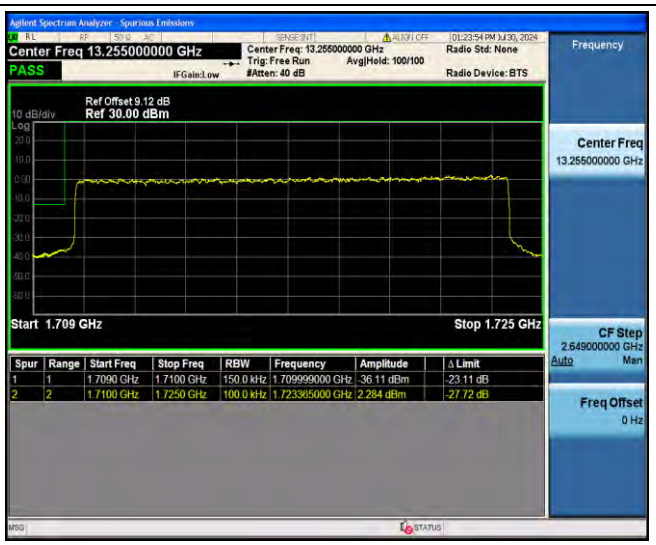
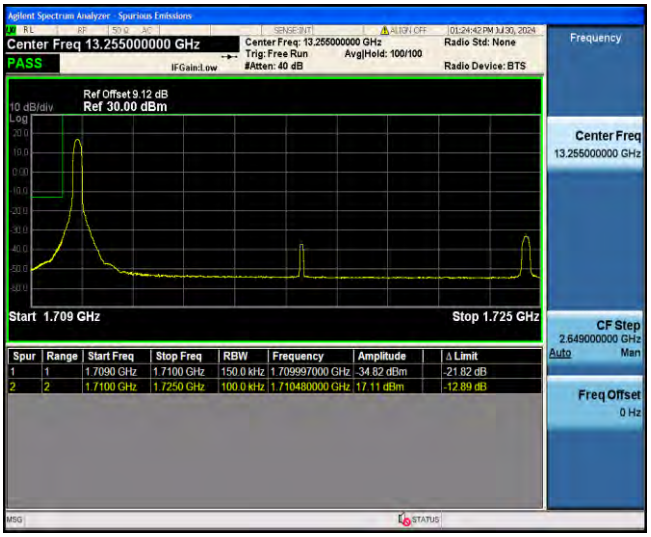
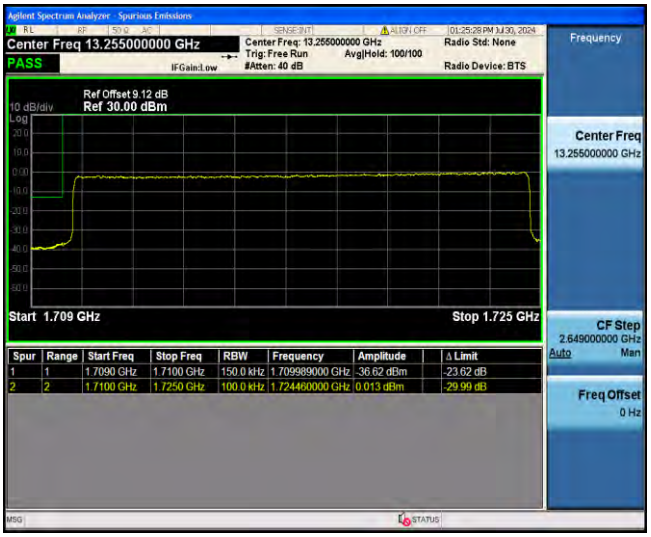


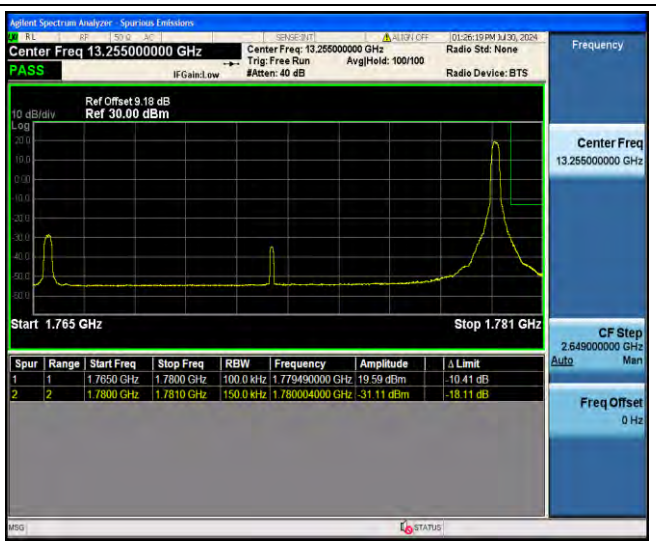
1-N66-PC3-15-15-L-3-DFT-PI2BPSK-Outer_Full-75@0-Ant1-1710.00-23.11--36.11-PASS



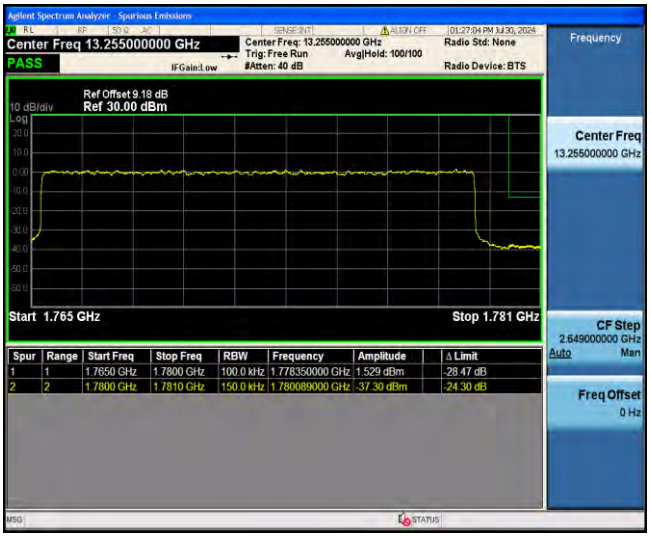
1-N66-PC3-15-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1710.00-21.82--34.82-PASS



1-N66-PC3-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant1-1709.99-23.62--36.62-PASS



1-N66-PC3-15-15-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@78-Ant1-1780.00-18.11--31.11-PASS



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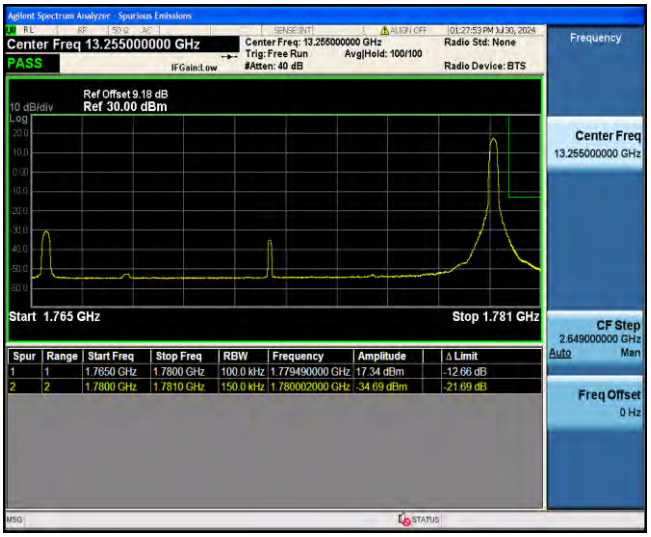
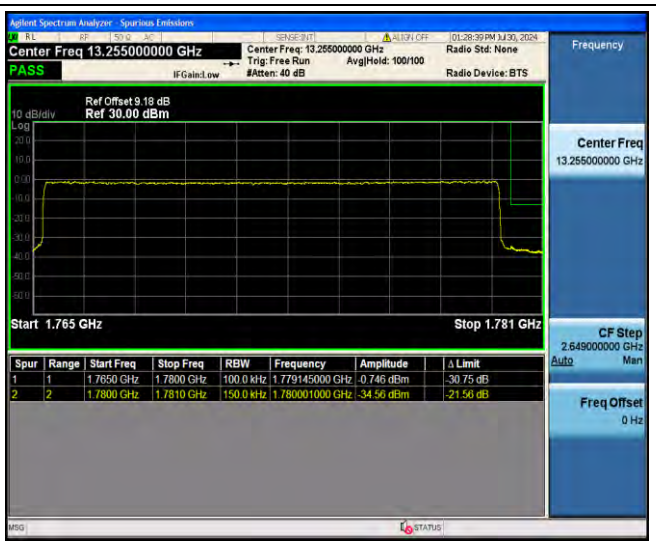


1-N66-PC3-15-15-H-5-CP-QPSK-Edge_1RB_Right-1@78-Ant1-1780.00-21.69--34.69-PASS



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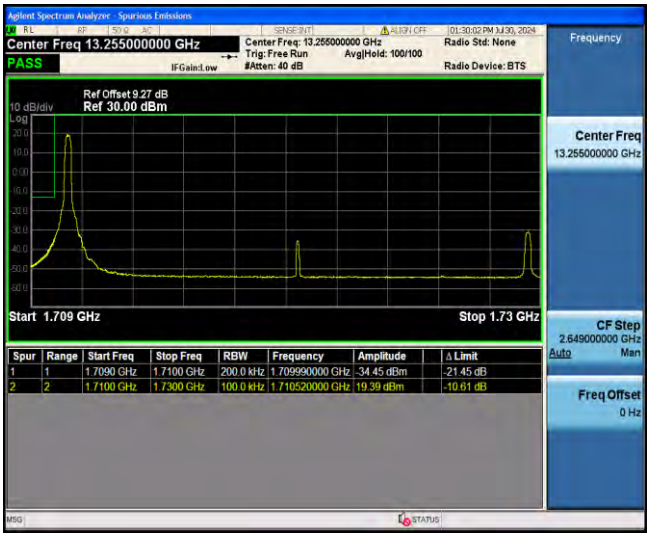

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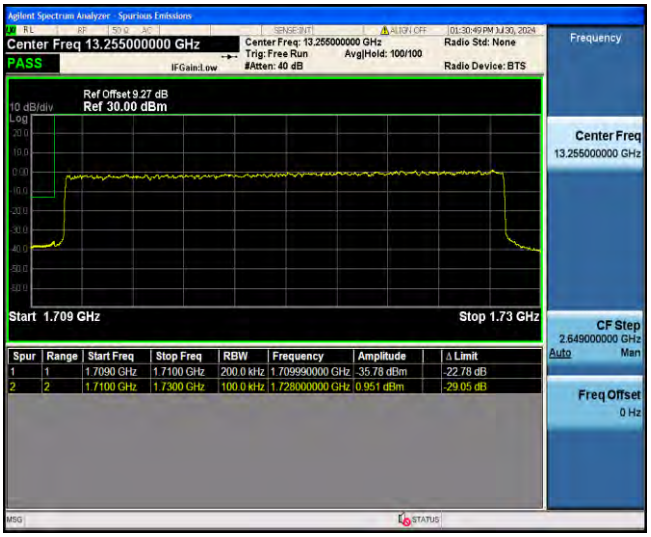

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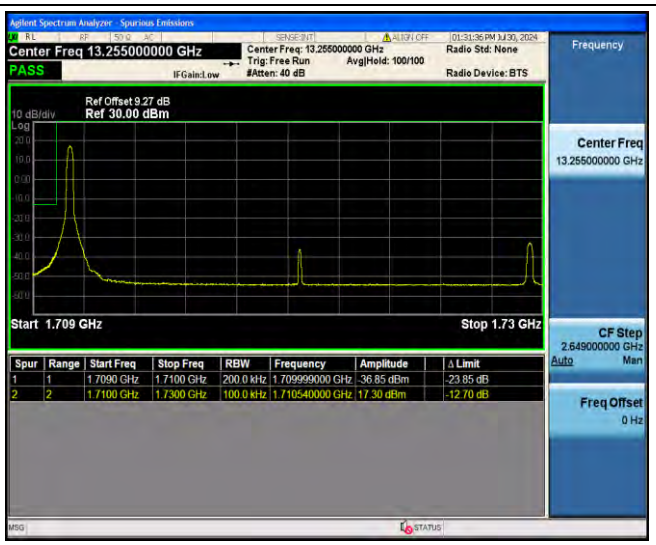
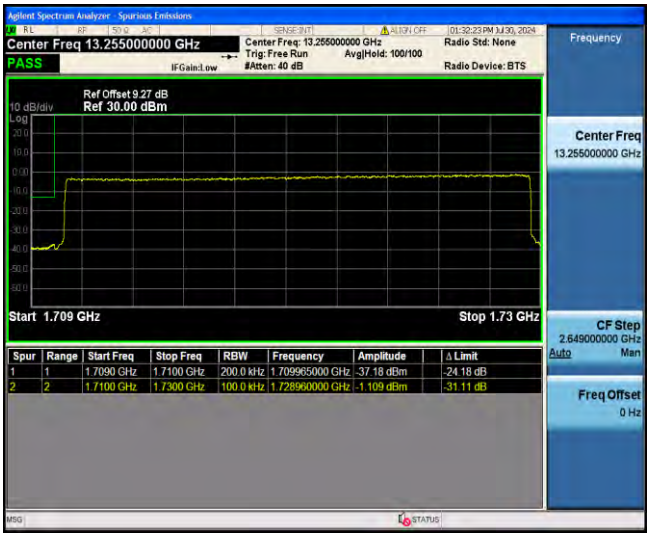


1-N66-PC3-15-20-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1710.00-23.85--36.85-PASS



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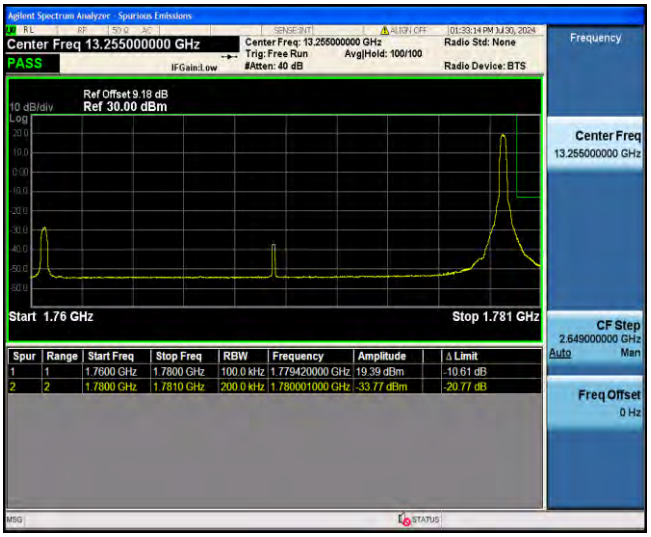
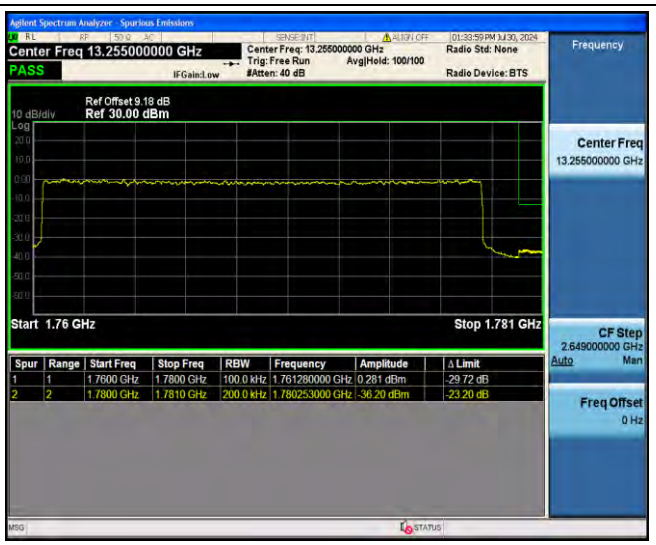
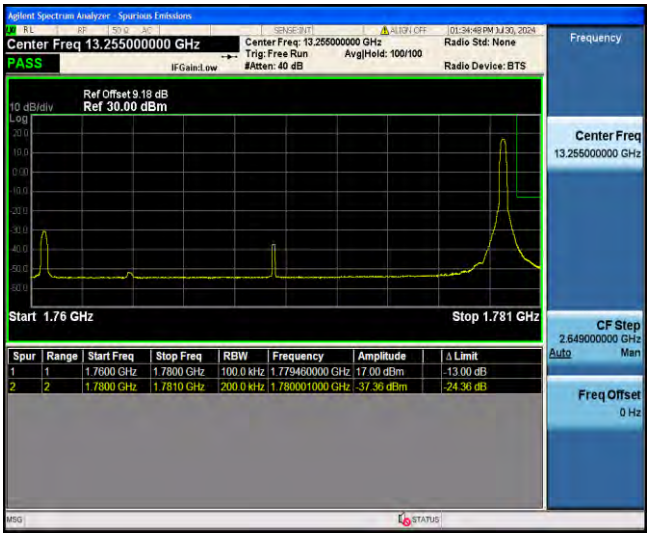


1-N66-PC3-15-20-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@105-Ant1-1780.00-20.77--33.77-PASS



1-N66-PC3-15-20-H-3-DFT-PI2BPSK-Outer_Full-100@0-Ant1-1780.25-23.20--36.20-PASS



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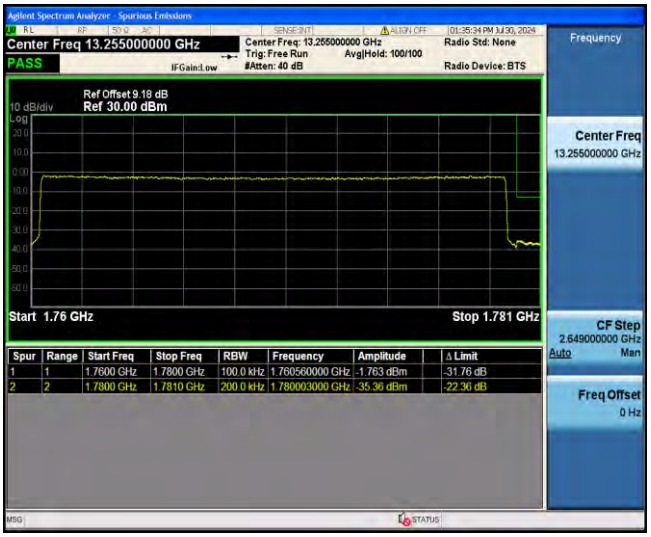
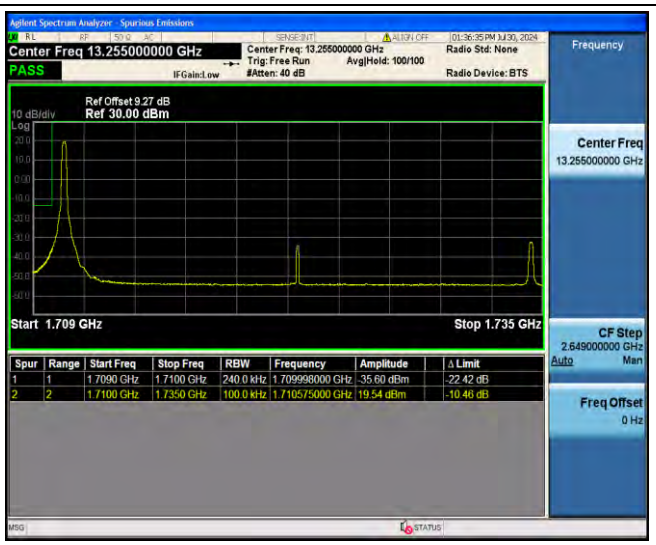
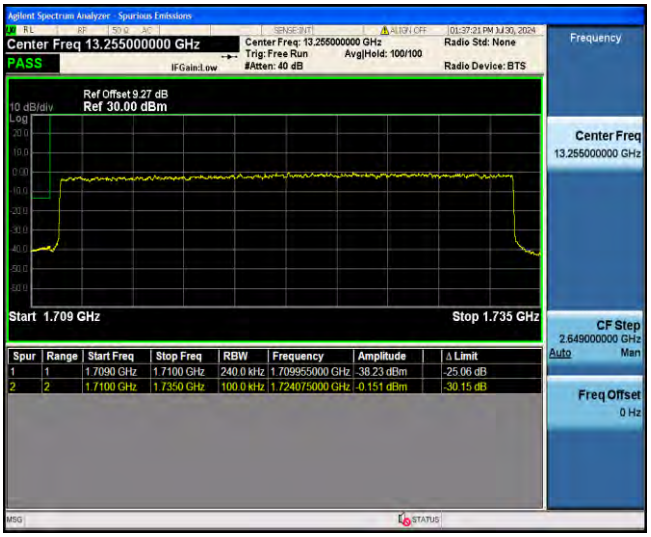


1-N66-PC3-15-20-H-6-CP-QPSK-Outer_Full-106@0-Ant1-1780.00-22.36--35.36-PASS



1-N66-PC3-15-25-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1710.00-22.40--35.60-PASS



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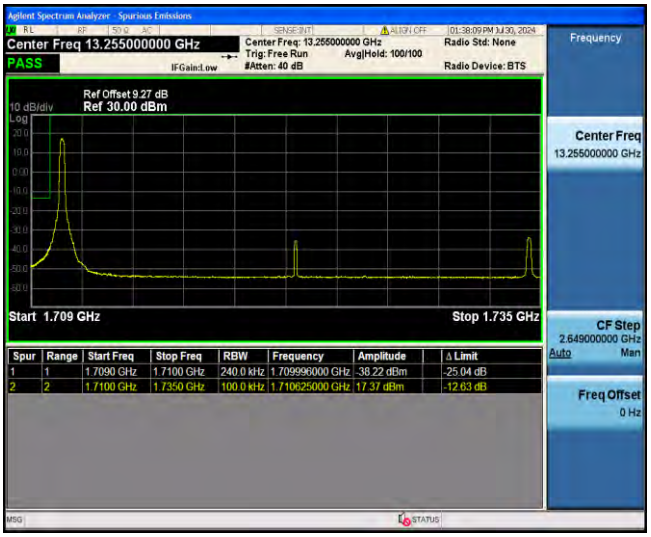
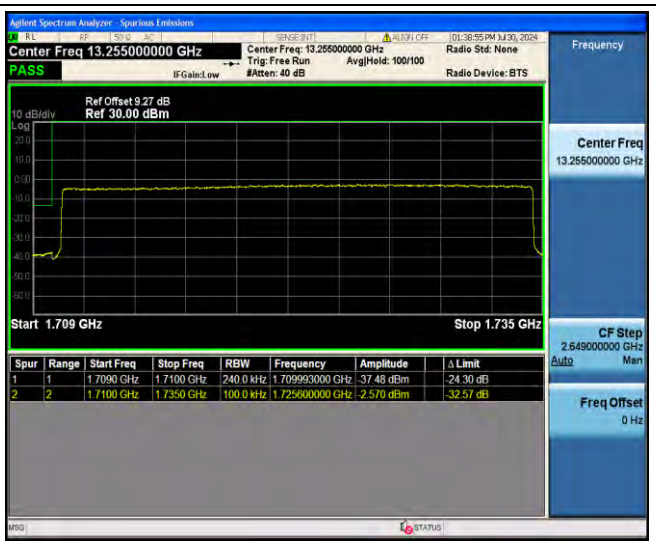


1-N66-PC3-15-25-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1710.00-25.02--38.22-PASS



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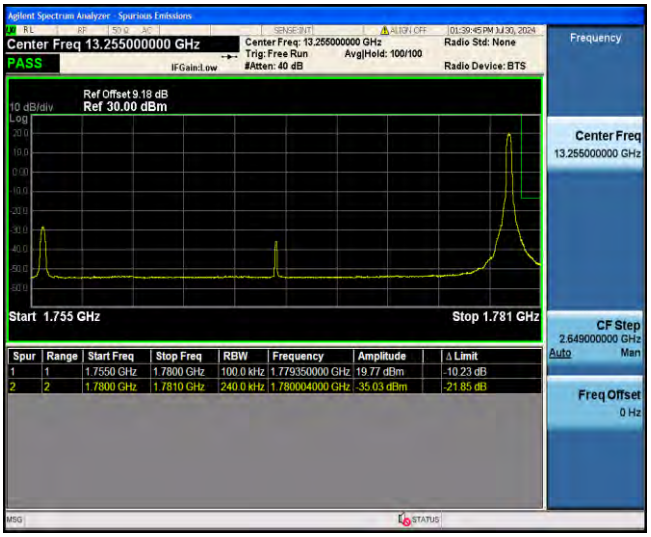
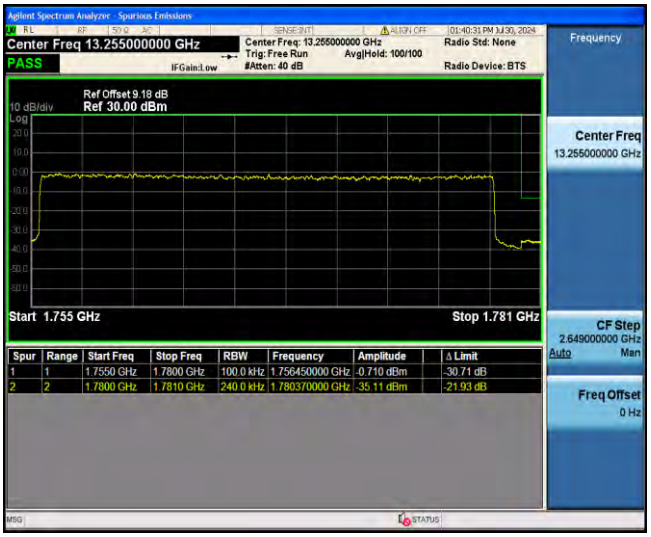


1-N66-PC3-15-25-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@132-Ant1-1780.00-21.83--35.03-PASS



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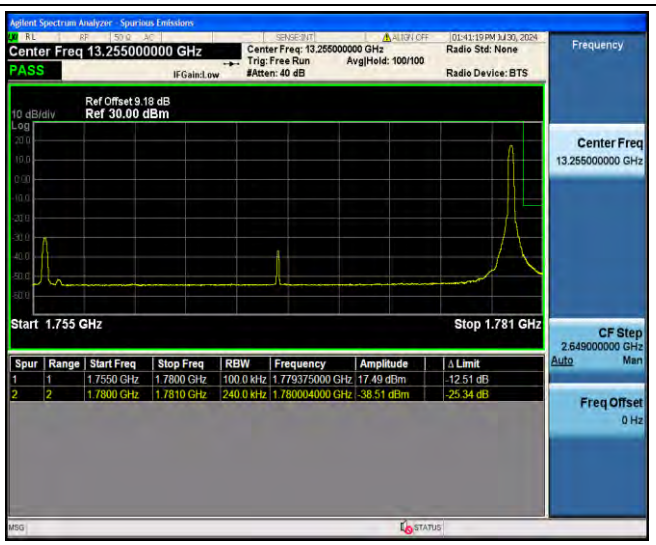
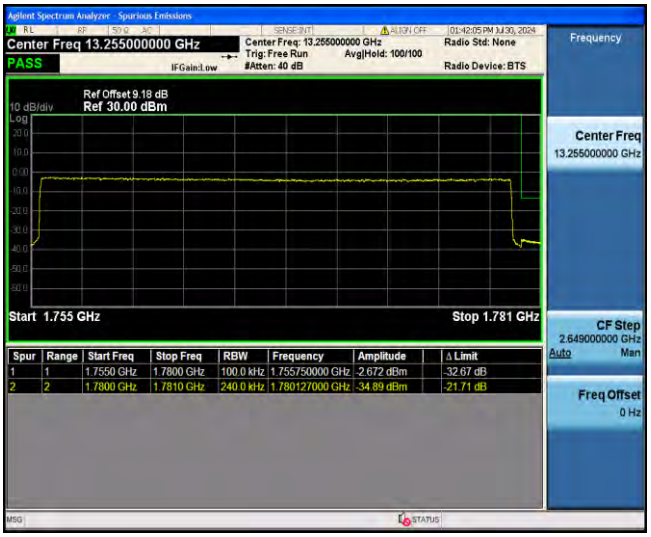


1-N66-PC3-15-25-H-5-CP-QPSK-Edge_1RB_Right-1@132-Ant1-1780.00-25.31--38.51-PASS



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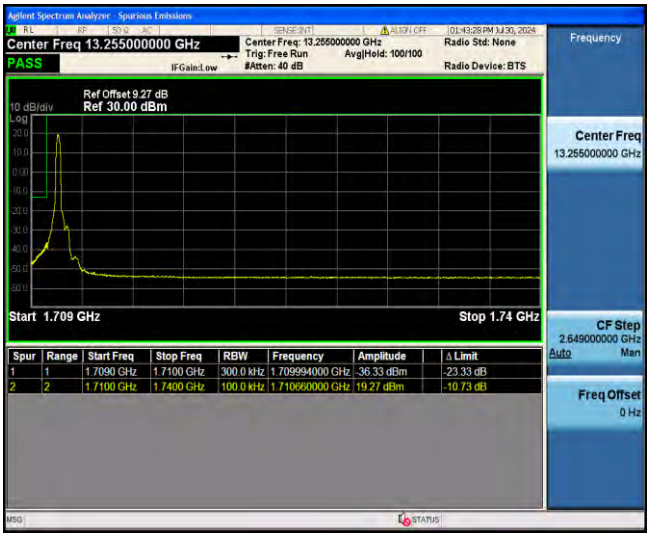
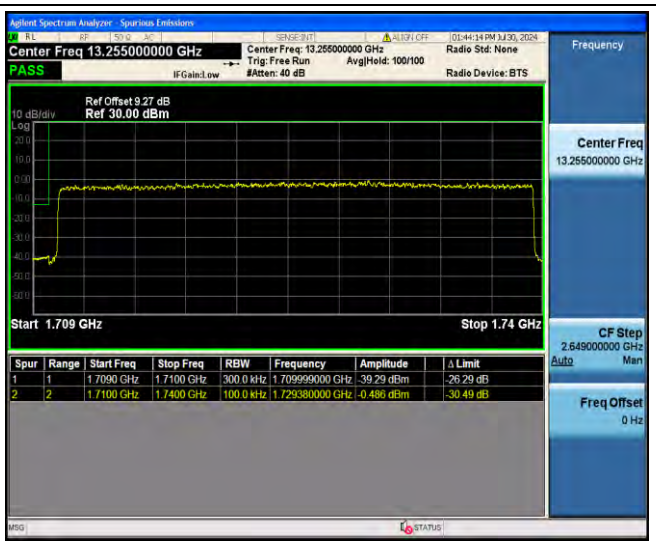


1-N66-PC3-15-30-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1709.99-23.33--36.33-PASS



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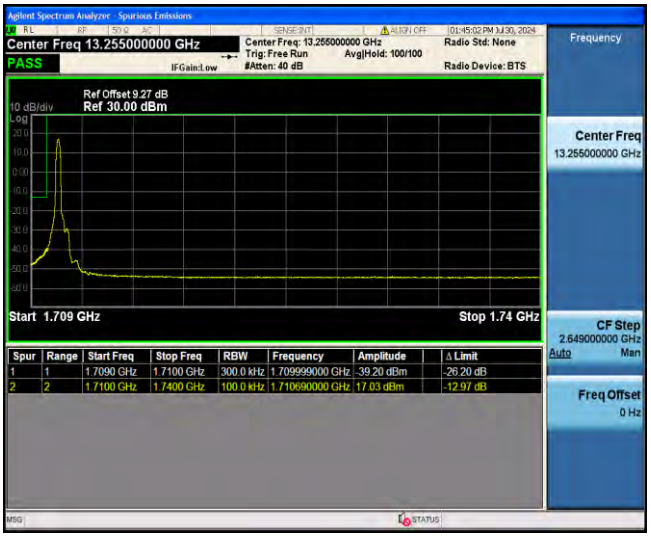
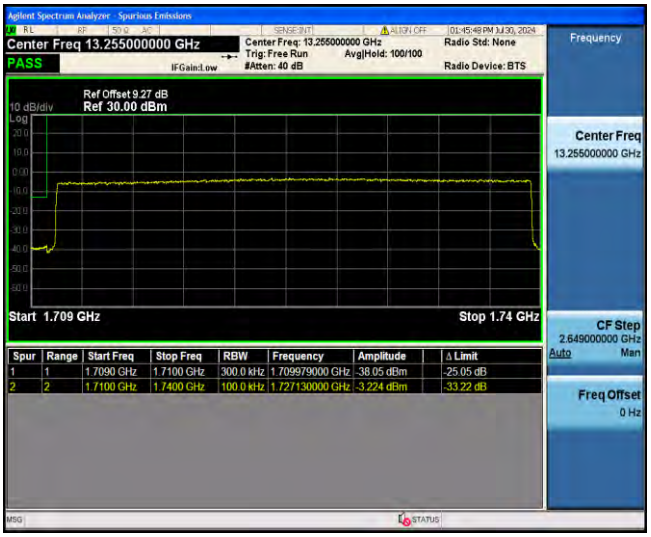
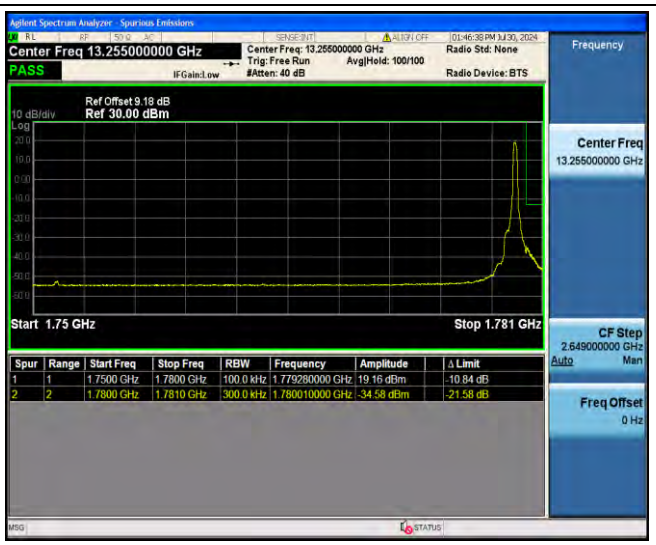


1-N66-PC3-15-30-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1710.00-26.20--39.20-PASS



1-N66-PC3-15-30-L-6-CP-QPSK-Outer_Full-160@0-Ant1-1709.98-25.05--38.05-PASS



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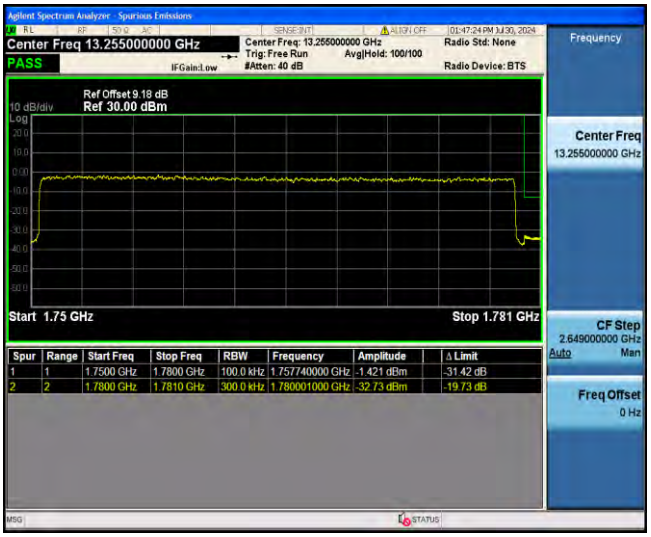

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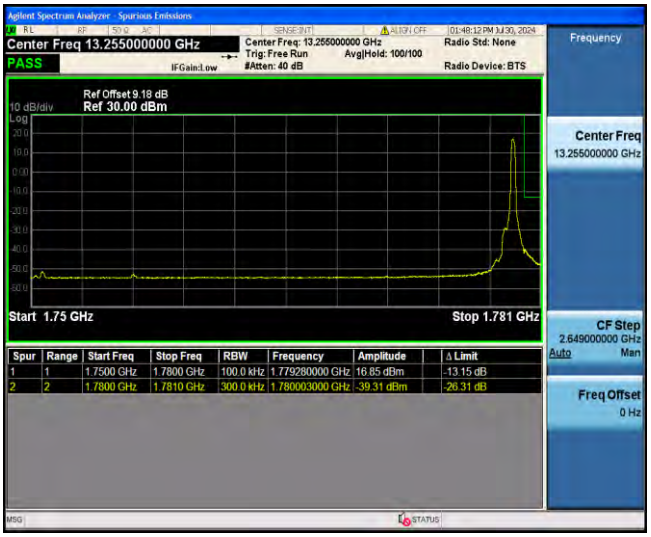
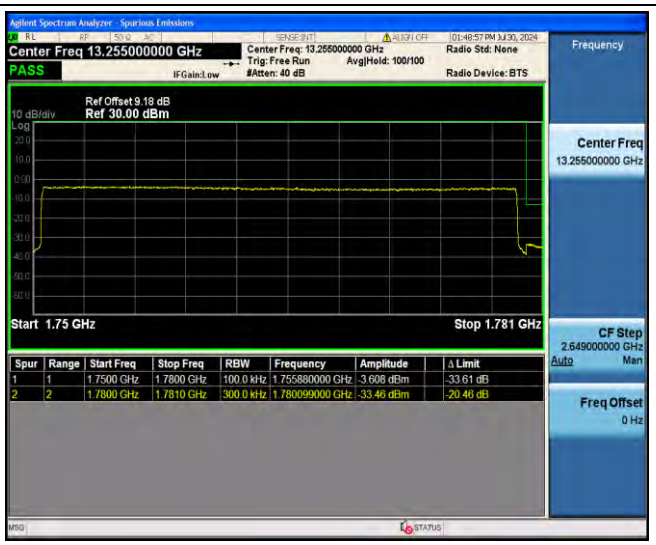
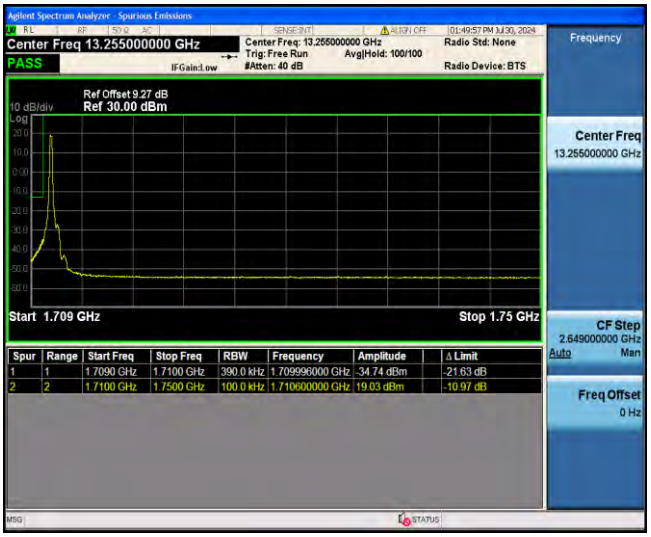


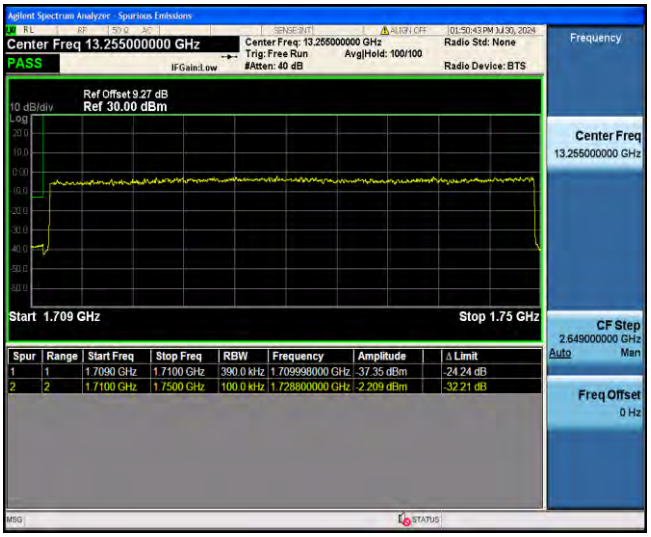
1-N66-PC3-15-30-H-5-CP-QPSK-Edge_1RB_Right-1@159-Ant1-1780.00-26.31--39.31-PASS



1-N66-PC3-15-30-H-6-CP-QPSK-Outer_Full-160@0-Ant1-1780.10-20.46--33.46-PASS



1-N66-PC3-15-40-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1710.00-21.64--34.74-PASS



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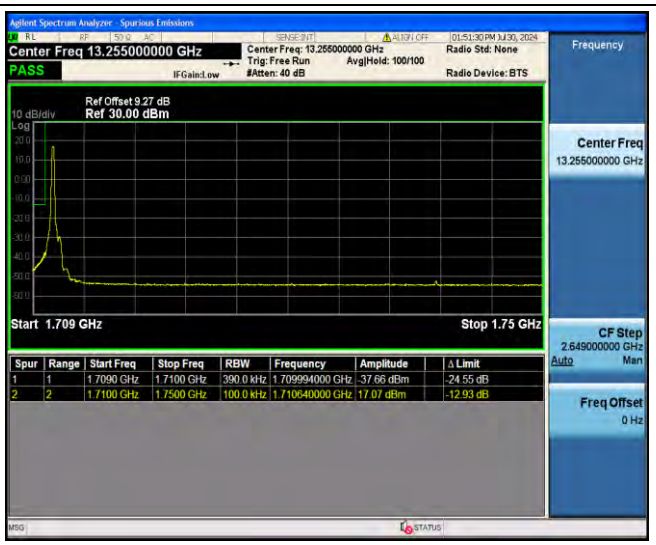

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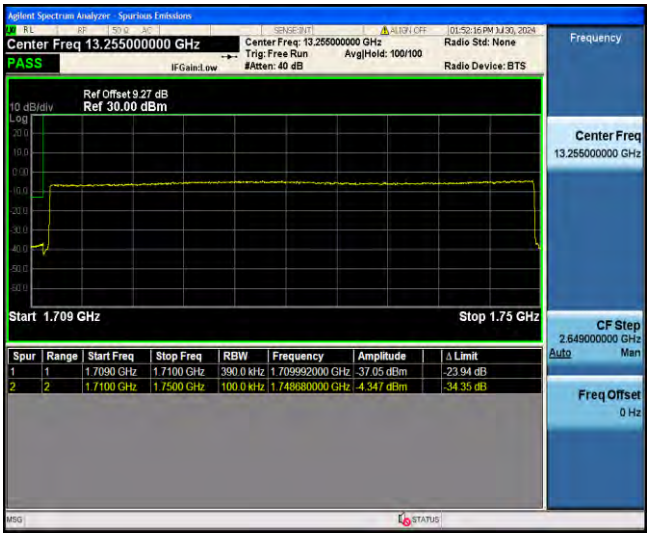
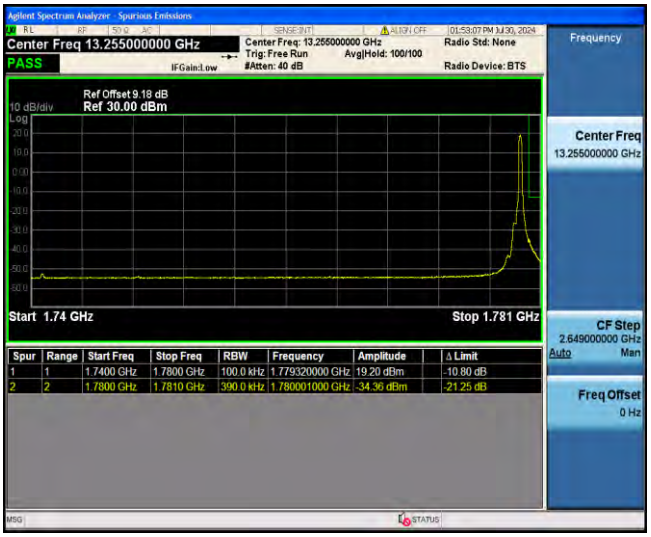
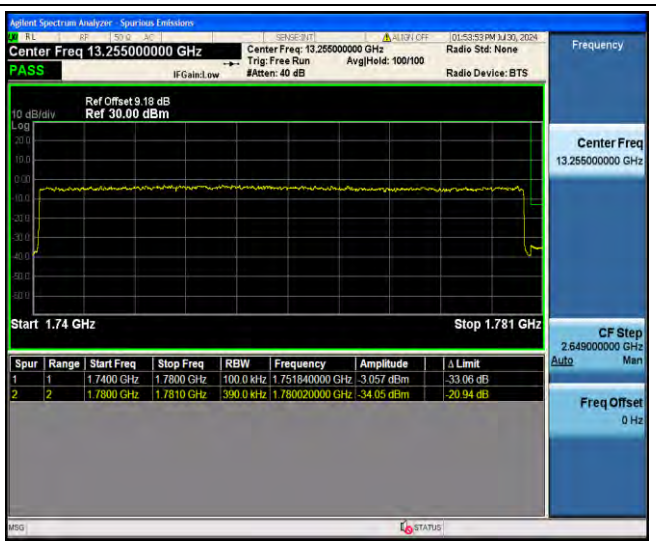


1-N66-PC3-15-40-L-6-CP-QPSK-Outer_Full-216@0-Ant1-1709.99-23.95--37.05-PASS



1-N66-PC3-15-40-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@215-Ant1-1780.00-21.26--34.36-PASS



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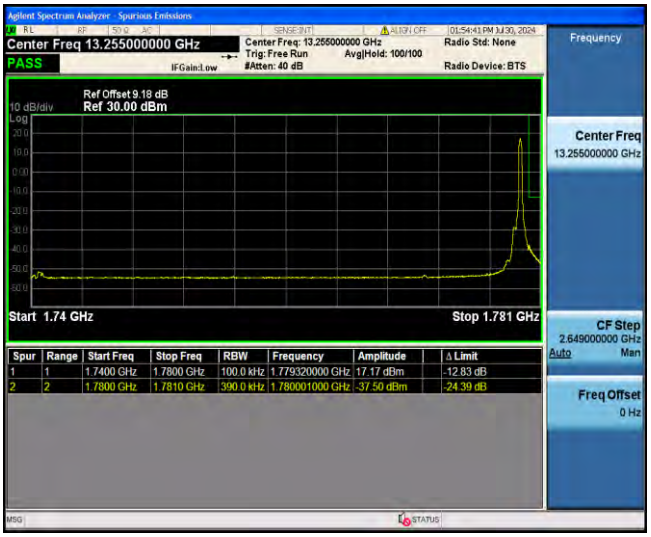

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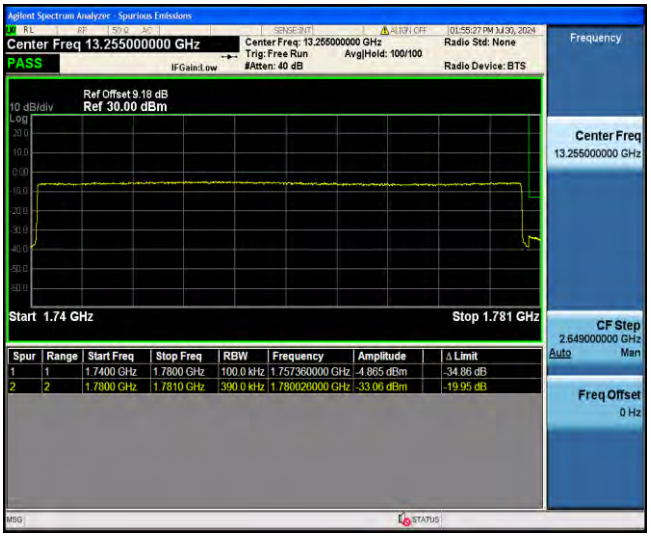

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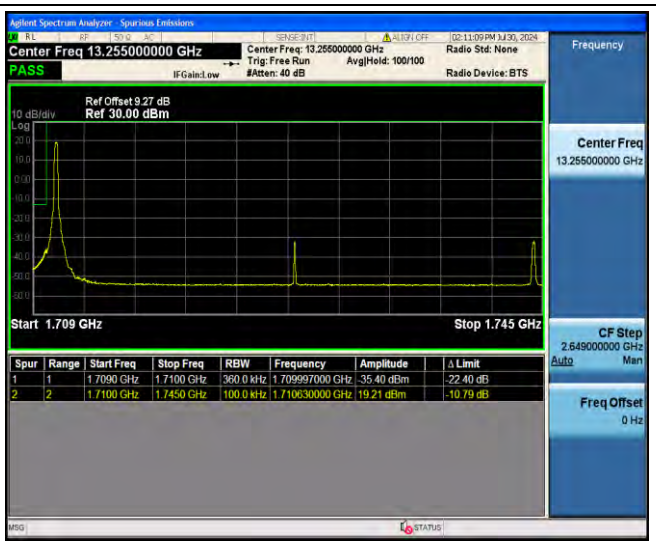
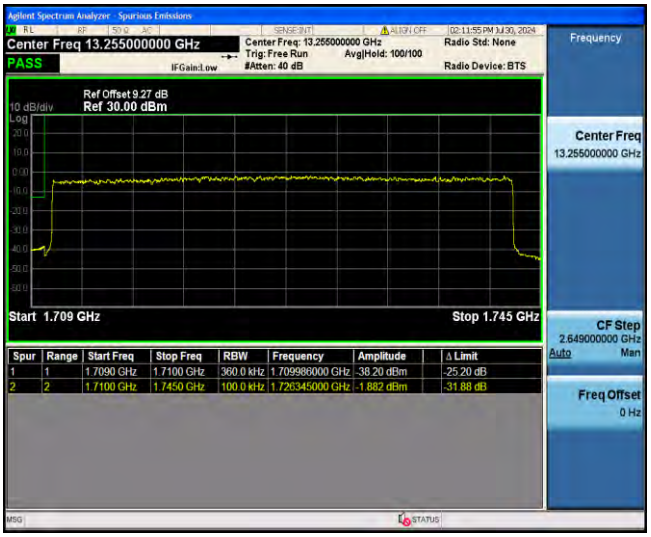
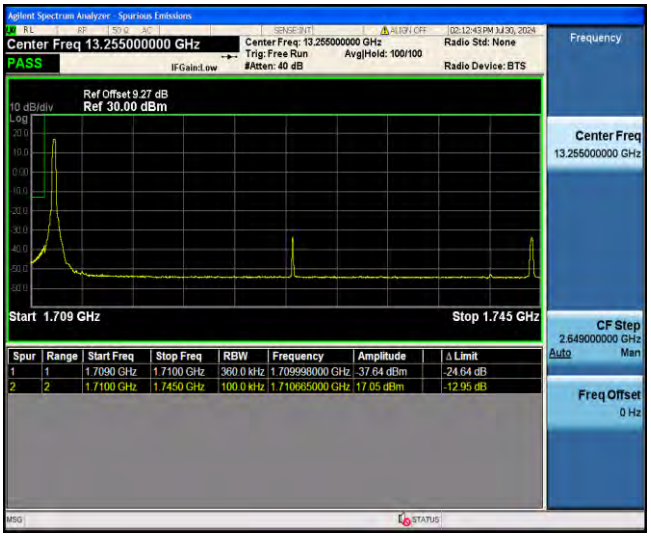


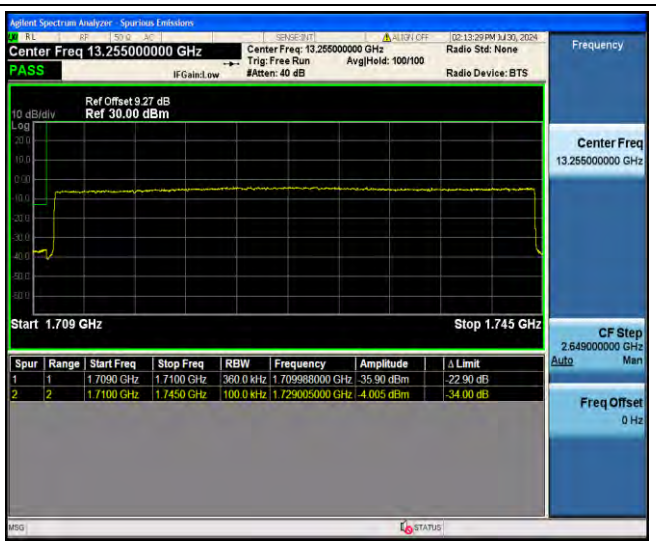
1-N66-PC3-15-35-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1710.00-22.40--35.40-PASS



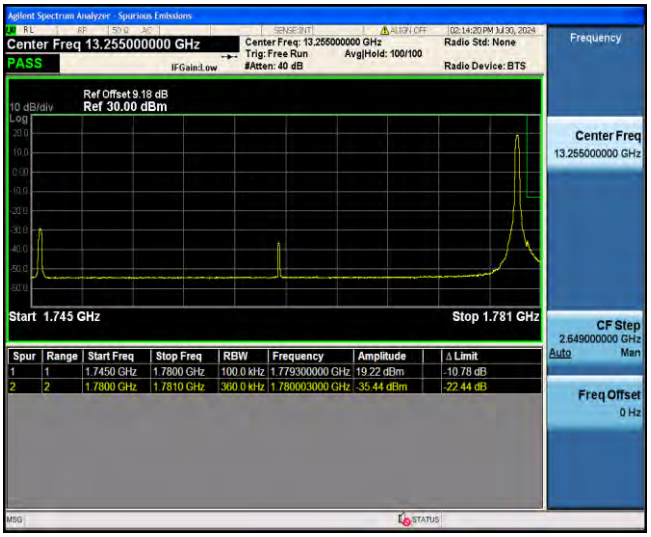
1-N66-PC3-15-35-L-3-DFT-PI2BPSK-Outer_Full-180@0-Ant1-1709.99-25.20--38.20-PASS



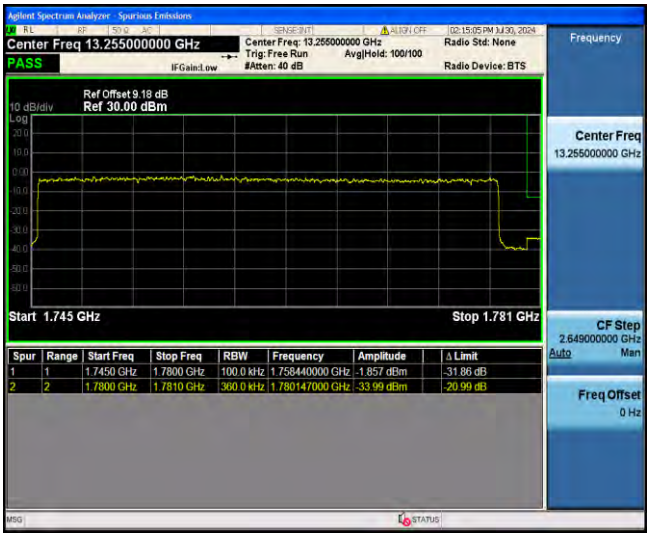
1-N66-PC3-15-35-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1710.00-24.64--37.64-PASS



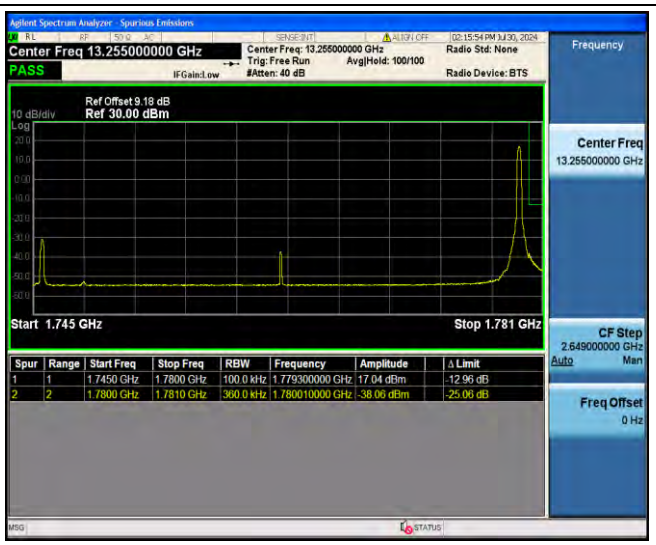
1-N66-PC3-15-35-L-6-CP-QPSK-Outer_Full-188@0-Ant1-1709.99-22.90--35.90-PASS



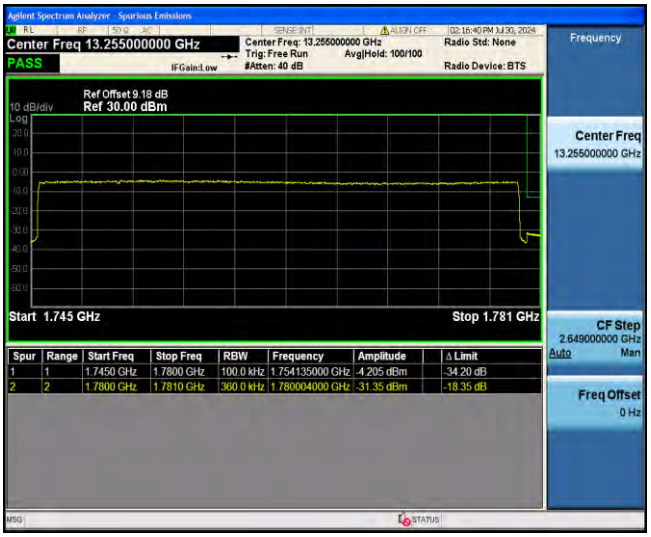
1-N66-PC3-15-35-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@187-Ant1-1780.00-22.44--35.44-PASS



1-N66-PC3-15-35-H-3-DFT-PI2BPSK-Outer_Full-180@0-Ant1-1780.15-20.99--33.99-PASS



1-N66-PC3-15-35-H-5-CP-QPSK-Edge_1RB_Right-1@187-Ant1-1780.01-25.06--38.06-PASS



1-N66-PC3-15-35-H-6-CP-QPSK-Outer_Full-188@0-Ant1-1780.00-18.35--31.35-PASS

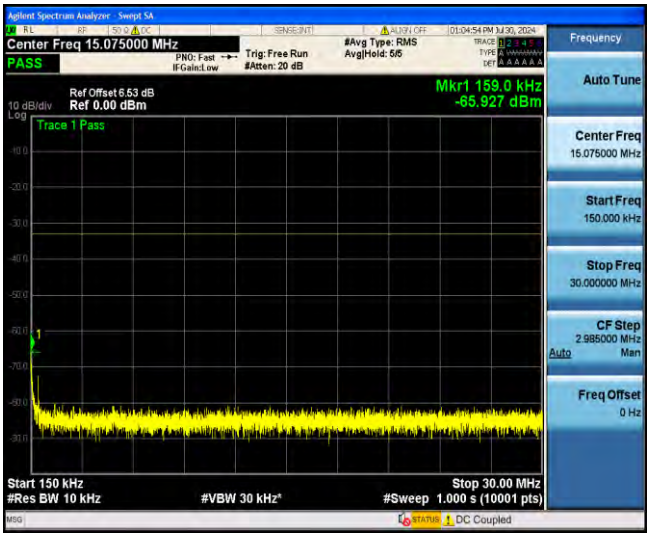
Conducted Spurious Emission for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	StartFreq	StopFreq	RB Config	Result	Limit	Verdict
N66	15	40	DFT-PI2BPSK	L	0.009	0.15	1@1	-65.55	-43	PASS
N66	15	40	DFT-PI2BPSK	L	0.15	30	1@1	-65.93	-33	PASS
N66	15	40	DFT-PI2BPSK	L	30	1000	1@1	-53.33	-23	PASS
N66	15	40	DFT-PI2BPSK	L	1000	3000	1@1	-39.06	-13	PASS
N66	15	40	DFT-PI2BPSK	L	3000	12000	1@1	-42.46	-13	PASS
N66	15	40	DFT-PI2BPSK	L	12000	20000	1@1	-43.76	-13	PASS
N66	15	40	DFT-PI2BPSK	M	0.009	0.15	1@1	-65.94	-43	PASS
N66	15	40	DFT-PI2BPSK	M	0.15	30	1@1	-63.16	-33	PASS
N66	15	40	DFT-PI2BPSK	M	30	1000	1@1	-53.56	-23	PASS
N66	15	40	DFT-PI2BPSK	M	1000	3000	1@1	-39.76	-13	PASS
N66	15	40	DFT-PI2BPSK	M	3000	12000	1@1	-44.13	-13	PASS
N66	15	40	DFT-PI2BPSK	M	12000	20000	1@1	-43.62	-13	PASS
N66	15	40	DFT-PI2BPSK	H	0.009	0.15	1@1	-66.21	-43	PASS
N66	15	40	DFT-PI2BPSK	H	0.15	30	1@1	-65.32	-33	PASS
N66	15	40	DFT-PI2BPSK	H	30	1000	1@1	-53.56	-23	PASS
N66	15	40	DFT-PI2BPSK	H	1000	3000	1@1	-39.94	-13	PASS
N66	15	40	DFT-PI2BPSK	H	3000	12000	1@1	-41.45	-13	PASS
N66	15	40	DFT-PI2BPSK	H	12000	20000	1@1	-43.75	-13	PASS

Test Graphs

1-N66-PC3-15-40-L-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.01--65.55--43-PASS



1-N66-PC3-15-40-L-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-0.16--65.93--33-PASS

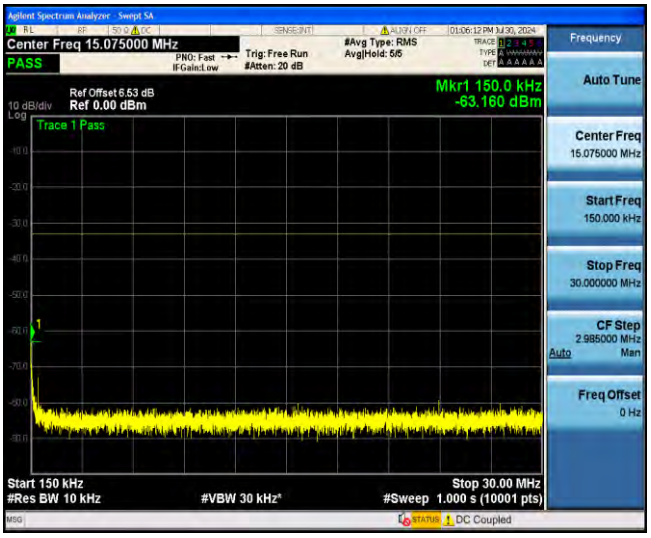
1-N66-PC3-15-40-L-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant1-840.34--53.33--23-PASS

1-N66-PC3-15-40-L-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-Ant1-1708.40--39.06--13-PASS

1-N66-PC3-15-40-L-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-12000-Ant1-3421.65--42.46--13-PASS

1-N66-PC3-15-40-L-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-20000-Ant1-18748.00--43.76--13-PASS

1-N66-PC3-15-40-M-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.01--65.94--43-PASS



1-N66-PC3-15-40-M-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-0.15--63.16--33-PASS

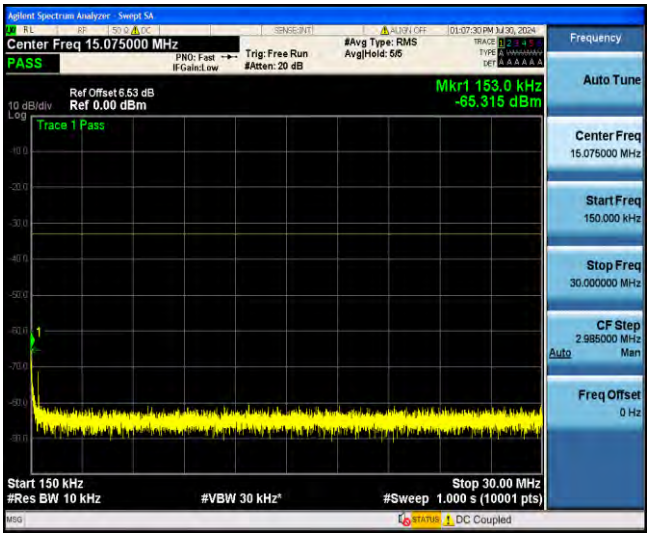
1-N66-PC3-15-40-M-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant1-908.04--53.56--23-PASS

1-N66-PC3-15-40-M-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-Ant1-2677.20--39.76--13-PASS

1-N66-PC3-15-40-M-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-12000-Ant1-3451.80--44.13--13-PASS

1-N66-PC3-15-40-M-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-20000-Ant1-18801.60--43.62--13-PASS

1-N66-PC3-15-40-H-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.01--66.21--43-PASS



1-N66-PC3-15-40-H-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-0.15--65.32--33-PASS

1-N66-PC3-15-40-H-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-30-1000-Ant1-852.37--53.56--23-PASS

1-N66-PC3-15-40-H-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-1000-3000-Ant1-2663.40--39.94--13-PASS

1-N66-PC3-15-40-H-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-12000-Ant1-3481.50--41.45--13-PASS

1-N66-PC3-15-40-H-1-NS_01-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-20000-Ant1-18746.80--43.75--13-PASS

Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage (Vdc)	Temperature(℃)	Deviation(Hz)	Deviation (ppm)	Verdict
N66	15	40	DFT-PI2BPSK	M	216@0	VN	NT	-2.90	0.00	PASS
N66	15	40	DFT-PI2BPSK	M	216@0	VL	NT	-7.10	0.00	PASS
N66	15	40	DFT-PI2BPSK	M	216@0	VH	NT	-6.40	0.00	PASS
N66	15	40	CP-QPSK	M	216@0	VN	NT	-5.70	0.00	PASS
N66	15	40	CP-QPSK	M	216@0	VL	NT	-6.30	0.00	PASS
N66	15	40	CP-QPSK	M	216@0	VH	NT	-3.60	0.00	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage (Vdc)	Temperature(℃)	Deviation(Hz)	Deviation (ppm)	Verdict
N66	15	40	DFT-PI2BPSK	M	216@0	NV	-20	-5.300000	-0.003037	PASS
N66	15	40	DFT-PI2BPSK	M	216@0	NV	50	-3.300000	-0.001891	PASS
N66	15	40	DFT-PI2BPSK	M	216@0	NV	40	-5.900000	-0.003381	PASS
N66	15	40	DFT-PI2BPSK	M	216@0	NV	10	-4.500000	-0.002579	PASS
N66	15	40	DFT-PI2BPSK	M	216@0	NV	-10	-3.200000	-0.001834	PASS
N66	15	40	DFT-PI2BPSK	M	216@0	NV	-30	-6.200000	-0.003553	PASS
N66	15	40	DFT-PI2BPSK	M	216@0	NV	30	-2.600000	-0.001490	PASS
N66	15	40	DFT-PI2BPSK	M	216@0	NV	0	-4.000000	-0.002292	PASS
N66	15	40	DFT-PI2BPSK	M	216@0	NV	20	-8.300000	-0.004756	PASS
N66	15	40	CP-QPSK	M	216@0	NV	0	-1.000000	-0.000573	PASS
N66	15	40	CP-QPSK	M	216@0	NV	10	1.900000	0.001089	PASS
N66	15	40	CP-QPSK	M	216@0	NV	-10	-4.700000	-0.002693	PASS
N66	15	40	CP-QPSK	M	216@0	NV	-20	-3.300000	-0.001891	PASS
N66	15	40	CP-QPSK	M	216@0	NV	50	-2.200000	-0.001261	PASS
N66	15	40	CP-QPSK	M	216@0	NV	30	-4.800000	-0.002751	PASS
N66	15	40	CP-QPSK	M	216@0	NV	-30	-1.600000	-0.000917	PASS
N66	15	40	CP-QPSK	M	216@0	NV	40	-5.900000	-0.003381	PASS
N66	15	40	CP-QPSK	M	216@0	NV	20	-6.000000	-0.003438	PASS

Field Strength of Spurious Radiation

SA Band 66 ANT11-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3424.0	-61.44	-13	-48.44	-66.06	3.36	7.98	Horizontal	Pass
5136.0	-63.22	-13	-50.22	-68.83	4.61	10.22	Horizontal	Pass
6848.0	-61.34	-13	-48.34	-67.38	4.9	10.94	Horizontal	Pass
3424.0	-62.64	-13	-49.64	-67.26	3.36	7.98	Vertical	Pass
5136.0	-62.98	-13	-49.98	-68.59	4.61	10.22	Vertical	Pass
6848.0	-61.69	-13	-48.69	-67.73	4.9	10.94	Vertical	Pass

SA Band 66 ANT11-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3454.0	-62.45	-13	-49.45	-67.13	3.38	8.06	Horizontal	Pass
5181.0	-62.91	-13	-49.91	-68.53	4.63	10.25	Horizontal	Pass
6908.0	-61.45	-13	-48.45	-67.55	4.91	11.01	Horizontal	Pass
3454.0	-59.46	-13	-46.46	-64.14	3.38	8.06	Vertical	Pass
5181.0	-62.82	-13	-49.82	-68.44	4.63	10.25	Vertical	Pass
6908.0	-61.62	-13	-48.62	-67.72	4.91	11.01	Vertical	Pass

SA Band 66 ANT11-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3484.0	-63.96	-13	-50.96	-68.7	3.39	8.13	Horizontal	Pass
5226.0	-62.86	-13	-49.86	-68.5	4.64	10.28	Horizontal	Pass
6968.0	-61.61	-13	-48.61	-67.79	4.91	11.09	Horizontal	Pass
3484.0	-63.54	-13	-50.54	-68.28	3.39	8.13	Vertical	Pass
5226.0	-62.88	-13	-49.88	-68.52	4.64	10.28	Vertical	Pass
6968.0	-61.77	-13	-48.77	-67.95	4.91	11.09	Vertical	Pass

NSA DC_2A_n66A-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3424.0	-66.57	-13	-53.57	-71.19	3.36	7.98	Horizontal	Pass
5136.0	-62.79	-13	-49.79	-68.4	4.61	10.22	Horizontal	Pass
6848.0	-61.54	-13	-48.54	-67.58	4.9	10.94	Horizontal	Pass
3424.0	-66.44	-13	-53.44	-71.06	3.36	7.98	Vertical	Pass
5136.0	-62.57	-13	-49.57	-68.18	4.61	10.22	Vertical	Pass
6848.0	-61.23	-13	-48.23	-67.27	4.9	10.94	Vertical	Pass

NSA DC_2A_n66A-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3454.0	-66.47	-13	-53.47	-71.15	3.38	8.06	Horizontal	Pass
5181.0	-62.96	-13	-49.96	-68.58	4.63	10.25	Horizontal	Pass
6908.0	-61.3	-13	-48.3	-67.4	4.91	11.01	Horizontal	Pass
3454.0	-66.65	-13	-53.65	-71.33	3.38	8.06	Vertical	Pass
5181.0	-63.07	-13	-50.07	-68.69	4.63	10.25	Vertical	Pass
6908.0	-61.09	-13	-48.09	-67.19	4.91	11.01	Vertical	Pass

NSA DC_2A_n66A-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3484.0	-67.22	-13	-54.22	-71.96	3.39	8.13	Horizontal	Pass
5226.0	-62.71	-13	-49.71	-68.35	4.64	10.28	Horizontal	Pass
6968.0	-61.69	-13	-48.69	-67.87	4.91	11.09	Horizontal	Pass
3484.0	-67.21	-13	-54.21	-71.95	3.39	8.13	Vertical	Pass
5226.0	-62.68	-13	-49.68	-68.32	4.64	10.28	Vertical	Pass
6968.0	-62.08	-13	-49.08	-68.26	4.91	11.09	Vertical	Pass

Remark:

1) The field strength is calculated by adding the S.G.Power, Antenna Gain & Cable Loss. The basic equation with a sample calculation is as follows:
   EIRP=S.G.Power+Antenna Gain-Cable Loss
   Over Limit=Limit-EIRP
2) All antennas of RSE are tested, and only the worst data is presented.

---End of Attachment---