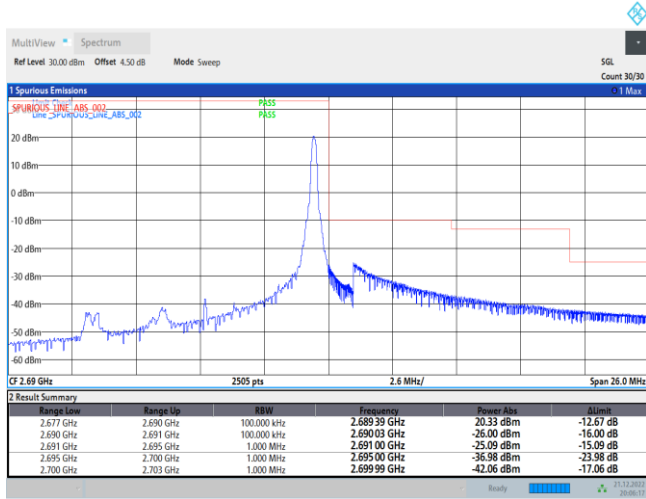
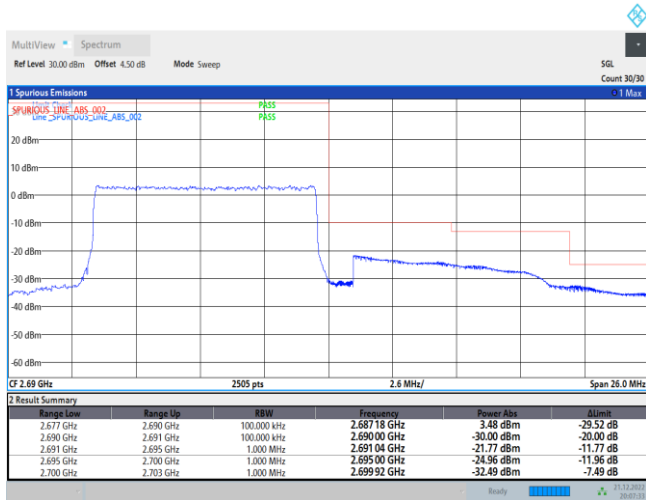


Band41-10MHz-QPSK-41540-1RB#49



20:06:18 21.12.2022

Band41-10MHz-QPSK-41540-50RB#0



20:07:34 21.12.2022

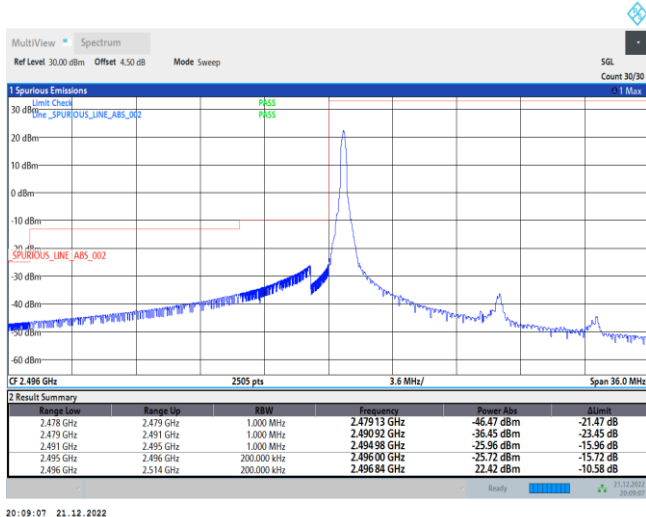


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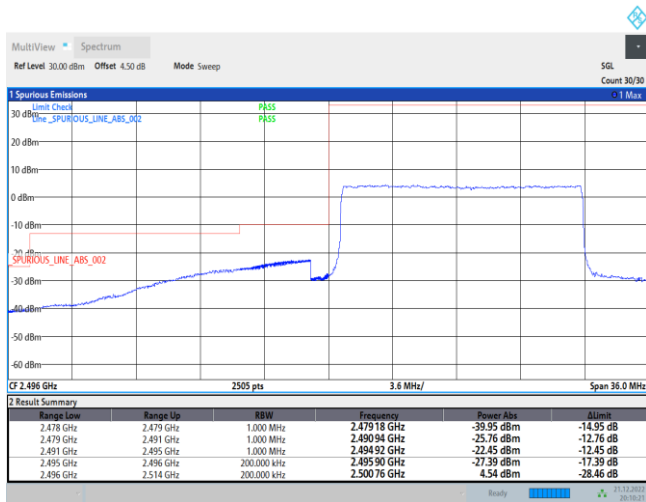
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Band41-15MHz-QPSK-39725-1RB#0



20:09:07 21.12.2022

Band41-15MHz-QPSK-39725-75RB#0



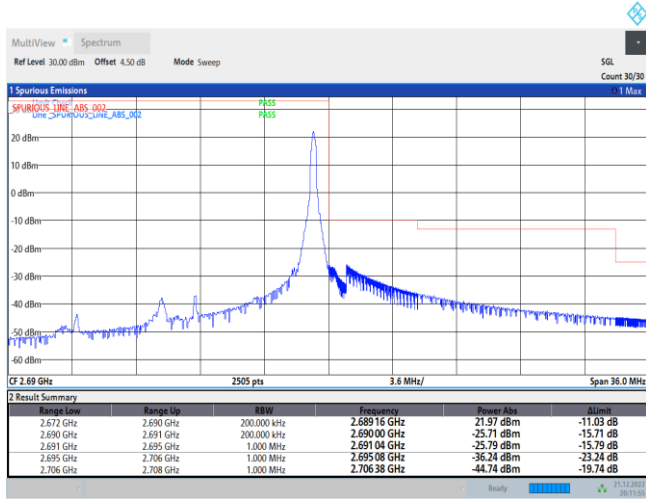
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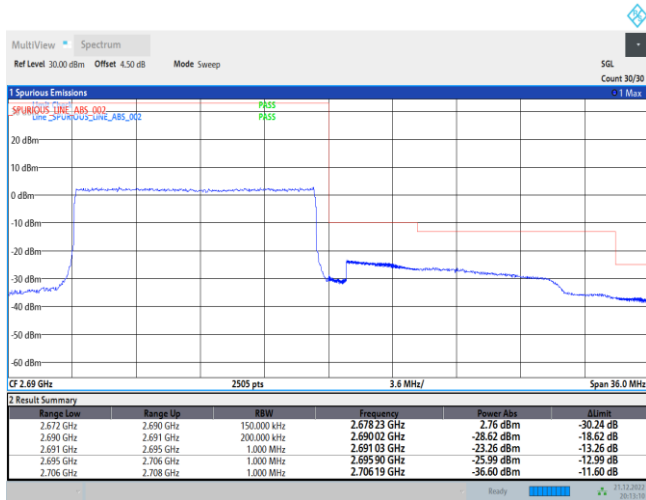
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Band41-15MHz-QPSK-41515-1RB#74



20:11:55 21.12.2022

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



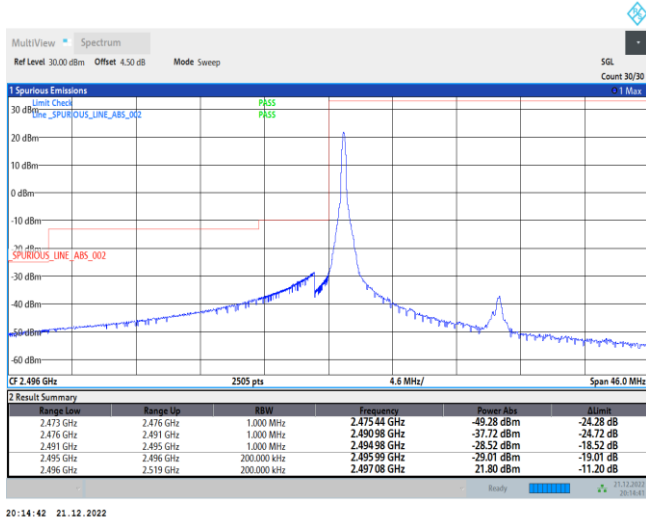
20:13:10 21.12.2022



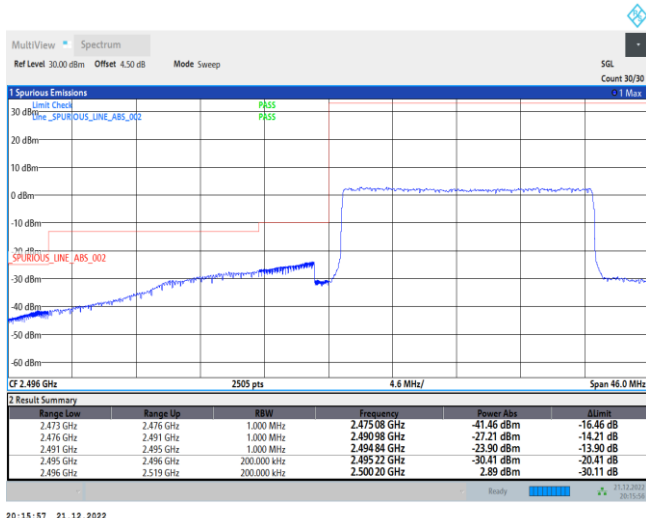
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Band41-20MHz-QPSK-39750-1RB#0



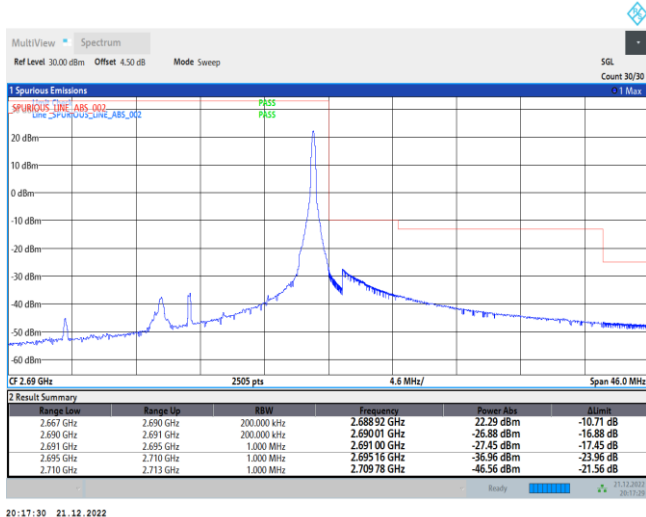
Band41-20MHz-QPSK-39750-100RB#0



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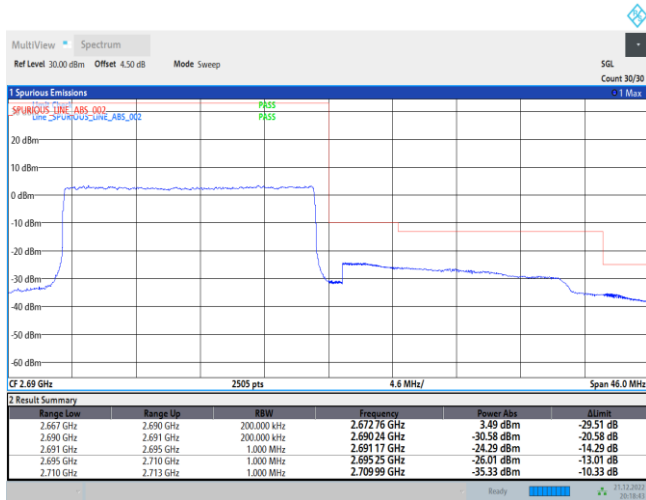
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Band41-20MHz-QPSK-41490-1RB#99



20:17:30 21.12.2022

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



20:18:44 21.12.2022



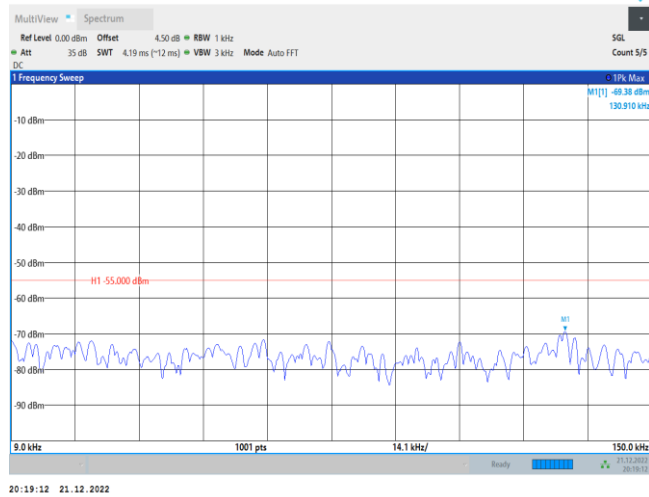
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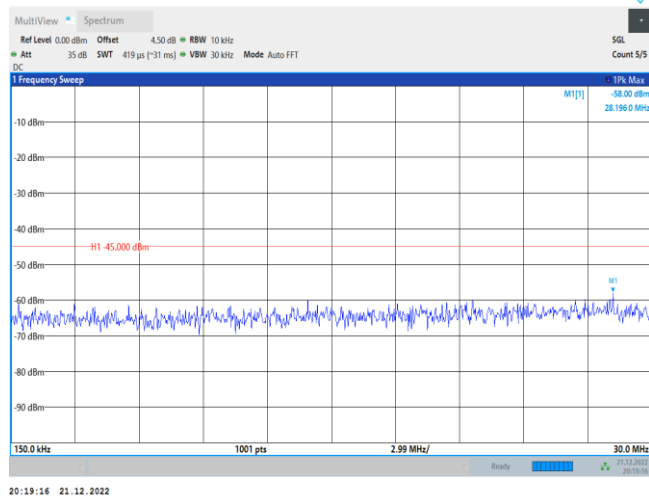
Conducted Spurious Emission

Test Graphs

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



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

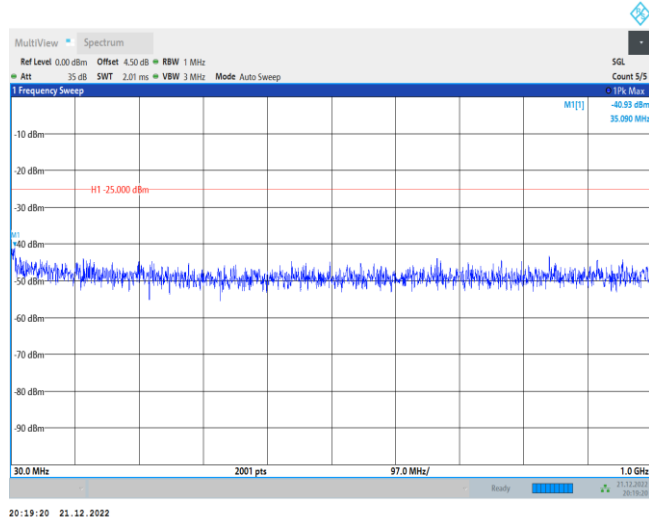


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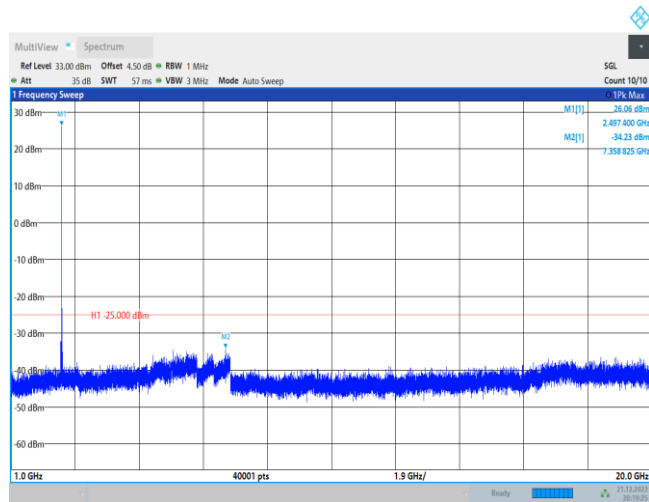
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Band41-20MHz-QPSK-39750-1RB#0-Range3:30~1000MHz



20:19:20 21.12.2022

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



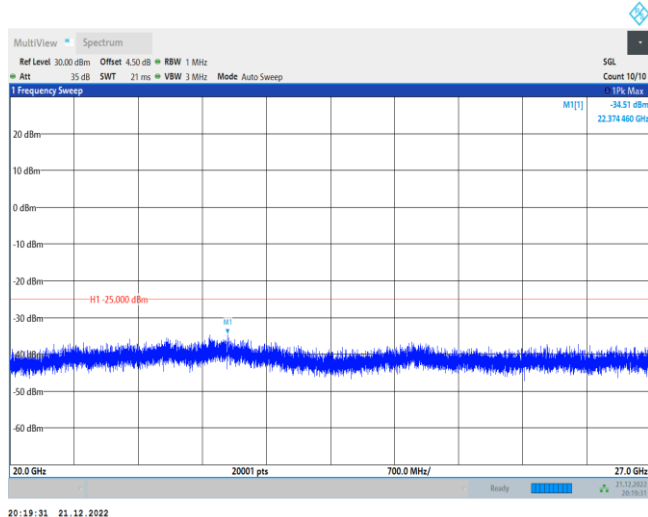
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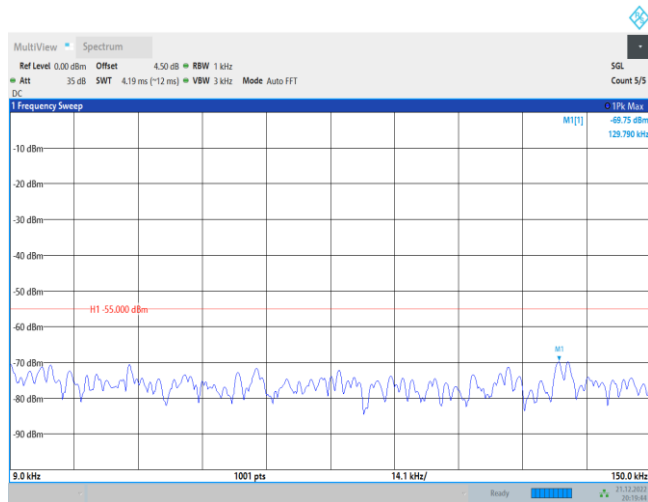
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Band41-20MHz-QPSK-39750-1RB#0-Range5:20000~27000MHz



20:19:31 21.12.2022

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



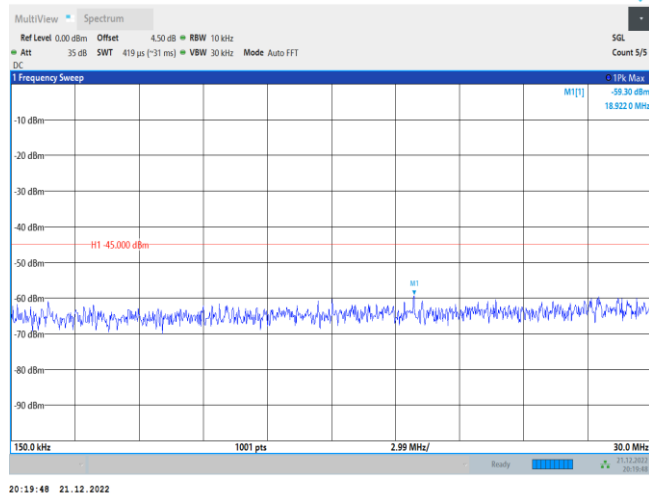
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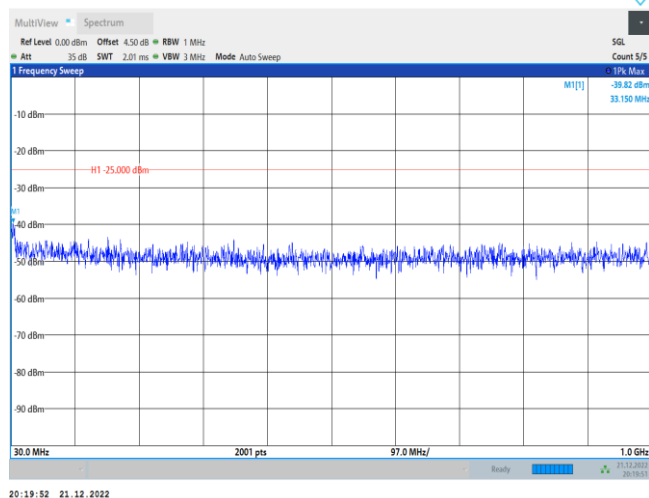
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Band41-20MHz-QPSK-40620-1RB#0-Range2:0.15~30MHz



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

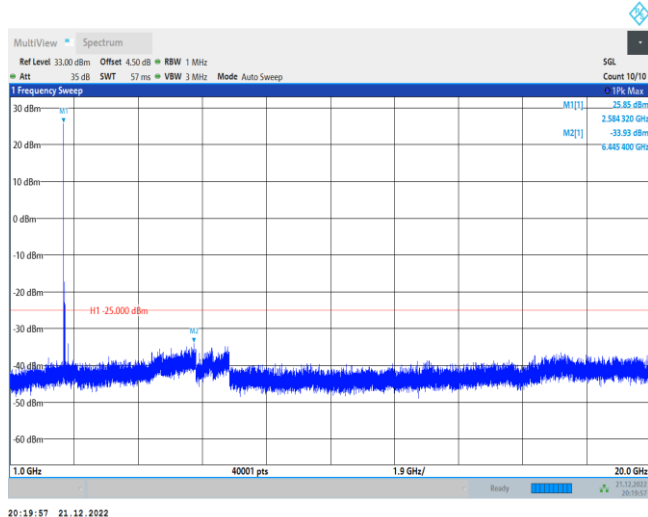


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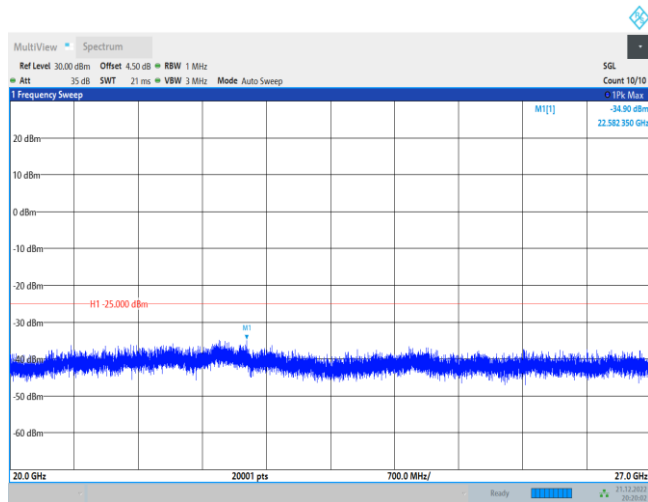
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Band41-20MHz-QPSK-40620-1RB#0-Range4:1000~20000MHz



20:19:57 21.12.2022

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



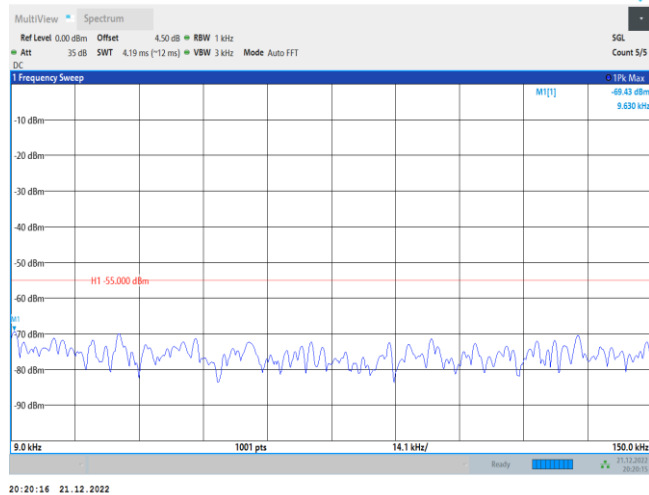
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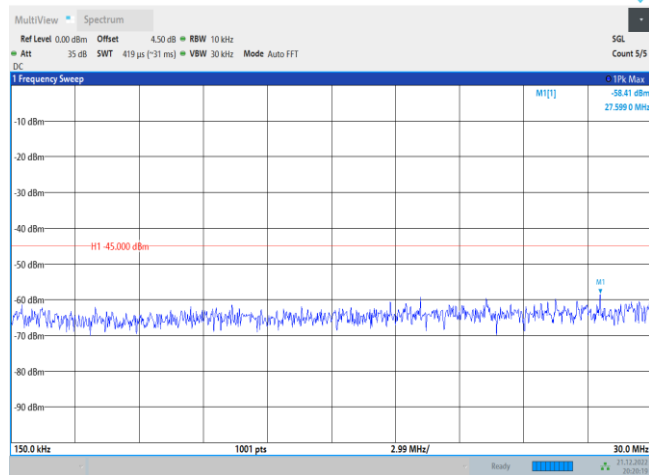
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Band41-20MHz-QPSK-41490-1RB#0-Range1:0.009~0.15MHz



20:20:16 21.12.2022

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



20:20:19 21.12.2022

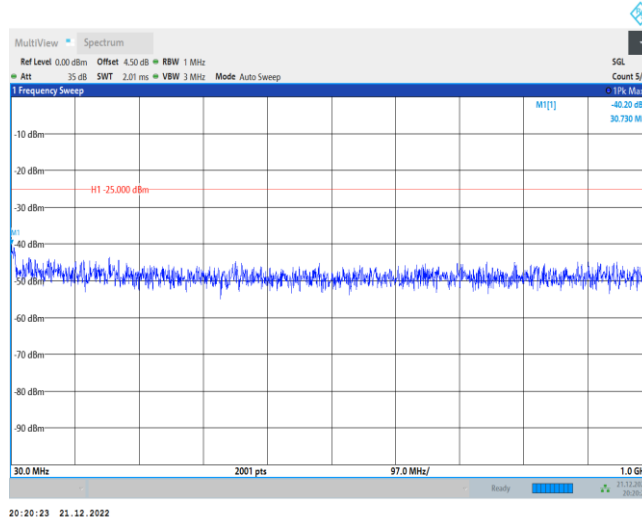


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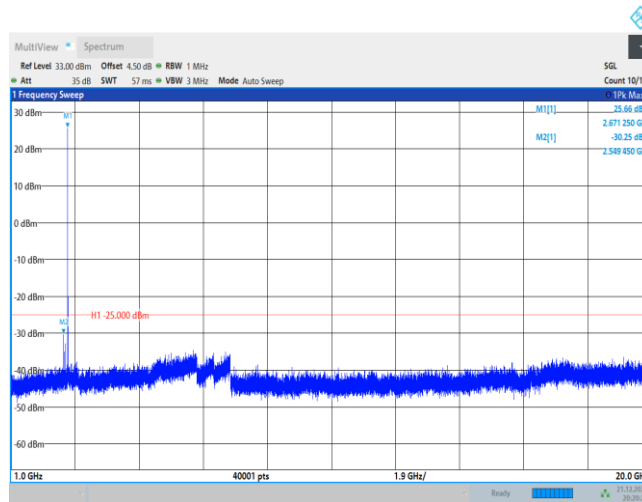
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Band41-20MHz-QPSK-41490-1RB#0-Range3:30~1000MHz



20:20:23 21.12.2022

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



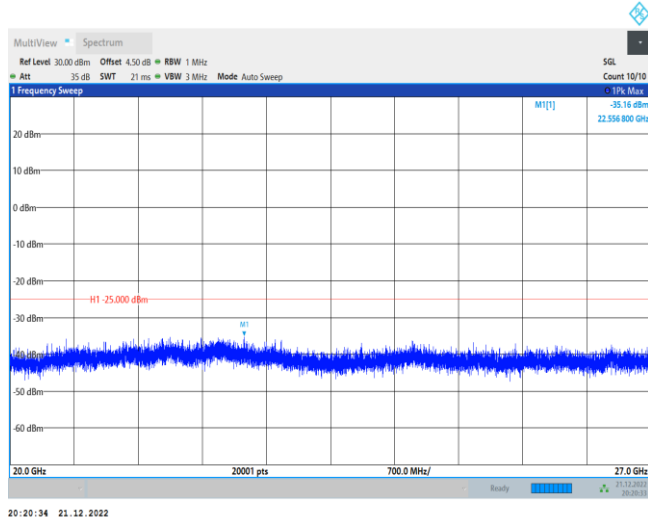
20:20:29 21.12.2022



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



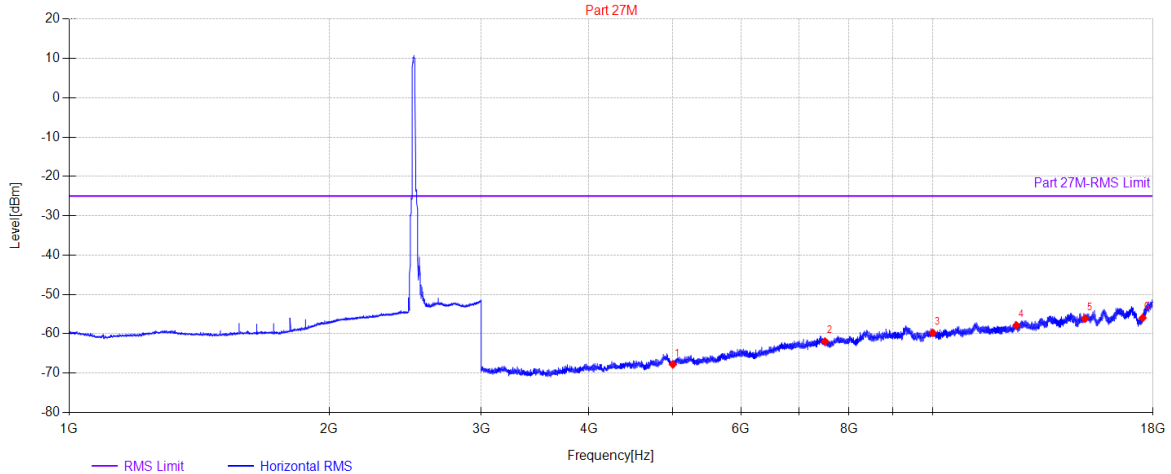
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Field Strength of Spurious Radiation

Test Band = LTE Band41_ TM1

Test Channel = Low



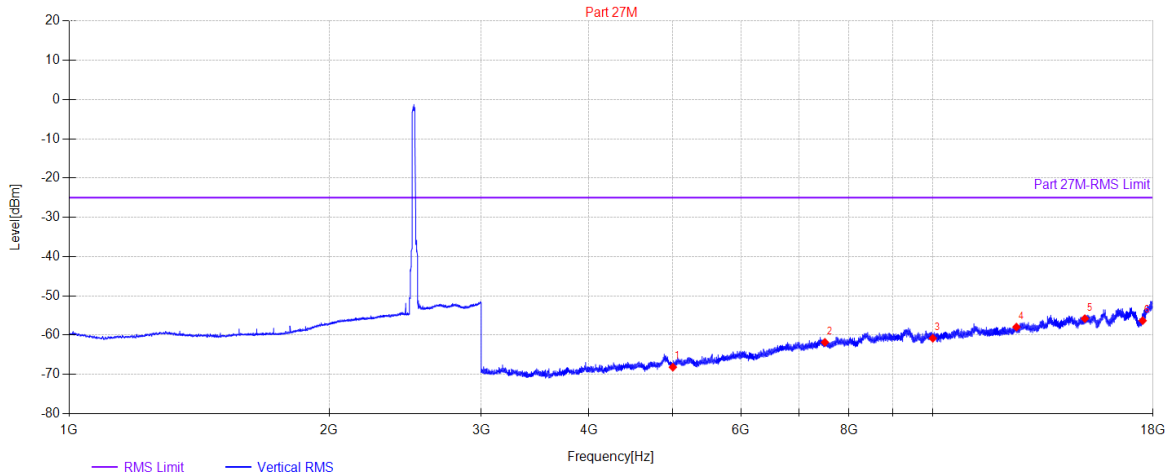
Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.1800	40.22	-45.63	32.88	-67.79	-25.00	42.79	195	163	Horizontal
2	7503.2700	39.98	-43.13	36.44	-61.97	-25.00	36.97	251	239	Horizontal
3	10004.3600	36.23	-39.23	38.50	-59.77	-25.00	34.77	142	194	Horizontal
4	12505.4500	35.18	-36.99	39.18	-57.89	-25.00	32.89	233	356	Horizontal
5	15006.5400	34.55	-34.65	39.21	-56.15	-25.00	31.15	210	117	Horizontal
6	17507.6300	35.02	-34.95	39.22	-55.97	-25.00	30.97	174	356	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	5002.1800	39.86	-45.63	32.88	-68.15	-25.00	43.15	111	26	Vertical
2	7503.2700	40.12	-43.13	36.44	-61.83	-25.00	36.83	162	116	Vertical
3	10004.3600	35.20	-39.23	38.50	-60.80	-25.00	35.80	154	6	Vertical
4	12505.4500	35.13	-36.99	39.18	-57.94	-25.00	32.94	148	238	Vertical
5	15006.5400	34.90	-34.65	39.21	-55.80	-25.00	30.80	198	1	Vertical
6	17507.6300	34.68	-34.95	39.22	-56.31	-25.00	31.31	172	178	Vertical



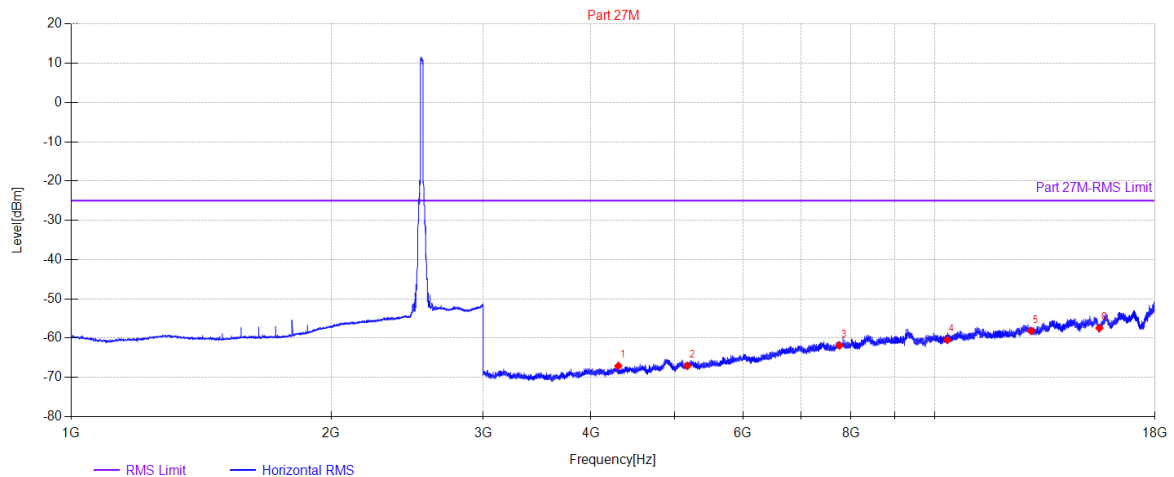
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Test Band = LTE Band41_ TM1

Test Channel = Mid



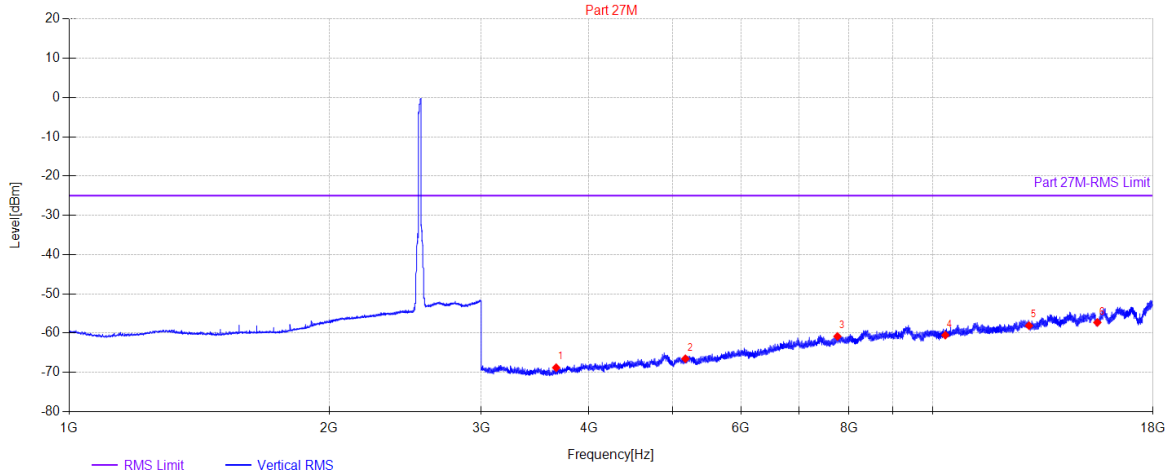
Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4302.75	42.42	-45.55	31.31	-67.08	-25.00	42.08	216	15	Horizontal
2	5172.1800	40.53	-45.30	32.98	-67.06	-25.00	42.06	100	344	Horizontal
3	7758.2700	39.32	-42.64	36.70	-61.88	-25.00	36.88	155	1	Horizontal
4	10344.3600	35.02	-39.05	38.85	-60.45	-25.00	35.45	159	299	Horizontal
5	12930.4500	34.51	-37.18	39.76	-58.17	-25.00	33.17	158	15	Horizontal
6	15516.5400	34.57	-35.30	38.55	-57.44	-25.00	32.44	172	126	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	3664.5	42.34	-45.72	29.84	-68.80	-25.00	43.80	148	101	Vertical
2	5172.1800	41.06	-45.30	32.98	-66.53	-25.00	41.53	126	24	Vertical
3	7758.2700	40.36	-42.64	36.70	-60.84	-25.00	35.84	295	101	Vertical
4	10344.3600	34.95	-39.05	38.85	-60.52	-25.00	35.52	174	269	Vertical
5	12930.4500	34.58	-37.18	39.76	-58.10	-25.00	33.10	185	1	Vertical
6	15516.5400	34.73	-35.30	38.55	-57.28	-25.00	32.28	143	329	Vertical



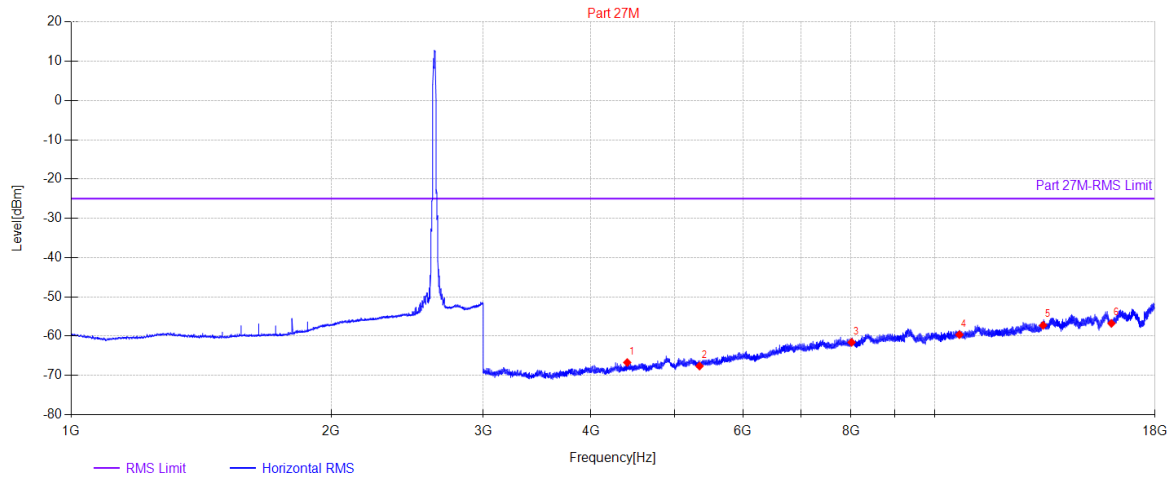
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Test Band = LTE Band41_ TM1

Test Channel = High



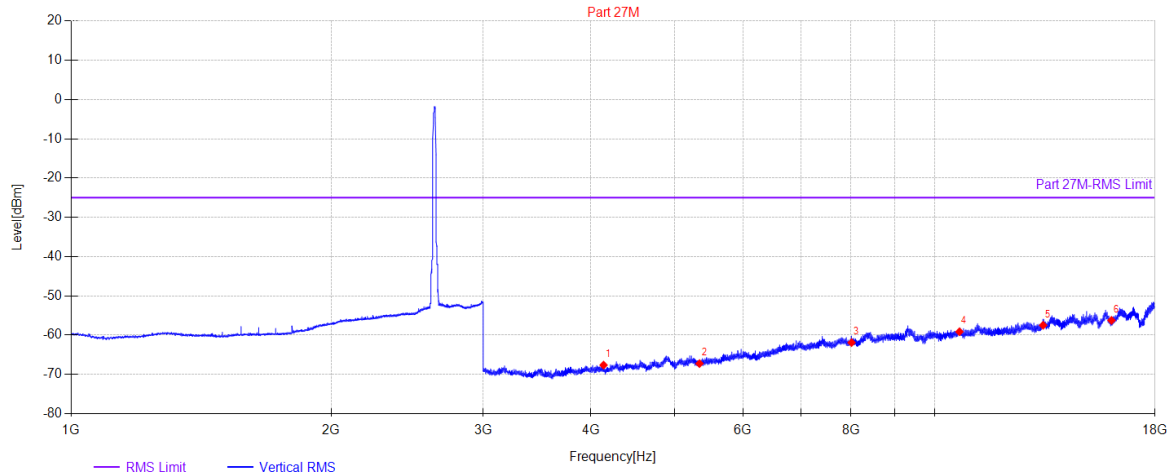
Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	4405.5	42.85	-45.81	31.52	-66.71	-25.00	41.71	165	0	Horizontal
2	5342.1800	39.96	-45.18	32.85	-67.62	-25.00	42.62	125	240	Horizontal
3	8013.2700	38.88	-42.21	37.01	-61.58	-25.00	36.58	188	286	Horizontal
4	10684.3600	34.47	-37.97	39.13	-59.63	-25.00	34.63	173	226	Horizontal
5	13355.4500	34.46	-36.56	40.10	-57.26	-25.00	32.26	219	91	Horizontal
6	16026.5400	35.53	-34.85	37.83	-56.76	-25.00	31.76	140	226	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	4136.25	42.39	-45.76	31.00	-67.63	-25.00	42.63	165	201	Vertical
2	5342.1800	40.34	-45.18	32.85	-67.24	-25.00	42.24	155	142	Vertical
3	8013.2700	38.57	-42.21	37.01	-61.89	-25.00	36.89	198	66	Vertical
4	10684.3600	34.97	-37.97	39.13	-59.13	-25.00	34.13	175	52	Vertical
5	13355.4500	34.23	-36.56	40.10	-57.49	-25.00	32.49	142	309	Vertical
6	16026.5400	36.06	-34.85	37.83	-56.23	-25.00	31.23	133	357	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
Band41	20MHz	QPSK	40620	100RB#0	VL	NT	-2.10	-0.000810	PASS
Band41	20MHz	QPSK	40620	100RB#0	VN	NT	-2.20	-0.000848	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	-1.40	-0.000540	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-20	-1.90	-0.000733	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	-10	-2.10	-0.000810	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	0	0.90	0.000347	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	10	-2.80	-0.001080	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	20	-1.40	-0.000540	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	30	-0.70	-0.000270	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	40	-1.70	-0.000656	PASS
Band41	20MHz	QPSK	40620	100RB#0	NV	50	-0.30	-0.000116	PASS

---End of Attachment---



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