

Transmitter Conducted Power Output for SA

Test Result

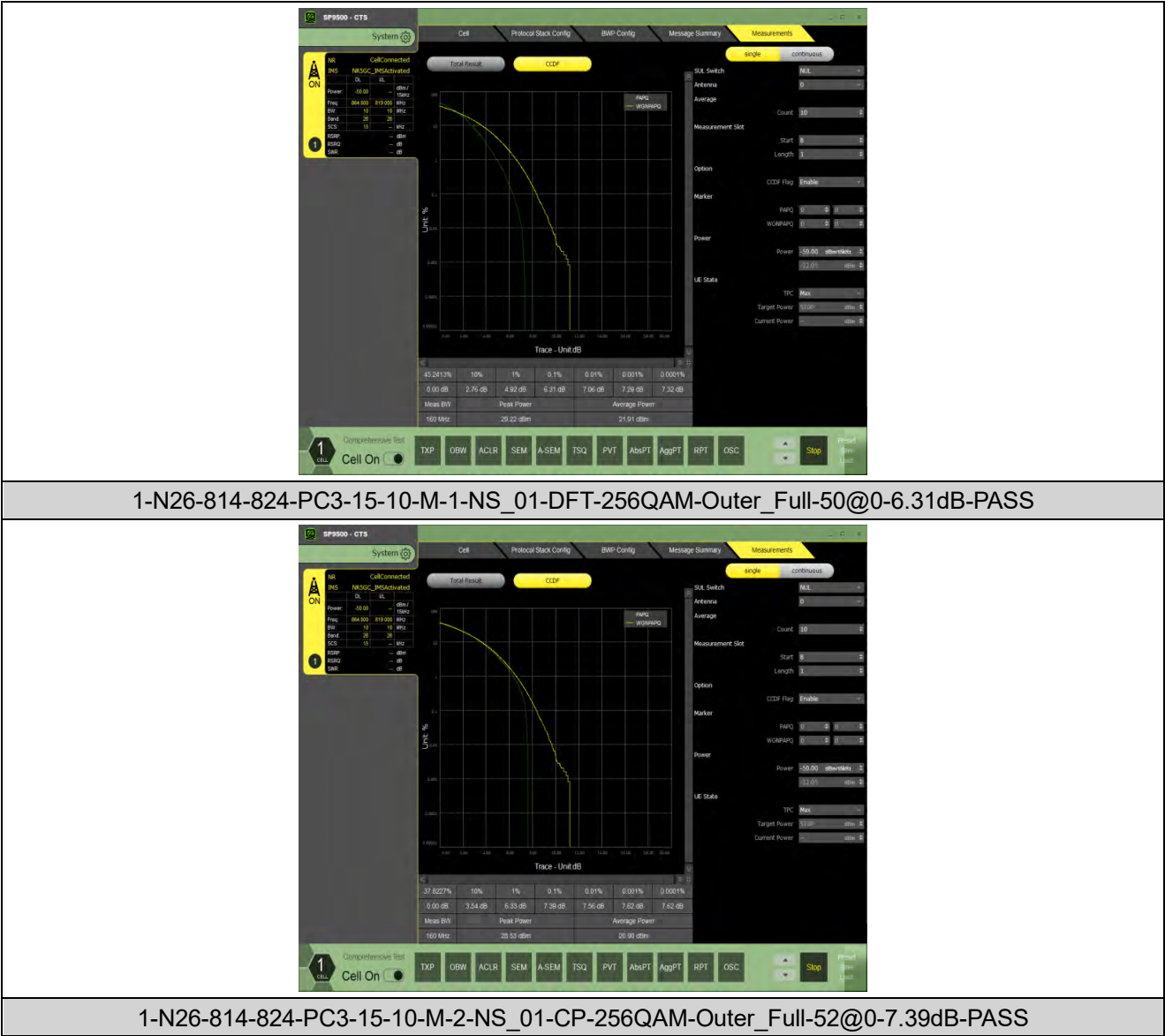
Ant1

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	Limit (dBm)	Verdict
N26-814-824	15	5	DFT-QPSK	L	1@1	24.32	50	PASS
N26-814-824	15	5	DFT-QPSK	L	1@23	24.25	50	PASS
N26-814-824	15	5	DFT-QPSK	L	25@0	23.35	50	PASS
N26-814-824	15	5	DFT-16QAM	L	1@1	23.50	50	PASS
N26-814-824	15	5	DFT-16QAM	L	1@23	23.37	50	PASS
N26-814-824	15	5	DFT-16QAM	L	25@0	22.41	50	PASS
N26-814-824	15	5	DFT-64QAM	L	1@1	21.96	50	PASS
N26-814-824	15	5	DFT-64QAM	L	1@23	21.91	50	PASS
N26-814-824	15	5	DFT-64QAM	L	25@0	21.92	50	PASS
N26-814-824	15	5	DFT-256QAM	L	1@1	21.64	50	PASS
N26-814-824	15	5	DFT-256QAM	L	1@23	21.78	50	PASS
N26-814-824	15	5	DFT-256QAM	L	25@0	21.96	50	PASS
N26-814-824	15	5	DFT-QPSK	M	1@1	24.28	50	PASS
N26-814-824	15	5	DFT-QPSK	M	1@23	24.21	50	PASS
N26-814-824	15	5	DFT-QPSK	M	25@0	23.31	50	PASS
N26-814-824	15	5	DFT-16QAM	M	1@1	23.43	50	PASS
N26-814-824	15	5	DFT-16QAM	M	1@23	23.43	50	PASS
N26-814-824	15	5	DFT-16QAM	M	25@0	22.36	50	PASS
N26-814-824	15	5	DFT-64QAM	M	1@1	21.91	50	PASS
N26-814-824	15	5	DFT-64QAM	M	1@23	21.79	50	PASS
N26-814-824	15	5	DFT-64QAM	M	25@0	21.84	50	PASS
N26-814-824	15	5	DFT-256QAM	M	1@1	21.56	50	PASS
N26-814-824	15	5	DFT-256QAM	M	1@23	21.67	50	PASS
N26-814-824	15	5	DFT-256QAM	M	25@0	21.90	50	PASS
N26-814-824	15	5	DFT-QPSK	H	1@1	24.23	50	PASS
N26-814-824	15	5	DFT-QPSK	H	1@23	24.21	50	PASS
N26-814-824	15	5	DFT-QPSK	H	25@0	23.33	50	PASS
N26-814-824	15	5	DFT-16QAM	H	1@1	23.32	50	PASS
N26-814-824	15	5	DFT-16QAM	H	1@23	23.31	50	PASS
N26-814-824	15	5	DFT-16QAM	H	25@0	22.33	50	PASS
N26-814-824	15	5	DFT-64QAM	H	1@1	21.81	50	PASS
N26-814-824	15	5	DFT-64QAM	H	1@23	21.85	50	PASS
N26-814-824	15	5	DFT-64QAM	H	25@0	21.83	50	PASS
N26-814-824	15	5	DFT-256QAM	H	1@1	21.69	50	PASS
N26-814-824	15	5	DFT-256QAM	H	1@23	21.70	50	PASS
N26-814-824	15	5	DFT-256QAM	H	25@0	21.87	50	PASS
N26-814-824	15	10	DFT-QPSK	M	1@1	24.45	50	PASS

N26-814-824	15	10	DFT-QPSK	M	1@50	24.32	50	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	23.39	50	PASS
N26-814-824	15	10	DFT-16QAM	M	1@1	23.55	50	PASS
N26-814-824	15	10	DFT-16QAM	M	1@50	23.43	50	PASS
N26-814-824	15	10	DFT-16QAM	M	50@0	22.44	50	PASS
N26-814-824	15	10	DFT-64QAM	M	1@1	22.07	50	PASS
N26-814-824	15	10	DFT-64QAM	M	1@50	21.92	50	PASS
N26-814-824	15	10	DFT-64QAM	M	50@0	21.88	50	PASS
N26-814-824	15	10	DFT-256QAM	M	1@1	21.91	50	PASS
N26-814-824	15	10	DFT-256QAM	M	1@50	21.80	50	PASS
N26-814-824	15	10	DFT-256QAM	M	50@0	21.91	50	PASS

Peak-to-Average Ratio for SA

Test Graphs

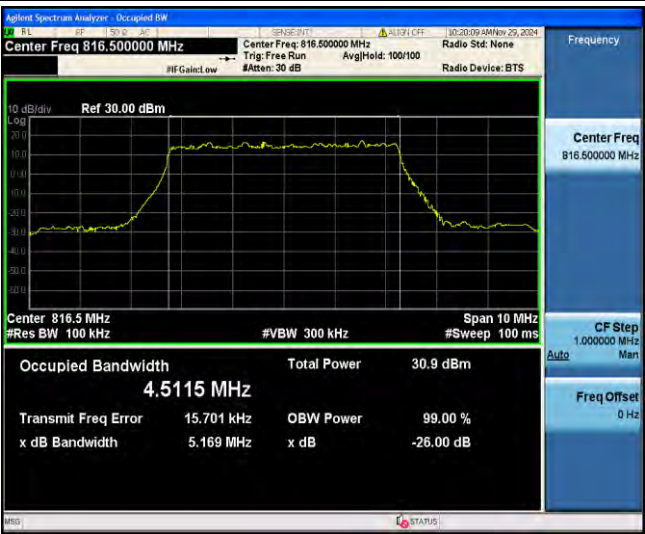


26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	99% Result (MHz)	26dB Result (MHz)	Verdict
N26-814-824	15	5	DFT-QPSK	L	25@0	4.5115	5.169	PASS
N26-814-824	15	5	DFT-16QAM	L	25@0	4.5038	5.190	PASS
N26-814-824	15	5	DFT-64QAM	L	25@0	4.5193	5.227	PASS
N26-814-824	15	5	DFT-256QAM	L	25@0	4.5100	5.196	PASS
N26-814-824	15	5	CP-QPSK	L	25@0	4.5088	5.214	PASS
N26-814-824	15	5	CP-16QAM	L	25@0	4.4950	5.165	PASS
N26-814-824	15	5	CP-64QAM	L	25@0	4.5107	5.237	PASS
N26-814-824	15	5	CP-256QAM	L	25@0	4.5019	5.231	PASS
N26-814-824	15	5	DFT-QPSK	M	25@0	4.4974	5.150	PASS
N26-814-824	15	5	DFT-16QAM	M	25@0	4.4863	5.058	PASS
N26-814-824	15	5	DFT-64QAM	M	25@0	4.4991	5.181	PASS
N26-814-824	15	5	DFT-256QAM	M	25@0	4.4992	5.179	PASS
N26-814-824	15	5	CP-QPSK	M	25@0	4.4991	5.260	PASS
N26-814-824	15	5	CP-16QAM	M	25@0	4.5135	5.167	PASS
N26-814-824	15	5	CP-64QAM	M	25@0	4.4984	5.280	PASS
N26-814-824	15	5	CP-256QAM	M	25@0	4.5052	5.248	PASS
N26-814-824	15	5	DFT-QPSK	H	25@0	4.5006	5.249	PASS
N26-814-824	15	5	DFT-16QAM	H	25@0	4.5140	5.177	PASS
N26-814-824	15	5	DFT-64QAM	H	25@0	4.5070	5.129	PASS
N26-814-824	15	5	DFT-256QAM	H	25@0	4.5181	5.217	PASS
N26-814-824	15	5	CP-QPSK	H	25@0	4.4984	5.275	PASS
N26-814-824	15	5	CP-16QAM	H	25@0	4.4996	5.177	PASS
N26-814-824	15	5	CP-64QAM	H	25@0	4.4957	5.241	PASS
N26-814-824	15	5	CP-256QAM	H	25@0	4.5041	5.311	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	8.9559	9.818	PASS
N26-814-824	15	10	DFT-16QAM	M	50@0	8.9792	9.748	PASS
N26-814-824	15	10	DFT-64QAM	M	50@0	8.9417	9.810	PASS
N26-814-824	15	10	DFT-256QAM	M	50@0	8.9408	9.741	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	9.2802	10.22	PASS
N26-814-824	15	10	CP-16QAM	M	52@0	9.2937	10.23	PASS
N26-814-824	15	10	CP-64QAM	M	52@0	9.3135	10.21	PASS
N26-814-824	15	10	CP-256QAM	M	52@0	9.3211	10.30	PASS

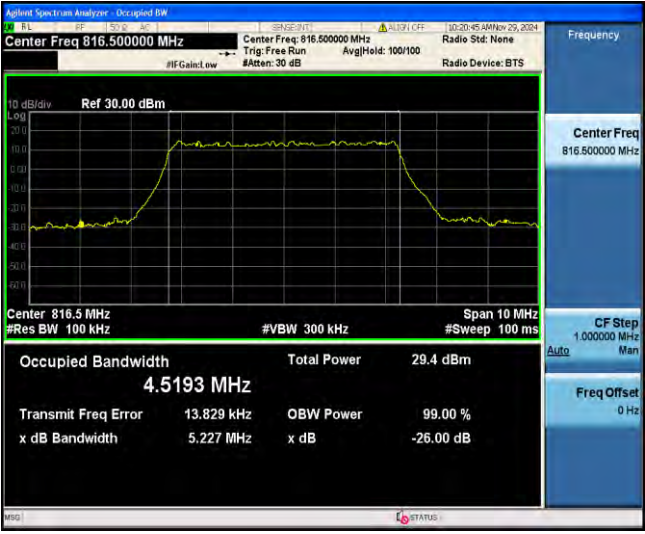
Test Graphs



1-N26-814-824-PC3-15-5-L-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.5115-5.169-≤5-PASS



1-N26-814-824-PC3-15-5-L-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.5038-5.190-≤5-PASS



1-N26-814-824-PC3-15-5-L-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.5193-5.227-≤5-PASS



1-N26-814-824-PC3-15-5-L-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.5100-5.196-≤5-PASS



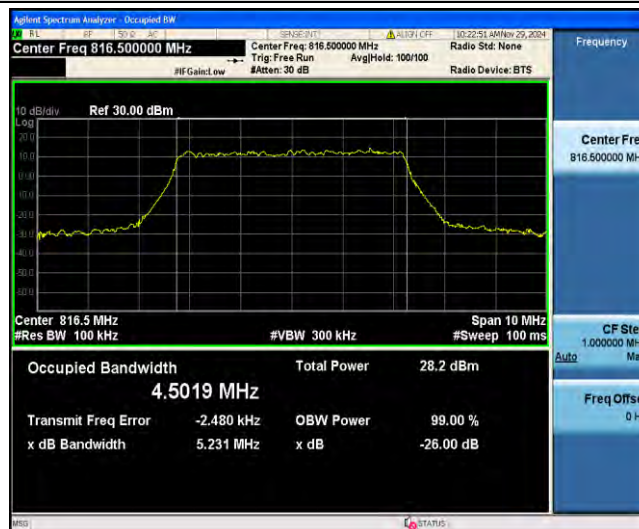
1-N26-814-824-PC3-15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant1-4.5088-5.214-≤5-PASS



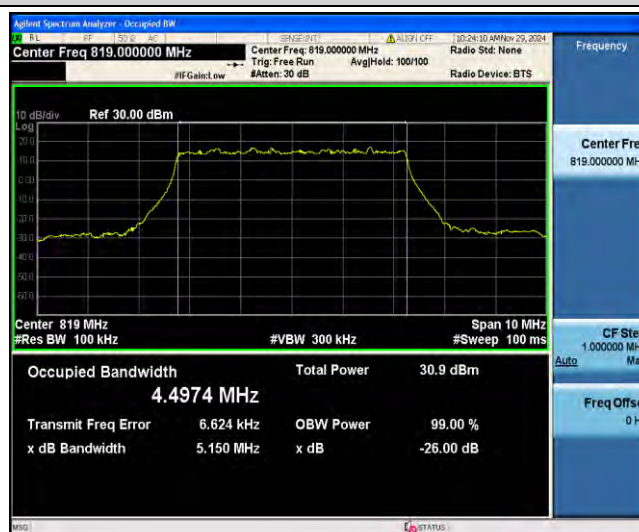
1-N26-814-824-PC3-15-5-L-7-CP-16QAM-Outer_Full-25@0-Ant1-4.4950-5.165-≤5-PASS



1-N26-814-824-PC3-15-5-L-8-CP-64QAM-Outer_Full-25@0-Ant1-4.5107-5.237-≤5-PASS



1-N26-814-824-PC3-15-5-L-9-CP-256QAM-Outer_Full-25@0-Ant1-4.5019-5.231-≤5-PASS



1-N26-814-824-PC3-15-5-M-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.4974-5.150-≤5-PASS



1-N26-814-824-PC3-15-5-M-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.4863-5.058-≤5-PASS



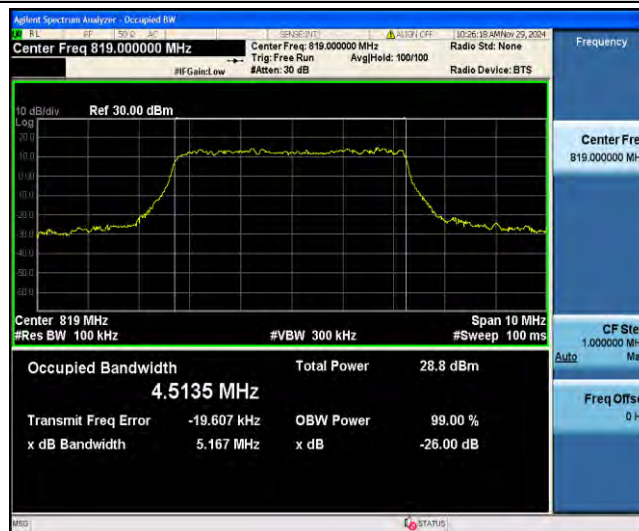
1-N26-814-824-PC3-15-5-M-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.4991-5.181-≤5-PASS



1-N26-814-824-PC3-15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.4992-5.179-≤5-PASS



1-N26-814-824-PC3-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant1-4.4991-5.260-≤5-PASS



1-N26-814-824-PC3-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant1-4.5135-5.167-≤5-PASS



1-N26-814-824-PC3-15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant1-4.4984-5.280-≤5-PASS



1-N26-814-824-PC3-15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant1-4.5052-5.248-≤5-PASS



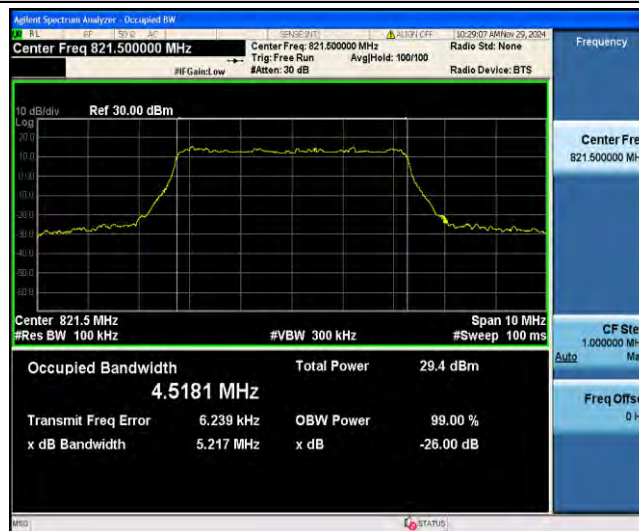
1-N26-814-824-PC3-15-5-H-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.5006-5.249-≤5-PASS



1-N26-814-824-PC3-15-5-H-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.5140-5.177-≤5-PASS



1-N26-814-824-PC3-15-5-H-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.5070-5.129-≤5-PASS



1-N26-814-824-PC3-15-5-H-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.5181-5.217-≤5-PASS



1-N26-814-824-PC3-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-4.4984-5.275-≤5-PASS



1-N26-814-824-PC3-15-5-H-7-CP-16QAM-Outer_Full-25@0-Ant1-4.4996-5.177-≤5-PASS



1-N26-814-824-PC3-15-5-H-8-CP-64QAM-Outer_Full-25@0-Ant1-4.4957-5.241-≤5-PASS



1-N26-814-824-PC3-15-5-H-9-CP-256QAM-Outer_Full-25@0-Ant1-4.5041-5.311-≤5-PASS



1-N26-814-824-PC3-15-10-M-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.9559-9.818-≤10-PASS



1-N26-814-824-PC3-15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.9792-9.748-≤10-PASS



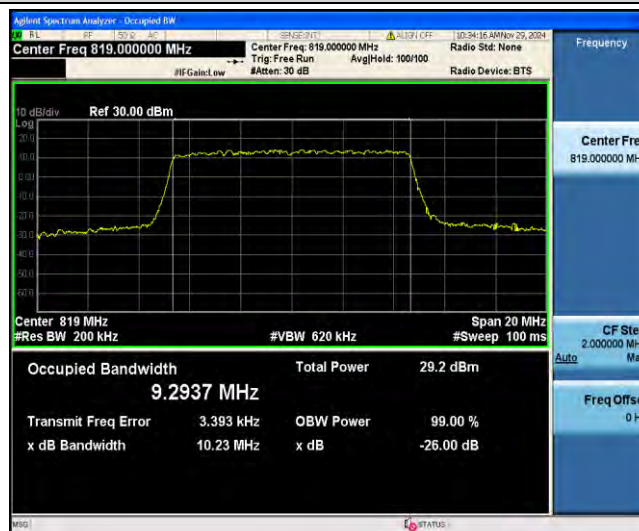
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1-N26-814-824-PC3-15-10-M-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.9408-9.741-≤10-PASS



1-N26-814-824-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant1-9.2802-10.22-≤10-PASS



1-N26-814-824-PC3-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant1-9.2937-10.23-≤10-PASS



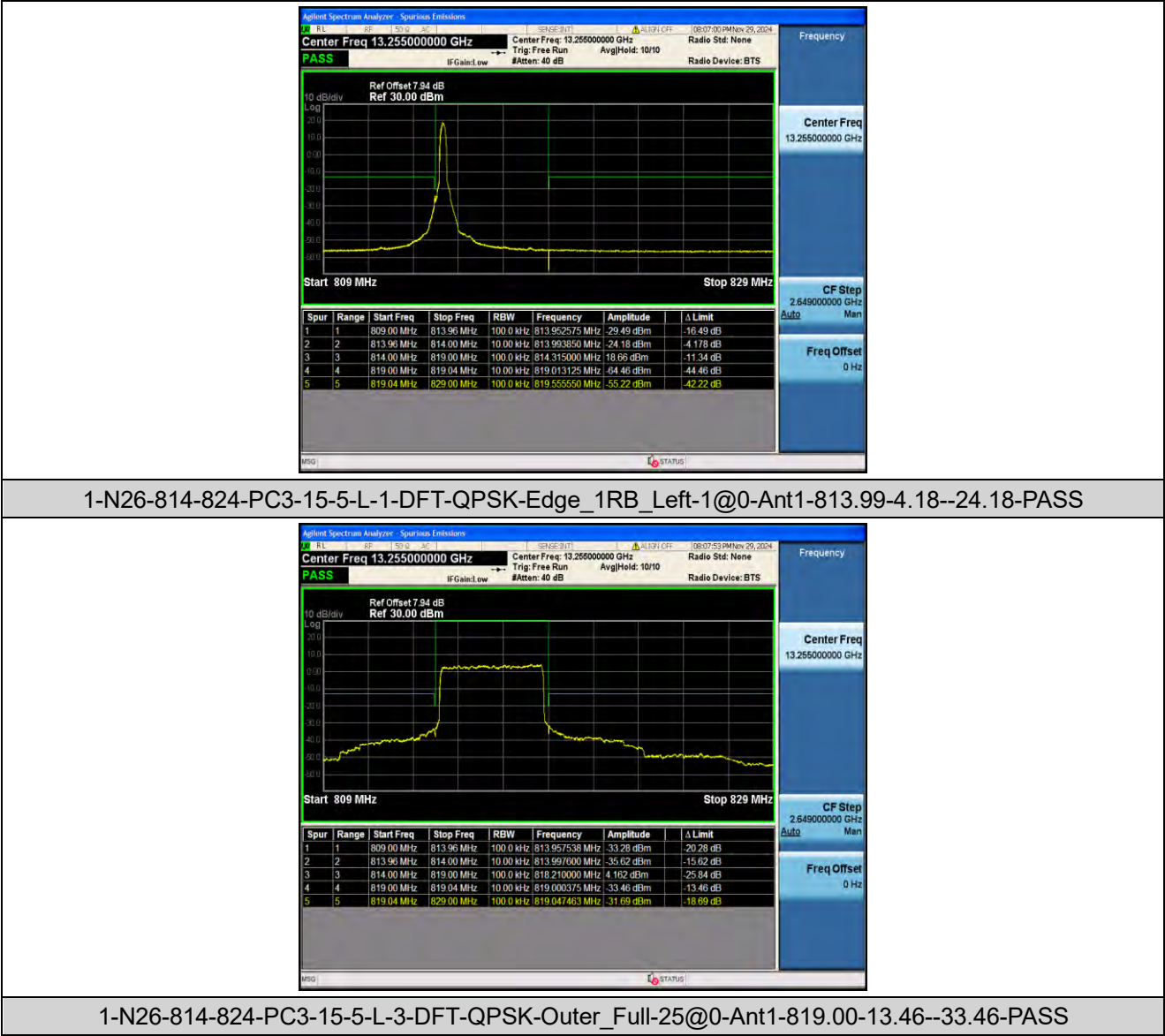
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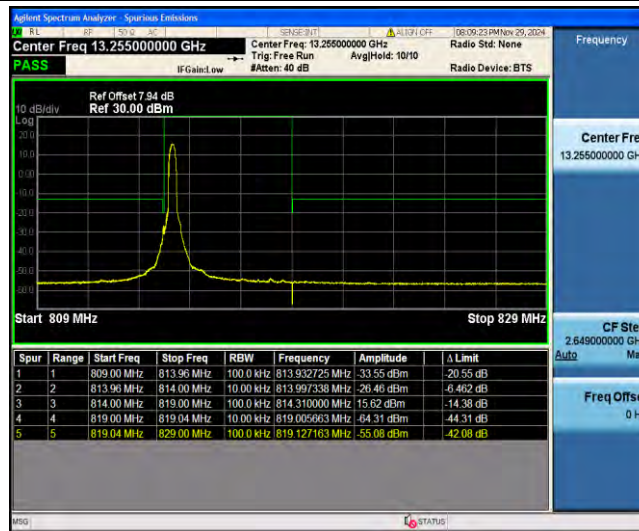


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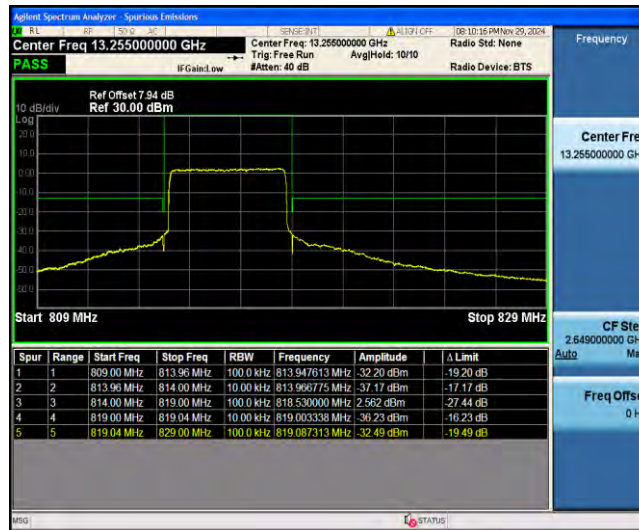
Band Edge for SA

Test Graphs

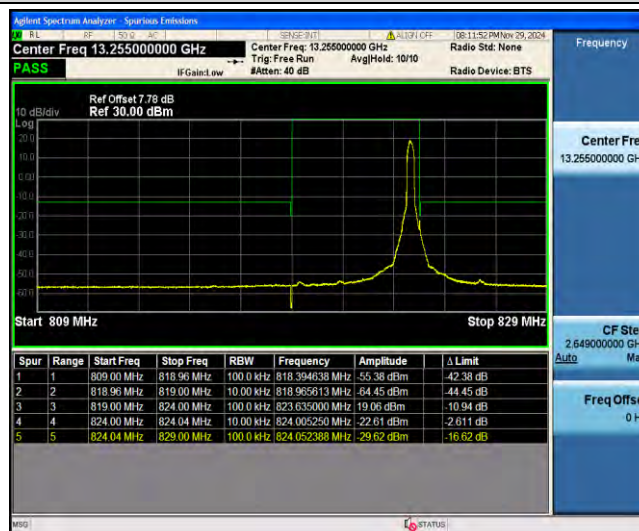




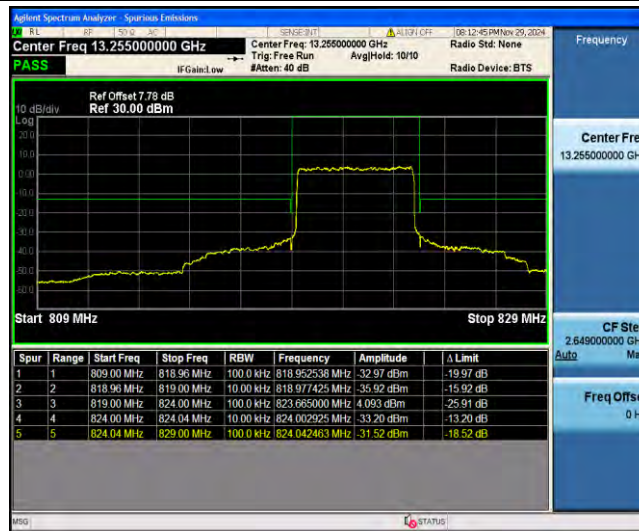
1-N26-814-824-PC3-15-5-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-814.00-6.46--26.46-PASS



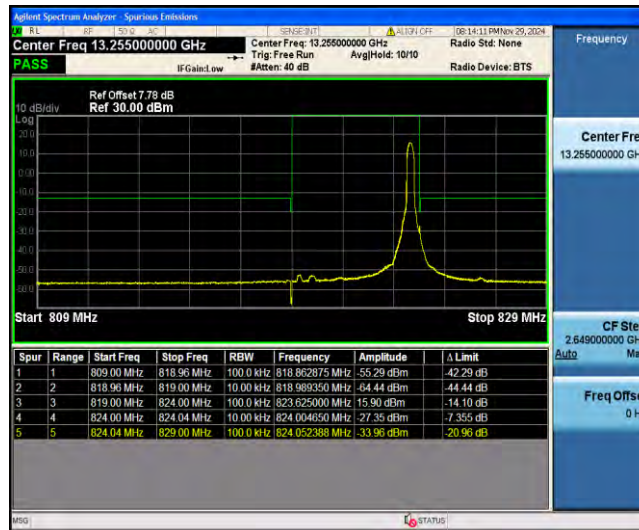
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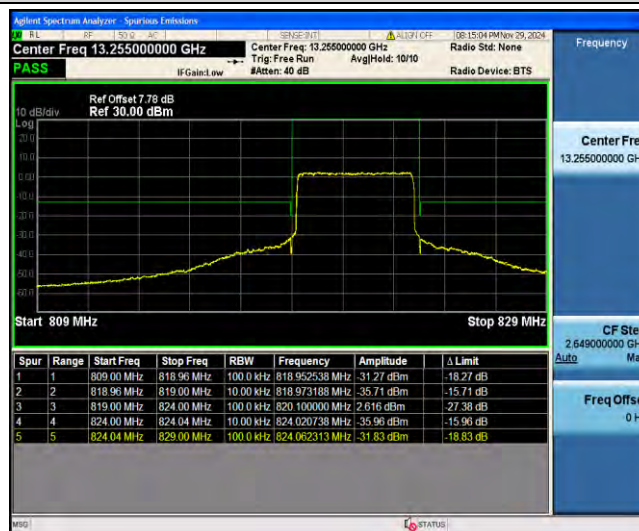
1-N26-814-824-PC3-15-5-H-2-DFT-QPSK-Edge_1RB_Right-1@24-Ant1-824.01-2.61--22.61-PASS



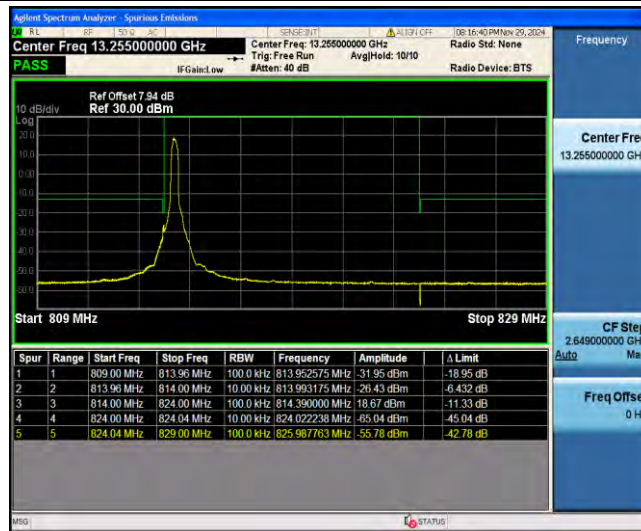
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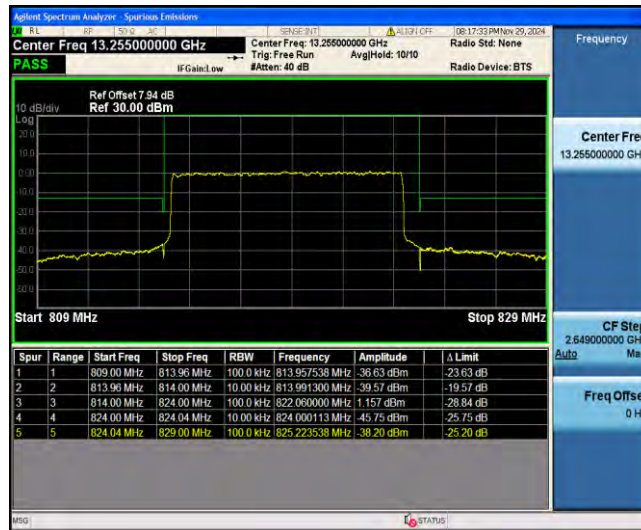
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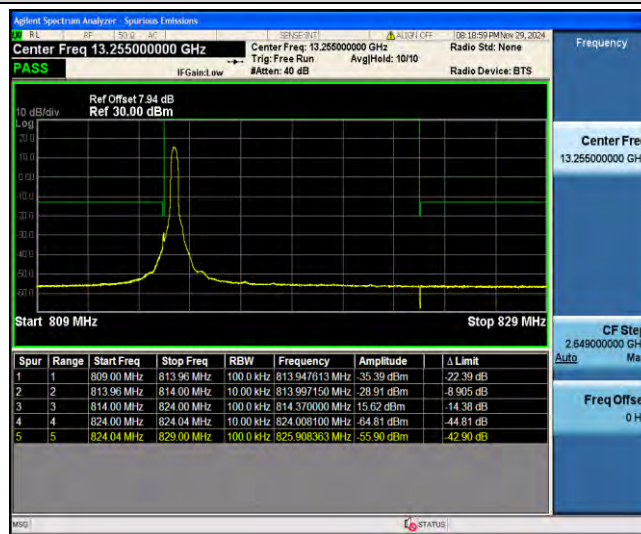
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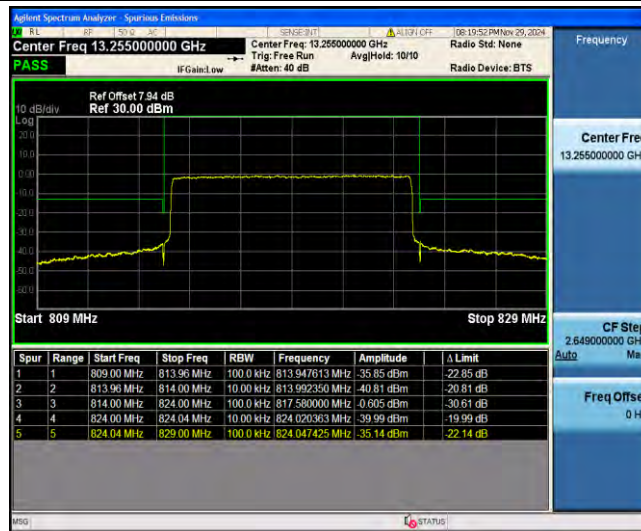
1-N26-814-824-PC3-15-10-L-1-DFT-QPSK-Edge_1RB_Left-1@0-Ant1-813.99-6.43--26.43-PASS



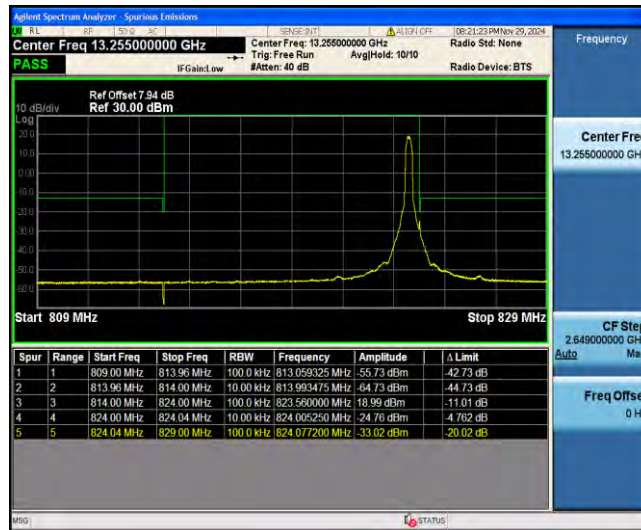
1-N26-814-824-PC3-15-10-L-3-DFT-QPSK-Outer_Full-50@0-Ant1-813.99-19.57--39.57-PASS



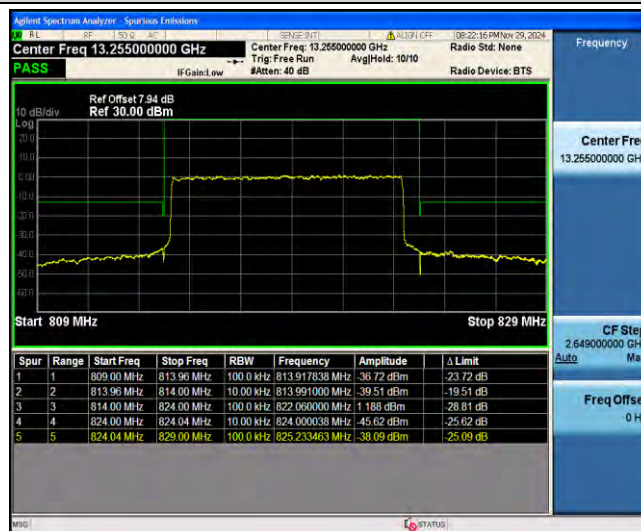
1-N26-814-824-PC3-15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-814.00-8.91--28.91-PASS



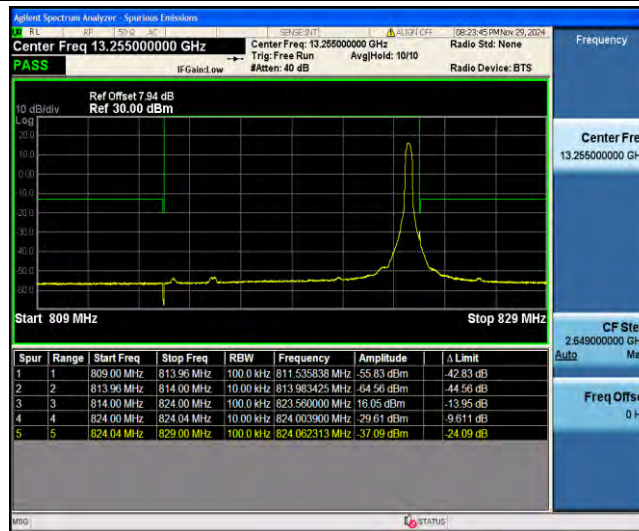
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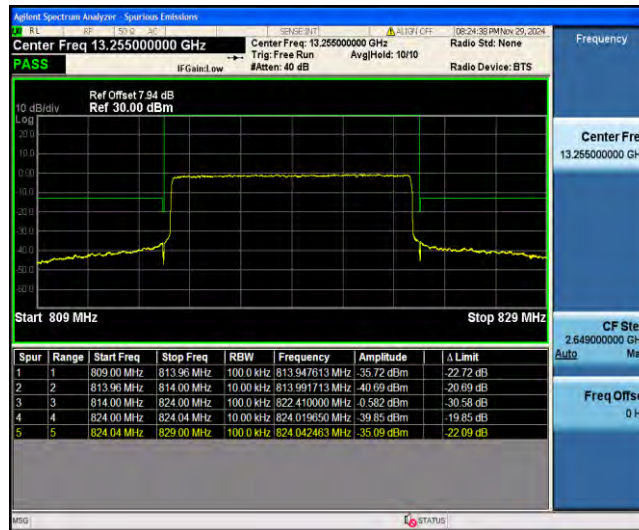
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1-N26-814-824-PC3-15-10-H-3-DFT-QPSK-Outer_Full-50@0-Ant1-813.99-19.51--39.51-PASS



1-N26-814-824-PC3-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-Ant1-824.00-9.61--29.61-PASS



1-N26-814-824-PC3-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-824.02-19.85--39.85-PASS

Conducted Spurious Emission for SA

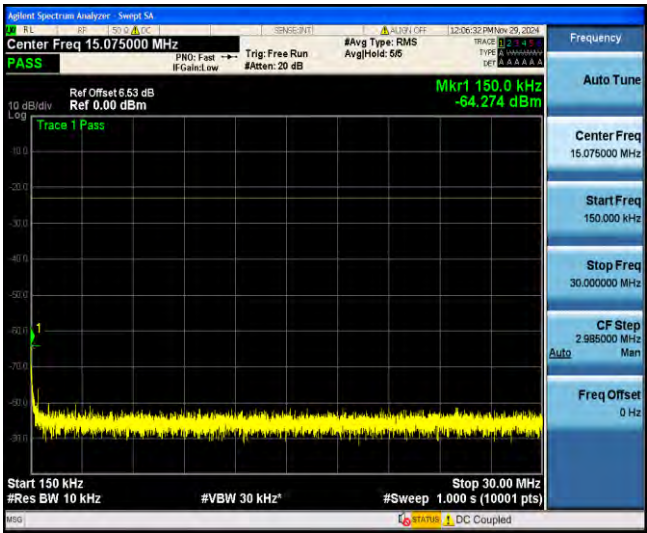
Test Result

Band	SCS	Bandwidth	Modulation	Channel	StartFreq	StopFreq	RB Config	Result (dBm)	Limit (dBm)	Verdict
N26-814-824	15	10	DFT-QPSK	M	0.009	0.15	1@0	-65.02	-33	PASS
N26-814-824	15	10	DFT-QPSK	M	0.15	30	1@0	-64.27	-23	PASS
N26-814-824	15	10	DFT-QPSK	M	30	1000	1@0	-54.85	-13	PASS
N26-814-824	15	10	DFT-QPSK	M	1000	3000	1@0	-38.94	-13	PASS
N26-814-824	15	10	DFT-QPSK	M	3000	12000	1@0	-47.01	-13	PASS
N26-814-824	15	10	DFT-QPSK	M	12000	20000	1@0	-44.13	-13	PASS

Test Graphs



1-N26-814-824-PC3-15-10-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-0.009-0.15-Ant1-0.01--65.02--33-P
ASS



1-N26-814-824-PC3-15-10-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0.15-30-Ant1-0.15--64.27--23-PAS
S



1-N26-814-824-PC3-15-10-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-30-1000-Ant1-855.66--54.85--13-P
ASS



1-N26-814-824-PC3-15-10-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-1000-3000-Ant1-2661.60--38.94--
13-PASS



1-N26-814-824-PC3-15-10-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-3000-12000-Ant1-5835.45--47.01-
-13-PASS



1-N26-814-824-PC3-15-10-M-1-NS_01-DFT-QPSK-Edge_1RB_Left-1@0-12000-20000-Ant1-18708.00--44.
13--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
N26-814-824	15	10	DFT-QPSK	M	50@0	NV	NT	-3.17	-0.00387	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	LV	NT	-2.70	-0.00330	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	HV	NT	-3.25	-0.00397	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	NV	NT	-1.77	-0.00216	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	LV	NT	-2.93	-0.00358	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	HV	NT	-2.81	-0.00343	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage (Vdc)	Temperature(℃)	Deviation(Hz)	Deviation (ppm)	Verdict
N26-814-824	15	10	DFT-QPSK	M	50@0	NV	20	-3.196000	-0.003902	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	NV	50	-3.340000	-0.004078	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	NV	40	-3.681000	-0.004495	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	NV	-10	-2.537000	-0.003098	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	NV	10	-5.310000	-0.006484	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	NV	30	-3.607000	-0.004404	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	NV	-30	-3.058000	-0.003734	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	NV	0	-2.658000	-0.003245	PASS
N26-814-824	15	10	DFT-QPSK	M	50@0	NV	-20	-4.991000	-0.006094	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	NV	0	-1.442000	-0.001761	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	NV	-10	-1.992000	-0.002432	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	NV	10	-2.585000	-0.003156	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	NV	20	-3.083000	-0.003764	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	NV	50	-3.178000	-0.003880	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	NV	-30	-2.667000	-0.003256	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	NV	30	-4.446000	-0.005429	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	NV	40	-3.405000	-0.004158	PASS
N26-814-824	15	10	CP-QPSK	M	52@0	NV	-20	-3.438000	-0.004198	PASS

Field Strength of Spurious Radiation

NR N26a(814-824MHz) ANT1-Middle channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#1								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1629.0	-57.32	-13	-44.32	-60.25	2.62	5.55	Horizontal	Pass
2443.5	-68.57	-13	-55.57	-71.21	3.04	5.68	Horizontal	Pass
3258.0	-66.8	-13	-53.8	-71.08	3.28	7.56	Horizontal	Pass
1629.0	-59.97	-13	-46.97	-62.9	2.62	5.55	Vertical	Pass
2443.5	-65.23	-13	-52.23	-67.87	3.04	5.68	Vertical	Pass
3258.0	-67.14	-13	-54.14	-71.42	3.28	7.56	Vertical	Pass