

## Annex for FCC LTE Band 41

Test Report No. :CTL2203279012-WF11

## Appendix A RF Output Power

## Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	40265	1RB#0	22.03	PASS
Band41	5MHz	QPSK	40265	1RB#12	<b>22.16</b>	PASS
Band41	5MHz	QPSK	40265	1RB#24	22.04	PASS
Band41	5MHz	QPSK	40265	12RB#0	21.03	PASS
Band41	5MHz	QPSK	40265	12RB#6	21.09	PASS
Band41	5MHz	QPSK	40265	12RB#13	21.03	PASS
Band41	5MHz	QPSK	40265	25RB#0	21.06	PASS
Band41	5MHz	QPSK	40740	1RB#0	21.90	PASS
Band41	5MHz	QPSK	40740	1RB#12	22.07	PASS
Band41	5MHz	QPSK	40740	1RB#24	21.98	PASS
Band41	5MHz	QPSK	40740	12RB#0	20.96	PASS
Band41	5MHz	QPSK	40740	12RB#6	20.93	PASS
Band41	5MHz	QPSK	40740	12RB#13	20.94	PASS
Band41	5MHz	QPSK	40740	25RB#0	20.94	PASS
Band41	5MHz	QPSK	41215	1RB#0	22.01	PASS
Band41	5MHz	QPSK	41215	1RB#12	22.12	PASS
Band41	5MHz	QPSK	41215	1RB#24	21.96	PASS
Band41	5MHz	QPSK	41215	12RB#0	21.05	PASS
Band41	5MHz	QPSK	41215	12RB#6	21.08	PASS
Band41	5MHz	QPSK	41215	12RB#13	21.07	PASS
Band41	5MHz	QPSK	41215	25RB#0	21.06	PASS
Band41	5MHz	16QAM	40265	1RB#0	21.10	PASS
Band41	5MHz	16QAM	40265	1RB#12	<b>21.19</b>	PASS
Band41	5MHz	16QAM	40265	1RB#24	21.08	PASS
Band41	5MHz	16QAM	40265	12RB#0	20.11	PASS
Band41	5MHz	16QAM	40265	12RB#6	20.11	PASS
Band41	5MHz	16QAM	40265	12RB#13	20.09	PASS
Band41	5MHz	16QAM	40265	25RB#0	20.08	PASS
Band41	5MHz	16QAM	40740	1RB#0	20.91	PASS
Band41	5MHz	16QAM	40740	1RB#12	20.96	PASS
Band41	5MHz	16QAM	40740	1RB#24	20.87	PASS
Band41	5MHz	16QAM	40740	12RB#0	19.92	PASS
Band41	5MHz	16QAM	40740	12RB#6	19.86	PASS
Band41	5MHz	16QAM	40740	12RB#13	19.95	PASS
Band41	5MHz	16QAM	40740	25RB#0	19.92	PASS
Band41	5MHz	16QAM	41215	1RB#0	21.07	PASS

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Band41	5MHz	16QAM	41215	1RB#12	21.09	PASS
Band41	5MHz	16QAM	41215	1RB#24	21.00	PASS
Band41	5MHz	16QAM	41215	12RB#0	20.09	PASS
Band41	5MHz	16QAM	41215	12RB#6	20.13	PASS
Band41	5MHz	16QAM	41215	12RB#13	20.10	PASS
Band41	5MHz	16QAM	41215	25RB#0	20.09	PASS
Band41	10MHz	QPSK	40290	1RB#0	22.13	PASS
Band41	10MHz	QPSK	40290	1RB#24	22.42	PASS
Band41	10MHz	QPSK	40290	1RB#49	22.15	PASS
Band41	10MHz	QPSK	40290	25RB#0	21.16	PASS
Band41	10MHz	QPSK	40290	25RB#12	21.12	PASS
Band41	10MHz	QPSK	40290	25RB#25	21.18	PASS
Band41	10MHz	QPSK	40290	50RB#0	21.11	PASS
Band41	10MHz	QPSK	40740	1RB#0	22.04	PASS
Band41	10MHz	QPSK	40740	1RB#24	22.34	PASS
Band41	10MHz	QPSK	40740	1RB#49	22.02	PASS
Band41	10MHz	QPSK	40740	25RB#0	20.99	PASS
Band41	10MHz	QPSK	40740	25RB#12	20.98	PASS
Band41	10MHz	QPSK	40740	25RB#25	21.05	PASS
Band41	10MHz	QPSK	40740	50RB#0	21.00	PASS
Band41	10MHz	QPSK	41190	1RB#0	22.15	PASS
Band41	10MHz	QPSK	41190	1RB#24	<b>22.44</b>	PASS
Band41	10MHz	QPSK	41190	1RB#49	22.12	PASS
Band41	10MHz	QPSK	41190	25RB#0	21.16	PASS
Band41	10MHz	QPSK	41190	25RB#12	21.15	PASS
Band41	10MHz	QPSK	41190	25RB#25	21.18	PASS
Band41	10MHz	QPSK	41190	50RB#0	21.16	PASS
Band41	10MHz	16QAM	40290	1RB#0	20.98	PASS
Band41	10MHz	16QAM	40290	1RB#24	<b>21.29</b>	PASS
Band41	10MHz	16QAM	40290	1RB#49	20.98	PASS
Band41	10MHz	16QAM	40290	25RB#0	20.20	PASS
Band41	10MHz	16QAM	40290	25RB#12	20.22	PASS
Band41	10MHz	16QAM	40290	25RB#25	20.20	PASS
Band41	10MHz	16QAM	40290	50RB#0	20.19	PASS
Band41	10MHz	16QAM	40740	1RB#0	20.98	PASS
Band41	10MHz	16QAM	40740	1RB#24	21.26	PASS
Band41	10MHz	16QAM	40740	1RB#49	21.01	PASS
Band41	10MHz	16QAM	40740	25RB#0	19.95	PASS
Band41	10MHz	16QAM	40740	25RB#12	19.96	PASS
Band41	10MHz	16QAM	40740	25RB#25	20.05	PASS
Band41	10MHz	16QAM	40740	50RB#0	20.02	PASS
Band41	10MHz	16QAM	41190	1RB#0	20.98	PASS
Band41	10MHz	16QAM	41190	1RB#24	21.20	PASS
Band41	10MHz	16QAM	41190	1RB#49	20.89	PASS
Band41	10MHz	16QAM	41190	25RB#0	20.20	PASS
Band41	10MHz	16QAM	41190	25RB#12	20.20	PASS

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Band41	10MHz	16QAM	41190	25RB#25	20.26	PASS
Band41	10MHz	16QAM	41190	50RB#0	20.22	PASS
Band41	15MHz	QPSK	40315	1RB#0	21.95	PASS
Band41	15MHz	QPSK	40315	1RB#38	22.05	PASS
Band41	15MHz	QPSK	40315	1RB#74	21.94	PASS
Band41	15MHz	QPSK	40315	38RB#0	21.04	PASS
Band41	15MHz	QPSK	40315	38RB#18	21.21	PASS
Band41	15MHz	QPSK	40315	38RB#37	21.04	PASS
Band41	15MHz	QPSK	40315	75RB#0	21.11	PASS
Band41	15MHz	QPSK	40740	1RB#0	21.96	PASS
Band41	15MHz	QPSK	40740	1RB#38	22.00	PASS
Band41	15MHz	QPSK	40740	1RB#74	21.83	PASS
Band41	15MHz	QPSK	40740	38RB#0	20.99	PASS
Band41	15MHz	QPSK	40740	38RB#18	21.07	PASS
Band41	15MHz	QPSK	40740	38RB#37	20.90	PASS
Band41	15MHz	QPSK	40740	75RB#0	21.02	PASS
Band41	15MHz	QPSK	41165	1RB#0	22.02	PASS
Band41	15MHz	QPSK	41165	1RB#38	<b>22.13</b>	PASS
Band41	15MHz	QPSK	41165	1RB#74	21.89	PASS
Band41	15MHz	QPSK	41165	38RB#0	21.06	PASS
Band41	15MHz	QPSK	41165	38RB#18	21.19	PASS
Band41	15MHz	QPSK	41165	38RB#37	20.94	PASS
Band41	15MHz	QPSK	41165	75RB#0	21.17	PASS
Band41	15MHz	16QAM	40315	1RB#0	21.08	PASS
Band41	15MHz	16QAM	40315	1RB#38	21.18	PASS
Band41	15MHz	16QAM	40315	1RB#74	21.06	PASS
Band41	15MHz	16QAM	40315	38RB#0	21.09	PASS
Band41	15MHz	16QAM	40315	38RB#18	<b>21.22</b>	PASS
Band41	15MHz	16QAM	40315	38RB#37	21.08	PASS
Band41	15MHz	16QAM	40315	75RB#0	20.06	PASS
Band41	15MHz	16QAM	40740	1RB#0	21.01	PASS
Band41	15MHz	16QAM	40740	1RB#38	21.05	PASS
Band41	15MHz	16QAM	40740	1RB#74	20.84	PASS
Band41	15MHz	16QAM	40740	38RB#0	20.90	PASS
Band41	15MHz	16QAM	40740	38RB#18	21.08	PASS
Band41	15MHz	16QAM	40740	38RB#37	20.87	PASS
Band41	15MHz	16QAM	40740	75RB#0	20.00	PASS
Band41	15MHz	16QAM	41165	1RB#0	21.08	PASS
Band41	15MHz	16QAM	41165	1RB#38	21.14	PASS
Band41	15MHz	16QAM	41165	1RB#74	20.95	PASS
Band41	15MHz	16QAM	41165	38RB#0	21.08	PASS
Band41	15MHz	16QAM	41165	38RB#18	21.17	PASS
Band41	15MHz	16QAM	41165	38RB#37	20.95	PASS
Band41	15MHz	16QAM	41165	75RB#0	20.12	PASS
Band41	20MHz	QPSK	40340	1RB#0	21.89	PASS
Band41	20MHz	QPSK	40340	1RB#49	<b>22.36</b>	PASS

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Band41	20MHz	QPSK	40340	1RB#99	21.88	PASS
Band41	20MHz	QPSK	40340	50RB#0	21.08	PASS
Band41	20MHz	QPSK	40340	50RB#25	21.10	PASS
Band41	20MHz	QPSK	40340	50RB#50	21.04	PASS
Band41	20MHz	QPSK	40340	100RB#0	21.10	PASS
Band41	20MHz	QPSK	40740	1RB#0	21.84	PASS
Band41	20MHz	QPSK	40740	1RB#49	22.28	PASS
Band41	20MHz	QPSK	40740	1RB#99	21.75	PASS
Band41	20MHz	QPSK	40740	50RB#0	20.83	PASS
Band41	20MHz	QPSK	40740	50RB#25	20.81	PASS
Band41	20MHz	QPSK	40740	50RB#50	20.97	PASS
Band41	20MHz	QPSK	40740	100RB#0	20.93	PASS
Band41	20MHz	QPSK	41140	1RB#0	21.86	PASS
Band41	20MHz	QPSK	41140	1RB#49	22.35	PASS
Band41	20MHz	QPSK	41140	1RB#99	21.84	PASS
Band41	20MHz	QPSK	41140	50RB#0	21.11	PASS
Band41	20MHz	QPSK	41140	50RB#25	21.06	PASS
Band41	20MHz	QPSK	41140	50RB#50	21.09	PASS
Band41	20MHz	QPSK	41140	100RB#0	21.08	PASS
Band41	20MHz	16QAM	40340	1RB#0	20.73	PASS
Band41	20MHz	16QAM	40340	1RB#49	21.46	PASS
Band41	20MHz	16QAM	40340	1RB#99	20.95	PASS
Band41	20MHz	16QAM	40340	50RB#0	20.17	PASS
Band41	20MHz	16QAM	40340	50RB#25	20.11	PASS
Band41	20MHz	16QAM	40340	50RB#50	20.09	PASS
Band41	20MHz	16QAM	40340	100RB#0	20.13	PASS
Band41	20MHz	16QAM	40740	1RB#0	20.85	PASS
Band41	20MHz	16QAM	40740	1RB#49	21.27	PASS
Band41	20MHz	16QAM	40740	1RB#99	20.61	PASS
Band41	20MHz	16QAM	40740	50RB#0	19.87	PASS
Band41	20MHz	16QAM	40740	50RB#25	19.87	PASS
Band41	20MHz	16QAM	40740	50RB#50	19.96	PASS
Band41	20MHz	16QAM	40740	100RB#0	19.89	PASS
Band41	20MHz	16QAM	41140	1RB#0	20.96	PASS
Band41	20MHz	16QAM	41140	1RB#49	<b>21.47</b>	PASS
Band41	20MHz	16QAM	41140	1RB#99	20.88	PASS
Band41	20MHz	16QAM	41140	50RB#0	20.13	PASS
Band41	20MHz	16QAM	41140	50RB#25	20.15	PASS
Band41	20MHz	16QAM	41140	50RB#50	20.14	PASS
Band41	20MHz	16QAM	41140	100RB#0	20.14	PASS

## Appendix B Max Effective (Isotropic) Radiated Power

### Test Result

LTE Band 41								
Antenna Gain(dBi)		3.03						
EIRP Limit(W)		2.00						
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Output Power (dBm)	EIRP (dBm)	EIRP (W)	99% BW (KHz)	Emission Designator
5.0	QPSK	2557.5	2652.5	22.16	25.19	0.33037	4495.0	4M50G7D
	16QAM			21.19	24.22	0.26424	4496.0	4M50W7D
10.0	QPSK	2560	2650	22.44	25.47	0.35237	8990.7	8M99G7D
	16QAM			21.29	24.32	0.27040	8992.0	8M99W7D
15.0	QPSK	2562.5	2647.5	22.13	25.16	0.32810	13494	13M5G7D
	16QAM			21.22	24.25	0.26607	13519	13M5W7D
20.0	QPSK	2565	2645	22.36	25.39	0.34594	18022	18M0G7D
	16QAM			21.47	24.50	0.28184	17985	18M0W7D

Note: EIRP= Conducted Output Power + Antenna Gain

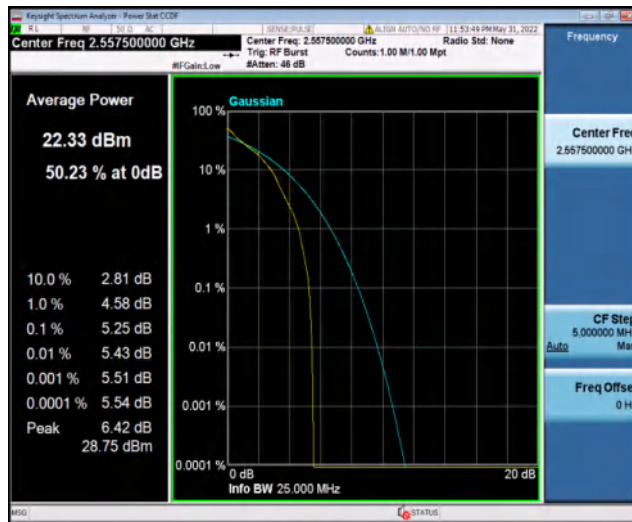
**Appendix C : Peak-to-Average Ratio(CCDF)****Test Result**

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	5MHz	QPSK	40265	1RB#0	5.25	13	PASS
Band41	5MHz	QPSK	40265	25RB#0	5.56	13	PASS
Band41	5MHz	QPSK	40740	1RB#0	3.48	13	PASS
Band41	5MHz	QPSK	40740	25RB#0	4.37	13	PASS
Band41	5MHz	QPSK	41215	1RB#0	3.83	13	PASS
Band41	5MHz	QPSK	41215	25RB#0	4.55	13	PASS
Band41	5MHz	16QAM	40265	1RB#0	5.83	13	PASS
Band41	5MHz	16QAM	40265	25RB#0	6.32	13	PASS
Band41	5MHz	16QAM	40740	1RB#0	4.54	13	PASS
Band41	5MHz	16QAM	40740	25RB#0	5.11	13	PASS
Band41	5MHz	16QAM	41215	1RB#0	4.91	13	PASS
Band41	5MHz	16QAM	41215	25RB#0	5.49	13	PASS
Band41	10MHz	QPSK	40290	1RB#0	5.26	13	PASS
Band41	10MHz	QPSK	40290	50RB#0	5.48	13	PASS
Band41	10MHz	QPSK	40740	1RB#0	3.78	13	PASS
Band41	10MHz	QPSK	40740	50RB#0	4.40	13	PASS
Band41	10MHz	QPSK	41190	1RB#0	4.41	13	PASS
Band41	10MHz	QPSK	41190	50RB#0	4.83	13	PASS
Band41	10MHz	16QAM	40290	1RB#0	6.02	13	PASS
Band41	10MHz	16QAM	40290	50RB#0	6.21	13	PASS
Band41	10MHz	16QAM	40740	1RB#0	4.91	13	PASS
Band41	10MHz	16QAM	40740	50RB#0	5.26	13	PASS
Band41	10MHz	16QAM	41190	1RB#0	5.29	13	PASS
Band41	10MHz	16QAM	41190	50RB#0	5.62	13	PASS
Band41	15MHz	QPSK	40315	1RB#0	5.60	13	PASS
Band41	15MHz	QPSK	40315	75RB#0	5.77	13	PASS
Band41	15MHz	QPSK	40740	1RB#0	3.80	13	PASS
Band41	15MHz	QPSK	40740	75RB#0	4.76	13	PASS
Band41	15MHz	QPSK	41165	1RB#0	8.44	13	PASS
Band41	15MHz	QPSK	41165	75RB#0	8.43	13	PASS
Band41	15MHz	16QAM	40315	1RB#0	8.39	13	PASS
Band41	15MHz	16QAM	40315	75RB#0	8.39	13	PASS
Band41	15MHz	16QAM	40740	1RB#0	8.41	13	PASS
Band41	15MHz	16QAM	40740	75RB#0	5.48	13	PASS
Band41	15MHz	16QAM	41165	1RB#0	5.60	13	PASS
Band41	15MHz	16QAM	41165	75RB#0	6.11	13	PASS
Band41	20MHz	QPSK	40340	1RB#0	4.96	13	PASS
Band41	20MHz	QPSK	40340	100RB#0	5.55	13	PASS
Band41	20MHz	QPSK	40740	1RB#0	8.41	13	PASS
Band41	20MHz	QPSK	40740	100RB#0	8.43	13	PASS
Band41	20MHz	QPSK	41140	1RB#0	8.41	13	PASS
Band41	20MHz	QPSK	41140	100RB#0	8.41	13	PASS

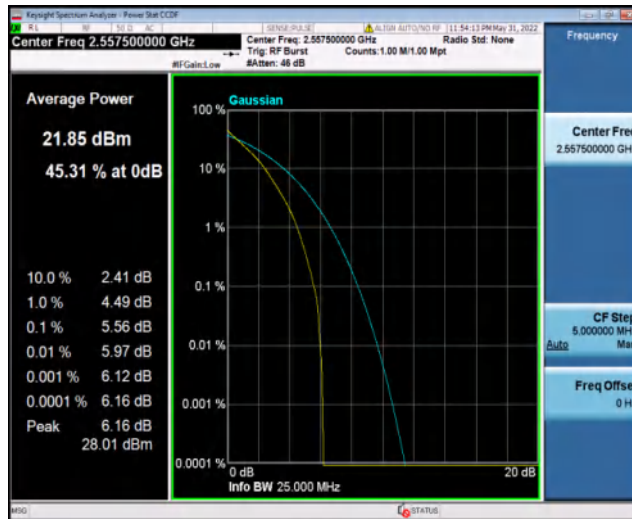
## FCC ID:SMQSE120XPRO

Band41	20MHz	16QAM	40340	1RB#0	8.42	13	PASS
Band41	20MHz	16QAM	40340	100RB#0	6.32	13	PASS
Band41	20MHz	16QAM	40740	1RB#0	5.12	13	PASS
Band41	20MHz	16QAM	40740	100RB#0	5.66	13	PASS
Band41	20MHz	16QAM	41140	1RB#0	6.05	13	PASS
Band41	20MHz	16QAM	41140	100RB#0	6.25	13	PASS

Test Graphs



Band41-5MHz-QPSK-40265-1RB#0

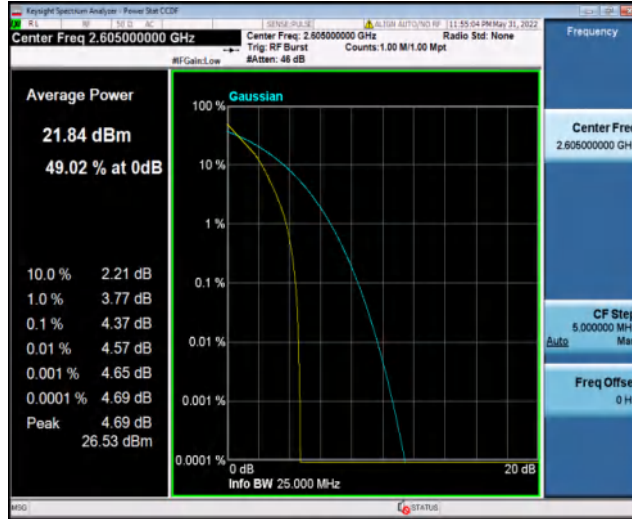


Band41-5MHz-QPSK-40265-25RB#0



Band41-5MHz-QPSK-40740-1RB#0





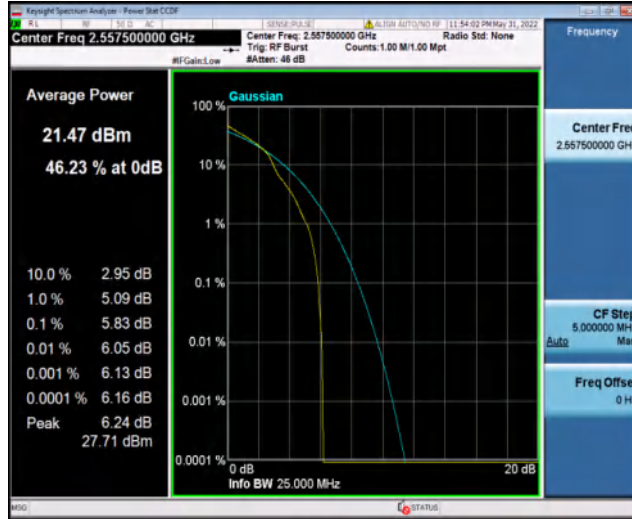
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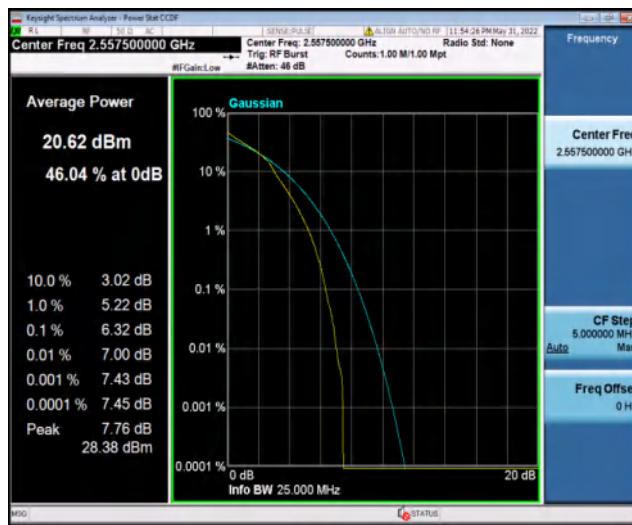
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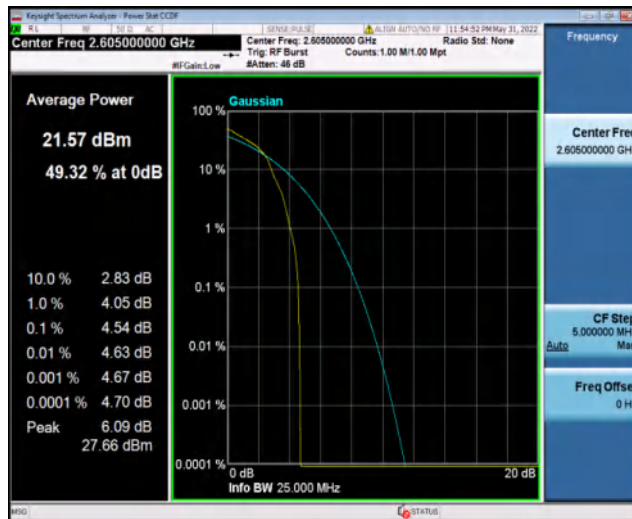
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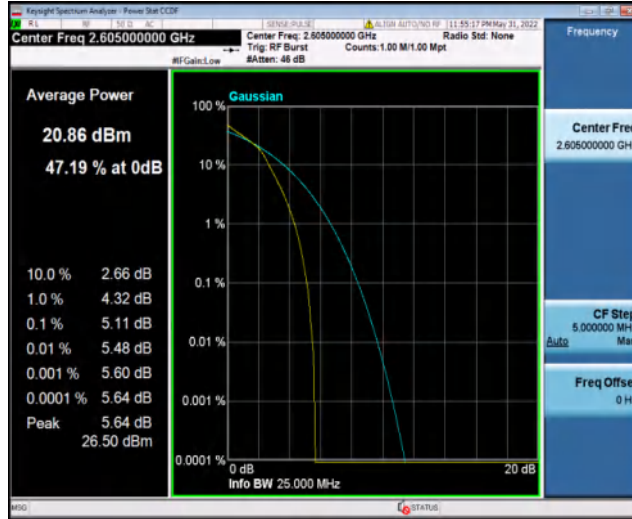
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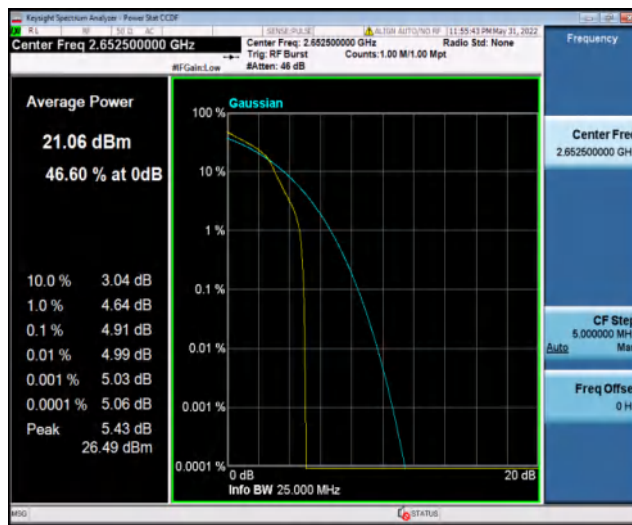
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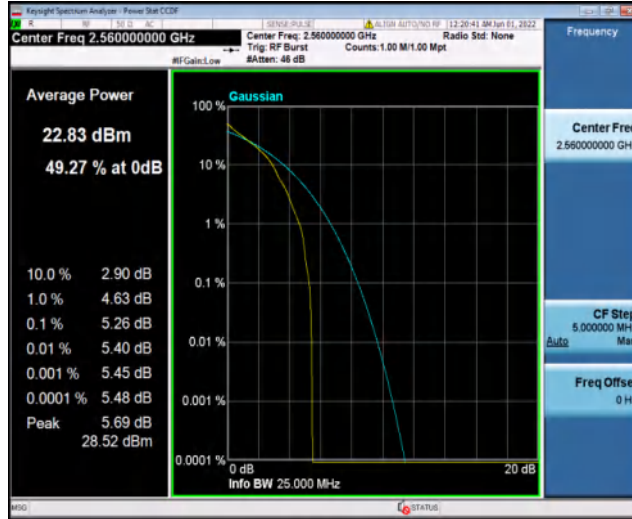
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Band41-5MHz-16QAM-41215-1RB#0



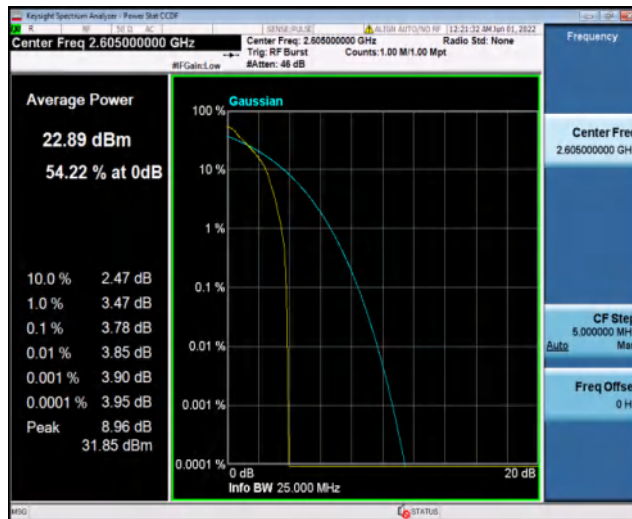
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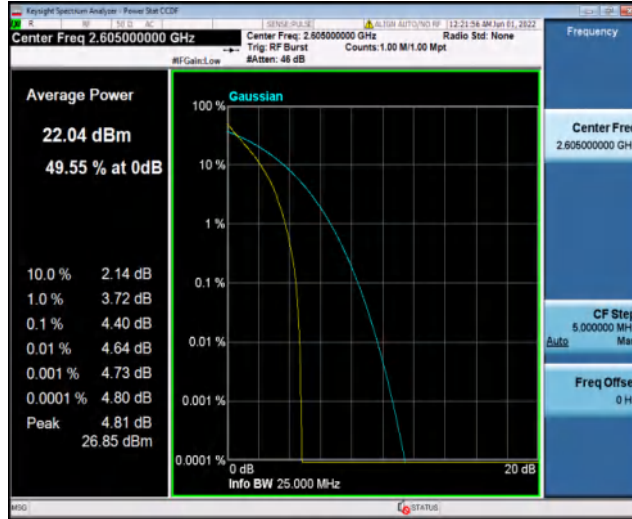
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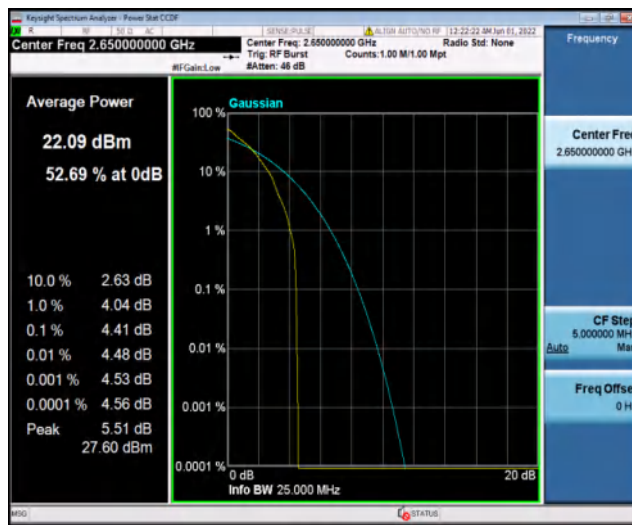
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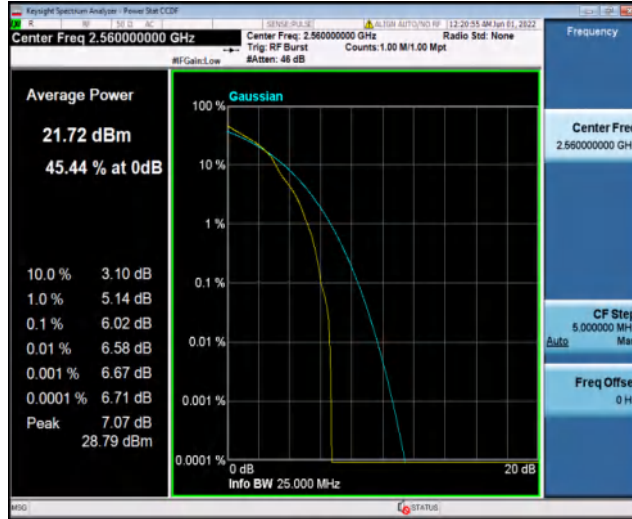
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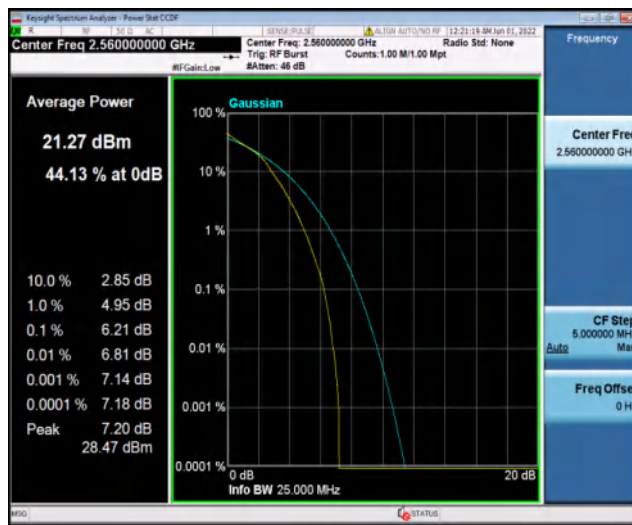
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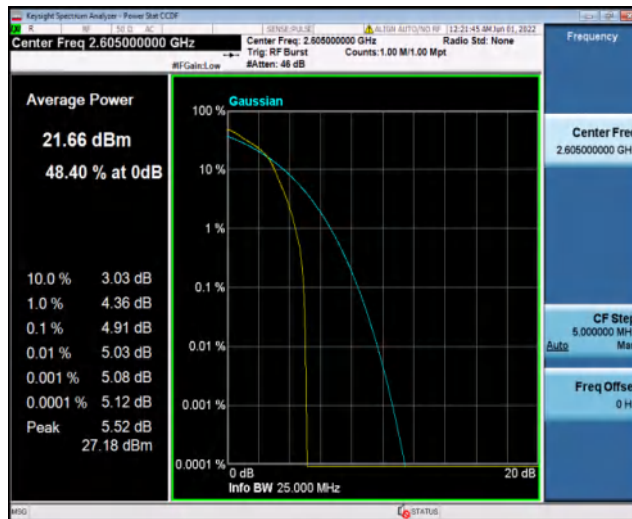
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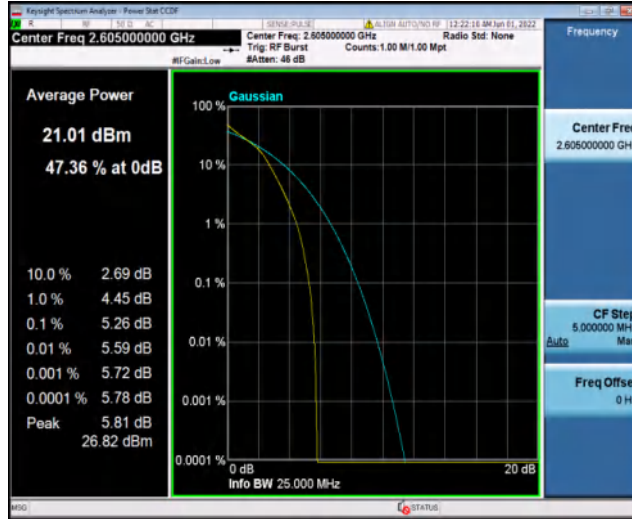
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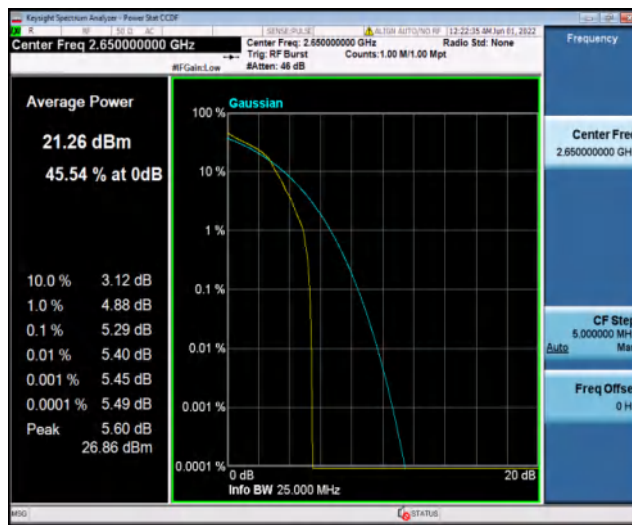
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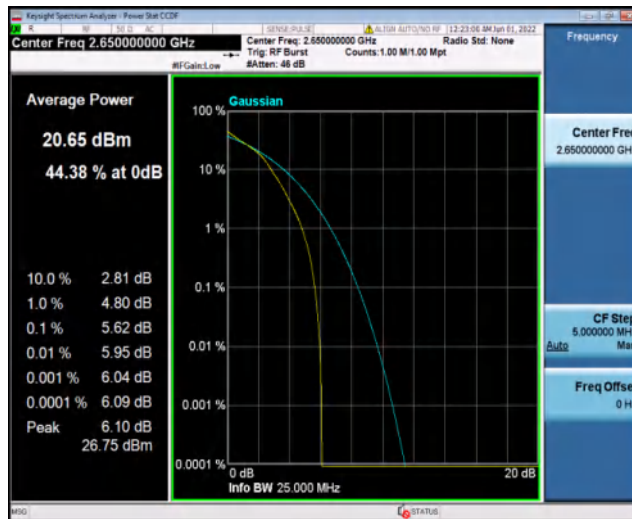
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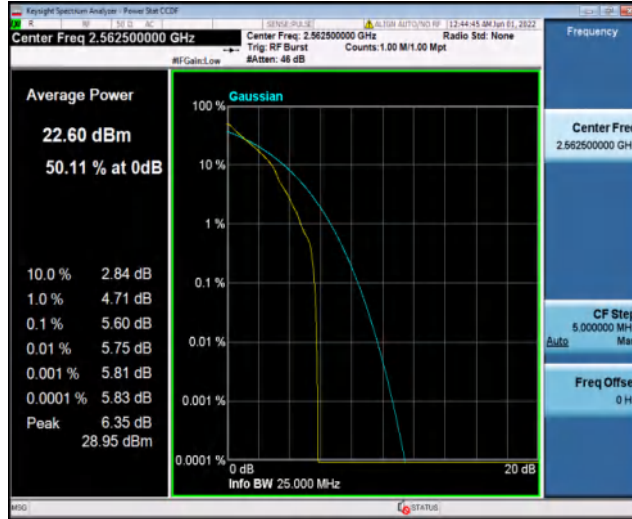
Band41-10MHz-16QAM-40740-50RB#0



Band41-10MHz-16QAM-41190-1RB#0



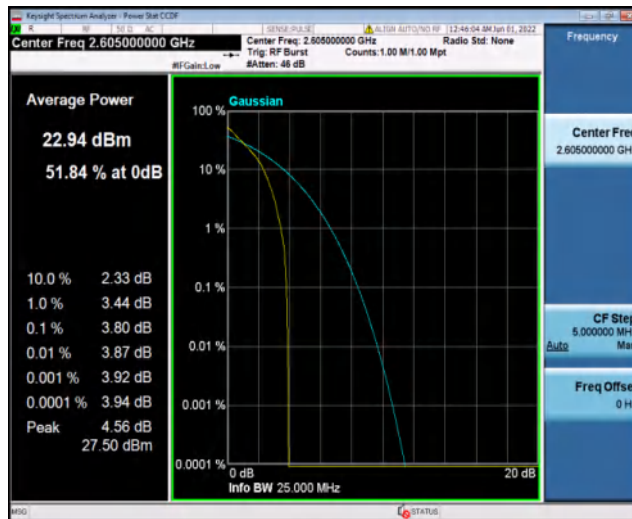
Band41-10MHz-16QAM-41190-50RB#0



Band41-15MHz-QPSK-40315-1RB#0

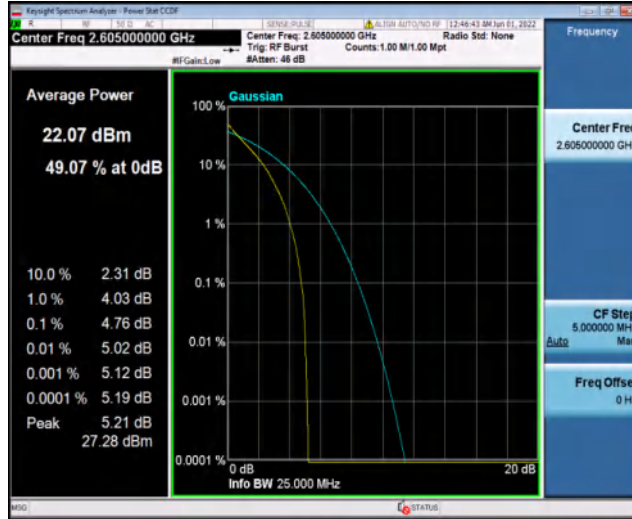


Band41-15MHz-QPSK-40315-75RB#0



Band41-15MHz-QPSK-40740-1RB#0





Band41-15MHz-QPSK-40740-75RB#0



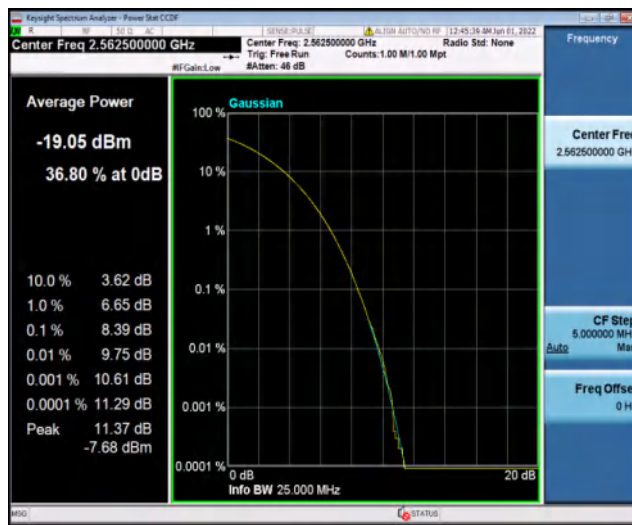
Band41-15MHz-QPSK-41165-1RB#0



Band41-15MHz-QPSK-41165-75RB#0



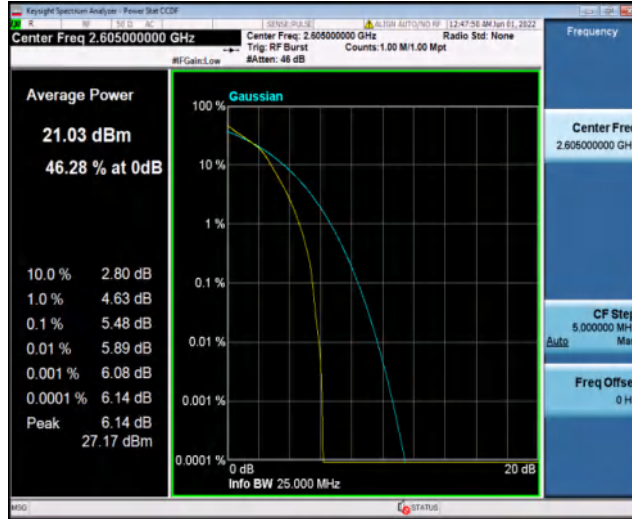
Band41-15MHz-16QAM-40315-1RB#0



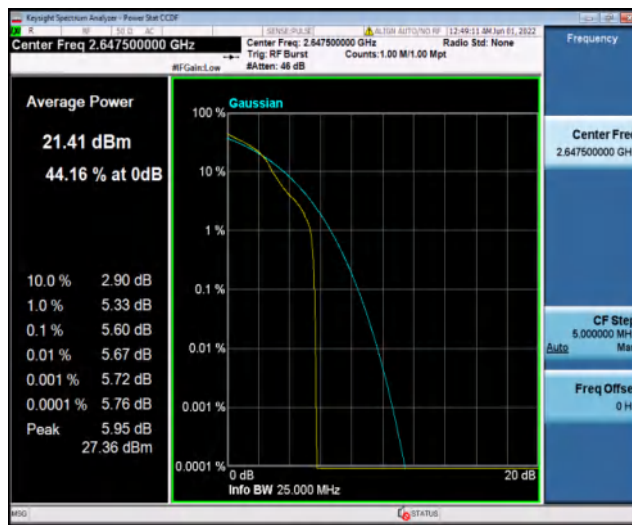
Band41-15MHz-16QAM-40315-75RB#0



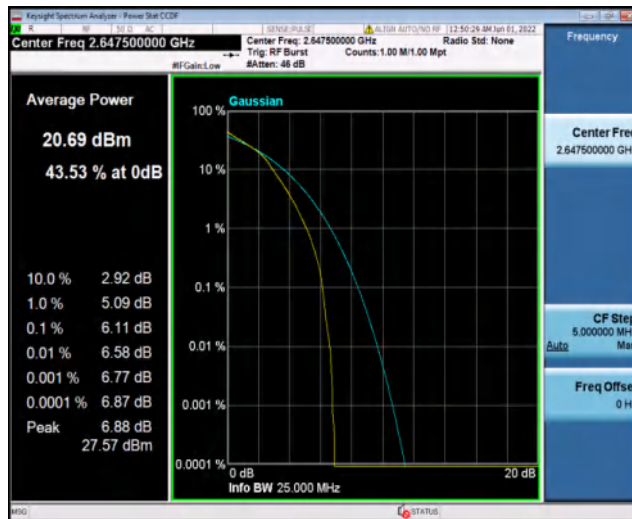
Band41-15MHz-16QAM-40740-1RB#0



Band41-15MHz-16QAM-40740-75RB#0



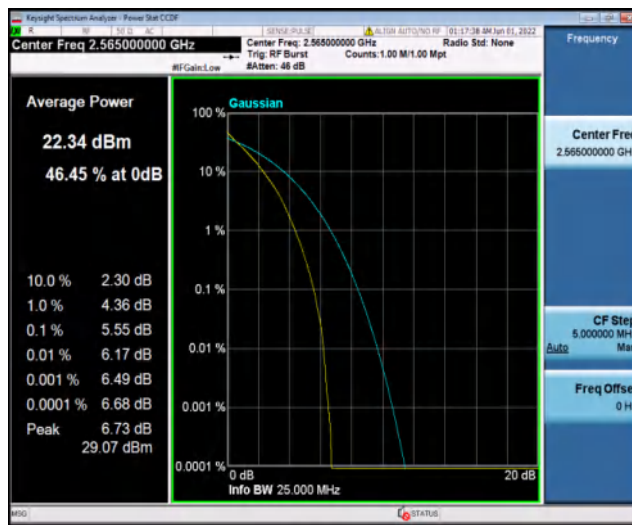
Band41-15MHz-16QAM-41165-1RB#0



Band41-15MHz-16QAM-41165-75RB#0



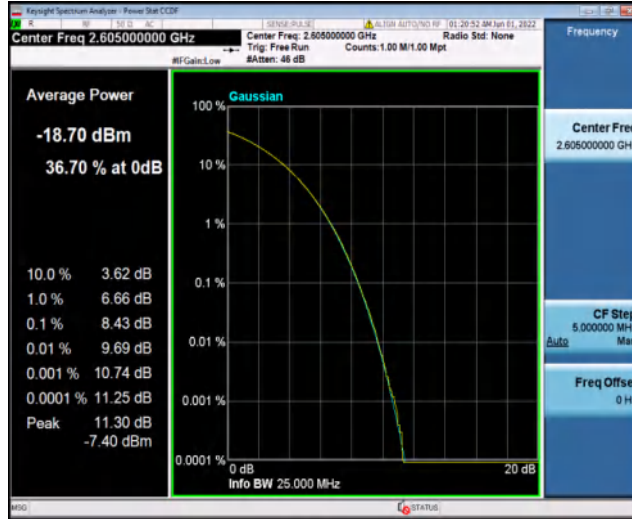
Band41-20MHz-QPSK-40340-1RB#0



Band41-20MHz-QPSK-40340-100RB#0



Band41-20MHz-QPSK-40740-1RB#0



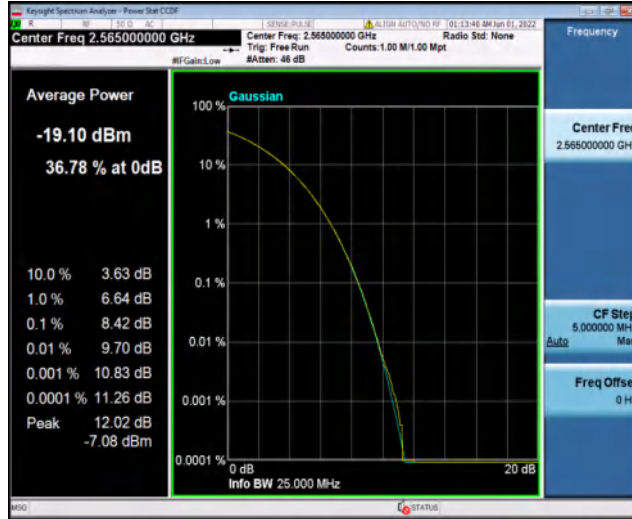
Band41-20MHz-QPSK-40740-100RB#0



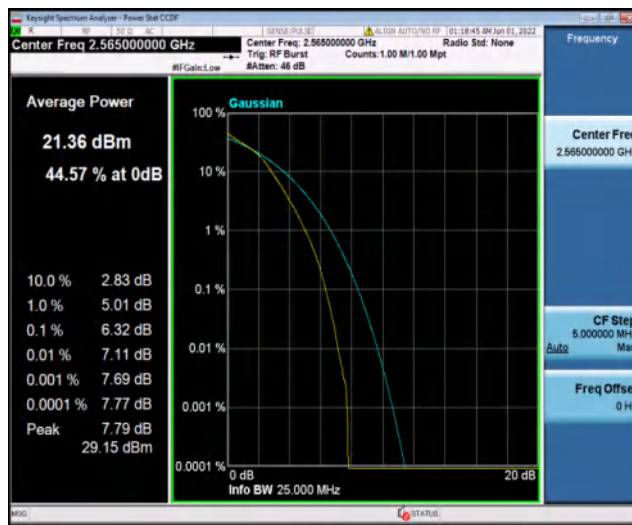
Band41-20MHz-QPSK-41140-1RB#0



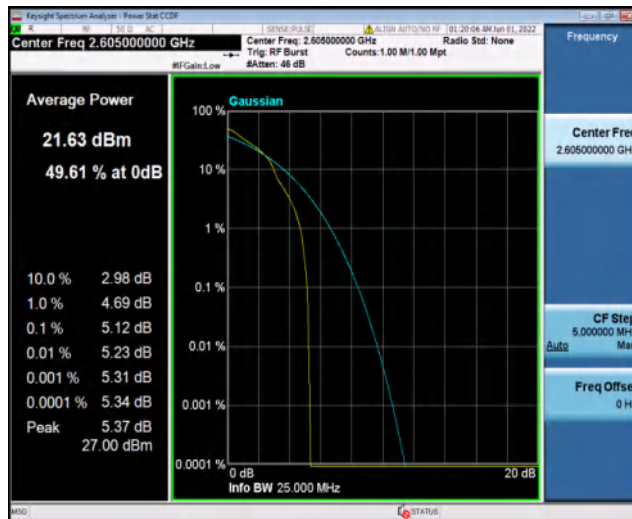
Band41-20MHz-QPSK-41140-100RB#0



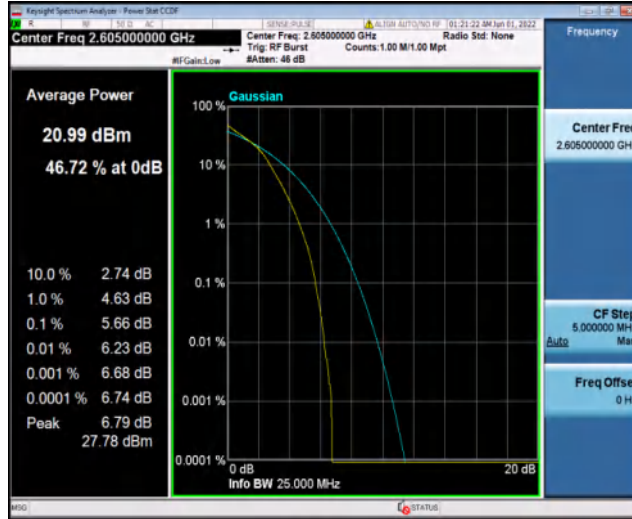
Band41-20MHz-16QAM-40340-1RB#0



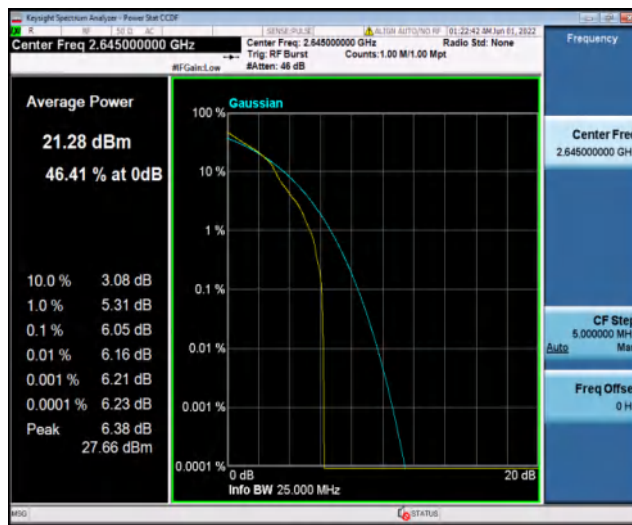
Band41-20MHz-16QAM-40340-100RB#0



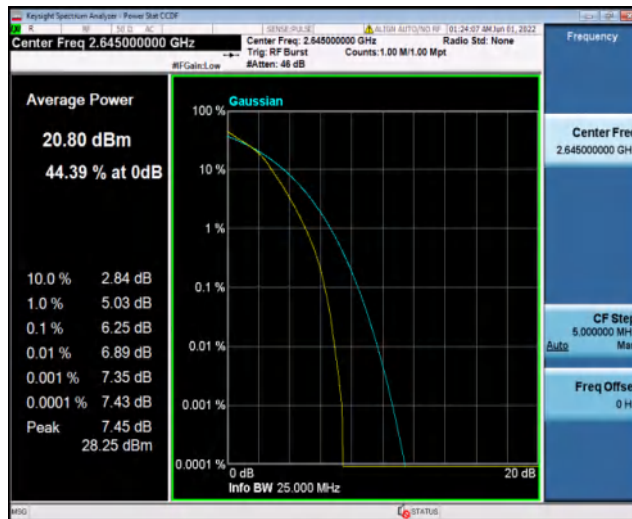
Band41-20MHz-16QAM-40740-1RB#0



Band41-20MHz-16QAM-40740-100RB#0



Band41-20MHz-16QAM-41140-1RB#0



Band41-20MHz-16QAM-41140-100RB#0

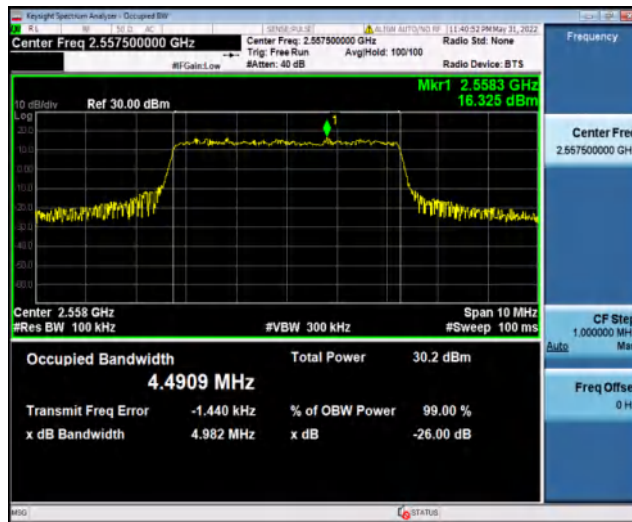
## Appendix D : 26dB Bandwidth and Occupied Bandwidth

### Test Result

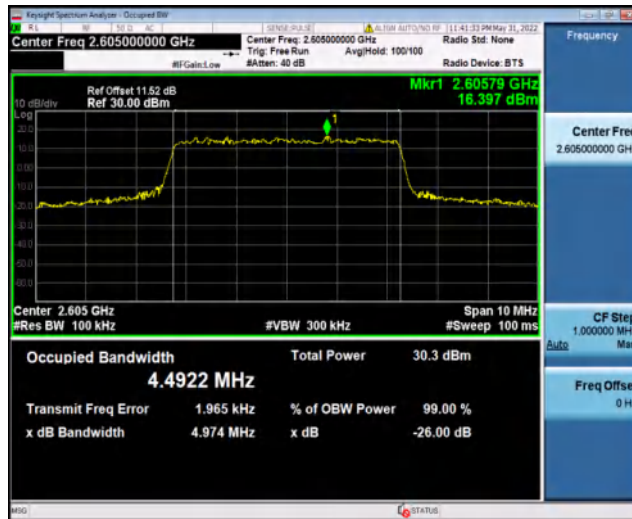
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	40265	25RB#0	4.4909	4.491	PASS
Band41	5MHz	QPSK	40740	25RB#0	4.4922	4.492	PASS
Band41	5MHz	QPSK	41215	25RB#0	4.4950	4.495	PASS
Band41	5MHz	16QAM	40265	25RB#0	4.4960	4.496	PASS
Band41	5MHz	16QAM	40740	25RB#0	4.4902	4.490	PASS
Band41	5MHz	16QAM	41215	25RB#0	4.4856	4.486	PASS
Band41	10MHz	QPSK	40290	50RB#0	8.9907	8.991	PASS
Band41	10MHz	QPSK	40740	50RB#0	8.9747	8.975	PASS
Band41	10MHz	QPSK	41190	50RB#0	8.9623	8.962	PASS
Band41	10MHz	16QAM	40290	50RB#0	8.9773	8.977	PASS
Band41	10MHz	16QAM	40740	50RB#0	8.9920	8.992	PASS
Band41	10MHz	16QAM	41190	50RB#0	8.9608	8.961	PASS
Band41	15MHz	QPSK	40315	75RB#0	13.442	13.44	PASS
Band41	15MHz	QPSK	40740	75RB#0	13.489	13.49	PASS
Band41	15MHz	QPSK	41165	75RB#0	13.494	13.49	PASS
Band41	15MHz	16QAM	40315	75RB#0	13.512	13.51	PASS
Band41	15MHz	16QAM	40740	75RB#0	13.495	13.49	PASS
Band41	15MHz	16QAM	41165	75RB#0	13.519	13.52	PASS
Band41	20MHz	QPSK	40340	100RB#0	18.005	18.00	PASS
Band41	20MHz	QPSK	40740	100RB#0	17.932	17.93	PASS
Band41	20MHz	QPSK	41140	100RB#0	18.022	18.02	PASS
Band41	20MHz	16QAM	40340	100RB#0	17.938	17.94	PASS
Band41	20MHz	16QAM	40740	100RB#0	17.922	17.92	PASS
Band41	20MHz	16QAM	41140	100RB#0	17.985	17.99	PASS



Test Graphs



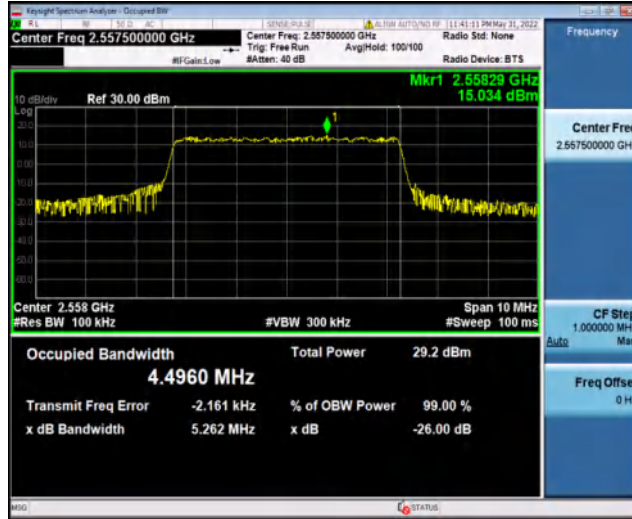
Band41-5MHz-QPSK-40265-25RB#0-4.4909



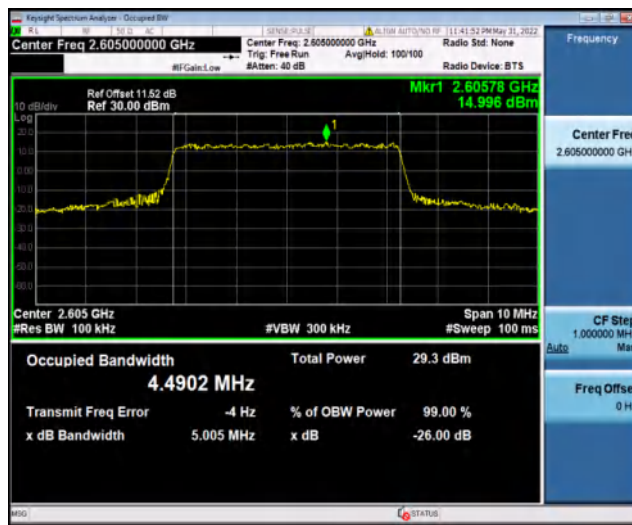
Band41-5MHz-QPSK-40740-25RB#0-4.4922



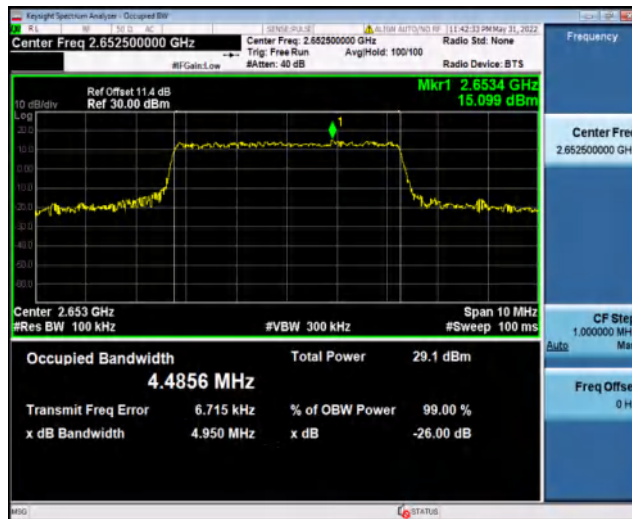
Band41-5MHz-QPSK-41215-25RB#0-4.4950



Band41-5MHz-16QAM-40265-25RB#0-4.4960



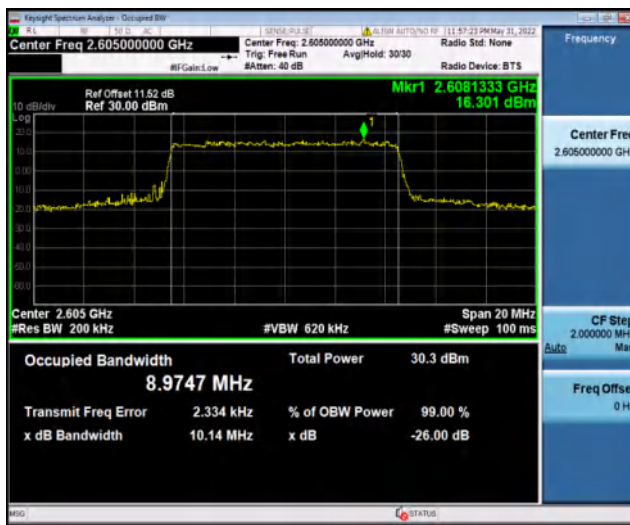
Band41-5MHz-16QAM-40740-25RB#0-4.4902



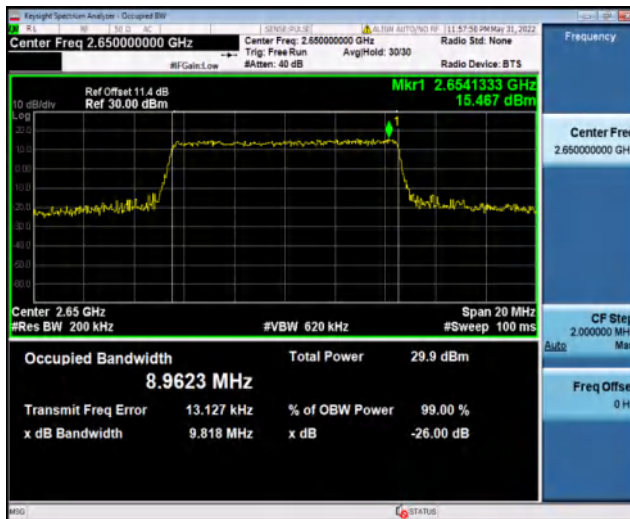
Band41-5MHz-16QAM-41215-25RB#0-4.4856



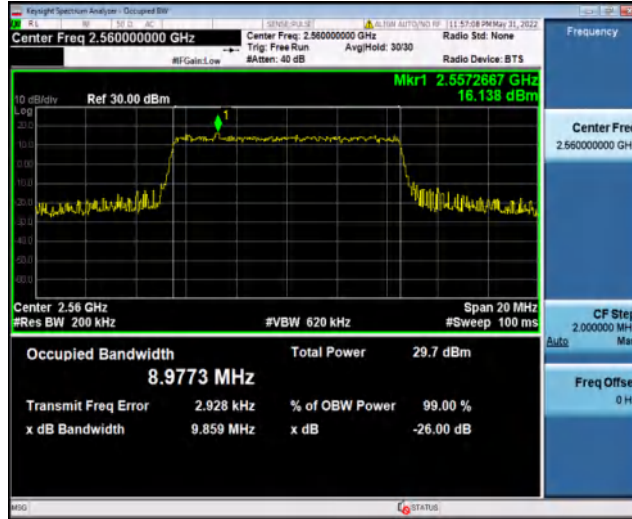
Band41-10MHz-QPSK-40290-50RB#0-8.9907



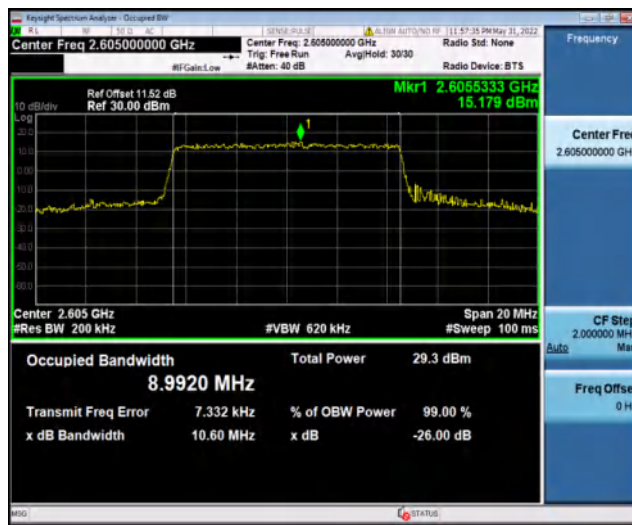
Band41-10MHz-QPSK-40740-50RB#0-8.9747



Band41-10MHz-QPSK-41190-50RB#0-8.9623



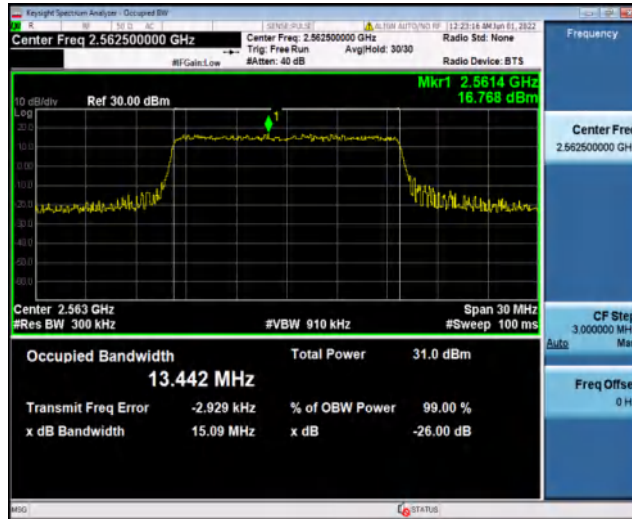
Band41-10MHz-16QAM-40290-50RB#0-8.9773



Band41-10MHz-16QAM-40740-50RB#0-8.9920



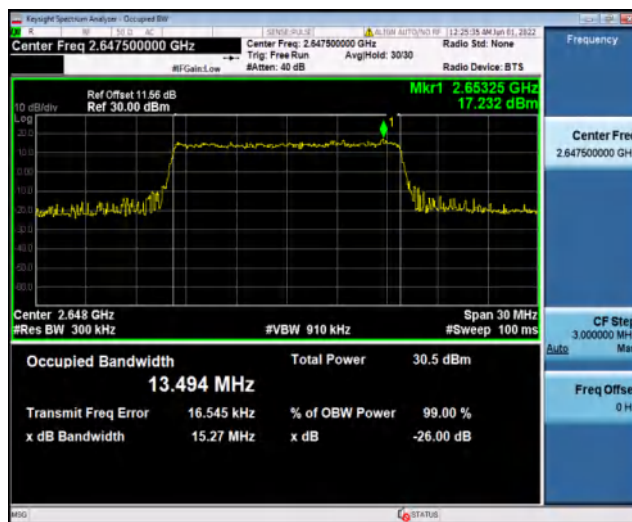
Band41-10MHz-16QAM-41190-50RB#0-8.9608



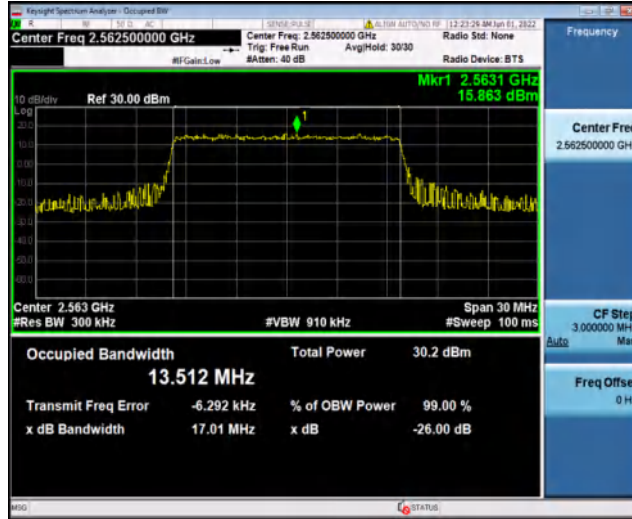
Band41-15MHz-QPSK-40315-75RB#0-13.442



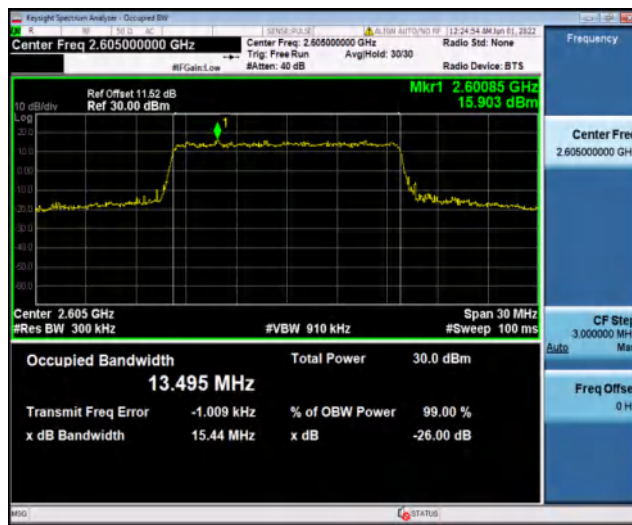
Band41-15MHz-QPSK-40740-75RB#0-13.489



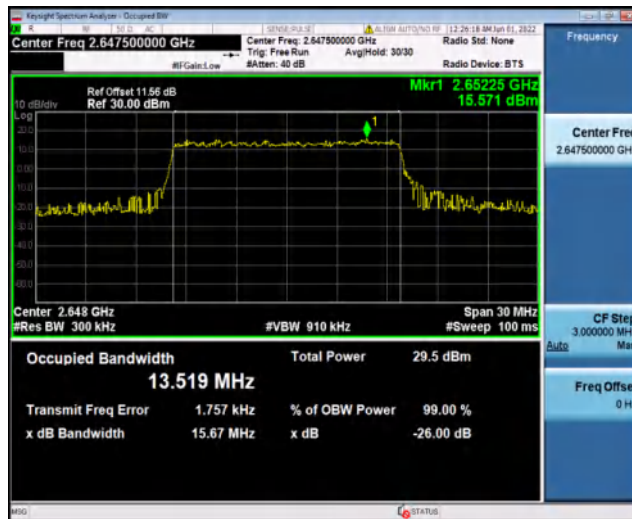
Band41-15MHz-QPSK-41165-75RB#0-13.494



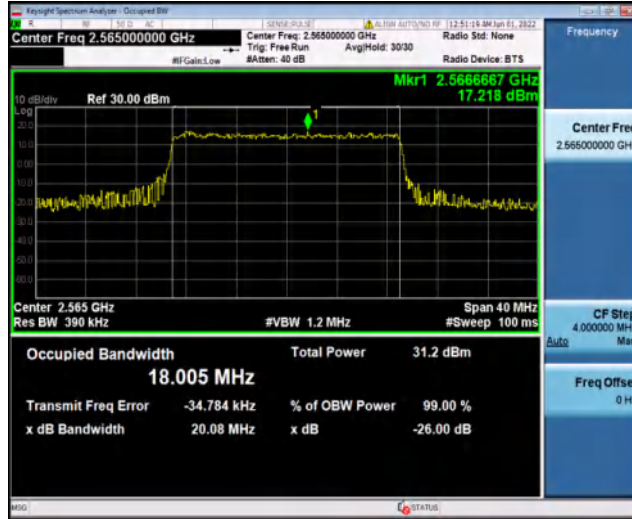
Band41-15MHz-16QAM-40315-75RB#0-13.512



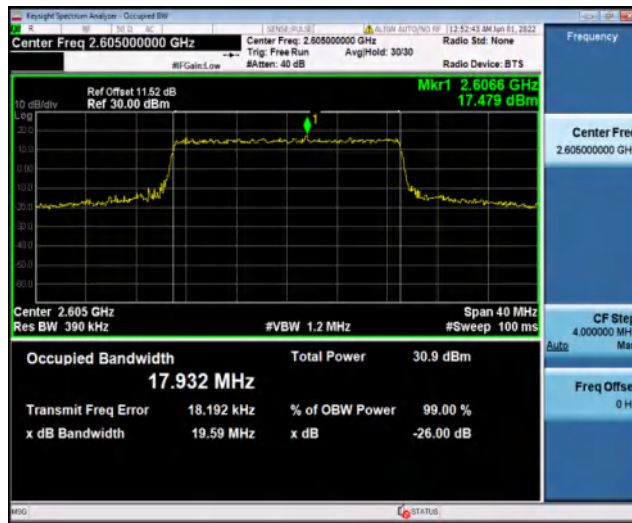
Band41-15MHz-16QAM-40740-75RB#0-13.495



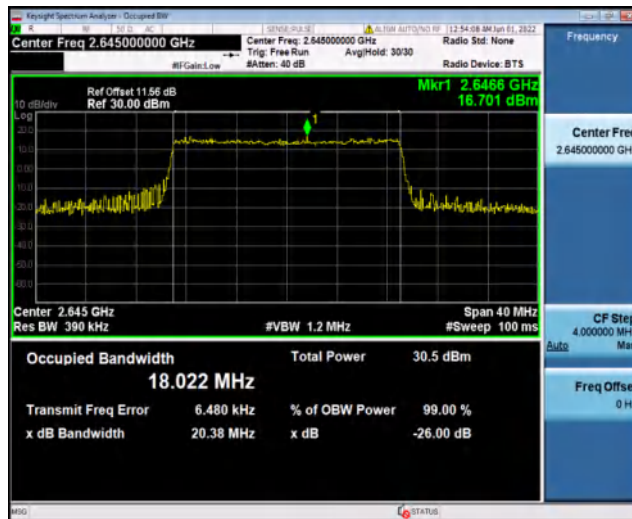
Band41-15MHz-16QAM-41165-75RB#0-13.519



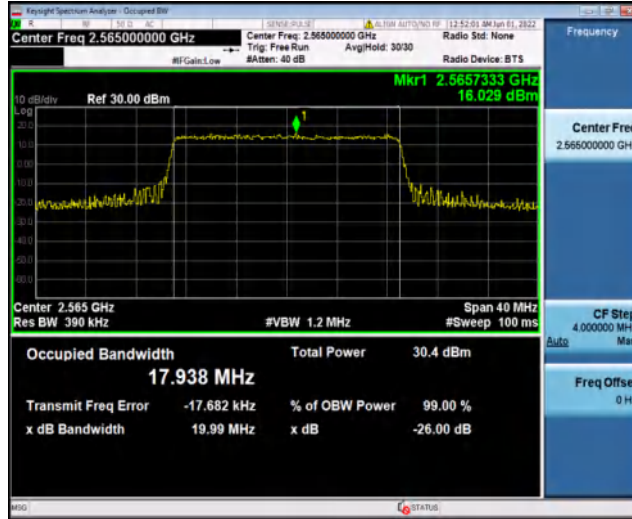
Band41-20MHz-QPSK-40340-100RB#0-18.005



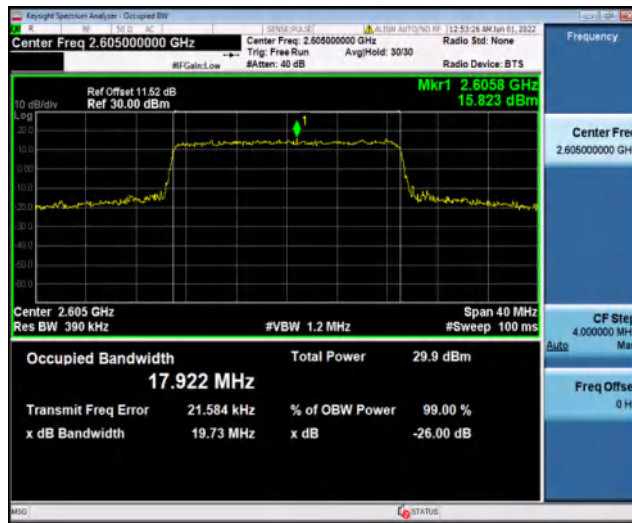
Band41-20MHz-QPSK-40740-100RB#0-17.932



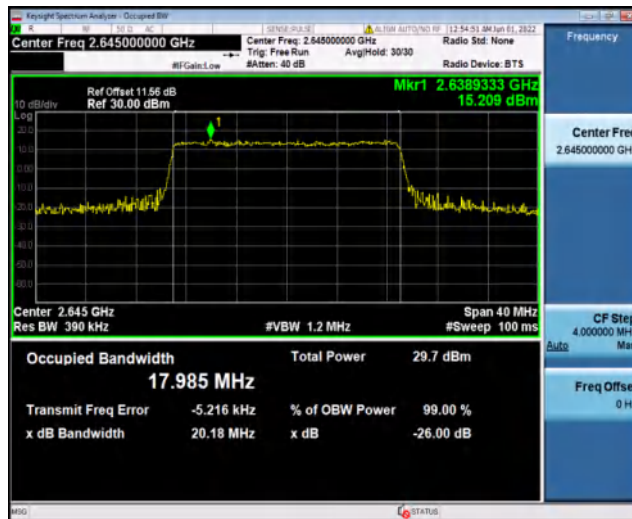
Band41-20MHz-QPSK-41140-100RB#0-18.022



Band41-20MHz-16QAM-40340-100RB#0-17.938



Band41-20MHz-16QAM-40740-100RB#0-17.922



Band41-20MHz-16QAM-41140-100RB#0-17.985



## Appendix E : Band Edge

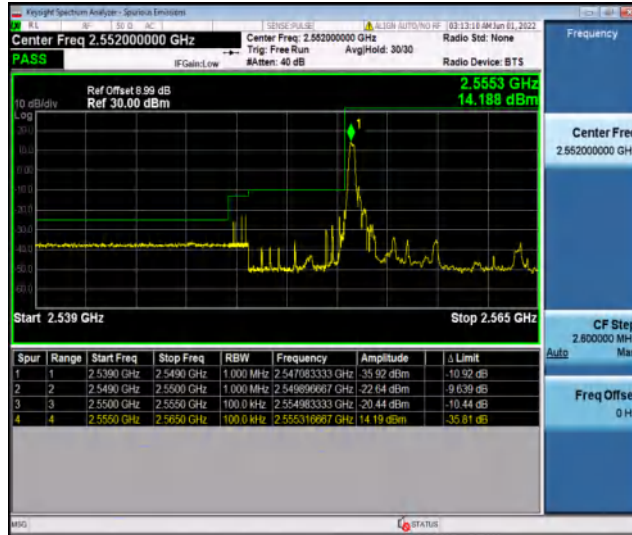
### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band41	5MHz	QPSK	40265	1RB#0	PASS
Band41	5MHz	QPSK	40265	1RB#24	PASS
Band41	5MHz	QPSK	40265	25RB#0	PASS
Band41	5MHz	QPSK	41215	1RB#0	PASS
Band41	5MHz	QPSK	41215	1RB#24	PASS
Band41	5MHz	QPSK	41215	25RB#0	PASS
Band41	5MHz	16QAM	40265	1RB#0	PASS
Band41	5MHz	16QAM	40265	1RB#24	PASS
Band41	5MHz	16QAM	40265	25RB#0	PASS
Band41	5MHz	16QAM	41215	1RB#0	PASS
Band41	5MHz	16QAM	41215	1RB#24	PASS
Band41	5MHz	16QAM	41215	25RB#0	PASS
Band41	10MHz	QPSK	40290	1RB#0	PASS
Band41	10MHz	QPSK	40290	1RB#49	PASS
Band41	10MHz	QPSK	40290	50RB#0	PASS
Band41	10MHz	QPSK	41190	1RB#0	PASS
Band41	10MHz	QPSK	41190	1RB#49	PASS
Band41	10MHz	QPSK	41190	50RB#0	PASS
Band41	10MHz	16QAM	40290	1RB#0	PASS
Band41	10MHz	16QAM	40290	1RB#49	PASS
Band41	10MHz	16QAM	40290	50RB#0	PASS
Band41	10MHz	16QAM	41190	1RB#0	PASS
Band41	10MHz	16QAM	41190	1RB#49	PASS
Band41	10MHz	16QAM	41190	50RB#0	PASS
Band41	15MHz	QPSK	40315	1RB#0	PASS
Band41	15MHz	QPSK	40315	1RB#74	PASS
Band41	15MHz	QPSK	40315	75RB#0	PASS
Band41	15MHz	QPSK	41165	1RB#0	PASS
Band41	15MHz	QPSK	41165	1RB#74	PASS
Band41	15MHz	QPSK	41165	75RB#0	PASS
Band41	15MHz	16QAM	40315	1RB#0	PASS
Band41	15MHz	16QAM	40315	1RB#74	PASS
Band41	15MHz	16QAM	40315	75RB#0	PASS
Band41	15MHz	16QAM	41165	1RB#0	PASS
Band41	15MHz	16QAM	41165	1RB#74	PASS
Band41	15MHz	16QAM	41165	75RB#0	PASS
Band41	20MHz	QPSK	40340	1RB#0	PASS
Band41	20MHz	QPSK	40340	1RB#99	PASS
Band41	20MHz	QPSK	40340	100RB#0	PASS
Band41	20MHz	QPSK	41140	1RB#0	PASS
Band41	20MHz	QPSK	41140	1RB#99	PASS
Band41	20MHz	QPSK	41140	100RB#0	PASS

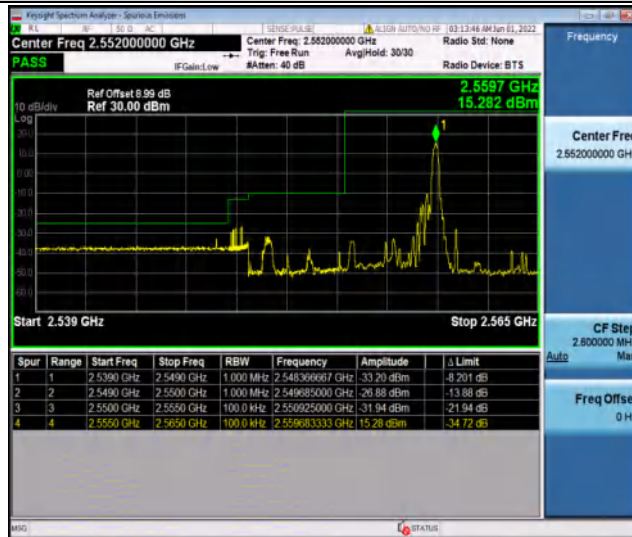
FCC ID:SMQSE120XPRO

Band41	20MHz	16QAM	40340	1RB#0	PASS
Band41	20MHz	16QAM	40340	1RB#99	PASS
Band41	20MHz	16QAM	40340	100RB#0	PASS
Band41	20MHz	16QAM	41140	1RB#0	PASS
Band41	20MHz	16QAM	41140	1RB#99	PASS
Band41	20MHz	16QAM	41140	100RB#0	PASS

Test Graphs



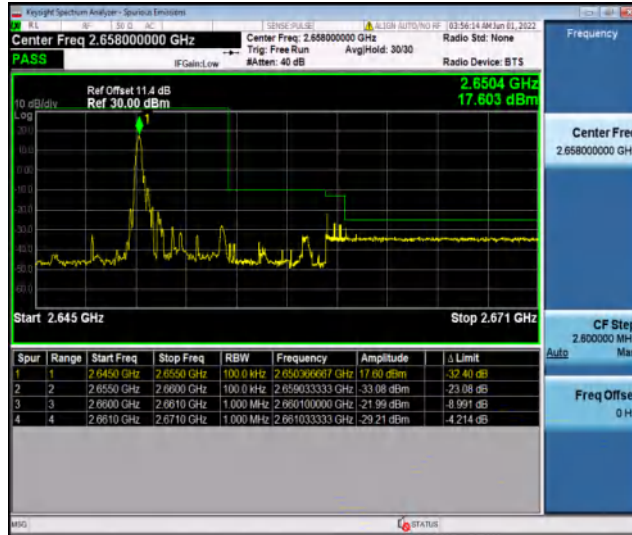
Band41-5MHz-QPSK-40265-1RB#0



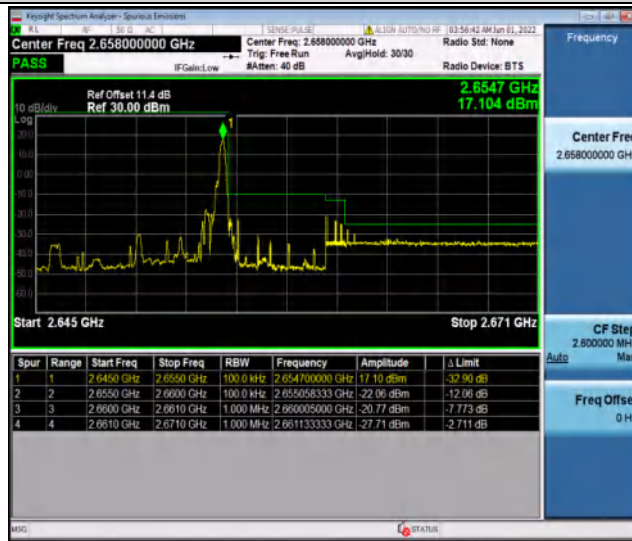
Band41-5MHz-QPSK-40265-1RB#24



Band41-5MHz-QPSK-40265-25RB#0



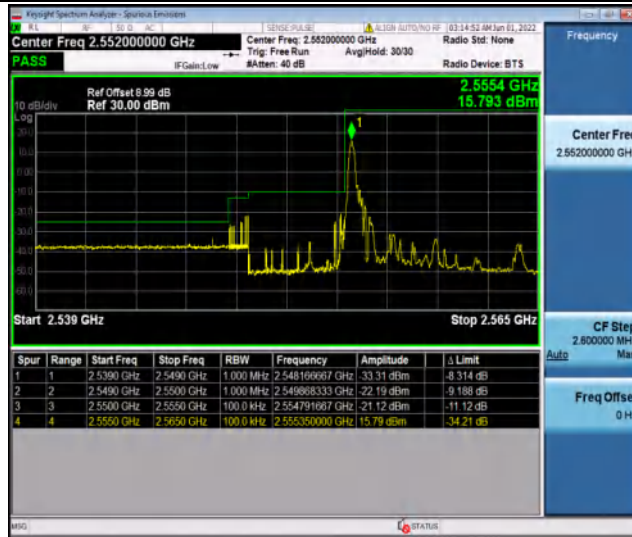
Band41-5MHz-QPSK-41215-1RB#0



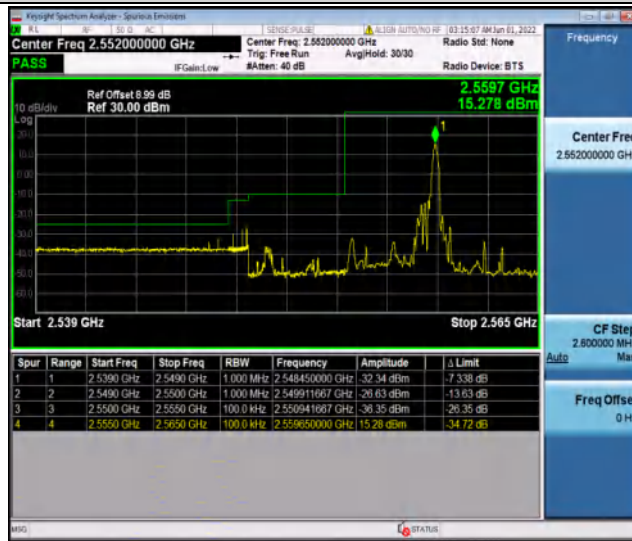
Band41-5MHz-QPSK-41215-1RB#24



Band41-5MHz-QPSK-41215-25RB#0



Band41-5MHz-16QAM-40265-1RB#0



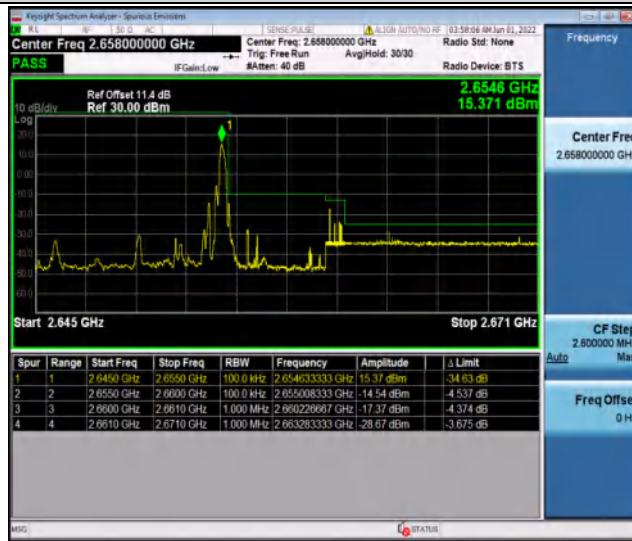
Band41-5MHz-16QAM-40265-1RB#24



Band41-5MHz-16QAM-40265-25RB#0



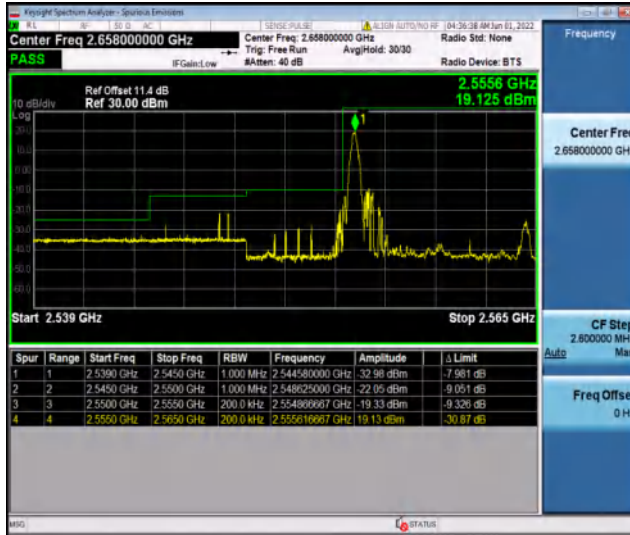
Band41-5MHz-16QAM-41215-1RB#0



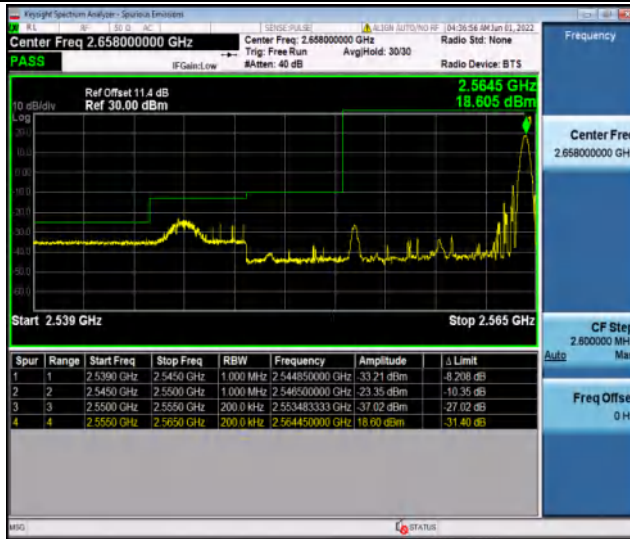
Band41-5MHz-16QAM-41215-1RB#24



Band41-5MHz-16QAM-41215-25RB#0



Band41-10MHz-QPSK-40290-1RB#0



Band41-10MHz-QPSK-40290-1RB#49



Band41-10MHz-QPSK-40290-50RB#0



Band41-10MHz-QPSK-41190-1RB#0

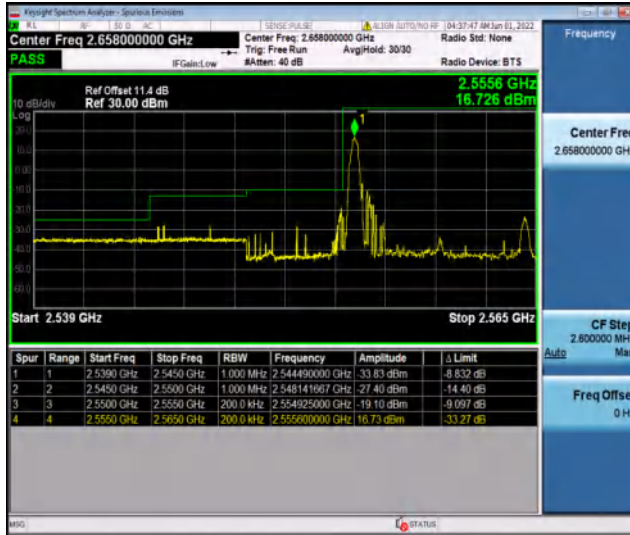


Band41-10MHz-QPSK-41190-1RB#49



Band41-10MHz-QPSK-41190-50RB#0





Band41-10MHz-16QAM-40290-1RB#0



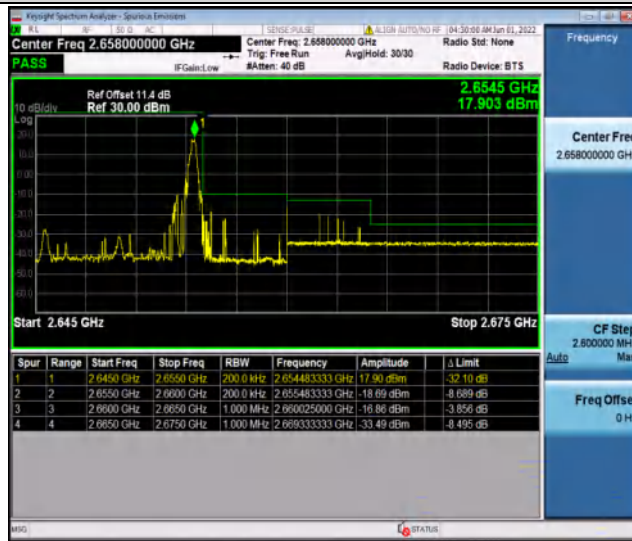
Band41-10MHz-16QAM-40290-1RB#49



Band41-10MHz-16QAM-40290-50RB#0



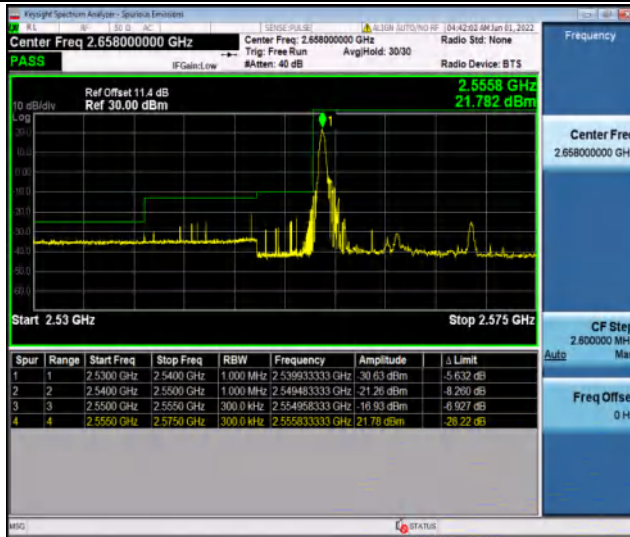
Band41-10MHz-16QAM-41190-1RB#0



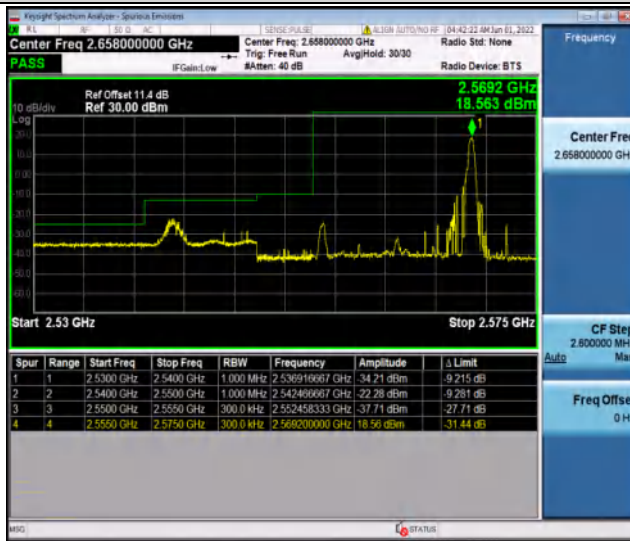
Band41-10MHz-16QAM-41190-1RB#49



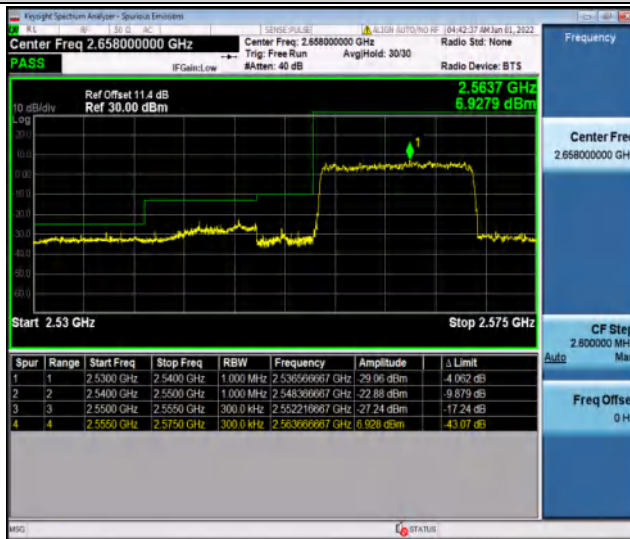
Band41-10MHz-16QAM-41190-50RB#0



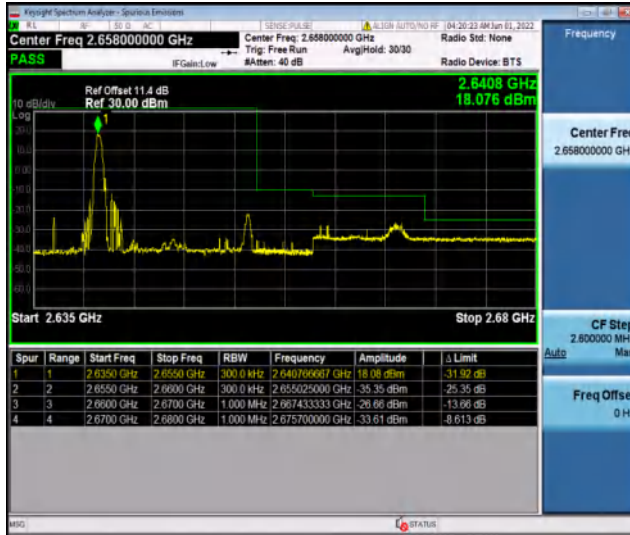
Band41-15MHz-QPSK-40315-1RB#0



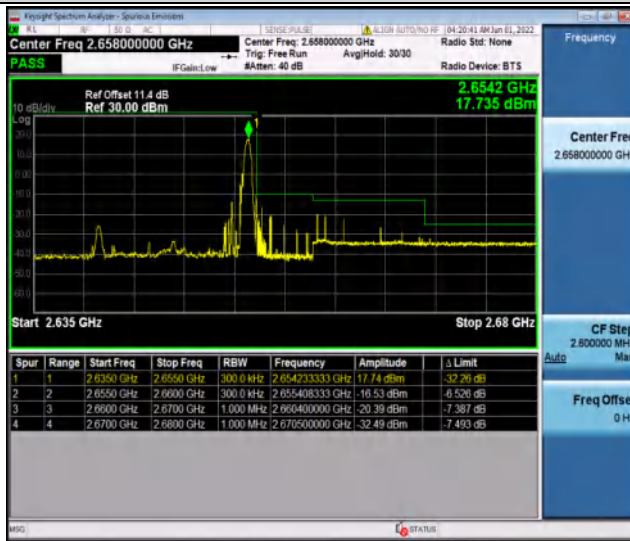
Band41-15MHz-QPSK-40315-1RB#74



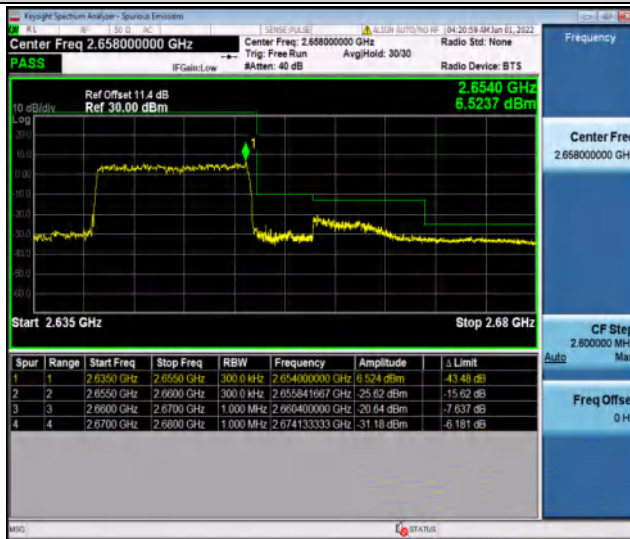
Band41-15MHz-QPSK-40315-75RB#0



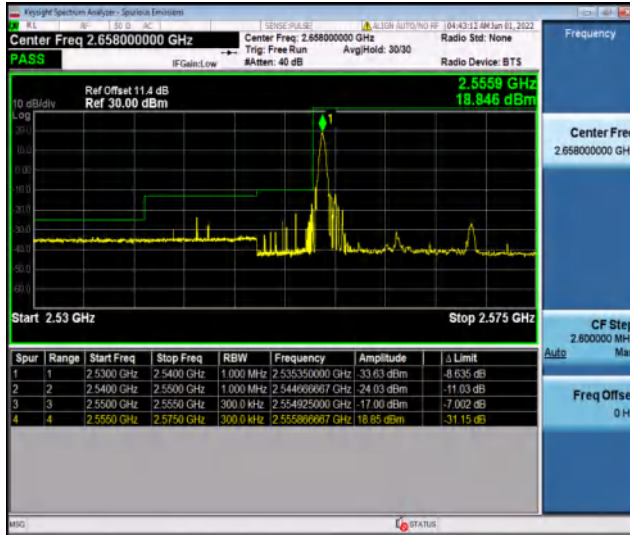
Band41-15MHz-QPSK-41165-1RB#0



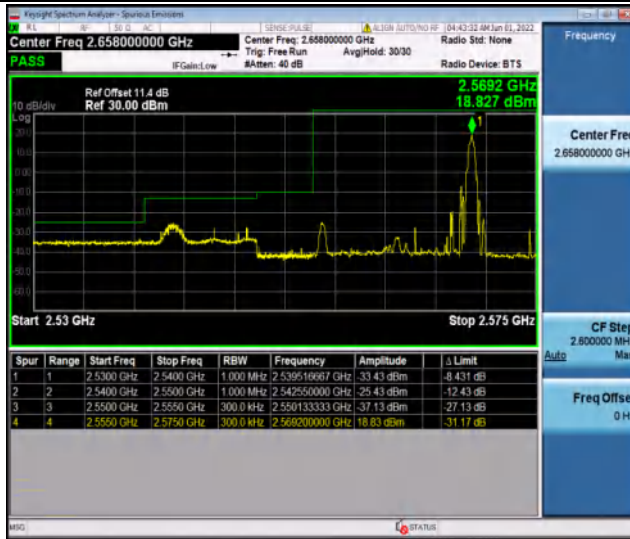
Band41-15MHz-QPSK-41165-1RB#74



Band41-15MHz-QPSK-41165-75RB#0



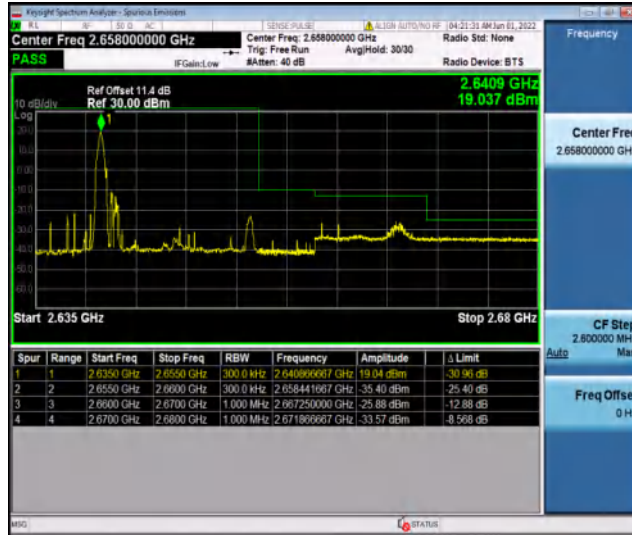
Band41-15MHz-16QAM-40315-1RB#0



Band41-15MHz-16QAM-40315-1RB#74



Band41-15MHz-16QAM-40315-75RB#0



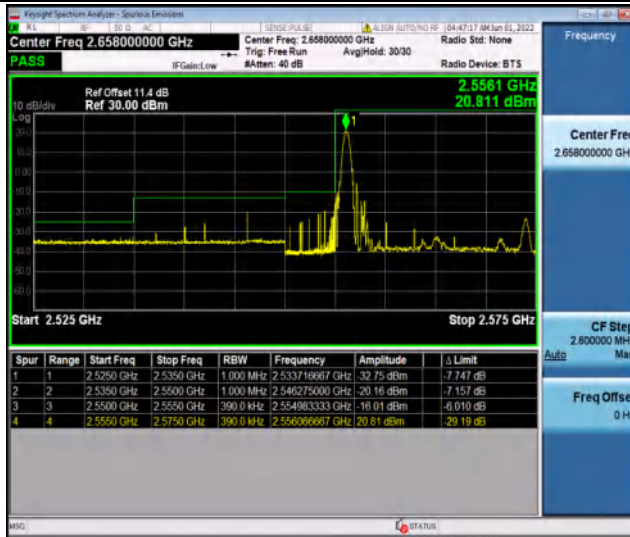
Band41-15MHz-16QAM-41165-1RB#0



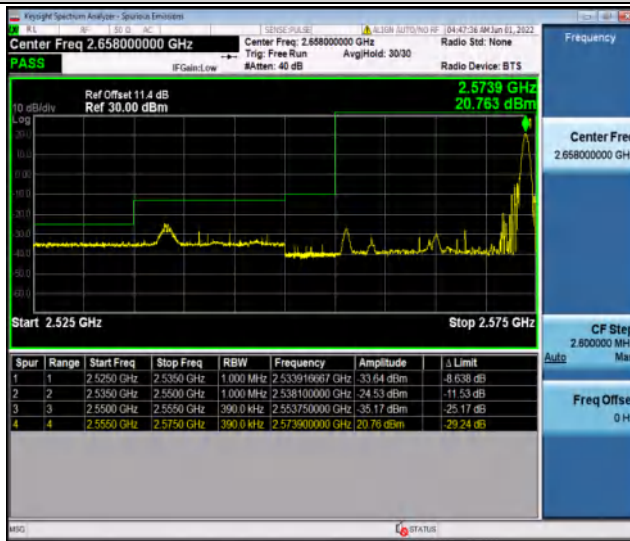
Band41-15MHz-16QAM-41165-1RB#74



Band41-15MHz-16QAM-41165-75RB#0



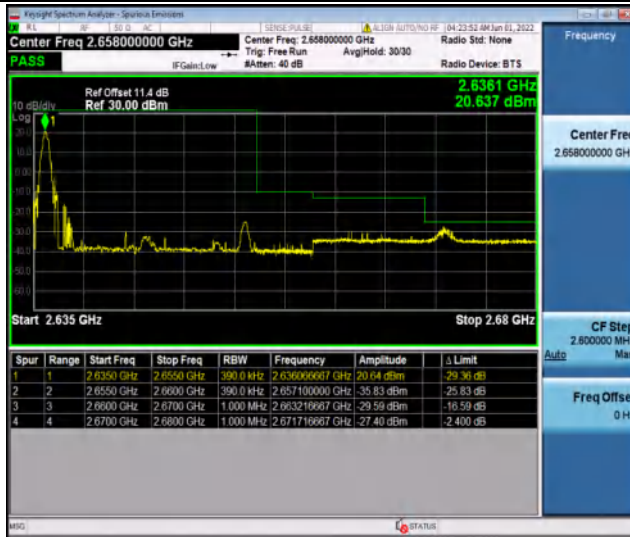
Band41-20MHz-QPSK-40340-1RB#0



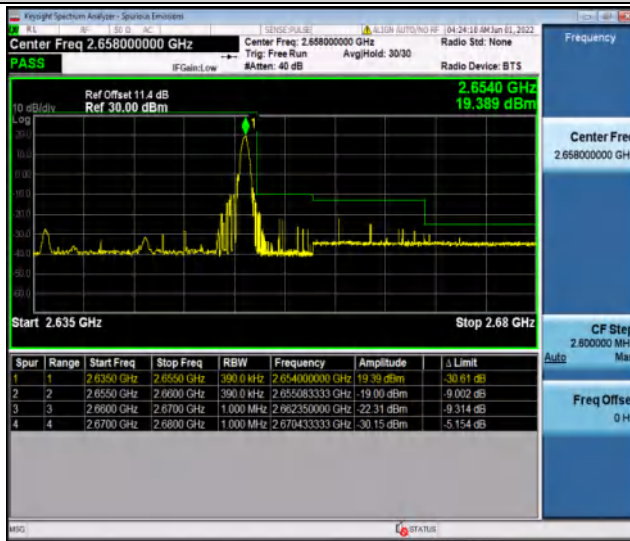
Band41-20MHz-QPSK-40340-1RB#99



Band41-20MHz-QPSK-40340-100RB#0



Band41-20MHz-QPSK-41140-1RB#0

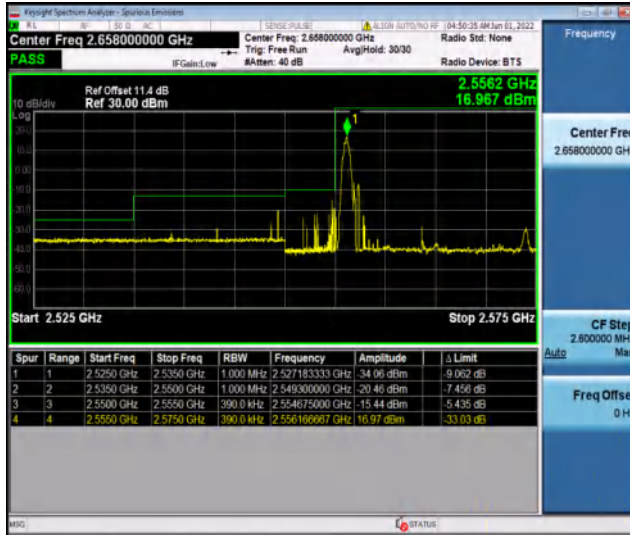


Band41-20MHz-QPSK-41140-1RB#99

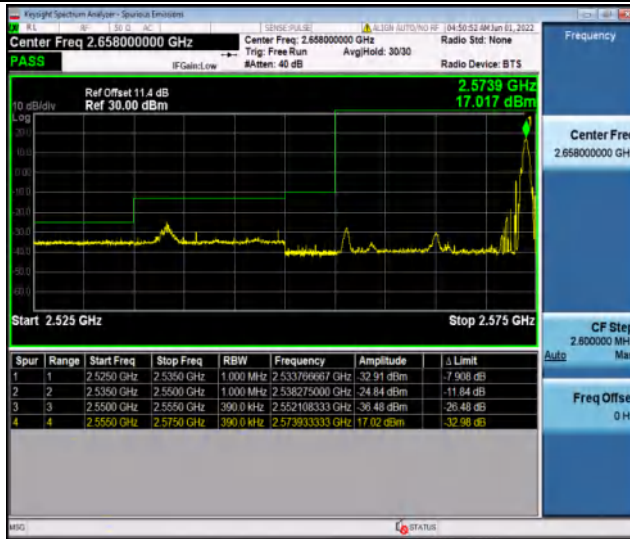


Band41-20MHz-QPSK-41140-100RB#0





Band41-20MHz-16QAM-40340-1RB#0



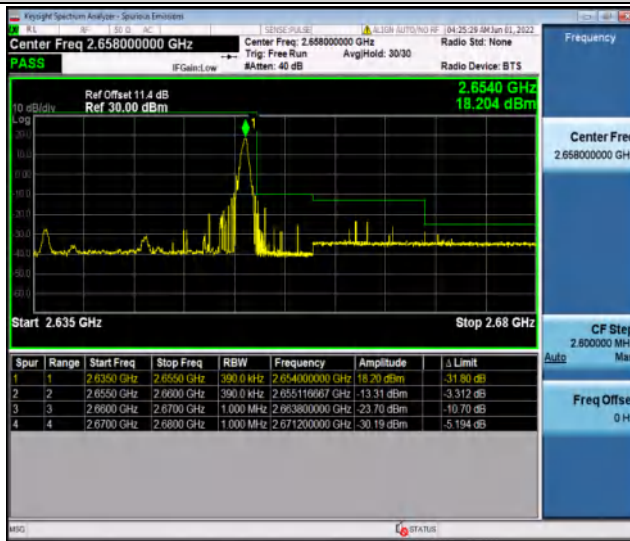
Band41-20MHz-16QAM-40340-1RB#99



Band41-20MHz-16QAM-40340-100RB#0



Band41-20MHz-16QAM-41140-1RB#0



Band41-20MHz-16QAM-41140-1RB#99



Band41-20MHz-16QAM-41140-100RB#0

## Appendix F : Conducted Spurious Emission

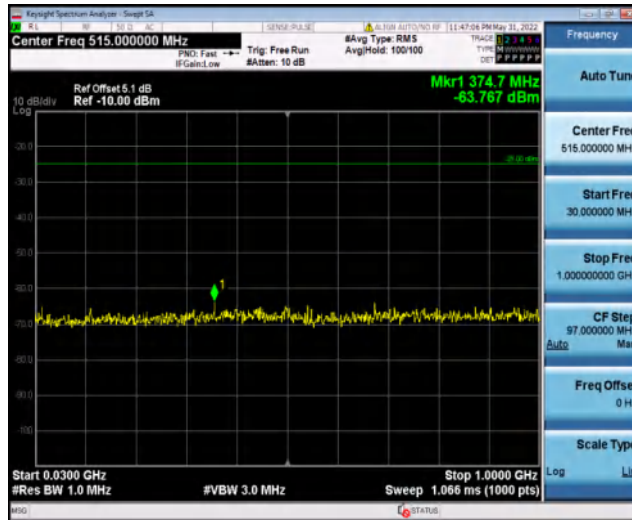
### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band41	5MHz	QPSK	40265	1RB#0	Range1:30~1000MHz	-63.77	PASS
Band41	5MHz	QPSK	40265	1RB#0	Range2:1000~3000MHz	-28.69	PASS
Band41	5MHz	QPSK	40265	1RB#0	Range3:3000~26500MHz	-43.17	PASS
Band41	5MHz	QPSK	40740	1RB#0	Range1:30~1000MHz	-43.42	PASS
Band41	5MHz	QPSK	40740	1RB#0	Range2:1000~3000MHz	-29.9	PASS
Band41	5MHz	QPSK	40740	1RB#0	Range3:3000~26500MHz	-43.65	PASS
Band41	5MHz	QPSK	41215	1RB#0	Range1:30~1000MHz	-43.87	PASS
Band41	5MHz	QPSK	41215	1RB#0	Range2:1000~3000MHz	-29.9	PASS
Band41	5MHz	QPSK	41215	1RB#0	Range3:3000~26500MHz	-44.31	PASS
Band41	5MHz	16QAM	40265	1RB#0	Range1:30~1000MHz	-64.15	PASS
Band41	5MHz	16QAM	40265	1RB#0	Range2:1000~3000MHz	-30.13	PASS
Band41	5MHz	16QAM	40265	1RB#0	Range3:3000~26500MHz	-43.97	PASS
Band41	5MHz	16QAM	40740	1RB#0	Range1:30~1000MHz	-45.24	PASS
Band41	5MHz	16QAM	40740	1RB#0	Range2:1000~3000MHz	-30.23	PASS
Band41	5MHz	16QAM	40740	1RB#0	Range3:3000~26500MHz	-44.12	PASS
Band41	5MHz	16QAM	41215	1RB#0	Range1:30~1000MHz	-46.61	PASS
Band41	5MHz	16QAM	41215	1RB#0	Range2:1000~3000MHz	-29.38	PASS
Band41	5MHz	16QAM	41215	1RB#0	Range3:3000~26500MHz	-44.27	PASS
Band41	10MHz	QPSK	40290	1RB#0	Range1:30~1000MHz	-63.4	PASS
Band41	10MHz	QPSK	40290	1RB#0	Range2:1000~3000MHz	-30.27	PASS
Band41	10MHz	QPSK	40290	1RB#0	Range3:3000~26500MHz	-43.85	PASS
Band41	10MHz	QPSK	40740	1RB#0	Range1:30~1000MHz	-43.03	PASS
Band41	10MHz	QPSK	40740	1RB#0	Range2:1000~3000MHz	-29.72	PASS
Band41	10MHz	QPSK	40740	1RB#0	Range3:3000~26500MHz	-44.32	PASS
Band41	10MHz	QPSK	41190	1RB#0	Range1:30~1000MHz	-45.71	PASS
Band41	10MHz	QPSK	41190	1RB#0	Range2:1000~3000MHz	-29.17	PASS
Band41	10MHz	QPSK	41190	1RB#0	Range3:3000~26500MHz	-43.65	PASS
Band41	10MHz	16QAM	40290	1RB#0	Range1:30~1000MHz	-64.4	PASS
Band41	10MHz	16QAM	40290	1RB#0	Range2:1000~3000MHz	-30.26	PASS
Band41	10MHz	16QAM	40290	1RB#0	Range3:3000~26500MHz	-44.17	PASS
Band41	10MHz	16QAM	40740	1RB#0	Range1:30~1000MHz	-44.17	PASS
Band41	10MHz	16QAM	40740	1RB#0	Range2:1000~3000MHz	-29.65	PASS
Band41	10MHz	16QAM	40740	1RB#0	Range3:3000~26500MHz	-44.13	PASS
Band41	10MHz	16QAM	41190	1RB#0	Range1:30~1000MHz	-46.83	PASS
Band41	10MHz	16QAM	41190	1RB#0	Range2:1000~3000MHz	-29.44	PASS
Band41	10MHz	16QAM	41190	1RB#0	Range3:3000~26500MHz	-43.67	PASS
Band41	15MHz	QPSK	40315	1RB#0	Range1:30~1000MHz	-45.9	PASS
Band41	15MHz	QPSK	40315	1RB#0	Range2:1000~3000MHz	-29.33	PASS
Band41	15MHz	QPSK	40315	1RB#0	Range3:3000~26500MHz	-33.6	PASS
Band41	15MHz	QPSK	40740	1RB#0	Range1:30~1000MHz	-45.5	PASS
Band41	15MHz	QPSK	40740	1RB#0	Range2:1000~3000MHz	-29.7	PASS

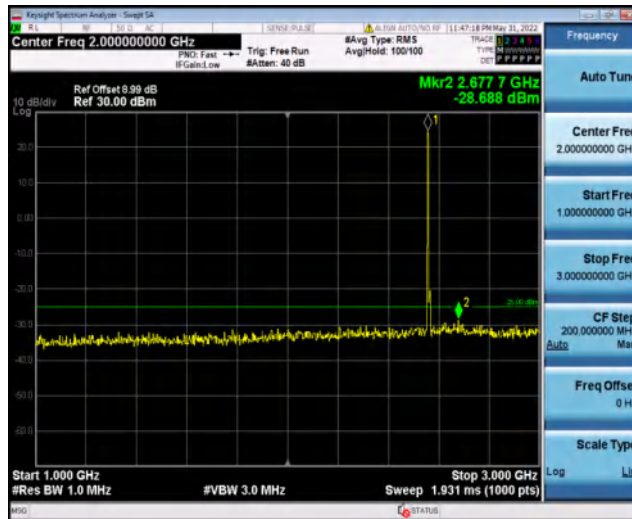
## FCC ID:SMQSE120XPRO

Band41	15MHz	QPSK	40740	1RB#0	Range3:3000~26500MHz	-34.14	PASS
Band41	15MHz	QPSK	41165	1RB#0	Range1:30~1000MHz	-45.53	PASS
Band41	15MHz	QPSK	41165	1RB#0	Range2:1000~3000MHz	-30.02	PASS
Band41	15MHz	QPSK	41165	1RB#0	Range3:3000~26500MHz	-33.69	PASS
Band41	15MHz	16QAM	40315	1RB#0	Range1:30~1000MHz	-44.7	PASS
Band41	15MHz	16QAM	40315	1RB#0	Range2:1000~3000MHz	-29.62	PASS
Band41	15MHz	16QAM	40315	1RB#0	Range3:3000~26500MHz	-34.01	PASS
Band41	15MHz	16QAM	40740	1RB#0	Range1:30~1000MHz	-45.73	PASS
Band41	15MHz	16QAM	40740	1RB#0	Range2:1000~3000MHz	-29.94	PASS
Band41	15MHz	16QAM	40740	1RB#0	Range3:3000~26500MHz	-34.15	PASS
Band41	15MHz	16QAM	41165	1RB#0	Range1:30~1000MHz	-46.03	PASS
Band41	15MHz	16QAM	41165	1RB#0	Range2:1000~3000MHz	-30.44	PASS
Band41	15MHz	16QAM	41165	1RB#0	Range3:3000~26500MHz	-33.59	PASS
Band41	20MHz	QPSK	40340	1RB#0	Range1:30~1000MHz	-45.79	PASS
Band41	20MHz	QPSK	40340	1RB#0	Range2:1000~3000MHz	-29.9	PASS
Band41	20MHz	QPSK	40340	1RB#0	Range3:3000~26500MHz	-34.33	PASS
Band41	20MHz	QPSK	40740	1RB#0	Range1:30~1000MHz	-44.26	PASS
Band41	20MHz	QPSK	40740	1RB#0	Range2:1000~3000MHz	-29.79	PASS
Band41	20MHz	QPSK	40740	1RB#0	Range3:3000~26500MHz	-34.05	PASS
Band41	20MHz	QPSK	41140	1RB#0	Range1:30~1000MHz	-45.73	PASS
Band41	20MHz	QPSK	41140	1RB#0	Range2:1000~3000MHz	-29.96	PASS
Band41	20MHz	QPSK	41140	1RB#0	Range3:3000~26500MHz	-33.62	PASS
Band41	20MHz	16QAM	40340	1RB#0	Range1:30~1000MHz	-45.34	PASS
Band41	20MHz	16QAM	40340	1RB#0	Range2:1000~3000MHz	-29.78	PASS
Band41	20MHz	16QAM	40340	1RB#0	Range3:3000~26500MHz	-34.31	PASS
Band41	20MHz	16QAM	40740	1RB#0	Range1:30~1000MHz	-45.33	PASS
Band41	20MHz	16QAM	40740	1RB#0	Range2:1000~3000MHz	-29.39	PASS
Band41	20MHz	16QAM	40740	1RB#0	Range3:3000~26500MHz	-34.47	PASS
Band41	20MHz	16QAM	41140	1RB#0	Range1:30~1000MHz	-45.18	PASS
Band41	20MHz	16QAM	41140	1RB#0	Range2:1000~3000MHz	-30.33	PASS
Band41	20MHz	16QAM	41140	1RB#0	Range3:3000~26500MHz	-34.36	PASS

Test Graphs



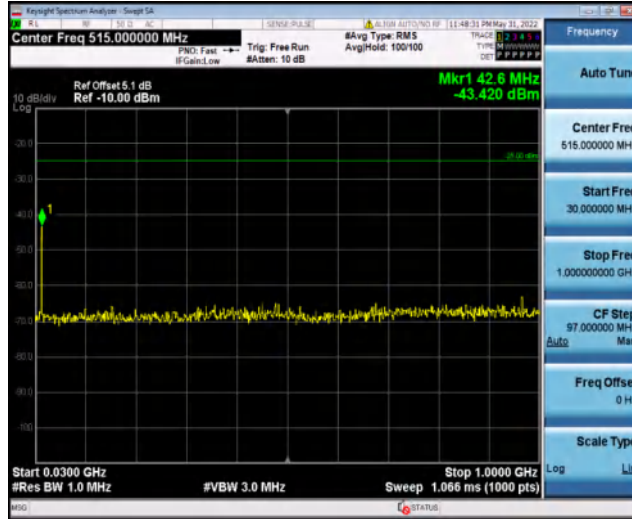
Band41-5MHz-QPSK-40265-1RB#0-Range1:30~1000MHz



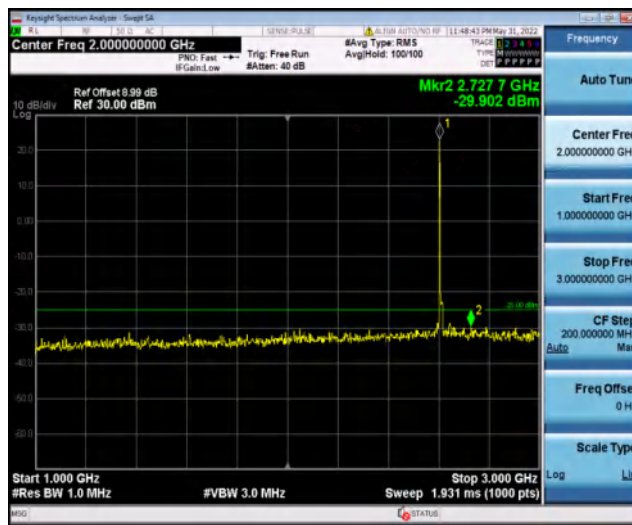
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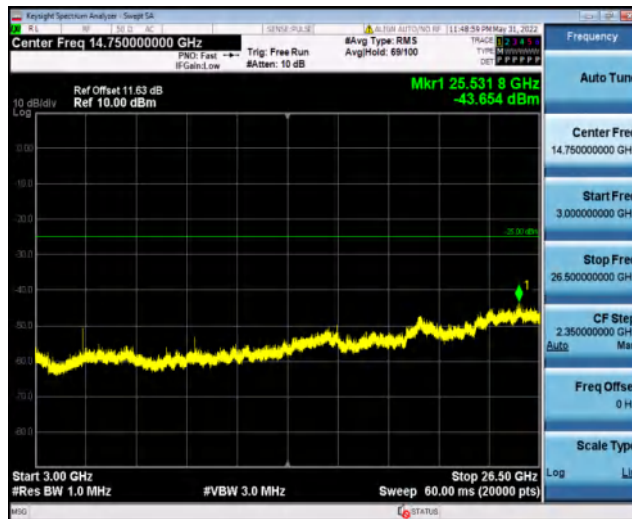
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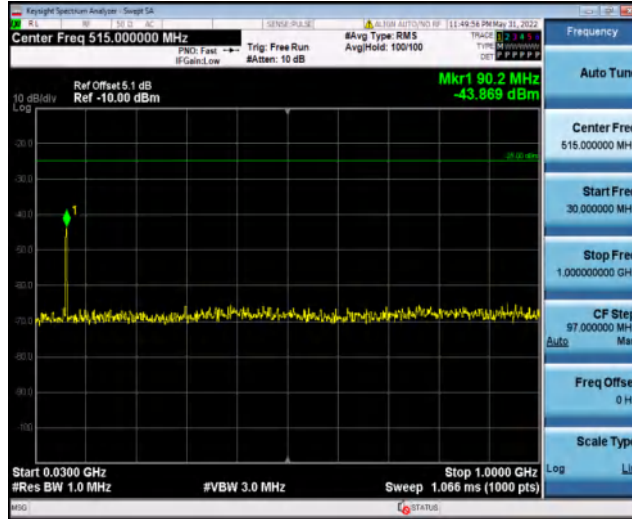
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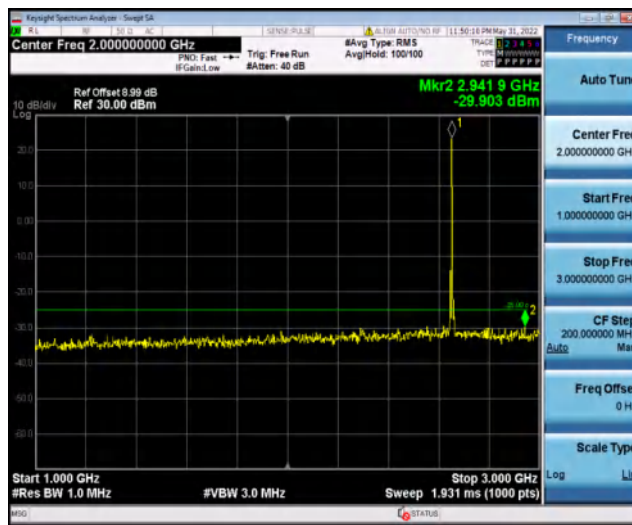
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Band41-5MHz-QPSK-40740-1RB#0-Range3:3000~26500MHz



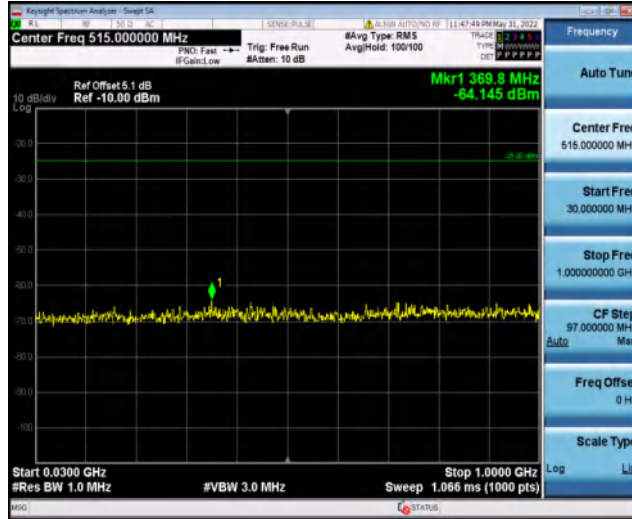
Band41-5MHz-QPSK-41215-1RB#0-Range1:30~1000MHz



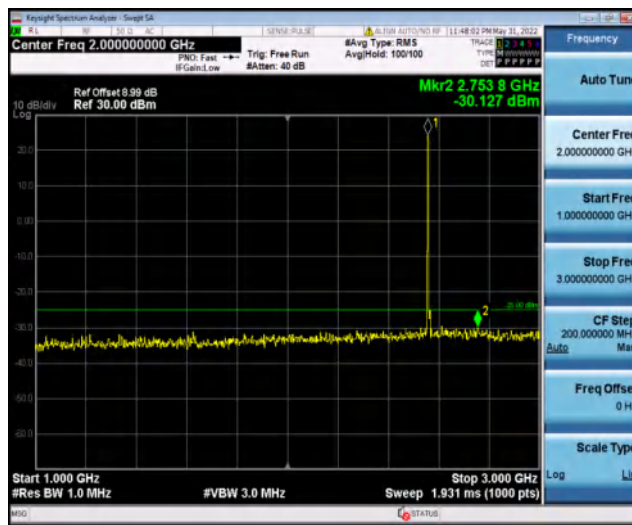
Band41-5MHz-QPSK-41215-1RB#0-Range2:1000~3000MHz



Band41-5MHz-QPSK-41215-1RB#0-Range3:3000~26500MHz



Band41-5MHz-16QAM-40265-1RB#0-Range1:30~1000MHz

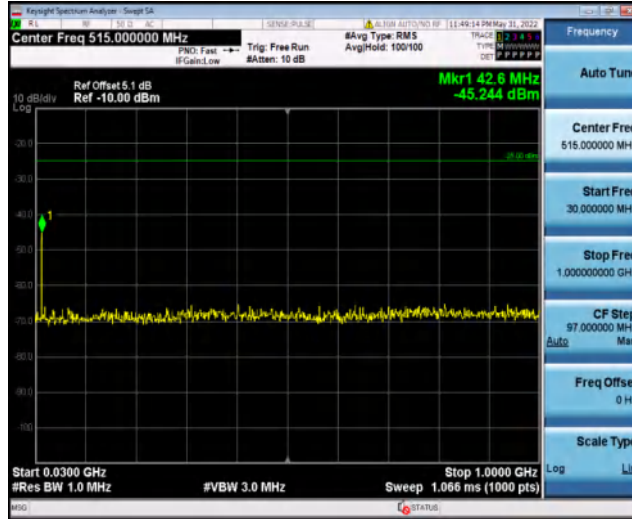


Band41-5MHz-16QAM-40265-1RB#0-Range2:1000~3000MHz

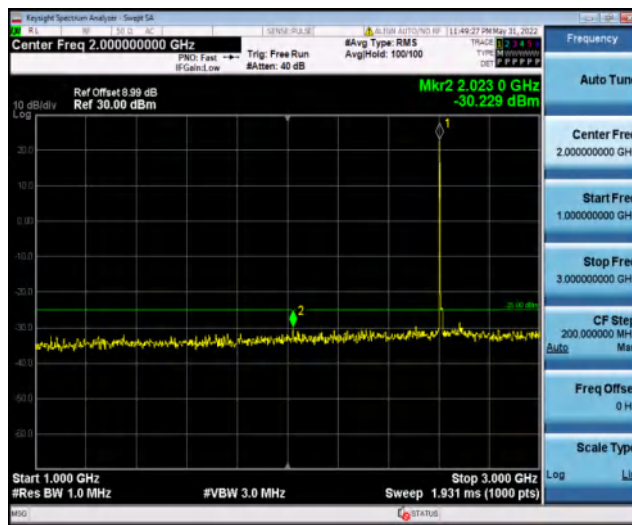


Band41-5MHz-16QAM-40265-1RB#0-Range3:3000~26500MHz

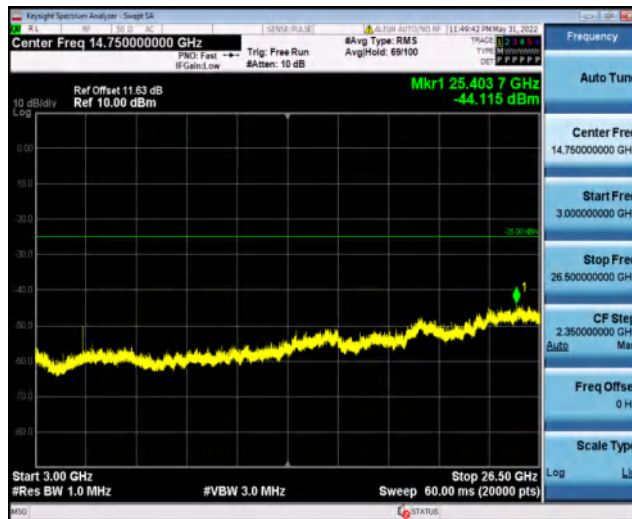




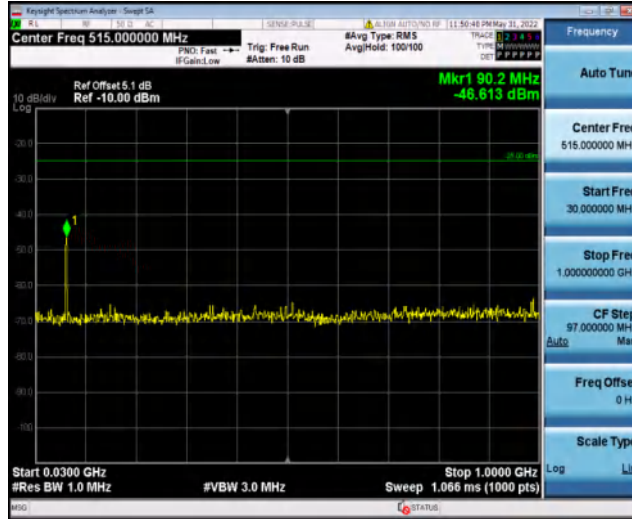
Band41-5MHz-16QAM-40740-1RB#0-Range1:30~1000MHz



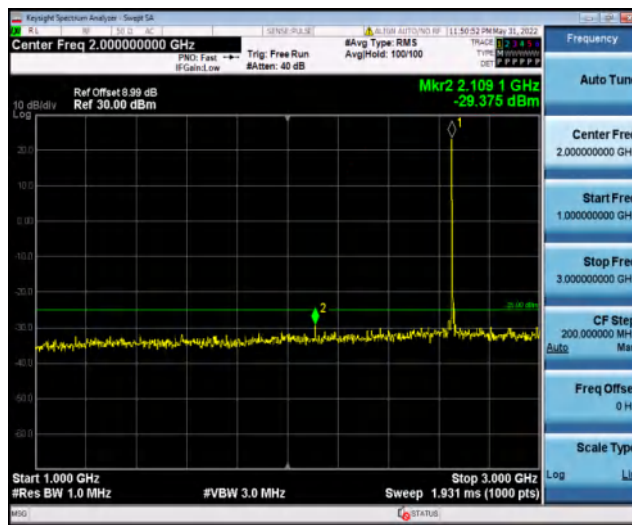
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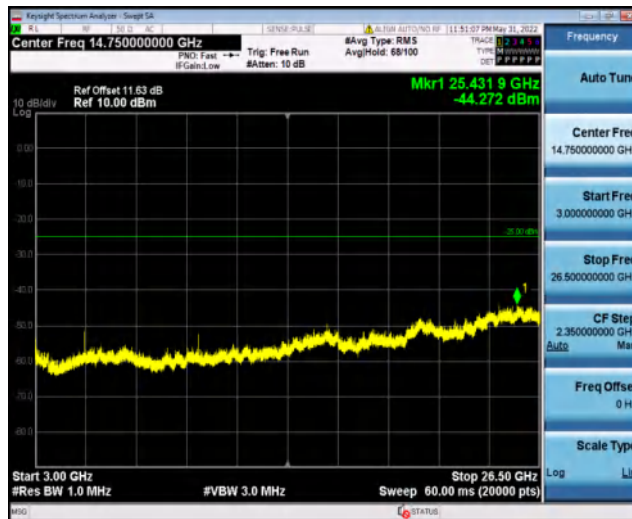
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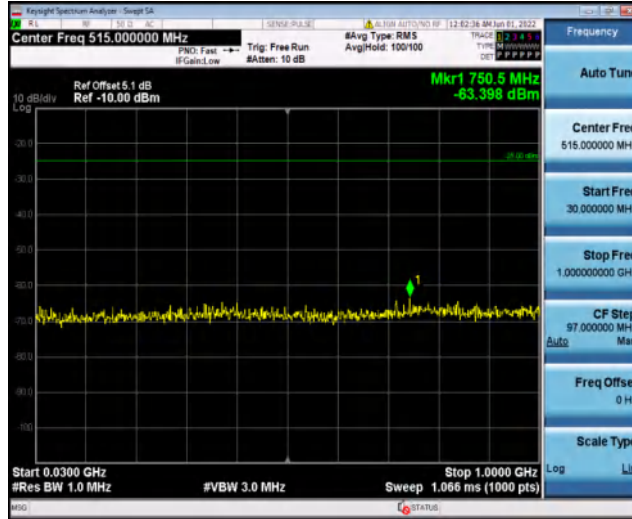
Band41-5MHz-16QAM-41215-1RB#0-Range1:30~1000MHz



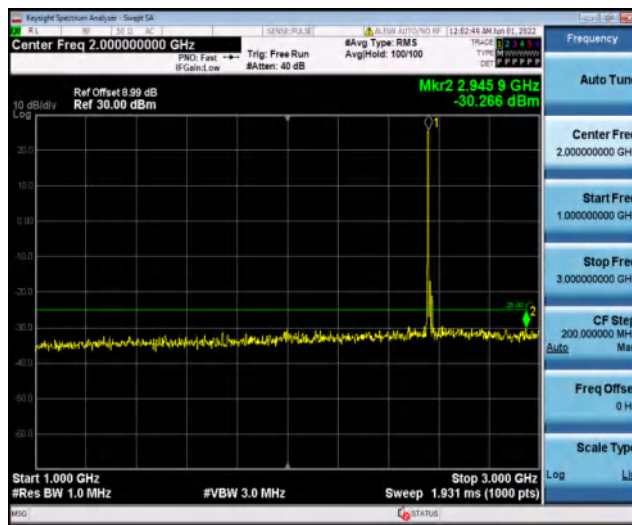
Band41-5MHz-16QAM-41215-1RB#0-Range2:1000~3000MHz



Band41-5MHz-16QAM-41215-1RB#0-Range3:3000~26500MHz



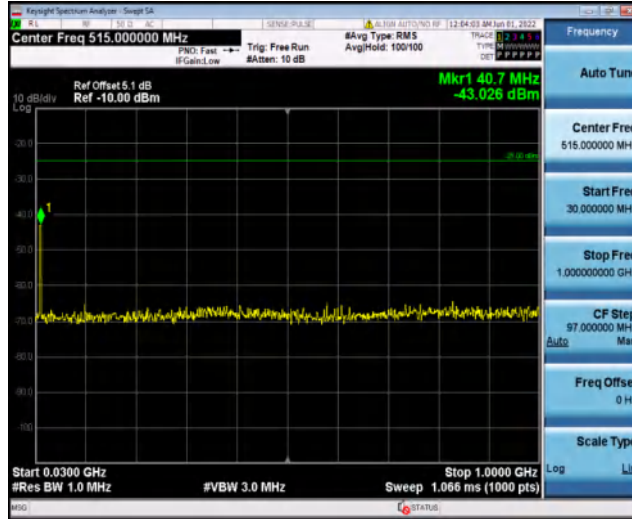
Band41-10MHz-QPSK-40290-1RB#0-Range1:30~1000MHz



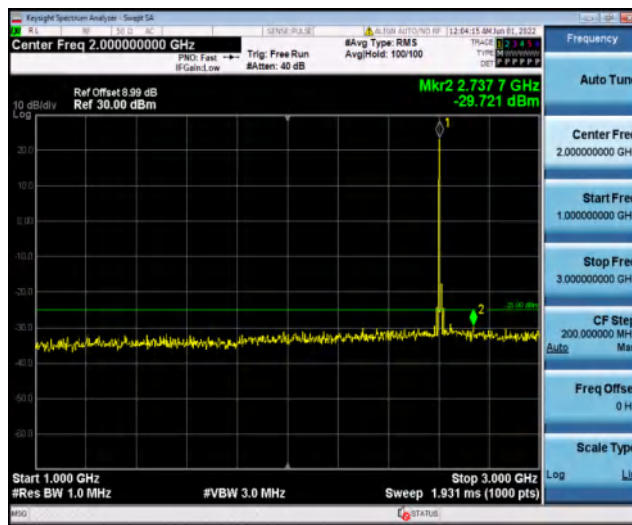
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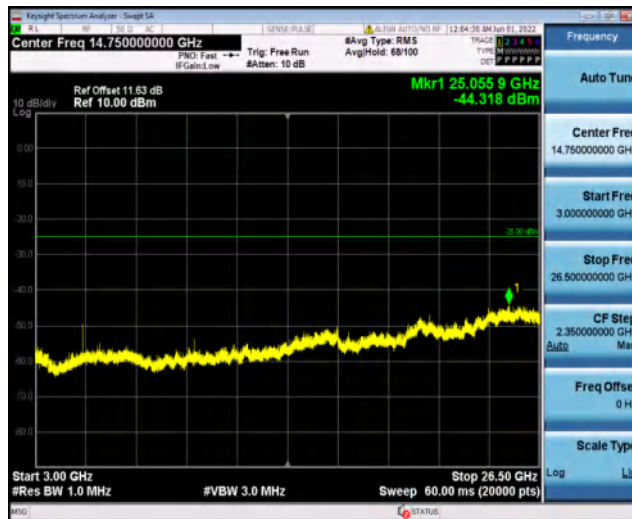
Band41-10MHz-QPSK-40290-1RB#0-Range3:3000~26500MHz



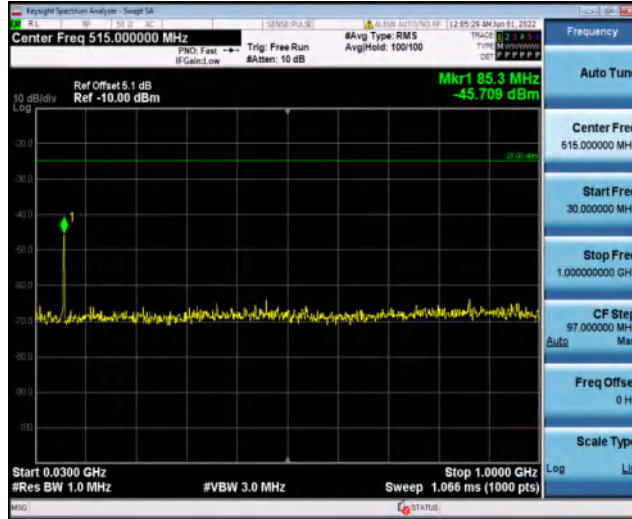
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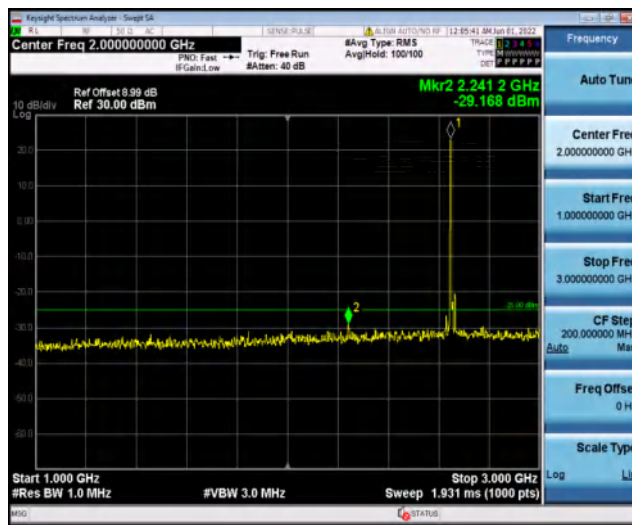
Band41-10MHz-QPSK-40740-1RB#0-Range2:1000~3000MHz



Band41-10MHz-QPSK-40740-1RB#0-Range3:3000~26500MHz



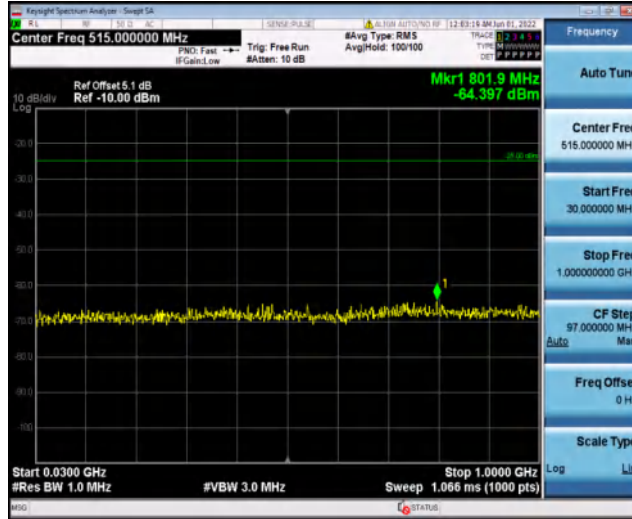
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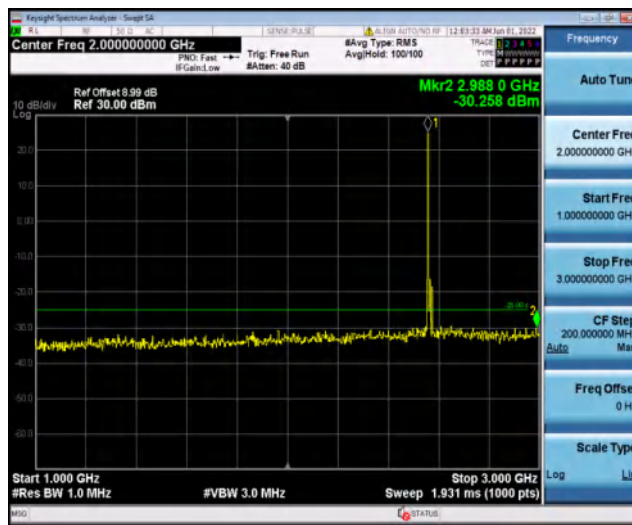
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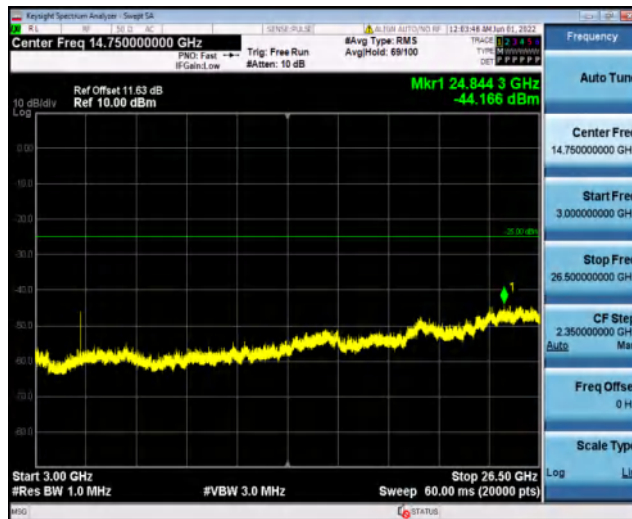
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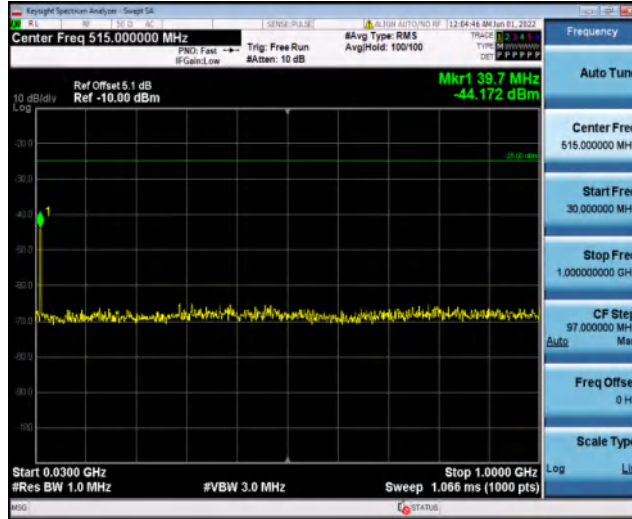
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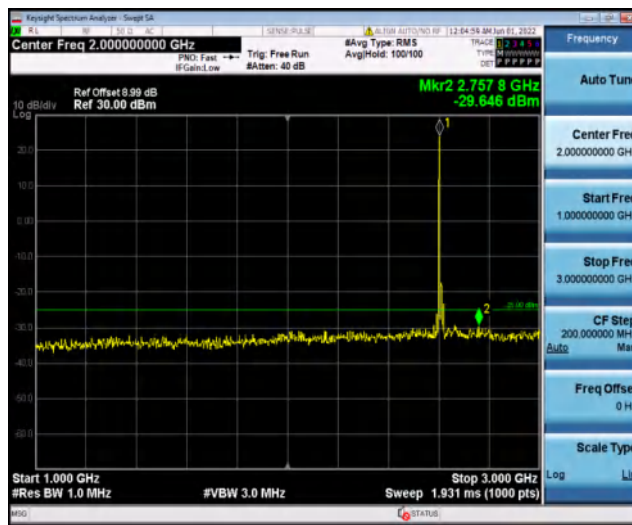
Band41-10MHz-16QAM-40290-1RB#0-Range2:1000~3000MHz



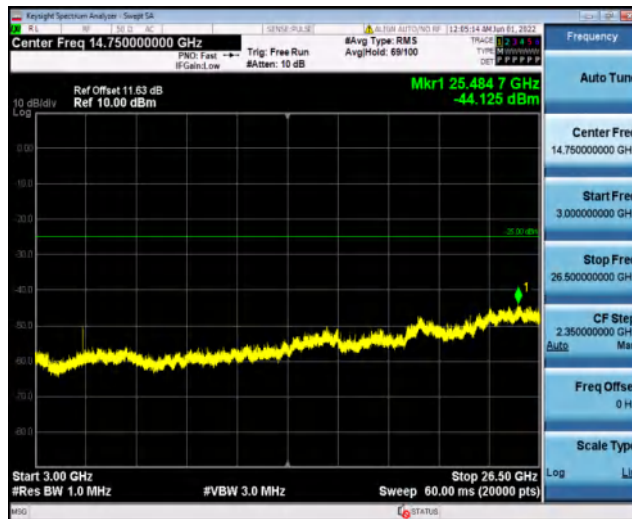
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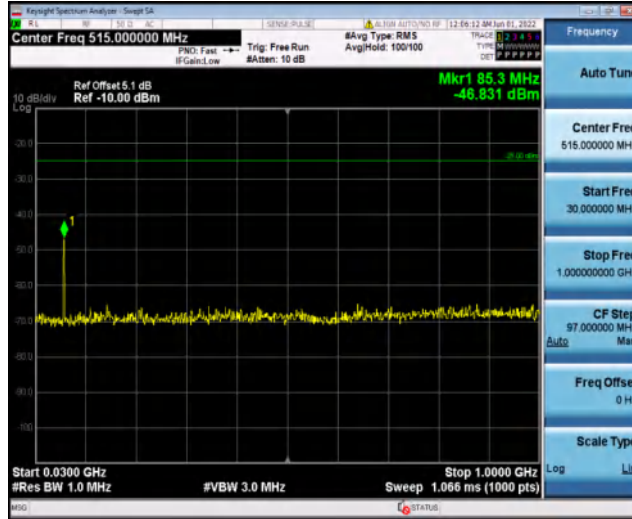
Band41-10MHz-16QAM-40740-1RB#0-Range1:30~1000MHz



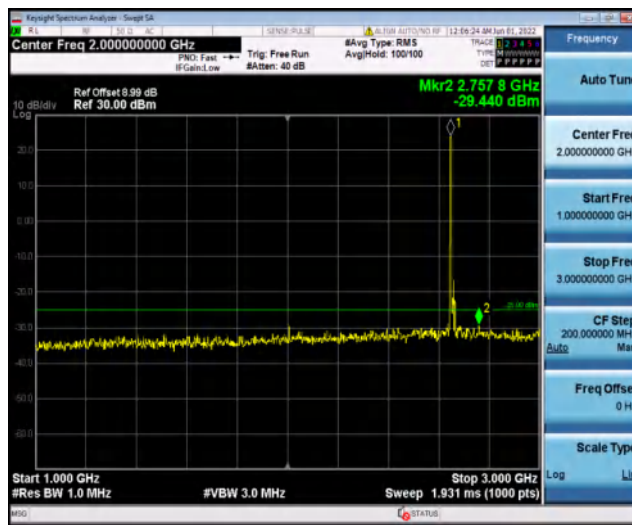
Band41-10MHz-16QAM-40740-1RB#0-Range2:1000~3000MHz



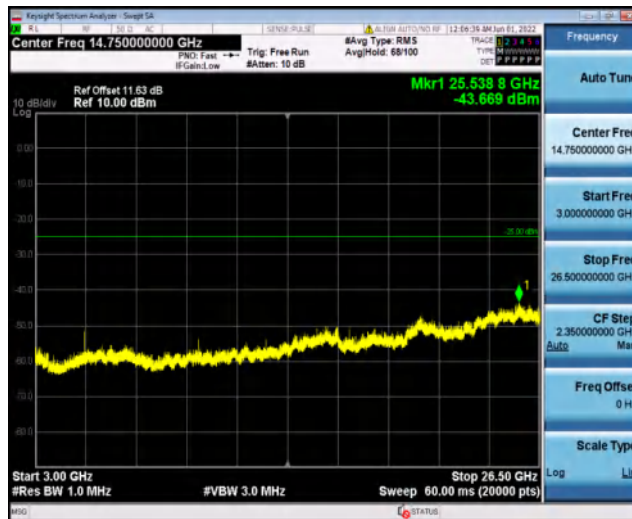
Band41-10MHz-16QAM-40740-1RB#0-Range3:3000~26500MHz



Band41-10MHz-16QAM-41190-1RB#0-Range1:30~1000MHz

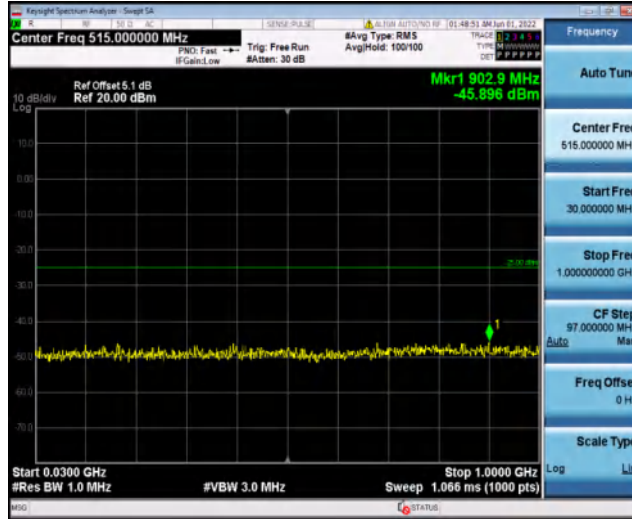


Band41-10MHz-16QAM-41190-1RB#0-Range2:1000~3000MHz

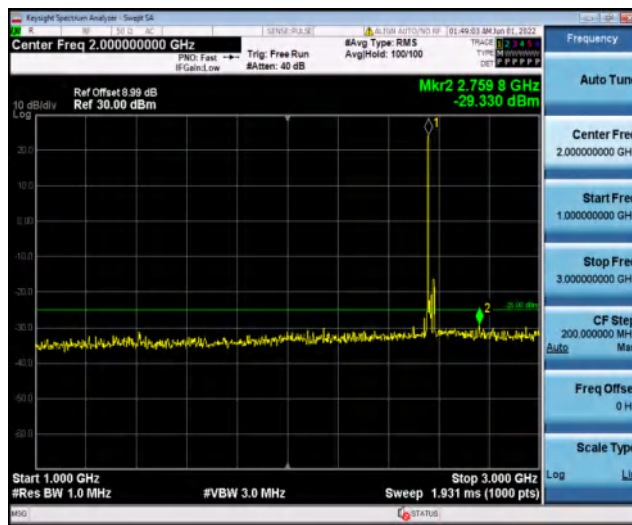


Band41-10MHz-16QAM-41190-1RB#0-Range3:3000~26500MHz





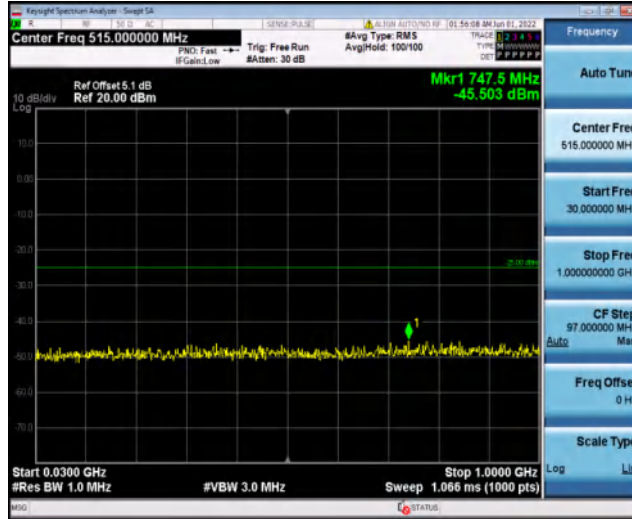
Band41-15MHz-QPSK-40315-1RB#0-Range1:30~1000MHz



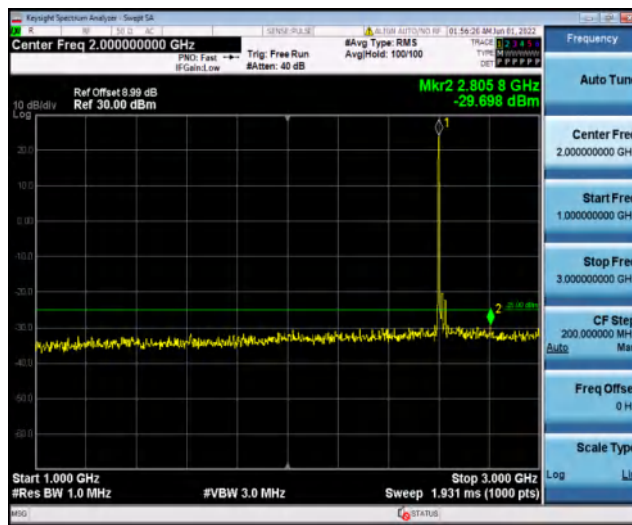
Band41-15MHz-QPSK-40315-1RB#0-Range2:1000~3000MHz



Band41-15MHz-QPSK-40315-1RB#0-Range3:3000~26500MHz



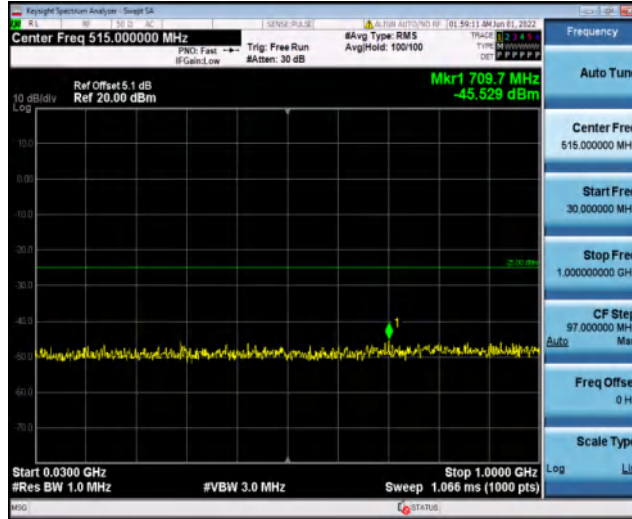
Band41-15MHz-QPSK-40740-1RB#0-Range1:30~1000MHz



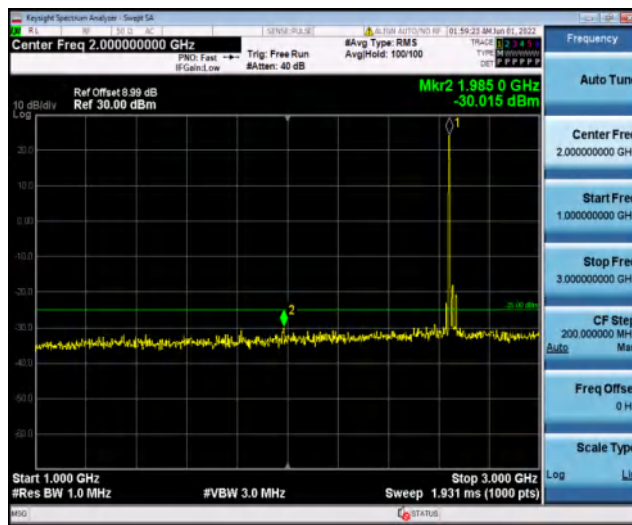
Band41-15MHz-QPSK-40740-1RB#0-Range2:1000~3000MHz



Band41-15MHz-QPSK-40740-1RB#0-Range3:3000~26500MHz



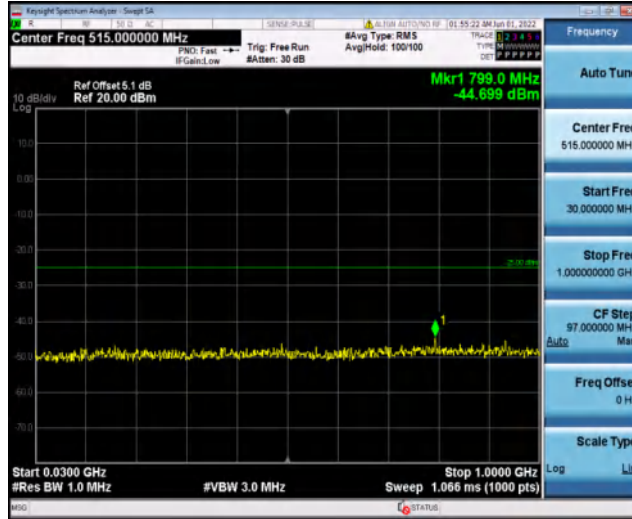
Band41-15MHz-QPSK-41165-1RB#0-Range1:30~1000MHz



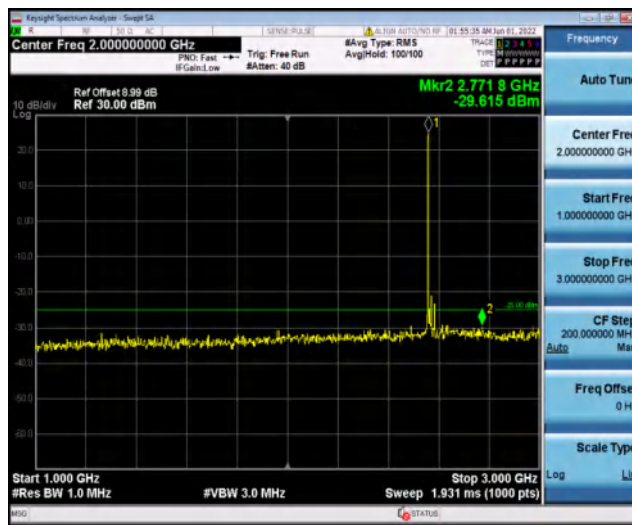
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Band41-15MHz-QPSK-41165-1RB#0-Range3:3000~26500MHz



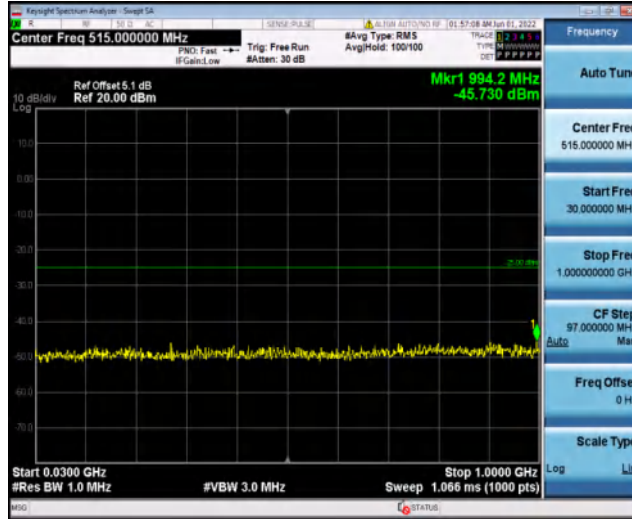
Band41-15MHz-16QAM-40315-1RB#0-Range1:30~1000MHz



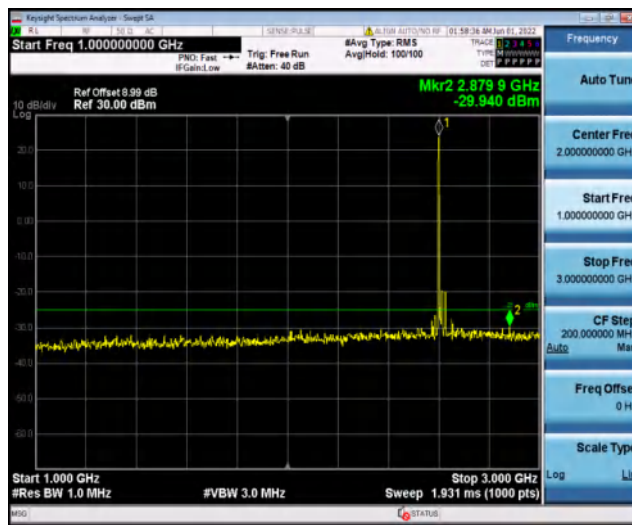
Band41-15MHz-16QAM-40315-1RB#0-Range2:1000~3000MHz



Band41-15MHz-16QAM-40315-1RB#0-Range3:3000~26500MHz



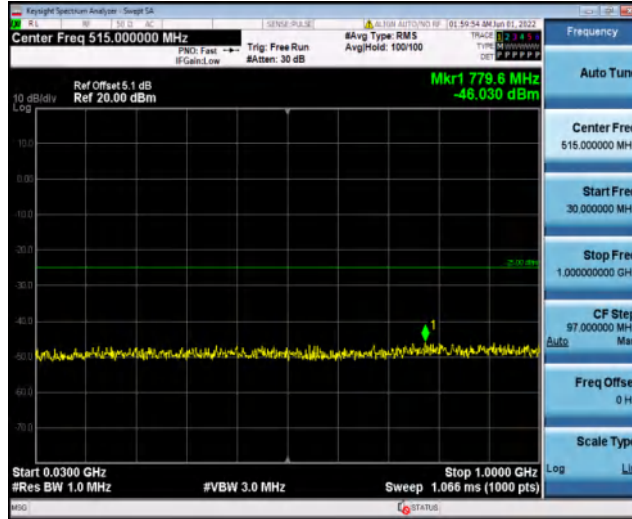
Band41-15MHz-16QAM-40740-1RB#0-Range1:30~1000MHz



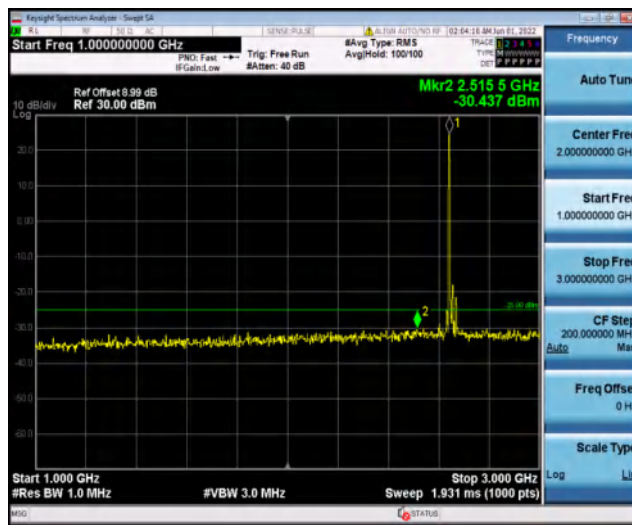
Band41-15MHz-16QAM-40740-1RB#0-Range2:1000~3000MHz



Band41-15MHz-16QAM-40740-1RB#0-Range3:3000~26500MHz



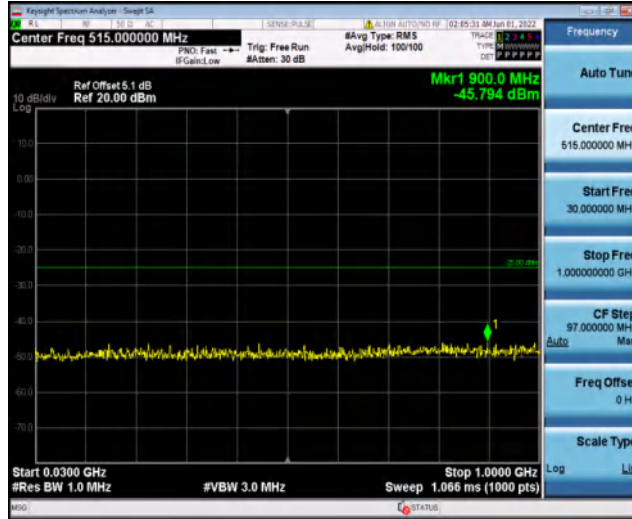
Band41-15MHz-16QAM-41165-1RB#0-Range1:30~1000MHz



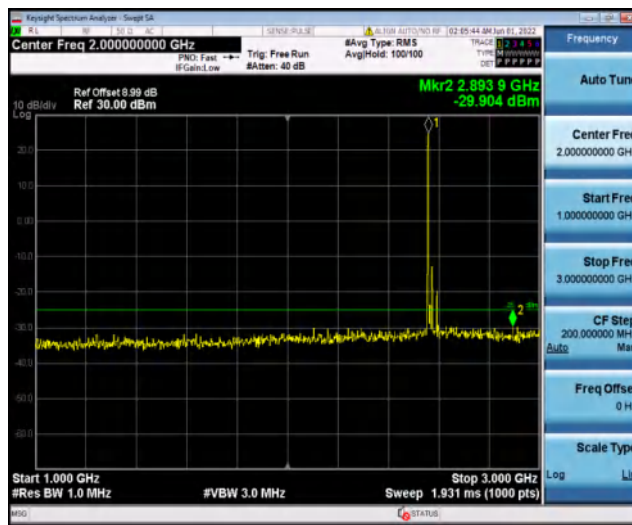
Band41-15MHz-16QAM-41165-1RB#0-Range2:1000~3000MHz



Band41-15MHz-16QAM-41165-1RB#0-Range3:3000~26500MHz



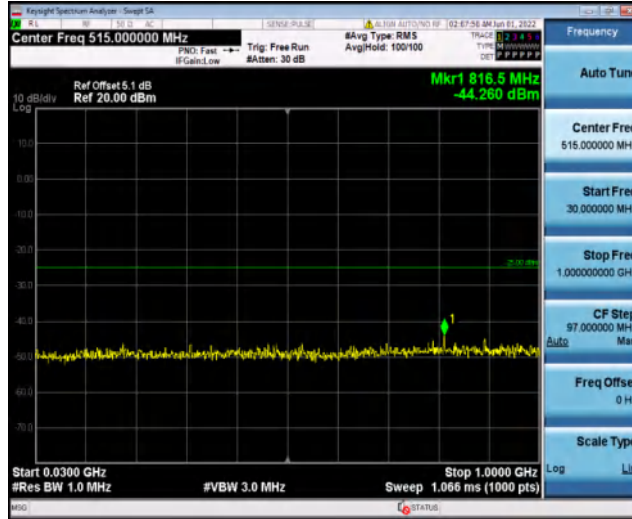
Band41-20MHz-QPSK-40340-1RB#0-Range1:30~1000MHz



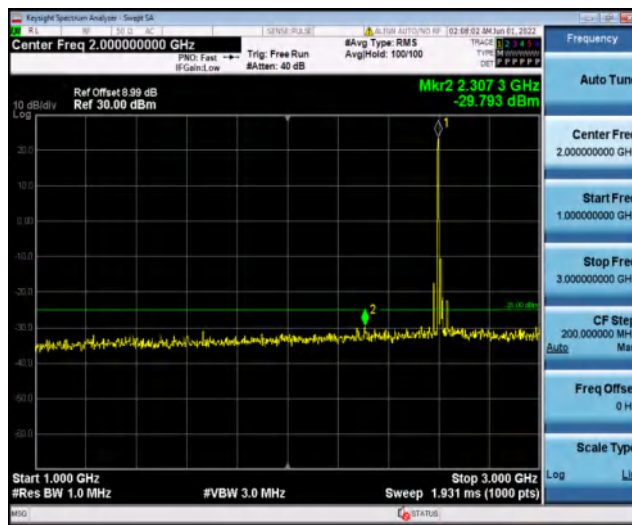
Band41-20MHz-QPSK-40340-1RB#0-Range2:1000~3000MHz



Band41-20MHz-QPSK-40340-1RB#0-Range3:3000~26500MHz



Band41-20MHz-QPSK-40740-1RB#0-Range1:30~1000MHz

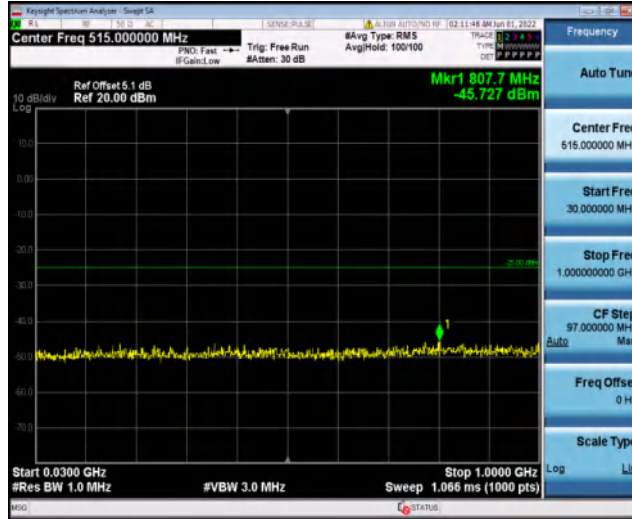


Band41-20MHz-QPSK-40740-1RB#0-Range2:1000~3000MHz

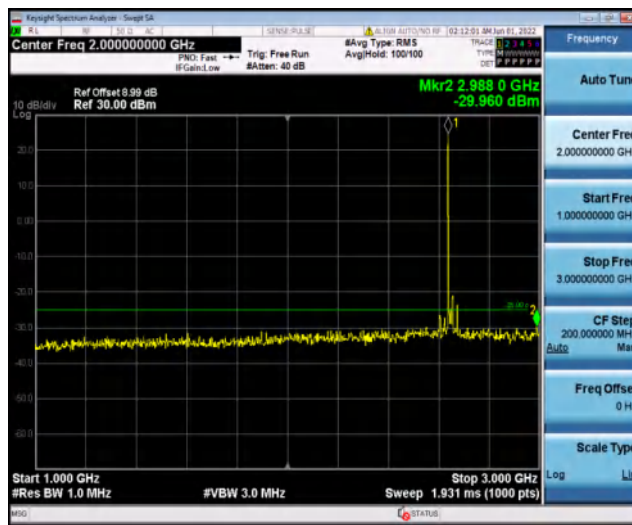


Band41-20MHz-QPSK-40740-1RB#0-Range3:3000~26500MHz





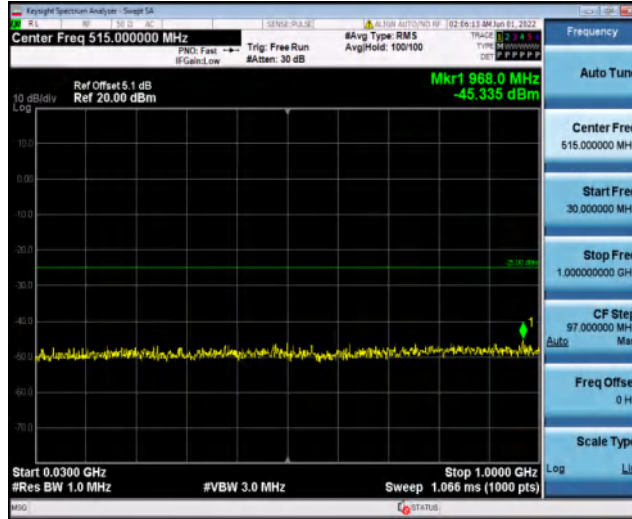
Band41-20MHz-QPSK-41140-1RB#0-Range1:30~1000MHz



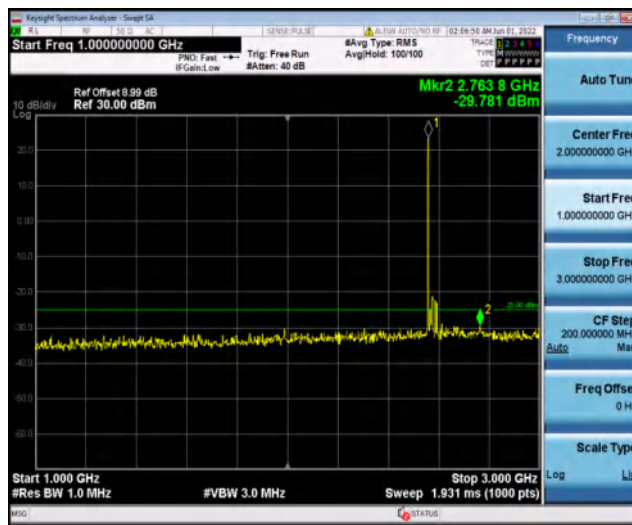
Band41-20MHz-QPSK-41140-1RB#0-Range2:1000~3000MHz



Band41-20MHz-QPSK-41140-1RB#0-Range3:3000~26500MHz



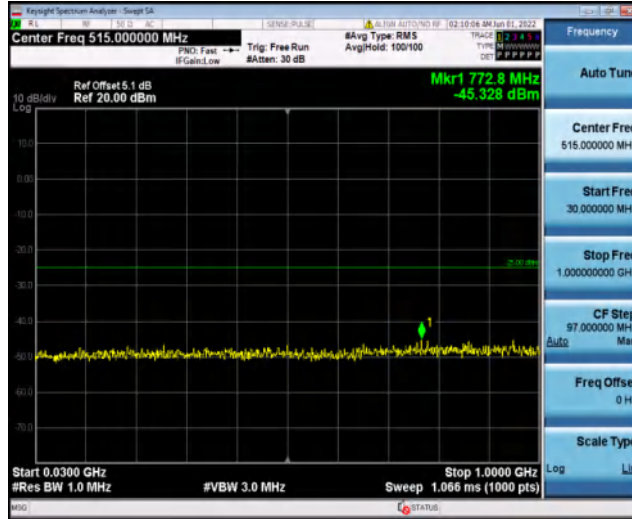
Band41-20MHz-16QAM-40340-1RB#0-Range1:30~1000MHz



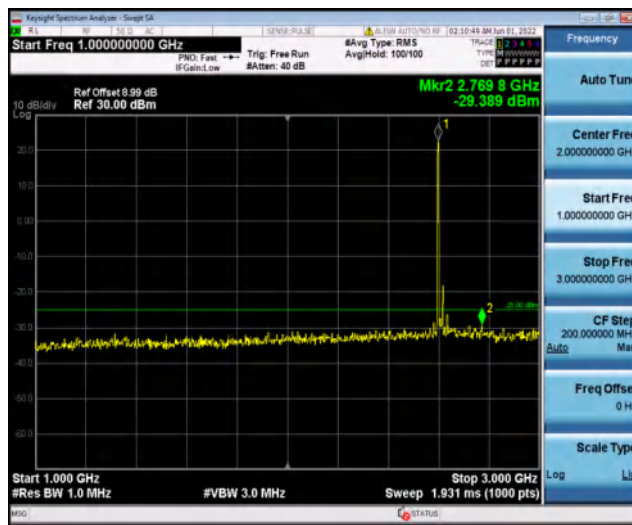
Band41-20MHz-16QAM-40340-1RB#0-Range2:1000~3000MHz



Band41-20MHz-16QAM-40340-1RB#0-Range3:3000~26500MHz



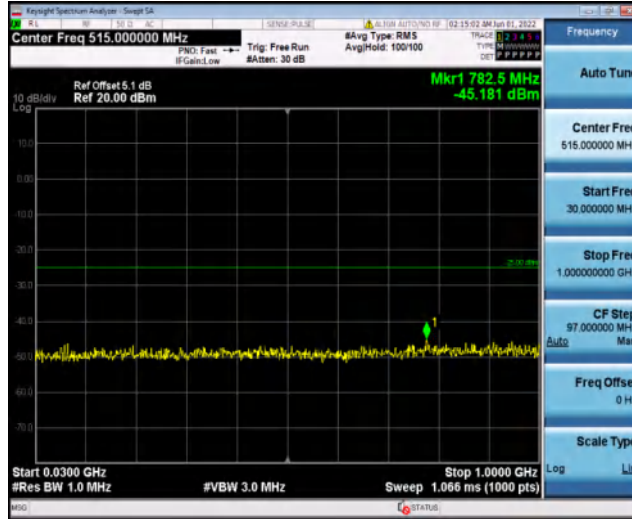
Band41-20MHz-16QAM-40740-1RB#0-Range1:30~1000MHz



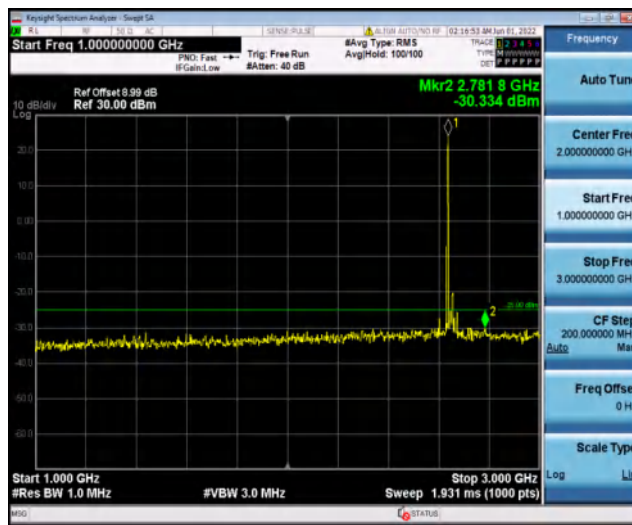
Band41-20MHz-16QAM-40740-1RB#0-Range2:1000~3000MHz



Band41-20MHz-16QAM-40740-1RB#0-Range3:3000~26500MHz



Band41-20MHz-16QAM-41140-1RB#0-Range1:30~1000MHz



Band41-20MHz-16QAM-41140-1RB#0-Range2:1000~3000MHz



Band41-20MHz-16QAM-41140-1RB#0-Range3:3000~26500MHz

## Appendix G Radiated Spurious Emission

### Test Result

#### LTE FDD Band 41\_Channel Bandwidth 5MHz\_QPSK\_Low Channel

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Factor (dB)	Correction Factor(dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5115.00	-55.73	34.36	7.88	35.27	6.97	-48.76	-25	23.76	H
10230.00	-55.94	39.13	12.94	36.26	15.81	-40.13	-25	15.13	H
5115.00	-57.99	34.36	7.88	35.27	6.97	-51.02	-25	26.02	V
10230.00	-55.18	39.13	12.94	36.26	15.81	-39.37	-25	14.37	V

Note: 1. Correction Factor= Antenna Factor+ Cable Loss-Amplifier Factor

2. EIRP=P<sub>Mea</sub>+Correction Factor

3. Margin= Limit-EIRP

#### LTE FDD Band 41\_Channel Bandwidth 5MHz\_QPSK\_Middle Channel

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Factor (dB)	Correction Factor(dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5210.00	-52.93	34.55	7.88	35.31	7.12	-45.81	-25	20.81	H
10420.00	-55.88	39.24	13.03	36.29	15.97	-39.91	-25	14.91	H
5210.00	-57.42	34.55	7.88	35.31	7.12	-50.30	-25	25.30	V
10420.00	-54.20	39.24	13.03	36.29	15.97	-38.23	-25	13.23	V

Note: 1. Correction Factor= Antenna Factor+ Cable Loss-Amplifier Factor

2. EIRP=P<sub>Mea</sub>+Correction Factor

3. Margin= Limit-EIRP

#### LTE FDD Band 41\_Channel Bandwidth 5MHz\_QPSK\_High Channel

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Factor (dB)	Correction Factor(dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5290.00	-53.44	34.63	7.88	35.33	7.18	-46.26	-25	21.26	H
10580.00	-54.29	39.32	13.11	36.33	16.11	-38.18	-25	13.18	H
5290.00	-56.30	34.63	7.88	35.33	7.18	-49.12	-25	24.12	V
10580.00	-53.70	39.32	13.11	36.33	16.11	-37.59	-25	12.59	V

Note: 1. Correction Factor= Antenna Factor+ Cable Loss-Amplifier Factor

2. EIRP=P<sub>Mea</sub>+Correction Factor

3. Margin= Limit-EIRP

## LTE FDD Band 41\_Channel Bandwidth 10MHz\_QPSK\_ Low Channel

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Factor (dB)	Correction Factor(dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5120.00	-51.27	34.37	7.88	35.27	6.98	-44.29	-25	19.29	H
10240.00	-54.24	39.13	12.94	36.26	15.82	-38.42	-25	13.42	H
5120.00	-55.58	34.37	7.88	35.27	6.98	-48.60	-25	23.60	V
10240.00	-53.25	39.13	12.94	36.26	15.82	-37.43	-25	12.43	V

Note: 1. Correction Factor= Antenna Factor+ Cable Loss-Amplifier Factor

2. EIRP=P<sub>Mea</sub>+Correction Factor

3. Margin= Limit-EIRP

## LTE FDD Band 41\_Channel Bandwidth 10MHz\_QPSK\_ Middle Channel

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Factor (dB)	Correction Factor(dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5210.00	-55.77	34.55	7.88	35.31	7.12	-48.65	-25	23.65	H
10420.00	-54.25	39.24	13.03	36.29	15.97	-38.28	-25	13.28	H
5210.00	-59.09	34.55	7.88	35.31	7.12	-51.97	-25	26.97	V
10420.00	-53.33	39.24	13.03	36.29	15.97	-37.36	-25	12.36	V

Note: 1. Correction Factor= Antenna Factor+ Cable Loss-Amplifier Factor

2. EIRP=P<sub>Mea</sub>+Correction Factor

3. Margin= Limit-EIRP

## LTE FDD Band 41\_Channel Bandwidth 10MHz\_QPSK\_ High Channel

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Factor (dB)	Correction Factor(dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5300.00	-54.01	34.64	7.88	35.34	7.18	-46.83	-25	21.83	H
10600.00	-56.90	39.34	13.12	36.33	16.13	-40.77	-25	15.77	H
5300.00	-56.32	34.64	7.88	35.34	7.18	-49.14	-25	24.14	V
10600.00	-55.21	39.34	13.12	36.33	16.13	-39.08	-25	14.08	V

Note: 1. Correction Factor= Antenna Factor+ Cable Loss-Amplifier Factor

2. EIRP=P<sub>Mea</sub>+Correction Factor

3. Margin= Limit-EIRP

## LTE FDD Band 41\_Channel Bandwidth 20MHz\_QPSK\_ Low Channel

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Factor (dB)	Correction Factor(dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5130.00	-54.60	34.39	7.88	35.28	7.00	-47.60	-25	22.60	H
10260.00	-54.05	39.15	12.95	36.26	15.83	-38.22	-25	13.22	H
5130.00	-54.34	34.39	7.88	35.28	7.00	-47.34	-25	22.34	V
10260.00	-53.58	39.15	12.95	36.26	15.83	-37.75	-25	12.75	V

Note: 1. Correction Factor= Antenna Factor+ Cable Loss-Amplifier Factor

2. EIRP=P<sub>Mea</sub>+Correction Factor

3. Margin= Limit-EIRP

## LTE FDD Band 41\_Channel Bandwidth 20MHz\_QPSK\_ Middle Channel

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Factor (dB)	Correction Factor(dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5210.00	-53.14	34.55	7.88	35.31	7.12	-46.02	-25	21.02	H
10420.00	-54.04	39.24	13.03	36.29	15.97	-38.07	-25	13.07	H
5210.00	-55.77	34.55	7.88	35.31	7.12	-48.65	-25	23.65	V
10420.00	-52.47	39.24	13.03	36.29	15.97	-36.50	-25	11.50	V

Note: 1. Correction Factor= Antenna Factor+ Cable Loss-Amplifier Factor

2. EIRP=P<sub>Mea</sub>+Correction Factor

3. Margin= Limit-EIRP

## LTE FDD Band 41\_Channel Bandwidth 20MHz\_QPSK\_ High Channel

Frequency (MHz)	P <sub>Mea</sub> (dBm)	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Factor (dB)	Correction Factor(dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5290.00	-53.34	34.63	7.88	35.33	7.18	-46.16	-25	21.16	H
10580.00	-56.36	39.32	13.11	36.33	16.11	-40.25	-25	15.25	H
5290.00	-56.15	34.63	7.88	35.33	7.18	-48.97	-25	23.97	V
10580.00	-55.53	39.32	13.11	36.33	16.11	-39.42	-25	14.42	V

Note: 1. Correction Factor= Antenna Factor+ Cable Loss-Amplifier Factor

2. EIRP=P<sub>Mea</sub>+Correction Factor

3. Margin= Limit-EIRP

## Appendix H : Frequency Stability

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band41	5MHz	QPSK	40265	25RB#0	VL	NT	-17.81	-0.006964	±2.5	PASS
Band41	5MHz	QPSK	40265	25RB#0	VN	NT	13.83	0.005408	±2.5	PASS
Band41	5MHz	QPSK	40265	25RB#0	VH	NT	15.38	0.006014	±2.5	PASS
Band41	5MHz	QPSK	40740	25RB#0	VL	NT	-16.57	-0.006361	±2.5	PASS
Band41	5MHz	QPSK	40740	25RB#0	VN	NT	-16.28	-0.006250	±2.5	PASS
Band41	5MHz	QPSK	40740	25RB#0	VH	NT	-18.83	-0.007228	±2.5	PASS
Band41	5MHz	QPSK	41215	25RB#0	VL	NT	-20.26	-0.007638	±2.5	PASS
Band41	5MHz	QPSK	41215	25RB#0	VN	NT	-20.93	-0.007891	±2.5	PASS
Band41	5MHz	QPSK	41215	25RB#0	VH	NT	-14.86	-0.005602	±2.5	PASS
Band41	5MHz	16QAM	40265	25RB#0	VL	NT	-6.12	-0.002393	±2.5	PASS
Band41	5MHz	16QAM	40265	25RB#0	VN	NT	-15.32	-0.005990	±2.5	PASS
Band41	5MHz	16QAM	40265	25RB#0	VH	NT	-17.97	-0.007026	±2.5	PASS
Band41	5MHz	16QAM	40740	25RB#0	VL	NT	11.66	0.004476	±2.5	PASS
Band41	5MHz	16QAM	40740	25RB#0	VN	NT	-14.69	-0.005639	±2.5	PASS
Band41	5MHz	16QAM	40740	25RB#0	VH	NT	3.55	0.001363	±2.5	PASS
Band41	5MHz	16QAM	41215	25RB#0	VL	NT	5.44	0.002051	±2.5	PASS
Band41	5MHz	16QAM	41215	25RB#0	VN	NT	-22.24	-0.008385	±2.5	PASS
Band41	5MHz	16QAM	41215	25RB#0	VH	NT	-12.96	-0.004886	±2.5	PASS
Band41	10MHz	QPSK	40290	50RB#0	VL	NT	-23.93	-0.009348	±2.5	PASS
Band41	10MHz	QPSK	40290	50RB#0	VN	NT	-8.77	-0.003426	±2.5	PASS
Band41	10MHz	QPSK	40290	50RB#0	VH	NT	-20.26	-0.007914	±2.5	PASS
Band41	10MHz	QPSK	40740	50RB#0	VL	NT	11.29	0.004334	±2.5	PASS
Band41	10MHz	QPSK	40740	50RB#0	VN	NT	58.97	0.022637	±2.5	PASS
Band41	10MHz	QPSK	40740	50RB#0	VH	NT	28.51	0.010944	±2.5	PASS
Band41	10MHz	QPSK	41190	50RB#0	VL	NT	-18.97	-0.007158	±2.5	PASS
Band41	10MHz	QPSK	41190	50RB#0	VN	NT	-12.26	-0.004626	±2.5	PASS
Band41	10MHz	QPSK	41190	50RB#0	VH	NT	8.61	0.003249	±2.5	PASS
Band41	10MHz	16QAM	40290	50RB#0	VL	NT	-19.25	-0.007520	±2.5	PASS
Band41	10MHz	16QAM	40290	50RB#0	VN	NT	-6.68	-0.002609	±2.5	PASS
Band41	10MHz	16QAM	40290	50RB#0	VH	NT	-13.48	-0.005266	±2.5	PASS
Band41	10MHz	16QAM	40740	50RB#0	VL	NT	-17.85	-0.006852	±2.5	PASS
Band41	10MHz	16QAM	40740	50RB#0	VN	NT	-15.22	-0.005843	±2.5	PASS
Band41	10MHz	16QAM	40740	50RB#0	VH	NT	-19.05	-0.007313	±2.5	PASS
Band41	10MHz	16QAM	41190	50RB#0	VL	NT	-11.33	-0.004275	±2.5	PASS
Band41	10MHz	16QAM	41190	50RB#0	VN	NT	-12.12	-0.004574	±2.5	PASS
Band41	10MHz	16QAM	41190	50RB#0	VH	NT	-2.30	-0.000868	±2.5	PASS
Band41	15MHz	QPSK	40315	75RB#0	VL	NT	-17.41	-0.006794	±2.5	PASS
Band41	15MHz	QPSK	40315	75RB#0	VN	NT	-18.07	-0.007052	±2.5	PASS
Band41	15MHz	QPSK	40315	75RB#0	VH	NT	-17.05	-0.006654	±2.5	PASS
Band41	15MHz	QPSK	40740	75RB#0	VL	NT	9.97	0.003827	±2.5	PASS



Band41	15MHz	QPSK	40740	75RB#0	VN	NT	-25.49	-0.009785	±2.5	PASS
Band41	15MHz	QPSK	40740	75RB#0	VH	NT	13.06	0.005013	±2.5	PASS
Band41	15MHz	QPSK	41165	75RB#0	VL	NT	-8.64	-0.003263	±2.5	PASS
Band41	15MHz	QPSK	41165	75RB#0	VN	NT	-2.78	-0.001050	±2.5	PASS
Band41	15MHz	QPSK	41165	75RB#0	VH	NT	8.33	0.003146	±2.5	PASS
Band41	15MHz	16QAM	40315	75RB#0	VL	NT	-14.78	-0.005768	±2.5	PASS
Band41	15MHz	16QAM	40315	75RB#0	VN	NT	-22.92	-0.008944	±2.5	PASS
Band41	15MHz	16QAM	40315	75RB#0	VH	NT	-17.02	-0.006642	±2.5	PASS
Band41	15MHz	16QAM	40740	75RB#0	VL	NT	-15.56	-0.005973	±2.5	PASS
Band41	15MHz	16QAM	40740	75RB#0	VN	NT	-15.19	-0.005831	±2.5	PASS
Band41	15MHz	16QAM	40740	75RB#0	VH	NT	-11.56	-0.004438	±2.5	PASS
Band41	15MHz	16QAM	41165	75RB#0	VL	NT	-11.00	-0.004155	±2.5	PASS
Band41	15MHz	16QAM	41165	75RB#0	VN	NT	-11.83	-0.004468	±2.5	PASS
Band41	15MHz	16QAM	41165	75RB#0	VH	NT	-15.92	-0.006013	±2.5	PASS
Band41	20MHz	QPSK	40340	100RB#0	VL	NT	-10.19	-0.003973	±2.5	PASS
Band41	20MHz	QPSK	40340	100RB#0	VN	NT	-14.99	-0.005844	±2.5	PASS
Band41	20MHz	QPSK	40340	100RB#0	VH	NT	-11.37	-0.004433	±2.5	PASS
Band41	20MHz	QPSK	40740	100RB#0	VL	NT	-18.94	-0.007271	±2.5	PASS
Band41	20MHz	QPSK	40740	100RB#0	VN	NT	-19.10	-0.007332	±2.5	PASS
Band41	20MHz	QPSK	40740	100RB#0	VH	NT	-15.85	-0.006084	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	VL	NT	-15.72	-0.005943	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	VN	NT	-16.62	-0.006284	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	VH	NT	-18.21	-0.006885	±2.5	PASS
Band41	20MHz	16QAM	40340	100RB#0	VL	NT	-9.21	-0.003591	±2.5	PASS
Band41	20MHz	16QAM	40340	100RB#0	VN	NT	-20.87	-0.008136	±2.5	PASS
Band41	20MHz	16QAM	40340	100RB#0	VH	NT	-5.66	-0.002207	±2.5	PASS
Band41	20MHz	16QAM	40740	100RB#0	VL	NT	-12.52	-0.004806	±2.5	PASS
Band41	20MHz	16QAM	40740	100RB#0	VN	NT	-13.76	-0.005282	±2.5	PASS
Band41	20MHz	16QAM	40740	100RB#0	VH	NT	9.86	0.003785	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	VL	NT	-10.71	-0.004049	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	VN	NT	-9.40	-0.003554	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	VH	NT	-12.45	-0.004707	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band41	5MHz	QPSK	40265	25RB#0	NV	-30	-14.08	-0.005505	±2.5	PASS
Band41	5MHz	QPSK	40265	25RB#0	NV	-20	-25.13	-0.009826	±2.5	PASS
Band41	5MHz	QPSK	40265	25RB#0	NV	-10	-8.18	-0.003198	±2.5	PASS
Band41	5MHz	QPSK	40265	25RB#0	NV	0	-19.45	-0.007605	±2.5	PASS
Band41	5MHz	QPSK	40265	25RB#0	NV	10	-9.11	-0.003562	±2.5	PASS
Band41	5MHz	QPSK	40265	25RB#0	NV	20	-17.67	-0.006909	±2.5	PASS
Band41	5MHz	QPSK	40265	25RB#0	NV	30	-14.45	-0.005650	±2.5	PASS
Band41	5MHz	QPSK	40265	25RB#0	NV	40	-15.98	-0.006248	±2.5	PASS
Band41	5MHz	QPSK	40265	25RB#0	NV	50	-11.37	-0.004446	±2.5	PASS
Band41	5MHz	QPSK	40740	25RB#0	NV	-30	-8.96	-0.003440	±2.5	PASS

Band41	5MHz	QPSK	40740	25RB#0	NV	-20	-13.12	-0.005036	±2.5	PASS
Band41	5MHz	QPSK	40740	25RB#0	NV	-10	-5.79	-0.002223	±2.5	PASS
Band41	5MHz	QPSK	40740	25RB#0	NV	0	-13.92	-0.005344	±2.5	PASS
Band41	5MHz	QPSK	40740	25RB#0	NV	10	12.07	0.004633	±2.5	PASS
Band41	5MHz	QPSK	40740	25RB#0	NV	20	-13.78	-0.005290	±2.5	PASS
Band41	5MHz	QPSK	40740	25RB#0	NV	30	10.49	0.004027	±2.5	PASS
Band41	5MHz	QPSK	40740	25RB#0	NV	40	10.53	0.004042	±2.5	PASS
Band41	5MHz	QPSK	40740	25RB#0	NV	50	-7.88	-0.003025	±2.5	PASS
Band41	5MHz	QPSK	41215	25RB#0	NV	-30	-15.96	-0.006017	±2.5	PASS
Band41	5MHz	QPSK	41215	25RB#0	NV	-20	-8.45	-0.003186	±2.5	PASS
Band41	5MHz	QPSK	41215	25RB#0	NV	-10	-16.06	-0.006055	±2.5	PASS
Band41	5MHz	QPSK	41215	25RB#0	NV	0	-22.53	-0.008494	±2.5	PASS
Band41	5MHz	QPSK	41215	25RB#0	NV	10	-14.52	-0.005474	±2.5	PASS
Band41	5MHz	QPSK	41215	25RB#0	NV	20	-17.02	-0.006417	±2.5	PASS
Band41	5MHz	QPSK	41215	25RB#0	NV	30	-13.80	-0.005203	±2.5	PASS
Band41	5MHz	QPSK	41215	25RB#0	NV	40	3.98	0.001500	±2.5	PASS
Band41	5MHz	QPSK	41215	25RB#0	NV	50	4.88	0.001840	±2.5	PASS
Band41	5MHz	16QAM	40265	25RB#0	NV	-30	-13.12	-0.005130	±2.5	PASS
Band41	5MHz	16QAM	40265	25RB#0	NV	-20	-22.24	-0.008696	±2.5	PASS
Band41	5MHz	16QAM	40265	25RB#0	NV	-10	-6.37	-0.002491	±2.5	PASS
Band41	5MHz	16QAM	40265	25RB#0	NV	0	-21.69	-0.008481	±2.5	PASS
Band41	5MHz	16QAM	40265	25RB#0	NV	10	-20.59	-0.008051	±2.5	PASS
Band41	5MHz	16QAM	40265	25RB#0	NV	20	-20.33	-0.007949	±2.5	PASS
Band41	5MHz	16QAM	40265	25RB#0	NV	30	-18.45	-0.007214	±2.5	PASS
Band41	5MHz	16QAM	40265	25RB#0	NV	40	-13.92	-0.005443	±2.5	PASS
Band41	5MHz	16QAM	40265	25RB#0	NV	50	9.36	0.003660	±2.5	PASS
Band41	5MHz	16QAM	40740	25RB#0	NV	-30	-13.09	-0.005025	±2.5	PASS
Band41	5MHz	16QAM	40740	25RB#0	NV	-20	10.90	0.004184	±2.5	PASS
Band41	5MHz	16QAM	40740	25RB#0	NV	-10	-14.31	-0.005493	±2.5	PASS
Band41	5MHz	16QAM	40740	25RB#0	NV	0	8.20	0.003148	±2.5	PASS
Band41	5MHz	16QAM	40740	25RB#0	NV	10	-17.61	-0.006760	±2.5	PASS
Band41	5MHz	16QAM	40740	25RB#0	NV	20	-15.06	-0.005781	±2.5	PASS
Band41	5MHz	16QAM	40740	25RB#0	NV	30	-12.43	-0.004772	±2.5	PASS
Band41	5MHz	16QAM	40740	25RB#0	NV	40	-9.81	-0.003766	±2.5	PASS
Band41	5MHz	16QAM	40740	25RB#0	NV	50	-15.98	-0.006134	±2.5	PASS
Band41	5MHz	16QAM	41215	25RB#0	NV	-30	-15.35	-0.005787	±2.5	PASS
Band41	5MHz	16QAM	41215	25RB#0	NV	-20	-19.61	-0.007393	±2.5	PASS
Band41	5MHz	16QAM	41215	25RB#0	NV	-10	-23.06	-0.008694	±2.5	PASS
Band41	5MHz	16QAM	41215	25RB#0	NV	0	-19.01	-0.007167	±2.5	PASS
Band41	5MHz	16QAM	41215	25RB#0	NV	10	-17.12	-0.006454	±2.5	PASS
Band41	5MHz	16QAM	41215	25RB#0	NV	20	-17.27	-0.006511	±2.5	PASS
Band41	5MHz	16QAM	41215	25RB#0	NV	30	-20.18	-0.007608	±2.5	PASS
Band41	5MHz	16QAM	41215	25RB#0	NV	40	-13.28	-0.005007	±2.5	PASS
Band41	5MHz	16QAM	41215	25RB#0	NV	50	-13.05	-0.004920	±2.5	PASS
Band41	10MHz	QPSK	40290	50RB#0	NV	-30	-15.13	-0.005910	±2.5	PASS

Band41	10MHz	QPSK	40290	50RB#0	NV	-20	9.10	0.003555	±2.5	PASS
Band41	10MHz	QPSK	40290	50RB#0	NV	-10	-12.26	-0.004789	±2.5	PASS
Band41	10MHz	QPSK	40290	50RB#0	NV	0	-18.67	-0.007293	±2.5	PASS
Band41	10MHz	QPSK	40290	50RB#0	NV	10	-14.16	-0.005531	±2.5	PASS
Band41	10MHz	QPSK	40290	50RB#0	NV	20	-14.48	-0.005656	±2.5	PASS
Band41	10MHz	QPSK	40290	50RB#0	NV	30	-9.71	-0.003793	±2.5	PASS
Band41	10MHz	QPSK	40290	50RB#0	NV	40	-15.48	-0.006047	±2.5	PASS
Band41	10MHz	QPSK	40290	50RB#0	NV	50	-13.98	-0.005461	±2.5	PASS
Band41	10MHz	QPSK	40740	50RB#0	NV	-30	-20.66	-0.007931	±2.5	PASS
Band41	10MHz	QPSK	40740	50RB#0	NV	-20	-26.65	-0.010230	±2.5	PASS
Band41	10MHz	QPSK	40740	50RB#0	NV	-10	4.72	0.001812	±2.5	PASS
Band41	10MHz	QPSK	40740	50RB#0	NV	0	14.91	0.005724	±2.5	PASS
Band41	10MHz	QPSK	40740	50RB#0	NV	10	-12.90	-0.004952	±2.5	PASS
Band41	10MHz	QPSK	40740	50RB#0	NV	20	-14.22	-0.005459	±2.5	PASS
Band41	10MHz	QPSK	40740	50RB#0	NV	30	-17.88	-0.006864	±2.5	PASS
Band41	10MHz	QPSK	40740	50RB#0	NV	40	-21.66	-0.008315	±2.5	PASS
Band41	10MHz	QPSK	40740	50RB#0	NV	50	-16.81	-0.006453	±2.5	PASS
Band41	10MHz	QPSK	41190	50RB#0	NV	-30	-4.33	-0.001634	±2.5	PASS
Band41	10MHz	QPSK	41190	50RB#0	NV	-20	-33.93	-0.012804	±2.5	PASS
Band41	10MHz	QPSK	41190	50RB#0	NV	-10	-13.15	-0.004962	±2.5	PASS
Band41	10MHz	QPSK	41190	50RB#0	NV	0	-6.75	-0.002547	±2.5	PASS
Band41	10MHz	QPSK	41190	50RB#0	NV	10	-17.87	-0.006743	±2.5	PASS
Band41	10MHz	QPSK	41190	50RB#0	NV	20	-10.63	-0.004011	±2.5	PASS
Band41	10MHz	QPSK	41190	50RB#0	NV	30	3.88	0.001464	±2.5	PASS
Band41	10MHz	QPSK	41190	50RB#0	NV	40	-19.13	-0.007219	±2.5	PASS
Band41	10MHz	QPSK	41190	50RB#0	NV	50	-17.19	-0.006487	±2.5	PASS
Band41	10MHz	16QAM	40290	50RB#0	NV	-30	-22.07	-0.008621	±2.5	PASS
Band41	10MHz	16QAM	40290	50RB#0	NV	-20	-17.52	-0.006844	±2.5	PASS
Band41	10MHz	16QAM	40290	50RB#0	NV	-10	-22.69	-0.008863	±2.5	PASS
Band41	10MHz	16QAM	40290	50RB#0	NV	0	-30.24	-0.011813	±2.5	PASS
Band41	10MHz	16QAM	40290	50RB#0	NV	10	-13.98	-0.005461	±2.5	PASS
Band41	10MHz	16QAM	40290	50RB#0	NV	20	87.52	0.034188	±2.5	PASS
Band41	10MHz	16QAM	40290	50RB#0	NV	30	28.61	0.011176	±2.5	PASS
Band41	10MHz	16QAM	40290	50RB#0	NV	40	173.65	0.067832	±2.5	PASS
Band41	10MHz	16QAM	40290	50RB#0	NV	50	-39.08	-0.015266	±2.5	PASS
Band41	10MHz	16QAM	40740	50RB#0	NV	-30	-16.69	-0.006407	±2.5	PASS
Band41	10MHz	16QAM	40740	50RB#0	NV	-20	-4.84	-0.001858	±2.5	PASS
Band41	10MHz	16QAM	40740	50RB#0	NV	-10	7.38	0.002833	±2.5	PASS
Band41	10MHz	16QAM	40740	50RB#0	NV	0	-17.82	-0.006841	±2.5	PASS
Band41	10MHz	16QAM	40740	50RB#0	NV	10	-13.33	-0.005117	±2.5	PASS
Band41	10MHz	16QAM	40740	50RB#0	NV	20	-5.44	-0.002088	±2.5	PASS
Band41	10MHz	16QAM	40740	50RB#0	NV	30	6.57	0.002522	±2.5	PASS
Band41	10MHz	16QAM	40740	50RB#0	NV	40	-18.74	-0.007194	±2.5	PASS
Band41	10MHz	16QAM	40740	50RB#0	NV	50	-20.47	-0.007858	±2.5	PASS
Band41	10MHz	16QAM	41190	50RB#0	NV	-30	-11.60	-0.004377	±2.5	PASS

Band41	10MHz	16QAM	41190	50RB#0	NV	-20	-16.97	-0.006404	±2.5	PASS
Band41	10MHz	16QAM	41190	50RB#0	NV	-10	-16.06	-0.006060	±2.5	PASS
Band41	10MHz	16QAM	41190	50RB#0	NV	0	-19.90	-0.007509	±2.5	PASS
Band41	10MHz	16QAM	41190	50RB#0	NV	10	-12.80	-0.004830	±2.5	PASS
Band41	10MHz	16QAM	41190	50RB#0	NV	20	-11.46	-0.004325	±2.5	PASS
Band41	10MHz	16QAM	41190	50RB#0	NV	30	-27.97	-0.010555	±2.5	PASS
Band41	10MHz	16QAM	41190	50RB#0	NV	40	-17.14	-0.006468	±2.5	PASS
Band41	10MHz	16QAM	41190	50RB#0	NV	50	-12.86	-0.004853	±2.5	PASS
Band41	15MHz	QPSK	40315	75RB#0	NV	-30	-16.81	-0.006560	±2.5	PASS
Band41	15MHz	QPSK	40315	75RB#0	NV	-20	-25.69	-0.010025	±2.5	PASS
Band41	15MHz	QPSK	40315	75RB#0	NV	-10	-17.09	-0.006669	±2.5	PASS
Band41	15MHz	QPSK	40315	75RB#0	NV	0	-25.32	-0.009881	±2.5	PASS
Band41	15MHz	QPSK	40315	75RB#0	NV	10	-12.82	-0.005003	±2.5	PASS
Band41	15MHz	QPSK	40315	75RB#0	NV	20	11.13	0.004343	±2.5	PASS
Band41	15MHz	QPSK	40315	75RB#0	NV	30	-22.20	-0.008663	±2.5	PASS
Band41	15MHz	QPSK	40315	75RB#0	NV	40	-26.52	-0.010349	±2.5	PASS
Band41	15MHz	QPSK	40315	75RB#0	NV	50	-12.40	-0.004839	±2.5	PASS
Band41	15MHz	QPSK	40740	75RB#0	NV	-30	-17.02	-0.006534	±2.5	PASS
Band41	15MHz	QPSK	40740	75RB#0	NV	-20	-11.47	-0.004403	±2.5	PASS
Band41	15MHz	QPSK	40740	75RB#0	NV	-10	11.76	0.004514	±2.5	PASS
Band41	15MHz	QPSK	40740	75RB#0	NV	0	-27.98	-0.010741	±2.5	PASS
Band41	15MHz	QPSK	40740	75RB#0	NV	10	3.98	0.001528	±2.5	PASS
Band41	15MHz	QPSK	40740	75RB#0	NV	20	-9.04	-0.003470	±2.5	PASS
Band41	15MHz	QPSK	40740	75RB#0	NV	30	-22.14	-0.008499	±2.5	PASS
Band41	15MHz	QPSK	40740	75RB#0	NV	40	7.77	0.002983	±2.5	PASS
Band41	15MHz	QPSK	40740	75RB#0	NV	50	-8.30	-0.003186	±2.5	PASS
Band41	15MHz	QPSK	41165	75RB#0	NV	-30	-12.73	-0.004808	±2.5	PASS
Band41	15MHz	QPSK	41165	75RB#0	NV	-20	-24.49	-0.009250	±2.5	PASS
Band41	15MHz	QPSK	41165	75RB#0	NV	-10	12.20	0.004608	±2.5	PASS
Band41	15MHz	QPSK	41165	75RB#0	NV	0	9.30	0.003513	±2.5	PASS
Band41	15MHz	QPSK	41165	75RB#0	NV	10	5.15	0.001945	±2.5	PASS
Band41	15MHz	QPSK	41165	75RB#0	NV	20	-10.93	-0.004128	±2.5	PASS
Band41	15MHz	QPSK	41165	75RB#0	NV	30	-20.18	-0.007622	±2.5	PASS
Band41	15MHz	QPSK	41165	75RB#0	NV	40	-9.61	-0.003630	±2.5	PASS
Band41	15MHz	QPSK	41165	75RB#0	NV	50	-17.07	-0.006448	±2.5	PASS
Band41	15MHz	16QAM	40315	75RB#0	NV	-30	-10.44	-0.004074	±2.5	PASS
Band41	15MHz	16QAM	40315	75RB#0	NV	-20	-14.20	-0.005541	±2.5	PASS
Band41	15MHz	16QAM	40315	75RB#0	NV	-10	-13.33	-0.005202	±2.5	PASS
Band41	15MHz	16QAM	40315	75RB#0	NV	0	-12.29	-0.004796	±2.5	PASS
Band41	15MHz	16QAM	40315	75RB#0	NV	10	-10.01	-0.003906	±2.5	PASS
Band41	15MHz	16QAM	40315	75RB#0	NV	20	-11.84	-0.004620	±2.5	PASS
Band41	15MHz	16QAM	40315	75RB#0	NV	30	-19.80	-0.007727	±2.5	PASS
Band41	15MHz	16QAM	40315	75RB#0	NV	40	-14.20	-0.005541	±2.5	PASS
Band41	15MHz	16QAM	40315	75RB#0	NV	50	-11.56	-0.004511	±2.5	PASS
Band41	15MHz	16QAM	40740	75RB#0	NV	-30	-14.13	-0.005424	±2.5	PASS

Band41	15MHz	16QAM	40740	75RB#0	NV	-20	-12.89	-0.004948	±2.5	PASS
Band41	15MHz	16QAM	40740	75RB#0	NV	-10	-21.94	-0.008422	±2.5	PASS
Band41	15MHz	16QAM	40740	75RB#0	NV	0	-14.28	-0.005482	±2.5	PASS
Band41	15MHz	16QAM	40740	75RB#0	NV	10	-10.67	-0.004096	±2.5	PASS
Band41	15MHz	16QAM	40740	75RB#0	NV	20	-11.67	-0.004480	±2.5	PASS
Band41	15MHz	16QAM	40740	75RB#0	NV	30	-14.22	-0.005459	±2.5	PASS
Band41	15MHz	16QAM	40740	75RB#0	NV	40	-7.81	-0.002998	±2.5	PASS
Band41	15MHz	16QAM	40740	75RB#0	NV	50	-23.47	-0.009010	±2.5	PASS
Band41	15MHz	16QAM	41165	75RB#0	NV	-30	-16.29	-0.006153	±2.5	PASS
Band41	15MHz	16QAM	41165	75RB#0	NV	-20	-17.82	-0.006731	±2.5	PASS
Band41	15MHz	16QAM	41165	75RB#0	NV	-10	-11.40	-0.004306	±2.5	PASS
Band41	15MHz	16QAM	41165	75RB#0	NV	0	-11.69	-0.004415	±2.5	PASS
Band41	15MHz	16QAM	41165	75RB#0	NV	10	-24.72	-0.009337	±2.5	PASS
Band41	15MHz	16QAM	41165	75RB#0	NV	20	-15.89	-0.006002	±2.5	PASS
Band41	15MHz	16QAM	41165	75RB#0	NV	30	-17.41	-0.006576	±2.5	PASS
Band41	15MHz	16QAM	41165	75RB#0	NV	40	4.46	0.001685	±2.5	PASS
Band41	15MHz	16QAM	41165	75RB#0	NV	50	-18.30	-0.006912	±2.5	PASS
Band41	20MHz	QPSK	40340	100RB#0	NV	-30	-12.70	-0.004951	±2.5	PASS
Band41	20MHz	QPSK	40340	100RB#0	NV	-20	-13.28	-0.005177	±2.5	PASS
Band41	20MHz	QPSK	40340	100RB#0	NV	-10	-13.58	-0.005294	±2.5	PASS
Band41	20MHz	QPSK	40340	100RB#0	NV	0	-13.03	-0.005080	±2.5	PASS
Band41	20MHz	QPSK	40340	100RB#0	NV	10	-14.99	-0.005844	±2.5	PASS
Band41	20MHz	QPSK	40340	100RB#0	NV	20	-15.46	-0.006027	±2.5	PASS
Band41	20MHz	QPSK	40340	100RB#0	NV	30	-7.71	-0.003006	±2.5	PASS
Band41	20MHz	QPSK	40340	100RB#0	NV	40	-18.78	-0.007322	±2.5	PASS
Band41	20MHz	QPSK	40340	100RB#0	NV	50	-13.65	-0.005322	±2.5	PASS
Band41	20MHz	QPSK	40740	100RB#0	NV	-30	-18.84	-0.007232	±2.5	PASS
Band41	20MHz	QPSK	40740	100RB#0	NV	-20	-14.96	-0.005743	±2.5	PASS
Band41	20MHz	QPSK	40740	100RB#0	NV	-10	-11.43	-0.004388	±2.5	PASS
Band41	20MHz	QPSK	40740	100RB#0	NV	0	-6.87	-0.002637	±2.5	PASS
Band41	20MHz	QPSK	40740	100RB#0	NV	10	-18.32	-0.007033	±2.5	PASS
Band41	20MHz	QPSK	40740	100RB#0	NV	20	-23.13	-0.008879	±2.5	PASS
Band41	20MHz	QPSK	40740	100RB#0	NV	30	-9.20	-0.003532	±2.5	PASS
Band41	20MHz	QPSK	40740	100RB#0	NV	40	-18.02	-0.006917	±2.5	PASS
Band41	20MHz	QPSK	40740	100RB#0	NV	50	-20.27	-0.007781	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	-30	-18.88	-0.007138	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	-20	-7.91	-0.002991	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	-10	-23.60	-0.008922	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	0	-21.24	-0.008030	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	10	-18.45	-0.006975	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	20	-18.60	-0.007032	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	30	-8.37	-0.003164	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	40	-17.17	-0.006491	±2.5	PASS
Band41	20MHz	QPSK	41140	100RB#0	NV	50	-17.38	-0.006571	±2.5	PASS
Band41	20MHz	16QAM	40340	100RB#0	NV	-30	-16.31	-0.006359	±2.5	PASS

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Band41	20MHz	16QAM	40340	100RB#0	NV	-20	6.72	0.002620	±2.5	PASS
Band41	20MHz	16QAM	40340	100RB#0	NV	-10	-17.98	-0.007010	±2.5	PASS
Band41	20MHz	16QAM	40340	100RB#0	NV	0	-18.91	-0.007372	±2.5	PASS
Band41	20MHz	16QAM	40340	100RB#0	NV	10	-14.69	-0.005727	±2.5	PASS
Band41	20MHz	16QAM	40340	100RB#0	NV	20	-22.14	-0.008632	±2.5	PASS
Band41	20MHz	16QAM	40340	100RB#0	NV	30	-5.87	-0.002288	±2.5	PASS
Band41	20MHz	16QAM	40340	100RB#0	NV	40	-18.83	-0.007341	±2.5	PASS
Band41	20MHz	16QAM	40340	100RB#0	NV	50	-19.73	-0.007692	±2.5	PASS
Band41	20MHz	16QAM	40740	100RB#0	NV	-30	-7.02	-0.002695	±2.5	PASS
Band41	20MHz	16QAM	40740	100RB#0	NV	-20	-16.21	-0.006223	±2.5	PASS
Band41	20MHz	16QAM	40740	100RB#0	NV	-10	15.92	0.006111	±2.5	PASS
Band41	20MHz	16QAM	40740	100RB#0	NV	0	-18.41	-0.007067	±2.5	PASS
Band41	20MHz	16QAM	40740	100RB#0	NV	10	-11.72	-0.004499	±2.5	PASS
Band41	20MHz	16QAM	40740	100RB#0	NV	20	-15.25	-0.005854	±2.5	PASS
Band41	20MHz	16QAM	40740	100RB#0	NV	30	-9.21	-0.003536	±2.5	PASS
Band41	20MHz	16QAM	40740	100RB#0	NV	40	-10.79	-0.004142	±2.5	PASS
Band41	20MHz	16QAM	40740	100RB#0	NV	50	-13.26	-0.005090	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	-30	-12.93	-0.004888	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	-20	-13.13	-0.004964	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	-10	-13.49	-0.005100	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	0	-13.98	-0.005285	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	10	-6.54	-0.002473	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	20	-5.62	-0.002125	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	30	-11.69	-0.004420	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	40	10.36	0.003917	±2.5	PASS
Band41	20MHz	16QAM	41140	100RB#0	NV	50	-15.02	-0.005679	±2.5	PASS

\*\*\*\*\* End \*\*\*\*\*