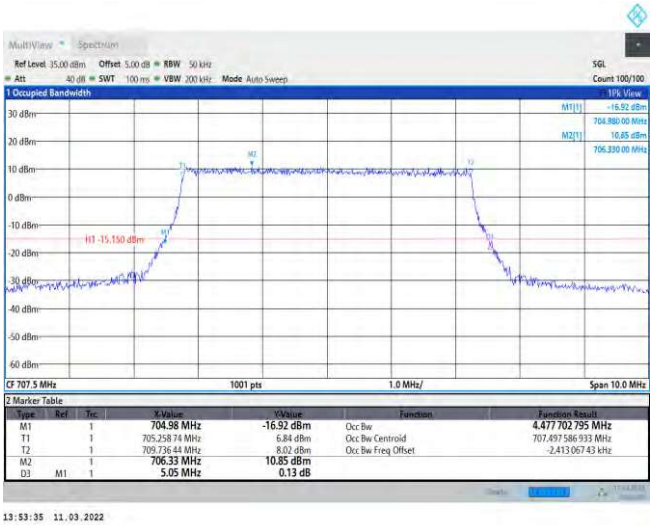
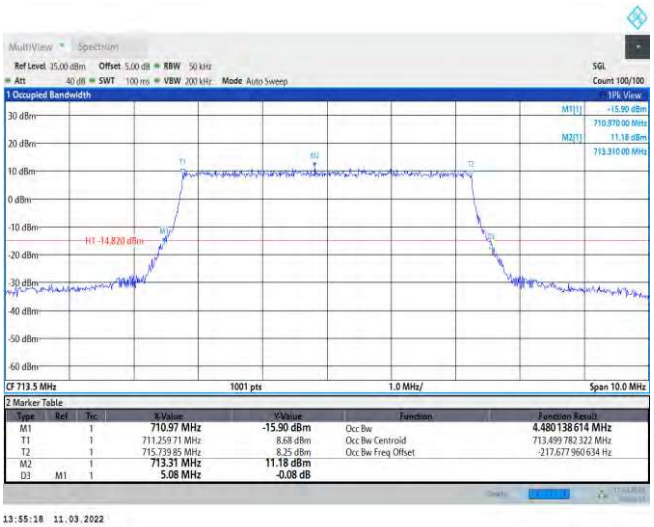
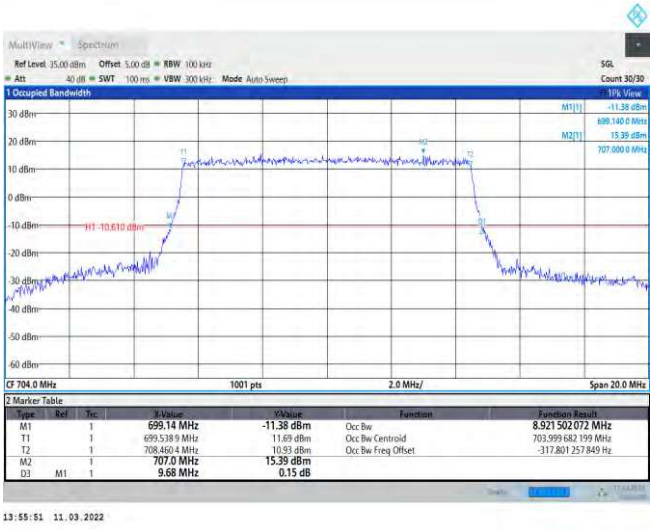
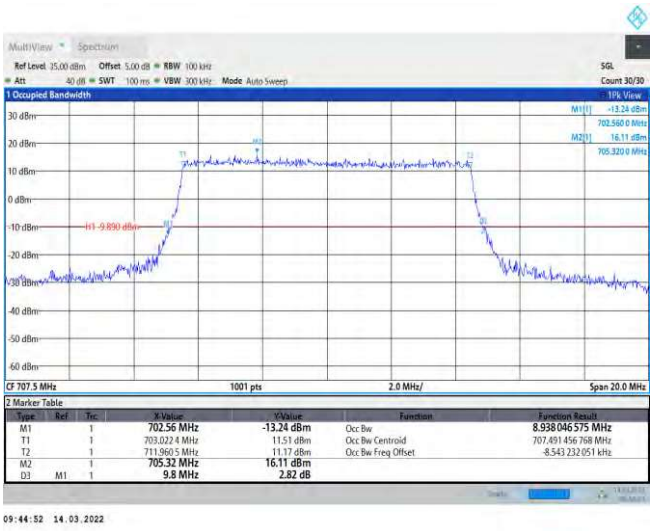
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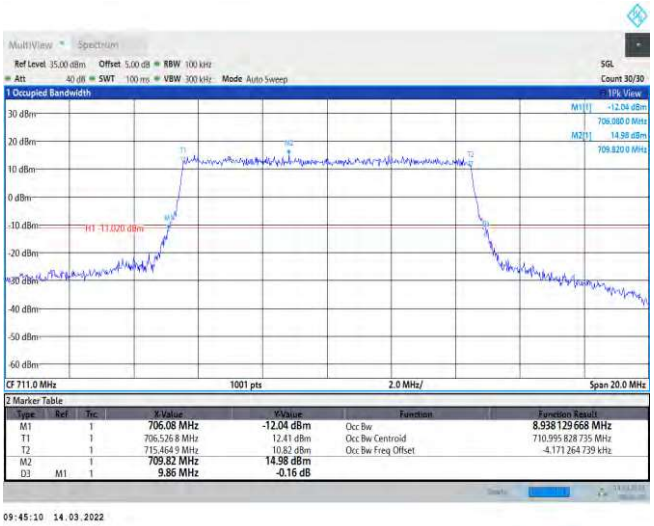
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Band12-10MHz-QPSK-23060-50RB#0


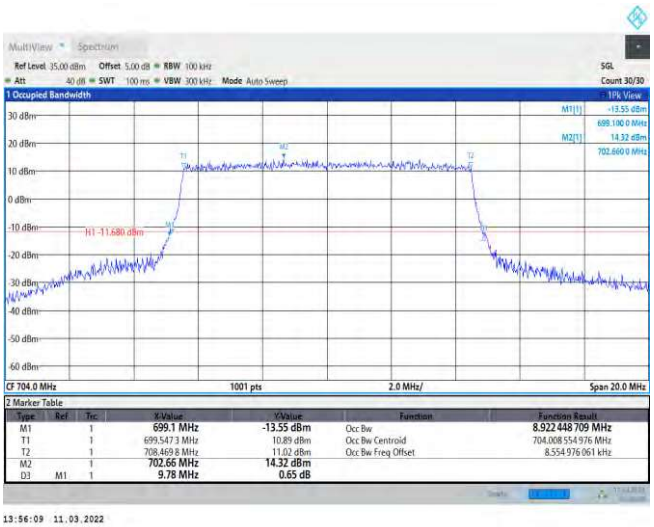
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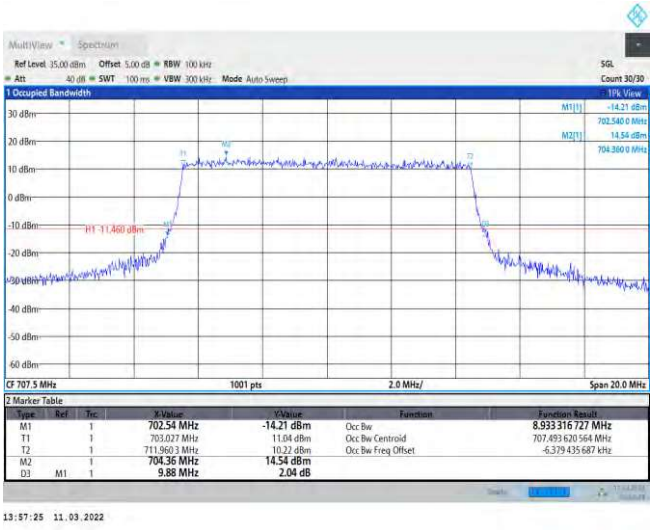


Band12-10MHz-16QAM-23060-50RB#0

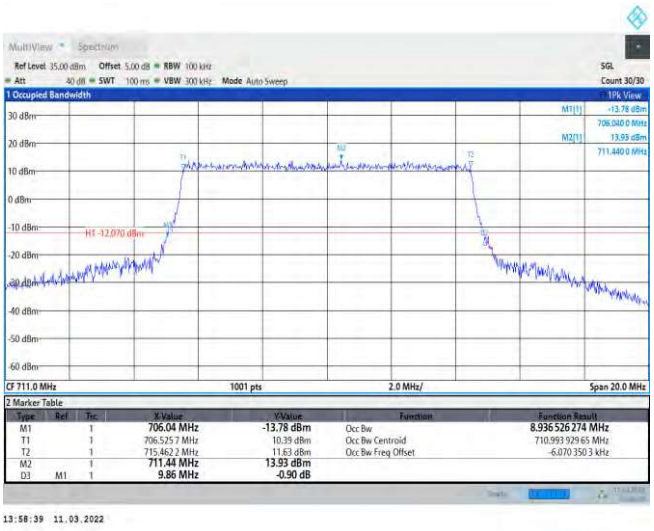


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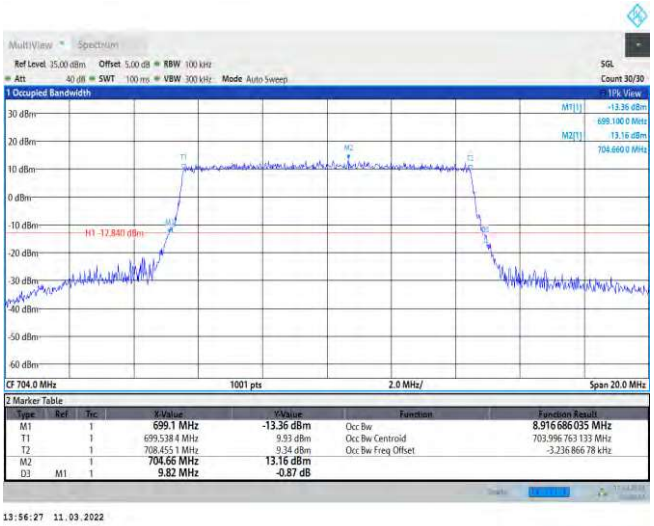


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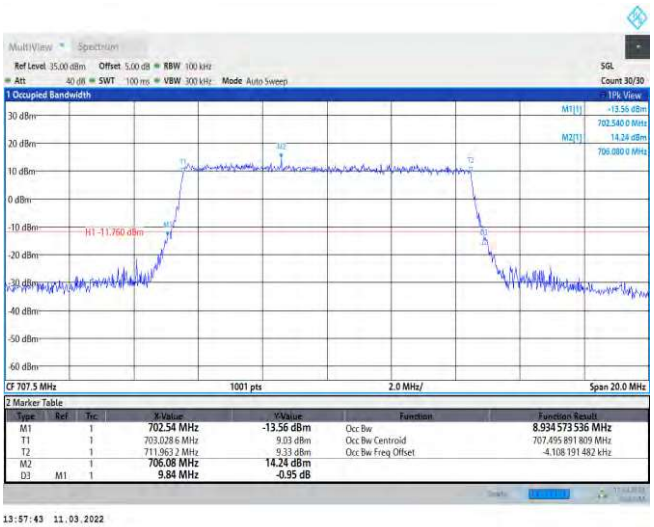


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Band12-10MHz-64QAM-23060-50RB#0

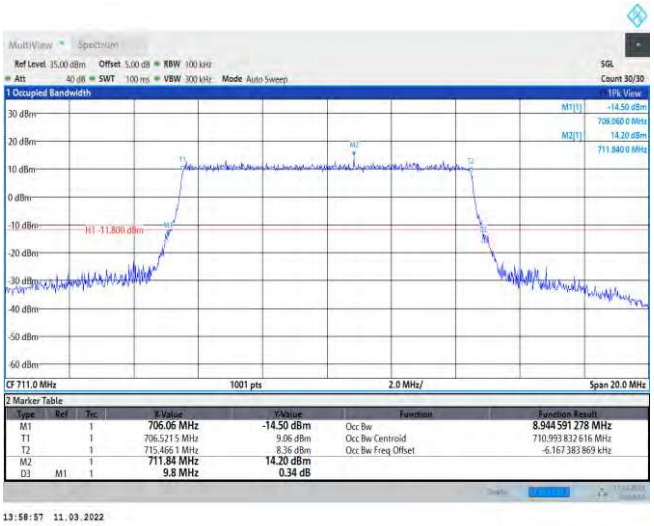


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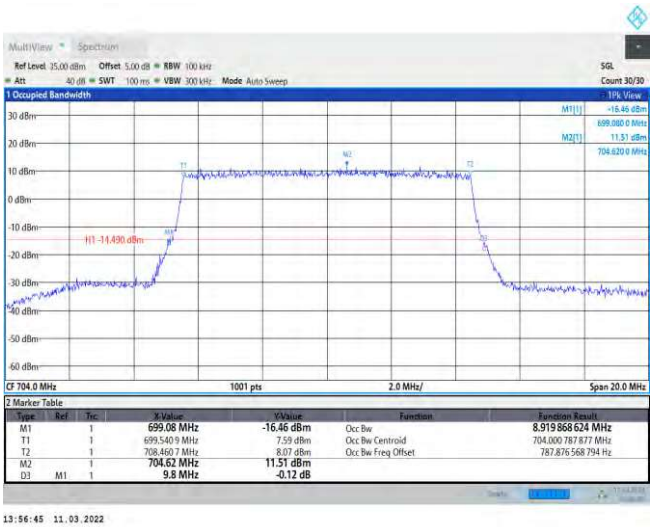


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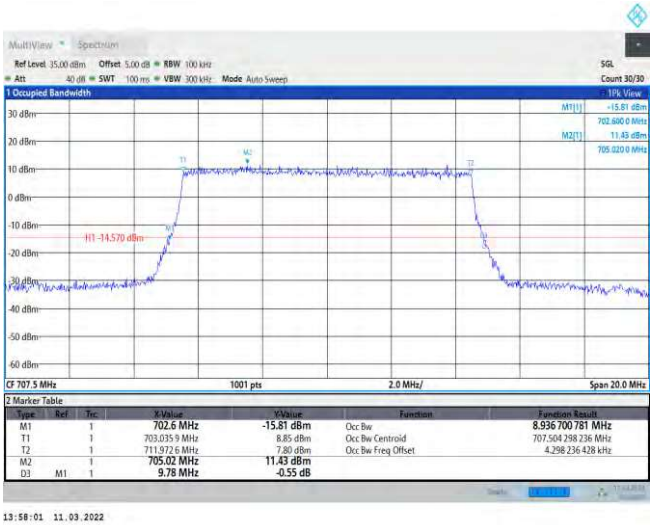
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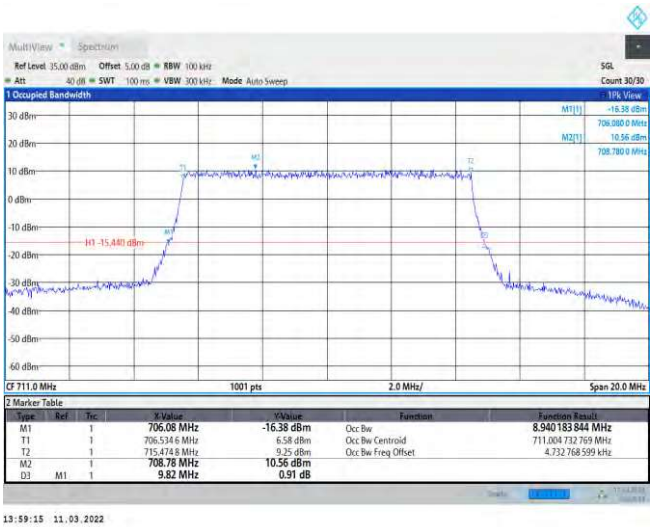


Band12-10MHz-256QAM-23060-50RB#0



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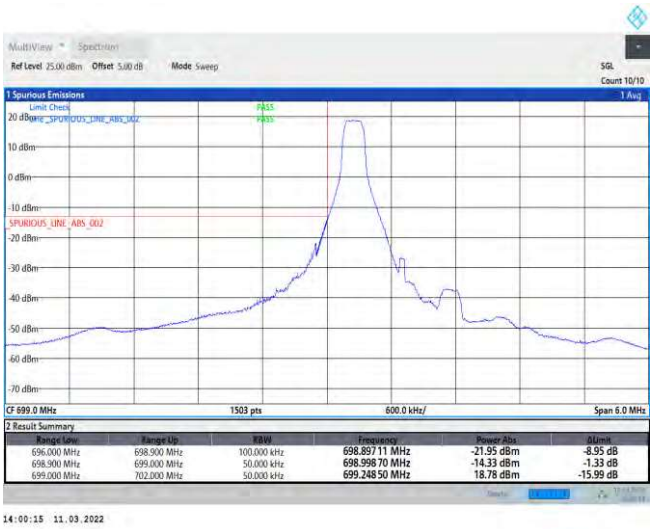
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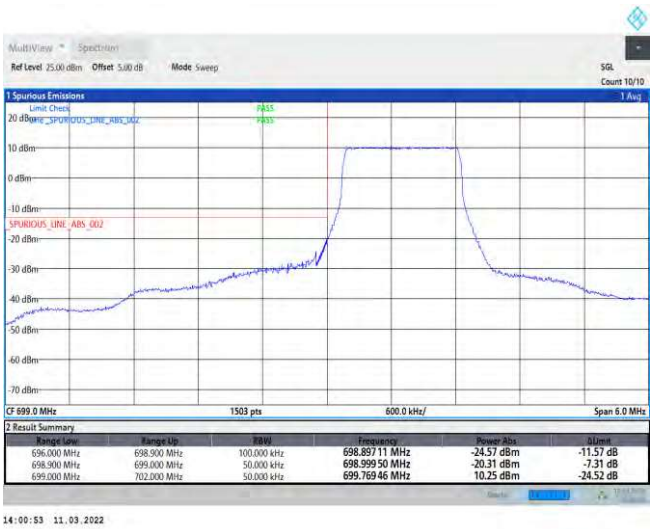
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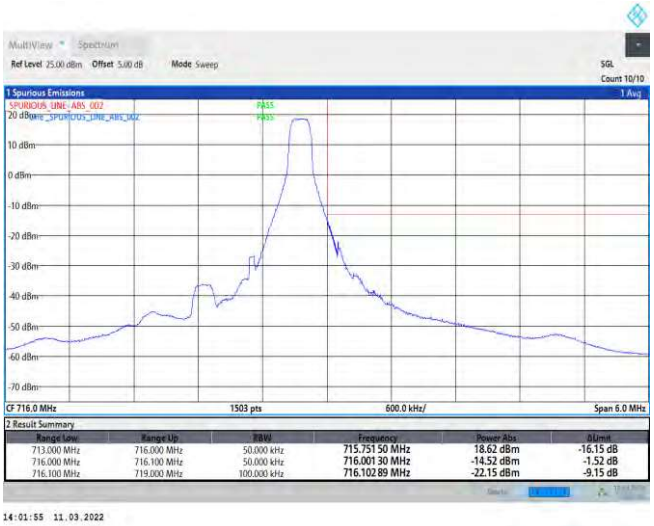
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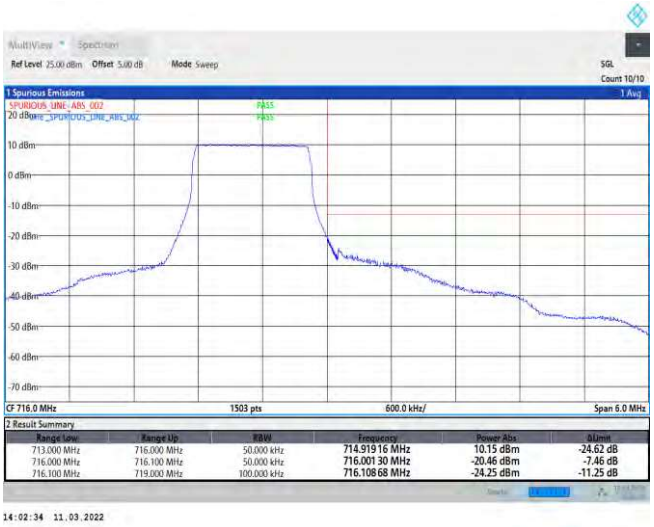
Test Graphs

Band12-1.4MHz-QPSK-23017-1RB#0


Band12-1.4MHz-QPSK-23017-6RB#0


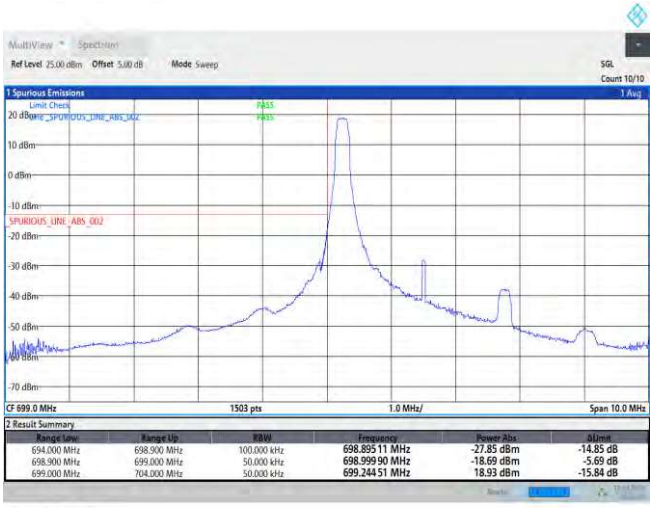
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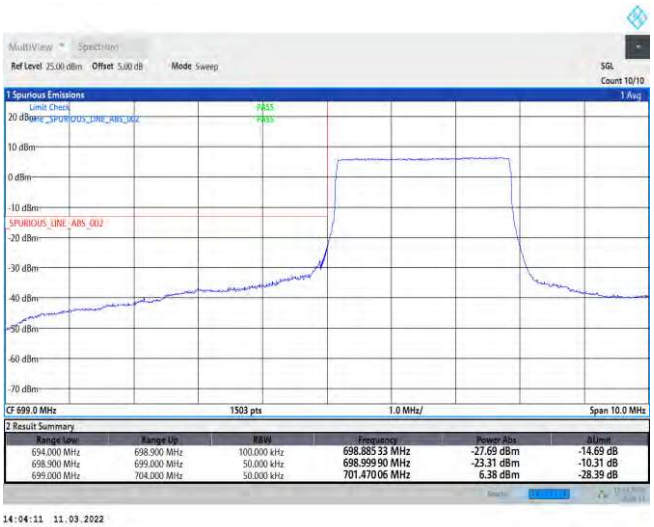
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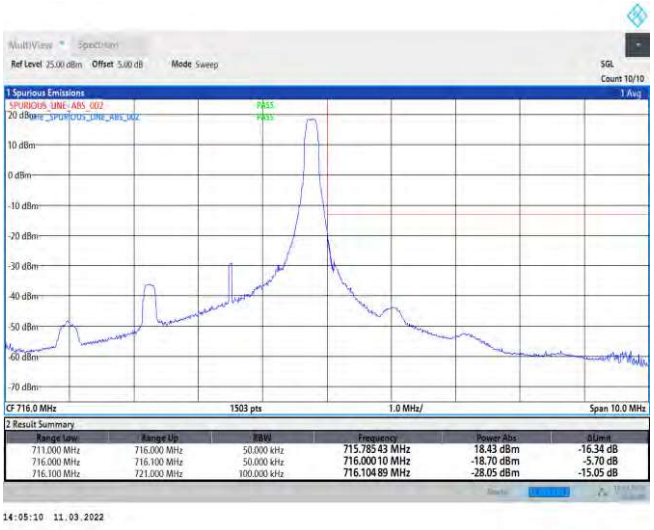
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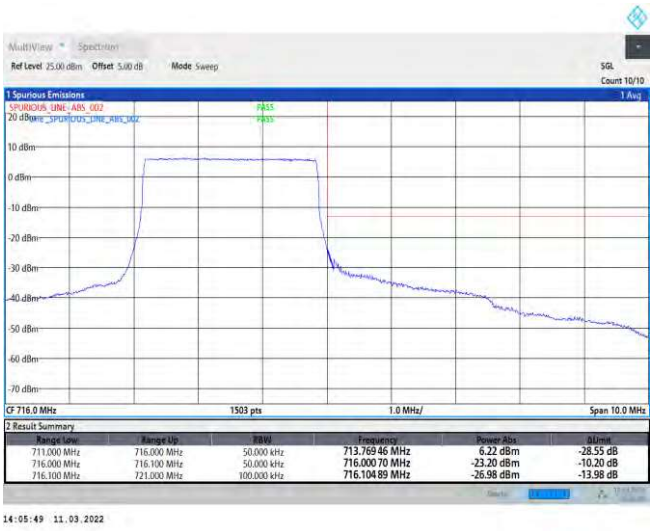
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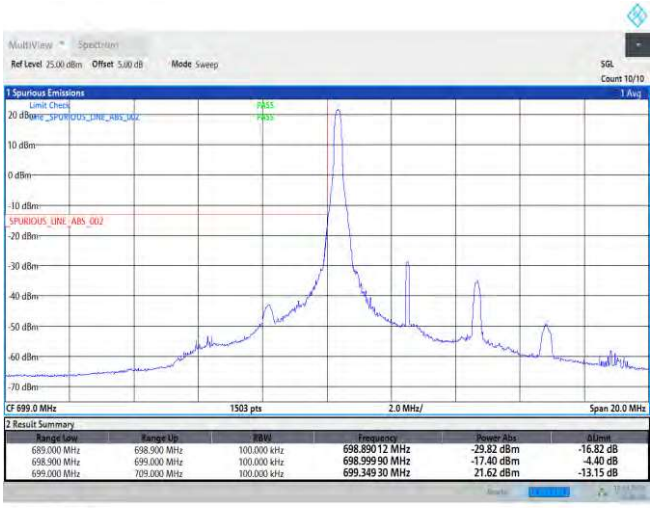
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Band12-3MHz-QPSK-23165-1RB#14


Band12-3MHz-QPSK-23165-15RB#0


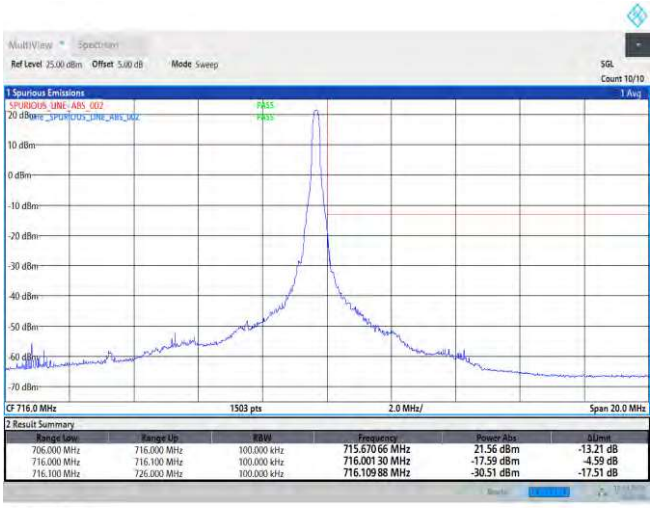
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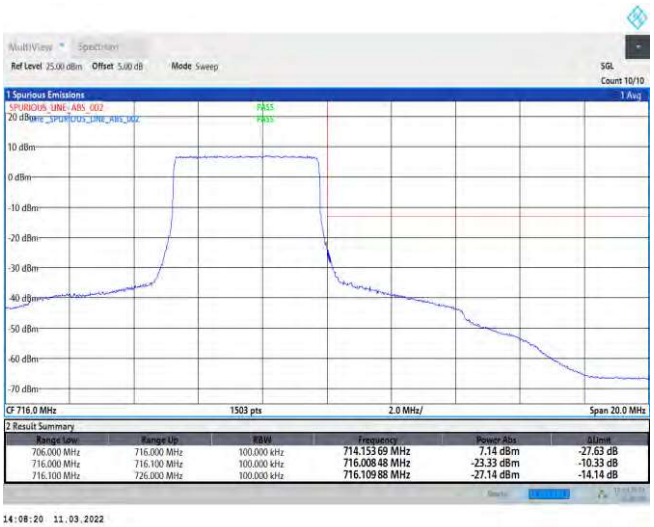
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Band12-5MHz-QPSK-23035-1RB#0


Band12-5MHz-QPSK-23035-25RB#0

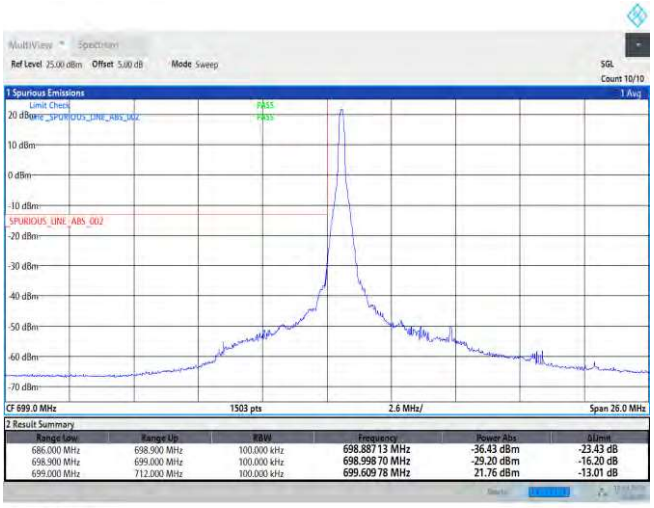

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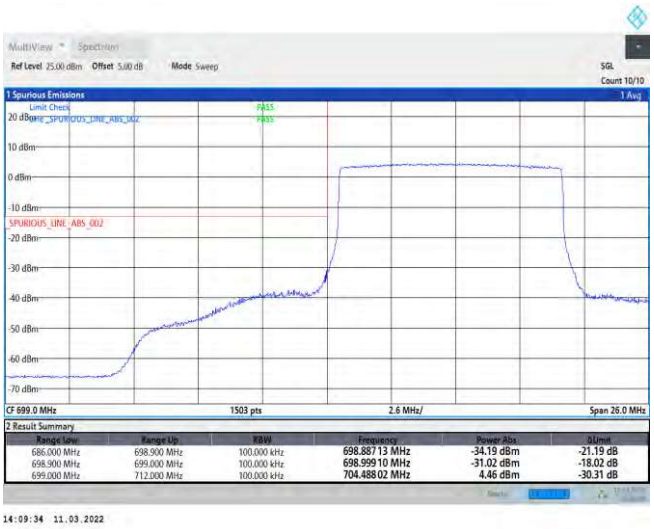
Band12-5MHz-QPSK-23155-1RB#24


Band12-5MHz-QPSK-23155-25RB#0


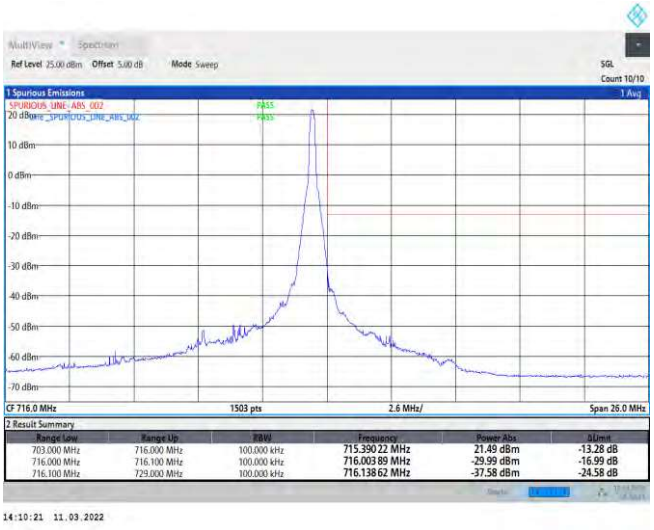
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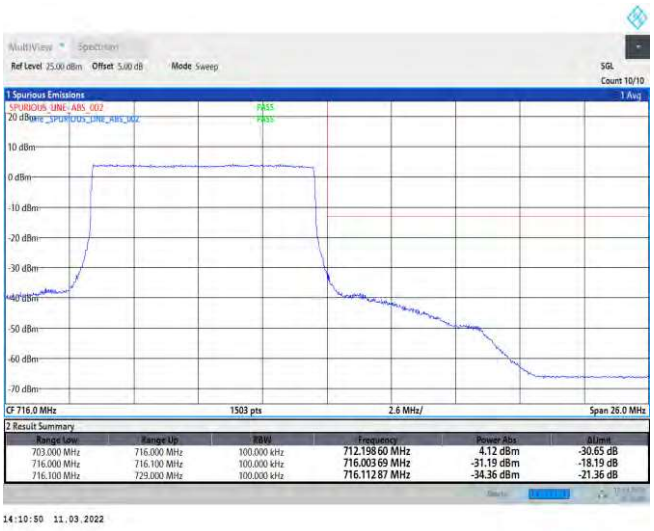
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Band12-10MHz-QPSK-23060-1RB#0


Band12-10MHz-QPSK-23060-50RB#0


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Band12-10MHz-QPSK-23130-1RB#49


Band12-10MHz-QPSK-23130-50RB#0


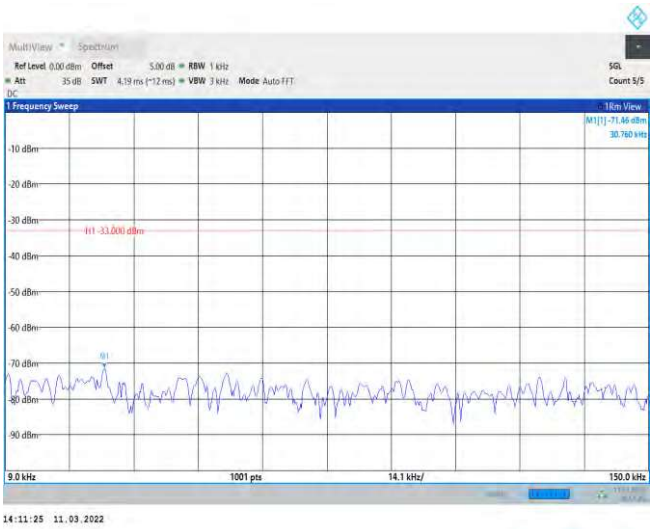
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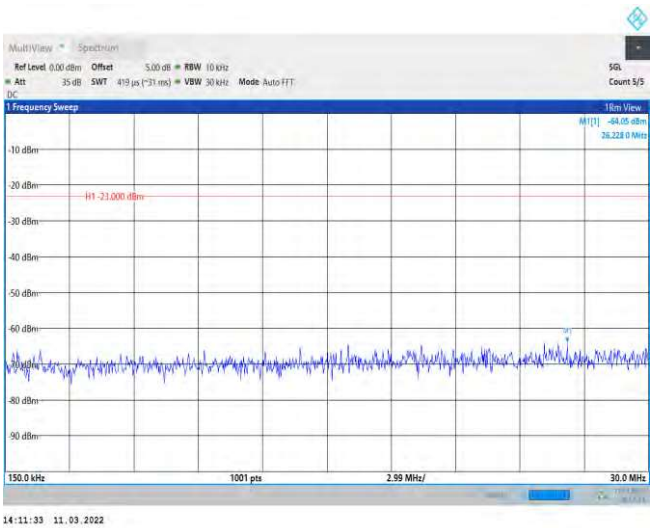
Conducted Spurious Emission

Test Graphs

Band12-10MHz-QPSK-23060-1RB#0-Range1:0.009~0.15MHz

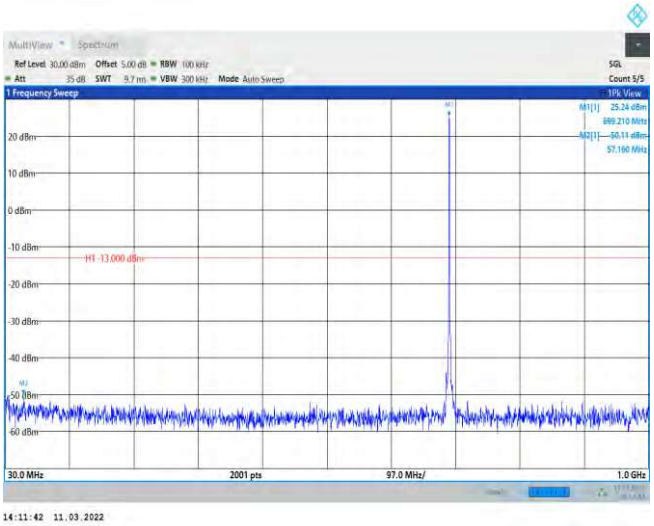


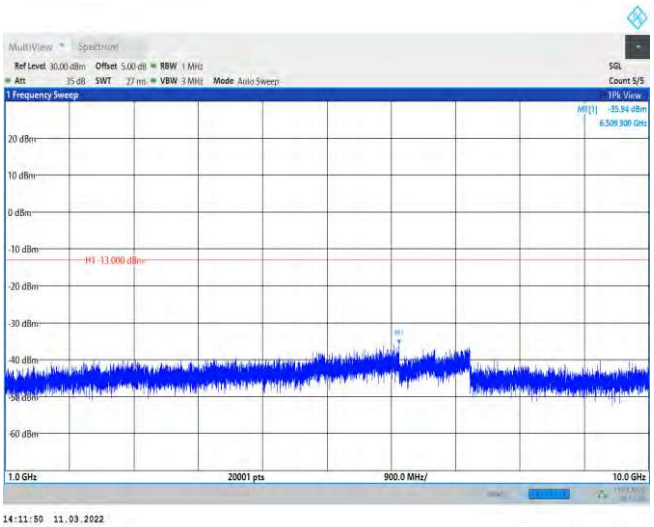
Band12-10MHz-QPSK-23060-1RB#0-Range2:0.15~30MHz



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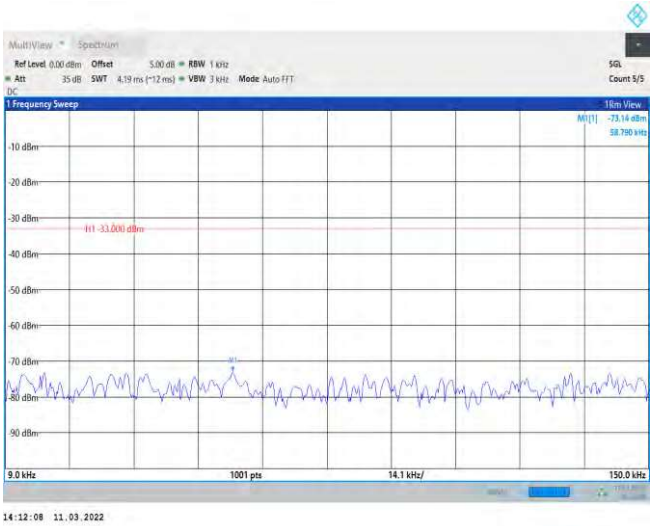
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Band12-10MHz-QPSK-23060-1RB#0-Range4:1000~10000MHz


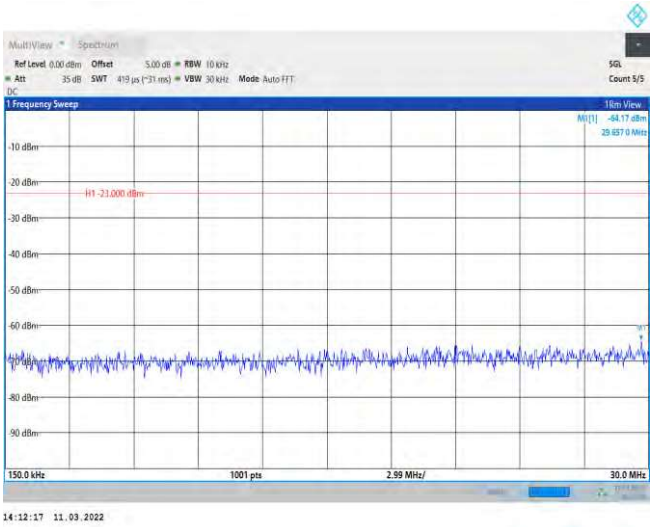
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Band12-10MHz-QPSK-23095-1RB#0-Range1:0.009~0.15MHz

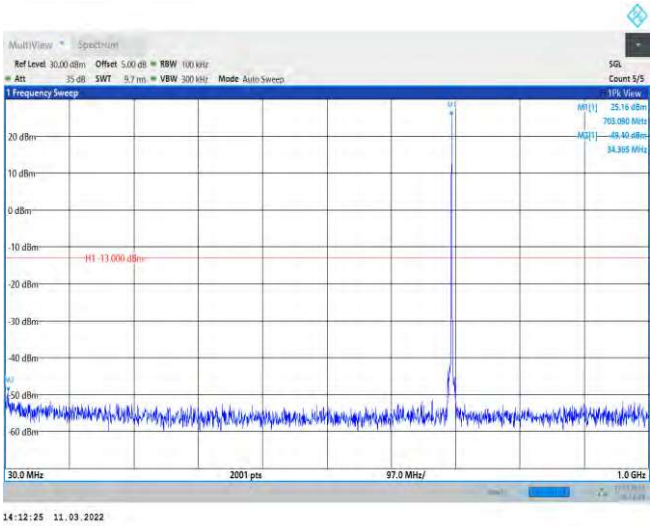


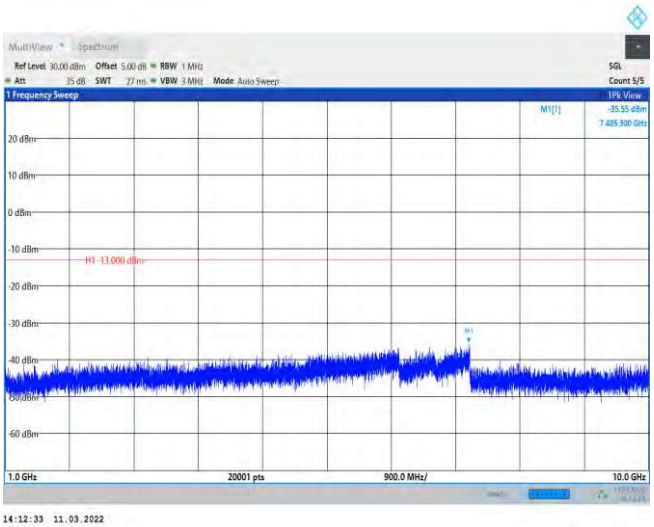
Band12-10MHz-QPSK-23095-1RB#0-Range2:0.15~30MHz



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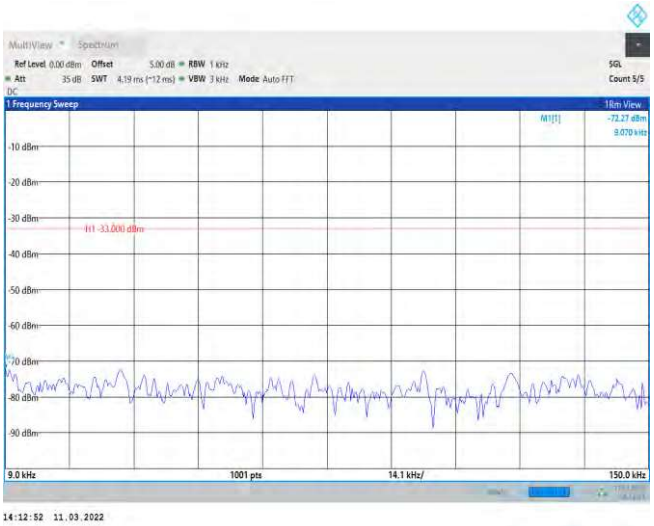
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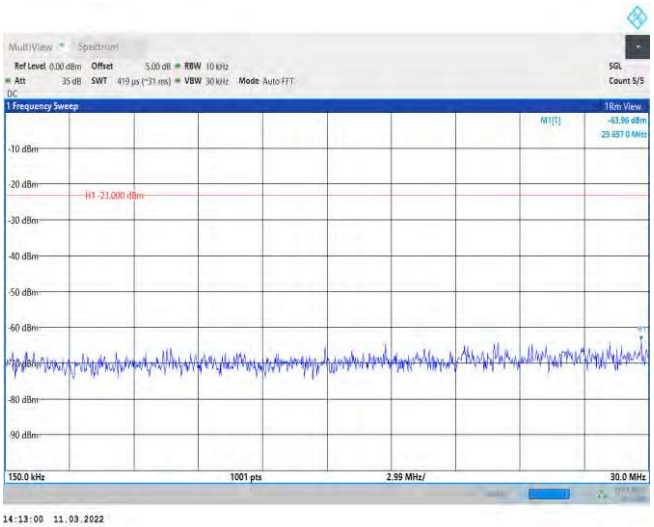
Band12-10MHz-QPSK-23095-1RB#0-Range3:30~1000MHz


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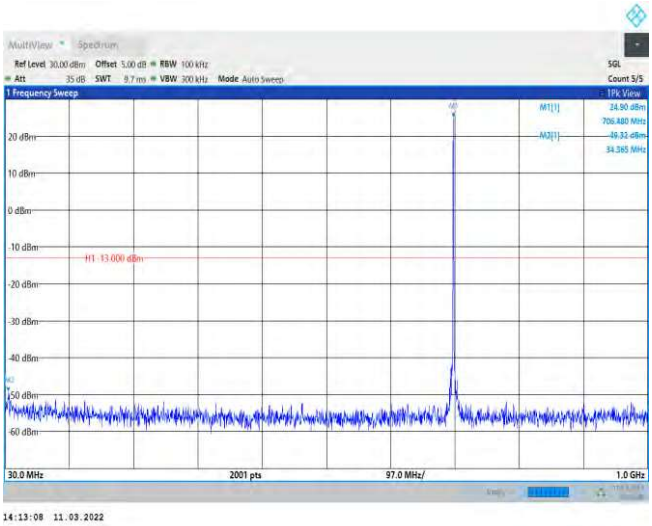
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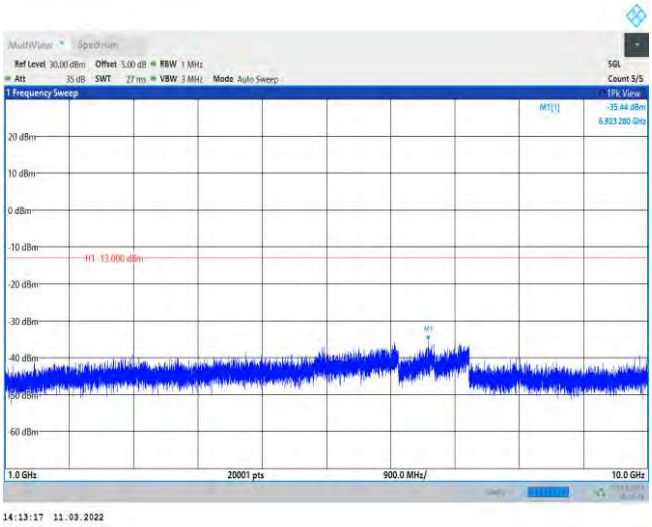
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Field Strength of Spurious Radiation

Test Band = _LTE Band12 TM1
Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1399.1800	91.75	-117.64	-25.89	-13.00	12.89	256	341	Horizontal
2	2098.2857	84.97	-115.99	-31.02	-13.00	18.02	148	139	Horizontal
3	2798.2857	67.04	-113.71	-46.67	-13.00	33.67	196	127	Horizontal
4	3497.9500	68.22	-112.28	-44.06	-13.00	31.06	233	38	Horizontal
5	4197.5400	51.32	-110.12	-58.80	-13.00	45.80	170	4	Horizontal
6	4897.1300	51.09	-108.25	-57.16	-13.00	44.16	198	13	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1399.1800	81.67	-117.64	-35.97	-13.00	22.97	125	272	Vertical
2	2098.7700	63.93	-115.99	-52.06	-13.00	39.06	146	208	Vertical
3	2798.2857	58.97	-113.71	-54.74	-13.00	41.74	139	188	Vertical
4	3497.7143	57.77	-112.28	-54.51	-13.00	41.51	172	182	Vertical
5	4197.5400	49.76	-110.12	-60.36	-13.00	47.36	184	246	Vertical
6	4897.1300	51.04	-108.25	-57.21	-13.00	44.21	176	105	Vertical

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Test Band = _LTE Band12 TM1
Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1406.1800	93.03	-117.67	-24.64	-13.00	11.64	148	354	Horizontal
2	2109.1429	84.08	-115.95	-31.87	-13.00	18.87	126	240	Horizontal
3	2812.3600	64.22	-113.60	-49.38	-13.00	36.38	236	240	Horizontal
4	3515.4286	69.41	-112.24	-42.83	-13.00	29.83	199	37	Horizontal
5	4218.5400	51.01	-110.05	-59.04	-13.00	46.04	172	126	Horizontal
6	4921.6300	50.89	-108.23	-57.34	-13.00	44.34	201	264	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1406.1800	78.65	-117.67	-39.02	-13.00	26.02	184	296	Vertical
2	2109.2700	68.60	-115.94	-47.34	-13.00	34.34	172	120	Vertical
3	2812.3600	57.61	-113.60	-55.99	-13.00	42.99	233	0	Vertical
4	3515.4500	52.25	-112.23	-59.98	-13.00	46.98	105	144	Vertical
5	4218.5400	50.36	-110.05	-59.69	-13.00	46.69	166	232	Vertical
6	4921.6300	51.79	-108.23	-56.44	-13.00	43.44	194	270	Vertical

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Test Band = _LTE Band12 TM1
Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1413.1429	92.99	-117.70	-24.71	-13.00	11.71	287	155	Horizontal
2	2119.7700	83.49	-115.90	-32.41	-13.00	19.41	159	230	Horizontal
3	2826.2857	69.07	-113.49	-44.42	-13.00	31.42	147	114	Horizontal
4	3532.9500	69.53	-112.18	-42.65	-13.00	29.65	258	242	Horizontal
5	4239.5400	49.85	-109.97	-60.12	-13.00	47.12	165	140	Horizontal
6	4946.1300	51.02	-108.22	-57.20	-13.00	44.20	187	242	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1413.1429	79.68	-117.70	-38.02	-13.00	25.02	175	284	Vertical
2	2119.7700	69.77	-115.90	-46.13	-13.00	33.13	149	93	Vertical
3	2826.2857	59.78	-113.49	-53.71	-13.00	40.71	198	120	Vertical
4	3532.9500	53.19	-112.18	-58.99	-13.00	45.99	183	158	Vertical
5	4239.5400	50.67	-109.97	-59.30	-13.00	46.30	222	120	Vertical
6	4946.1300	50.38	-108.22	-57.84	-13.00	44.84	237	357	Vertical

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Test Band = _UL CA 2A_12A TM1
Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1399.1800	70.91	-95.56	-24.65	-13.00	11.65	214	1	Horizontal
2	2098.6667	65.04	-93.06	-28.02	-13.00	15.02	175	152	Horizontal
3	2798.3600	57.54	-90.35	-32.81	-13.00	19.81	146	188	Horizontal
4	3702	74.14	-110.79	-36.65	-13.00	23.65	233	310	Horizontal
5	5553.2700	64.32	-107.44	-43.12	-13.00	30.12	201	310	Horizontal
6	7404.3600	59.01	-102.17	-43.16	-13.00	30.16	127	321	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1399.1800	59.32	-95.56	-36.24	-13.00	23.24	187	59	Vertical
2	2098.6667	47.46	-93.06	-45.60	-13.00	32.60	199	35	Vertical
3	2798.3600	50.35	-90.35	-40.00	-13.00	27.00	233	315	Vertical
4	3702	67.44	-110.79	-43.35	-13.00	30.35	254	24	Vertical
5	5553.2700	70.25	-107.44	-37.19	-13.00	24.19	321	194	Vertical
6	7404.3600	66.87	-102.17	-35.30	-13.00	22.30	201	162	Vertical

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Test Band = _UL CA 2A_12A TM1
Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1406.1800	77.17	-95.55	-18.38	-13.00	5.38	122	112	Horizontal
2	2109.2700	61.66	-92.99	-31.33	-13.00	18.33	154	186	Horizontal
3	2812.3600	56.78	-90.25	-33.47	-13.00	20.47	185	119	Horizontal
4	3742.1800	72.66	-110.82	-38.16	-13.00	25.16	146	88	Horizontal
5	5613	66.18	-107.23	-41.05	-13.00	28.05	193	280	Horizontal
6	7484.25	54.98	-101.99	-47.01	-13.00	34.01	173	258	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1406	54.63	-95.55	-40.92	-13.00	27.92	221	240	Vertical
2	2109.2700	50.40	-92.99	-42.59	-13.00	29.59	145	136	Vertical
3	2812.3600	45.97	-90.25	-44.28	-13.00	31.28	119	2	Vertical
4	3742.1800	65.21	-110.82	-45.61	-13.00	32.61	177	227	Vertical
5	5613.2700	73.19	-107.23	-34.04	-13.00	21.04	193	196	Vertical
6	7484.25	65.40	-101.99	-36.59	-13.00	23.59	283	217	Vertical

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Test Band = _UL CA 2A_12A TM1
Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1413.1800	71.84	-95.55	-23.71	-13.00	10.71	142	135	Horizontal
2	2119.7700	59.86	-92.93	-33.07	-13.00	20.07	230	357	Horizontal
3	2826	57.47	-90.15	-32.68	-13.00	19.68	201	32	Horizontal
4	3782.25	74.35	-110.84	-36.49	-13.00	23.49	174	77	Horizontal
5	5673	65.31	-106.88	-41.57	-13.00	28.57	185	238	Horizontal
6	7564.3600	55.20	-101.86	-46.66	-13.00	33.66	196	312	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1413.1800	59.29	-95.55	-36.26	-13.00	23.26	163	237	Vertical
2	2119.7700	48.81	-92.93	-44.12	-13.00	31.12	261	134	Vertical
3	2826.3600	50.89	-90.15	-39.26	-13.00	26.26	241	356	Vertical
4	3782.1800	69.54	-110.84	-41.30	-13.00	28.30	218	206	Vertical
5	5673.2700	70.42	-106.88	-36.46	-13.00	23.46	186	173	Vertical
6	7564.3600	65.24	-101.86	-36.62	-13.00	23.62	214	216	Vertical

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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	-1.30	-0.001837	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	-0.40	-0.000565	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	-1.10	-0.001555	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	-0.80	-0.001131	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-1.30	-0.001837	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	-1.00	-0.001413	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	-1.00	-0.001413	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	0.40	0.000565	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	0.30	0.000424	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	-0.30	-0.000424	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	0.30	0.000424	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-1.60	-0.002261	PASS

The End

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