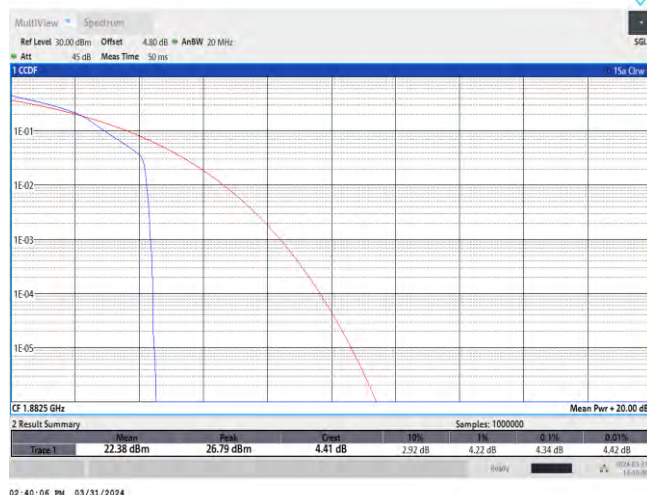


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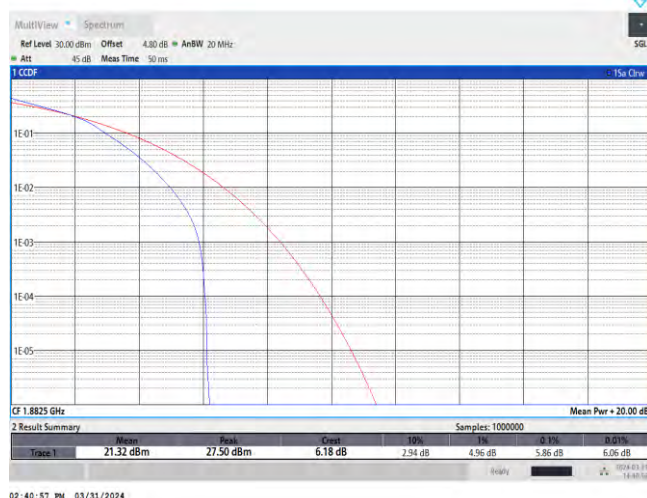
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Band25-15MHz-16QAM-26365-75RB#0



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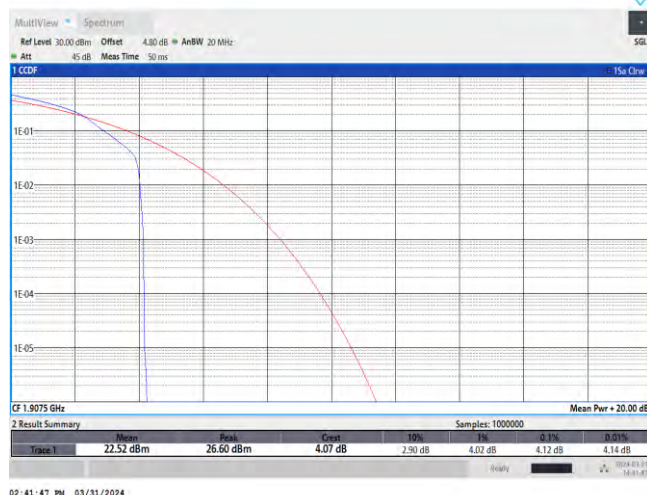
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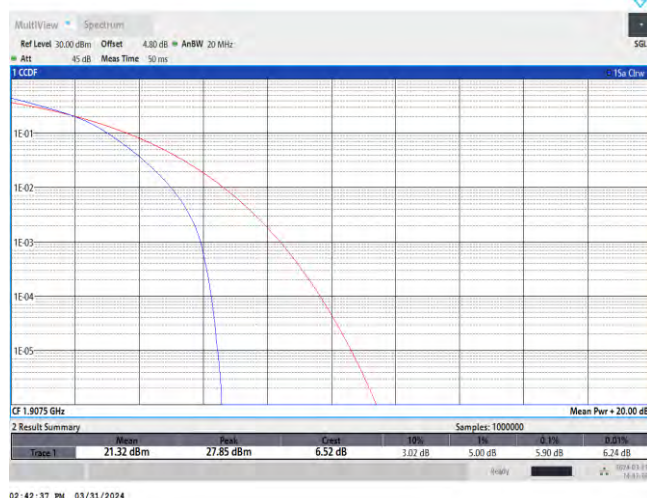
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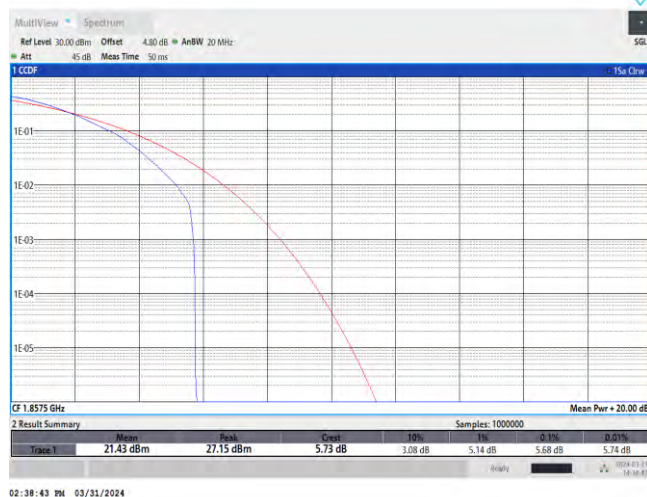
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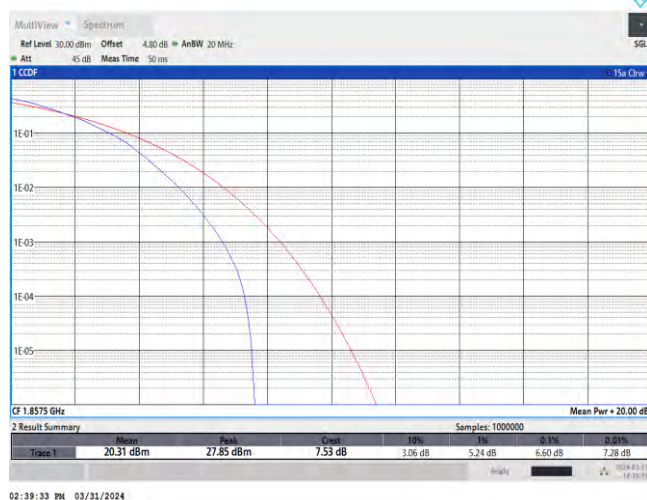
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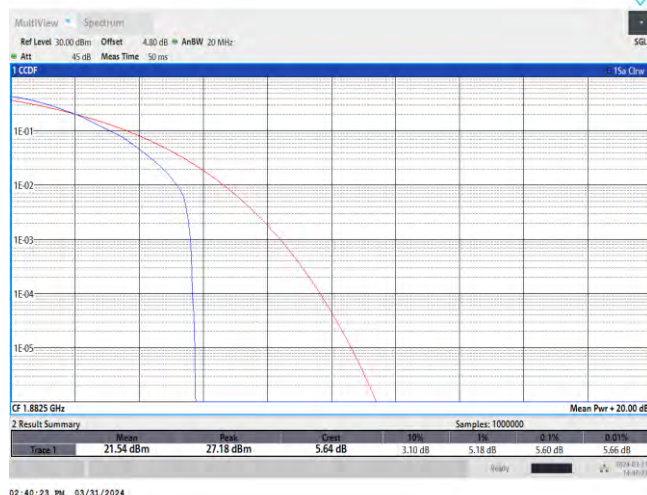
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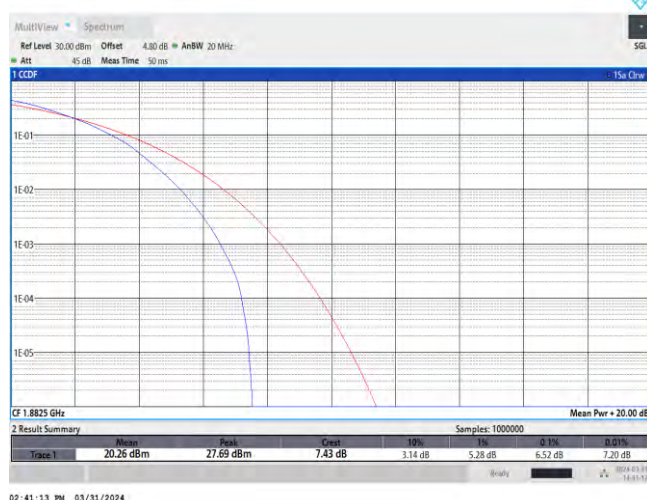
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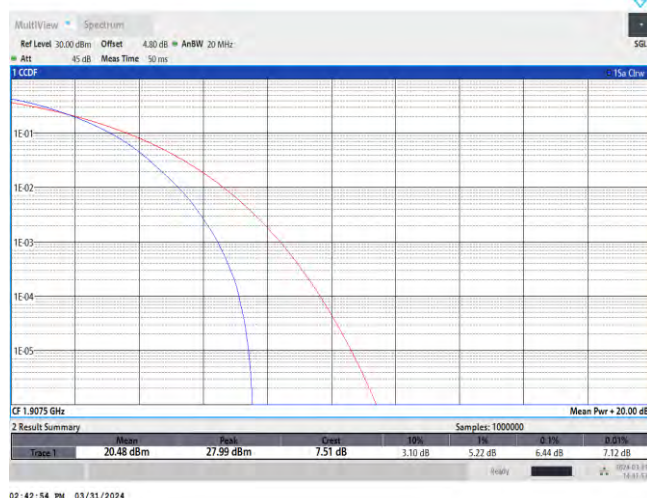
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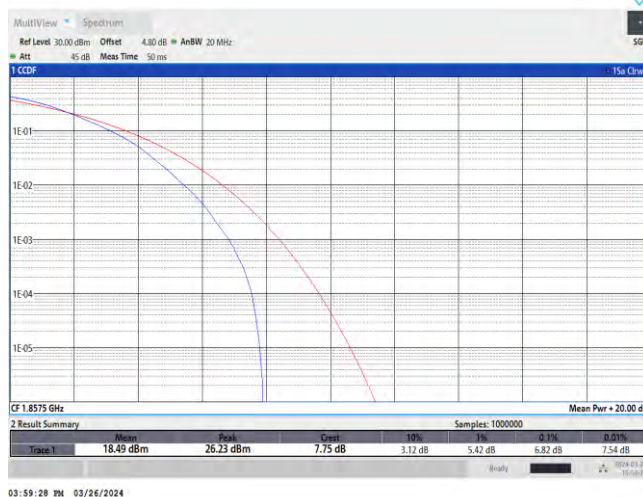
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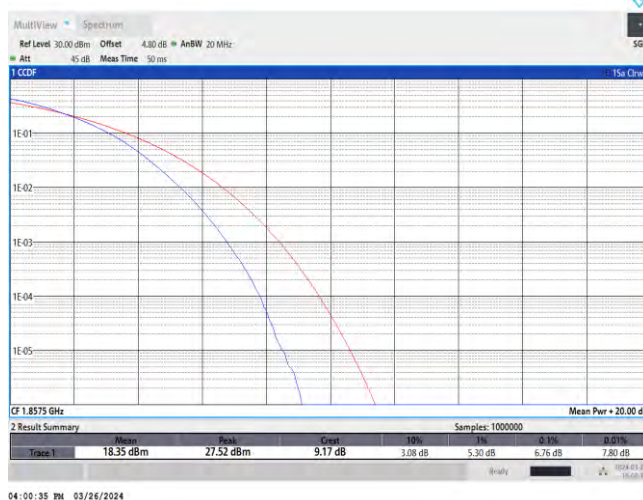
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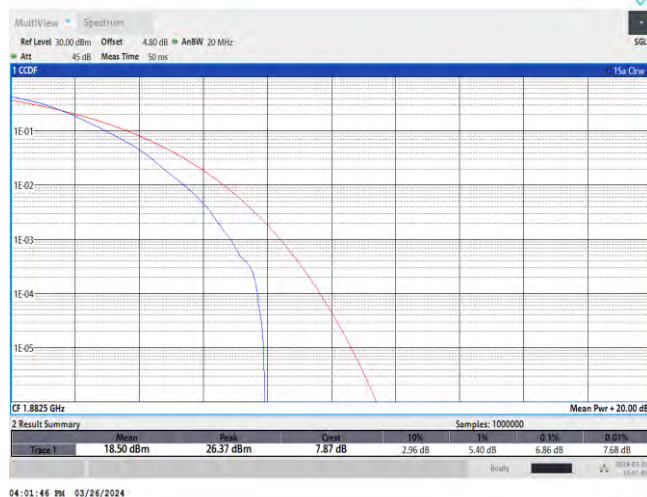
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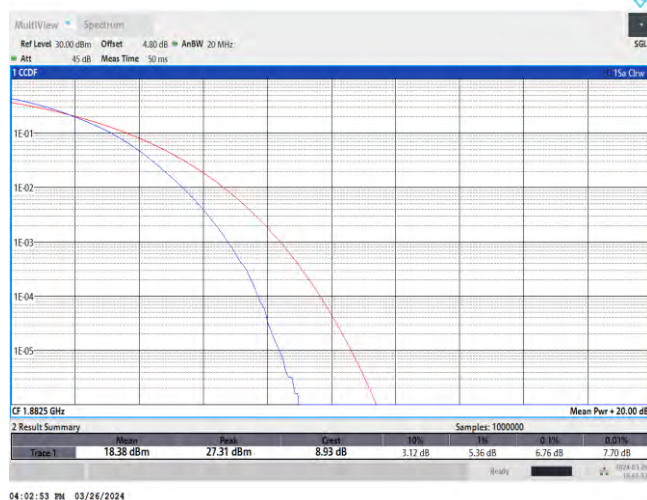
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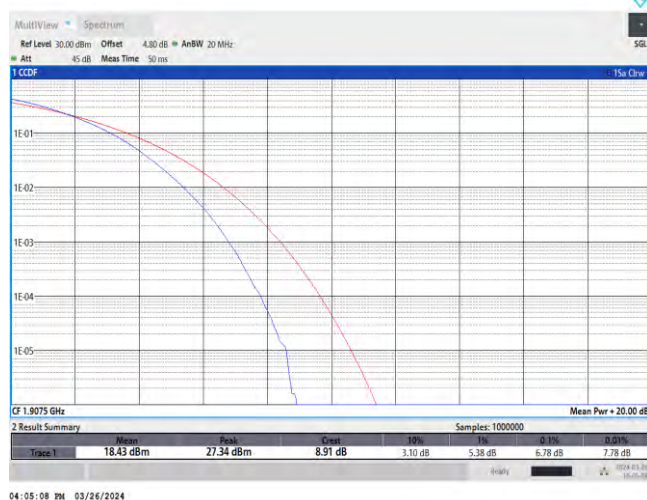
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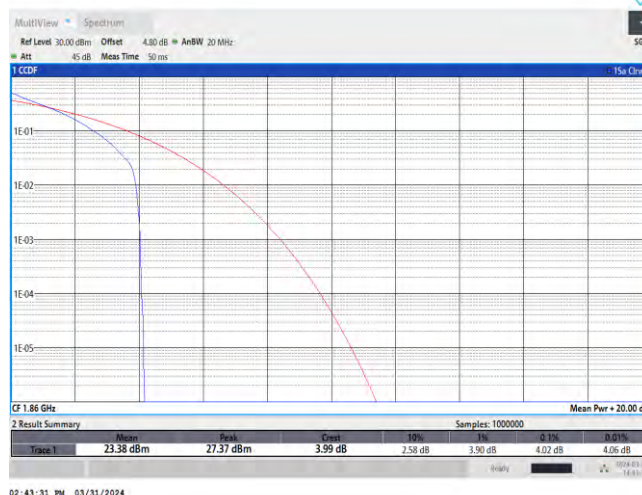
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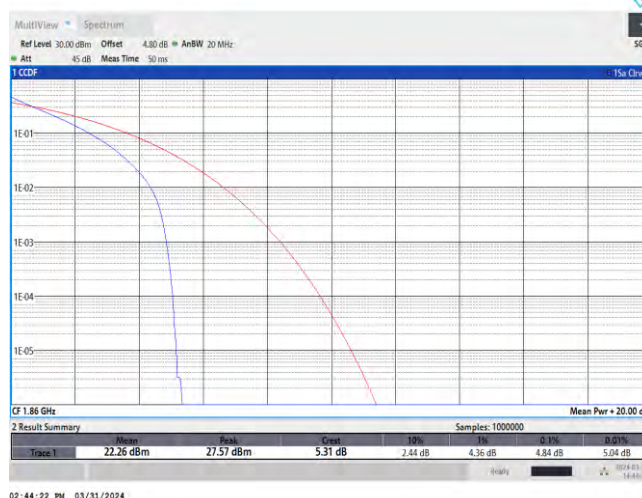
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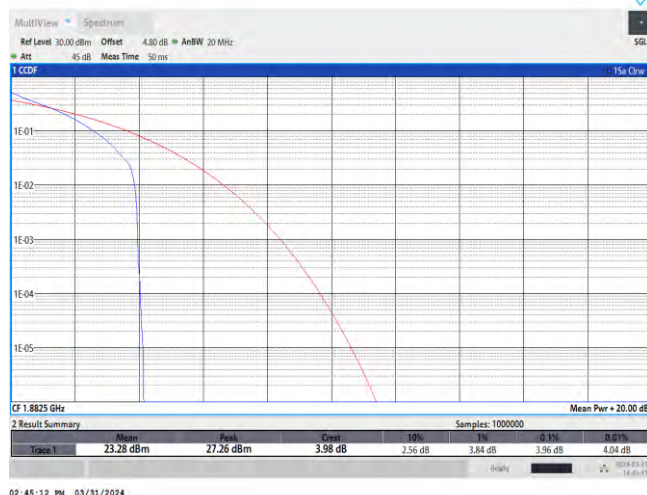
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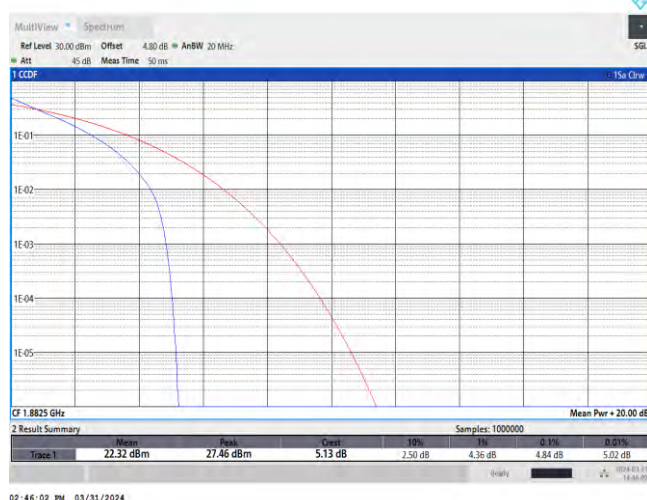
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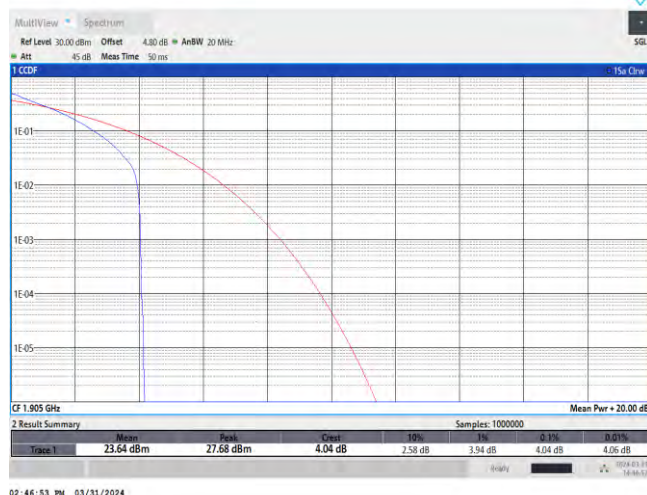
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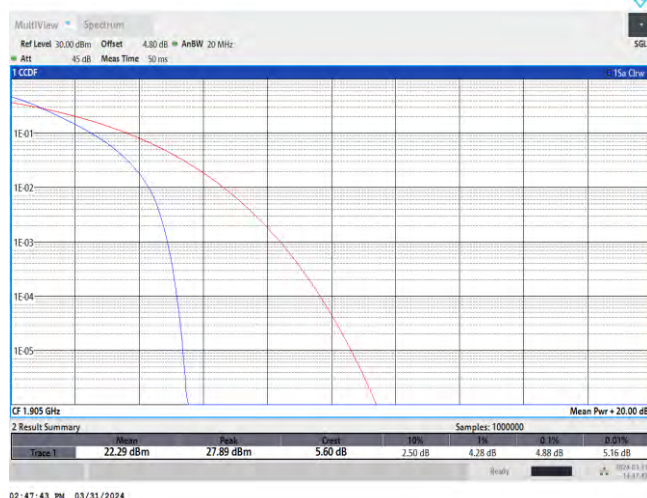
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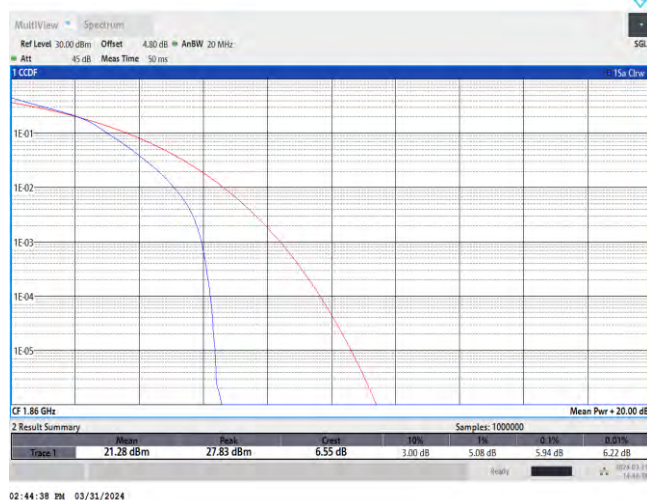
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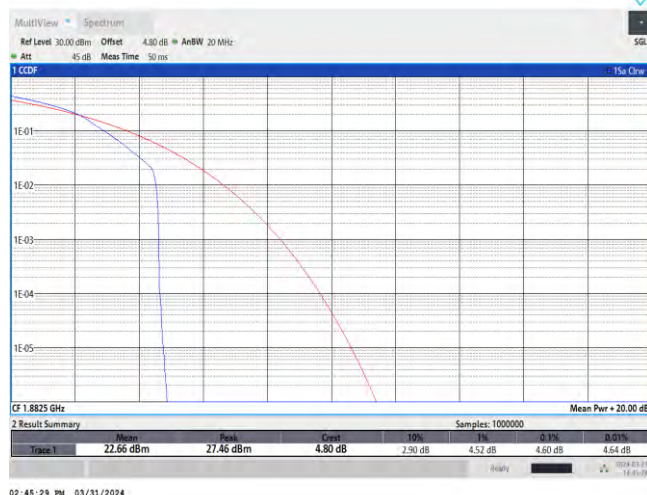
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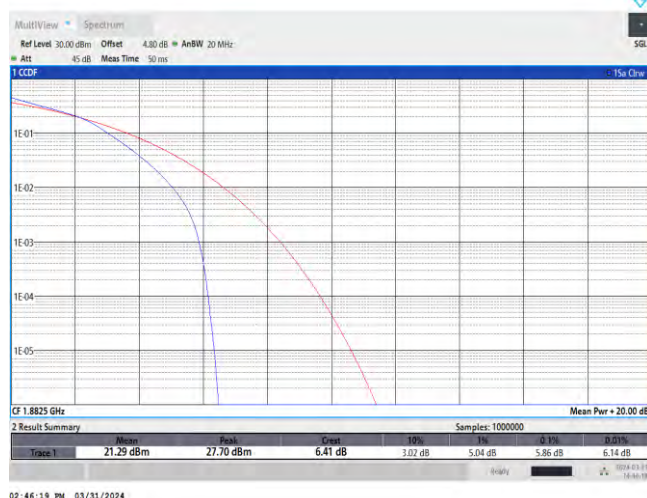
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Band25-20MHz-16QAM-26365-1RB#0



Band25-20MHz-16QAM-26365-100RB#0



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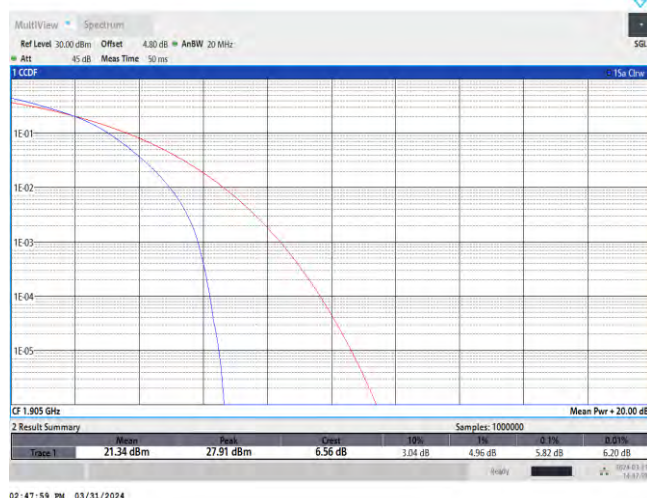
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Band25-20MHz-16QAM-26590-1RB#0



Band25-20MHz-16QAM-26590-100RB#0



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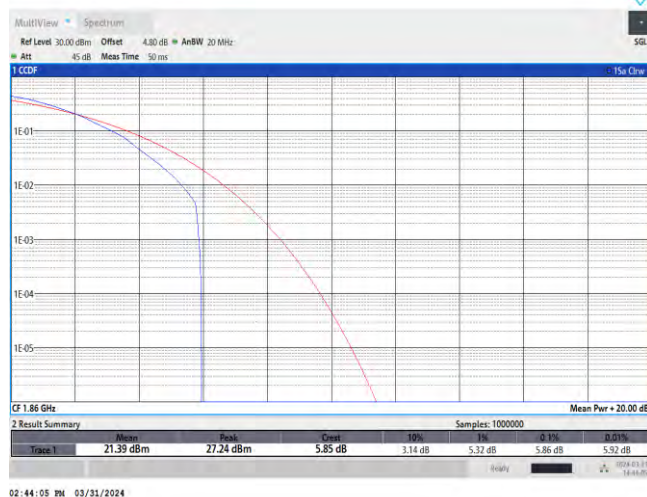
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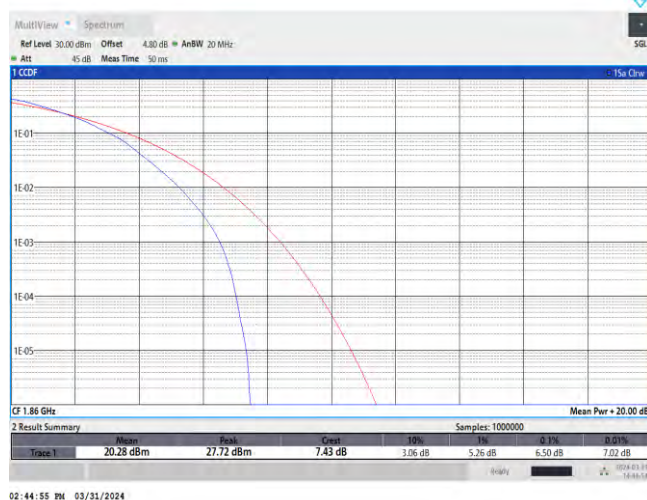
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Band25-20MHz-64QAM-26140-100RB#0



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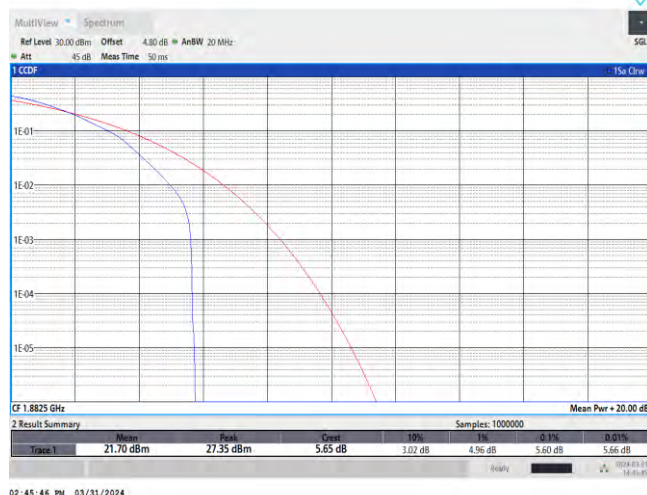
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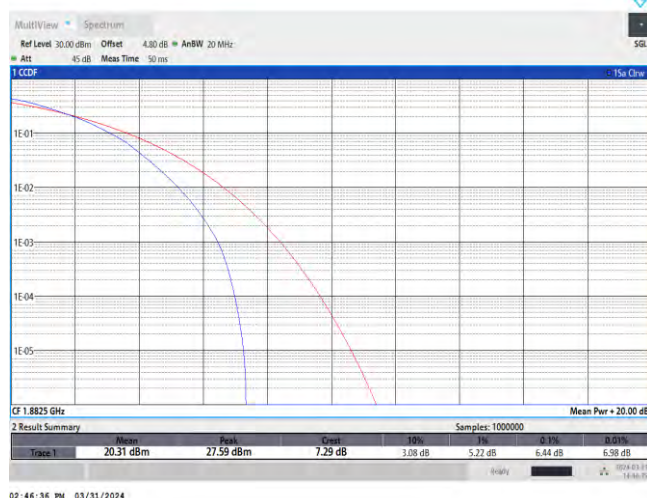
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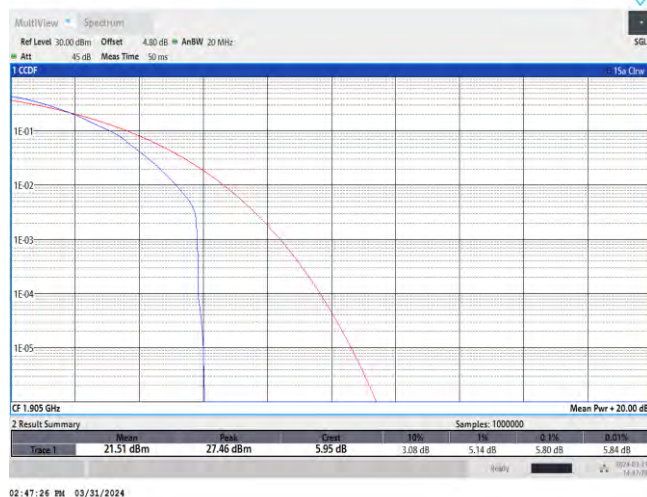
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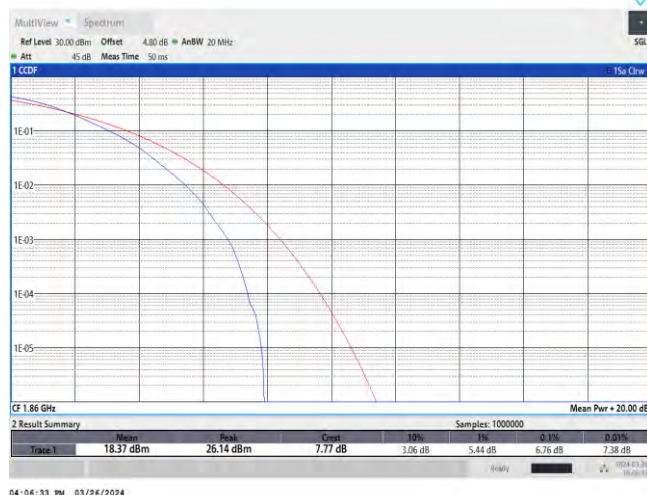
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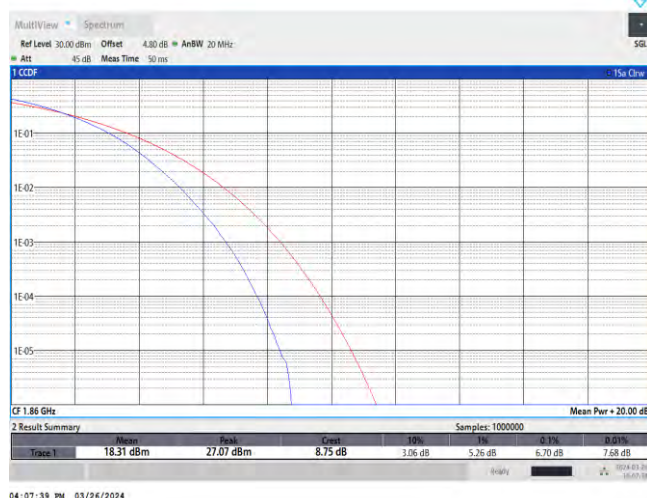
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Band25-20MHz-256QAM-26140-1RB#0



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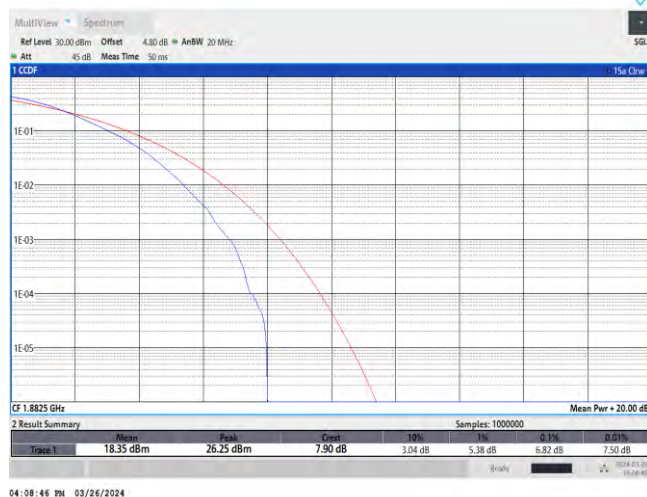
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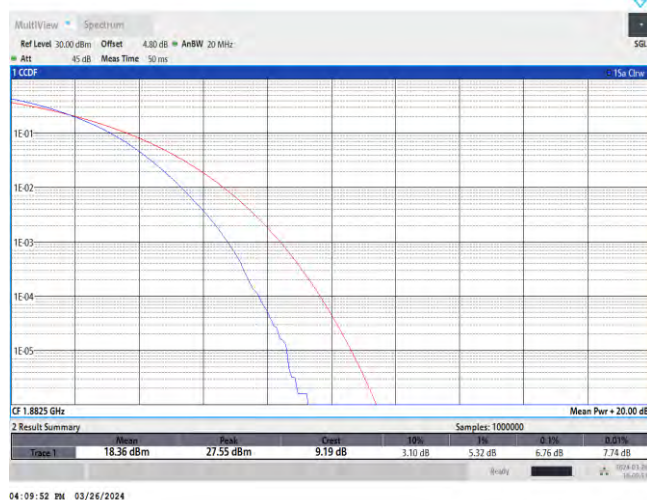
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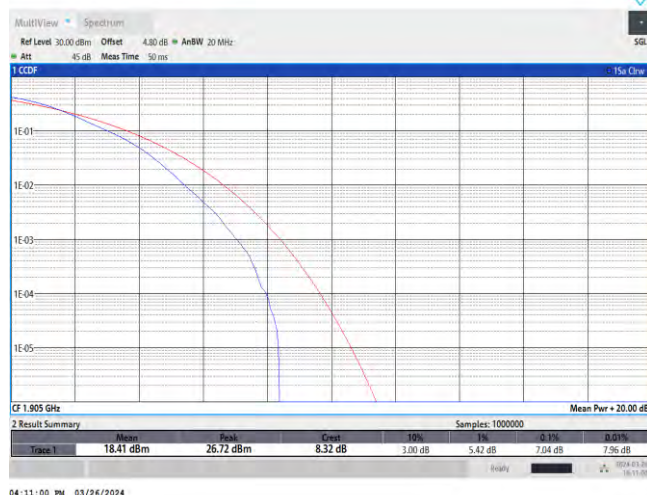
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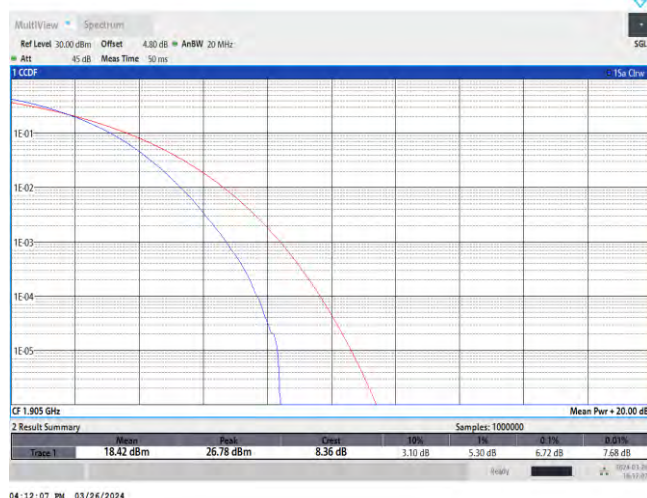
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Band25-20MHz-256QAM-26590-100RB#0



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band25	1.4MHz	QPSK	26365	6RB#0	1.104	1.38	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	1.106	1.43	PASS
Band25	1.4MHz	64QAM	26365	6RB#0	1.107	1.38	PASS
Band25	1.4MHz	256QAM	26365	6RB#0	1.107	1.39	PASS
Band25	3MHz	QPSK	26365	15RB#0	2.702	3.03	PASS
Band25	3MHz	16QAM	26365	15RB#0	2.697	3.05	PASS
Band25	3MHz	64QAM	26365	15RB#0	2.702	3.07	PASS
Band25	3MHz	256QAM	26365	15RB#0	2.699	3.05	PASS
Band25	5MHz	QPSK	26365	25RB#0	4.472	5.03	PASS
Band25	5MHz	16QAM	26365	25RB#0	4.473	5.05	PASS
Band25	5MHz	64QAM	26365	25RB#0	4.478	5.02	PASS
Band25	5MHz	256QAM	26365	25RB#0	4.473	5.04	PASS
Band25	10MHz	QPSK	26365	50RB#0	8.954	9.96	PASS
Band25	10MHz	16QAM	26365	50RB#0	8.945	9.82	PASS
Band25	10MHz	64QAM	26365	50RB#0	8.946	9.96	PASS
Band25	10MHz	256QAM	26365	50RB#0	8.937	9.88	PASS
Band25	15MHz	QPSK	26365	75RB#0	13.5	15.09	PASS
Band25	15MHz	16QAM	26365	75RB#0	13.474	15.12	PASS
Band25	15MHz	64QAM	26365	75RB#0	13.508	15.09	PASS
Band25	15MHz	256QAM	26365	75RB#0	13.494	15.15	PASS
Band25	20MHz	QPSK	26365	100RB#0	17.943	19.72	PASS
Band25	20MHz	16QAM	26365	100RB#0	17.902	19.72	PASS
Band25	20MHz	64QAM	26365	100RB#0	17.942	19.76	PASS
Band25	20MHz	256QAM	26365	100RB#0	17.913	19.76	PASS



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Test Graphs

Band25-1.4MHz-QPSK-26365-6RB#0



Band25-1.4MHz-16QAM-26365-6RB#0



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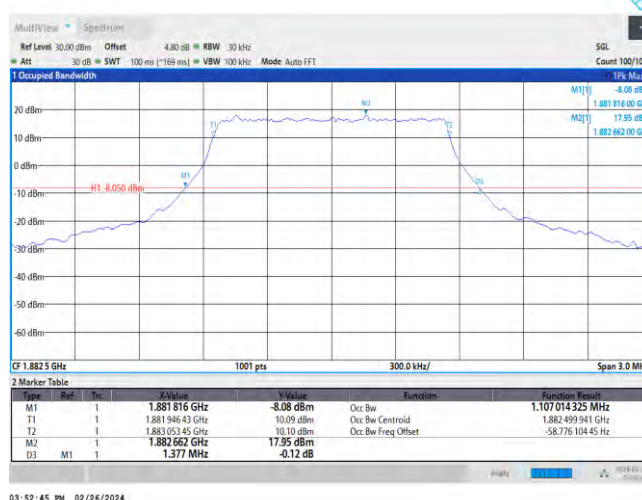
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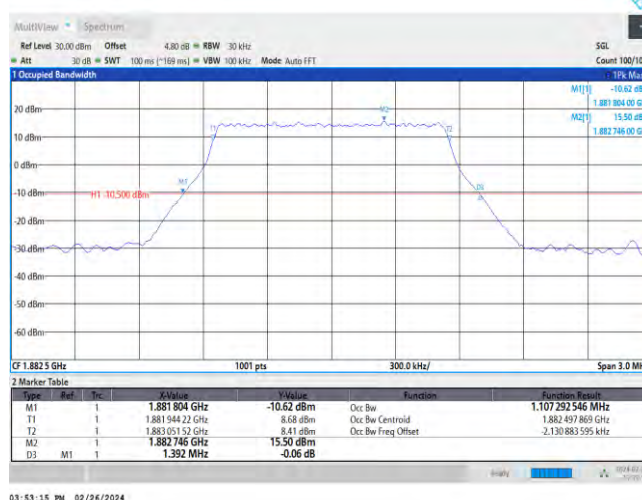
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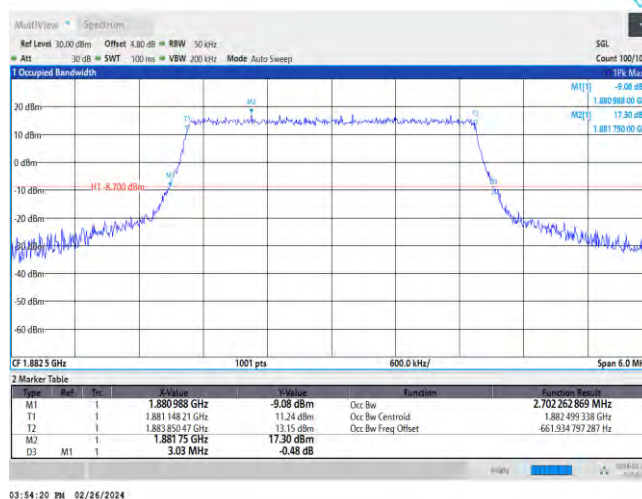
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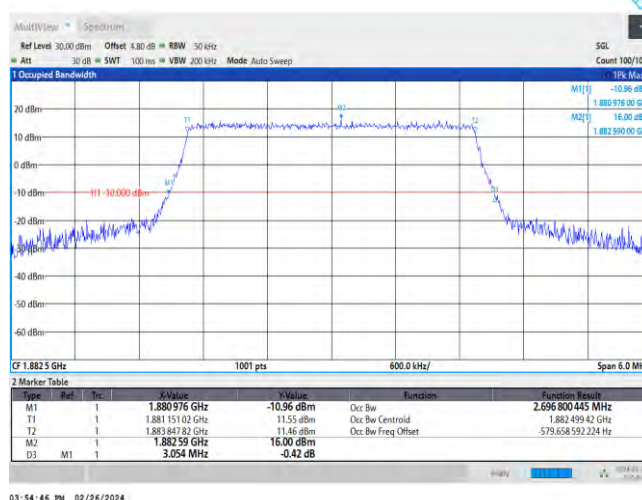
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Band25-3MHz-QPSK-26365-15RB#0



Band25-3MHz-16QAM-26365-15RB#0



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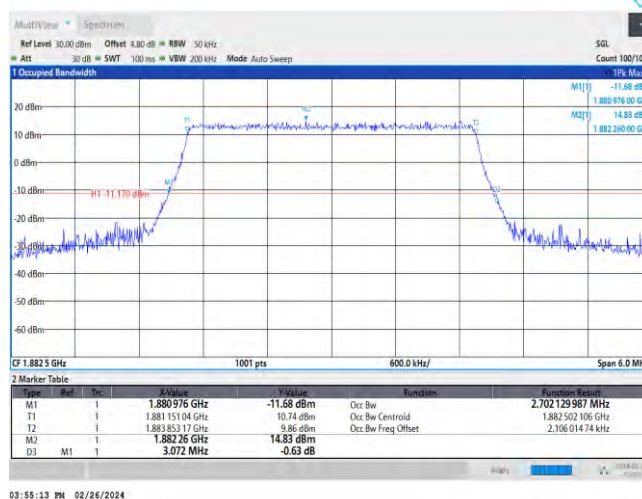
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Band25-3MHz-256QAM-26365-15RB#0



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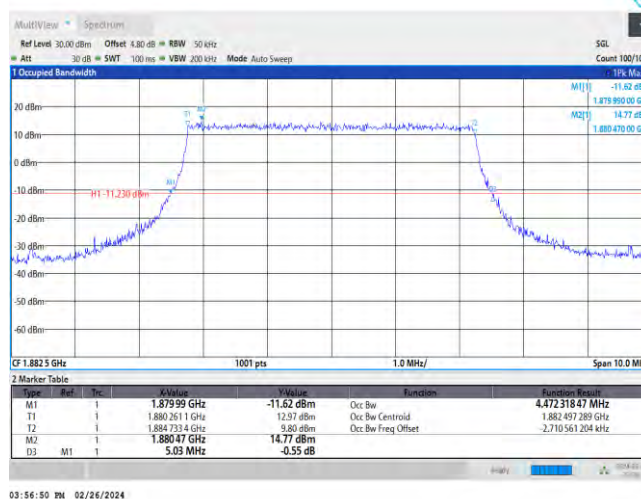
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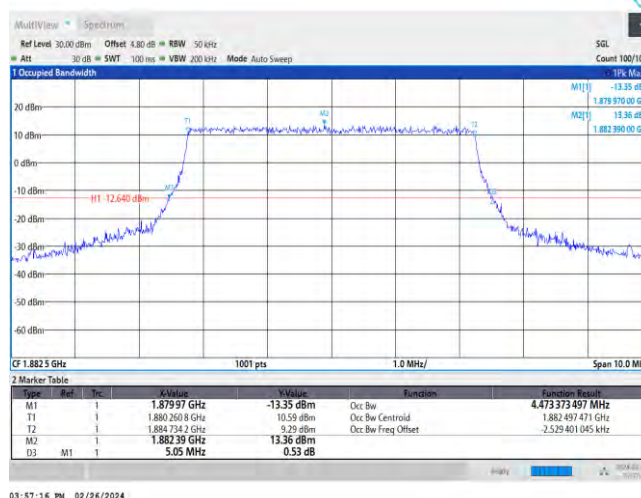
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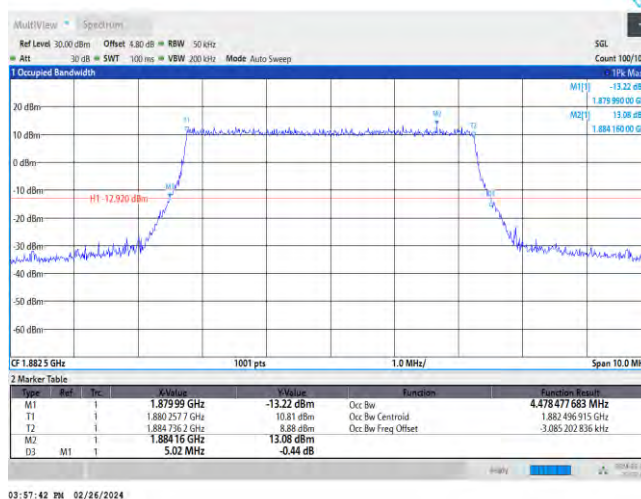
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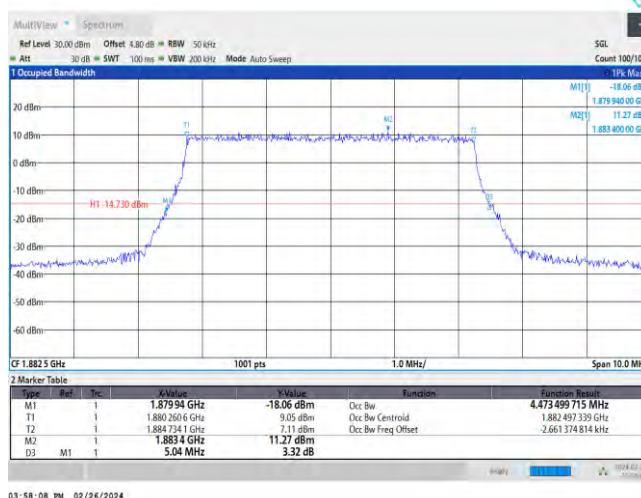
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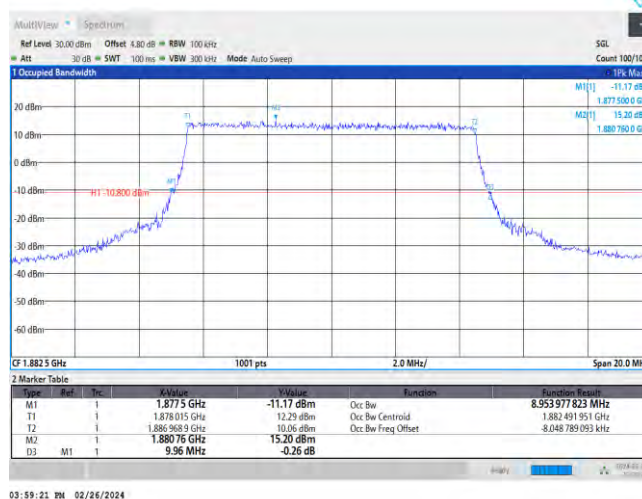
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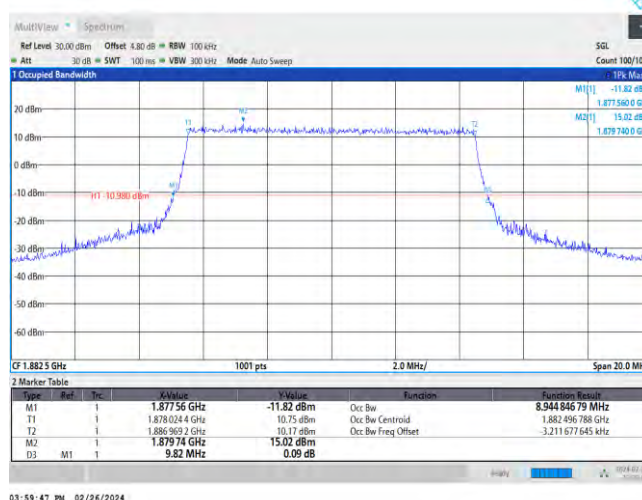
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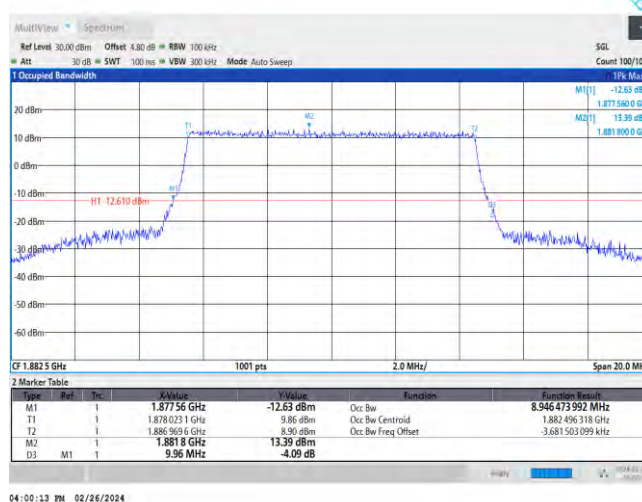
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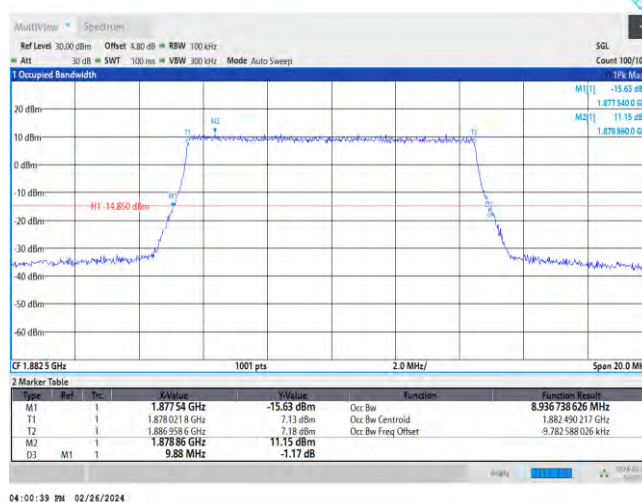
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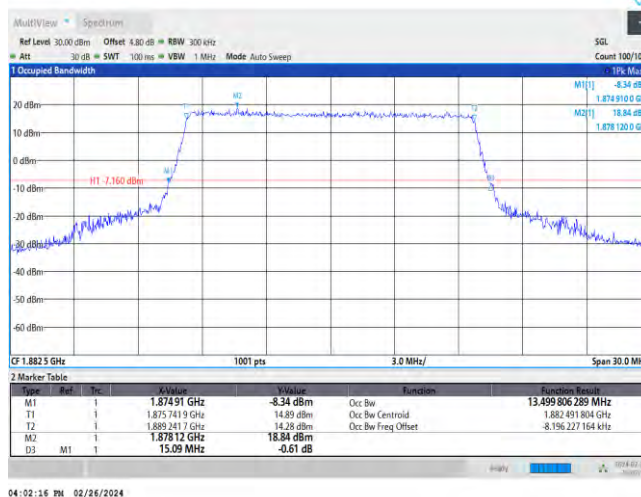
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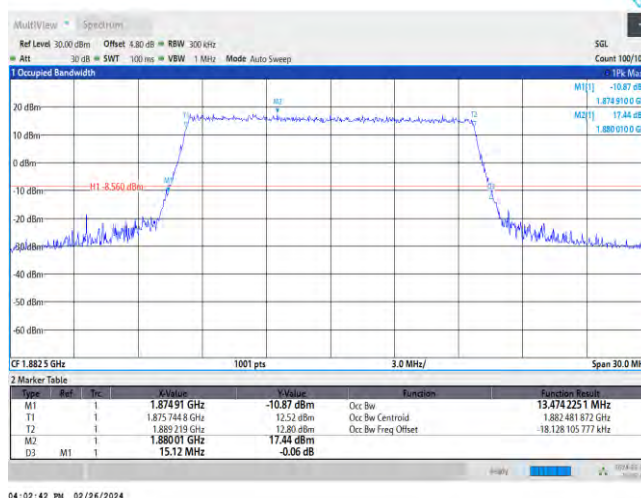
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Band25-15MHz-QPSK-26365-75RB#0



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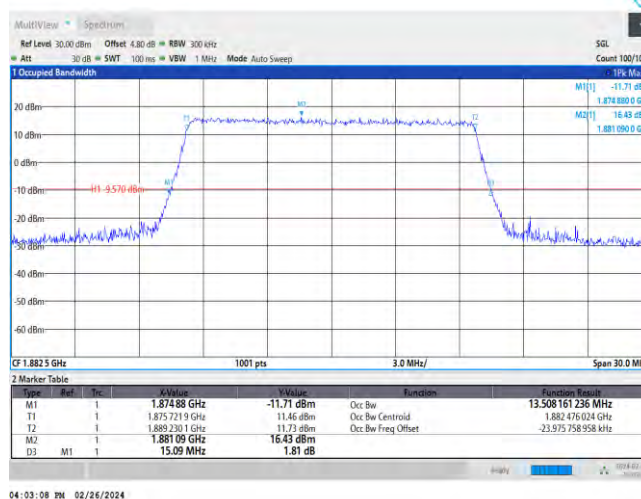
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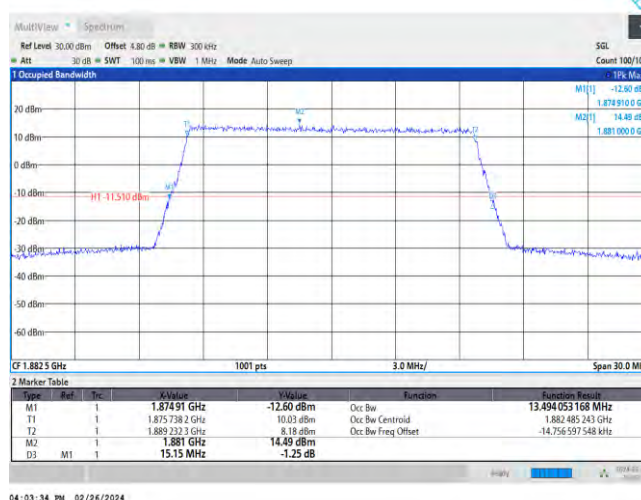
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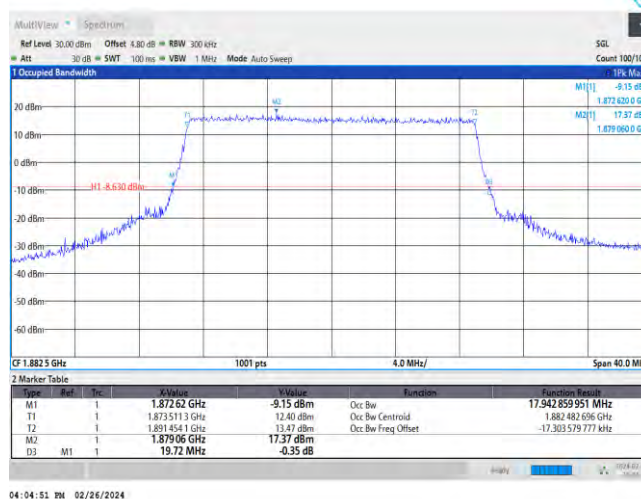
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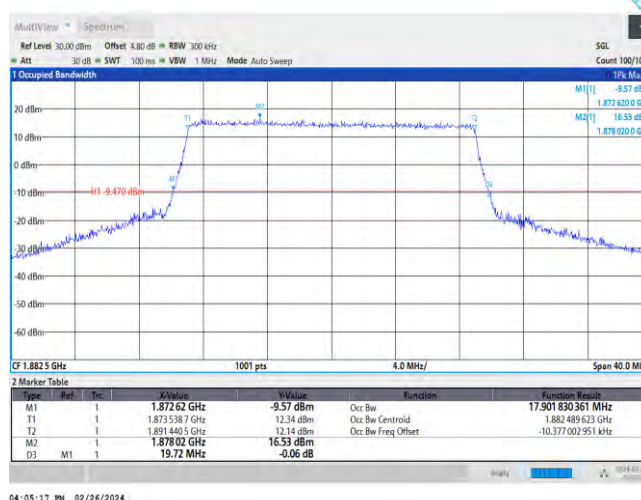
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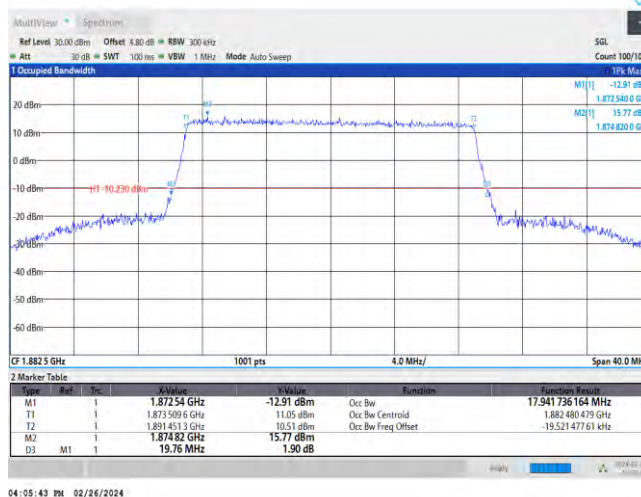
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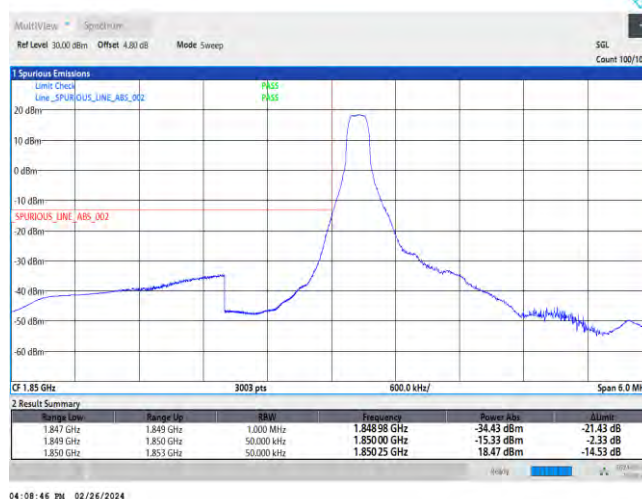
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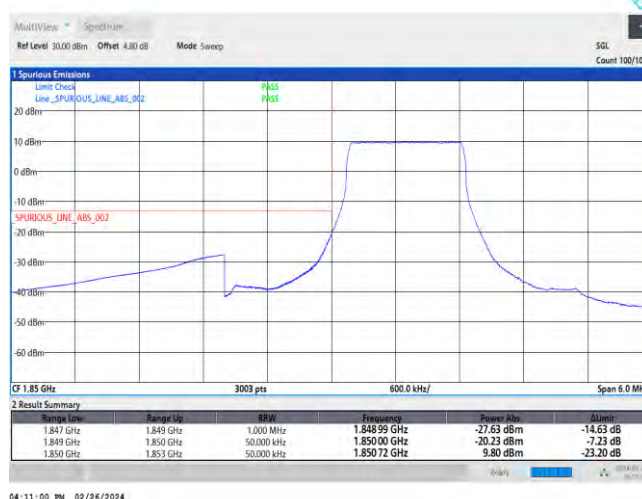
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Test Graphs

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Band25-1.4MHz-QPSK-26047-6RB#0



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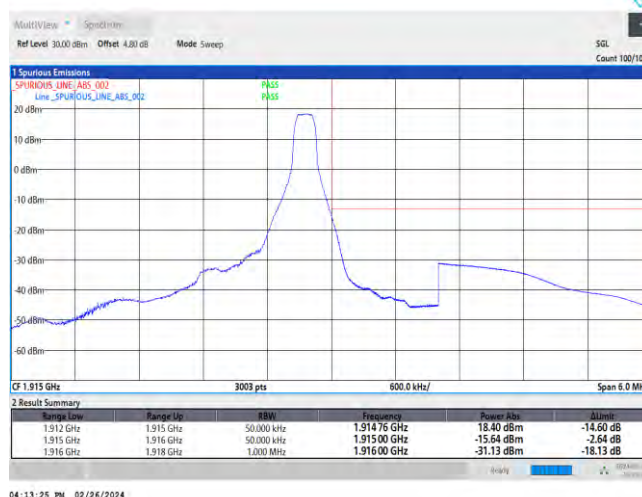
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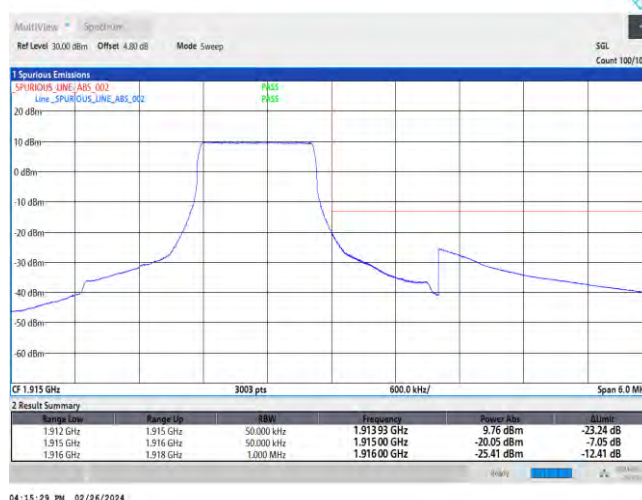
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Band25-1.4MHz-QPSK-26683-1RB#5



Band25-1.4MHz-QPSK-26683-6RB#0



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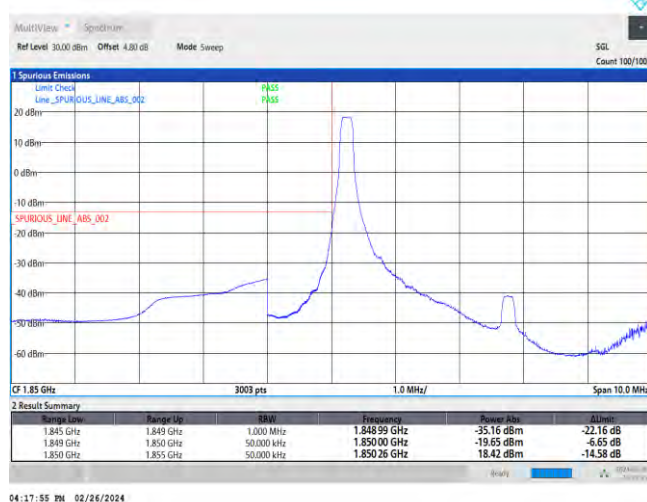
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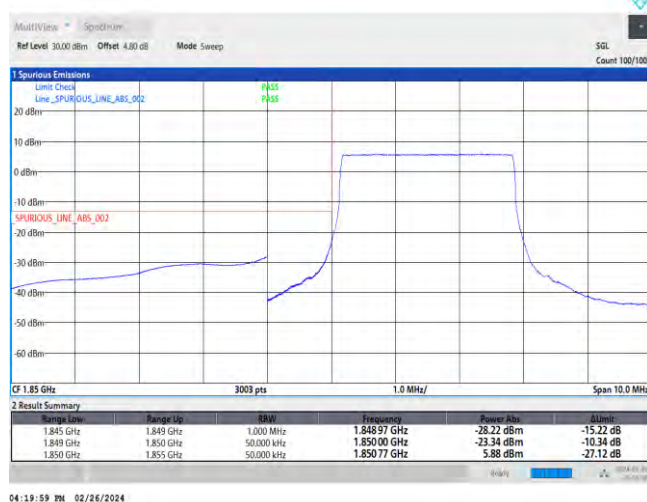
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Band25-3MHz-QPSK-26055-1RB#0



Band25-3MHz-QPSK-26055-15RB#0



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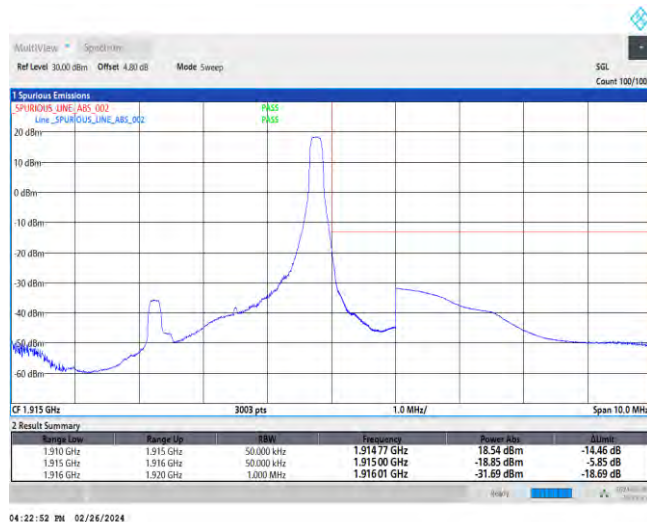
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Band25-3MHz-QPSK-26675-1RB#14



Band25-3MHz-QPSK-26675-15RB#0



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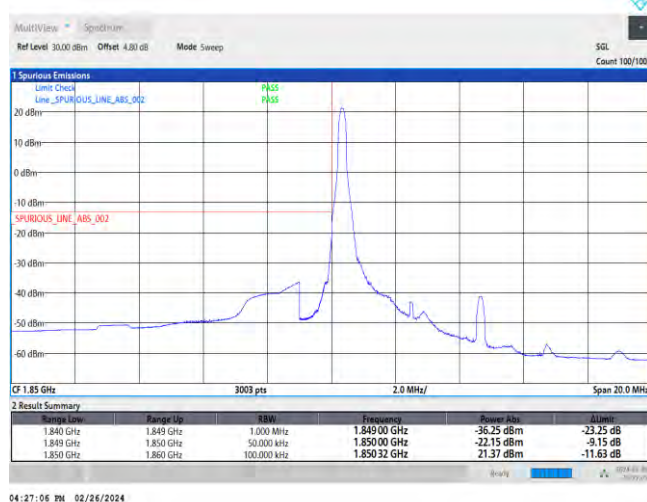
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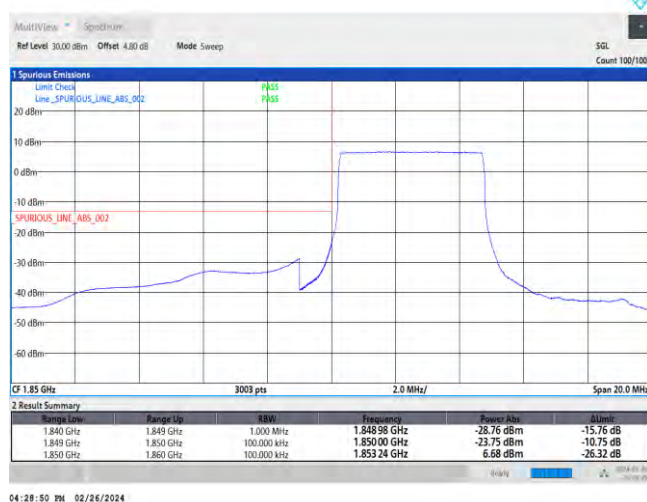
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Band25-5MHz-QPSK-26065-1RB#0



Band25-5MHz-QPSK-26065-25RB#0



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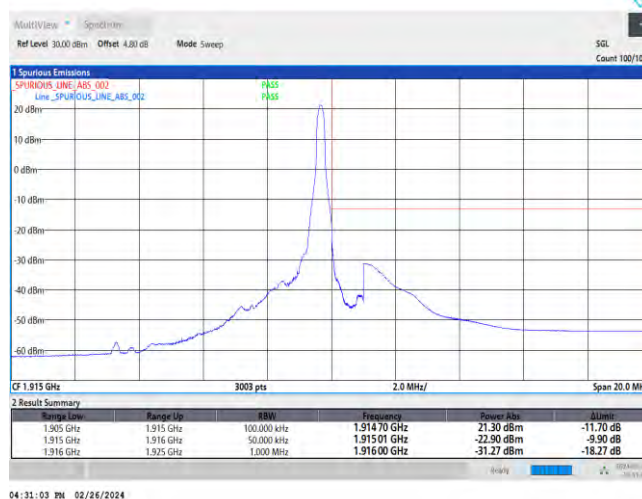
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Band25-5MHz-QPSK-26665-1RB#24



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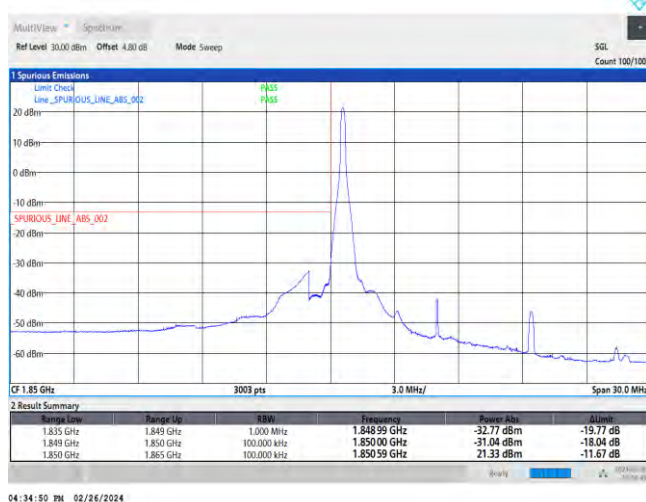
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Band25-10MHz-QPSK-26090-1RB#0



Band25-10MHz-QPSK-26090-50RB#0



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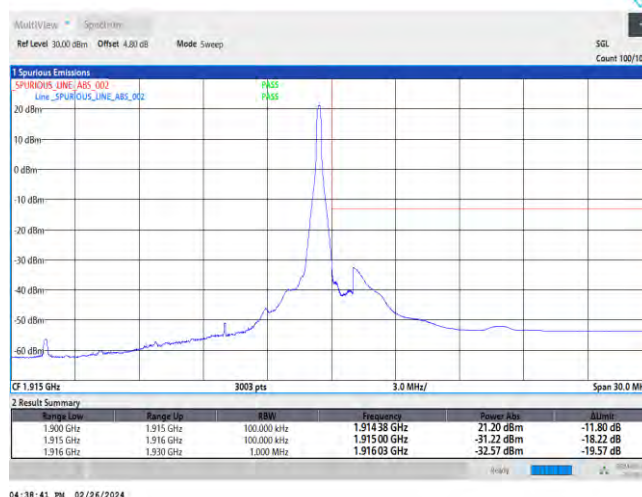
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Band25-10MHz-QPSK-26640-1RB#49



Band25-10MHz-QPSK-26640-50RB#0



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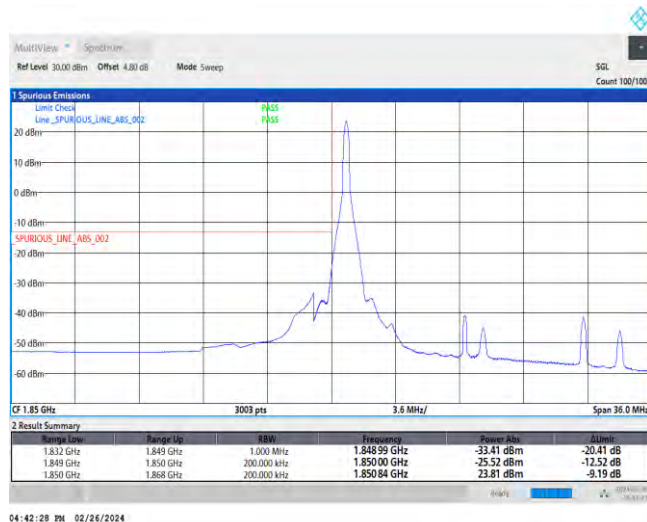
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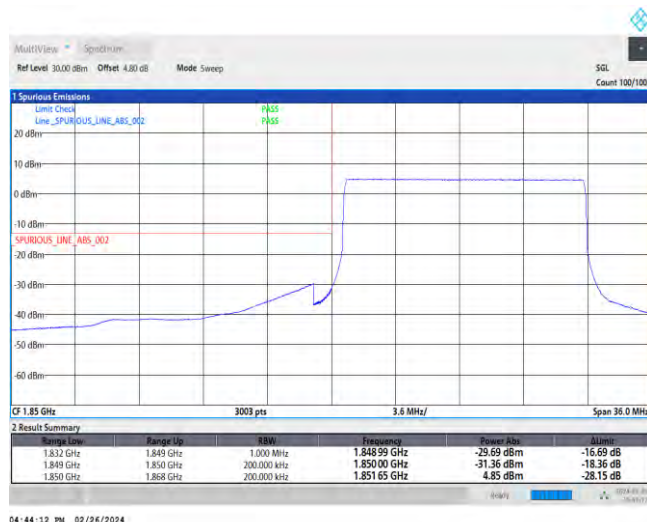
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Band25-15MHz-QPSK-26115-1RB#0



Band25-15MHz-QPSK-26115-75RB#0



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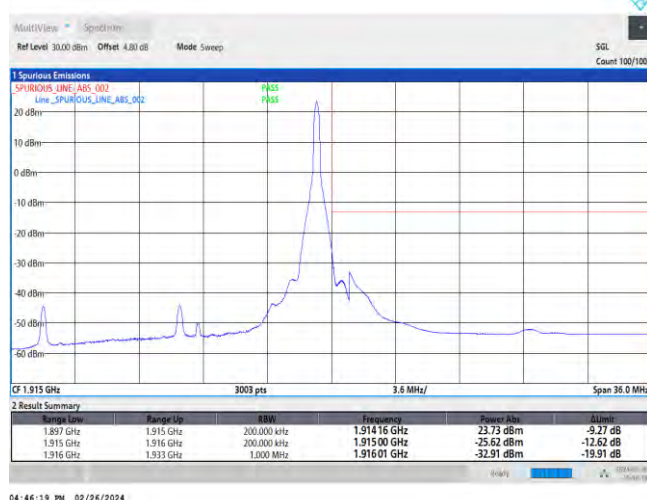
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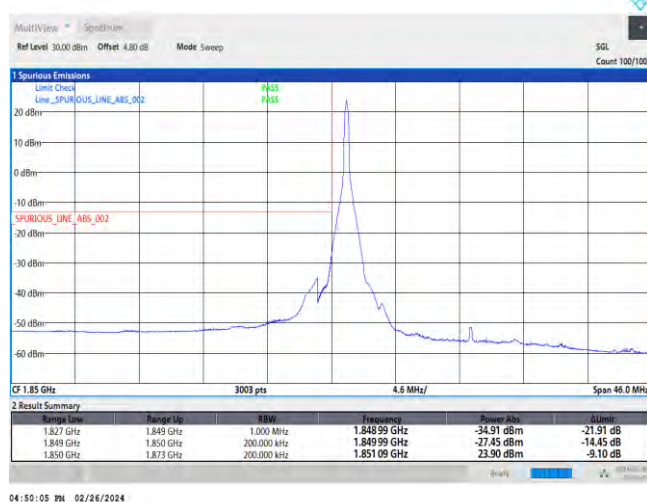
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Band25-20MHz-QPSK-26140-1RB#0



Band25-20MHz-QPSK-26140-100RB#0



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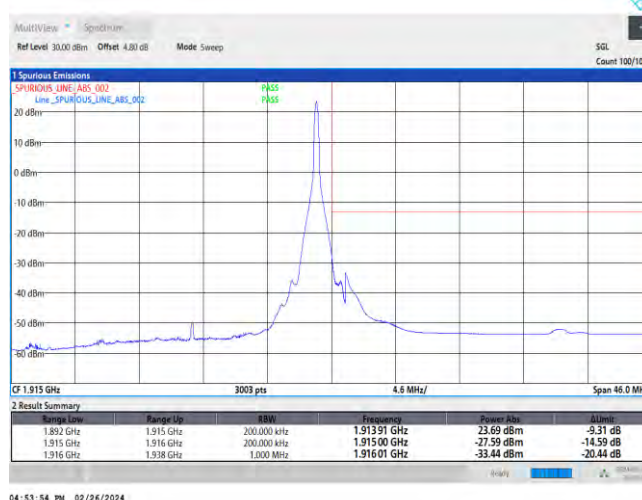
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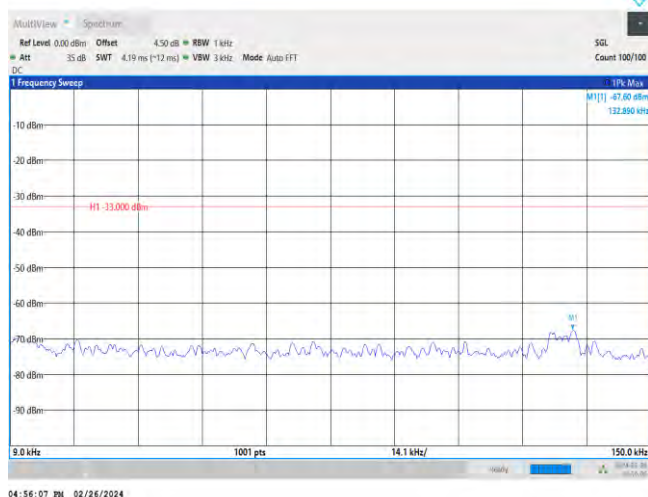
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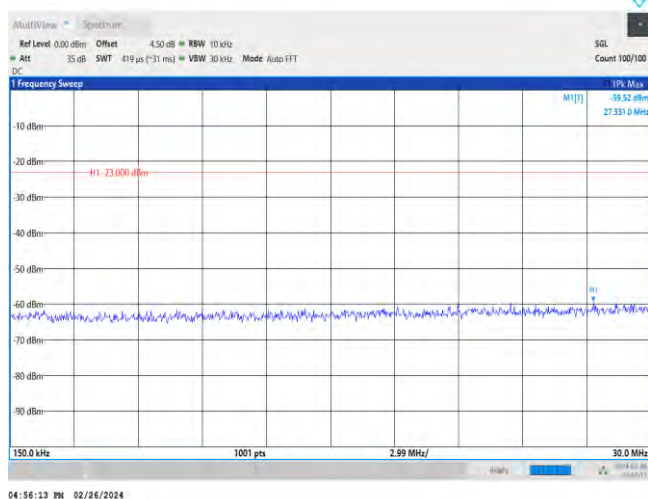
Conducted Spurious Emission

Test Graphs

Band25-20MHz-QPSK-26140-1RB#0-Range1:0.009~0.15MHz



Band25-20MHz-QPSK-26140-1RB#0-Range2:0.15~30MHz



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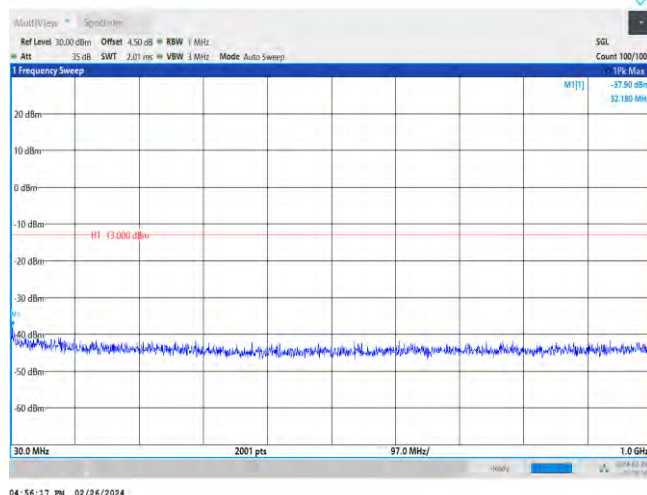
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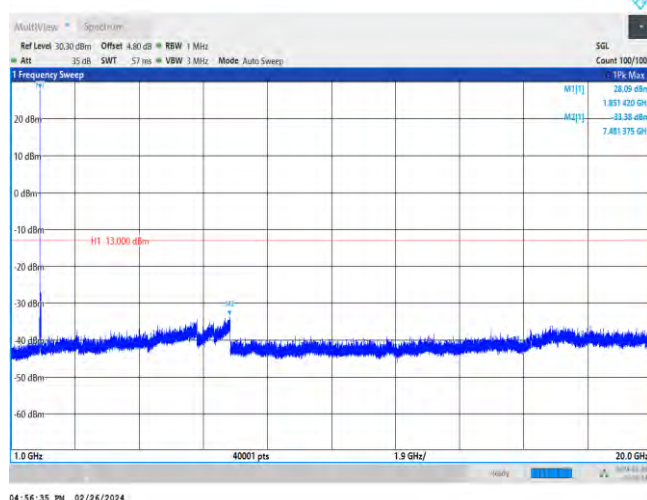
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Band25-20MHz-QPSK-26140-1RB#0-Range3:30~1000MHz



Band25-20MHz-QPSK-26140-1RB#0-Range4:1000~20000MHz



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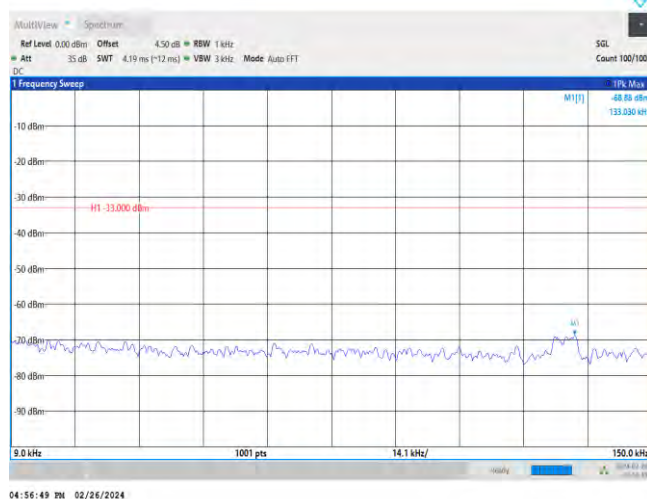
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Report No.: SUCR240100001701

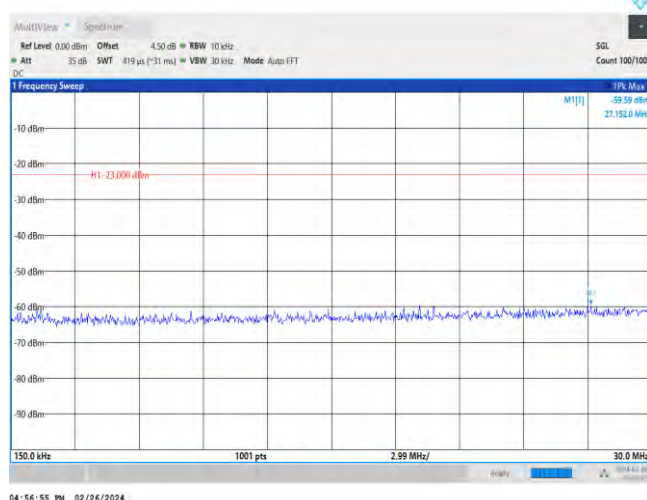
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Band25-20MHz-QPSK-26365-1RB#0-Range1:0.009~0.15MHz



Band25-20MHz-QPSK-26365-1RB#0-Range2:0.15~30MHz



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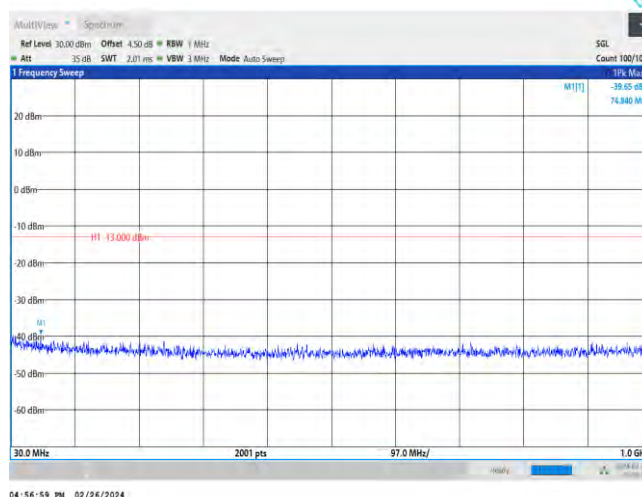
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Report No.: SUCR240100001701

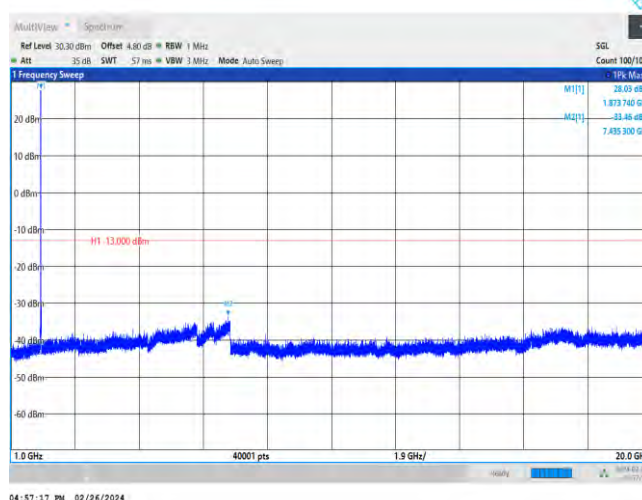
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Band25-20MHz-QPSK-26365-1RB#0-Range3:30~1000MHz



Band25-20MHz-QPSK-26365-1RB#0-Range4:1000~20000MHz



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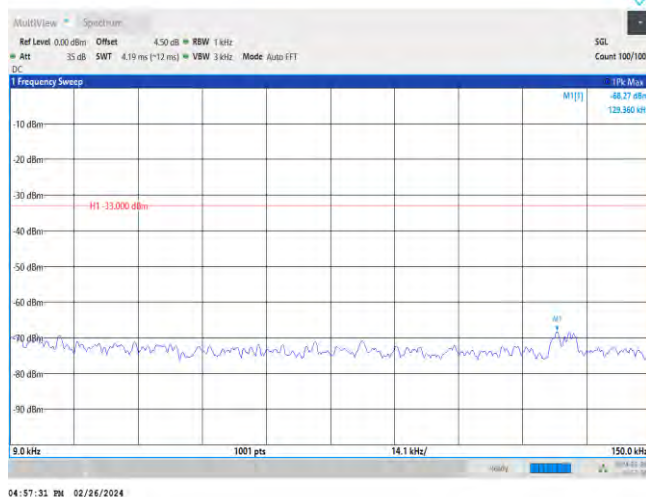
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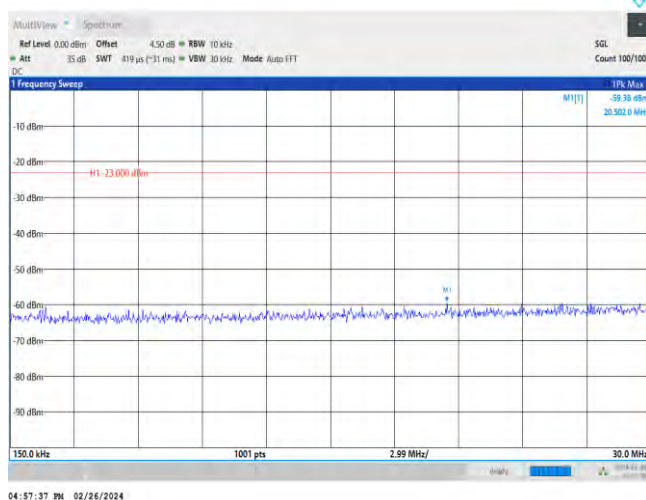
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Band25-20MHz-QPSK-26590-1RB#0-Range1:0.009~0.15MHz



Band25-20MHz-QPSK-26590-1RB#0-Range2:0.15~30MHz



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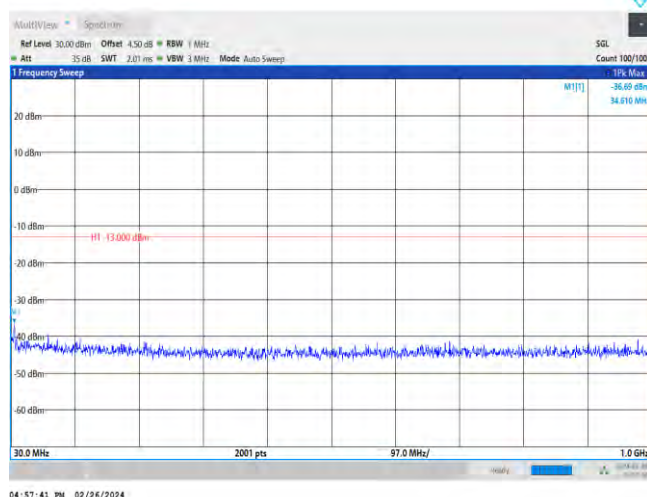
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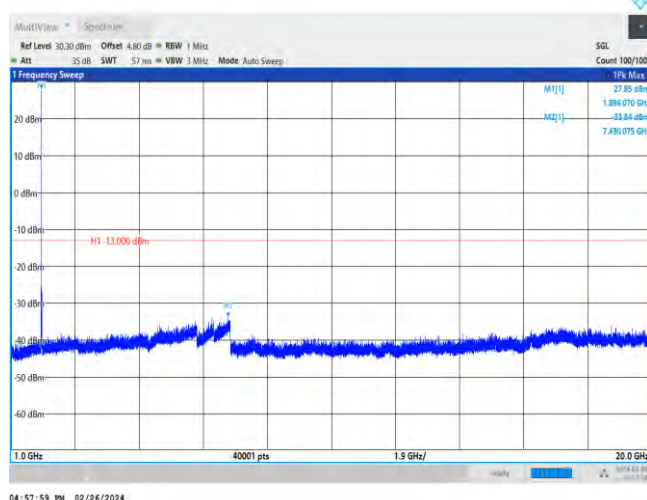
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Band25-20MHz-QPSK-26590-1RB#0-Range3:30~1000MHz



Band25-20MHz-QPSK-26590-1RB#0-Range4:1000~20000MHz



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Field Strength of Spurious Radiation

Test Band = LTE Band25

Test Channel = Low

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1475	35.38	-19.66	25.10	-54.44	-13.00	41.44	Horizontal
2	3702	49.65	-44.52	29.31	-60.82	-13.00	47.82	Horizontal
3	5553	48.06	-41.63	32.22	-56.61	-13.00	43.61	Horizontal
4	9901	42.63	-34.99	38.60	-49.02	-13.00	36.02	Horizontal
5	13580.5	43.42	-37.87	40.06	-49.65	-13.00	36.65	Horizontal
6	17989.5	41.80	-43.12	48.01	-48.57	-13.00	35.57	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1353	35.02	-20.07	25.09	-55.22	-13.00	42.22	Vertical
2	3702	55.93	-44.52	29.31	-54.54	-13.00	41.54	Vertical
3	5553.5	58.79	-41.63	32.23	-45.87	-13.00	32.87	Vertical
4	9902	42.79	-35.01	38.60	-48.88	-13.00	35.88	Vertical
5	13554	43.48	-37.91	40.01	-49.68	-13.00	36.68	Vertical
6	16387.5	42.25	-34.89	38.76	-49.14	-13.00	36.14	Vertical



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Test Band = LTE Band25
Test Channel = Mid

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1432.5	35.05	-19.75	25.16	-54.80	-13.00	41.80	Horizontal
2	3747	50.76	-44.71	29.58	-59.63	-13.00	46.63	Horizontal
3	5621	52.13	-41.38	32.56	-51.95	-13.00	38.95	Horizontal
4	9879.5	43.24	-35.12	38.44	-48.70	-13.00	35.70	Horizontal
5	13628.5	43.44	-37.89	40.13	-49.58	-13.00	36.58	Horizontal
6	17998.5	41.53	-43.05	48.17	-48.61	-13.00	35.61	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1444	34.86	-19.69	25.25	-54.84	-13.00	41.84	Vertical
2	3747	58.61	-44.71	29.58	-51.78	-13.00	38.78	Vertical
3	5621	61.36	-41.38	32.56	-42.72	-13.00	29.72	Vertical
4	7494.5	46.33	-38.29	36.89	-50.33	-13.00	37.33	Vertical
5	11033.5	43.46	-37.18	40.13	-48.85	-13.00	35.85	Vertical
6	17994	41.39	-43.09	48.09	-48.87	-13.00	35.87	Vertical



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Test Band = LTE Band25
Test Channel = High

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1349.5	35.00	-20.06	25.10	-55.22	-13.00	42.22	Horizontal
2	3792	52.71	-44.90	29.77	-57.68	-13.00	44.68	Horizontal
3	5688.5	52.50	-41.17	32.50	-51.43	-13.00	38.43	Horizontal
4	9914	42.80	-35.33	38.61	-49.18	-13.00	36.18	Horizontal
5	13553	44.33	-37.91	40.01	-48.83	-13.00	35.83	Horizontal
6	16390.5	42.70	-34.87	38.77	-48.66	-13.00	35.66	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1333	35.12	-20.28	24.93	-55.49	-13.00	42.49	Vertical
2	3792	61.78	-44.90	29.77	-48.61	-13.00	35.61	Vertical
3	5688.5	62.54	-41.17	32.50	-41.39	-13.00	28.39	Vertical
4	9904.5	42.68	-35.08	38.60	-49.06	-13.00	36.06	Vertical
5	13555	43.45	-37.91	40.01	-49.71	-13.00	36.71	Vertical
6	17999	41.46	-43.05	48.18	-48.67	-13.00	35.67	Vertical



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Test Band = LTE 25A_26A

Test Channel = Low

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3891.75	43.54	-46.25	29.23	-68.74	-13.00	55.74	Horizontal
2	4915.5	43.07	-45.55	31.26	-66.47	-13.00	53.47	Horizontal
3	6329.25	42.18	-44.50	33.52	-64.06	-13.00	51.06	Horizontal
4	7568.25	40.92	-43.00	36.50	-60.84	-13.00	47.84	Horizontal
5	10063.5	37.07	-39.16	38.51	-58.85	-13.00	45.85	Horizontal
6	12672	35.20	-36.94	39.30	-57.70	-13.00	44.70	Horizontal

Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4419.75	43.17	-45.80	30.41	-67.48	-13.00	54.48	Vertical
2	5403.75	43.36	-45.30	32.13	-65.07	-13.00	52.07	Vertical
3	5640.75	46.60	-44.98	32.33	-61.31	-13.00	48.31	Vertical
4	7727.25	41.16	-42.90	36.72	-60.28	-13.00	47.28	Vertical
5	9522	38.84	-40.11	37.54	-58.98	-13.00	45.98	Vertical
6	12774.75	34.60	-36.79	39.33	-58.12	-13.00	45.12	Vertical



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Test Band = LTE 25A_26A
Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3760.5	46.82	-45.75	29.02	-65.18	-13.00	52.18	Horizontal
2	4568.25	43.04	-45.68	30.71	-67.19	-13.00	54.19	Horizontal
3	6106.5	42.11	-44.47	32.76	-64.86	-13.00	51.86	Horizontal
4	7191.75	41.40	-43.49	35.54	-61.81	-13.00	48.81	Horizontal
5	10011	36.80	-39.23	38.50	-59.19	-13.00	46.19	Horizontal
6	12641.25	35.00	-37.23	39.29	-58.20	-13.00	45.20	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3760.5	51.21	-45.75	29.02	-60.79	-13.00	47.79	Vertical
2	5640.75	46.57	-44.98	32.33	-61.34	-13.00	48.34	Vertical
3	7521.75	42.12	-43.09	36.43	-59.80	-13.00	46.80	Vertical
4	9208.5	38.15	-40.25	36.92	-60.44	-13.00	47.44	Vertical
5	10904.25	35.55	-37.81	38.59	-58.93	-13.00	45.93	Vertical
6	13390.5	34.03	-36.36	39.95	-57.65	-13.00	44.65	Vertical



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Test Band = LTE 25A_26A
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3760.5	46.47	-45.75	29.02	-65.53	-13.00	52.53	Horizontal
2	5119.5	42.32	-45.35	31.62	-66.68	-13.00	53.68	Horizontal
3	6836.25	42.23	-44.14	34.71	-62.47	-13.00	49.47	Horizontal
4	8595	40.33	-41.34	36.74	-59.53	-13.00	46.53	Horizontal
5	10786.5	36.01	-38.51	38.58	-59.18	-13.00	46.18	Horizontal
6	12091.5	35.44	-37.36	39.13	-58.06	-13.00	45.06	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3760.5	52.64	-45.75	29.02	-59.36	-13.00	46.36	Vertical
2	4489.5	43.00	-45.72	30.57	-67.41	-13.00	54.41	Vertical
3	5640.75	45.92	-44.98	32.33	-61.99	-13.00	48.99	Vertical
4	7521	41.61	-43.10	36.43	-60.32	-13.00	47.32	Vertical
5	9402	39.66	-39.84	37.30	-58.13	-13.00	45.13	Vertical
6	11308.5	35.22	-37.42	38.75	-58.70	-13.00	45.70	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

2) All antennas of RSE are tested, and only the worst data is presented.



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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band25	20MHz	QPSK	26365	100RB#0	VL	NT	-3.10	-0.001647	PASS
Band25	20MHz	QPSK	26365	100RB#0	VN	NT	-0.60	-0.000319	PASS
Band25	20MHz	QPSK	26365	100RB#0	VH	NT	-2.00	-0.001062	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band25	20MHz	QPSK	26365	100RB#0	NV	-30	-2.90	-0.001541	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-20	-2.40	-0.001275	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	-10	-1.40	-0.000744	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	0	-3.50	-0.001859	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	10	-3.80	-0.002019	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	20	-2.10	-0.001116	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	30	-2.00	-0.001062	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	40	-2.90	-0.001541	PASS
Band25	20MHz	QPSK	26365	100RB#0	NV	50	-2.90	-0.001541	PASS

---End of Attachment---



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