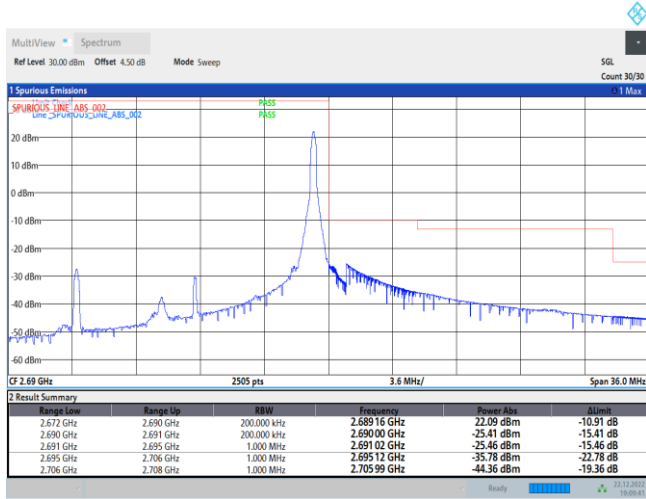
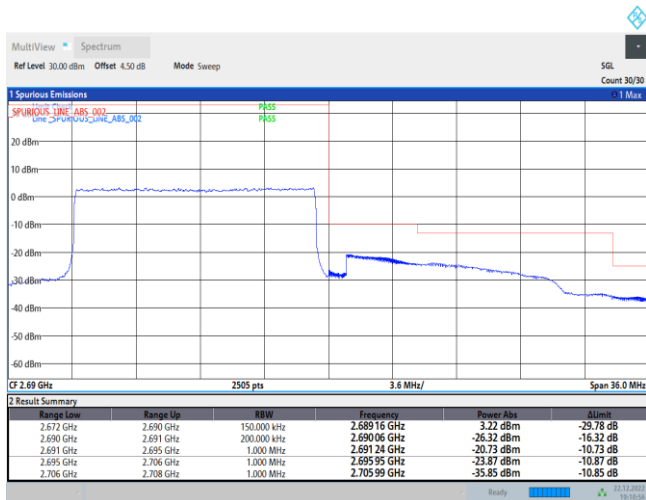


Band41-15MHz-QPSK-41515-1RB#74



19:09:41 22.12.2022

Band41-15MHz-QPSK-41515-75RB#0



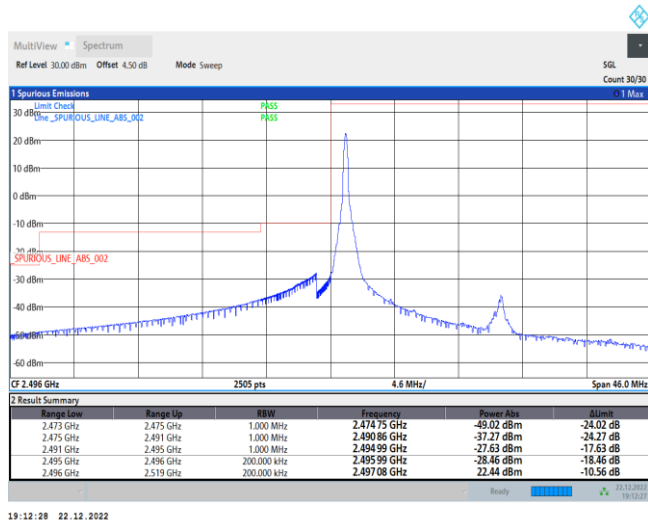
19:10:57 22.12.2022



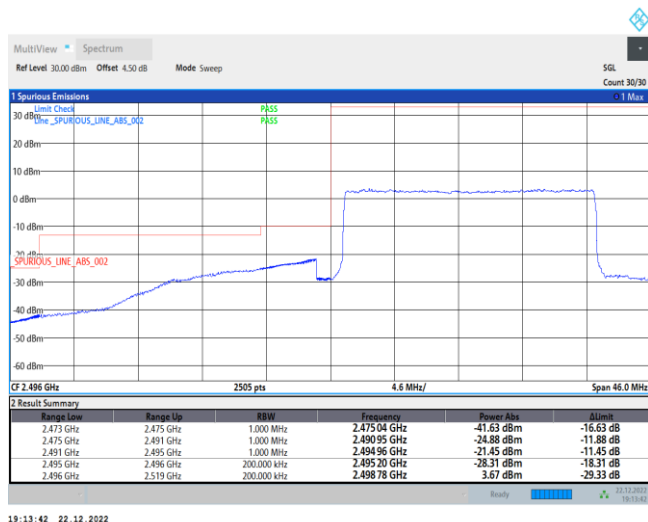
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Band41-20MHz-QPSK-39750-1RB#0



Band41-20MHz-QPSK-39750-100RB#0

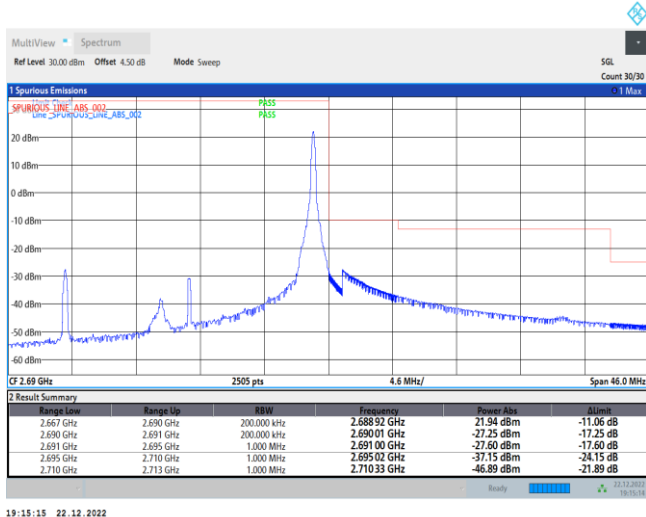


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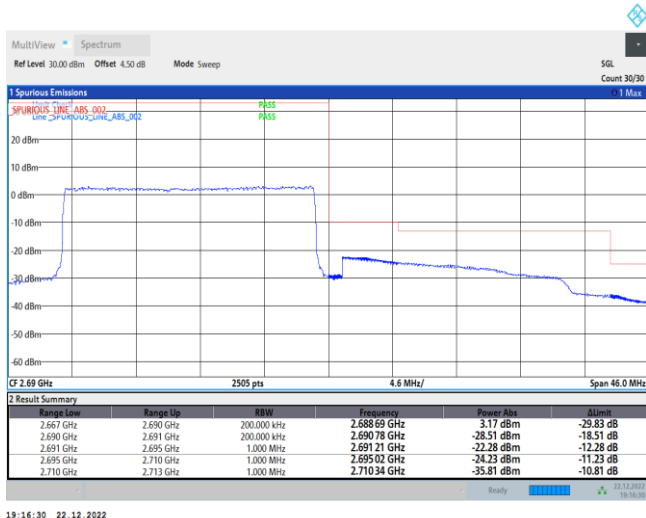
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Band41-20MHz-QPSK-41490-1RB#99



19:15:15 22.12.2022

Band41-20MHz-QPSK-41490-100RB#0



19:16:30 22.12.2022



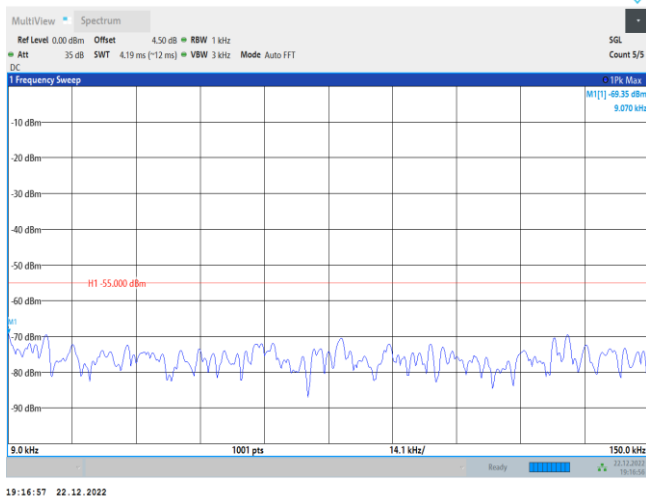
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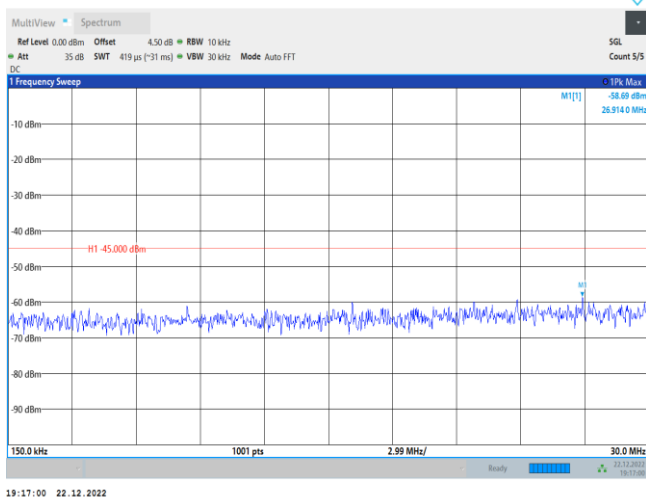
Conducted Spurious Emission

Test Graphs

Band41-20MHz-QPSK-39750-1RB#0-Range1:0.009~0.15MHz



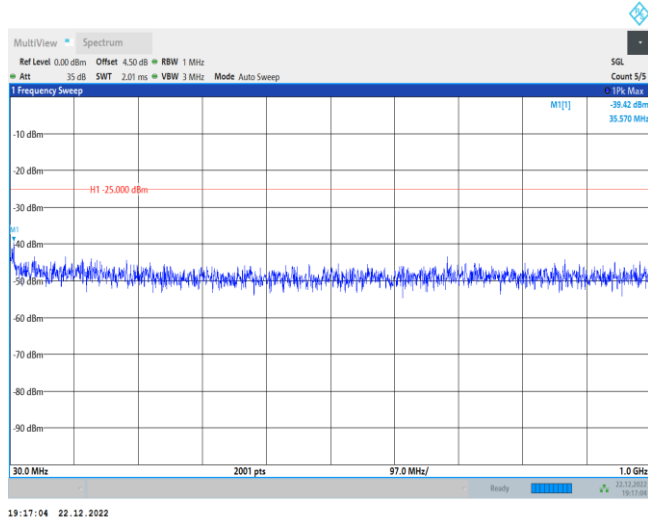
Band41-20MHz-QPSK-39750-1RB#0-Range2:0.15~30MHz



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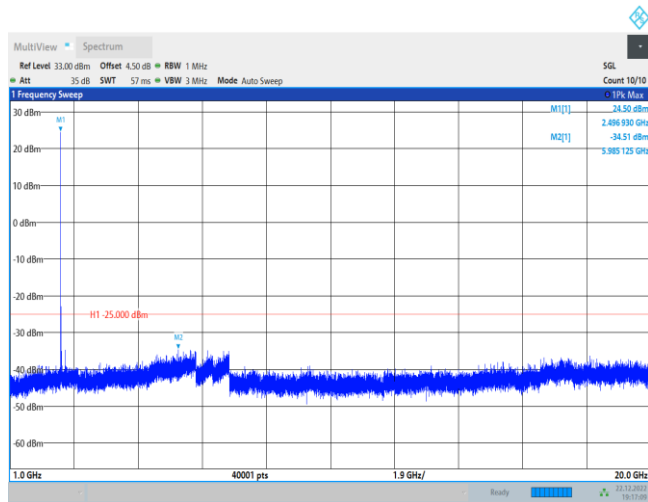
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Band41-20MHz-QPSK-39750-1RB#0-Range3:30~1000MHz



19:17:04 22.12.2022

Band41-20MHz-QPSK-39750-1RB#0-Range4:1000~20000MHz



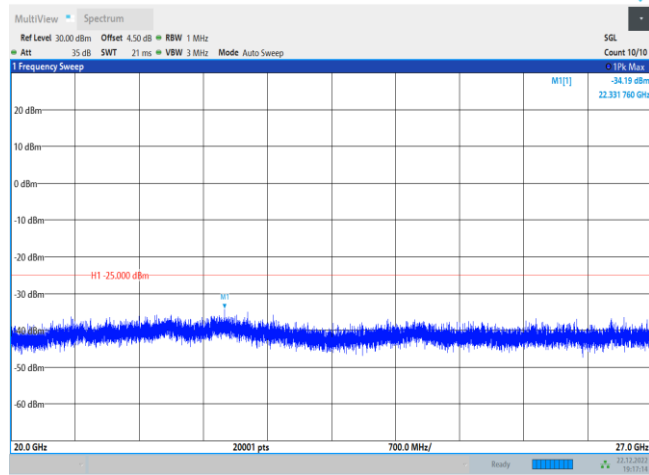
19:17:10 22.12.2022



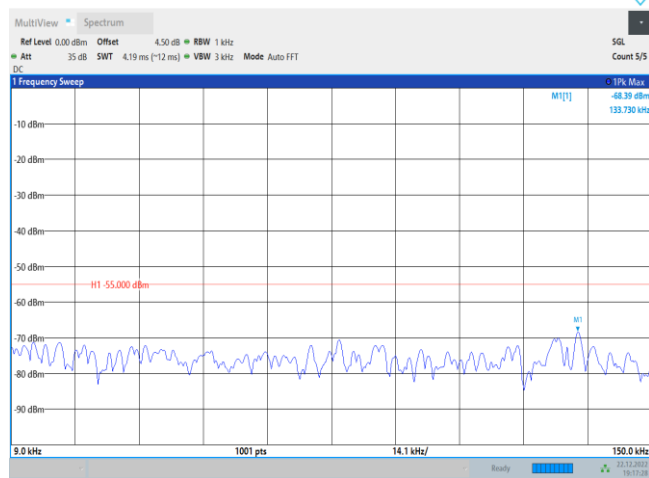
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Band41-20MHz-QPSK-39750-1RB#0-Range5:20000~27000MHz



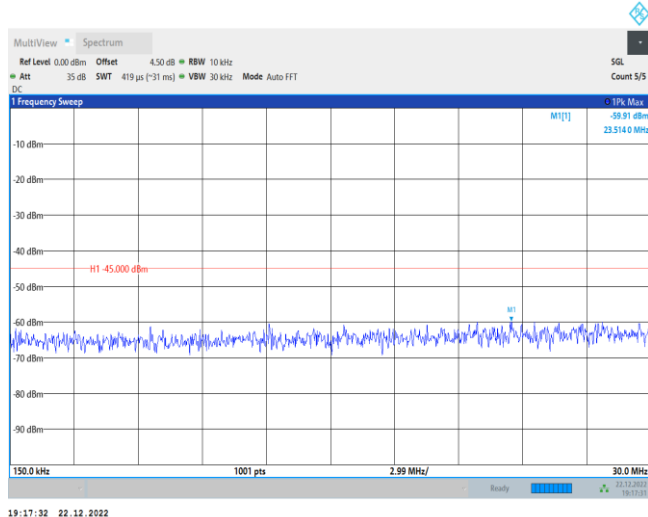
Band41-20MHz-QPSK-40620-1RB#0-Range1:0.009~0.15MHz



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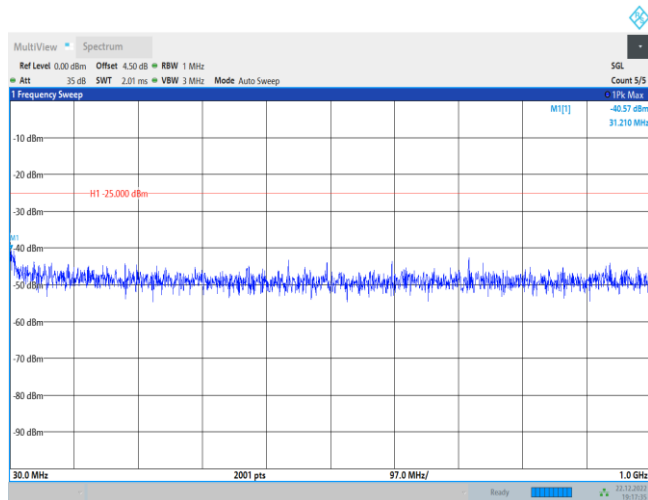
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Band41-20MHz-QPSK-40620-1RB#0-Range2:0.15~30MHz



19:17:32 22.12.2022

Band41-20MHz-QPSK-40620-1RB#0-Range3:30~1000MHz



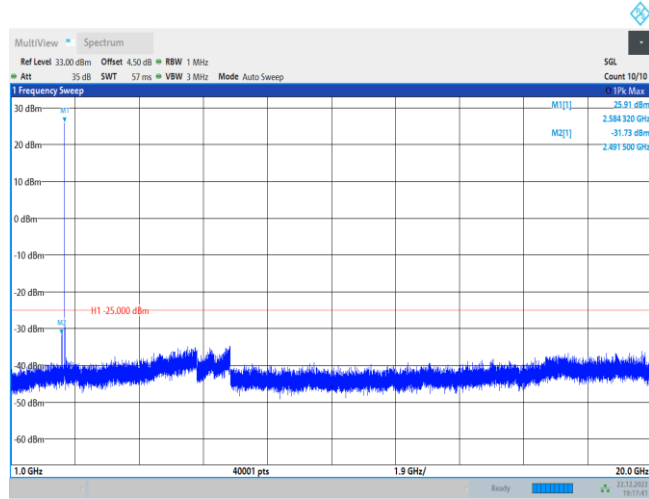
19:17:36 22.12.2022



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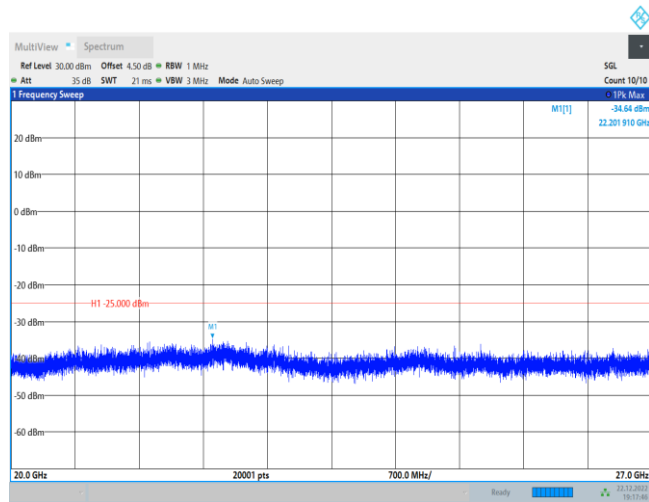
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Band41-20MHz-QPSK-40620-1RB#0-Range4:1000~20000MHz



19:17:41 22.12.2022

Band41-20MHz-QPSK-40620-1RB#0-Range5:20000~27000MHz



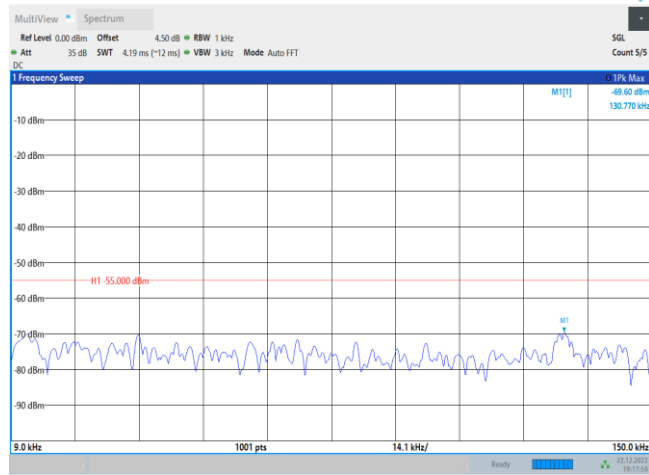
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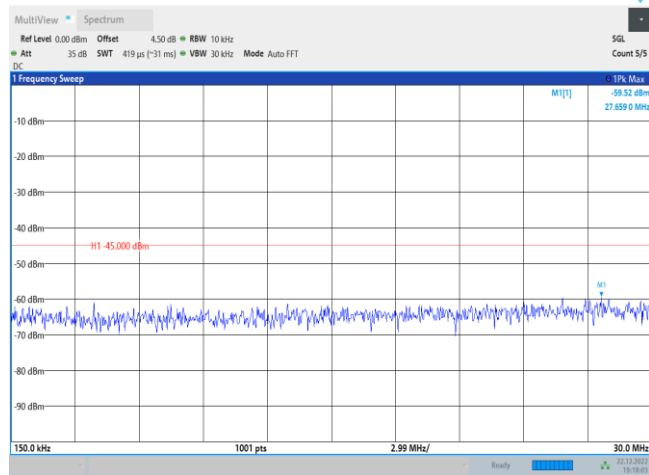
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Band41-20MHz-QPSK-41490-1RB#0-Range1:0.009~0.15MHz



19:18:00 22.12.2022

Band41-20MHz-QPSK-41490-1RB#0-Range2:0.15~30MHz



19:18:04 22.12.2022

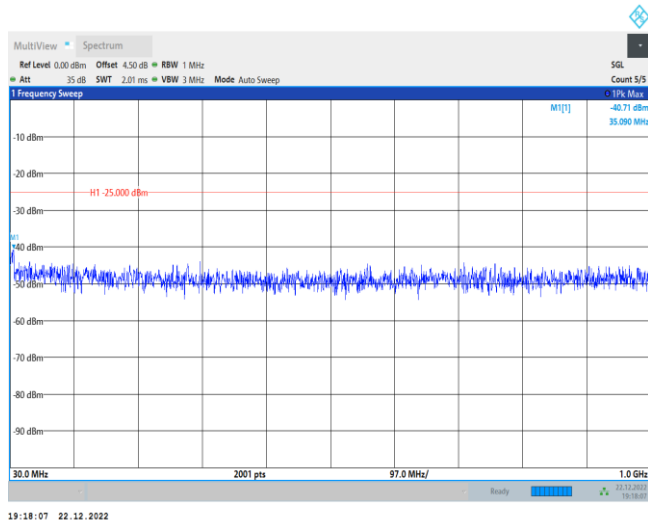


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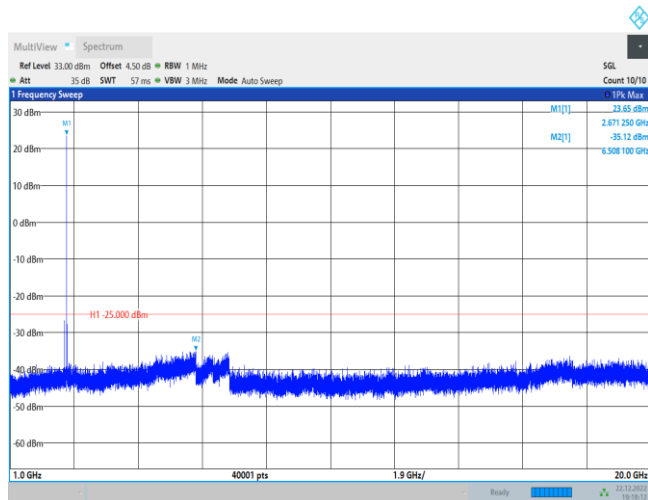
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Band41-20MHz-QPSK-41490-1RB#0-Range3:30~1000MHz



19:18:07 22.12.2022

Band41-20MHz-QPSK-41490-1RB#0-Range4:1000~20000MHz



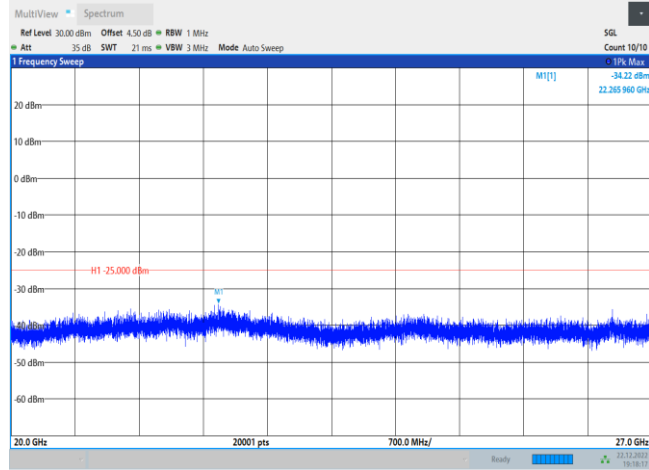
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Band41-20MHz-QPSK-41490-1RB#0-Range5:20000~27000MHz



19:18:18 22.12.2022



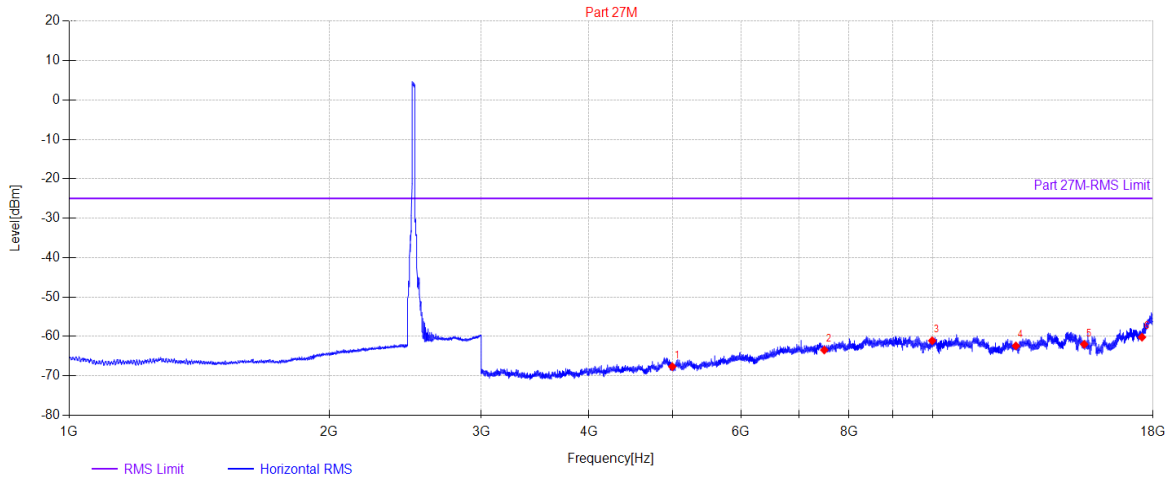
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Field Strength of Spurious Radiation

Test Band = LTE Band41_QPSK_10MHz_TM1

Test Channel = Low



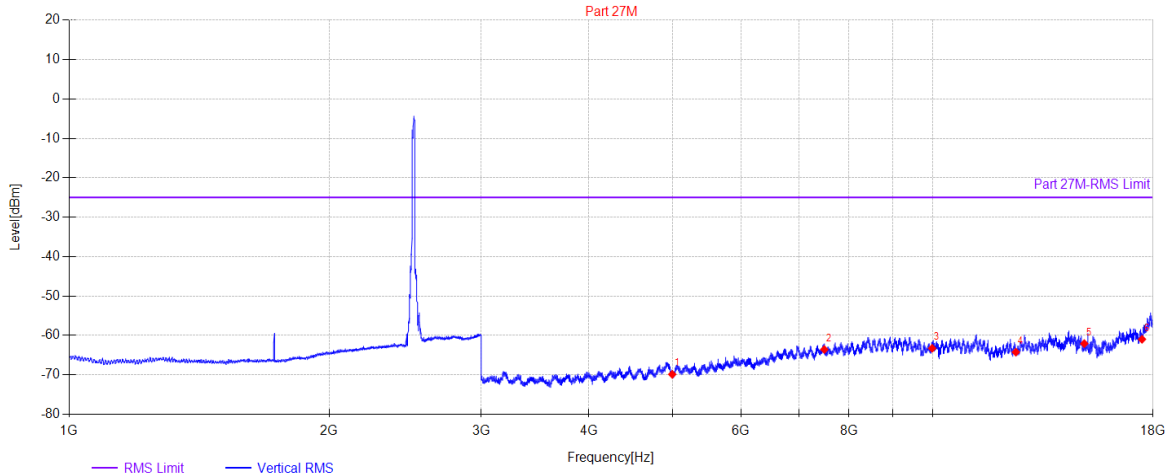
Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4994.1800	40.38	-45.63	32.86	-67.65	-25.00	42.65	178	146	Horizontal
2	7491.2700	38.54	-43.16	36.44	-63.44	-25.00	38.44	159	68	Horizontal
3	9988.3600	34.95	-39.25	38.47	-61.09	-25.00	36.09	168	255	Horizontal
4	12485.4500	30.75	-37.04	39.16	-62.39	-25.00	37.39	142	177	Horizontal
5	14982.5400	28.66	-34.64	39.26	-61.98	-25.00	36.98	136	0	Horizontal
6	17479.6300	31.04	-35.10	39.13	-60.19	-25.00	35.19	258	68	Horizontal



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Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4994.1800	38.16	-45.63	32.86	-69.87	-25.00	44.87	241	316	Vertical
2	7491.2700	38.41	-43.16	36.44	-63.57	-25.00	38.57	174	162	Vertical
3	9988.3600	32.78	-39.25	38.47	-63.26	-25.00	38.26	156	269	Vertical
4	12485.4500	28.91	-37.04	39.16	-64.23	-25.00	39.23	291	72	Vertical
5	14982.5400	28.57	-34.64	39.26	-62.07	-25.00	37.07	142	102	Vertical
6	17479.6300	30.26	-35.10	39.13	-60.97	-25.00	35.97	138	193	Vertical

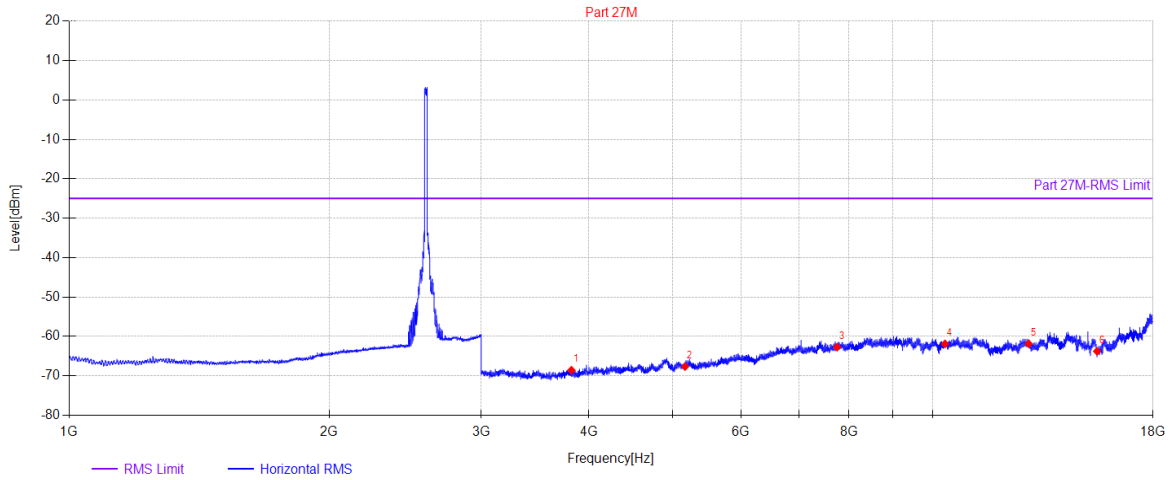


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Test Band = LTE Band41_QPSK_10MHz_TM1

Test Channel = Mid



Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3816.75	42.31	-45.98	30.37	-68.56	-25.00	43.56	178	313	Horizontal
2	5168.1800	39.96	-45.31	32.97	-67.64	-25.00	42.64	156	1	Horizontal
3	7752.2700	38.54	-42.69	36.69	-62.72	-25.00	37.72	258	25	Horizontal
4	10336.3600	33.58	-39.06	38.84	-61.90	-25.00	36.90	291	111	Horizontal
5	12920.4500	30.80	-37.16	39.75	-61.87	-25.00	36.87	174	25	Horizontal
6	15504.5400	28.28	-35.35	38.57	-63.76	-25.00	38.76	183	165	Horizontal

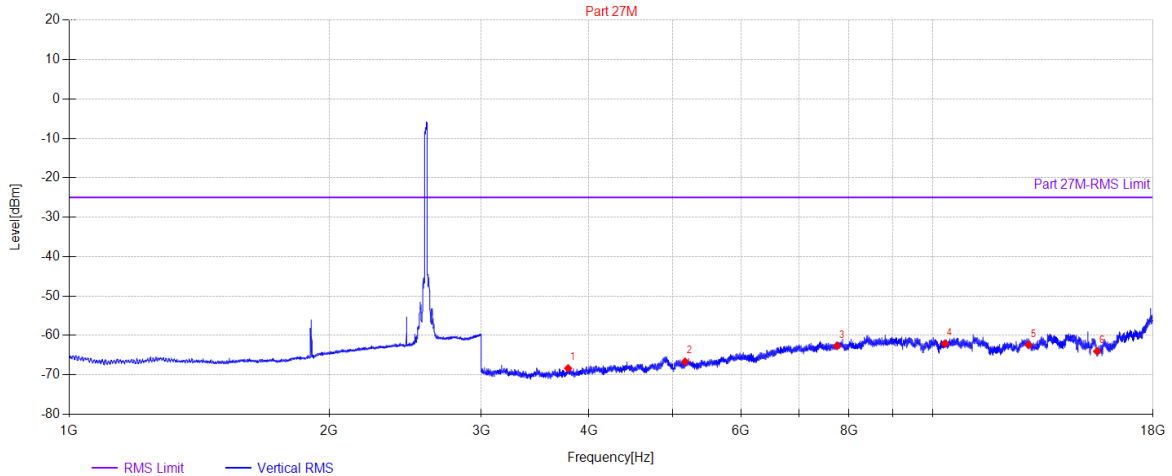


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Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3783	42.48	-45.85	30.27	-68.36	-25.00	43.36	148	178	Vertical
2	5168.1800	40.93	-45.31	32.97	-66.67	-25.00	41.67	152	215	Vertical
3	7752.2700	38.61	-42.69	36.69	-62.65	-25.00	37.65	261	248	Vertical
4	10336.3600	33.40	-39.06	38.84	-62.08	-25.00	37.08	199	111	Vertical
5	12920.4500	30.24	-37.16	39.75	-62.43	-25.00	37.43	174	269	Vertical
6	15504.5400	28.01	-35.35	38.57	-64.03	-25.00	39.03	153	111	Vertical



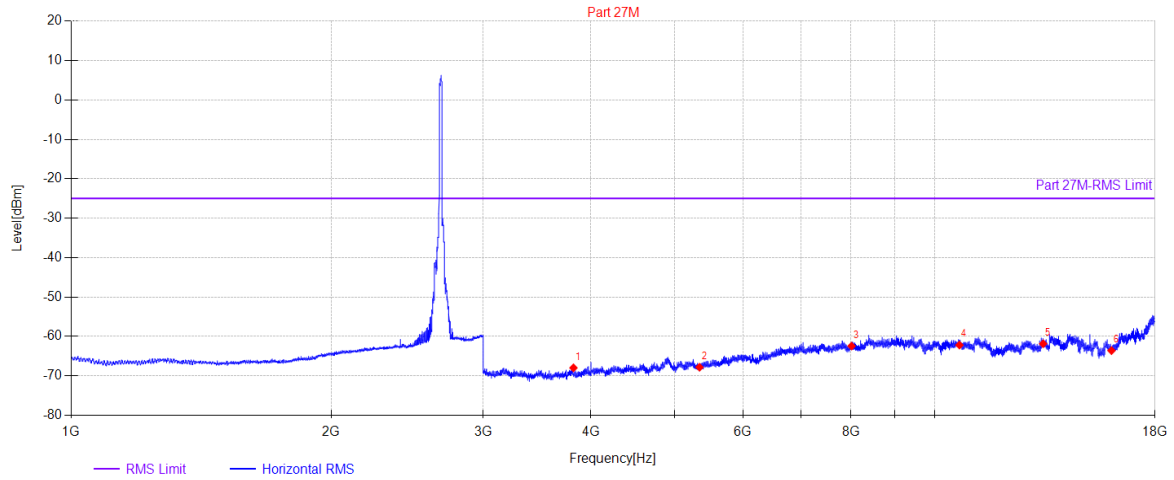
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Test Band = LTE Band41_QPSK_10MHz_TM1

Test Channel = High



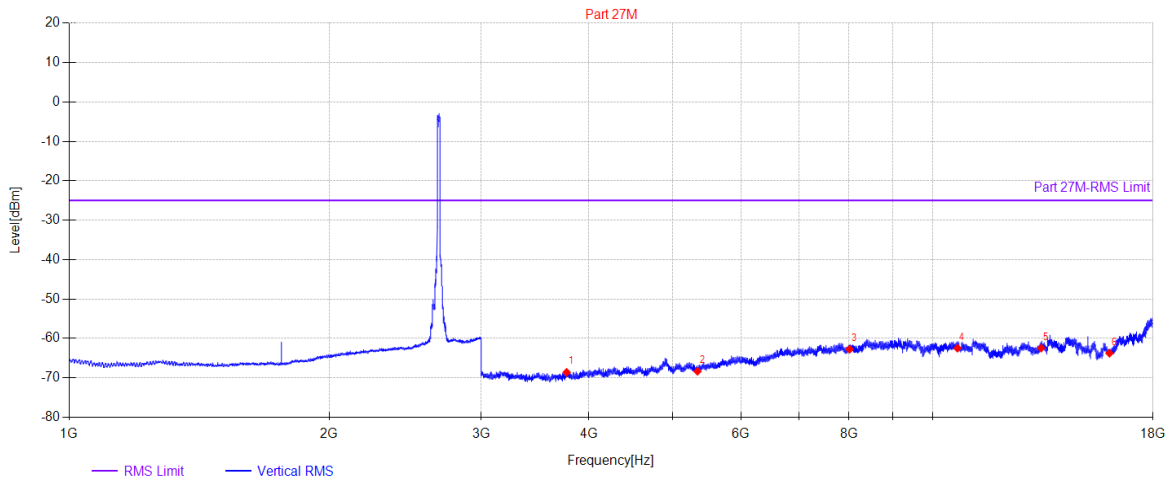
Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3817.5	42.90	-45.98	30.37	-67.97	-25.00	42.97	236	346	Horizontal
2	5342.1800	39.77	-45.18	32.85	-67.81	-25.00	42.81	211	178	Horizontal
3	8013.2700	38.02	-42.21	37.01	-62.44	-25.00	37.44	148	346	Horizontal
4	10684.3600	31.91	-37.97	39.13	-62.19	-25.00	37.19	175	0	Horizontal
5	13355.4500	29.87	-36.56	40.10	-61.85	-25.00	36.85	149	239	Horizontal
6	16026.5400	28.71	-34.85	37.83	-63.58	-25.00	38.58	128	102	Horizontal



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Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3768	42.23	-45.79	30.21	-68.60	-25.00	43.60	178	115	Vertical
2	5342.1800	39.24	-45.18	32.85	-68.34	-25.00	43.34	148	248	Vertical
3	8013.2700	37.73	-42.21	37.01	-62.73	-25.00	37.73	159	84	Vertical
4	10684.3600	31.63	-37.97	39.13	-62.47	-25.00	37.47	132	207	Vertical
5	13355.4500	29.25	-36.56	40.10	-62.47	-25.00	37.47	155	285	Vertical
6	16026.5400	28.55	-34.85	37.83	-63.74	-25.00	38.74	162	284	Vertical

Remark:

- The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:
 $AF = \text{Antenna Factor (dB/m)}$
 $\text{Factor} = \text{Cable Factor (dB)} - \text{Preamplifier (dB)}$
 $\text{Level} = \text{Reading Level} + AF + \text{Factor} - 95.26$
 $\text{Margin} = \text{Limit} - \text{Level}$



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Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band41	20MHz	QPSK	40620	100RB#0	VL	NT	0.00	0.000000	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	-1.70	-0.000656	PASS
Band41	20MHz	QPSK	40620	100RB#0	VH	NT	-1.30	-0.000501	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band41	20MHz	QPSK	40620	100RB#0	NV	-30	-0.90	-0.000347	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	-0.50	-0.000193	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	-0.20	-0.000077	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	-3.50	-0.001350	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	-0.20	-0.000077	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	-3.10	-0.001196	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	0.10	0.000039	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	-1.80	-0.000694	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	-1.10	-0.000424	PASS

---End of Attachment---



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