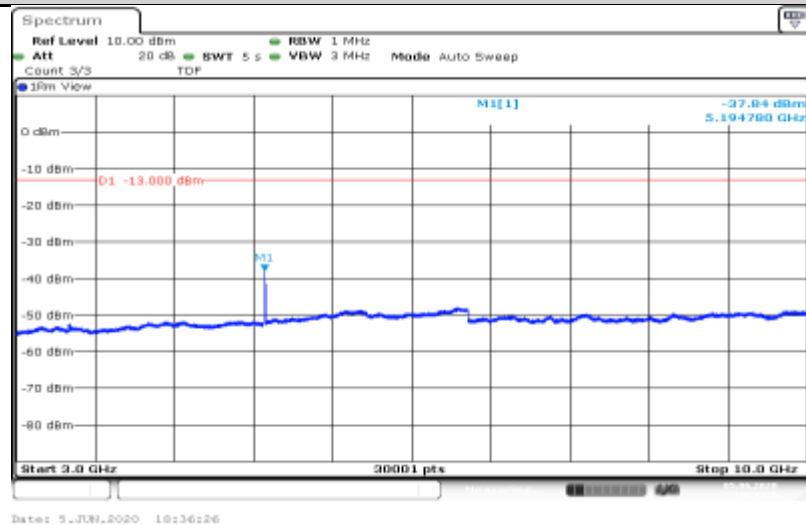
Band4-1413-30~1000MHz-961.06



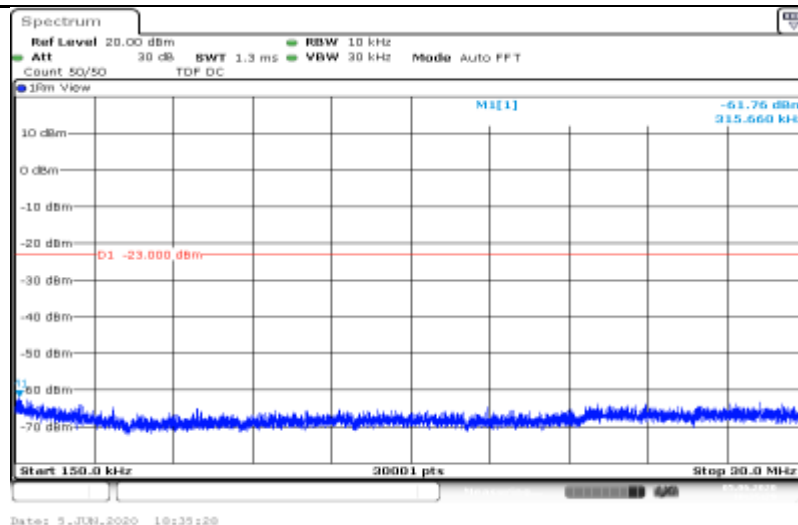
Band4-1413-1000~3000MHz-2974.67



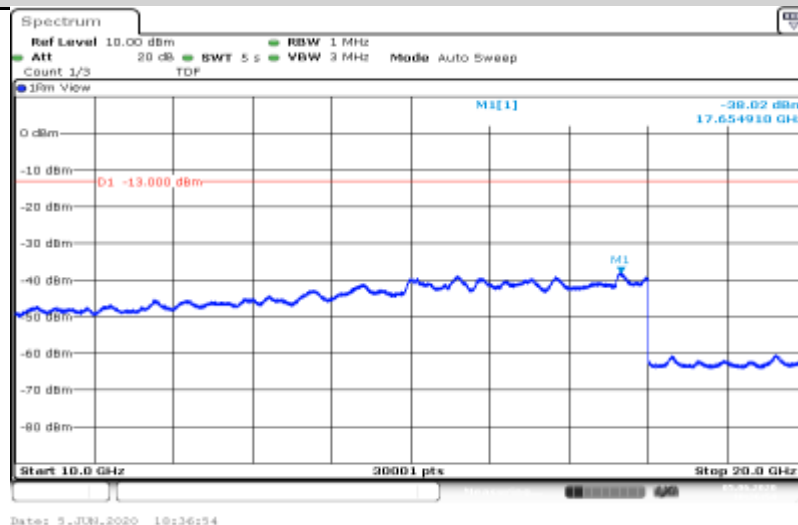
Band4-1413-3000~10000MHz-5194.78



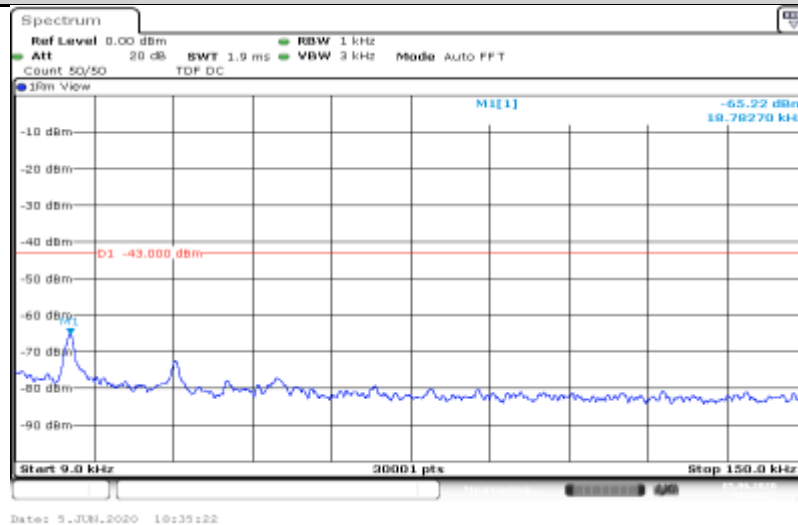
Band4-1413-0.15~30MHz-0.32



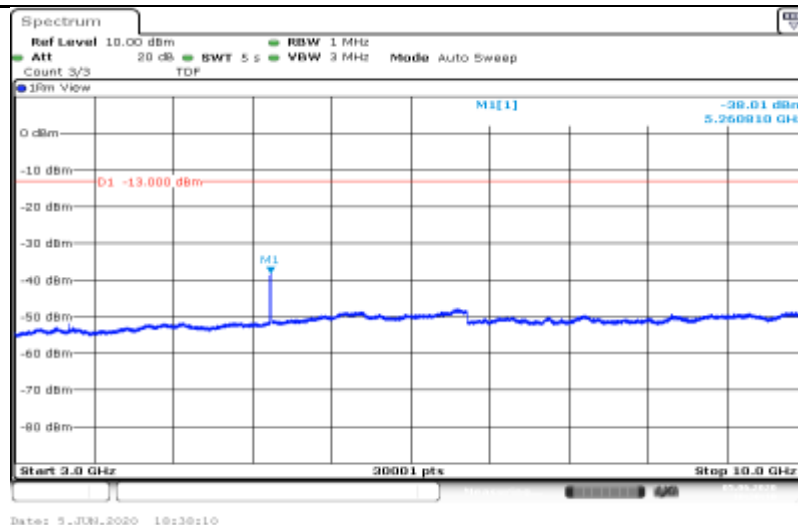
Band4-1413-10000~20000MHz-17654.91



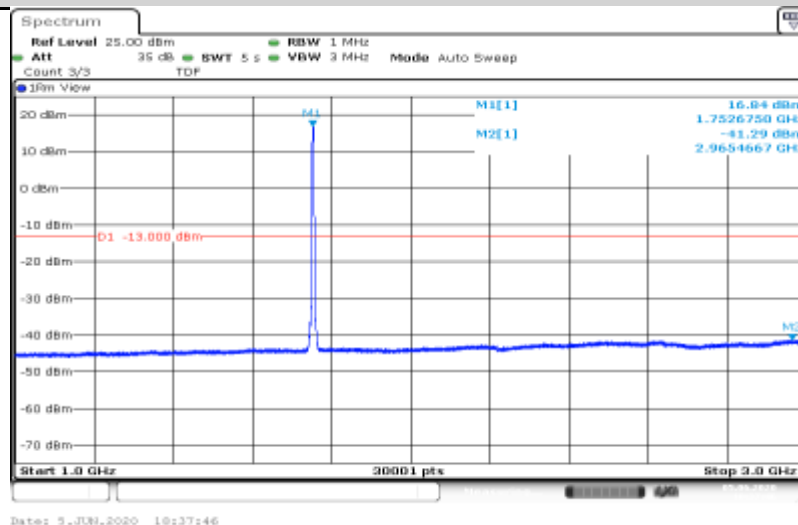
Band4-1413-0.009~0.15MHz-0.02



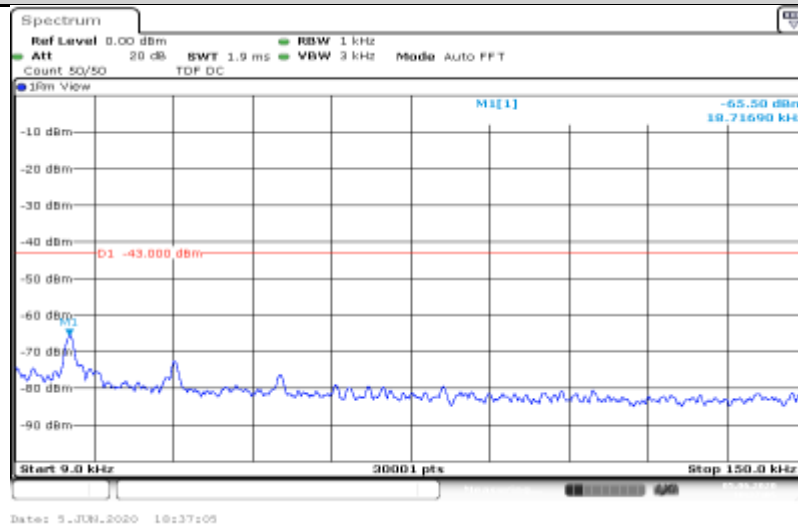
Band4-1513-3000~10000MHz-5260.81



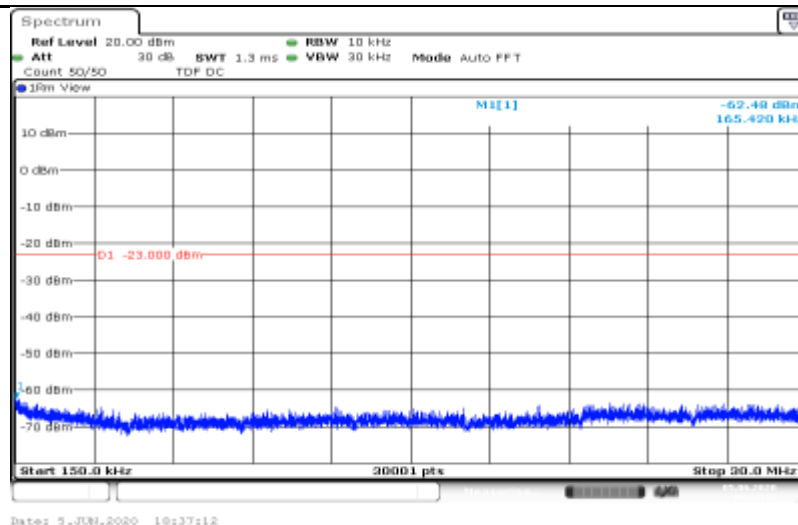
Band4-1513-1000~3000MHz-2965.47



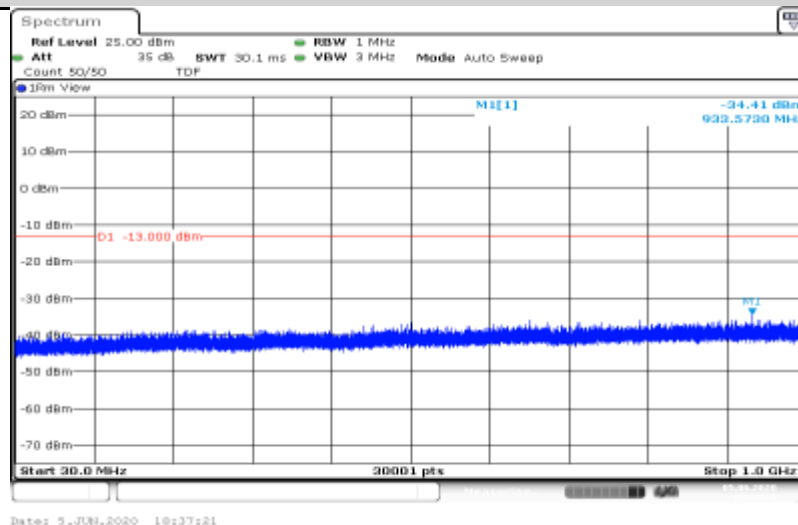
Band4-1513-0.009~0.15MHz-0.02



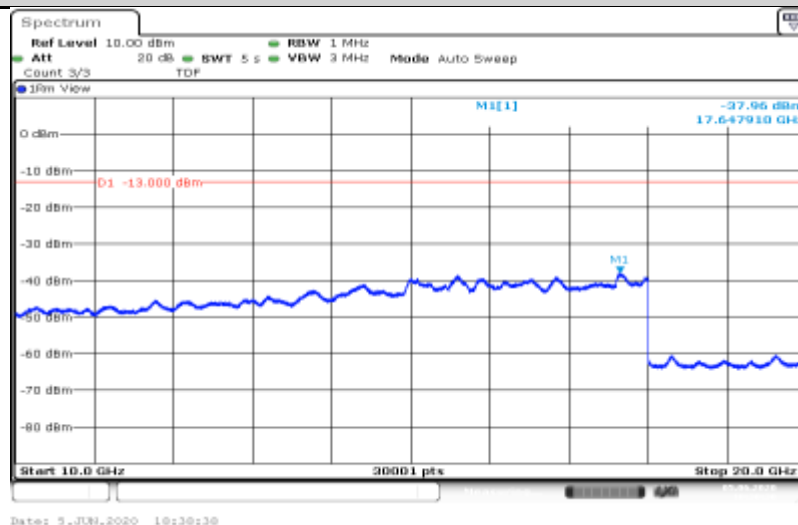
Band4-1513-0.15~30MHz-0.17



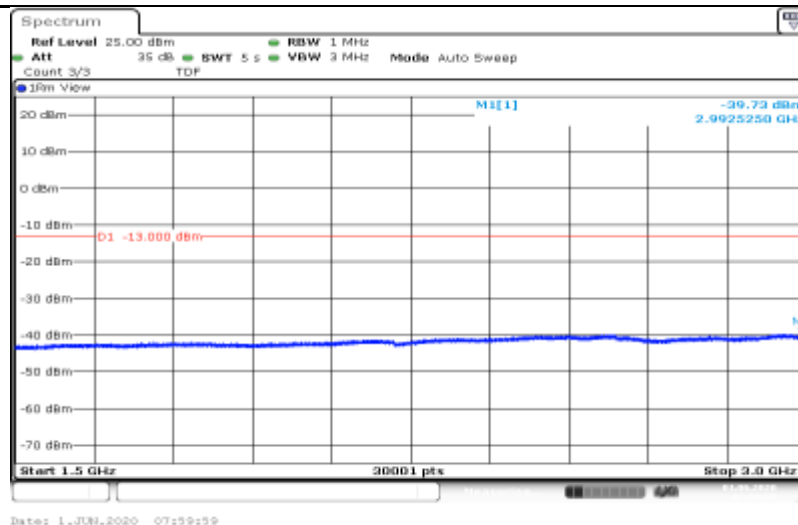
Band4-1513-30~1000MHz-933.57



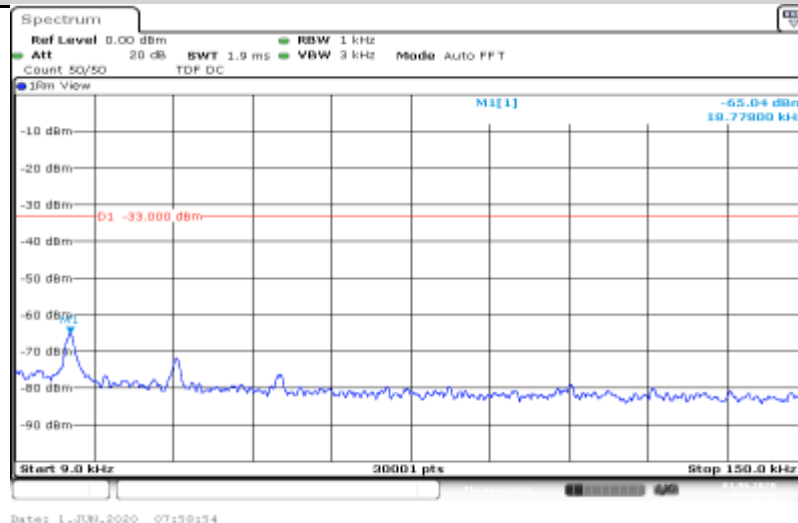
Band4-1513-10000~20000MHz-17647.91



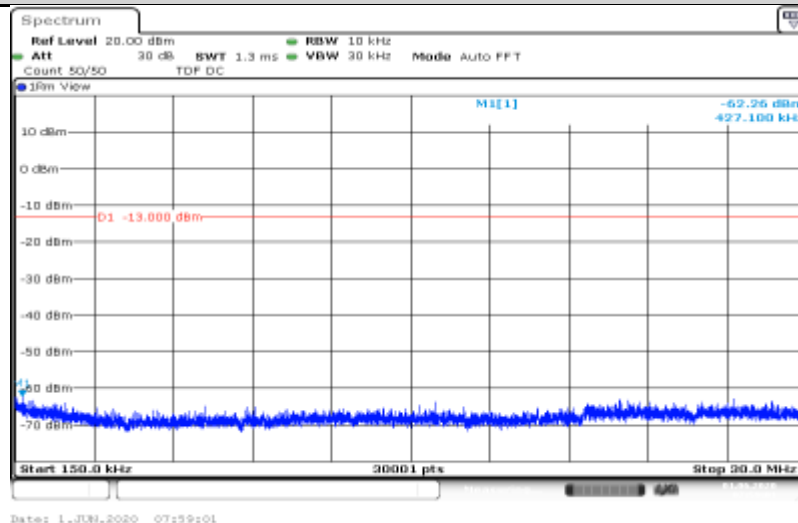
Band5-4132-1500~3000MHz-2992.53



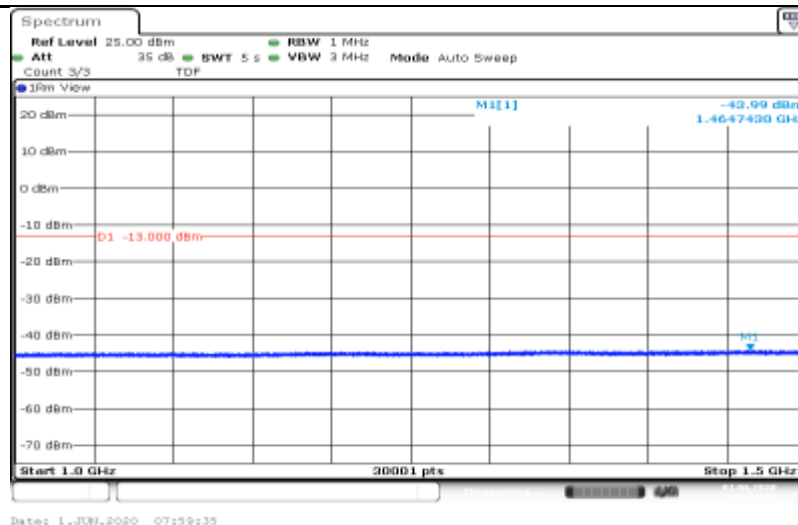
Band5-4132-0.009~0.15MHz-0.02



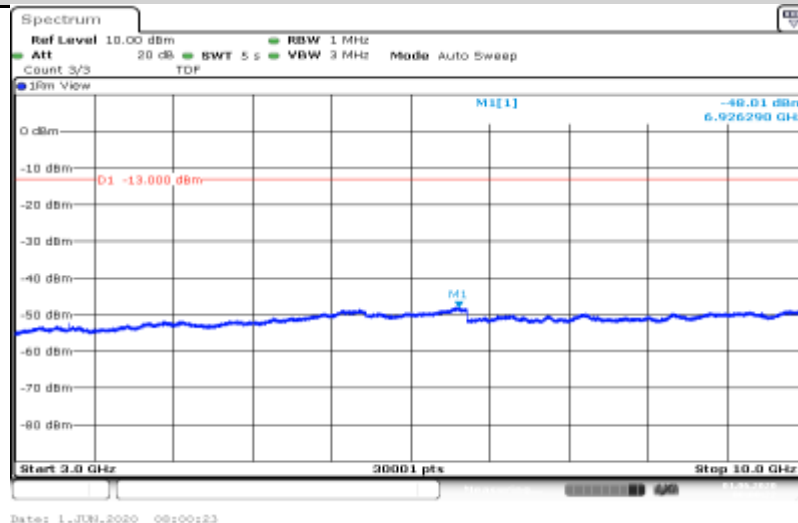
Band5-4132-0.15~30MHz-0.43



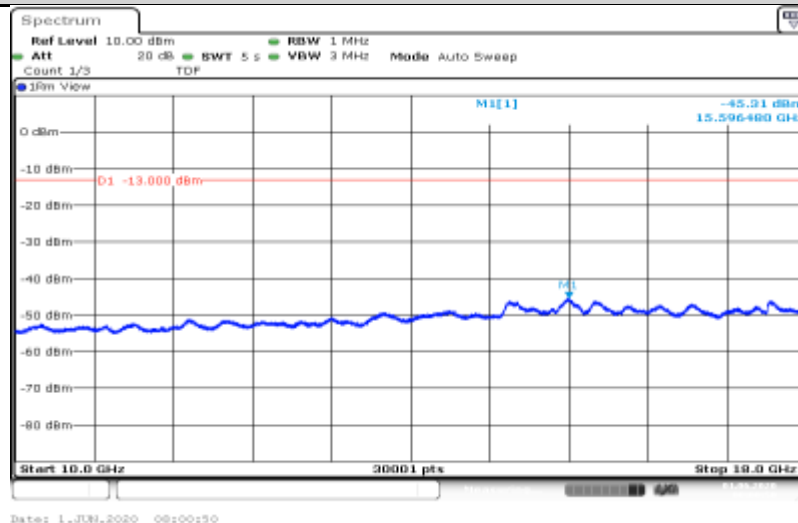
Band5-4132-1000~1500MHz-1464.74



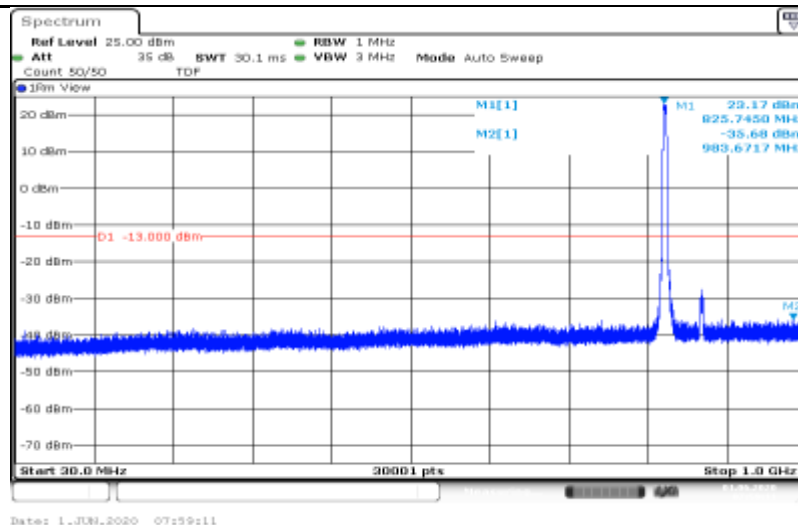
Band5-4132-3000~10000MHz-6926.29



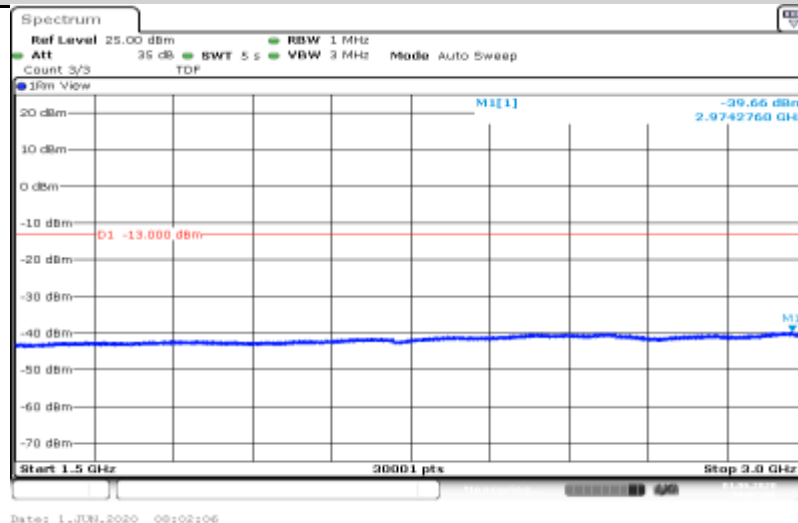
Band5-4132-10000~18000MHz-15596.48



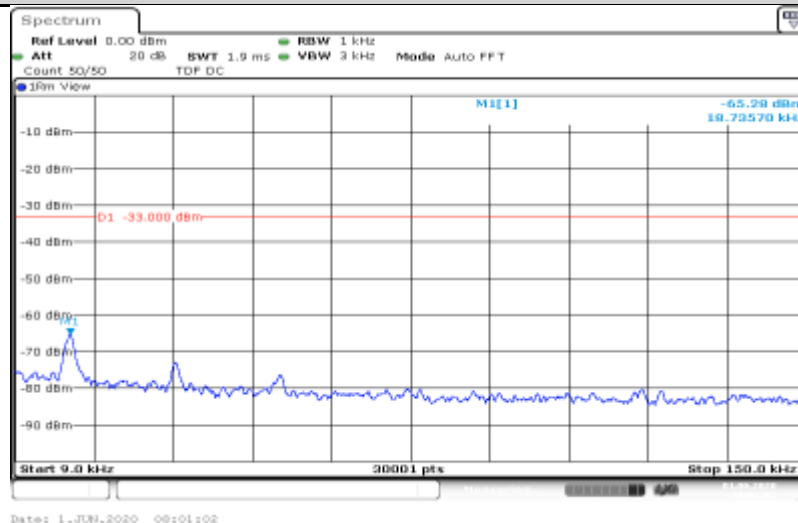
Band5-4132-30~1000MHz-983.67



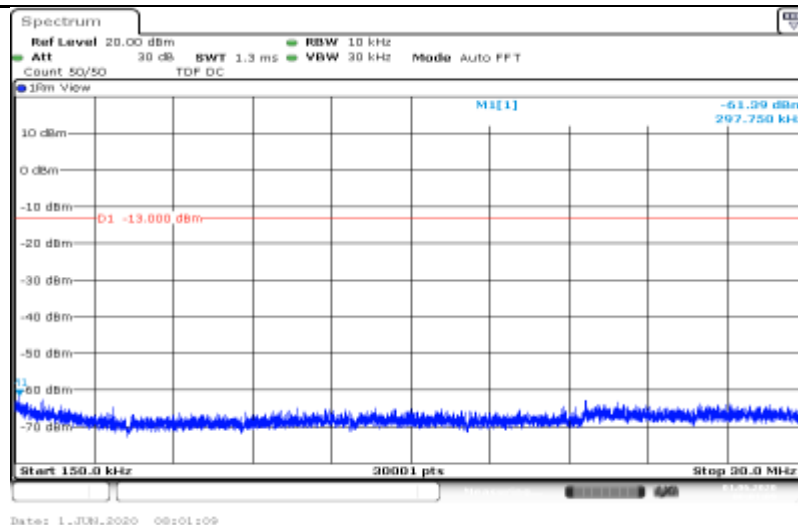
Band5-4182-1500~3000MHz-2974.28



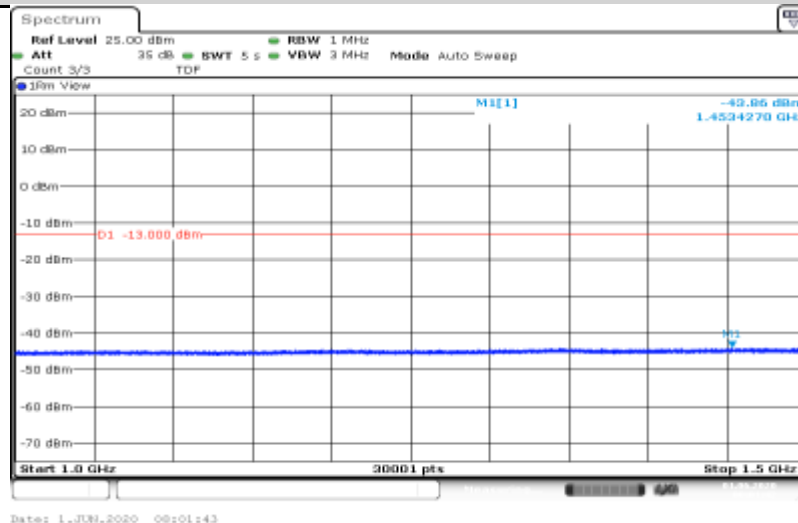
Band5-4182-0.009~0.15MHz-0.02



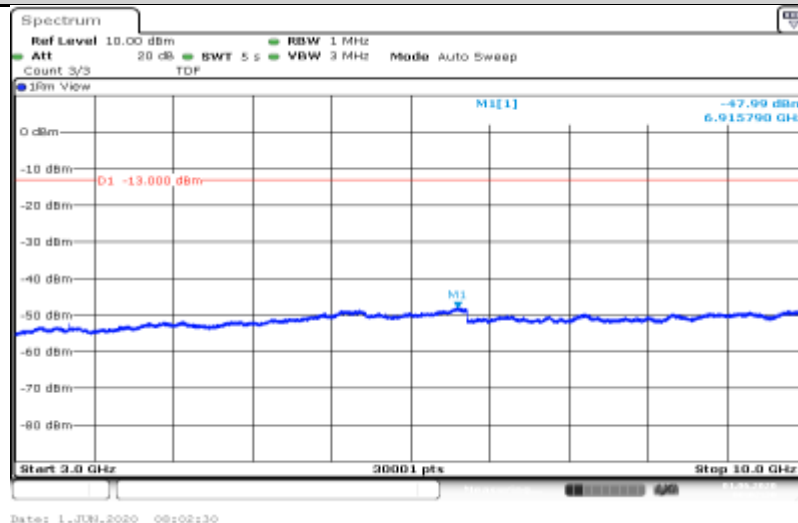
Band5-4182-0.15~30MHz-0.3



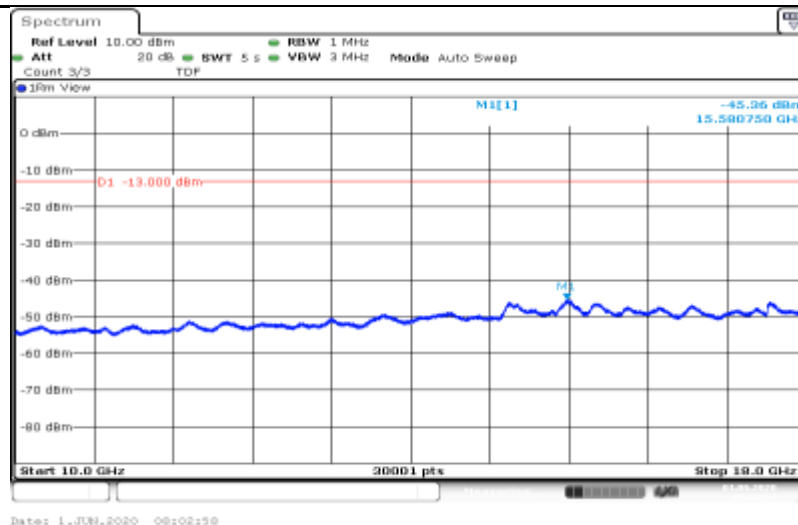
Band5-4182-1000~1500MHz-1453.43



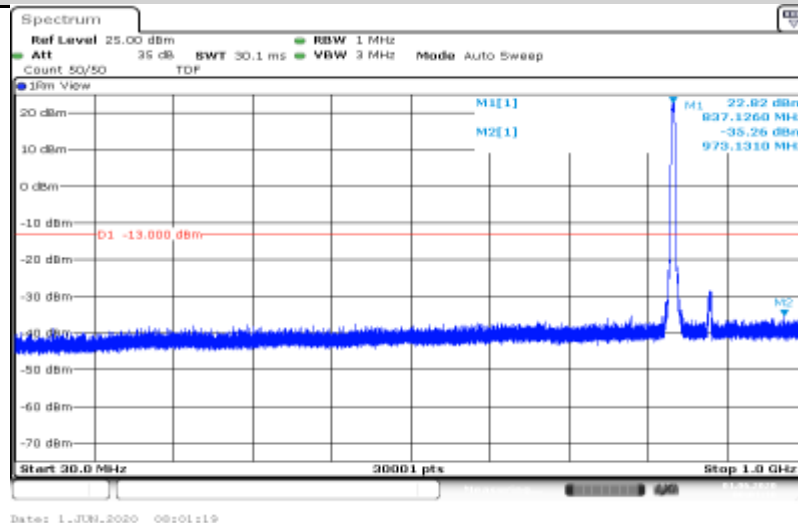
Band5-4182-3000~10000MHz-6915.79



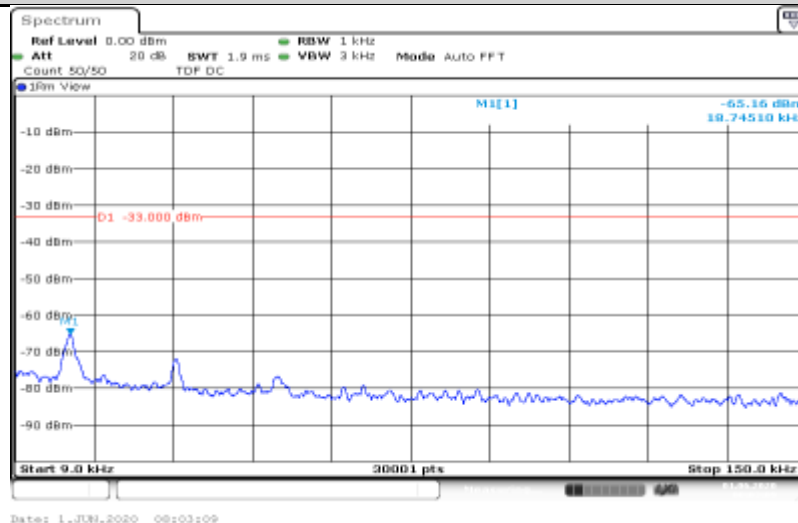
Band5-4182-10000~18000MHz-15580.75



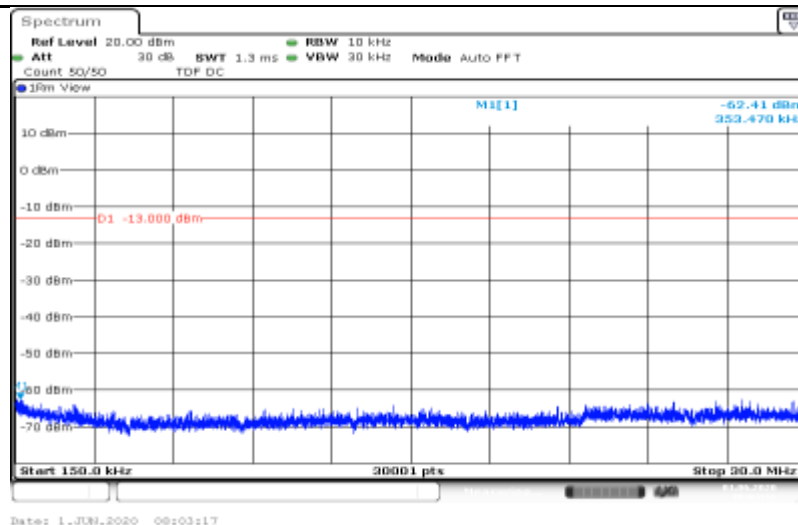
Band5-4182-30~1000MHz-973.13



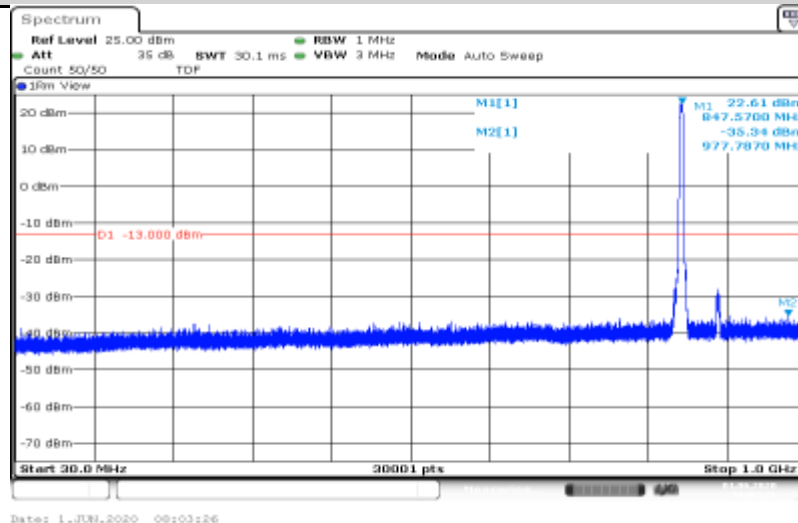
Band5-4233-0.009~0.15MHz-0.02



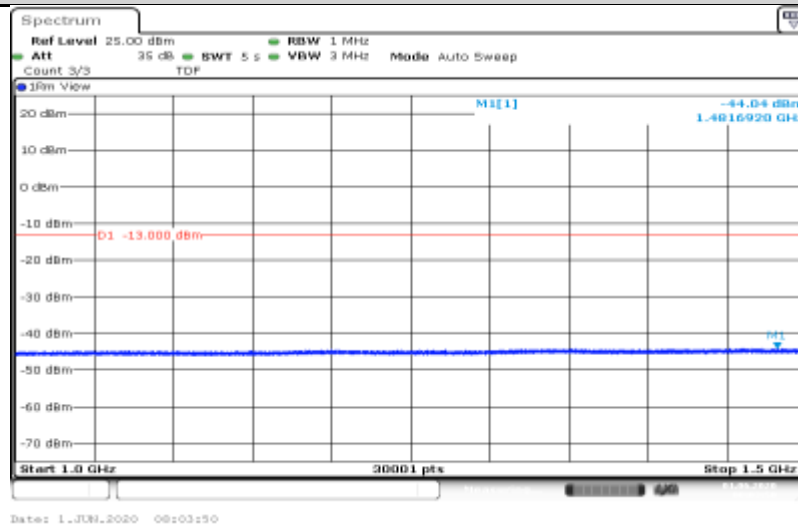
Band5-4233-0.15~30MHz-0.35



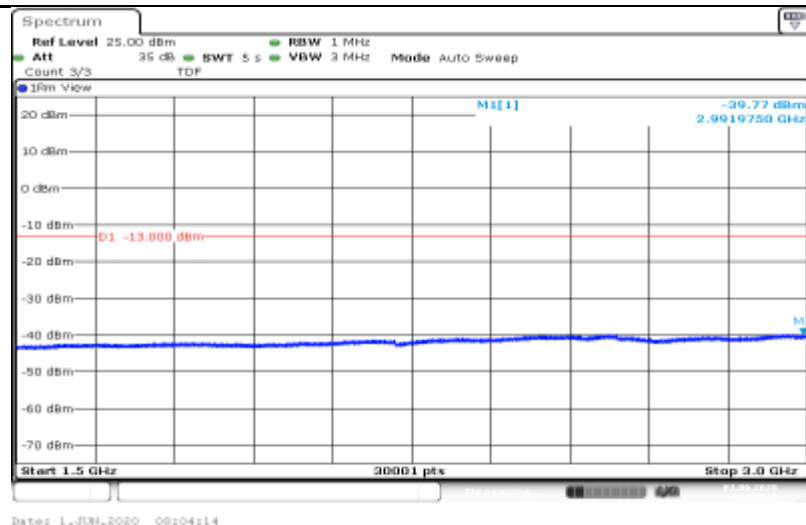
Band5-4233-30~1000MHz-977.79



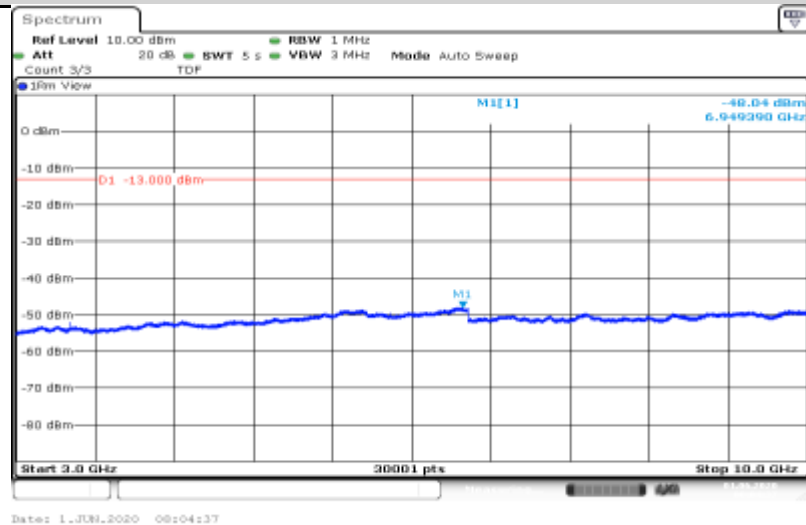
Band5-4233-1000~1500MHz-1481.69



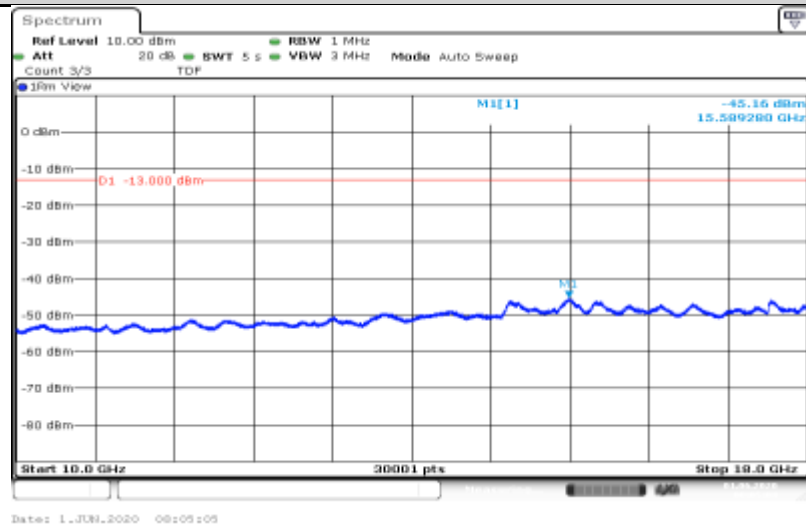
Band5-4233-1500~3000MHz-2991.98



Band5-4233-3000~10000MHz-6949.39



Band5-4233-10000~18000MHz-15589.28



1.6 Frequency Stability

1.6.1 Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	VL	NT	11.72	0.006327	±2.5	PASS
Band2	9262	VN	NT	11.55	0.006235	±2.5	PASS
Band2	9262	VH	NT	12.28	0.006629	±2.5	PASS
Band2	9400	VL	NT	12.02	0.006394	±2.5	PASS
Band2	9400	VN	NT	11.51	0.006122	±2.5	PASS
Band2	9400	VH	NT	11.70	0.006223	±2.5	PASS
Band2	9538	VL	NT	10.40	0.005452	±2.5	PASS
Band2	9538	VN	NT	10.64	0.005578	±2.5	PASS
Band2	9538	VH	NT	10.42	0.005462	±2.5	PASS
Band4	1312	VL	NT	7.25	0.004234	±2.5	PASS
Band4	1312	VN	NT	7.22	0.004216	±2.5	PASS
Band4	1312	VH	NT	7.47	0.004362	±2.5	PASS
Band4	1413	VL	NT	-12.01	-0.006932	±2.5	PASS
Band4	1413	VN	NT	-12.08	-0.006972	±2.5	PASS
Band4	1413	VH	NT	-12.17	-0.007024	±2.5	PASS
Band4	1513	VL	NT	-3.44	-0.001963	±2.5	PASS
Band4	1513	VN	NT	-3.58	-0.002043	±2.5	PASS
Band4	1513	VH	NT	-3.45	-0.001969	±2.5	PASS
Band5	4132	VL	NT	-0.76	-0.000920	±2.5	PASS
Band5	4132	VN	NT	-0.74	-0.000895	±2.5	PASS
Band5	4132	VH	NT	-0.82	-0.000992	±2.5	PASS
Band5	4182	VL	NT	-0.36	-0.000430	±2.5	PASS
Band5	4182	VN	NT	-0.30	-0.000359	±2.5	PASS
Band5	4182	VH	NT	-0.09	-0.000108	±2.5	PASS
Band5	4233	VL	NT	-0.30	-0.000354	±2.5	PASS
Band5	4233	VN	NT	-0.31	-0.000366	±2.5	PASS
Band5	4233	VH	NT	-0.41	-0.000484	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	9262	NV	-30	11.60	0.006262	±2.5	PASS
Band2	9262	NV	-20	11.78	0.006359	±2.5	PASS
Band2	9262	NV	0	12.02	0.006489	±2.5	PASS
Band2	9262	NV	10	11.79	0.006365	±2.5	PASS
Band2	9262	NV	20	12.25	0.006613	±2.5	PASS
Band2	9262	NV	30	11.77	0.006354	±2.5	PASS
Band2	9262	NV	40	11.93	0.006440	±2.5	PASS
Band2	9262	NV	50	12.08	0.006521	±2.5	PASS
Band2	9262	NV	55	12.29	0.006635	±2.5	PASS
Band2	9400	NV	-30	11.17	0.005941	±2.5	PASS
Band2	9400	NV	-20	11.83	0.006293	±2.5	PASS

Band2	9400	NV	0	11.71	0.006229	±2.5	PASS
Band2	9400	NV	10	11.41	0.006069	±2.5	PASS
Band2	9400	NV	20	11.64	0.006191	±2.5	PASS
Band2	9400	NV	30	11.66	0.006202	±2.5	PASS
Band2	9400	NV	40	11.68	0.006213	±2.5	PASS
Band2	9400	NV	50	11.87	0.006314	±2.5	PASS
Band2	9400	NV	55	11.65	0.006197	±2.5	PASS
Band2	9538	NV	-30	10.11	0.005300	±2.5	PASS
Band2	9538	NV	-20	10.18	0.005337	±2.5	PASS
Band2	9538	NV	0	10.78	0.005651	±2.5	PASS
Band2	9538	NV	10	10.27	0.005384	±2.5	PASS
Band2	9538	NV	20	10.23	0.005363	±2.5	PASS
Band2	9538	NV	30	9.72	0.005095	±2.5	PASS
Band2	9538	NV	40	10.58	0.005546	±2.5	PASS
Band2	9538	NV	50	10.61	0.005562	±2.5	PASS
Band2	9538	NV	55	10.38	0.005441	±2.5	PASS
Band4	1312	NV	-30	8.05	0.004701	±2.5	PASS
Band4	1312	NV	-20	8.45	0.004935	±2.5	PASS
Band4	1312	NV	0	8.73	0.005098	±2.5	PASS
Band4	1312	NV	10	8.66	0.005057	±2.5	PASS
Band4	1312	NV	20	9.01	0.005262	±2.5	PASS
Band4	1312	NV	30	9.26	0.005408	±2.5	PASS
Band4	1312	NV	40	9.52	0.005559	±2.5	PASS
Band4	1312	NV	50	9.50	0.005548	±2.5	PASS
Band4	1312	NV	55	9.72	0.005676	±2.5	PASS
Band4	1413	NV	-30	-12.30	-0.007099	±2.5	PASS
Band4	1413	NV	-20	-11.95	-0.006897	±2.5	PASS
Band4	1413	NV	0	-12.21	-0.007047	±2.5	PASS
Band4	1413	NV	10	-12.14	-0.007007	±2.5	PASS
Band4	1413	NV	20	-12.15	-0.007013	±2.5	PASS
Band4	1413	NV	30	-12.46	-0.007192	±2.5	PASS
Band4	1413	NV	40	-11.98	-0.006914	±2.5	PASS
Band4	1413	NV	50	-12.09	-0.006978	±2.5	PASS
Band4	1413	NV	55	-12.42	-0.007168	±2.5	PASS
Band4	1513	NV	-30	-3.57	-0.002037	±2.5	PASS
Band4	1513	NV	-20	-3.65	-0.002083	±2.5	PASS
Band4	1513	NV	0	-3.79	-0.002163	±2.5	PASS
Band4	1513	NV	10	-3.70	-0.002111	±2.5	PASS
Band4	1513	NV	20	-3.90	-0.002225	±2.5	PASS
Band4	1513	NV	30	-3.90	-0.002225	±2.5	PASS
Band4	1513	NV	40	-3.71	-0.002117	±2.5	PASS
Band4	1513	NV	50	-3.69	-0.002105	±2.5	PASS
Band4	1513	NV	55	-4.17	-0.002379	±2.5	PASS
Band5	4132	NV	-30	-0.63	-0.000762	±2.5	PASS
Band5	4132	NV	-20	-0.73	-0.000883	±2.5	PASS
Band5	4132	NV	0	-0.38	-0.000460	±2.5	PASS
Band5	4132	NV	10	-0.57	-0.000690	±2.5	PASS
Band5	4132	NV	20	-0.82	-0.000992	±2.5	PASS
Band5	4132	NV	30	-0.77	-0.000932	±2.5	PASS
Band5	4132	NV	40	-0.44	-0.000532	±2.5	PASS

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Band5	4132	NV	50	-0.64	-0.000774	±2.5	PASS
Band5	4132	NV	55	-0.82	-0.000992	±2.5	PASS
Band5	4182	NV	-30	-0.31	-0.000371	±2.5	PASS
Band5	4182	NV	-20	-0.09	-0.000108	±2.5	PASS
Band5	4182	NV	0	-0.45	-0.000538	±2.5	PASS
Band5	4182	NV	10	-0.25	-0.000299	±2.5	PASS
Band5	4182	NV	20	-0.11	-0.000132	±2.5	PASS
Band5	4182	NV	30	-0.31	-0.000371	±2.5	PASS
Band5	4182	NV	40	-0.05	-0.000060	±2.5	PASS
Band5	4182	NV	50	-0.29	-0.000347	±2.5	PASS
Band5	4182	NV	55	-0.34	-0.000407	±2.5	PASS
Band5	4233	NV	-30	-0.04	-0.000047	±2.5	PASS
Band5	4233	NV	-20	-0.37	-0.000437	±2.5	PASS
Band5	4233	NV	0	-0.27	-0.000319	±2.5	PASS
Band5	4233	NV	10	-0.26	-0.000307	±2.5	PASS
Band5	4233	NV	20	-0.07	-0.000083	±2.5	PASS
Band5	4233	NV	30	-0.48	-0.000567	±2.5	PASS
Band5	4233	NV	40	-0.54	-0.000638	±2.5	PASS
Band5	4233	NV	50	-0.26	-0.000307	±2.5	PASS
Band5	4233	NV	55	-0.34	-0.000402	±2.5	PASS