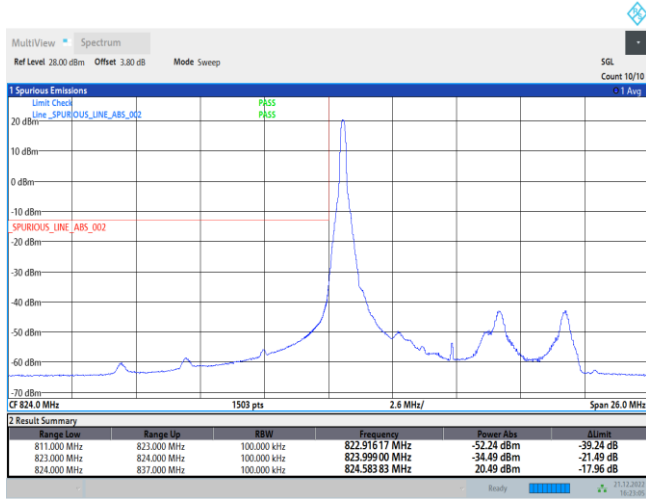
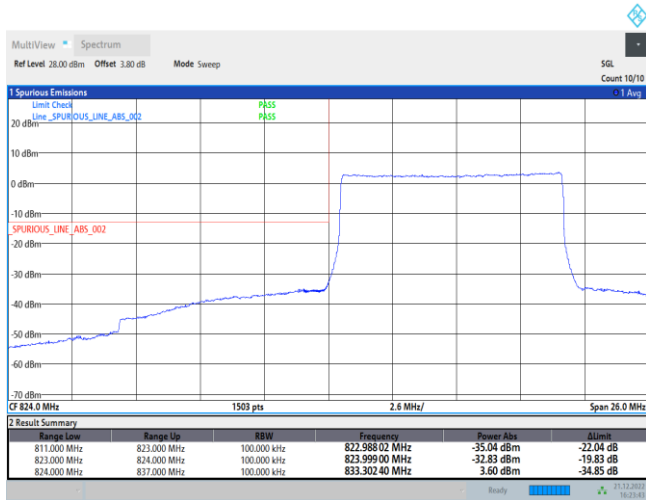


Band5-10MHz-QPSK-20450-1RB#0



16:23:06 21.12.2022

Band5-10MHz-QPSK-20450-50RB#0



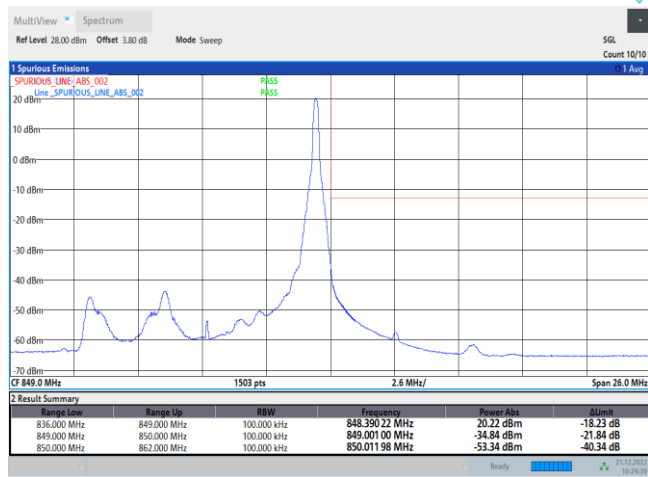
16:23:43 21.12.2022



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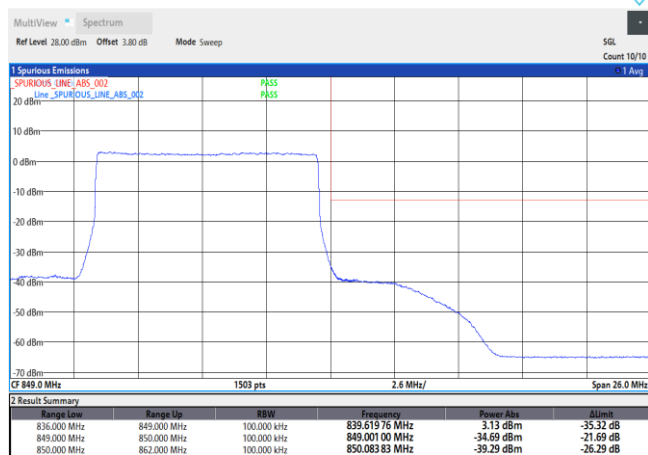
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Band5-10MHz-QPSK-20600-1RB#49



16:24:39 21.12.2022

Band5-10MHz-QPSK-20600-50RB#0



16:25:16 21.12.2022



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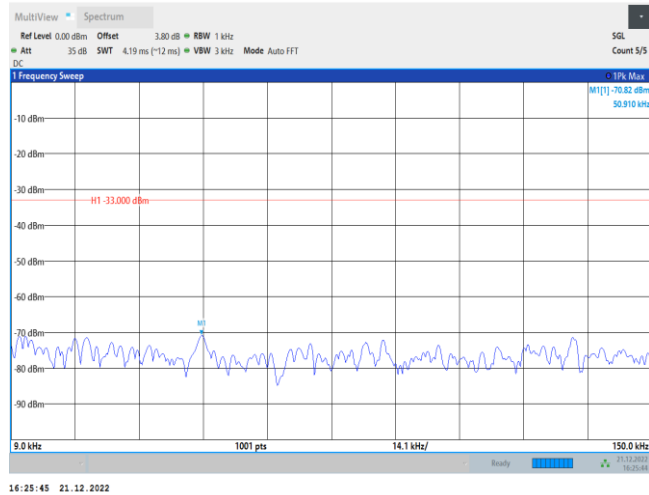
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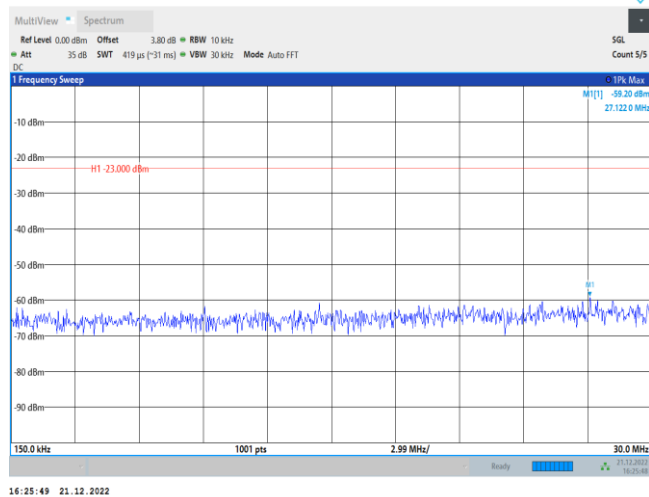
Conducted Spurious Emission

Test Graphs

Band5-10MHz-QPSK-20450-1RB#0-Range1:0.009~0.15MHz



Band5-10MHz-QPSK-20450-1RB#0-Range2:0.15~30MHz

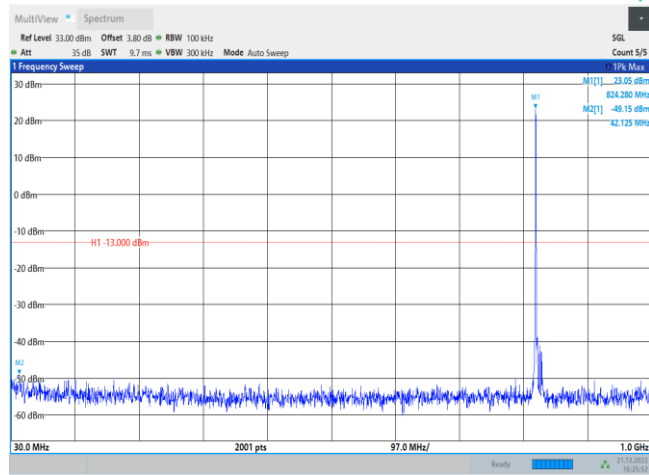


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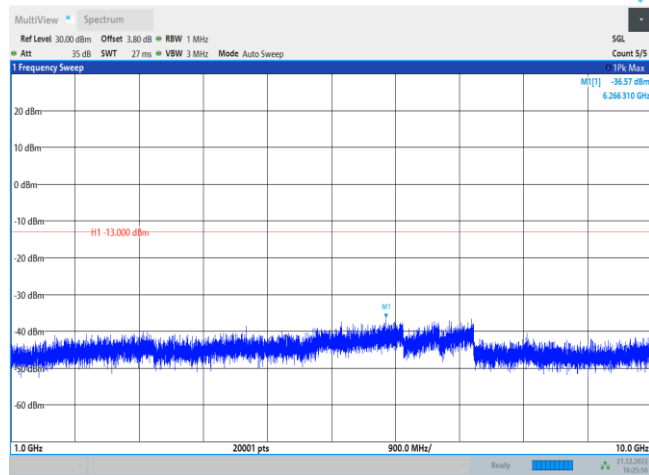
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Band5-10MHz-QPSK-20450-1RB#0-Range3:30~1000MHz



16:25:53 21.12.2022

Band5-10MHz-QPSK-20450-1RB#0-Range4:1000~10000MHz



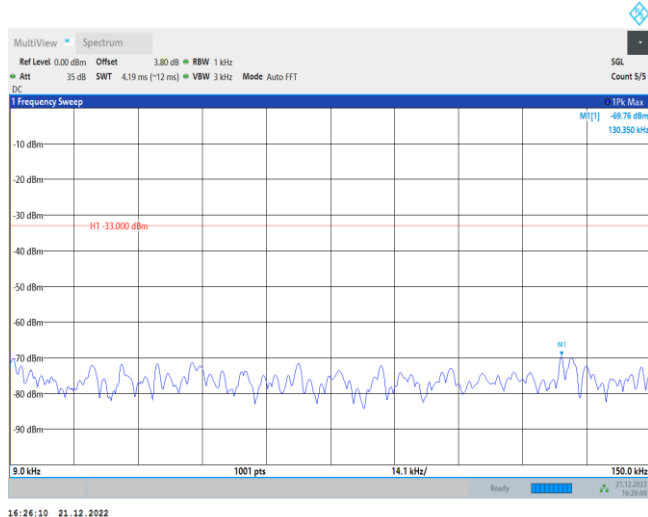
16:25:57 21.12.2022



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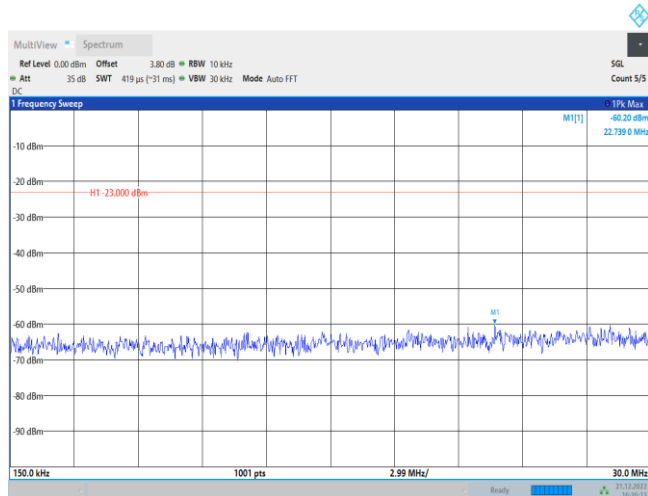
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Band5-10MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



16:26:10 21.12.2022

Band5-10MHz-QPSK-20525-1RB#0-Range2:0.15~30MHz



16:26:14 21.12.2022

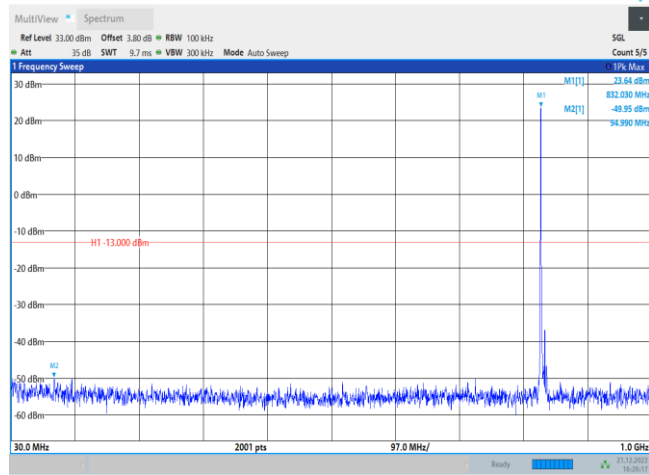


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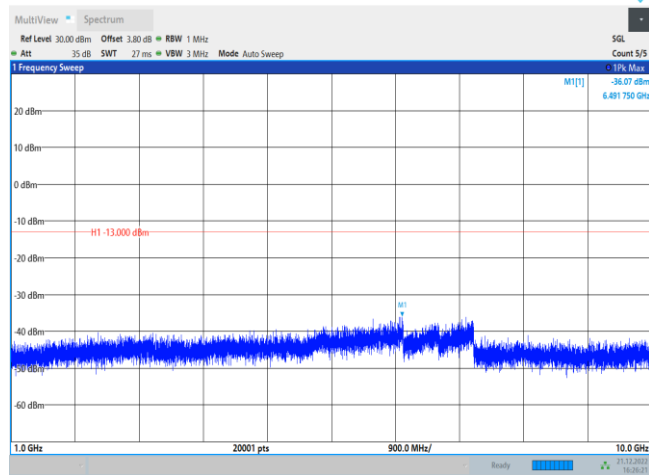
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Band5-10MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



16:26:18 21.12.2022

Band5-10MHz-QPSK-20525-1RB#0-Range4:1000~10000MHz



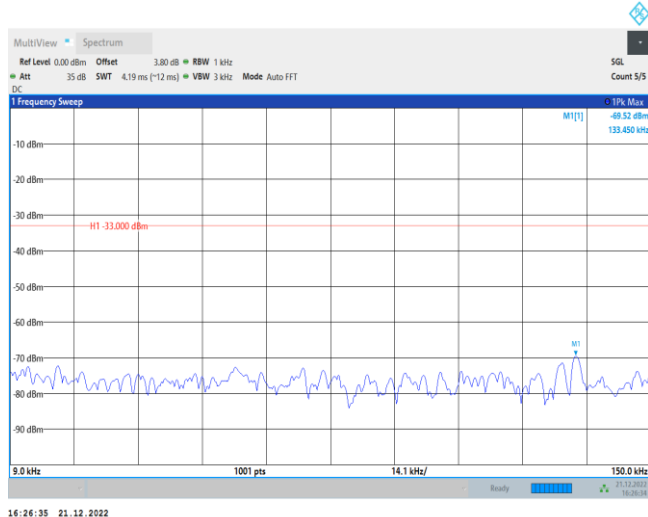
16:26:22 21.12.2022



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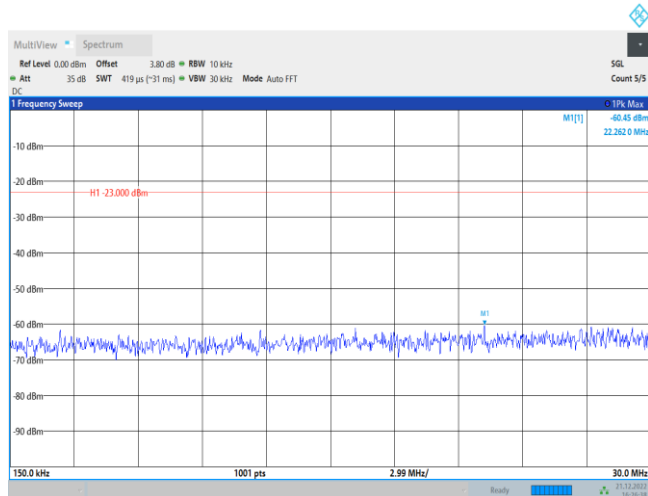
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Band5-10MHz-QPSK-20600-1RB#0-Range1:0.009~0.15MHz



16:26:35 21.12.2022

Band5-10MHz-QPSK-20600-1RB#0-Range2:0.15~30MHz



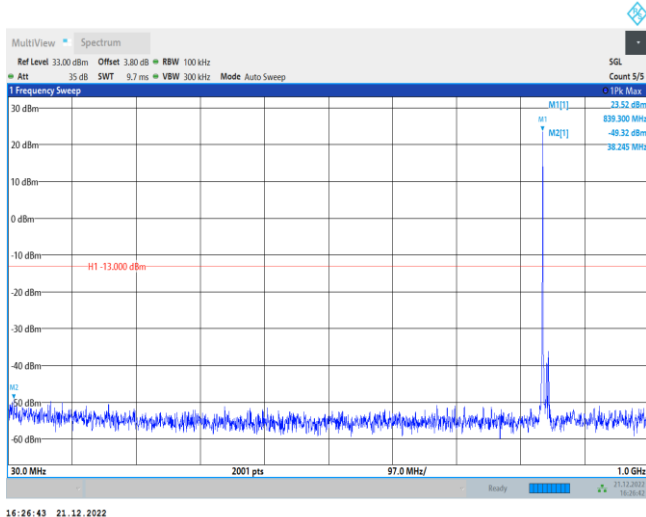
16:26:39 21.12.2022



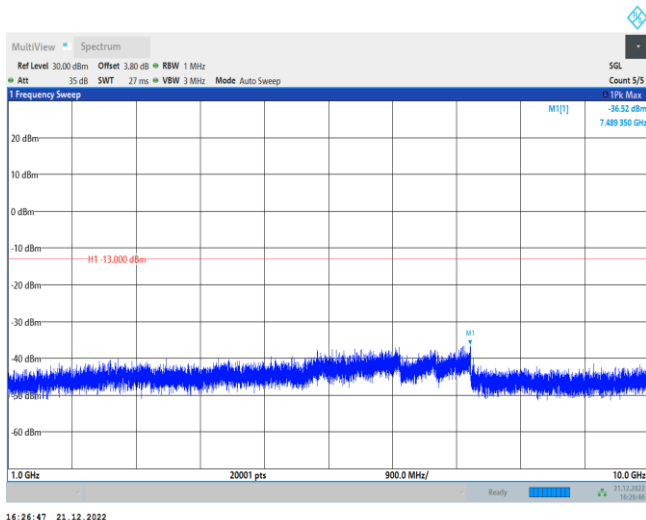
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Band5-10MHz-QPSK-20600-1RB#0-Range3:30~1000MHz



Band5-10MHz-QPSK-20600-1RB#0-Range4:1000~10000MHz



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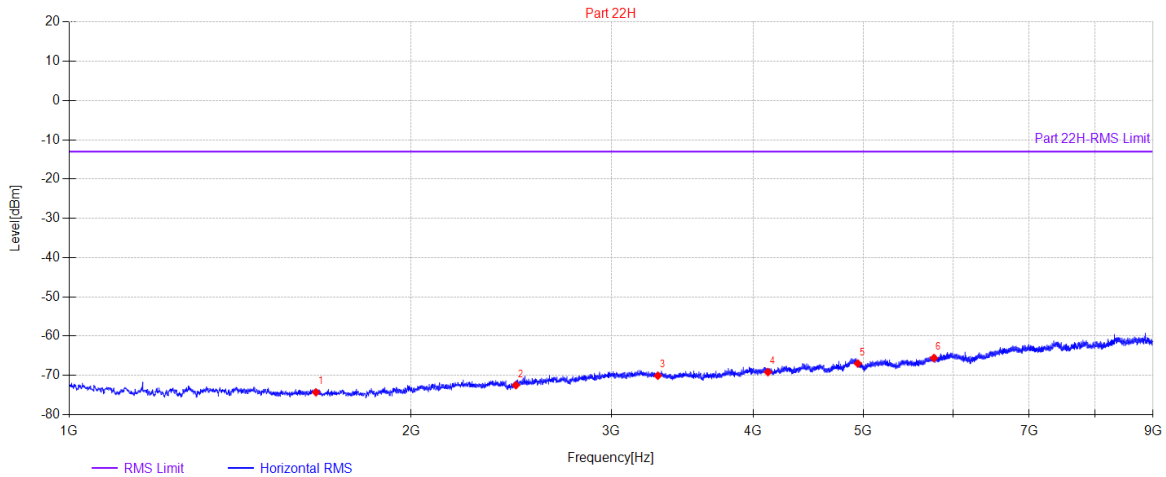
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Field Strength of Spurious Radiation

Test Band = LTE Band5_QPSK_3MHz_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	1649.1800	43.80	-48.22	25.37	-74.31	-13.00	61.31	254	53	Horizontal
2	2473.7700	42.40	-47.32	27.69	-72.49	-13.00	59.49	168	324	Horizontal
3	3298.3600	42.31	-46.68	29.56	-70.07	-13.00	57.07	125	25	Horizontal
4	4122.9500	41.02	-45.91	30.99	-69.17	-13.00	56.17	136	39	Horizontal
5	4947.5400	41.24	-45.69	32.73	-66.98	-13.00	53.98	291	358	Horizontal
6	5772.1300	40.68	-44.64	33.65	-65.57	-13.00	52.57	144	25	Horizontal

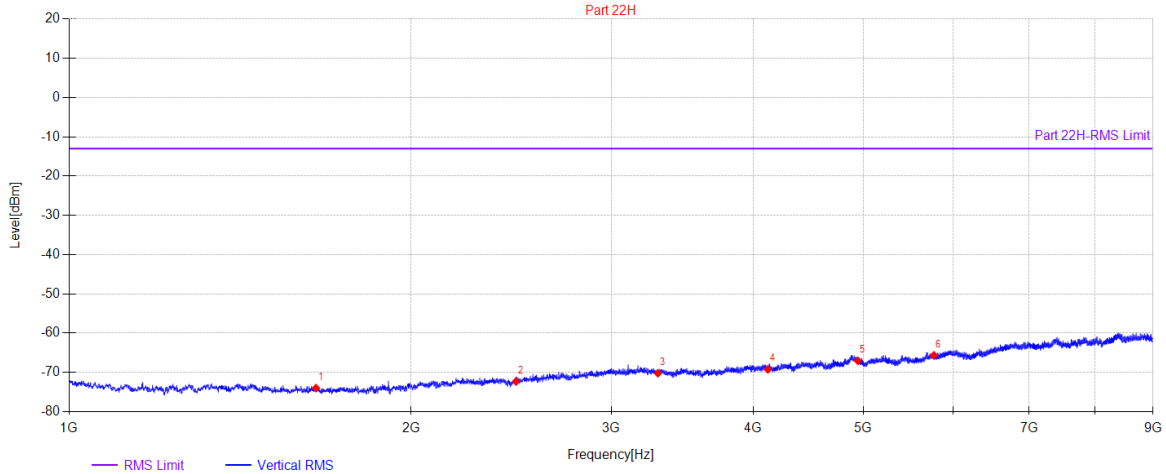


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Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1649.1800	44.13	-48.22	25.37	-73.98	-13.00	60.98	148	0	Vertical
2	2473.7700	42.58	-47.32	27.69	-72.31	-13.00	59.31	195	356	Vertical
3	3298.3600	42.16	-46.68	29.56	-70.22	-13.00	57.22	174	319	Vertical
4	4122.9500	40.95	-45.91	30.99	-69.24	-13.00	56.24	152	122	Vertical
5	4947.5400	41.17	-45.69	32.73	-67.05	-13.00	54.05	136	279	Vertical
6	5772.1300	40.60	-44.64	33.65	-65.65	-13.00	52.65	211	266	Vertical

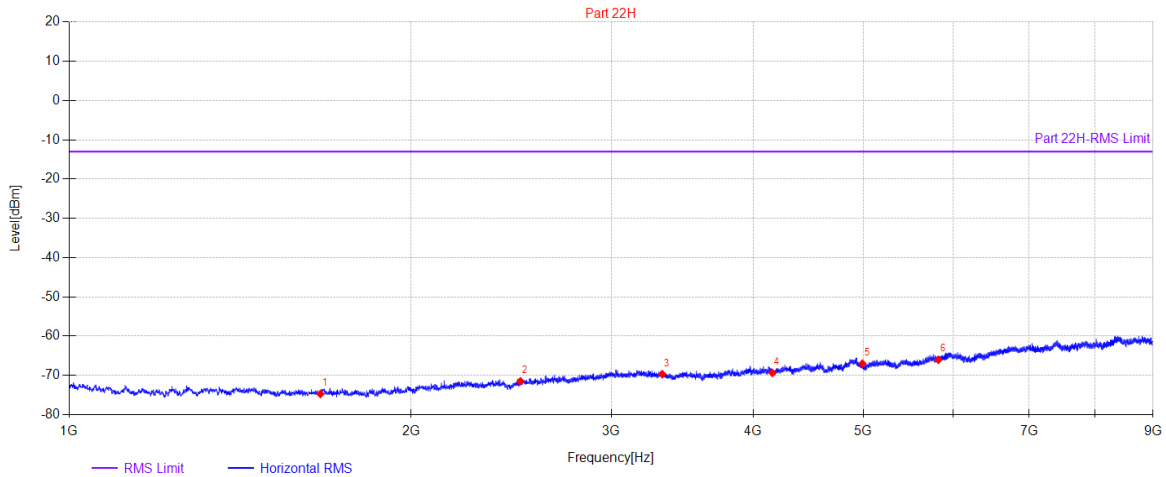


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Test Band = LTE Band5_QPSK_3MHz_TM1
Test Channel = Mid

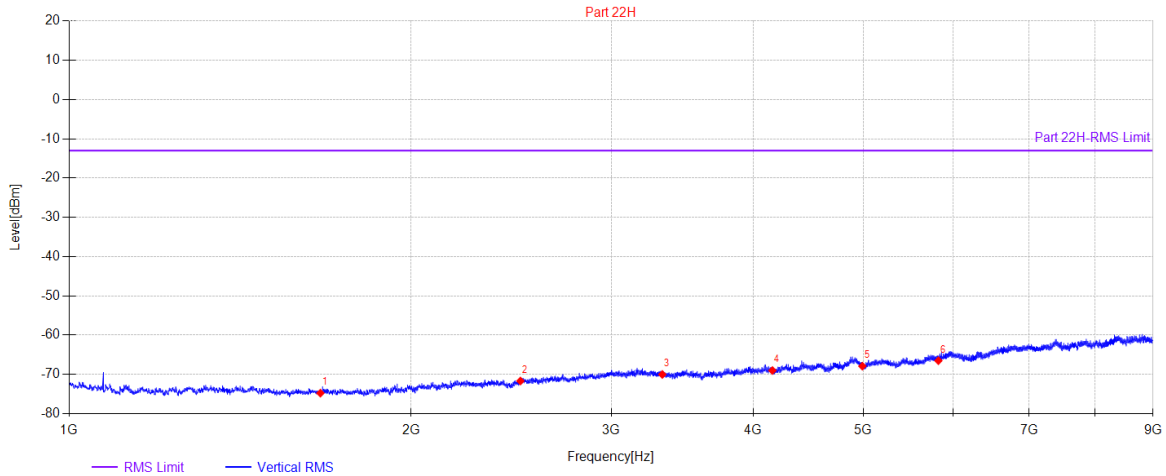


Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664.1800	43.37	-48.20	25.38	-74.72	-13.00	61.72	248	40	Horizontal
2	2496.2700	43.26	-47.28	27.76	-71.52	-13.00	58.52	169	243	Horizontal
3	3328.3600	42.69	-46.64	29.52	-69.69	-13.00	56.69	192	3	Horizontal
4	4160.4500	40.80	-45.94	31.04	-69.36	-13.00	56.36	174	26	Horizontal
5	4992.5400	41.20	-45.79	32.86	-66.99	-13.00	53.99	153	283	Horizontal
6	5824.6300	40.18	-44.74	33.80	-66.02	-13.00	53.02	211	324	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	1664.1800	43.32	-48.20	25.38	-74.77	-13.00	61.77	278	356	Vertical
2	2496.2700	43.10	-47.28	27.76	-71.68	-13.00	58.68	129	266	Vertical
3	3328.3600	42.37	-46.64	29.52	-70.01	-13.00	57.01	133	13	Vertical
4	4160.4500	41.16	-45.94	31.04	-69.00	-13.00	56.00	254	294	Vertical
5	4992.5400	40.30	-45.79	32.86	-67.89	-13.00	54.89	162	280	Vertical
6	5824.6300	39.69	-44.74	33.80	-66.51	-13.00	53.51	199	130	Vertical

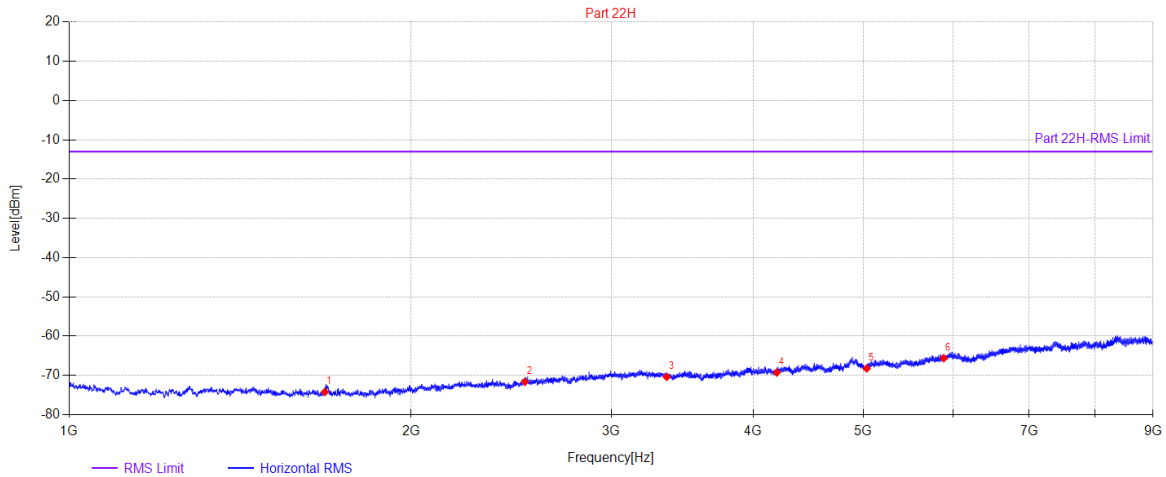


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Test Band = LTE Band5_QPSK_3MHz_TM1
Test Channel = High

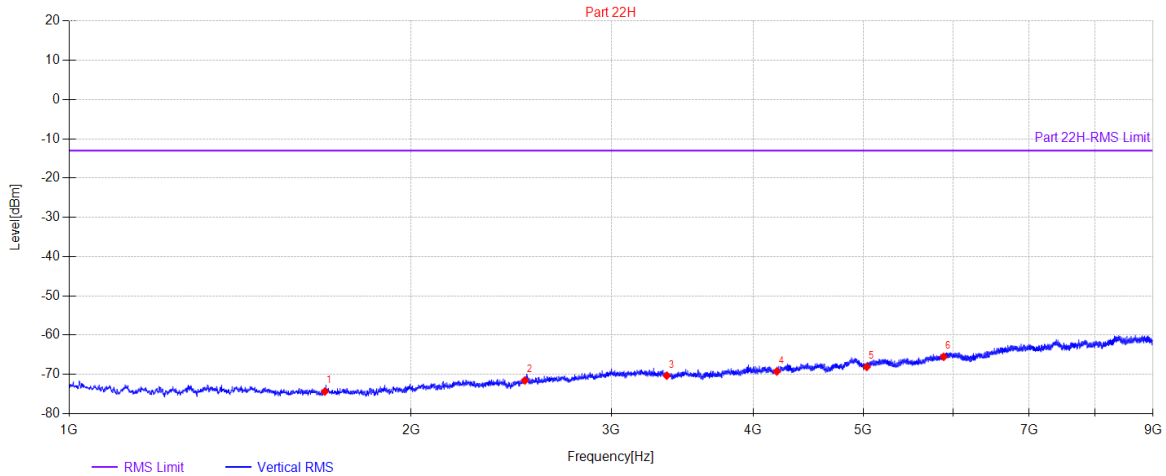


Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1679.1800	43.82	-48.18	25.38	-74.24	-13.00	61.24	247	12	Horizontal
2	2518.7700	42.99	-47.21	27.83	-71.64	-13.00	58.64	189	359	Horizontal
3	3358.3600	41.99	-46.60	29.48	-70.39	-13.00	57.39	199	360	Horizontal
4	4197.9500	40.85	-45.96	31.10	-69.27	-13.00	56.27	145	270	Horizontal
5	5037.5400	39.80	-45.65	32.90	-68.21	-13.00	55.21	168	283	Horizontal
6	5887.1300	40.65	-44.93	33.92	-65.62	-13.00	52.62	241	148	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	1679.1800	43.69	-48.18	25.38	-74.37	-13.00	61.37	241	0	Vertical
2	2518.7700	43.07	-47.21	27.83	-71.56	-13.00	58.56	122	240	Vertical
3	3358.3600	42.06	-46.60	29.48	-70.32	-13.00	57.32	136	240	Vertical
4	4197.9500	40.85	-45.96	31.10	-69.27	-13.00	56.27	251	159	Vertical
5	5037.5400	39.92	-45.65	32.90	-68.09	-13.00	55.09	199	147	Vertical
6	5887.1300	40.75	-44.93	33.92	-65.52	-13.00	52.52	174	173	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



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Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	0.40	0.000478	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	-2.10	-0.002510	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	0.10	0.000120	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	-0.20	-0.000239	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-0.30	-0.000359	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-0.10	-0.000120	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-0.40	-0.000478	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-1.40	-0.001674	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-1.80	-0.002152	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-0.80	-0.000956	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-0.30	-0.000359	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-0.70	-0.000837	±2.5	PASS

---End of Attachment---



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