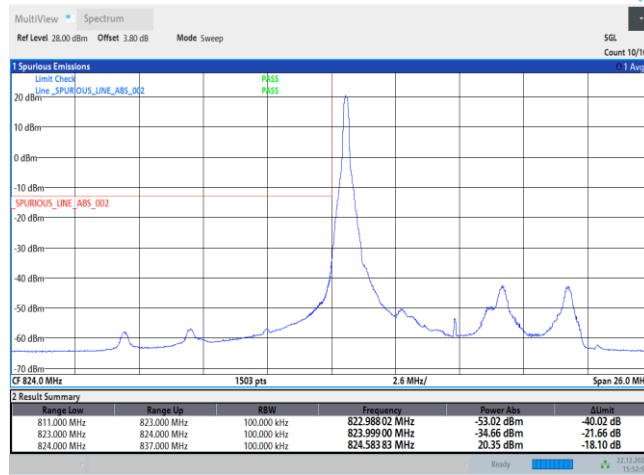
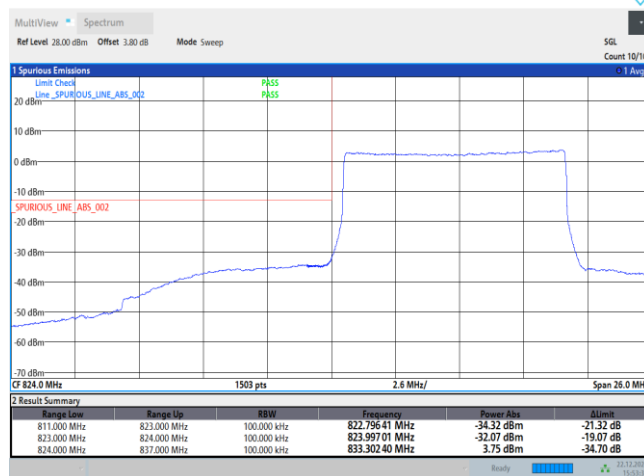


Band5-10MHz-QPSK-20450-1RB#0



15:52:59 22.12.2022

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



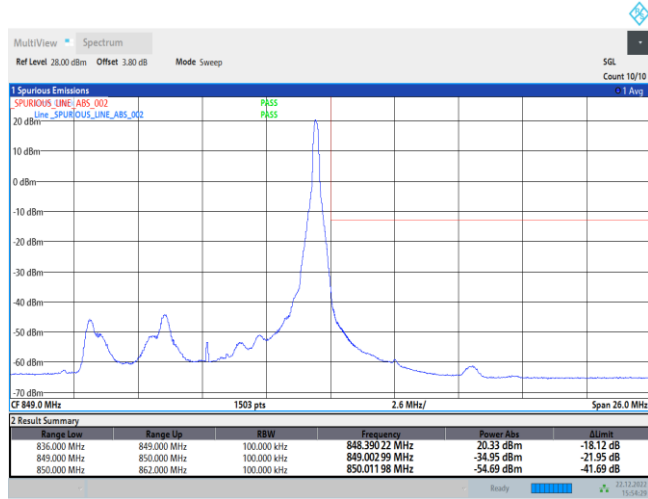
15:53:36 22.12.2022



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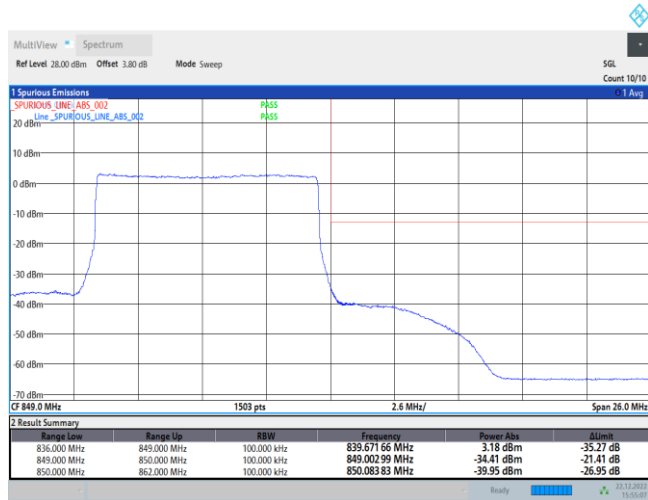
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Band5-10MHz-QPSK-20600-1RB#49



15:54:30 22.12.2022

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



15:55:07 22.12.2022



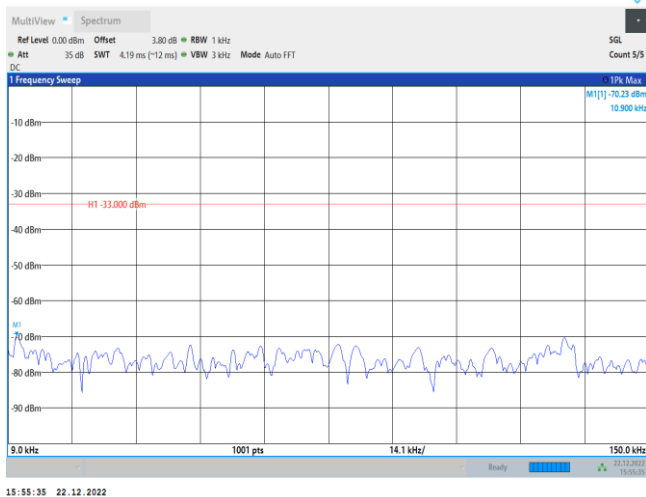
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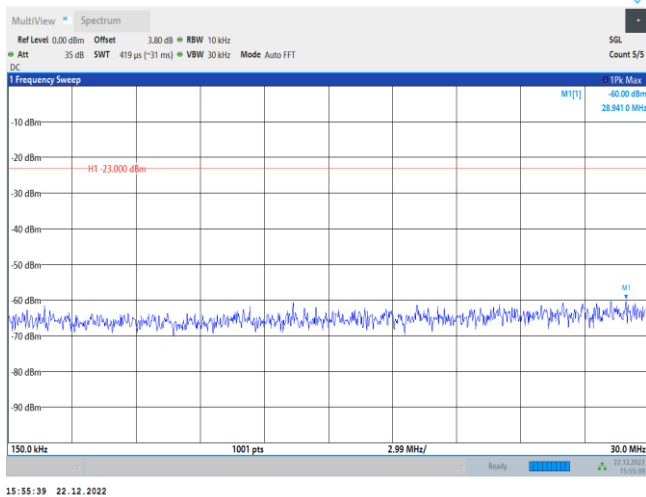
## Conducted Spurious Emission

### Test Graphs

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



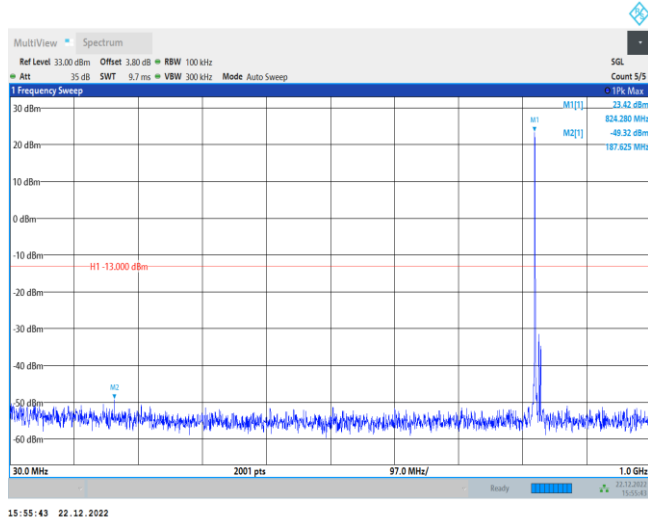
Band5-10MHz-QPSK-20450-1RB#0-Range2:0.15~30MHz



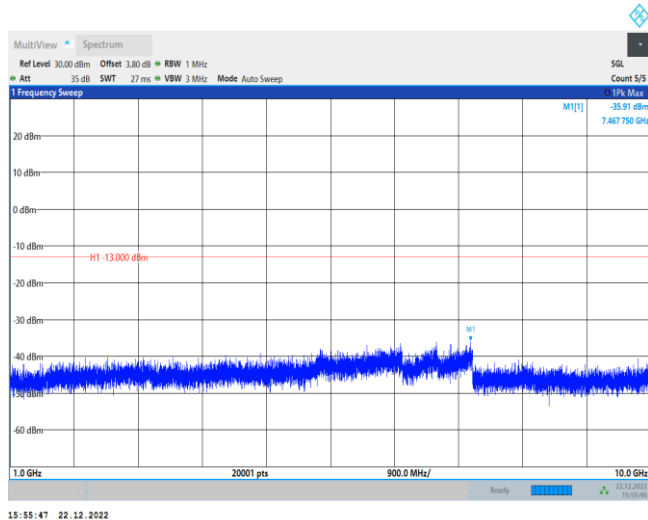
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Band5-10MHz-QPSK-20450-1RB#0-Range3:30~1000MHz



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

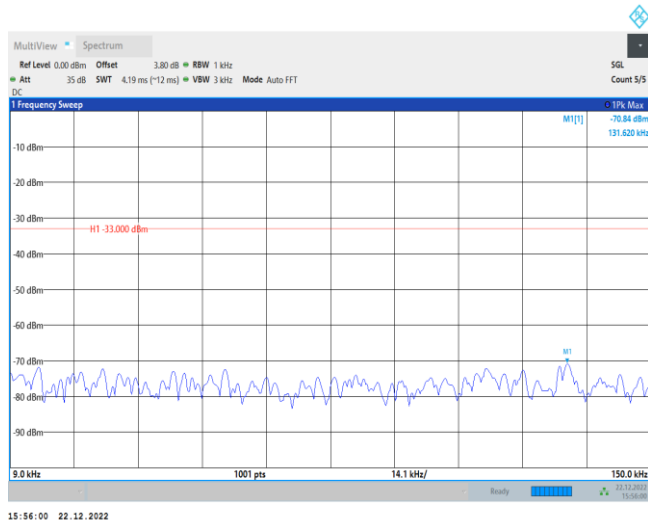


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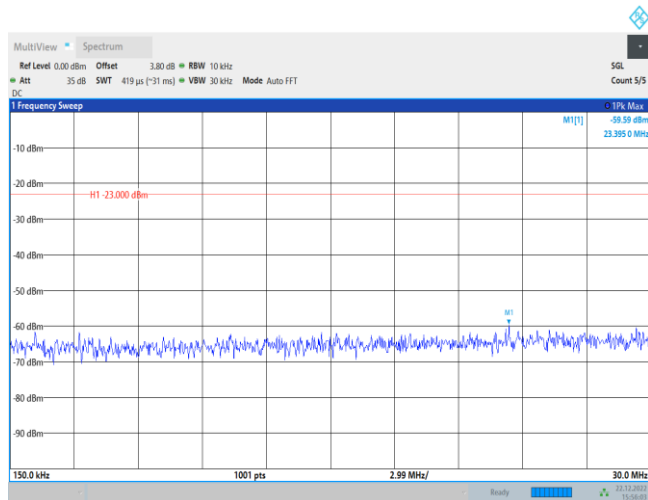
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Band5-10MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



15:56:00 22.12.2022

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



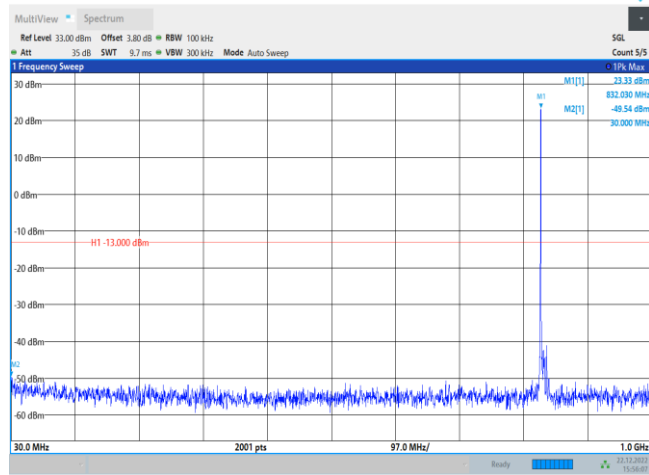
15:56:04 22.12.2022



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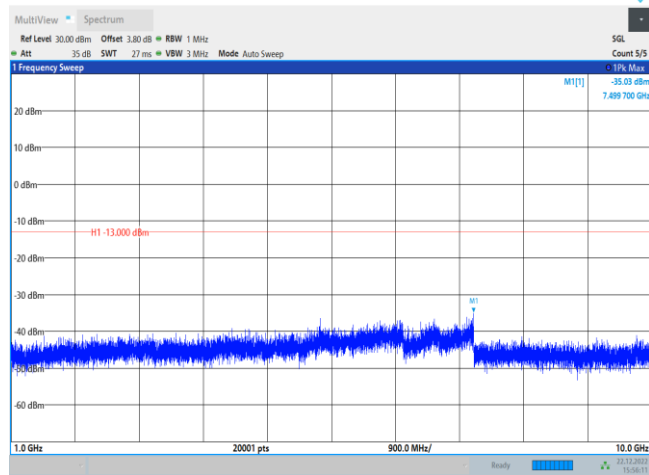
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Band5-10MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



15:56:08 22.12.2022

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



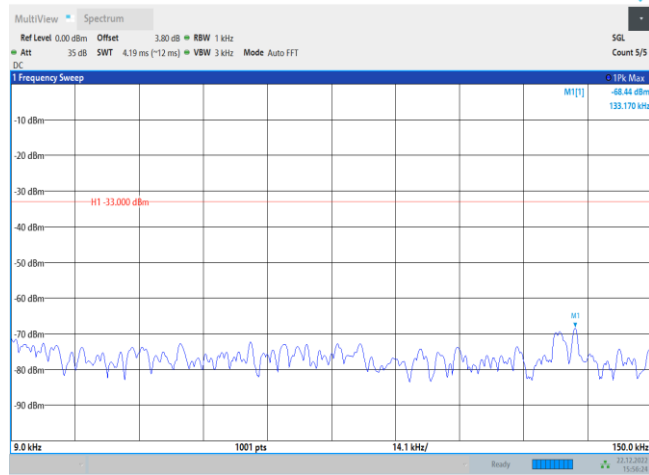
15:56:12 22.12.2022



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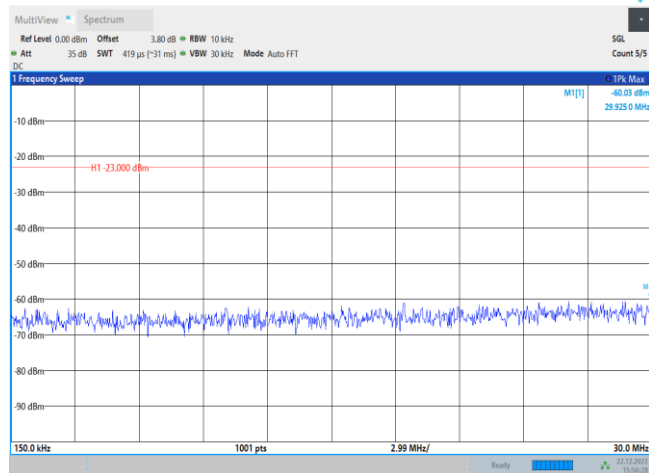
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Band5-10MHz-QPSK-20600-1RB#0-Range1:0.009~0.15MHz



15:56:25 22.12.2022

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



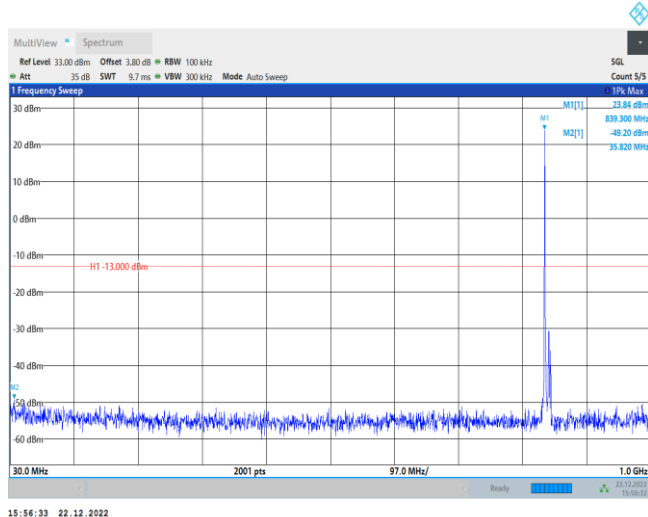
15:56:29 22.12.2022



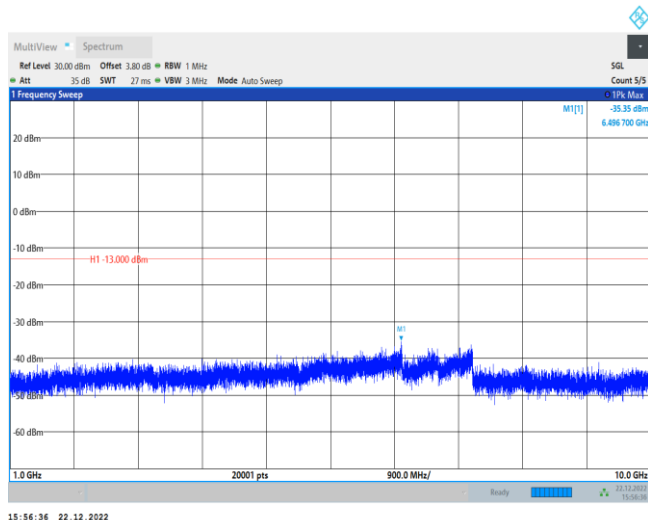
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Band5-10MHz-QPSK-20600-1RB#0-Range3:30~1000MHz



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



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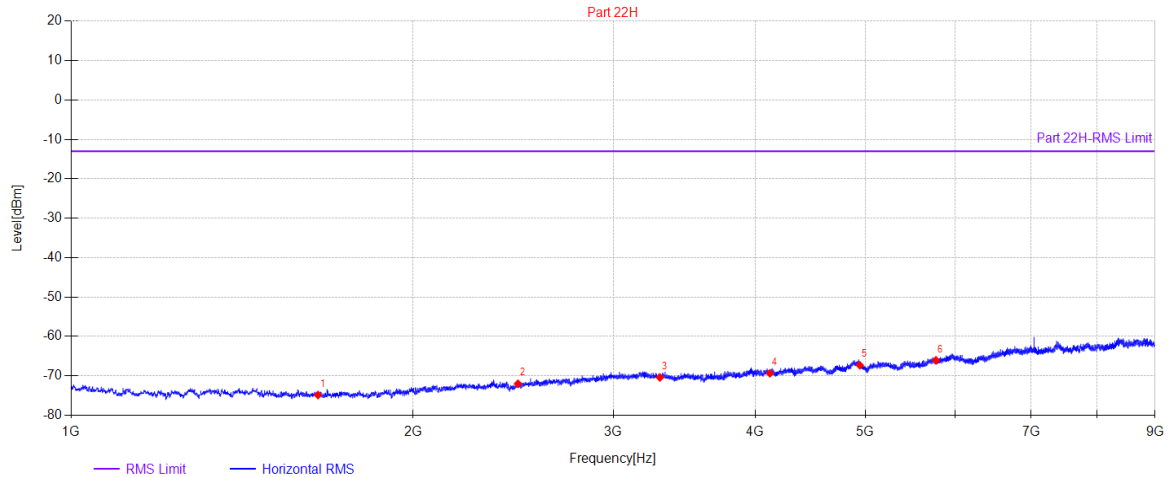
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## Field Strength of Spurious Radiation

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	43.25	-48.22	25.37	-74.86	-13.00	61.86	256	255	Horizontal
2	2473.7700	42.89	-47.32	27.69	-72.00	-13.00	59.00	128	12	Horizontal
3	3298.3600	41.98	-46.68	29.56	-70.40	-13.00	57.40	145	335	Horizontal
4	4122.9500	40.84	-45.91	30.99	-69.35	-13.00	56.35	291	360	Horizontal
5	4947.5400	40.90	-45.69	32.73	-67.32	-13.00	54.32	166	352	Horizontal
6	5772.1300	40.19	-44.64	33.65	-66.06	-13.00	53.06	211	12	Horizontal

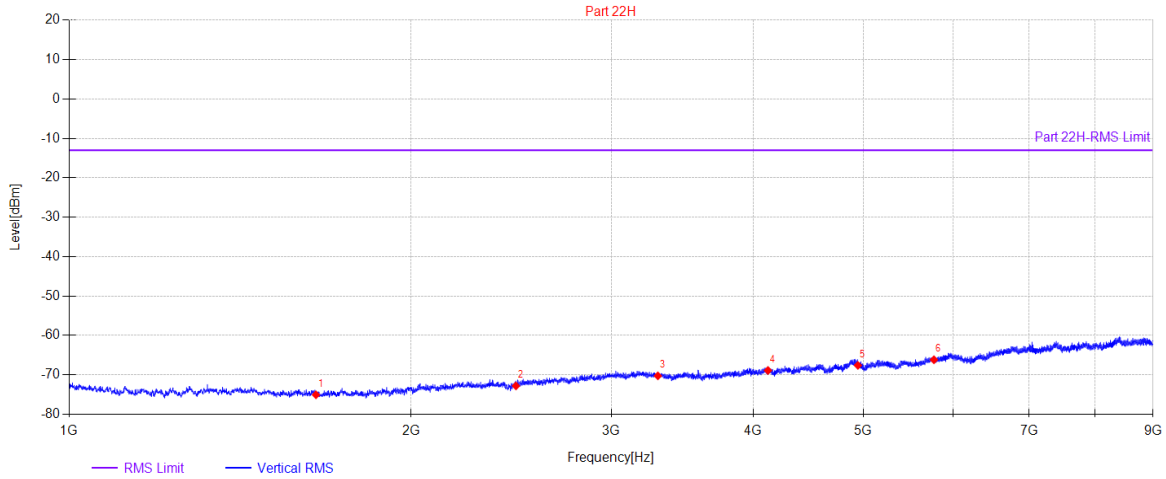


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Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1649.1800	43.05	-48.22	25.37	-75.06	-13.00	62.06	125	118	Vertical
2	2473.7700	42.09	-47.32	27.69	-72.80	-13.00	59.80	145	0	Vertical
3	3298.3600	42.13	-46.68	29.56	-70.25	-13.00	57.25	195	7	Vertical
4	4122.9500	41.31	-45.91	30.99	-68.88	-13.00	55.88	185	118	Vertical
5	4947.5400	40.63	-45.69	32.73	-67.59	-13.00	54.59	174	159	Vertical
6	5772.1300	40.08	-44.64	33.65	-66.17	-13.00	53.17	136	347	Vertical



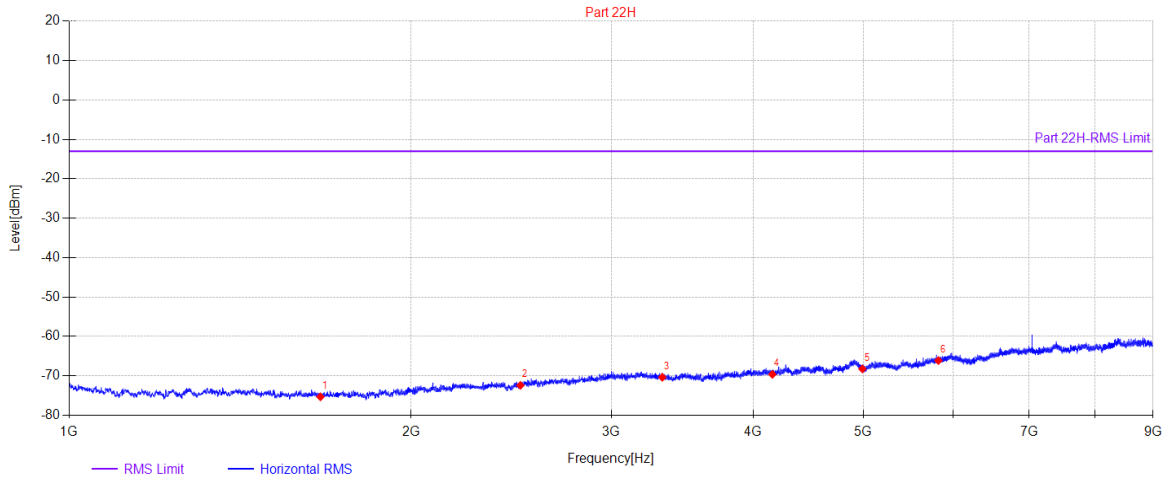
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Test Band = LTE Band5\_QPSK\_3MHz\_TM1

Test Channel = Mid

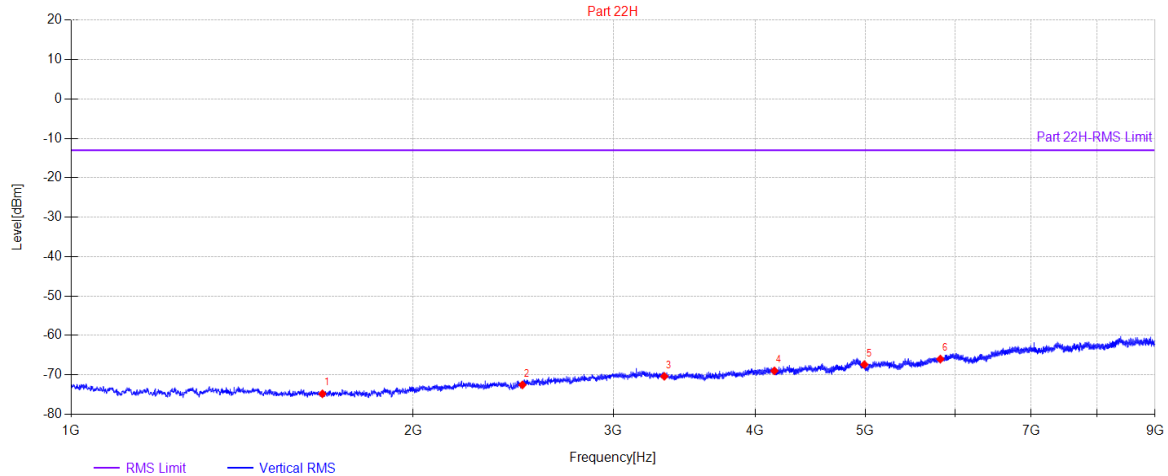


Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664.1800	42.77	-48.20	25.38	-75.32	-13.00	62.32	254	325	Horizontal
2	2496.2700	42.37	-47.28	27.76	-72.41	-13.00	59.41	126	347	Horizontal
3	3328.3600	42.02	-46.64	29.52	-70.36	-13.00	57.36	236	231	Horizontal
4	4160.4500	40.54	-45.94	31.04	-69.62	-13.00	56.62	251	41	Horizontal
5	4992.5400	39.96	-45.79	32.86	-68.23	-13.00	55.23	148	26	Horizontal
6	5824.6300	40.08	-44.74	33.80	-66.12	-13.00	53.12	175	284	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	43.29	-48.20	25.38	-74.80	-13.00	61.80	248	268	Vertical
2	2496.2700	42.23	-47.28	27.76	-72.55	-13.00	59.55	174	23	Vertical
3	3328.3600	42.00	-46.64	29.52	-70.38	-13.00	57.38	156	172	Vertical
4	4160.4500	41.18	-45.94	31.04	-68.98	-13.00	55.98	261	172	Vertical
5	4992.5400	40.80	-45.79	32.86	-67.39	-13.00	54.39	291	334	Vertical
6	5824.6300	40.21	-44.74	33.80	-65.99	-13.00	52.99	155	37	Vertical



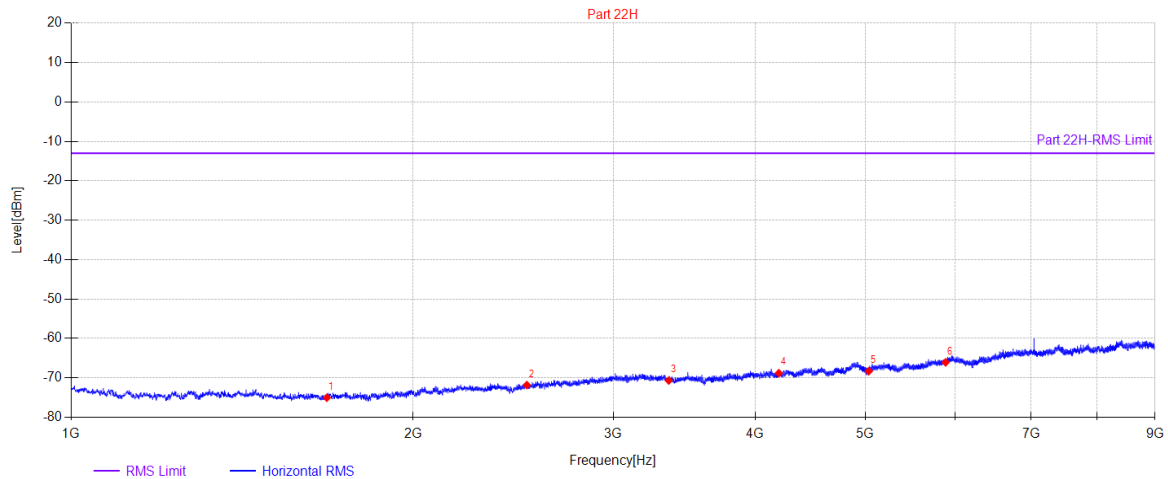
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Test Band = LTE Band5\_QPSK\_3MHz\_TM1

Test Channel = High



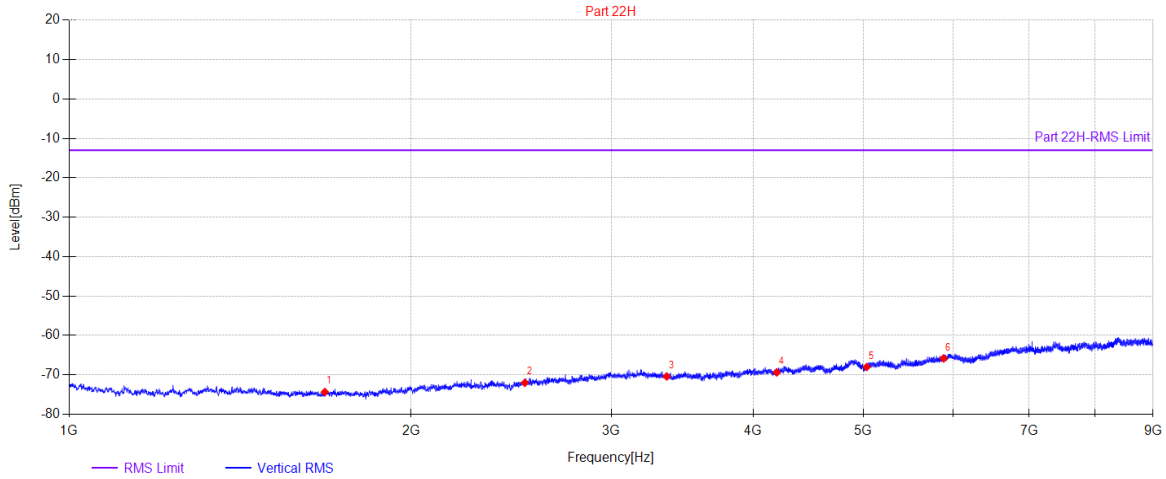
Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1679.1800	43.02	-48.18	25.38	-75.04	-13.00	62.04	285	347	Horizontal
2	2518.7700	42.79	-47.21	27.83	-71.84	-13.00	58.84	174	82	Horizontal
3	3358.3600	41.70	-46.60	29.48	-70.68	-13.00	57.68	126	347	Horizontal
4	4197.9500	41.31	-45.96	31.10	-68.81	-13.00	55.81	261	109	Horizontal
5	5037.5400	39.71	-45.65	32.90	-68.30	-13.00	55.30	159	325	Horizontal
6	5887.1300	40.21	-44.93	33.92	-66.06	-13.00	53.06	148	136	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	43.72	-48.18	25.38	-74.34	-13.00	61.34	236	357	Vertical
2	2518.7700	42.61	-47.21	27.83	-72.02	-13.00	59.02	251	281	Vertical
3	3358.3600	41.98	-46.60	29.48	-70.40	-13.00	57.40	148	50	Vertical
4	4197.9500	40.75	-45.96	31.10	-69.37	-13.00	56.37	196	267	Vertical
5	5037.5400	40.02	-45.65	32.90	-67.99	-13.00	54.99	251	334	Vertical
6	5887.1300	40.44	-44.93	33.92	-65.83	-13.00	52.83	148	267	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:

$$AF = \text{Antenna Factor (dB/m)}$$

$$\text{Factor} = \text{Cable Factor (dB)} - \text{Preamplifier (dB)}$$

$$\text{Level} = \text{Reading Level} + AF + \text{Factor} - 95.26$$

$$\text{Margin} = \text{Limit} - \text{Level}$$



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## Frequency Stability

### Test Result

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	0.30	0.000359	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	-0.90	-0.001076	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-0.50	-0.000598	±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	-0.20	-0.000239	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-1.20	-0.001435	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-0.90	-0.001076	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	0.00	0.000000	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	0.50	0.000598	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-1.30	-0.001554	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	0.80	0.000956	±2.5	PASS

---End of Attachment---



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