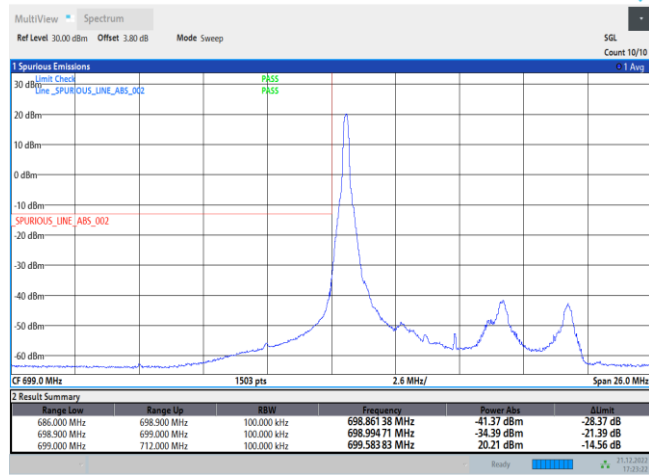
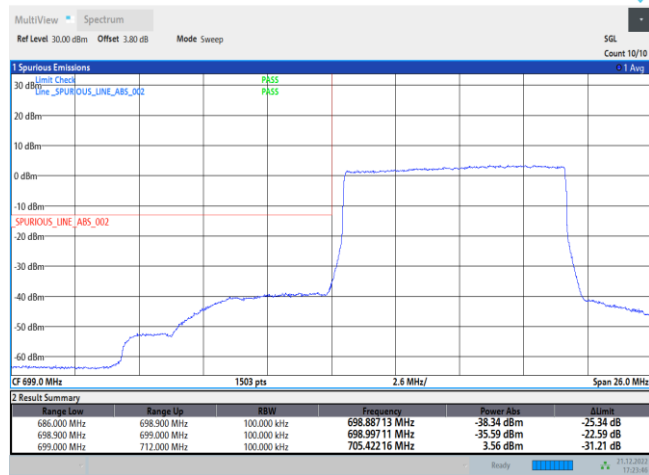


Band12-10MHz-QPSK-23060-1RB#0



17:23:23 21.12.2022

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



17:23:46 21.12.2022

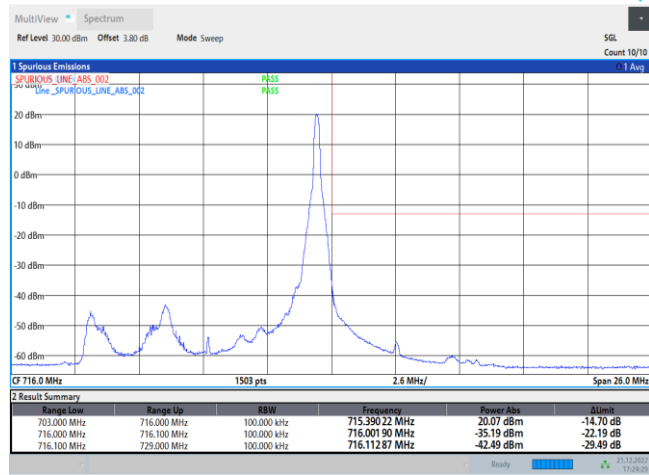


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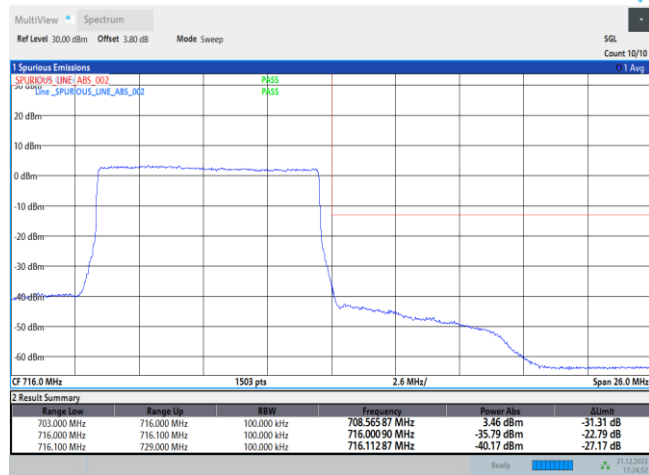
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Band12-10MHz-QPSK-23130-1RB#49



17:24:30 21.12.2022

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



17:24:53 21.12.2022



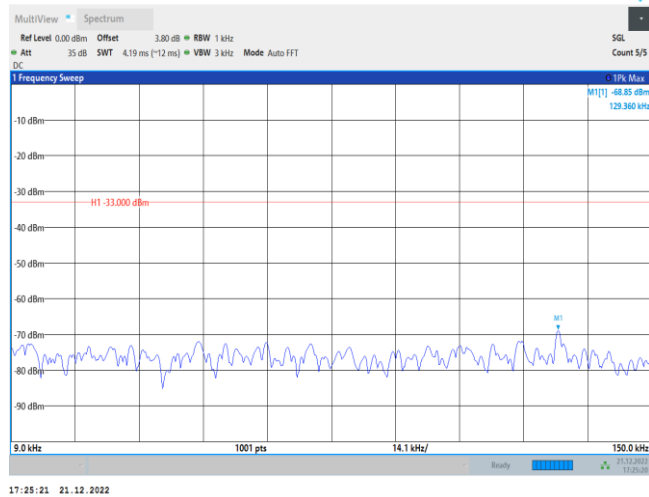
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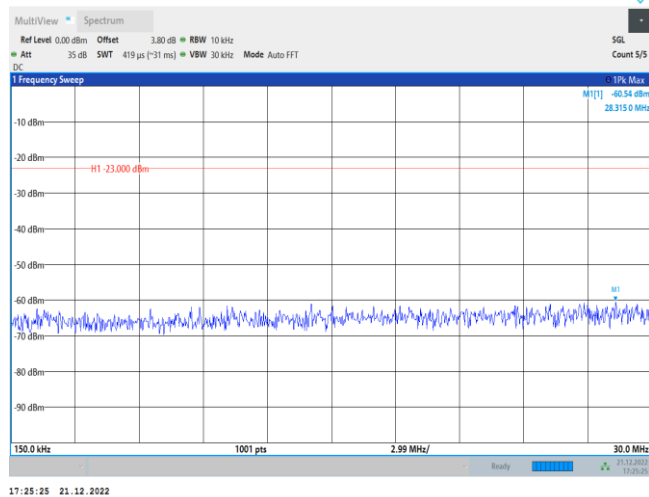
Conducted Spurious Emission

Test Graphs

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



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

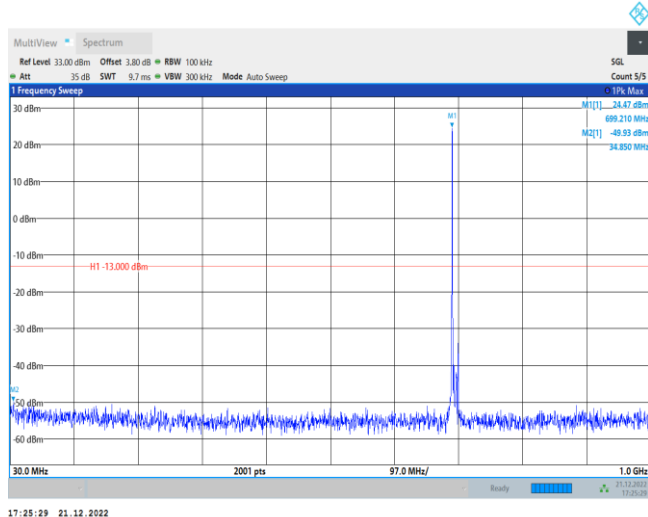


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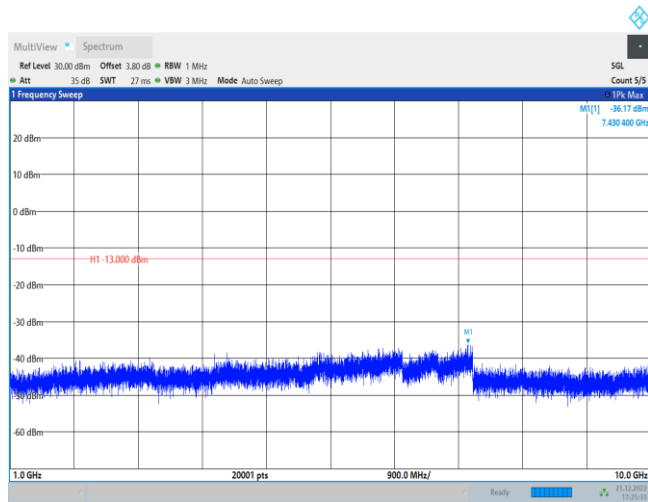
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Band12-10MHz-QPSK-23060-1RB#0-Range3:30~1000MHz



17:25:29 21.12.2022

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



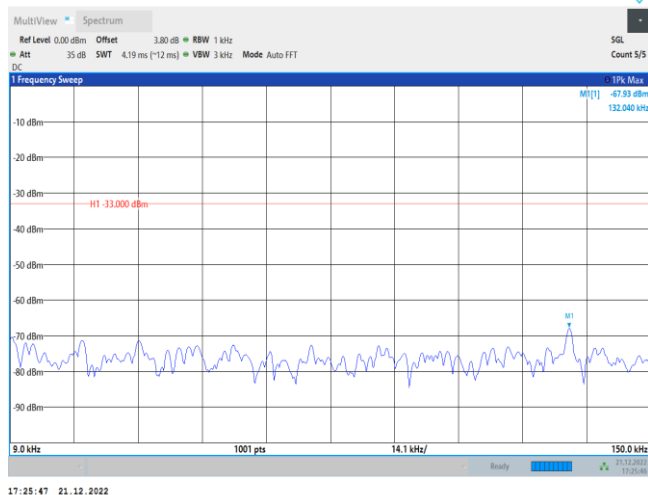
17:25:33 21.12.2022



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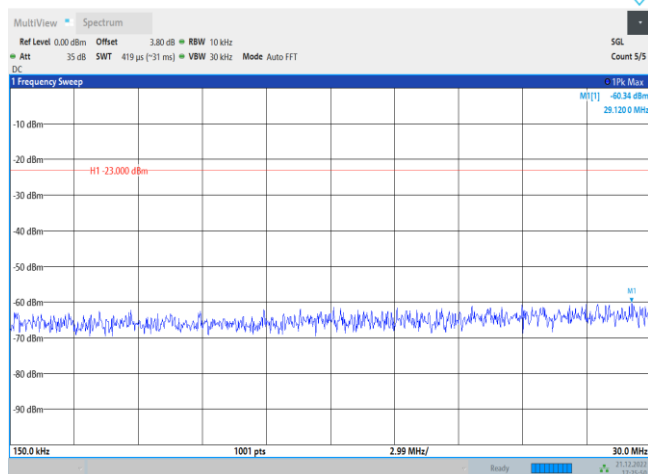
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Band12-10MHz-QPSK-23095-1RB#0-Range1:0.009~0.15MHz



17:25:47 21.12.2022

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



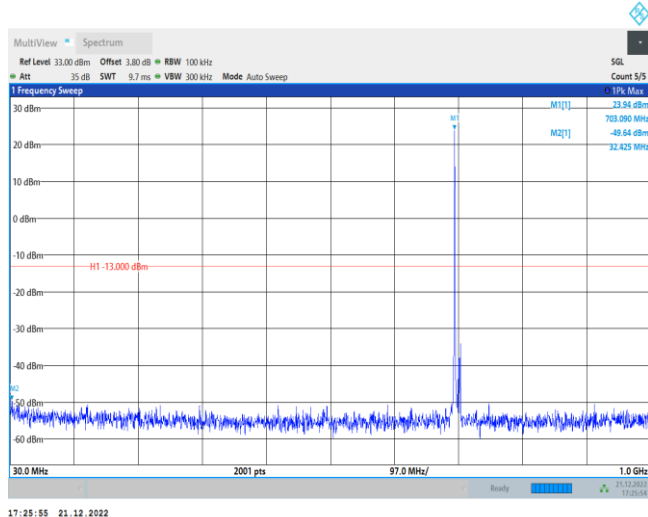
17:25:51 21.12.2022



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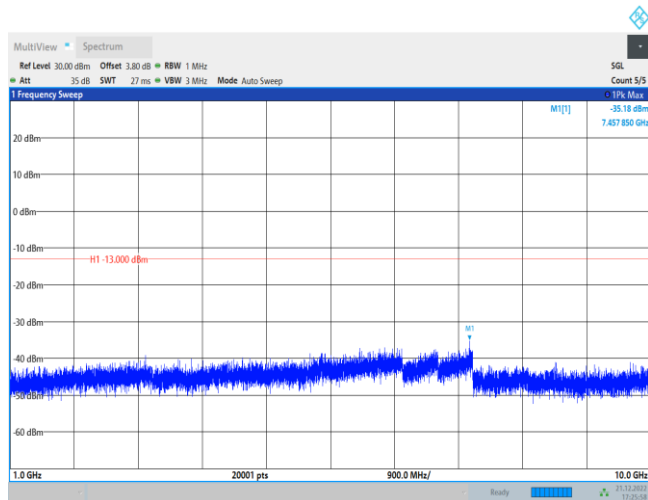
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Band12-10MHz-QPSK-23095-1RB#0-Range3:30~1000MHz



17:25:55 21.12.2022

Band12-10MHz-QPSK-23095-1RB#0-Range4:1000~10000MHz



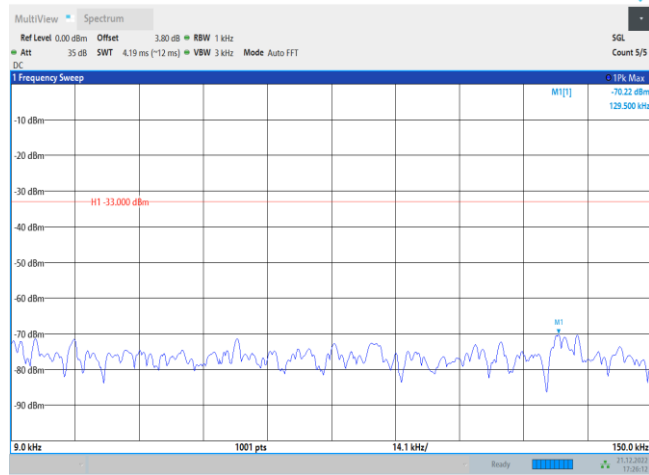
17:25:59 21.12.2022



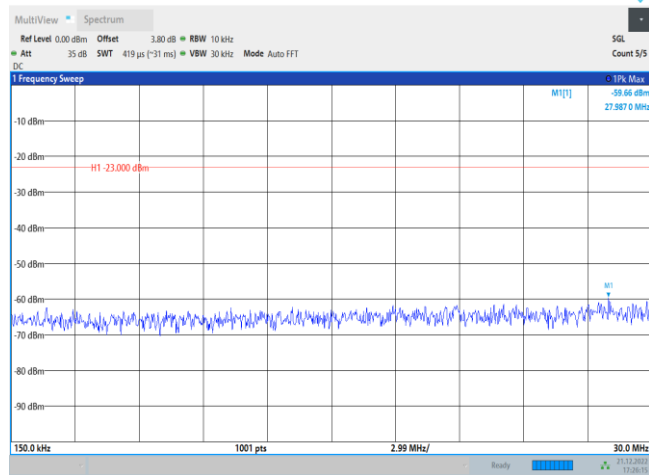
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Band12-10MHz-QPSK-23130-1RB#0-Range1:0.009~0.15MHz



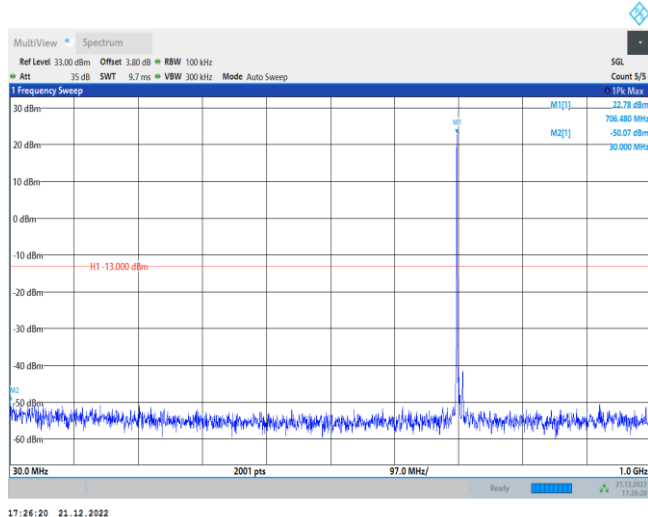
Band12-10MHz-QPSK-23130-1RB#0-Range2:0.15~30MHz



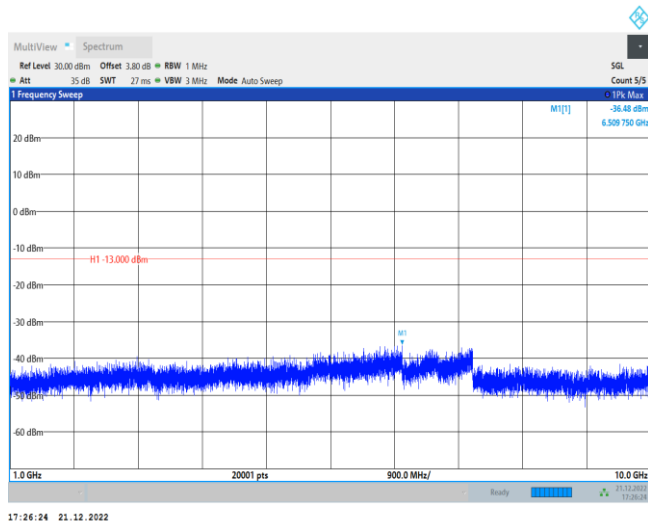
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Band12-10MHz-QPSK-23130-1RB#0-Range3:30~1000MHz



Band12-10MHz-QPSK-23130-1RB#0-Range4:1000~10000MHz



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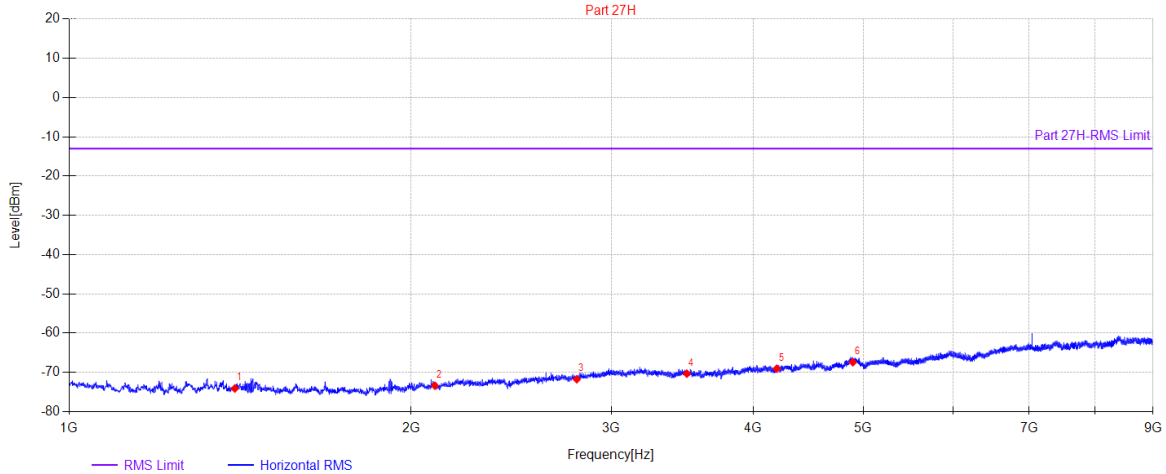
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Field Strength of Spurious Radiation

Test Band = LTE Band12_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	1399.1800	43.55	-48.00	25.62	-74.09	-13.00	61.09	236	13	Horizontal
2	2098.7700	42.59	-47.71	26.99	-73.40	-13.00	60.40	251	225	Horizontal
3	2798.3600	41.95	-46.92	28.48	-71.75	-13.00	58.75	148	1	Horizontal
4	3497.9500	41.96	-46.54	29.52	-70.32	-13.00	57.32	195	356	Horizontal
5	4197.5400	41.07	-45.96	31.10	-69.05	-13.00	56.05	174	158	Horizontal
6	4897.1300	40.84	-45.58	32.59	-67.41	-13.00	54.41	126	117	Horizontal

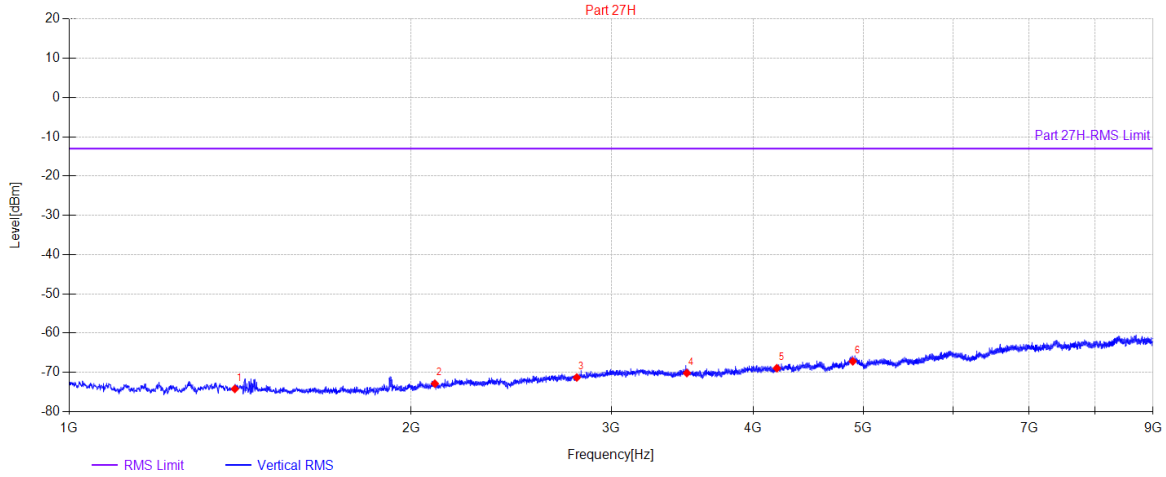


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Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1399.1800	43.44	-48.00	25.62	-74.20	-13.00	61.20	222	360	Vertical
2	2098.7700	43.12	-47.71	26.99	-72.87	-13.00	59.87	148	203	Vertical
3	2798.3600	42.40	-46.92	28.48	-71.30	-13.00	58.30	185	360	Vertical
4	3497.9500	42.11	-46.54	29.52	-70.17	-13.00	57.17	169	108	Vertical
5	4197.5400	41.19	-45.96	31.10	-68.93	-13.00	55.93	174	134	Vertical
6	4897.1300	41.06	-45.58	32.59	-67.19	-13.00	54.19	126	81	Vertical



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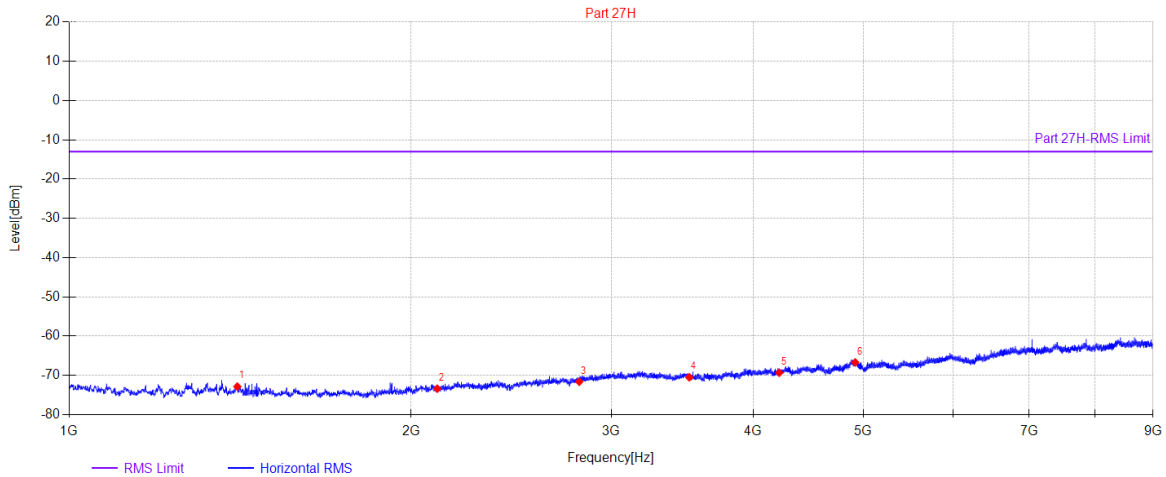
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Test Band = LTE Band12_QPSK_3MHz_TM1

Test Channel = Mid

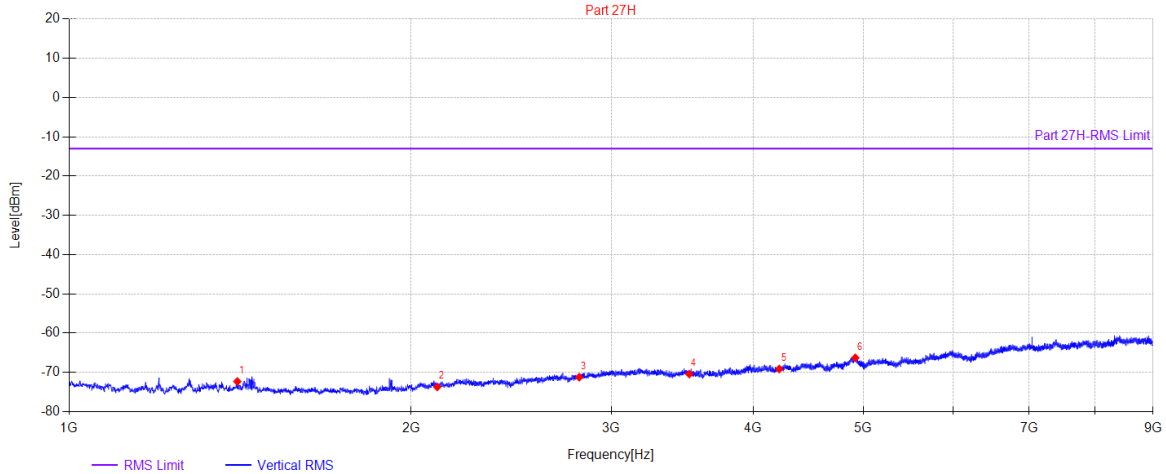


Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1406.1800	44.83	-48.02	25.61	-72.84	-13.00	59.84	247	2	Horizontal
2	2109.2700	42.56	-47.71	27.02	-73.38	-13.00	60.38	188	251	Horizontal
3	2812.3600	41.98	-46.88	28.53	-71.62	-13.00	58.62	196	0	Horizontal
4	3515.4500	41.75	-46.51	29.53	-70.48	-13.00	57.48	145	183	Horizontal
5	4218.5400	40.73	-45.93	31.14	-69.32	-13.00	56.32	265	0	Horizontal
6	4921.6300	41.53	-45.63	32.66	-66.70	-13.00	53.70	142	183	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	1406.1800	45.36	-48.02	25.61	-72.31	-13.00	59.31	236	202	Vertical
2	2109.2700	42.24	-47.71	27.02	-73.70	-13.00	60.70	216	148	Vertical
3	2812.3600	42.37	-46.88	28.53	-71.23	-13.00	58.23	148	81	Vertical
4	3515.4500	41.81	-46.51	29.53	-70.42	-13.00	57.42	195	335	Vertical
5	4218.5400	40.92	-45.93	31.14	-69.13	-13.00	56.13	174	67	Vertical
6	4921.6300	41.94	-45.63	32.66	-66.29	-13.00	53.29	199	359	Vertical



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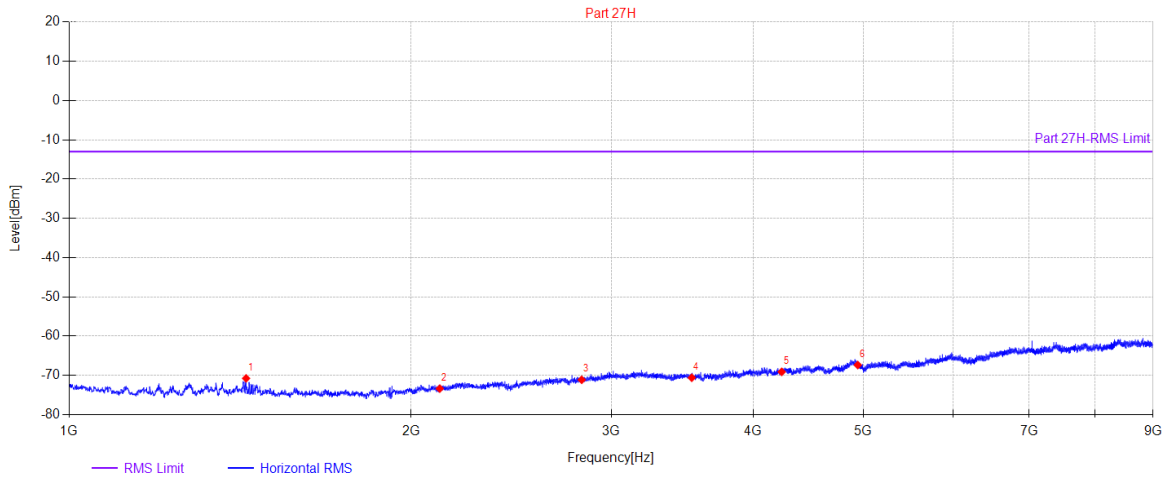
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Test Band = LTE Band12_QPSK_3MHz_TM1

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	1431.4286	47.03	-48.10	25.58	-70.75	-13.00	57.75	214	6	Horizontal
2	2119.7700	42.54	-47.70	27.06	-73.36	-13.00	60.36	198	136	Horizontal
3	2826.3600	42.37	-46.83	28.60	-71.12	-13.00	58.12	158	267	Horizontal
4	3532.9500	41.59	-46.47	29.55	-70.59	-13.00	57.59	196	64	Horizontal
5	4239.5400	40.88	-45.89	31.18	-69.09	-13.00	56.09	174	144	Horizontal
6	4946.1300	40.86	-45.69	32.73	-67.36	-13.00	54.36	152	319	Horizontal

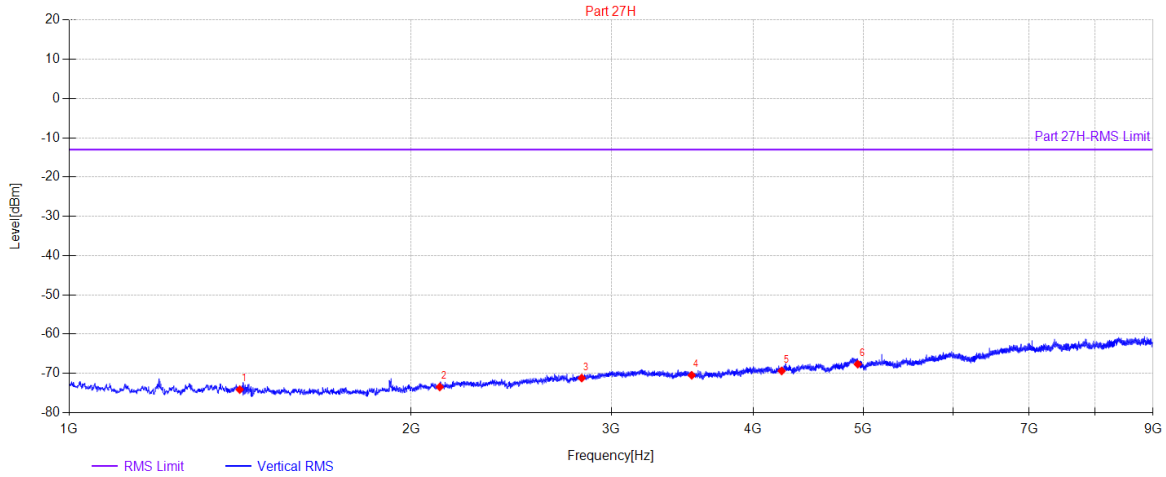


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Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1413.1800	43.58	-48.04	25.60	-74.12	-13.00	61.12	255	360	Vertical
2	2119.7700	42.44	-47.70	27.06	-73.46	-13.00	60.46	146	3	Vertical
3	2826.3600	42.30	-46.83	28.60	-71.19	-13.00	58.19	263	228	Vertical
4	3532.9500	41.70	-46.47	29.55	-70.48	-13.00	57.48	214	3	Vertical
5	4239.5400	40.60	-45.89	31.18	-69.37	-13.00	56.37	175	67	Vertical
6	4946.1300	40.57	-45.69	32.73	-67.65	-13.00	54.65	149	322	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

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	-1.00	-0.001413	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	0.90	0.001272	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	-0.20	-0.000283	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	0.60	0.000848	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-0.30	-0.000424	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	-1.50	-0.002120	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	-0.60	-0.000848	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	1.60	0.002261	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	0.20	0.000283	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	0.00	0.000000	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	-0.50	-0.000707	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	0.00	0.000000	PASS

---End of Attachment---



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