

CP-OFDM QPSK	1727.5	Edge_1RB_Left	22.03	/	/	20.23	/	/	<=30	Pass
		Edge_1RB_Right	22.01	/	/	20.21	/	/	<=30	Pass
		Outer_Full	22.29	/	/	20.49	/	/	<=30	Pass
		Inner_Full	23.73	/	/	21.93	/	/	<=30	Pass
		Inner_1RB_Left	23.61	/	/	21.81	/	/	<=30	Pass
		Inner_1RB_Right	23.58	/	/	21.78	/	/	<=30	Pass
	1745	Edge_1RB_Left	22.05	/	/	20.25	/	/	<=30	Pass
		Edge_1RB_Right	22.00	/	/	20.20	/	/	<=30	Pass
		Outer_Full	22.41	/	/	20.61	/	/	<=30	Pass
		Inner_Full	23.79	/	/	21.99	/	/	<=30	Pass
		Inner_1RB_Left	23.65	/	/	21.85	/	/	<=30	Pass
		Inner_1RB_Right	23.50	/	/	21.70	/	/	<=30	Pass
	1762.5	Edge_1RB_Left	21.93	/	/	20.13	/	/	<=30	Pass
		Edge_1RB_Right	21.87	/	/	20.07	/	/	<=30	Pass
		Outer_Full	22.29	/	/	20.49	/	/	<=30	Pass
		Inner_Full	23.65	/	/	21.85	/	/	<=30	Pass
		Inner_1RB_Left	23.53	/	/	21.73	/	/	<=30	Pass
		Inner_1RB_Right	23.35	/	/	21.55	/	/	<=30	Pass
CP-OFDM 16 QAM	1727.5	Edge_1RB_Left	22.42	/	/	20.62	/	/	<=30	Pass
		Edge_1RB_Right	22.38	/	/	20.58	/	/	<=30	Pass
		Outer_Full	22.38	/	/	20.58	/	/	<=30	Pass
		Inner_Full	23.37	/	/	21.57	/	/	<=30	Pass
		Inner_1RB_Left	23.48	/	/	21.68	/	/	<=30	Pass
		Inner_1RB_Right	23.45	/	/	21.65	/	/	<=30	Pass
	1745	Edge_1RB_Left	22.42	/	/	20.62	/	/	<=30	Pass
		Edge_1RB_Right	22.41	/	/	20.61	/	/	<=30	Pass
		Outer_Full	22.40	/	/	20.60	/	/	<=30	Pass
		Inner_Full	23.35	/	/	21.55	/	/	<=30	Pass
		Inner_1RB_Left	23.47	/	/	21.67	/	/	<=30	Pass
		Inner_1RB_Right	23.40	/	/	21.60	/	/	<=30	Pass
	1762.5	Edge_1RB_Left	22.30	/	/	20.50	/	/	<=30	Pass
		Edge_1RB_Right	22.25	/	/	20.45	/	/	<=30	Pass
		Outer_Full	22.26	/	/	20.46	/	/	<=30	Pass
		Inner_Full	23.28	/	/	21.48	/	/	<=30	Pass
		Inner_1RB_Left	23.42	/	/	21.62	/	/	<=30	Pass
		Inner_1RB_Right	23.26	/	/	21.46	/	/	<=30	Pass
CP-OFDM 64 QAM	1727.5	Edge_1RB_Left	21.90	/	/	20.10	/	/	<=30	Pass
		Edge_1RB_Right	21.89	/	/	20.09	/	/	<=30	Pass
		Outer_Full	21.85	/	/	20.05	/	/	<=30	Pass
		Inner_Full	21.94	/	/	20.14	/	/	<=30	Pass
		Inner_1RB_Left	21.93	/	/	20.13	/	/	<=30	Pass
		Inner_1RB_Right	21.89	/	/	20.09	/	/	<=30	Pass
	1745	Edge_1RB_Left	21.92	/	/	20.12	/	/	<=30	Pass
		Edge_1RB_Right	21.86	/	/	20.06	/	/	<=30	Pass
		Outer_Full	21.91	/	/	20.11	/	/	<=30	Pass
		Inner_Full	21.86	/	/	20.06	/	/	<=30	Pass
		Inner_1RB_Left	21.94	/	/	20.14	/	/	<=30	Pass
		Inner_1RB_Right	21.83	/	/	20.03	/	/	<=30	Pass
	1762.5	Edge_1RB_Left	21.80	/	/	20.00	/	/	<=30	Pass



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Report No.: SEWM2311000456RG02

Rev.: 01

Page: 57 of 982

CP-OFDM 256 QAM		Edge_1RB_Right	21.73	/	/	19.93	/	/	<=30	Pass
		Outer_Full	21.74	/	/	19.94	/	/	<=30	Pass
		Inner_Full	21.73	/	/	19.93	/	/	<=30	Pass
		Inner_1RB_Left	21.82	/	/	20.02	/	/	<=30	Pass
		Inner_1RB_Right	21.73	/	/	19.93	/	/	<=30	Pass
	1727.5	Edge_1RB_Left	19.05	/	/	17.25	/	/	<=30	Pass
		Edge_1RB_Right	19.00	/	/	17.20	/	/	<=30	Pass
		Outer_Full	18.84	/	/	17.04	/	/	<=30	Pass
		Inner_Full	18.92	/	/	17.12	/	/	<=30	Pass
		Inner_1RB_Left	19.07	/	/	17.27	/	/	<=30	Pass
		Inner_1RB_Right	18.94	/	/	17.14	/	/	<=30	Pass
	1745	Edge_1RB_Left	19.11	/	/	17.31	/	/	<=30	Pass
		Edge_1RB_Right	18.96	/	/	17.16	/	/	<=30	Pass
		Outer_Full	18.86	/	/	17.06	/	/	<=30	Pass
		Inner_Full	18.88	/	/	17.08	/	/	<=30	Pass
		Inner_1RB_Left	19.02	/	/	17.22	/	/	<=30	Pass
		Inner_1RB_Right	18.92	/	/	17.12	/	/	<=30	Pass
	1762.5	Edge_1RB_Left	18.83	/	/	17.03	/	/	<=30	Pass
		Edge_1RB_Right	18.88	/	/	17.08	/	/	<=30	Pass
		Outer_Full	18.69	/	/	16.89	/	/	<=30	Pass
		Inner_Full	18.75	/	/	16.95	/	/	<=30	Pass
		Inner_1RB_Left	18.89	/	/	17.09	/	/	<=30	Pass
		Inner_1RB_Right	18.76	/	/	16.96	/	/	<=30	Pass

Note1: Antenna Gain: Ant1: -1.80dBi;

Note2: EIRP=Conducted Power+Antenna Gain



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1.15 30k\_SISO\_40MHz\_NTNV\_EIRP

1.15.1 Test Result

5G NR n66 SCS=30kHz SISO 40MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1730	Edge_1RB_Left	24.93	/	/	23.13	/	/	<=30	Pass
		Edge_1RB_Right	24.87	/	/	23.07	/	/	<=30	Pass
		Outer_Full	25.02	/	/	23.22	/	/	<=30	Pass
		Inner_Full	25.42	/	/	23.62	/	/	<=30	Pass
		Inner_1RB_Left	25.45	/	/	23.65	/	/	<=30	Pass
		Inner_1RB_Right	25.34	/	/	23.54	/	/	<=30	Pass
	1745	Edge_1RB_Left	24.92	/	/	23.12	/	/	<=30	Pass
		Edge_1RB_Right	24.84	/	/	23.04	/	/	<=30	Pass
		Outer_Full	24.91	/	/	23.11	/	/	<=30	Pass
		Inner_Full	25.44	/	/	23.64	/	/	<=30	Pass
		Inner_1RB_Left	25.42	/	/	23.62	/	/	<=30	Pass
		Inner_1RB_Right	25.29	/	/	23.49	/	/	<=30	Pass
	1760	Edge_1RB_Left	24.94	/	/	23.14	/	/	<=30	Pass
		Edge_1RB_Right	24.70	/	/	22.90	/	/	<=30	Pass
		Outer_Full	24.90	/	/	23.10	/	/	<=30	Pass
		Inner_Full	25.42	/	/	23.62	/	/	<=30	Pass
		Inner_1RB_Left	25.43	/	/	23.63	/	/	<=30	Pass
		Inner_1RB_Right	25.25	/	/	23.45	/	/	<=30	Pass
DFT-s-OFDM QPSK	1730	Edge_1RB_Left	24.48	/	/	22.68	/	/	<=30	Pass
		Edge_1RB_Right	24.38	/	/	22.58	/	/	<=30	Pass
		Outer_Full	24.45	/	/	22.65	/	/	<=30	Pass
		Inner_Full	25.45	/	/	23.65	/	/	<=30	Pass
		Inner_1RB_Left	25.41	/	/	23.61	/	/	<=30	Pass
		Inner_1RB_Right	25.35	/	/	23.55	/	/	<=30	Pass
	1745	Edge_1RB_Left	24.54	/	/	22.74	/	/	<=30	Pass
		Edge_1RB_Right	24.43	/	/	22.63	/	/	<=30	Pass
		Outer_Full	24.42	/	/	22.62	/	/	<=30	Pass
		Inner_Full	25.47	/	/	23.67	/	/	<=30	Pass
		Inner_1RB_Left	25.42	/	/	23.62	/	/	<=30	Pass
		Inner_1RB_Right	25.40	/	/	23.60	/	/	<=30	Pass
	1760	Edge_1RB_Left	24.44	/	/	22.64	/	/	<=30	Pass
		Edge_1RB_Right	24.36	/	/	22.56	/	/	<=30	Pass
		Outer_Full	24.47	/	/	22.67	/	/	<=30	Pass
		Inner_Full	25.36	/	/	23.56	/	/	<=30	Pass
		Inner_1RB_Left	25.39	/	/	23.59	/	/	<=30	Pass
		Inner_1RB_Right	25.31	/	/	23.51	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	1730	Edge_1RB_Left	23.57	/	/	21.77	/	/	<=30	Pass
		Edge_1RB_Right	23.49	/	/	21.69	/	/	<=30	Pass
		Outer_Full	23.49	/	/	21.69	/	/	<=30	Pass
		Inner_Full	24.37	/	/	22.57	/	/	<=30	Pass
		Inner_1RB_Left	24.53	/	/	22.73	/	/	<=30	Pass



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	1745	Inner_1RB_Right	24.56	/	/	22.76	/	/	<=30	Pass	
		Edge_1RB_Left	23.56	/	/	21.76	/	/	<=30	Pass	
		Edge_1RB_Right	23.44	/	/	21.64	/	/	<=30	Pass	
		Outer_Full	23.43	/	/	21.63	/	/	<=30	Pass	
		Inner_Full	24.55	/	/	22.75	/	/	<=30	Pass	
		Inner_1RB_Left	24.51	/	/	22.71	/	/	<=30	Pass	
	1760	Inner_1RB_Right	24.52	/	/	22.72	/	/	<=30	Pass	
		Edge_1RB_Left	23.55	/	/	21.75	/	/	<=30	Pass	
		Edge_1RB_Right	23.51	/	/	21.71	/	/	<=30	Pass	
		Outer_Full	23.42	/	/	21.62	/	/	<=30	Pass	
		Inner_Full	24.46	/	/	22.66	/	/	<=30	Pass	
		Inner_1RB_Left	24.48	/	/	22.68	/	/	<=30	Pass	
	DFT-s-OFDM 64 QAM	1730	Inner_1RB_Right	24.40	/	/	22.60	/	/	<=30	Pass
			Edge_1RB_Left	23.14	/	/	21.34	/	/	<=30	Pass
Edge_1RB_Right			23.03	/	/	21.23	/	/	<=30	Pass	
Outer_Full			22.94	/	/	21.14	/	/	<=30	Pass	
Inner_Full			22.98	/	/	21.18	/	/	<=30	Pass	
Inner_1RB_Left			23.10	/	/	21.30	/	/	<=30	Pass	
1745		Inner_1RB_Right	23.01	/	/	21.21	/	/	<=30	Pass	
		Edge_1RB_Left	23.12	/	/	21.32	/	/	<=30	Pass	
		Edge_1RB_Right	23.04	/	/	21.24	/	/	<=30	Pass	
		Outer_Full	22.96	/	/	21.16	/	/	<=30	Pass	
		Inner_Full	22.98	/	/	21.18	/	/	<=30	Pass	
		Inner_1RB_Left	23.16	/	/	21.36	/	/	<=30	Pass	
1760		Inner_1RB_Right	23.08	/	/	21.28	/	/	<=30	Pass	
		Edge_1RB_Left	23.10	/	/	21.30	/	/	<=30	Pass	
	Edge_1RB_Right	23.02	/	/	21.22	/	/	<=30	Pass		
	Outer_Full	22.89	/	/	21.09	/	/	<=30	Pass		
	Inner_Full	22.92	/	/	21.12	/	/	<=30	Pass		
	Inner_1RB_Left	23.02	/	/	21.22	/	/	<=30	Pass		
DFT-s-OFDM 256 QAM	1730	Inner_1RB_Right	23.04	/	/	21.24	/	/	<=30	Pass	
		Edge_1RB_Left	20.99	/	/	19.19	/	/	<=30	Pass	
		Edge_1RB_Right	20.91	/	/	19.11	/	/	<=30	Pass	
		Outer_Full	20.92	/	/	19.12	/	/	<=30	Pass	
		Inner_Full	20.97	/	/	19.17	/	/	<=30	Pass	
		Inner_1RB_Left	20.99	/	/	19.19	/	/	<=30	Pass	
	1745	Inner_1RB_Right	20.92	/	/	19.12	/	/	<=30	Pass	
		Edge_1RB_Left	20.95	/	/	19.15	/	/	<=30	Pass	
		Edge_1RB_Right	20.86	/	/	19.06	/	/	<=30	Pass	
		Outer_Full	20.89	/	/	19.09	/	/	<=30	Pass	
		Inner_Full	20.92	/	/	19.12	/	/	<=30	Pass	
		Inner_1RB_Left	21.04	/	/	19.24	/	/	<=30	Pass	
	1760	Inner_1RB_Right	20.92	/	/	19.12	/	/	<=30	Pass	
		Edge_1RB_Left	21.01	/	/	19.21	/	/	<=30	Pass	
Edge_1RB_Right		20.81	/	/	19.01	/	/	<=30	Pass		
Outer_Full		20.89	/	/	19.09	/	/	<=30	Pass		
Inner_Full		20.91	/	/	19.11	/	/	<=30	Pass		
Inner_1RB_Left		20.95	/	/	19.15	/	/	<=30	Pass		
		Inner_1RB_Right	20.82	/	/	19.02	/	/	<=30	Pass	



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CP-OFDM QPSK	1730	Edge_1RB_Left	22.14	/	/	20.34	/	/	<=30	Pass
		Edge_1RB_Right	22.09	/	/	20.29	/	/	<=30	Pass
		Outer_Full	22.49	/	/	20.69	/	/	<=30	Pass
		Inner_Full	23.93	/	/	22.13	/	/	<=30	Pass
		Inner_1RB_Left	23.77	/	/	21.97	/	/	<=30	Pass
	Inner_1RB_Right	23.71	/	/	21.91	/	/	<=30	Pass	
	1745	Edge_1RB_Left	22.12	/	/	20.32	/	/	<=30	Pass
		Edge_1RB_Right	22.08	/	/	20.28	/	/	<=30	Pass
		Outer_Full	22.53	/	/	20.73	/	/	<=30	Pass
		Inner_Full	23.97	/	/	22.17	/	/	<=30	Pass
		Inner_1RB_Left	23.75	/	/	21.95	/	/	<=30	Pass
	Inner_1RB_Right	23.72	/	/	21.92	/	/	<=30	Pass	
	1760	Edge_1RB_Left	22.13	/	/	20.33	/	/	<=30	Pass
		Edge_1RB_Right	22.01	/	/	20.21	/	/	<=30	Pass
		Outer_Full	22.41	/	/	20.61	/	/	<=30	Pass
Inner_Full		23.82	/	/	22.02	/	/	<=30	Pass	
Inner_1RB_Left		23.74	/	/	21.94	/	/	<=30	Pass	
Inner_1RB_Right	23.54	/	/	21.74	/	/	<=30	Pass		
CP-OFDM 16 QAM	1730	Edge_1RB_Left	22.47	/	/	20.67	/	/	<=30	Pass
		Edge_1RB_Right	22.39	/	/	20.59	/	/	<=30	Pass
		Outer_Full	22.46	/	/	20.66	/	/	<=30	Pass
		Inner_Full	23.43	/	/	21.63	/	/	<=30	Pass
		Inner_1RB_Left	23.61	/	/	21.81	/	/	<=30	Pass
	Inner_1RB_Right	23.50	/	/	21.70	/	/	<=30	Pass	
	1745	Edge_1RB_Left	22.46	/	/	20.66	/	/	<=30	Pass
		Edge_1RB_Right	22.46	/	/	20.66	/	/	<=30	Pass
		Outer_Full	22.42	/	/	20.62	/	/	<=30	Pass
		Inner_Full	23.46	/	/	21.66	/	/	<=30	Pass
		Inner_1RB_Left	23.56	/	/	21.76	/	/	<=30	Pass
	Inner_1RB_Right	23.48	/	/	21.68	/	/	<=30	Pass	
	1760	Edge_1RB_Left	22.52	/	/	20.72	/	/	<=30	Pass
		Edge_1RB_Right	22.43	/	/	20.63	/	/	<=30	Pass
		Outer_Full	22.42	/	/	20.62	/	/	<=30	Pass
Inner_Full		23.36	/	/	21.56	/	/	<=30	Pass	
Inner_1RB_Left		23.58	/	/	21.78	/	/	<=30	Pass	
Inner_1RB_Right	23.39	/	/	21.59	/	/	<=30	Pass		
CP-OFDM 64 QAM	1730	Edge_1RB_Left	22.01	/	/	20.21	/	/	<=30	Pass
		Edge_1RB_Right	21.96	/	/	20.16	/	/	<=30	Pass
		Outer_Full	21.98	/	/	20.18	/	/	<=30	Pass
		Inner_Full	21.93	/	/	20.13	/	/	<=30	Pass
		Inner_1RB_Left	21.97	/	/	20.17	/	/	<=30	Pass
	Inner_1RB_Right	21.95	/	/	20.15	/	/	<=30	Pass	
	1745	Edge_1RB_Left	22.08	/	/	20.28	/	/	<=30	Pass
		Edge_1RB_Right	21.93	/	/	20.13	/	/	<=30	Pass
		Outer_Full	21.91	/	/	20.11	/	/	<=30	Pass
		Inner_Full	21.94	/	/	20.14	/	/	<=30	Pass
		Inner_1RB_Left	22.09	/	/	20.29	/	/	<=30	Pass
	Inner_1RB_Right	21.91	/	/	20.11	/	/	<=30	Pass	
	1760	Edge_1RB_Left	21.98	/	/	20.18	/	/	<=30	Pass



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Report No.: SEWM2311000456RG02

Rev.: 01

Page: 61 of 982

CP-OFDM 256 QAM		Edge_1RB_Right	21.91	/	/	20.11	/	/	<=30	Pass	
		Outer_Full	21.87	/	/	20.07	/	/	<=30	Pass	
		Inner_Full	21.91	/	/	20.11	/	/	<=30	Pass	
		Inner_1RB_Left	22.06	/	/	20.26	/	/	<=30	Pass	
		Inner_1RB_Right	21.90	/	/	20.10	/	/	<=30	Pass	
	1730	Edge_1RB_Left	19.08	/	/	17.28	/	/	<=30	Pass	
		Edge_1RB_Right	19.03	/	/	17.23	/	/	<=30	Pass	
		Outer_Full	18.95	/	/	17.15	/	/	<=30	Pass	
		Inner_Full	18.93	/	/	17.13	/	/	<=30	Pass	
		Inner_1RB_Left	19.10	/	/	17.30	/	/	<=30	Pass	
		Inner_1RB_Right	18.94	/	/	17.14	/	/	<=30	Pass	
		1745	Edge_1RB_Left	19.11	/	/	17.31	/	/	<=30	Pass
			Edge_1RB_Right	19.05	/	/	17.25	/	/	<=30	Pass
			Outer_Full	18.93	/	/	17.13	/	/	<=30	Pass
			Inner_Full	18.93	/	/	17.13	/	/	<=30	Pass
			Inner_1RB_Left	19.17	/	/	17.37	/	/	<=30	Pass
		1760	Inner_1RB_Right	19.04	/	/	17.24	/	/	<=30	Pass
	Edge_1RB_Left		19.12	/	/	17.32	/	/	<=30	Pass	
	Edge_1RB_Right		19.01	/	/	17.21	/	/	<=30	Pass	
	Outer_Full		18.89	/	/	17.09	/	/	<=30	Pass	
	Inner_Full		18.89	/	/	17.09	/	/	<=30	Pass	
	Inner_1RB_Left		19.11	/	/	17.31	/	/	<=30	Pass	
	Inner_1RB_Right		18.95	/	/	17.15	/	/	<=30	Pass	

Note1: Antenna Gain: Ant1: -1.80dBi;

Note2: EIRP=Conducted Power+Antenna Gain



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2. Frequency Stability

2.1 15k\_SISO\_5MHz

2.1.1 Test Result

5G NR n66 SCS=15kHz SISO 5MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	1745	Outer_Full	20	LV	1.80	0.0010	>=-2.5 & <=2.5	Pass
				HV	-5.90	-0.0034	>=-2.5 & <=2.5	Pass
			-30	NV	4.90	0.0028	>=-2.5 & <=2.5	Pass
			-20	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	3.60	0.0021	>=-2.5 & <=2.5	Pass
			0	NV	3.50	0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-5.30	-0.0030	>=-2.5 & <=2.5	Pass
			20	NV	-4.10	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			40	NV	2.80	0.0016	>=-2.5 & <=2.5	Pass
50	NV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM QPSK	1745	Outer_Full	20	LV	7.60	0.0044	>=-2.5 & <=2.5	Pass
				HV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	2.20	0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-1.20	-0.0007	>=-2.5 & <=2.5	Pass
			0	NV	-1.70	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			20	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	1.90	0.0011	>=-2.5 & <=2.5	Pass
			40	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
50	NV	2.30	0.0013	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 16 QAM	1745	Outer_Full	20	LV	3.30	0.0019	>=-2.5 & <=2.5	Pass
				HV	4.10	0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	3.60	0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	1.40	0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	4.70	0.0027	>=-2.5 & <=2.5	Pass
			0	NV	3.20	0.0018	>=-2.5 & <=2.5	Pass
			10	NV	5.40	0.0031	>=-2.5 & <=2.5	Pass
			20	NV	4.50	0.0026	>=-2.5 & <=2.5	Pass
			30	NV	1.40	0.0008	>=-2.5 & <=2.5	Pass
			40	NV	3.80	0.0022	>=-2.5 & <=2.5	Pass
50	NV	3.60	0.0021	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 64 QAM	1745	Outer_Full	20	LV	2.10	0.0012	>=-2.5 & <=2.5	Pass
				HV	3.80	0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	5.80	0.0033	>=-2.5 & <=2.5	Pass
			-20	NV	4.30	0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	5.10	0.0029	>=-2.5 & <=2.5	Pass
0	NV	2.90	0.0017	>=-2.5 & <=2.5	Pass			



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Table with 8 columns: Test Item, Modulation, Bandwidth, Frequency, Power, Error Rate, Margin, and Result. Rows include DFT-s-OFDM 256 QAM, CP-OFDM QPSK, CP-OFDM 16 QAM, and CP-OFDM 64 QAM.



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Report No.: SEWM2311000456RG02

Rev.: 01

Page: 64 of 982

CP-OFDM 256 QAM	1745	Outer_Full	20	LV	-2.80	-0.0016	>=-2.5 & <=2.5	Pass
				HV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-2.50	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	2.30	0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			20	NV	0.20	0.0001	>=-2.5 & <=2.5	Pass
			30	NV	3.60	0.0021	>=-2.5 & <=2.5	Pass
			40	NV	5.30	0.0030	>=-2.5 & <=2.5	Pass
			50	NV	3.50	0.0020	>=-2.5 & <=2.5	Pass



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2.2 15k\_SISO\_10MHz

2.2.1 Test Result

5G NR n66 SCS=15kHz SISO 10MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	1745	Outer_Full	20	LV	-0.50	-0.0003	>=-2.5 & <=2.5	Pass
				HV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	0.40	0.0002	>=-2.5 & <=2.5	Pass
			-20	NV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	2.20	0.0013	>=-2.5 & <=2.5	Pass
			0	NV	2.70	0.0015	>=-2.5 & <=2.5	Pass
			10	NV	3.00	0.0017	>=-2.5 & <=2.5	Pass
			20	NV	1.30	0.0007	>=-2.5 & <=2.5	Pass
			30	NV	1.60	0.0009	>=-2.5 & <=2.5	Pass
			40	NV	-4.90	-0.0028	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	1745	Outer_Full	20	LV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-3.40	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	2.90	0.0017	>=-2.5 & <=2.5	Pass
			0	NV	3.50	0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-3.20	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-3.50	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	2.20	0.0013	>=-2.5 & <=2.5	Pass
			40	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	1745	Outer_Full	20	LV	1.90	0.0011	>=-2.5 & <=2.5	Pass
				HV	3.00	0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	1.60	0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	1.30	0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-0.60	-0.0003	>=-2.5 & <=2.5	Pass
			20	NV	1.90	0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
			40	NV	0.70	0.0004	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	1745	Outer_Full	20	LV	1.80	0.0010	>=-2.5 & <=2.5	Pass
				HV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	3.20	0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-1.20	-0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	1.40	0.0008	>=-2.5 & <=2.5	Pass
			0	NV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
			10	NV	0.70	0.0004	>=-2.5 & <=2.5	Pass
			20	NV	1.50	0.0009	>=-2.5 & <=2.5	Pass



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Table with columns for Test Method, Modulation, Bandwidth, Frequency, Power, SNR, BER, and Result. Rows include DFT-s-OFDM 256 QAM, CP-OFDM QPSK, CP-OFDM 16 QAM, CP-OFDM 64 QAM, and CP-OFDM 256 QAM.



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Report No.: SEWM2311000456RG02

Rev.: 01

Page: 67 of 982

			-30	NV	-3.20	-0.0018	$\geq -2.5$ & $\leq 2.5$	Pass
			-20	NV	4.20	0.0024	$\geq -2.5$ & $\leq 2.5$	Pass
			-10	NV	1.50	0.0009	$\geq -2.5$ & $\leq 2.5$	Pass
			0	NV	1.00	0.0006	$\geq -2.5$ & $\leq 2.5$	Pass
			10	NV	1.50	0.0009	$\geq -2.5$ & $\leq 2.5$	Pass
			20	NV	2.20	0.0013	$\geq -2.5$ & $\leq 2.5$	Pass
			30	NV	2.10	0.0012	$\geq -2.5$ & $\leq 2.5$	Pass
			40	NV	0.90	0.0005	$\geq -2.5$ & $\leq 2.5$	Pass
			50	NV	3.30	0.0019	$\geq -2.5$ & $\leq 2.5$	Pass



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2.3 15k\_SISO\_15MHz

2.3.1 Test Result

5G NR n66 SCS=15kHz SISO 15MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	1745	Outer_Full	20	LV	1.60	0.0009	>=-2.5 & <=2.5	Pass
				HV	2.60	0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	2.20	0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-3.00	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-0.50	-0.0003	>=-2.5 & <=2.5	Pass
			0	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
			10	NV	3.20	0.0018	>=-2.5 & <=2.5	Pass
			20	NV	2.60	0.0015	>=-2.5 & <=2.5	Pass
			30	NV	5.90	0.0034	>=-2.5 & <=2.5	Pass
			40	NV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass
50	NV	-3.20	-0.0018	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM QPSK	1745	Outer_Full	20	LV	2.40	0.0014	>=-2.5 & <=2.5	Pass
				HV	3.80	0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	-1.10	-0.0006	>=-2.5 & <=2.5	Pass
			-10	NV	-3.90	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-3.00	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	2.10	0.0012	>=-2.5 & <=2.5	Pass
			30	NV	3.10	0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-1.00	-0.0006	>=-2.5 & <=2.5	Pass
50	NV	1.90	0.0011	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 16 QAM	1745	Outer_Full	20	LV	3.00	0.0017	>=-2.5 & <=2.5	Pass
				HV	1.70	0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	2.30	0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	3.70	0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	2.90	0.0017	>=-2.5 & <=2.5	Pass
			0	NV	3.20	0.0018	>=-2.5 & <=2.5	Pass
			10	NV	4.10	0.0023	>=-2.5 & <=2.5	Pass
			20	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			30	NV	1.60	0.0009	>=-2.5 & <=2.5	Pass
			40	NV	2.20	0.0013	>=-2.5 & <=2.5	Pass
50	NV	2.80	0.0016	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 64 QAM	1745	Outer_Full	20	LV	2.70	0.0015	>=-2.5 & <=2.5	Pass
				HV	1.50	0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	2.80	0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	1.10	0.0006	>=-2.5 & <=2.5	Pass
			-10	NV	3.70	0.0021	>=-2.5 & <=2.5	Pass
			0	NV	2.50	0.0014	>=-2.5 & <=2.5	Pass
			10	NV	2.10	0.0012	>=-2.5 & <=2.5	Pass
			20	NV	4.00	0.0023	>=-2.5 & <=2.5	Pass



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Table with columns for Modulation (e.g., DFT-s-OFDM 256 QAM, CP-OFDM QPSK, CP-OFDM 16 QAM, CP-OFDM 64 QAM, CP-OFDM 256 QAM), Bandwidth (1745), Modulation Type (Outer\_Full), Frequency (20, 30, 40, 50), Power Spectral Density (NV, LV, HV), Power Spectral Density (dBm/Hz), Error Rate, and Pass/Fail status.



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Report No.: SEWM2311000456RG02

Rev.: 01

Page: 70 of 982

			-30	NV	-0.40	-0.0002	>=-2.5 & <=2.5	Pass
			-20	NV	-2.60	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	1.40	0.0008	>=-2.5 & <=2.5	Pass
			10	NV	1.10	0.0006	>=-2.5 & <=2.5	Pass
			20	NV	-1.70	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	0.80	0.0005	>=-2.5 & <=2.5	Pass
			40	NV	0.40	0.0002	>=-2.5 & <=2.5	Pass
			50	NV	0.90	0.0005	>=-2.5 & <=2.5	Pass



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2.4 15k\_SISO\_20MHz

2.4.1 Test Result

5G NR n66 SCS=15kHz SISO 20MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	1745	Outer_Full	20	LV	3.70	0.0021	>=-2.5 & <=2.5	Pass
				HV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	-2.80	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	5.00	0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	-1.10	-0.0006	>=-2.5 & <=2.5	Pass
			0	NV	-4.00	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	0.90	0.0005	>=-2.5 & <=2.5	Pass
			30	NV	-2.30	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	3.00	0.0017	>=-2.5 & <=2.5	Pass
50	NV	1.00	0.0006	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM QPSK	1745	Outer_Full	20	LV	2.10	0.0012	>=-2.5 & <=2.5	Pass
				HV	2.20	0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-2.80	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	2.40	0.0014	>=-2.5 & <=2.5	Pass
			0	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-3.60	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	2.30	0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-2.70	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	2.40	0.0014	>=-2.5 & <=2.5	Pass
50	NV	-1.00	-0.0006	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 16 QAM	1745	Outer_Full	20	LV	1.90	0.0011	>=-2.5 & <=2.5	Pass
				HV	-1.20	-0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	2.10	0.0012	>=-2.5 & <=2.5	Pass
			10	NV	4.00	0.0023	>=-2.5 & <=2.5	Pass
			20	NV	3.60	0.0021	>=-2.5 & <=2.5	Pass
			30	NV	2.40	0.0014	>=-2.5 & <=2.5	Pass
			40	NV	1.40	0.0008	>=-2.5 & <=2.5	Pass
50	NV	3.50	0.0020	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 64 QAM	1745	Outer_Full	20	LV	3.30	0.0019	>=-2.5 & <=2.5	Pass
				HV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	5.60	0.0032	>=-2.5 & <=2.5	Pass
			-20	NV	2.90	0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	5.50	0.0032	>=-2.5 & <=2.5	Pass
			0	NV	4.70	0.0027	>=-2.5 & <=2.5	Pass
			10	NV	1.10	0.0006	>=-2.5 & <=2.5	Pass
			20	NV	3.00	0.0017	>=-2.5 & <=2.5	Pass



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Table with columns for Test Item, Modulation, Bandwidth, Frequency, Power, Error Rate, and Result. Rows include DFT-s-OFDM 256 QAM, CP-OFDM QPSK, CP-OFDM 16 QAM, CP-OFDM 64 QAM, and CP-OFDM 256 QAM.



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Report No.: SEWM2311000456RG02

Rev.: 01

Page: 73 of 982

			-30	NV	0.70	0.0004	$\geq -2.5$ & $\leq 2.5$	Pass
			-20	NV	-0.50	-0.0003	$\geq -2.5$ & $\leq 2.5$	Pass
			-10	NV	-1.50	-0.0009	$\geq -2.5$ & $\leq 2.5$	Pass
			0	NV	-1.00	-0.0006	$\geq -2.5$ & $\leq 2.5$	Pass
			10	NV	1.60	0.0009	$\geq -2.5$ & $\leq 2.5$	Pass
			20	NV	-1.10	-0.0006	$\geq -2.5$ & $\leq 2.5$	Pass
			30	NV	-4.30	-0.0025	$\geq -2.5$ & $\leq 2.5$	Pass
			40	NV	0.40	0.0002	$\geq -2.5$ & $\leq 2.5$	Pass
			50	NV	-0.70	-0.0004	$\geq -2.5$ & $\leq 2.5$	Pass



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2.5 15k\_SISO\_25MHz

2.5.1 Test Result

Table with 9 columns: Modulation, Frequency (MHz), RB Allocation, Temp. (°C), Volt., Freq. Error (Hz), Freq. vs. rated (ppm) (Result, Limit), and Verdict. It contains test data for 5G NR n66 SCS=15kHz SISO 25MHz across four modulation schemes: DFT-s-OFDM PI/2 BPSK, DFT-s-OFDM QPSK, DFT-s-OFDM 16 QAM, and DFT-s-OFDM 64 QAM.



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			30	NV	-0.40	-0.0002	$\geq -2.5$ & $\leq 2.5$	Pass			
			40	NV	1.40	0.0008	$\geq -2.5$ & $\leq 2.5$	Pass			
			50	NV	-1.10	-0.0006	$\geq -2.5$ & $\leq 2.5$	Pass			
DFT-s-OFDM 256 QAM	1745	Outer_Full	20	LV	2.40	0.0014	$\geq -2.5$ & $\leq 2.5$	Pass			
				HV	3.70	0.0021	$\geq -2.5$ & $\leq 2.5$	Pass			
						-30	NV	2.70	0.0015	$\geq -2.5$ & $\leq 2.5$	Pass
						-20	NV	1.70	0.0010	$\geq -2.5$ & $\leq 2.5$	Pass
						-10	NV	1.80	0.0010	$\geq -2.5$ & $\leq 2.5$	Pass
						0	NV	1.80	0.0010	$\geq -2.5$ & $\leq 2.5$	Pass
						10	NV	0.90	0.0005	$\geq -2.5$ & $\leq 2.5$	Pass
						20	NV	2.00	0.0011	$\geq -2.5$ & $\leq 2.5$	Pass
						30	NV	2.80	0.0016	$\geq -2.5$ & $\leq 2.5$	Pass
						40	NV	1.60	0.0009	$\geq -2.5$ & $\leq 2.5$	Pass
						50	NV	3.30	0.0019	$\geq -2.5$ & $\leq 2.5$	Pass
			CP-OFDM QPSK	1745	Outer_Full	20	LV	3.50	0.0020	$\geq -2.5$ & $\leq 2.5$	Pass
							HV	4.20	0.0024	$\geq -2.5$ & $\leq 2.5$	Pass
						-30	NV	1.40	0.0008	$\geq -2.5$ & $\leq 2.5$	Pass
						-20	NV	-1.50	-0.0009	$\geq -2.5$ & $\leq 2.5$	Pass
						-10	NV	2.10	0.0012	$\geq -2.5$ & $\leq 2.5$	Pass
						0	NV	2.40	0.0014	$\geq -2.5$ & $\leq 2.5$	Pass
						10	NV	3.30	0.0019	$\geq -2.5$ & $\leq 2.5$	Pass
						20	NV	2.20	0.0013	$\geq -2.5$ & $\leq 2.5$	Pass
						30	NV	-2.10	-0.0012	$\geq -2.5$ & $\leq 2.5$	Pass
						40	NV	-2.10	-0.0012	$\geq -2.5$ & $\leq 2.5$	Pass
						50	NV	-4.00	-0.0023	$\geq -2.5$ & $\leq 2.5$	Pass
CP-OFDM 16 QAM	1745	Outer_Full				20	LV	-2.40	-0.0014	$\geq -2.5$ & $\leq 2.5$	Pass
							HV	-3.20	-0.0018	$\geq -2.5$ & $\leq 2.5$	Pass
						-30	NV	-4.50	-0.0026	$\geq -2.5$ & $\leq 2.5$	Pass
						-20	NV	-2.20	-0.0013	$\geq -2.5$ & $\leq 2.5$	Pass
						-10	NV	-3.60	-0.0021	$\geq -2.5$ & $\leq 2.5$	Pass
						0	NV	-4.40	-0.0025	$\geq -2.5$ & $\leq 2.5$	Pass
						10	NV	-4.00	-0.0023	$\geq -2.5$ & $\leq 2.5$	Pass
						20	NV	-3.90	-0.0022	$\geq -2.5$ & $\leq 2.5$	Pass
						30	NV	-3.40	-0.0019	$\geq -2.5$ & $\leq 2.5$	Pass
						40	NV	-3.70	-0.0021	$\geq -2.5$ & $\leq 2.5$	Pass
						50	NV	-3.20	-0.0018	$\geq -2.5$ & $\leq 2.5$	Pass
			CP-OFDM 64 QAM	1745	Outer_Full	20	LV	-4.90	-0.0028	$\geq -2.5$ & $\leq 2.5$	Pass
							HV	-3.50	-0.0020	$\geq -2.5$ & $\leq 2.5$	Pass
						-30	NV	-4.10	-0.0023	$\geq -2.5$ & $\leq 2.5$	Pass
						-20	NV	-3.90	-0.0022	$\geq -2.5$ & $\leq 2.5$	Pass
						-10	NV	-3.50	-0.0020	$\geq -2.5$ & $\leq 2.5$	Pass
						0	NV	-4.60	-0.0026	$\geq -2.5$ & $\leq 2.5$	Pass
						10	NV	-3.30	-0.0019	$\geq -2.5$ & $\leq 2.5$	Pass
						20	NV	-4.00	-0.0023	$\geq -2.5$ & $\leq 2.5$	Pass
						30	NV	-6.80	-0.0039	$\geq -2.5$ & $\leq 2.5$	Pass
						40	NV	-4.10	-0.0023	$\geq -2.5$ & $\leq 2.5$	Pass
						50	NV	-4.60	-0.0026	$\geq -2.5$ & $\leq 2.5$	Pass
CP-OFDM 256 QAM	1745	Outer_Full				20	LV	-4.30	-0.0025	$\geq -2.5$ & $\leq 2.5$	Pass
							HV	-3.20	-0.0018	$\geq -2.5$ & $\leq 2.5$	Pass



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Report No.: SEWM2311000456RG02

Rev.: 01

Page: 76 of 982

			-30	NV	-2.80	-0.0016	$\geq -2.5$ & $\leq 2.5$	Pass
			-20	NV	-3.10	-0.0018	$\geq -2.5$ & $\leq 2.5$	Pass
			-10	NV	-3.70	-0.0021	$\geq -2.5$ & $\leq 2.5$	Pass
			0	NV	-3.50	-0.0020	$\geq -2.5$ & $\leq 2.5$	Pass
			10	NV	-1.90	-0.0011	$\geq -2.5$ & $\leq 2.5$	Pass
			20	NV	-2.90	-0.0017	$\geq -2.5$ & $\leq 2.5$	Pass
			30	NV	-2.60	-0.0015	$\geq -2.5$ & $\leq 2.5$	Pass
			40	NV	2.30	0.0013	$\geq -2.5$ & $\leq 2.5$	Pass
			50	NV	3.40	0.0019	$\geq -2.5$ & $\leq 2.5$	Pass



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2.6 15k\_SISO\_30MHz

2.6.1 Test Result

Table with 9 columns: Modulation, Frequency (MHz), RB Allocation, Temp. (°C), Volt., Freq. Error (Hz), Freq. vs. rated (ppm) (Result, Limit), and Verdict. It contains test data for 5G NR n66 SCS=15kHz SISO 30MHz across four modulation schemes: DFT-s-OFDM PI/2 BPSK, DFT-s-OFDM QPSK, DFT-s-OFDM 16 QAM, and DFT-s-OFDM 64 QAM.



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			30	NV	-1.70	-0.0010	$\geq -2.5$ & $\leq 2.5$	Pass			
			40	NV	-1.50	-0.0009	$\geq -2.5$ & $\leq 2.5$	Pass			
			50	NV	1.90	0.0011	$\geq -2.5$ & $\leq 2.5$	Pass			
DFT-s-OFDM 256 QAM	1745	Outer_Full	20	LV	-1.30	-0.0007	$\geq -2.5$ & $\leq 2.5$	Pass			
				HV	1.90	0.0011	$\geq -2.5$ & $\leq 2.5$	Pass			
						-30	NV	0.90	0.0005	$\geq -2.5$ & $\leq 2.5$	Pass
						-20	NV	-4.10	-0.0023	$\geq -2.5$ & $\leq 2.5$	Pass
						-10	NV	2.30	0.0013	$\geq -2.5$ & $\leq 2.5$	Pass
						0	NV	4.30	0.0025	$\geq -2.5$ & $\leq 2.5$	Pass
						10	NV	4.90	0.0028	$\geq -2.5$ & $\leq 2.5$	Pass
						20	NV	3.90	0.0022	$\geq -2.5$ & $\leq 2.5$	Pass
						30	NV	2.50	0.0014	$\geq -2.5$ & $\leq 2.5$	Pass
						40	NV	2.80	0.0016	$\geq -2.5$ & $\leq 2.5$	Pass
						50	NV	2.00	0.0011	$\geq -2.5$ & $\leq 2.5$	Pass
			CP-OFDM QPSK	1745	Outer_Full	20	LV	3.30	0.0019	$\geq -2.5$ & $\leq 2.5$	Pass
							HV	-1.20	-0.0007	$\geq -2.5$ & $\leq 2.5$	Pass
						-30	NV	1.20	0.0007	$\geq -2.5$ & $\leq 2.5$	Pass
						-20	NV	3.20	0.0018	$\geq -2.5$ & $\leq 2.5$	Pass
						-10	NV	2.70	0.0015	$\geq -2.5$ & $\leq 2.5$	Pass
						0	NV	4.10	0.0023	$\geq -2.5$ & $\leq 2.5$	Pass
						10	NV	2.80	0.0016	$\geq -2.5$ & $\leq 2.5$	Pass
						20	NV	1.80	0.0010	$\geq -2.5$ & $\leq 2.5$	Pass
						30	NV	1.60	0.0009	$\geq -2.5$ & $\leq 2.5$	Pass
						40	NV	2.90	0.0017	$\geq -2.5$ & $\leq 2.5$	Pass
						50	NV	-1.20	-0.0007	$\geq -2.5$ & $\leq 2.5$	Pass
CP-OFDM 16 QAM	1745	Outer_Full				20	LV	4.30	0.0025	$\geq -2.5$ & $\leq 2.5$	Pass
							HV	2.20	0.0013	$\geq -2.5$ & $\leq 2.5$	Pass
						-30	NV	2.90	0.0017	$\geq -2.5$ & $\leq 2.5$	Pass
						-20	NV	2.00	0.0011	$\geq -2.5$ & $\leq 2.5$	Pass
						-10	NV	0.70	0.0004	$\geq -2.5$ & $\leq 2.5$	Pass
						0	NV	5.70	0.0033	$\geq -2.5$ & $\leq 2.5$	Pass
						10	NV	1.00	0.0006	$\geq -2.5$ & $\leq 2.5$	Pass
						20	NV	2.40	0.0014	$\geq -2.5$ & $\leq 2.5$	Pass
						30	NV	-2.10	-0.0012	$\geq -2.5$ & $\leq 2.5$	Pass
						40	NV	4.20	0.0024	$\geq -2.5$ & $\leq 2.5$	Pass
						50	NV	2.80	0.0016	$\geq -2.5$ & $\leq 2.5$	Pass
			CP-OFDM 64 QAM	1745	Outer_Full	20	LV	2.90	0.0017	$\geq -2.5$ & $\leq 2.5$	Pass
							HV	3.30	0.0019	$\geq -2.5$ & $\leq 2.5$	Pass
						-30	NV	2.90	0.0017	$\geq -2.5$ & $\leq 2.5$	Pass
						-20	NV	2.80	0.0016	$\geq -2.5$ & $\leq 2.5$	Pass
						-10	NV	2.60	0.0015	$\geq -2.5$ & $\leq 2.5$	Pass
						0	NV	2.90	0.0017	$\geq -2.5$ & $\leq 2.5$	Pass
						10	NV	3.10	0.0018	$\geq -2.5$ & $\leq 2.5$	Pass
						20	NV	3.70	0.0021	$\geq -2.5$ & $\leq 2.5$	Pass
						30	NV	1.30	0.0007	$\geq -2.5$ & $\leq 2.5$	Pass
						40	NV	1.50	0.0009	$\geq -2.5$ & $\leq 2.5$	Pass
						50	NV	3.60	0.0021	$\geq -2.5$ & $\leq 2.5$	Pass
CP-OFDM 256 QAM	1745	Outer_Full				20	LV	-5.10	-0.0029	$\geq -2.5$ & $\leq 2.5$	Pass
							HV	-3.00	-0.0017	$\geq -2.5$ & $\leq 2.5$	Pass



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Report No.: SEWM2311000456RG02

Rev.: 01

Page: 79 of 982

			-30	NV	-4.90	-0.0028	$\geq -2.5$ & $\leq 2.5$	Pass
			-20	NV	-2.50	-0.0014	$\geq -2.5$ & $\leq 2.5$	Pass
			-10	NV	3.40	0.0019	$\geq -2.5$ & $\leq 2.5$	Pass
			0	NV	2.80	0.0016	$\geq -2.5$ & $\leq 2.5$	Pass
			10	NV	5.50	0.0032	$\geq -2.5$ & $\leq 2.5$	Pass
			20	NV	3.50	0.0020	$\geq -2.5$ & $\leq 2.5$	Pass
			30	NV	3.10	0.0018	$\geq -2.5$ & $\leq 2.5$	Pass
			40	NV	4.30	0.0025	$\geq -2.5$ & $\leq 2.5$	Pass
			50	NV	3.30	0.0019	$\geq -2.5$ & $\leq 2.5$	Pass



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2.7 15k\_SISO\_35MHz

2.7.1 Test Result

5G NR n66 SCS=15kHz SISO 35MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	1745	Outer_Full	20	LV	-4.20	-0.0024	>=-2.5 & <=2.5	Pass
				HV	-3.70	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-3.80	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-4.00	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	3.70	0.0021	>=-2.5 & <=2.5	Pass
			0	NV	3.50	0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
			20	NV	1.90	0.0011	>=-2.5 & <=2.5	Pass
			30	NV	1.20	0.0007	>=-2.5 & <=2.5	Pass
			40	NV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass
50	NV	-2.30	-0.0013	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM QPSK	1745	Outer_Full	20	LV	-3.70	-0.0021	>=-2.5 & <=2.5	Pass
				HV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	2.50	0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	4.30	0.0025	>=-2.5 & <=2.5	Pass
			0	NV	3.40	0.0019	>=-2.5 & <=2.5	Pass
			10	NV	4.60	0.0026	>=-2.5 & <=2.5	Pass
			20	NV	2.80	0.0016	>=-2.5 & <=2.5	Pass
			30	NV	5.30	0.0030	>=-2.5 & <=2.5	Pass
			40	NV	3.70	0.0021	>=-2.5 & <=2.5	Pass
50	NV	5.30	0.0030	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 16 QAM	1745	Outer_Full	20	LV	8.30	0.0048	>=-2.5 & <=2.5	Pass
				HV	4.90	0.0028	>=-2.5 & <=2.5	Pass
			-30	NV	5.00	0.0029	>=-2.5 & <=2.5	Pass
			-20	NV	3.80	0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	4.20	0.0024	>=-2.5 & <=2.5	Pass
			0	NV	4.10	0.0023	>=-2.5 & <=2.5	Pass
			10	NV	5.30	0.0030	>=-2.5 & <=2.5	Pass
			20	NV	4.20	0.0024	>=-2.5 & <=2.5	Pass
			30	NV	4.60	0.0026	>=-2.5 & <=2.5	Pass
			40	NV	4.10	0.0023	>=-2.5 & <=2.5	Pass
50	NV	5.50	0.0032	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 64 QAM	1745	Outer_Full	20	LV	2.10	0.0012	>=-2.5 & <=2.5	Pass
				HV	3.00	0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	1.70	0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	1.90	0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	1.40	0.0008	>=-2.5 & <=2.5	Pass
			10	NV	1.20	0.0007	>=-2.5 & <=2.5	Pass
			20	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass



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			30	NV	-2.10	-0.0012	$\geq -2.5$ & $\leq 2.5$	Pass			
			40	NV	1.80	0.0010	$\geq -2.5$ & $\leq 2.5$	Pass			
			50	NV	-1.60	-0.0009	$\geq -2.5$ & $\leq 2.5$	Pass			
DFT-s-OFDM 256 QAM	1745	Outer_Full	20	LV	5.00	0.0029	$\geq -2.5$ & $\leq 2.5$	Pass			
				HV	4.10	0.0023	$\geq -2.5$ & $\leq 2.5$	Pass			
						-30	NV	1.90	0.0011	$\geq -2.5$ & $\leq 2.5$	Pass
						-20	NV	1.80	0.0010	$\geq -2.5$ & $\leq 2.5$	Pass
						-10	NV	1.30	0.0007	$\geq -2.5$ & $\leq 2.5$	Pass
						0	NV	0.40	0.0002	$\geq -2.5$ & $\leq 2.5$	Pass
						10	NV	-1.60	-0.0009	$\geq -2.5$ & $\leq 2.5$	Pass
						20	NV	-1.90	-0.0011	$\geq -2.5$ & $\leq 2.5$	Pass
						30	NV	-3.00	-0.0017	$\geq -2.5$ & $\leq 2.5$	Pass
						40	NV	-0.10	-0.0001	$\geq -2.5$ & $\leq 2.5$	Pass
						50	NV	1.40	0.0008	$\geq -2.5$ & $\leq 2.5$	Pass
			CP-OFDM QPSK	1745	Outer_Full	20	LV	2.30	0.0013	$\geq -2.5$ & $\leq 2.5$	Pass
							HV	4.30	0.0025	$\geq -2.5$ & $\leq 2.5$	Pass
						-30	NV	3.40	0.0019	$\geq -2.5$ & $\leq 2.5$	Pass
						-20	NV	4.50	0.0026	$\geq -2.5$ & $\leq 2.5$	Pass
						-10	NV	2.90	0.0017	$\geq -2.5$ & $\leq 2.5$	Pass
						0	NV	4.00	0.0023	$\geq -2.5$ & $\leq 2.5$	Pass
						10	NV	2.70	0.0015	$\geq -2.5$ & $\leq 2.5$	Pass
						20	NV	5.10	0.0029	$\geq -2.5$ & $\leq 2.5$	Pass
						30	NV	4.00	0.0023	$\geq -2.5$ & $\leq 2.5$	Pass
						40	NV	4.70	0.0027	$\geq -2.5$ & $\leq 2.5$	Pass
						50	NV	3.30	0.0019	$\geq -2.5$ & $\leq 2.5$	Pass
CP-OFDM 16 QAM	1745	Outer_Full				20	LV	-2.30	-0.0013	$\geq -2.5$ & $\leq 2.5$	Pass
							HV	0.70	0.0004	$\geq -2.5$ & $\leq 2.5$	Pass
						-30	NV	1.00	0.0006	$\geq -2.5$ & $\leq 2.5$	Pass
						-20	NV	-2.70	-0.0015	$\geq -2.5$ & $\leq 2.5$	Pass
						-10	NV	1.70	0.0010	$\geq -2.5$ & $\leq 2.5$	Pass
						0	NV	-1.40	-0.0008	$\geq -2.5$ & $\leq 2.5$	Pass
						10	NV	-1.20	-0.0007	$\geq -2.5$ & $\leq 2.5$	Pass
						20	NV	-1.00	-0.0006	$\geq -2.5$ & $\leq 2.5$	Pass
						30	NV	-0.70	-0.0004	$\geq -2.5$ & $\leq 2.5$	Pass
						40	NV	-1.90	-0.0011	$\geq -2.5$ & $\leq 2.5$	Pass
						50	NV	-2.10	-0.0012	$\geq -2.5$ & $\leq 2.5$	Pass
			CP-OFDM 64 QAM	1745	Outer_Full	20	LV	-1.60	-0.0009	$\geq -2.5$ & $\leq 2.5$	Pass
							HV	1.60	0.0009	$\geq -2.5$ & $\leq 2.5$	Pass
						-30	NV	-2.50	-0.0014	$\geq -2.5$ & $\leq 2.5$	Pass
						-20	NV	-2.50	-0.0014	$\geq -2.5$ & $\leq 2.5$	Pass
						-10	NV	2.60	0.0015	$\geq -2.5$ & $\leq 2.5$	Pass
						0	NV	1.50	0.0009	$\geq -2.5$ & $\leq 2.5$	Pass
						10	NV	1.60	0.0009	$\geq -2.5$ & $\leq 2.5$	Pass
						20	NV	0.40	0.0002	$\geq -2.5$ & $\leq 2.5$	Pass
						30	NV	0.90	0.0005	$\geq -2.5$ & $\leq 2.5$	Pass
						40	NV	-0.70	-0.0004	$\geq -2.5$ & $\leq 2.5$	Pass
						50	NV	1.10	0.0006	$\geq -2.5$ & $\leq 2.5$	Pass
CP-OFDM 256 QAM	1745	Outer_Full				20	LV	-1.20	-0.0007	$\geq -2.5$ & $\leq 2.5$	Pass
							HV	-0.40	-0.0002	$\geq -2.5$ & $\leq 2.5$	Pass



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Report No.: SEWM2311000456RG02

Rev.: 01

Page: 82 of 982

			-30	NV	1.40	0.0008	>=-2.5 & <=2.5	Pass
			-20	NV	3.90	0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	3.60	0.0021	>=-2.5 & <=2.5	Pass
			0	NV	3.80	0.0022	>=-2.5 & <=2.5	Pass
			10	NV	5.10	0.0029	>=-2.5 & <=2.5	Pass
			20	NV	2.60	0.0015	>=-2.5 & <=2.5	Pass
			30	NV	2.70	0.0015	>=-2.5 & <=2.5	Pass
			40	NV	2.10	0.0012	>=-2.5 & <=2.5	Pass
			50	NV	2.20	0.0013	>=-2.5 & <=2.5	Pass



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2.8 15k\_SISO\_40MHz

2.8.1 Test Result

Table with 9 columns: Modulation, Frequency (MHz), RB Allocation, Temp. (°C), Volt., Freq. Error (Hz), Freq. vs. rated (ppm) (Result, Limit), and Verdict. It contains test data for three modulation types: DFT-s-OFDM PI/2 BPSK, DFT-s-OFDM QPSK, and DFT-s-OFDM 16 QAM, all at 1745 MHz and Outer\_Full RB allocation.



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			30	NV	-2.50	-0.0014	$\geq -2.5$ & $\leq 2.5$	Pass			
			40	NV	-4.20	-0.0024	$\geq -2.5$ & $\leq 2.5$	Pass			
			50	NV	1.40	0.0008	$\geq -2.5$ & $\leq 2.5$	Pass			
DFT-s-OFDM 256 QAM	1745	Outer_Full	20	LV	2.50	0.0014	$\geq -2.5$ & $\leq 2.5$	Pass			
				HV	4.00	0.0023	$\geq -2.5$ & $\leq 2.5$	Pass			
						-30	NV	3.70	0.0021	$\geq -2.5$ & $\leq 2.5$	Pass
						-20	NV	4.30	0.0025	$\geq -2.5$ & $\leq 2.5$	Pass
						-10	NV	3.50	0.0020	$\geq -2.5$ & $\leq 2.5$	Pass
						0	NV	2.10	0.0012	$\geq -2.5$ & $\leq 2.5$	Pass
						10	NV	4.30	0.0025	$\geq -2.5$ & $\leq 2.5$	Pass
						20	NV	4.50	0.0026	$\geq -2.5$ & $\leq 2.5$	Pass
						30	NV	2.90	0.0017	$\geq -2.5$ & $\leq 2.5$	Pass
						40	NV	4.00	0.0023	$\geq -2.5$ & $\leq 2.5$	Pass
						50	NV	1.70	0.0010	$\geq -2.5$ & $\leq 2.5$	Pass
			CP-OFDM QPSK	1745	Outer_Full	20	LV	-4.80	-0.0028	$\geq -2.5$ & $\leq 2.5$	Pass
							HV	-1.30	-0.0007	$\geq -2.5$ & $\leq 2.5$	Pass
						-30	NV	-3.80	-0.0022	$\geq -2.5$ & $\leq 2.5$	Pass
						-20	NV	-1.10	-0.0006	$\geq -2.5$ & $\leq 2.5$	Pass
						-10	NV	-1.70	-0.0010	$\geq -2.5$ & $\leq 2.5$	Pass
						0	NV	-4.30	-0.0025	$\geq -2.5$ & $\leq 2.5$	Pass
						10	NV	-1.90	-0.0011	$\geq -2.5$ & $\leq 2.5$	Pass
						20	NV	-3.00	-0.0017	$\geq -2.5$ & $\leq 2.5$	Pass
						30	NV	-3.10	-0.0018	$\geq -2.5$ & $\leq 2.5$	Pass
						40	NV	-2.80	-0.0016	$\geq -2.5$ & $\leq 2.5$	Pass
						50	NV	-1.60	-0.0009	$\geq -2.5$ & $\leq 2.5$	Pass
CP-OFDM 16 QAM	1745	Outer_Full				20	LV	0.80	0.0005	$\geq -2.5$ & $\leq 2.5$	Pass
							HV	-1.10	-0.0006	$\geq -2.5$ & $\leq 2.5$	Pass
						-30	NV	-1.50	-0.0009	$\geq -2.5$ & $\leq 2.5$	Pass
						-20	NV	-0.70	-0.0004	$\geq -2.5$ & $\leq 2.5$	Pass
						-10	NV	1.60	0.0009	$\geq -2.5$ & $\leq 2.5$	Pass
						0	NV	-2.20	-0.0013	$\geq -2.5$ & $\leq 2.5$	Pass
						10	NV	1.90	0.0011	$\geq -2.5$ & $\leq 2.5$	Pass
						20	NV	-1.80	-0.0010	$\geq -2.5$ & $\leq 2.5$	Pass
						30	NV	-1.80	-0.0010	$\geq -2.5$ & $\leq 2.5$	Pass
						40	NV	1.30	0.0007	$\geq -2.5$ & $\leq 2.5$	Pass
						50	NV	-1.30	-0.0007	$\geq -2.5$ & $\leq 2.5$	Pass
			CP-OFDM 64 QAM	1745	Outer_Full	20	LV	0.70	0.0004	$\geq -2.5$ & $\leq 2.5$	Pass
							HV	-0.20	-0.0001	$\geq -2.5$ & $\leq 2.5$	Pass
						-30	NV	-1.20	-0.0007	$\geq -2.5$ & $\leq 2.5$	Pass
						-20	NV	-0.90	-0.0005	$\geq -2.5$ & $\leq 2.5$	Pass
						-10	NV	-1.80	-0.0010	$\geq -2.5$ & $\leq 2.5$	Pass
						0	NV	1.90	0.0011	$\geq -2.5$ & $\leq 2.5$	Pass
						10	NV	-1.40	-0.0008	$\geq -2.5$ & $\leq 2.5$	Pass
						20	NV	-0.90	-0.0005	$\geq -2.5$ & $\leq 2.5$	Pass
						30	NV	4.00	0.0023	$\geq -2.5$ & $\leq 2.5$	Pass
						40	NV	-2.50	-0.0014	$\geq -2.5$ & $\leq 2.5$	Pass
						50	NV	1.30	0.0007	$\geq -2.5$ & $\leq 2.5$	Pass
CP-OFDM 256 QAM	1745	Outer_Full				20	LV	-3.70	-0.0021	$\geq -2.5$ & $\leq 2.5$	Pass
							HV	-4.00	-0.0023	$\geq -2.5$ & $\leq 2.5$	Pass



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Report No.: SEWM2311000456RG02

Rev.: 01

Page: 85 of 982

			-30	NV	3.20	0.0018	$\geq -2.5$ & $\leq 2.5$	Pass
			-20	NV	2.60	0.0015	$\geq -2.5$ & $\leq 2.5$	Pass
			-10	NV	3.40	0.0019	$\geq -2.5$ & $\leq 2.5$	Pass
			0	NV	2.40	0.0014	$\geq -2.5$ & $\leq 2.5$	Pass
			10	NV	4.80	0.0028	$\geq -2.5$ & $\leq 2.5$	Pass
			20	NV	2.70	0.0015	$\geq -2.5$ & $\leq 2.5$	Pass
			30	NV	0.90	0.0005	$\geq -2.5$ & $\leq 2.5$	Pass
			40	NV	-0.40	-0.0002	$\geq -2.5$ & $\leq 2.5$	Pass
			50	NV	1.90	0.0011	$\geq -2.5$ & $\leq 2.5$	Pass



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2.9 30k\_SISO\_10MHz

2.9.1 Test Result

5G NR n66 SCS=30kHz SISO 10MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	1745	Outer_Full	20	LV	-5.00	-0.0029	>=-2.5 & <=2.5	Pass
				HV	-4.90	-0.0028	>=-2.5 & <=2.5	Pass
			-30	NV	3.50	0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-3.40	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-4.30	-0.0025	>=-2.5 & <=2.5	Pass
			0	NV	-4.90	-0.0028	>=-2.5 & <=2.5	Pass
			10	NV	3.60	0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-2.70	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-4.60	-0.0026	>=-2.5 & <=2.5	Pass
			40	NV	-3.40	-0.0019	>=-2.5 & <=2.5	Pass
50	NV	-2.30	-0.0013	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM QPSK	1745	Outer_Full	20	LV	1.30	0.0007	>=-2.5 & <=2.5	Pass
				HV	3.50	0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-3.30	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-3.10	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			0	NV	3.20	0.0018	>=-2.5 & <=2.5	Pass
			10	NV	5.00	0.0029	>=-2.5 & <=2.5	Pass
			20	NV	3.10	0.0018	>=-2.5 & <=2.5	Pass
			30	NV	5.70	0.0033	>=-2.5 & <=2.5	Pass
			40	NV	4.70	0.0027	>=-2.5 & <=2.5	Pass
50	NV	2.30	0.0013	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 16 QAM	1745	Outer_Full	20	LV	1.80	0.0010	>=-2.5 & <=2.5	Pass
				HV	-2.30	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	4.00	0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	3.80	0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-7.40	-0.0042	>=-2.5 & <=2.5	Pass
			0	NV	-3.20	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-2.70	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-2.60	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	4.40	0.0025	>=-2.5 & <=2.5	Pass
			40	NV	2.40	0.0014	>=-2.5 & <=2.5	Pass
50	NV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 64 QAM	1745	Outer_Full	20	LV	4.10	0.0023	>=-2.5 & <=2.5	Pass
				HV	3.10	0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-4.10	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-3.20	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	4.00	0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-1.40	-0.0008	>=-2.5 & <=2.5	Pass
			10	NV	-1.00	-0.0006	>=-2.5 & <=2.5	Pass
			20	NV	2.50	0.0014	>=-2.5 & <=2.5	Pass



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			30	NV	0.30	0.0002	$\geq -2.5$ & $\leq 2.5$	Pass			
			40	NV	-0.70	-0.0004	$\geq -2.5$ & $\leq 2.5$	Pass			
			50	NV	-1.80	-0.0010	$\geq -2.5$ & $\leq 2.5$	Pass			
DFT-s-OFDM 256 QAM	1745	Outer_Full	20	LV	1.70	0.0010	$\geq -2.5$ & $\leq 2.5$	Pass			
				HV	2.90	0.0017	$\geq -2.5$ & $\leq 2.5$	Pass			
						-30	NV	0.70	0.0004	$\geq -2.5$ & $\leq 2.5$	Pass
						-20	NV	4.00	0.0023	$\geq -2.5$ & $\leq 2.5$	Pass
						-10	NV	2.50	0.0014	$\geq -2.5$ & $\leq 2.5$	Pass
						0	NV	-6.70	-0.0038	$\geq -2.5$ & $\leq 2.5$	Pass
						10	NV	-2.40	-0.0014	$\geq -2.5$ & $\leq 2.5$	Pass
						20	NV	-2.10	-0.0012	$\geq -2.5$ & $\leq 2.5$	Pass
						30	NV	-3.10	-0.0018	$\geq -2.5$ & $\leq 2.5$	Pass
						40	NV	-3.30	-0.0019	$\geq -2.5$ & $\leq 2.5$	Pass
						50	NV	-4.40	-0.0025	$\geq -2.5$ & $\leq 2.5$	Pass
			CP-OFDM QPSK	1745	Outer_Full	20	LV	-3.50	-0.0020	$\geq -2.5$ & $\leq 2.5$	Pass
HV	-1.30	-0.0007					$\geq -2.5$ & $\leq 2.5$	Pass			
						-30	NV	4.70	0.0027	$\geq -2.5$ & $\leq 2.5$	Pass
						-20	NV	-1.10	-0.0006	$\geq -2.5$ & $\leq 2.5$	Pass
						-10	NV	-4.60	-0.0026	$\geq -2.5$ & $\leq 2.5$	Pass
						0	NV	-2.10	-0.0012	$\geq -2.5$ & $\leq 2.5$	Pass
						10	NV	-4.00	-0.0023	$\geq -2.5$ & $\leq 2.5$	Pass
						20	NV	-2.10	-0.0012	$\geq -2.5$ & $\leq 2.5$	Pass
						30	NV	-1.80	-0.0010	$\geq -2.5$ & $\leq 2.5$	Pass
						40	NV	-4.80	-0.0028	$\geq -2.5$ & $\leq 2.5$	Pass
						50	NV	-2.90	-0.0017	$\geq -2.5$ & $\leq 2.5$	Pass
CP-OFDM 16 QAM	1745	Outer_Full				20	LV	1.90	0.0011	$\geq -2.5$ & $\leq 2.5$	Pass
			HV	-4.70	-0.0027		$\geq -2.5$ & $\leq 2.5$	Pass			
						-30	NV	-6.20	-0.0036	$\geq -2.5$ & $\leq 2.5$	Pass
						-20	NV	-5.90	-0.0034	$\geq -2.5$ & $\leq 2.5$	Pass
						-10	NV	-2.30	-0.0013	$\geq -2.5$ & $\leq 2.5$	Pass
						0	NV	-2.70	-0.0015	$\geq -2.5$ & $\leq 2.5$	Pass
						10	NV	-2.30	-0.0013	$\geq -2.5$ & $\leq 2.5$	Pass
						20	NV	-6.10	-0.0035	$\geq -2.5$ & $\leq 2.5$	Pass
						30	NV	-1.60	-0.0009	$\geq -2.5$ & $\leq 2.5$	Pass
						40	NV	-3.00	-0.0017	$\geq -2.5$ & $\leq 2.5$	Pass
						50	NV	-3.40	-0.0019	$\geq -2.5$ & $\leq 2.5$	Pass
			CP-OFDM 64 QAM	1745	Outer_Full	20	LV	-1.20	-0.0007	$\geq -2.5$ & $\leq 2.5$	Pass
HV	1.90	0.0011					$\geq -2.5$ & $\leq 2.5$	Pass			
						-30	NV	-3.80	-0.0022	$\geq -2.5$ & $\leq 2.5$	Pass
						-20	NV	-4.10	-0.0023	$\geq -2.5$ & $\leq 2.5$	Pass
						-10	NV	-3.60	-0.0021	$\geq -2.5$ & $\leq 2.5$	Pass
						0	NV	0.60	0.0003	$\geq -2.5$ & $\leq 2.5$	Pass
						10	NV	-7.40	-0.0042	$\geq -2.5$ & $\leq 2.5$	Pass
						20	NV	-1.30	-0.0007	$\geq -2.5$ & $\leq 2.5$	Pass
						30	NV	-4.00	-0.0023	$\geq -2.5$ & $\leq 2.5$	Pass
						40	NV	-2.40	-0.0014	$\geq -2.5$ & $\leq 2.5$	Pass
						50	NV	-2.20	-0.0013	$\geq -2.5$ & $\leq 2.5$	Pass
CP-OFDM 256 QAM	1745	Outer_Full				20	LV	2.70	0.0015	$\geq -2.5$ & $\leq 2.5$	Pass
			HV	1.70	0.0010		$\geq -2.5$ & $\leq 2.5$	Pass			



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t (86-512) 62992980 www.sgs.com.cn  
t (86-512) 62992980 sgs.china@sgs.com





Report No.: SEWM2311000456RG02

Rev.: 01

Page: 88 of 982

			-30	NV	2.80	0.0016	$\geq -2.5$ & $\leq 2.5$	Pass
			-20	NV	6.00	0.0034	$\geq -2.5$ & $\leq 2.5$	Pass
			-10	NV	1.30	0.0007	$\geq -2.5$ & $\leq 2.5$	Pass
			0	NV	2.80	0.0016	$\geq -2.5$ & $\leq 2.5$	Pass
			10	NV	1.50	0.0009	$\geq -2.5$ & $\leq 2.5$	Pass
			20	NV	3.00	0.0017	$\geq -2.5$ & $\leq 2.5$	Pass
			30	NV	0.60	0.0003	$\geq -2.5$ & $\leq 2.5$	Pass
			40	NV	3.40	0.0019	$\geq -2.5$ & $\leq 2.5$	Pass
			50	NV	1.00	0.0006	$\geq -2.5$ & $\leq 2.5$	Pass



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2.10 30k\_SISO\_15MHz

2.10.1 Test Result

5G NR n66 SCS=30kHz SISO 15MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	1745	Outer_Full	20	LV	3.10	0.0018	>=-2.5 & <=2.5	Pass
				HV	2.70	0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	-5.50	-0.0032	>=-2.5 & <=2.5	Pass
			-20	NV	-5.00	-0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	-3.20	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	2.90	0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-3.80	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	2.20	0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-2.80	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-5.50	-0.0032	>=-2.5 & <=2.5	Pass
50	NV	3.10	0.0018	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM QPSK	1745	Outer_Full	20	LV	-3.40	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	3.20	0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-4.40	-0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	-1.10	-0.0006	>=-2.5 & <=2.5	Pass
			0	NV	-2.30	-0.0013	>=-2.5 & <=2.5	Pass
			10	NV	-3.90	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	2.60	0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-3.10	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	3.30	0.0019	>=-2.5 & <=2.5	Pass
50	NV	2.80	0.0016	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 16 QAM	1745	Outer_Full	20	LV	3.30	0.0019	>=-2.5 & <=2.5	Pass
				HV	8.10	0.0046	>=-2.5 & <=2.5	Pass
			-30	NV	6.80	0.0039	>=-2.5 & <=2.5	Pass
			-20	NV	1.50	0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	5.00	0.0029	>=-2.5 & <=2.5	Pass
			0	NV	3.10	0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-3.90	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-3.30	-0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-1.90	-0.0011	>=-2.5 & <=2.5	Pass
			40	NV	-3.70	-0.0021	>=-2.5 & <=2.5	Pass
50	NV	-4.50	-0.0026	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 64 QAM	1745	Outer_Full	20	LV	-4.70	-0.0027	>=-2.5 & <=2.5	Pass
				HV	-2.80	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-3.20	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	2.50	0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	1.50	0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-3.00	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-4.20	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-6.20	-0.0036	>=-2.5 & <=2.5	Pass



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Table with 9 columns: Test Item, Modulation, Bandwidth, Frequency, Power, Error Rate, SNR, and Pass/Fail. Rows include DFT-s-OFDM 256 QAM, CP-OFDM QPSK, CP-OFDM 16 QAM, CP-OFDM 64 QAM, and CP-OFDM 256 QAM.



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Report No.: SEWM2311000456RG02

Rev.: 01

Page: 91 of 982

			-30	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-1.00	-0.0006	>=-2.5 & <=2.5	Pass
			-10	NV	-5.80	-0.0033	>=-2.5 & <=2.5	Pass
			0	NV	-0.30	-0.0002	>=-2.5 & <=2.5	Pass
			10	NV	-3.50	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	0.90	0.0005	>=-2.5 & <=2.5	Pass
			30	NV	-3.30	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-4.90	-0.0028	>=-2.5 & <=2.5	Pass
			50	NV	-3.80	-0.0022	>=-2.5 & <=2.5	Pass



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2.11 30k\_SISO\_20MHz

2.11.1 Test Result

Table with 9 columns: Modulation, Frequency (MHz), RB Allocation, Temp. (°C), Volt., Freq. Error (Hz), Freq. vs. rated (ppm) (Result, Limit), and Verdict. It contains test data for three modulation types: DFT-s-OFDM PI/2 BPSK, DFT-s-OFDM QPSK, and DFT-s-OFDM 16 QAM, all at 1745 MHz and Outer\_Full RB allocation.



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Wireless Laboratory

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Table with columns for Test Item, Modulation, Bandwidth, Frequency, Power, Error Rate, and Result. Rows include DFT-s-OFDM 256 QAM, CP-OFDM QPSK, CP-OFDM 16 QAM, CP-OFDM 64 QAM, and CP-OFDM 256 QAM.



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Report No.: SEWM2311000456RG02

Rev.: 01

Page: 94 of 982

			-30	NV	-3.60	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
			-10	NV	-4.70	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-3.10	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-3.60	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-1.00	-0.0006	>=-2.5 & <=2.5	Pass
			30	NV	-5.30	-0.0030	>=-2.5 & <=2.5	Pass
			40	NV	-2.50	-0.0014	>=-2.5 & <=2.5	Pass
			50	NV	-4.10	-0.0023	>=-2.5 & <=2.5	Pass



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2.12 30k\_SISO\_25MHz

2.12.1 Test Result

5G NR n66 SCS=30kHz SISO 25MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	1745	Outer_Full	20	LV	2.30	0.0013	>=-2.5 & <=2.5	Pass
				HV	2.70	0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	-8.00	-0.0046	>=-2.5 & <=2.5	Pass
			-20	NV	-5.70	-0.0033	>=-2.5 & <=2.5	Pass
			-10	NV	-3.80	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-3.70	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	4.80	0.0028	>=-2.5 & <=2.5	Pass
			20	NV	3.80	0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-3.70	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-6.30	-0.0036	>=-2.5 & <=2.5	Pass
50	NV	-2.30	-0.0013	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM QPSK	1745	Outer_Full	20	LV	-5.70	-0.0033	>=-2.5 & <=2.5	Pass
				HV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	1.50	0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-4.50	-0.0026	>=-2.5 & <=2.5	Pass
			-10	NV	2.50	0.0014	>=-2.5 & <=2.5	Pass
			0	NV	3.10	0.0018	>=-2.5 & <=2.5	Pass
			10	NV	5.70	0.0033	>=-2.5 & <=2.5	Pass
			20	NV	-6.60	-0.0038	>=-2.5 & <=2.5	Pass
			30	NV	-2.70	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-4.30	-0.0025	>=-2.5 & <=2.5	Pass
50	NV	-5.50	-0.0032	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 16 QAM	1745	Outer_Full	20	LV	-3.70	-0.0021	>=-2.5 & <=2.5	Pass
				HV	0.60	0.0003	>=-2.5 & <=2.5	Pass
			-30	NV	-3.40	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-1.90	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	2.80	0.0016	>=-2.5 & <=2.5	Pass
			10	NV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
			20	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			30	NV	3.80	0.0022	>=-2.5 & <=2.5	Pass
			40	NV	3.60	0.0021	>=-2.5 & <=2.5	Pass
50	NV	-3.50	-0.0020	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 64 QAM	1745	Outer_Full	20	LV	-2.60	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-4.20	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	2.10	0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	4.00	0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-4.20	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	3.80	0.0022	>=-2.5 & <=2.5	Pass
			10	NV	3.40	0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass



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			30	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass			
			40	NV	1.90	0.0011	>=-2.5 & <=2.5	Pass			
			50	NV	0.20	0.0001	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 256 QAM	1745	Outer_Full	20	LV	-3.20	-0.0018	>=-2.5 & <=2.5	Pass			
				HV	3.10	0.0018	>=-2.5 & <=2.5	Pass			
						-30	NV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
						-20	NV	3.50	0.0020	>=-2.5 & <=2.5	Pass
						-10	NV	2.20	0.0013	>=-2.5 & <=2.5	Pass
						0	NV	5.20	0.0030	>=-2.5 & <=2.5	Pass
						10	NV	-0.70	-0.0004	>=-2.5 & <=2.5	Pass
						20	NV	-3.10	-0.0018	>=-2.5 & <=2.5	Pass
						30	NV	1.60	0.0009	>=-2.5 & <=2.5	Pass
						40	NV	-3.40	-0.0019	>=-2.5 & <=2.5	Pass
						50	NV	-3.90	-0.0022	>=-2.5 & <=2.5	Pass
			CP-OFDM QPSK	1745	Outer_Full	20	LV	3.20	0.0018	>=-2.5 & <=2.5	Pass
							HV	4.90	0.0028	>=-2.5 & <=2.5	Pass
						-30	NV	5.50	0.0032	>=-2.5 & <=2.5	Pass
						-20	NV	4.00	0.0023	>=-2.5 & <=2.5	Pass
						-10	NV	4.50	0.0026	>=-2.5 & <=2.5	Pass
						0	NV	2.30	0.0013	>=-2.5 & <=2.5	Pass
						10	NV	2.50	0.0014	>=-2.5 & <=2.5	Pass
						20	NV	2.40	0.0014	>=-2.5 & <=2.5	Pass
						30	NV	2.50	0.0014	>=-2.5 & <=2.5	Pass
						40	NV	2.70	0.0015	>=-2.5 & <=2.5	Pass
						50	NV	2.10	0.0012	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	1745	Outer_Full				20	LV	2.90	0.0017	>=-2.5 & <=2.5	Pass
							HV	5.10	0.0029	>=-2.5 & <=2.5	Pass
						-30	NV	3.60	0.0021	>=-2.5 & <=2.5	Pass
						-20	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
						-10	NV	3.00	0.0017	>=-2.5 & <=2.5	Pass
						0	NV	1.30	0.0007	>=-2.5 & <=2.5	Pass
						10	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
						20	NV	-0.90	-0.0005	>=-2.5 & <=2.5	Pass
						30	NV	4.10	0.0023	>=-2.5 & <=2.5	Pass
						40	NV	2.50	0.0014	>=-2.5 & <=2.5	Pass
						50	NV	4.20	0.0024	>=-2.5 & <=2.5	Pass
			CP-OFDM 64 QAM	1745	Outer_Full	20	LV	4.40	0.0025	>=-2.5 & <=2.5	Pass
							HV	4.70	0.0027	>=-2.5 & <=2.5	Pass
						-30	NV	6.10	0.0035	>=-2.5 & <=2.5	Pass
						-20	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
						-10	NV	3.10	0.0018	>=-2.5 & <=2.5	Pass
						0	NV	2.30	0.0013	>=-2.5 & <=2.5	Pass
						10	NV	2.10	0.0012	>=-2.5 & <=2.5	Pass
						20	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
						30	NV	3.60	0.0021	>=-2.5 & <=2.5	Pass
						40	NV	2.90	0.0017	>=-2.5 & <=2.5	Pass
						50	NV	2.80	0.0016	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	1745	Outer_Full				20	LV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
							HV	-3.70	-0.0021	>=-2.5 & <=2.5	Pass



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t (86-512) 62992980 [www.sgs.com](http://www.sgs.com) [www.sgs.com.cn](http://www.sgs.com.cn)

中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)



Report No.: SEWM2311000456RG02

Rev.: 01

Page: 97 of 982

			-30	NV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-4.70	-0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	-5.80	-0.0033	>=-2.5 & <=2.5	Pass
			0	NV	-4.60	-0.0026	>=-2.5 & <=2.5	Pass
			10	NV	3.20	0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-1.50	-0.0009	>=-2.5 & <=2.5	Pass
			30	NV	-1.10	-0.0006	>=-2.5 & <=2.5	Pass
			40	NV	2.50	0.0014	>=-2.5 & <=2.5	Pass
			50	NV	1.20	0.0007	>=-2.5 & <=2.5	Pass



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South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgsgroup.com.cn  
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

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2.13 30k\_SISO\_30MHz

2.13.1 Test Result

5G NR n66 SCS=30kHz SISO 30MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	1745	Outer_Full	20	LV	2.90	0.0017	>=-2.5 & <=2.5	Pass
				HV	-3.10	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	1.80	0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	-4.50	-0.0026	>=-2.5 & <=2.5	Pass
			-10	NV	4.90	0.0028	>=-2.5 & <=2.5	Pass
			0	NV	-4.60	-0.0026	>=-2.5 & <=2.5	Pass
			10	NV	-7.80	-0.0045	>=-2.5 & <=2.5	Pass
			20	NV	-5.80	-0.0033	>=-2.5 & <=2.5	Pass
			30	NV	-3.90	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
50	NV	-5.50	-0.0032	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM QPSK	1745	Outer_Full	20	LV	2.30	0.0013	>=-2.5 & <=2.5	Pass
				HV	2.80	0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-4.90	-0.0028	>=-2.5 & <=2.5	Pass
			-20	NV	4.80	0.0028	>=-2.5 & <=2.5	Pass
			-10	NV	3.90	0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-4.80	-0.0028	>=-2.5 & <=2.5	Pass
			10	NV	-2.00	-0.0011	>=-2.5 & <=2.5	Pass
			20	NV	-4.30	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	6.30	0.0036	>=-2.5 & <=2.5	Pass
			40	NV	-3.10	-0.0018	>=-2.5 & <=2.5	Pass
50	NV	-3.00	-0.0017	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 16 QAM	1745	Outer_Full	20	LV	2.60	0.0015	>=-2.5 & <=2.5	Pass
				HV	1.10	0.0006	>=-2.5 & <=2.5	Pass
			-30	NV	3.50	0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	1.90	0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	5.50	0.0032	>=-2.5 & <=2.5	Pass
			0	NV	1.90	0.0011	>=-2.5 & <=2.5	Pass
			10	NV	2.90	0.0017	>=-2.5 & <=2.5	Pass
			20	NV	4.00	0.0023	>=-2.5 & <=2.5	Pass
			30	NV	2.90	0.0017	>=-2.5 & <=2.5	Pass
			40	NV	5.30	0.0030	>=-2.5 & <=2.5	Pass
50	NV	6.60	0.0038	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 64 QAM	1745	Outer_Full	20	LV	-3.70	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-2.90	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	2.10	0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-5.00	-0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	-3.40	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-6.00	-0.0034	>=-2.5 & <=2.5	Pass
			10	NV	-3.70	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-5.20	-0.0030	>=-2.5 & <=2.5	Pass



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			30	NV	-8.60	-0.0049	>=-2.5 & <=2.5	Pass			
			40	NV	-5.00	-0.0029	>=-2.5 & <=2.5	Pass			
			50	NV	-4.30	-0.0025	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 256 QAM	1745	Outer_Full	20	LV	-3.60	-0.0021	>=-2.5 & <=2.5	Pass			
				HV	-3.40	-0.0019	>=-2.5 & <=2.5	Pass			
			-30	NV	-4.30	-0.0025	>=-2.5 & <=2.5	Pass			
			-20	NV	-4.60	-0.0026	>=-2.5 & <=2.5	Pass			
			-10	NV	-1.20	-0.0007	>=-2.5 & <=2.5	Pass			
			0	NV	-4.80	-0.0028	>=-2.5 & <=2.5	Pass			
			10	NV	-2.50	-0.0014	>=-2.5 & <=2.5	Pass			
			20	NV	1.90	0.0011	>=-2.5 & <=2.5	Pass			
			30	NV	4.20	0.0024	>=-2.5 & <=2.5	Pass			
			40	NV	1.00	0.0006	>=-2.5 & <=2.5	Pass			
			50	NV	4.40	0.0025	>=-2.5 & <=2.5	Pass			
			CP-OFDM QPSK	1745	Outer_Full	20	LV	-4.50	-0.0026	>=-2.5 & <=2.5	Pass
							HV	-3.30	-0.0019	>=-2.5 & <=2.5	Pass
-30	NV	-6.00				-0.0034	>=-2.5 & <=2.5	Pass			
-20	NV	-3.50				-0.0020	>=-2.5 & <=2.5	Pass			
-10	NV	-5.20				-0.0030	>=-2.5 & <=2.5	Pass			
0	NV	-5.20				-0.0030	>=-2.5 & <=2.5	Pass			
10	NV	-3.30				-0.0019	>=-2.5 & <=2.5	Pass			
20	NV	-2.80				-0.0016	>=-2.5 & <=2.5	Pass			
30	NV	-4.90				-0.0028	>=-2.5 & <=2.5	Pass			
40	NV	-3.20				-0.0018	>=-2.5 & <=2.5	Pass			
50	NV	1.50				0.0009	>=-2.5 & <=2.5	Pass			
CP-OFDM 16 QAM	1745	Outer_Full				20	LV	-3.40	-0.0019	>=-2.5 & <=2.5	Pass
							HV	-0.70	-0.0004	>=-2.5 & <=2.5	Pass
			-30	NV	-4.80	-0.0028	>=-2.5 & <=2.5	Pass			
			-20	NV	-6.50	-0.0037	>=-2.5 & <=2.5	Pass			
			-10	NV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass			
			0	NV	-3.80	-0.0022	>=-2.5 & <=2.5	Pass			
			10	NV	-3.70	-0.0021	>=-2.5 & <=2.5	Pass			
			20	NV	-5.60	-0.0032	>=-2.5 & <=2.5	Pass			
			30	NV	-2.70	-0.0015	>=-2.5 & <=2.5	Pass			
			40	NV	-4.00	-0.0023	>=-2.5 & <=2.5	Pass			
			50	NV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass			
			CP-OFDM 64 QAM	1745	Outer_Full	20	LV	-3.30	-0.0019	>=-2.5 & <=2.5	Pass
							HV	-5.20	-0.0030	>=-2.5 & <=2.5	Pass
-30	NV	-5.40				-0.0031	>=-2.5 & <=2.5	Pass			
-20	NV	-3.90				-0.0022	>=-2.5 & <=2.5	Pass			
-10	NV	-3.30				-0.0019	>=-2.5 & <=2.5	Pass			
0	NV	-4.20				-0.0024	>=-2.5 & <=2.5	Pass			
10	NV	-2.80				-0.0016	>=-2.5 & <=2.5	Pass			
20	NV	-3.20				-0.0018	>=-2.5 & <=2.5	Pass			
30	NV	-5.70				-0.0033	>=-2.5 & <=2.5	Pass			
40	NV	-2.70				-0.0015	>=-2.5 & <=2.5	Pass			
50	NV	-2.50				-0.0014	>=-2.5 & <=2.5	Pass			
CP-OFDM 256 QAM	1745	Outer_Full				20	LV	-3.70	-0.0021	>=-2.5 & <=2.5	Pass
							HV	3.50	0.0020	>=-2.5 & <=2.5	Pass



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t (86-512) 62992980 www.sgs.com.cn  
 t (86-512) 62992980 sgs.china@sgs.com



Report No.: SEWM2311000456RG02

Rev.: 01

Page: 100 of 982

			-30	NV	-0.60	-0.0003	$\geq -2.5$ & $\leq 2.5$	Pass
			-20	NV	-2.40	-0.0014	$\geq -2.5$ & $\leq 2.5$	Pass
			-10	NV	-4.10	-0.0023	$\geq -2.5$ & $\leq 2.5$	Pass
			0	NV	-4.60	-0.0026	$\geq -2.5$ & $\leq 2.5$	Pass
			10	NV	1.60	0.0009	$\geq -2.5$ & $\leq 2.5$	Pass
			20	NV	3.70	0.0021	$\geq -2.5$ & $\leq 2.5$	Pass
			30	NV	4.10	0.0023	$\geq -2.5$ & $\leq 2.5$	Pass
			40	NV	3.80	0.0022	$\geq -2.5$ & $\leq 2.5$	Pass
			50	NV	2.30	0.0013	$\geq -2.5$ & $\leq 2.5$	Pass



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2.14 30k\_SISO\_35MHz

2.14.1 Test Result

5G NR n66 SCS=30kHz SISO 35MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	1745	Outer_Full	20	LV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
				HV	4.40	0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	7.10	0.0041	>=-2.5 & <=2.5	Pass
			-20	NV	4.20	0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	3.00	0.0017	>=-2.5 & <=2.5	Pass
			0	NV	5.00	0.0029	>=-2.5 & <=2.5	Pass
			10	NV	3.20	0.0018	>=-2.5 & <=2.5	Pass
			20	NV	4.60	0.0026	>=-2.5 & <=2.5	Pass
			30	NV	5.90	0.0034	>=-2.5 & <=2.5	Pass
			40	NV	-5.80	-0.0033	>=-2.5 & <=2.5	Pass
50	NV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM QPSK	1745	Outer_Full	20	LV	-3.40	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-6.70	-0.0038	>=-2.5 & <=2.5	Pass
			-30	NV	-6.20	-0.0036	>=-2.5 & <=2.5	Pass
			-20	NV	-1.00	-0.0006	>=-2.5 & <=2.5	Pass
			-10	NV	-5.50	-0.0032	>=-2.5 & <=2.5	Pass
			0	NV	-2.30	-0.0013	>=-2.5 & <=2.5	Pass
			10	NV	1.50	0.0009	>=-2.5 & <=2.5	Pass
			20	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-5.00	-0.0029	>=-2.5 & <=2.5	Pass
50	NV	2.50	0.0014	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 16 QAM	1745	Outer_Full	20	LV	-1.30	-0.0007	>=-2.5 & <=2.5	Pass
				HV	-1.80	-0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	3.60	0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-3.00	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-5.10	-0.0029	>=-2.5 & <=2.5	Pass
			0	NV	2.50	0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-4.00	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-5.40	-0.0031	>=-2.5 & <=2.5	Pass
			30	NV	-2.20	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-4.00	-0.0023	>=-2.5 & <=2.5	Pass
50	NV	-2.60	-0.0015	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 64 QAM	1745	Outer_Full	20	LV	2.80	0.0016	>=-2.5 & <=2.5	Pass
				HV	6.10	0.0035	>=-2.5 & <=2.5	Pass
			-30	NV	2.40	0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	3.80	0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	3.00	0.0017	>=-2.5 & <=2.5	Pass
			0	NV	1.90	0.0011	>=-2.5 & <=2.5	Pass
			10	NV	2.50	0.0014	>=-2.5 & <=2.5	Pass
			20	NV	5.10	0.0029	>=-2.5 & <=2.5	Pass



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			30	NV	-0.80	-0.0005	$\geq -2.5$ & $\leq 2.5$	Pass			
			40	NV	-4.10	-0.0023	$\geq -2.5$ & $\leq 2.5$	Pass			
			50	NV	-2.10	-0.0012	$\geq -2.5$ & $\leq 2.5$	Pass			
DFT-s-OFDM 256 QAM	1745	Outer_Full	20	LV	-4.40	-0.0025	$\geq -2.5$ & $\leq 2.5$	Pass			
				HV	-6.20	-0.0036	$\geq -2.5$ & $\leq 2.5$	Pass			
						-30	NV	-4.30	-0.0025	$\geq -2.5$ & $\leq 2.5$	Pass
						-20	NV	-1.60	-0.0009	$\geq -2.5$ & $\leq 2.5$	Pass
						-10	NV	-5.10	-0.0029	$\geq -2.5$ & $\leq 2.5$	Pass
						0	NV	1.80	0.0010	$\geq -2.5$ & $\leq 2.5$	Pass
						10	NV	-3.40	-0.0019	$\geq -2.5$ & $\leq 2.5$	Pass
						20	NV	-1.40	-0.0008	$\geq -2.5$ & $\leq 2.5$	Pass
						30	NV	6.90	0.0040	$\geq -2.5$ & $\leq 2.5$	Pass
						40	NV	4.90	0.0028	$\geq -2.5$ & $\leq 2.5$	Pass
						50	NV	1.80	0.0010	$\geq -2.5$ & $\leq 2.5$	Pass
			CP-OFDM QPSK	1745	Outer_Full	20	LV	3.80	0.0022	$\geq -2.5$ & $\leq 2.5$	Pass
							HV	1.10	0.0006	$\geq -2.5$ & $\leq 2.5$	Pass
						-30	NV	1.70	0.0010	$\geq -2.5$ & $\leq 2.5$	Pass
						-20	NV	0.80	0.0005	$\geq -2.5$ & $\leq 2.5$	Pass
						-10	NV	2.90	0.0017	$\geq -2.5$ & $\leq 2.5$	Pass
						0	NV	-2.70	-0.0015	$\geq -2.5$ & $\leq 2.5$	Pass
						10	NV	-2.10	-0.0012	$\geq -2.5$ & $\leq 2.5$	Pass
						20	NV	-2.50	-0.0014	$\geq -2.5$ & $\leq 2.5$	Pass
						30	NV	2.50	0.0014	$\geq -2.5$ & $\leq 2.5$	Pass
						40	NV	-4.10	-0.0023	$\geq -2.5$ & $\leq 2.5$	Pass
						50	NV	-1.10	-0.0006	$\geq -2.5$ & $\leq 2.5$	Pass
CP-OFDM 16 QAM	1745	Outer_Full				20	LV	-4.10	-0.0023	$\geq -2.5$ & $\leq 2.5$	Pass
							HV	2.00	0.0011	$\geq -2.5$ & $\leq 2.5$	Pass
						-30	NV	3.10	0.0018	$\geq -2.5$ & $\leq 2.5$	Pass
						-20	NV	0.70	0.0004	$\geq -2.5$ & $\leq 2.5$	Pass
						-10	NV	-2.00	-0.0011	$\geq -2.5$ & $\leq 2.5$	Pass
						0	NV	-3.00	-0.0017	$\geq -2.5$ & $\leq 2.5$	Pass
						10	NV	0.60	0.0003	$\geq -2.5$ & $\leq 2.5$	Pass
						20	NV	2.50	0.0014	$\geq -2.5$ & $\leq 2.5$	Pass
						30	NV	-2.30	-0.0013	$\geq -2.5$ & $\leq 2.5$	Pass
						40	NV	-3.00	-0.0017	$\geq -2.5$ & $\leq 2.5$	Pass
						50	NV	1.00	0.0006	$\geq -2.5$ & $\leq 2.5$	Pass
			CP-OFDM 64 QAM	1745	Outer_Full	20	LV	-6.10	-0.0035	$\geq -2.5$ & $\leq 2.5$	Pass
							HV	-5.60	-0.0032	$\geq -2.5$ & $\leq 2.5$	Pass
						-30	NV	-9.50	-0.0054	$\geq -2.5$ & $\leq 2.5$	Pass
						-20	NV	-6.20	-0.0036	$\geq -2.5$ & $\leq 2.5$	Pass
						-10	NV	-7.60	-0.0044	$\geq -2.5$ & $\leq 2.5$	Pass
						0	NV	-4.30	-0.0025	$\geq -2.5$ & $\leq 2.5$	Pass
						10	NV	2.30	0.0013	$\geq -2.5$ & $\leq 2.5$	Pass
						20	NV	-2.80	-0.0016	$\geq -2.5$ & $\leq 2.5$	Pass
						30	NV	-4.80	-0.0028	$\geq -2.5$ & $\leq 2.5$	Pass
						40	NV	-4.10	-0.0023	$\geq -2.5$ & $\leq 2.5$	Pass
						50	NV	-4.10	-0.0023	$\geq -2.5$ & $\leq 2.5$	Pass
CP-OFDM 256 QAM	1745	Outer_Full				20	LV	-3.90	-0.0022	$\geq -2.5$ & $\leq 2.5$	Pass
							HV	-0.60	-0.0003	$\geq -2.5$ & $\leq 2.5$	Pass



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 t (86-512) 62992980 sgs.china@sgs.com



Report No.: SEWM2311000456RG02

Rev.: 01

Page: 103 of 982

			-30	NV	-5.00	-0.0029	$\geq -2.5$ & $\leq 2.5$	Pass
			-20	NV	-5.30	-0.0030	$\geq -2.5$ & $\leq 2.5$	Pass
			-10	NV	-4.60	-0.0026	$\geq -2.5$ & $\leq 2.5$	Pass
			0	NV	-2.10	-0.0012	$\geq -2.5$ & $\leq 2.5$	Pass
			10	NV	2.70	0.0015	$\geq -2.5$ & $\leq 2.5$	Pass
			20	NV	5.40	0.0031	$\geq -2.5$ & $\leq 2.5$	Pass
			30	NV	6.30	0.0036	$\geq -2.5$ & $\leq 2.5$	Pass
			40	NV	4.00	0.0023	$\geq -2.5$ & $\leq 2.5$	Pass
			50	NV	1.10	0.0006	$\geq -2.5$ & $\leq 2.5$	Pass



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2.15 30k\_SISO\_40MHz

2.15.1 Test Result

5G NR n66 SCS=30kHz SISO 40MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	1745	Outer_Full	20	LV	-7.00	-0.0040	>=-2.5 & <=2.5	Pass
				HV	-1.20	-0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	-3.50	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-4.20	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-3.00	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
			30	NV	-6.00	-0.0034	>=-2.5 & <=2.5	Pass
			40	NV	6.60	0.0038	>=-2.5 & <=2.5	Pass
50	NV	4.30	0.0025	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM QPSK	1745	Outer_Full	20	LV	2.40	0.0014	>=-2.5 & <=2.5	Pass
				HV	-2.80	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-5.40	-0.0031	>=-2.5 & <=2.5	Pass
			-20	NV	-1.20	-0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	1.50	0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-6.40	-0.0037	>=-2.5 & <=2.5	Pass
			10	NV	-5.90	-0.0034	>=-2.5 & <=2.5	Pass
			20	NV	2.70	0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-4.90	-0.0028	>=-2.5 & <=2.5	Pass
			40	NV	4.00	0.0023	>=-2.5 & <=2.5	Pass
50	NV	3.10	0.0018	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 16 QAM	1745	Outer_Full	20	LV	5.40	0.0031	>=-2.5 & <=2.5	Pass
				HV	-2.30	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-5.40	-0.0031	>=-2.5 & <=2.5	Pass
			-20	NV	-3.90	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-2.60	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-2.10	-0.0012	>=-2.5 & <=2.5	Pass
			10	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass
			20	NV	-3.20	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-4.60	-0.0026	>=-2.5 & <=2.5	Pass
			40	NV	-5.80	-0.0033	>=-2.5 & <=2.5	Pass
50	NV	-3.80	-0.0022	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 64 QAM	1745	Outer_Full	20	LV	-3.40	-0.0019	>=-2.5 & <=2.5	Pass
				HV	4.00	0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-4.70	-0.0027	>=-2.5 & <=2.5	Pass
			-20	NV	3.00	0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	2.60	0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-2.40	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-3.60	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	2.00	0.0011	>=-2.5 & <=2.5	Pass



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			30	NV	-5.00	-0.0029	$\geq -2.5$ & $\leq 2.5$	Pass			
			40	NV	-2.20	-0.0013	$\geq -2.5$ & $\leq 2.5$	Pass			
			50	NV	2.10	0.0012	$\geq -2.5$ & $\leq 2.5$	Pass			
DFT-s-OFDM 256 QAM	1745	Outer_Full	20	LV	-4.90	-0.0028	$\geq -2.5$ & $\leq 2.5$	Pass			
				HV	2.40	0.0014	$\geq -2.5$ & $\leq 2.5$	Pass			
						-30	NV	-2.70	-0.0015	$\geq -2.5$ & $\leq 2.5$	Pass
						-20	NV	-4.20	-0.0024	$\geq -2.5$ & $\leq 2.5$	Pass
						-10	NV	-3.40	-0.0019	$\geq -2.5$ & $\leq 2.5$	Pass
						0	NV	-7.70	-0.0044	$\geq -2.5$ & $\leq 2.5$	Pass
						10	NV	1.20	0.0007	$\geq -2.5$ & $\leq 2.5$	Pass
						20	NV	4.20	0.0024	$\geq -2.5$ & $\leq 2.5$	Pass
						30	NV	-4.10	-0.0023	$\geq -2.5$ & $\leq 2.5$	Pass
						40	NV	3.10	0.0018	$\geq -2.5$ & $\leq 2.5$	Pass
						50	NV	-2.50	-0.0014	$\geq -2.5$ & $\leq 2.5$	Pass
			CP-OFDM QPSK	1745	Outer_Full	20	LV	4.20	0.0024	$\geq -2.5$ & $\leq 2.5$	Pass
							HV	-4.60	-0.0026	$\geq -2.5$ & $\leq 2.5$	Pass
						-30	NV	-0.40	-0.0002	$\geq -2.5$ & $\leq 2.5$	Pass
						-20	NV	-0.60	-0.0003	$\geq -2.5$ & $\leq 2.5$	Pass
						-10	NV	-2.10	-0.0012	$\geq -2.5$ & $\leq 2.5$	Pass
						0	NV	2.40	0.0014	$\geq -2.5$ & $\leq 2.5$	Pass
						10	NV	0.70	0.0004	$\geq -2.5$ & $\leq 2.5$	Pass
						20	NV	-3.00	-0.0017	$\geq -2.5$ & $\leq 2.5$	Pass
						30	NV	-2.80	-0.0016	$\geq -2.5$ & $\leq 2.5$	Pass
						40	NV	1.80	0.0010	$\geq -2.5$ & $\leq 2.5$	Pass
						50	NV	5.70	0.0033	$\geq -2.5$ & $\leq 2.5$	Pass
CP-OFDM 16 QAM	1745	Outer_Full				20	LV	4.70	0.0027	$\geq -2.5$ & $\leq 2.5$	Pass
							HV	4.60	0.0026	$\geq -2.5$ & $\leq 2.5$	Pass
						-30	NV	1.50	0.0009	$\geq -2.5$ & $\leq 2.5$	Pass
						-20	NV	-0.80	-0.0005	$\geq -2.5$ & $\leq 2.5$	Pass
						-10	NV	6.10	0.0035	$\geq -2.5$ & $\leq 2.5$	Pass
						0	NV	1.50	0.0009	$\geq -2.5$ & $\leq 2.5$	Pass
						10	NV	2.50	0.0014	$\geq -2.5$ & $\leq 2.5$	Pass
						20	NV	3.40	0.0019	$\geq -2.5$ & $\leq 2.5$	Pass
						30	NV	3.60	0.0021	$\geq -2.5$ & $\leq 2.5$	Pass
						40	NV	3.00	0.0017	$\geq -2.5$ & $\leq 2.5$	Pass
						50	NV	2.30	0.0013	$\geq -2.5$ & $\leq 2.5$	Pass
			CP-OFDM 64 QAM	1745	Outer_Full	20	LV	2.60	0.0015	$\geq -2.5$ & $\leq 2.5$	Pass
							HV	-2.50	-0.0014	$\geq -2.5$ & $\leq 2.5$	Pass
						-30	NV	1.90	0.0011	$\geq -2.5$ & $\leq 2.5$	Pass
						-20	NV	3.60	0.0021	$\geq -2.5$ & $\leq 2.5$	Pass
						-10	NV	2.70	0.0015	$\geq -2.5$ & $\leq 2.5$	Pass
						0	NV	4.90	0.0028	$\geq -2.5$ & $\leq 2.5$	Pass
						10	NV	5.80	0.0033	$\geq -2.5$ & $\leq 2.5$	Pass
						20	NV	3.60	0.0021	$\geq -2.5$ & $\leq 2.5$	Pass
						30	NV	2.60	0.0015	$\geq -2.5$ & $\leq 2.5$	Pass
						40	NV	1.60	0.0009	$\geq -2.5$ & $\leq 2.5$	Pass
						50	NV	2.00	0.0011	$\geq -2.5$ & $\leq 2.5$	Pass
CP-OFDM 256 QAM	1745	Outer_Full				20	LV	4.20	0.0024	$\geq -2.5$ & $\leq 2.5$	Pass
							HV	0.40	0.0002	$\geq -2.5$ & $\leq 2.5$	Pass



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Report No.: SEWM2311000456RG02

Rev.: 01

Page: 106 of 982

			-30	NV	3.70	0.0021	$\geq -2.5$ & $\leq 2.5$	Pass
			-20	NV	2.40	0.0014	$\geq -2.5$ & $\leq 2.5$	Pass
			-10	NV	-2.80	-0.0016	$\geq -2.5$ & $\leq 2.5$	Pass
			0	NV	-3.90	-0.0022	$\geq -2.5$ & $\leq 2.5$	Pass
			10	NV	1.80	0.0010	$\geq -2.5$ & $\leq 2.5$	Pass
			20	NV	1.80	0.0010	$\geq -2.5$ & $\leq 2.5$	Pass
			30	NV	-2.40	-0.0014	$\geq -2.5$ & $\leq 2.5$	Pass
			40	NV	-4.40	-0.0025	$\geq -2.5$ & $\leq 2.5$	Pass
			50	NV	-5.20	-0.0030	$\geq -2.5$ & $\leq 2.5$	Pass



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### 3. Field Strength of Spurious Radiation

Test Band = SA Band 66\_ TM1

Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3422.18	45.61	-48.38	28.67	-69.36	-13.00	56.36	Horizontal
2	5133.27	45.22	-47.84	31.82	-66.06	-13.00	53.06	Horizontal
3	6844.36	45.92	-46.82	35.26	-60.90	-13.00	47.90	Horizontal
4	8555.45	43.90	-44.11	36.98	-58.49	-13.00	45.49	Horizontal
5	10266.54	40.35	-41.48	38.74	-57.65	-13.00	44.65	Horizontal
6	11977.63	40.30	-39.54	39.20	-55.30	-13.00	42.30	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3422.18	45.76	-48.38	28.67	-69.21	-13.00	56.21	Vertical
2	5133.27	45.25	-47.84	31.82	-66.03	-13.00	53.03	Vertical
3	6844.36	45.63	-46.82	35.26	-61.19	-13.00	48.19	Vertical
4	8555.45	44.43	-44.11	36.98	-57.96	-13.00	44.96	Vertical
5	10266.54	40.76	-41.48	38.74	-57.24	-13.00	44.24	Vertical
6	11977.63	40.38	-39.54	39.20	-55.22	-13.00	42.22	Vertical



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Report No.: SEWM2311000456RG02  
 Rev.: 01  
 Page: 108 of 982

Test Band = SA Band 66\_ TM1  
 Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3472.18	45.59	-48.32	28.69	-69.30	-13.00	56.30	Horizontal
2	5208.27	45.88	-47.88	32.00	-65.26	-13.00	52.26	Horizontal
3	6944.36	44.69	-46.67	35.48	-61.76	-13.00	48.76	Horizontal
4	8680.45	43.77	-44.09	37.15	-58.43	-13.00	45.43	Horizontal
5	10416.54	40.07	-41.14	38.88	-57.46	-13.00	44.46	Horizontal
6	12152.63	38.87	-39.73	39.11	-57.01	-13.00	44.01	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3472.18	45.09	-48.32	28.69	-69.80	-13.00	56.80	Vertical
2	5208.27	45.43	-47.88	32.00	-65.71	-13.00	52.71	Vertical
3	6944.36	44.80	-46.67	35.48	-61.65	-13.00	48.65	Vertical
4	8680.45	43.88	-44.09	37.15	-58.32	-13.00	45.32	Vertical
5	10416.54	40.33	-41.14	38.88	-57.20	-13.00	44.20	Vertical
6	12152.63	39.58	-39.73	39.11	-56.30	-13.00	43.30	Vertical



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Report No.: SEWM2311000456RG02  
 Rev.: 01  
 Page: 109 of 982

Test Band = SA Band 66\_ TM1  
 Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3522.18	45.18	-48.29	28.73	-69.64	-13.00	56.64	Horizontal
2	5283.27	45.57	-47.80	32.18	-65.31	-13.00	52.31	Horizontal
3	7044.36	45.01	-46.26	35.71	-60.80	-13.00	47.80	Horizontal
4	8805.45	44.40	-43.99	37.33	-57.52	-13.00	44.52	Horizontal
5	10566.54	40.13	-41.05	39.01	-57.17	-13.00	44.17	Horizontal
6	12327.63	38.81	-39.68	39.00	-57.13	-13.00	44.13	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3522.18	45.24	-48.29	28.73	-69.58	-13.00	56.58	Vertical
2	5283.27	45.98	-47.80	32.18	-64.90	-13.00	51.90	Vertical
3	7044.36	44.96	-46.26	35.71	-60.85	-13.00	47.85	Vertical
4	8805.45	44.26	-43.99	37.33	-57.66	-13.00	44.66	Vertical
5	10566.54	40.34	-41.05	39.01	-56.96	-13.00	43.96	Vertical
6	12327.63	39.63	-39.68	39.00	-56.31	-13.00	43.31	Vertical



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Report No.: SEWM2311000456RG02  
 Rev.: 01  
 Page: 110 of 982

Test Band = NSA 2A\_N66A\_TM1  
 Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3422.18	46.24	-48.38	28.67	-68.73	-25.00	43.73	Horizontal
2	5133.27	44.97	-47.84	31.82	-66.31	-25.00	41.31	Horizontal
3	6844.36	45.55	-46.82	35.26	-61.27	-25.00	36.27	Horizontal
4	8555.45	45.10	-44.11	36.98	-57.29	-25.00	32.29	Horizontal
5	10266.54	41.49	-41.48	38.74	-56.51	-25.00	31.51	Horizontal
6	11977.63	39.87	-39.55	39.20	-55.73	-25.00	30.73	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3422.18	45.47	-48.38	28.67	-69.50	-25.00	44.50	Vertical
2	5133.27	45.38	-47.84	31.82	-65.90	-25.00	40.90	Vertical
3	6844.36	45.31	-46.82	35.26	-61.51	-25.00	36.51	Vertical
4	8555.45	44.68	-44.11	36.98	-57.71	-25.00	32.71	Vertical
5	10266.54	41.01	-41.48	38.74	-56.99	-25.00	31.99	Vertical
6	11977.63	40.17	-39.55	39.20	-55.43	-25.00	30.43	Vertical



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Report No.: SEWM2311000456RG02  
 Rev.: 01  
 Page: 111 of 982

Test Band = NSA 2A\_N66A\_TM1  
 Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3472.18	45.34	-48.32	28.69	-69.55	-25.00	44.55	Horizontal
2	5208.27	45.45	-47.88	32.00	-65.69	-25.00	40.69	Horizontal
3	6944.36	45.13	-46.67	35.48	-61.32	-25.00	36.32	Horizontal
4	8680.45	43.74	-44.09	37.15	-58.46	-25.00	33.46	Horizontal
5	10416.54	41.11	-41.14	38.88	-56.41	-25.00	31.41	Horizontal
6	12152.63	39.84	-39.73	39.11	-56.04	-25.00	31.04	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3472.18	45.49	-48.32	28.69	-69.40	-25.00	44.40	Vertical
2	5208.27	45.83	-47.88	32.00	-65.31	-25.00	40.31	Vertical
3	6944.36	44.97	-46.67	35.48	-61.48	-25.00	36.48	Vertical
4	8680.45	44.68	-44.09	37.15	-57.52	-25.00	32.52	Vertical
5	10416.54	40.17	-41.14	38.88	-57.35	-25.00	32.35	Vertical
6	12152.63	39.59	-39.73	39.11	-56.29	-25.00	31.29	Vertical



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Test Band = NSA 2A\_N66A\_TM1  
 Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3522.18	46.13	-48.29	28.73	-68.69	-25.00	43.69	Horizontal
2	5283.27	46.08	-47.80	32.18	-64.80	-25.00	39.80	Horizontal
3	7044.36	44.78	-46.26	35.71	-61.03	-25.00	36.03	Horizontal
4	8805.45	44.24	-43.99	37.33	-57.68	-25.00	32.68	Horizontal
5	10566.54	39.95	-41.05	39.01	-57.35	-25.00	32.35	Horizontal
6	12327.63	39.43	-39.68	39.00	-56.51	-25.00	31.51	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3522.18	45.36	-48.29	28.73	-69.46	-25.00	44.46	Vertical
2	5283.27	45.78	-47.80	32.18	-65.10	-25.00	40.10	Vertical
3	7044.36	45.33	-46.26	35.71	-60.48	-25.00	35.48	Vertical
4	8805.45	43.85	-43.99	37.33	-58.07	-25.00	33.07	Vertical
5	10566.54	39.81	-41.05	39.01	-57.49	-25.00	32.49	Vertical
6	12327.63	39.93	-39.68	39.00	-56.01	-25.00	31.01	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

2) All antennas of RSE are tested, and only the worst data is presented.



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Report No.: SEWM2311000456RG02  
 Rev.: 01  
 Page: 113 of 982

4. 99% & 26dB Bandwidth

4.1 15k\_SISO\_5MHz\_NTNV

4.1.1 Test Result

5G NR n66 SCS=15kHz SISO 5MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	1712.5	Outer_Full	4.55	5.01	/	Pass
	1745	Outer_Full	4.55	5.00	/	Pass
	1777.5	Outer_Full	4.55	5.00	/	Pass
DFT-s-OFDM QPSK	1712.5	Outer_Full	4.56	5.01	/	Pass
	1745	Outer_Full	4.56	5.00	/	Pass
	1777.5	Outer_Full	4.56	5.01	/	Pass
DFT-s-OFDM 16 QAM	1712.5	Outer_Full	4.53	5.01	/	Pass
	1745	Outer_Full	4.54	5.02	/	Pass
	1777.5	Outer_Full	4.54	5.01	/	Pass
DFT-s-OFDM 64 QAM	1712.5	Outer_Full	4.55	5.00	/	Pass
	1745	Outer_Full	4.56	5.00	/	Pass
	1777.5	Outer_Full	4.56	5.01	/	Pass
DFT-s-OFDM 256 QAM	1712.5	Outer_Full	4.54	5.01	/	Pass
	1745	Outer_Full	4.54	5.01	/	Pass
	1777.5	Outer_Full	4.53	5.01	/	Pass
CP-OFDM QPSK	1712.5	Outer_Full	4.51	5.00	/	Pass
	1745	Outer_Full	4.51	4.99	/	Pass
	1777.5	Outer_Full	4.52	4.99	/	Pass
CP-OFDM 16 QAM	1712.5	Outer_Full	4.53	4.98	/	Pass
	1745	Outer_Full	4.54	4.99	/	Pass
	1777.5	Outer_Full	4.53	4.98	/	Pass
CP-OFDM 64 QAM	1712.5	Outer_Full	4.51	4.99	/	Pass
	1745	Outer_Full	4.52	5.00	/	Pass
	1777.5	Outer_Full	4.51	5.00	/	Pass
CP-OFDM 256 QAM	1712.5	Outer_Full	4.52	5.01	/	Pass
	1745	Outer_Full	4.52	5.00	/	Pass
	1777.5	Outer_Full	4.52	4.99	/	Pass

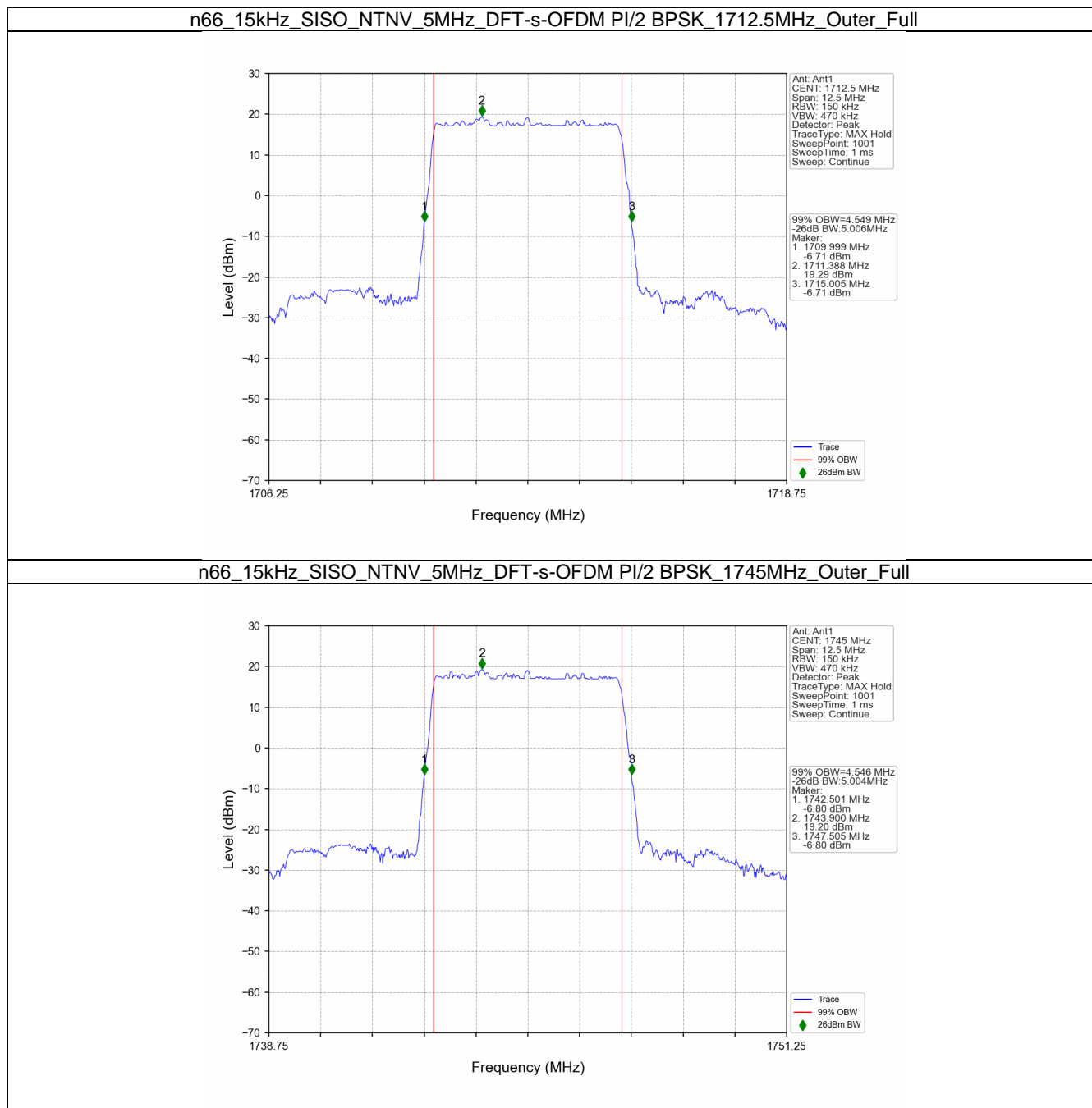


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4.1.2 Test Graph

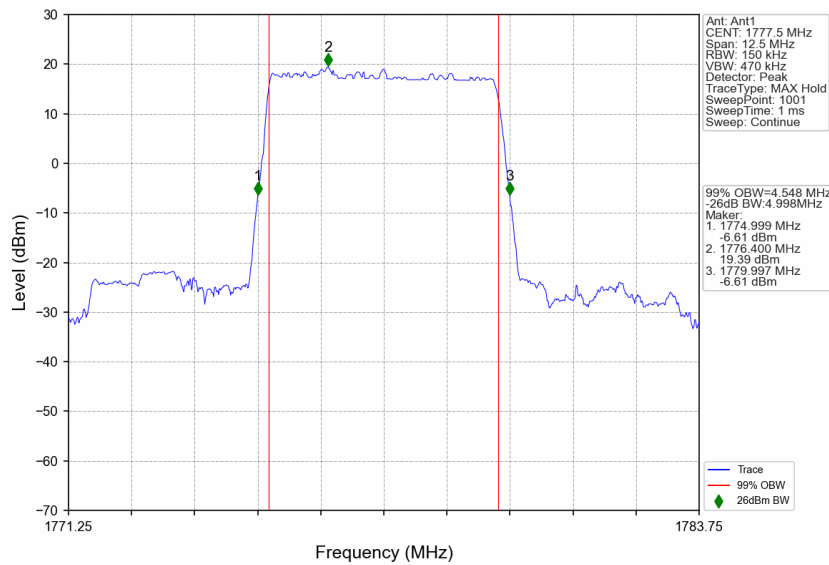


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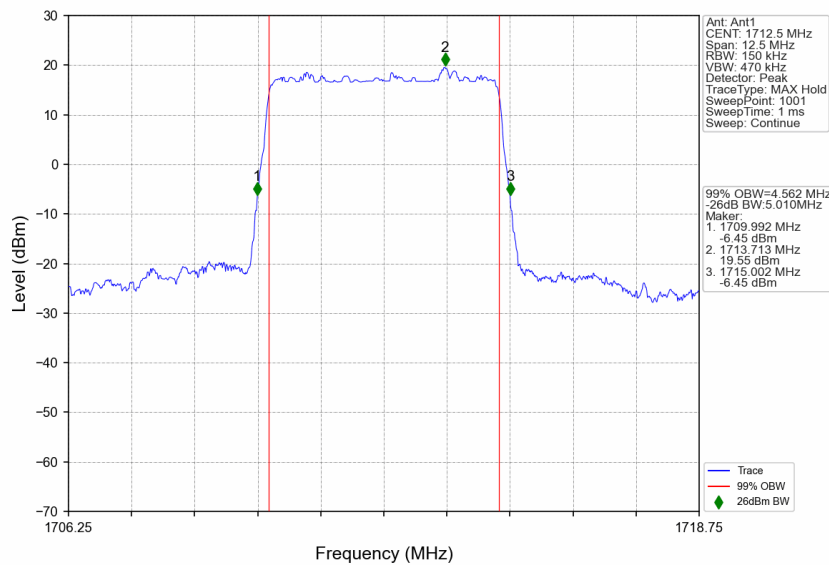
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n66\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM PI/2 BPSK\_1777.5MHz\_Outer\_Full



n66\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK\_1712.5MHz\_Outer\_Full



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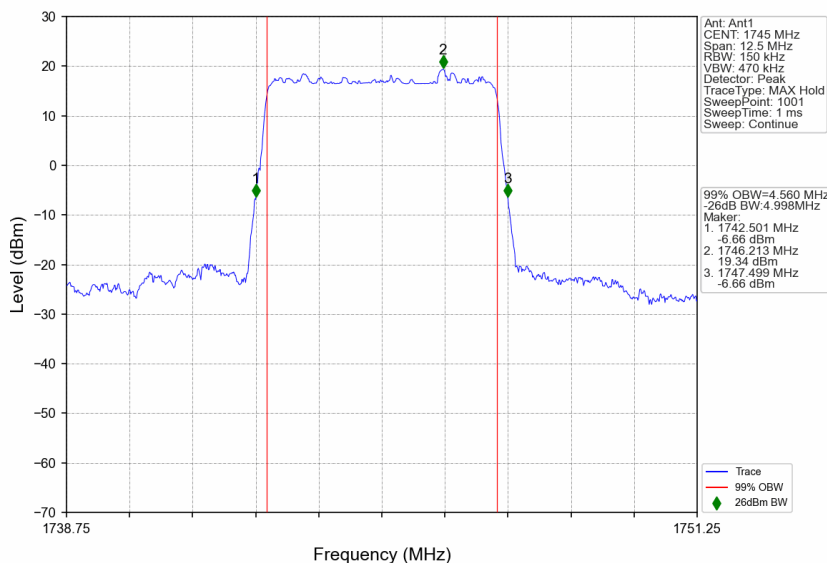
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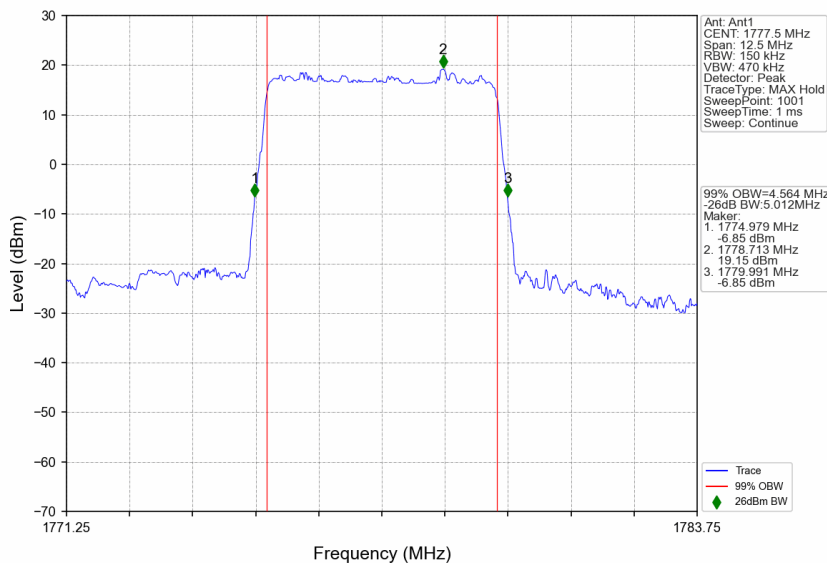
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n66\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK\_1745MHz\_Outer\_Full



n66\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM QPSK\_1777.5MHz\_Outer\_Full

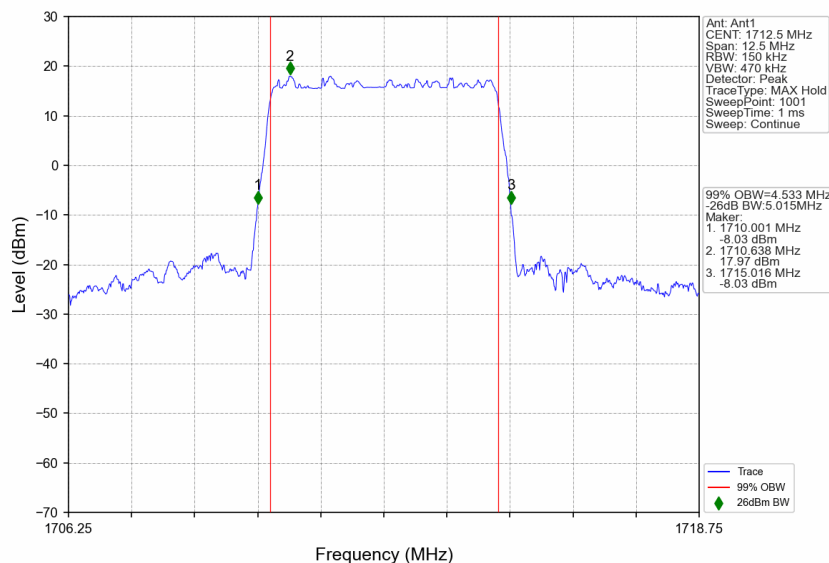


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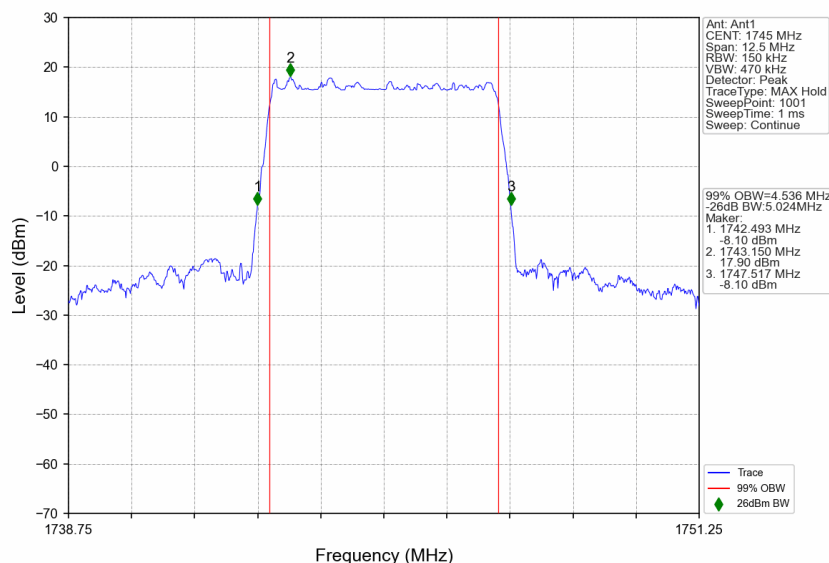
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n66\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM 16 QAM\_1712.5MHz\_Outer\_Full



n66\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM 16 QAM\_1745MHz\_Outer\_Full

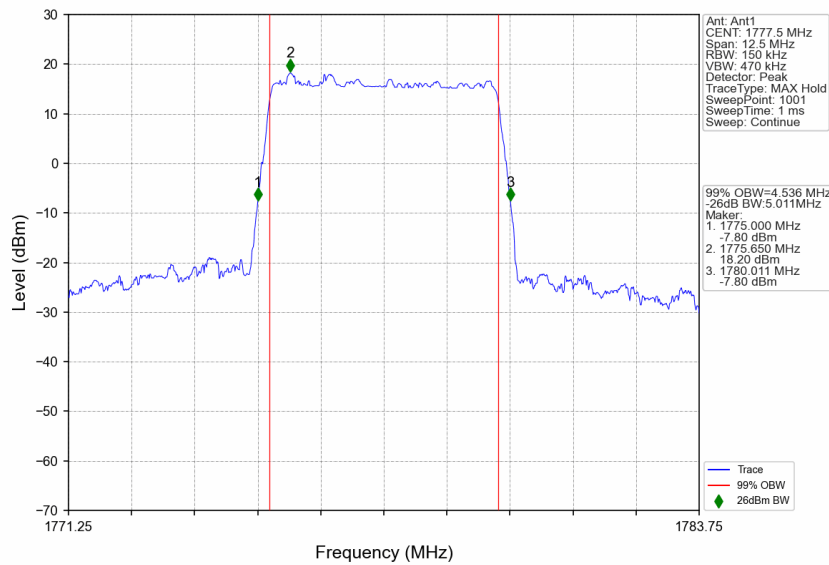


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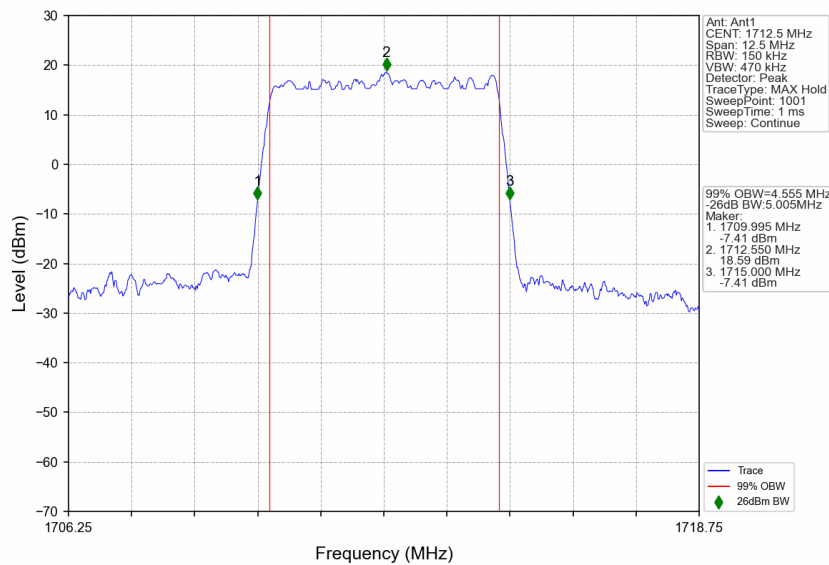
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n66\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM 16 QAM\_1777.5MHz\_Outer\_Full



n66\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM 64 QAM\_1712.5MHz\_Outer\_Full



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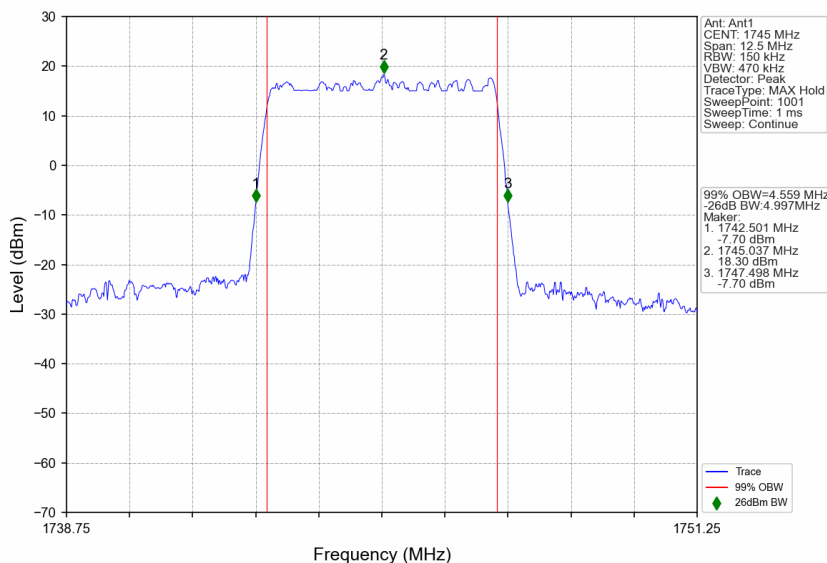
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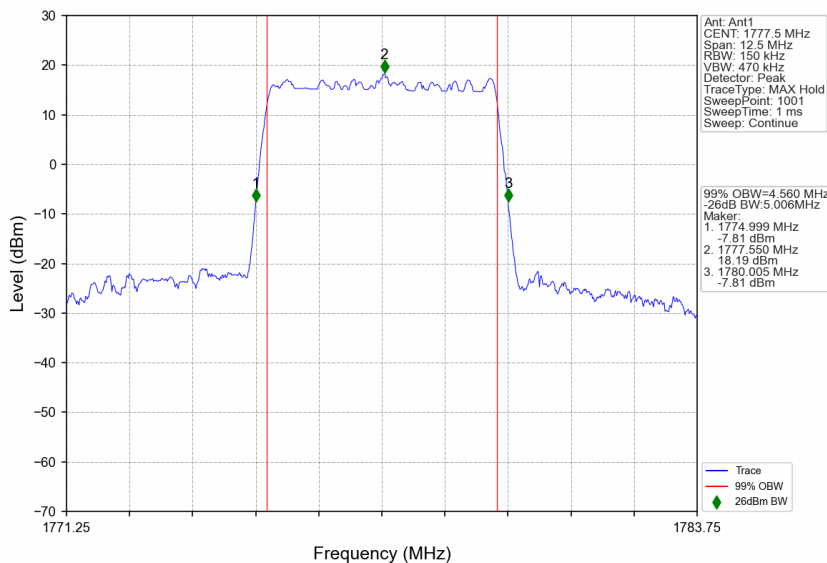
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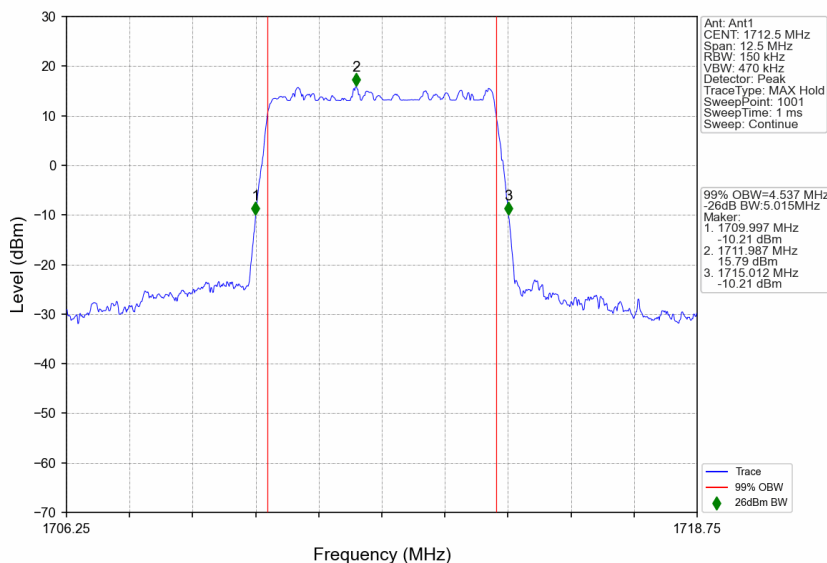


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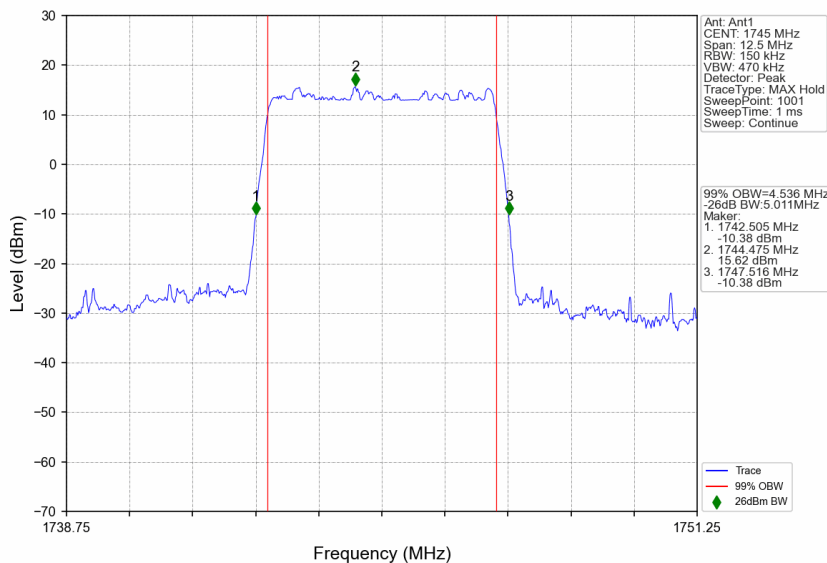
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n66\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM 256 QAM\_1712.5MHz\_Outer\_Full



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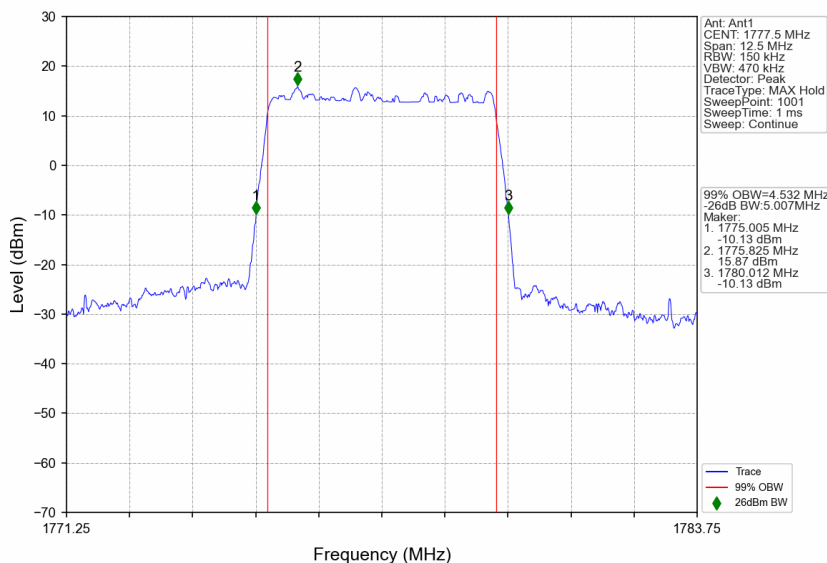
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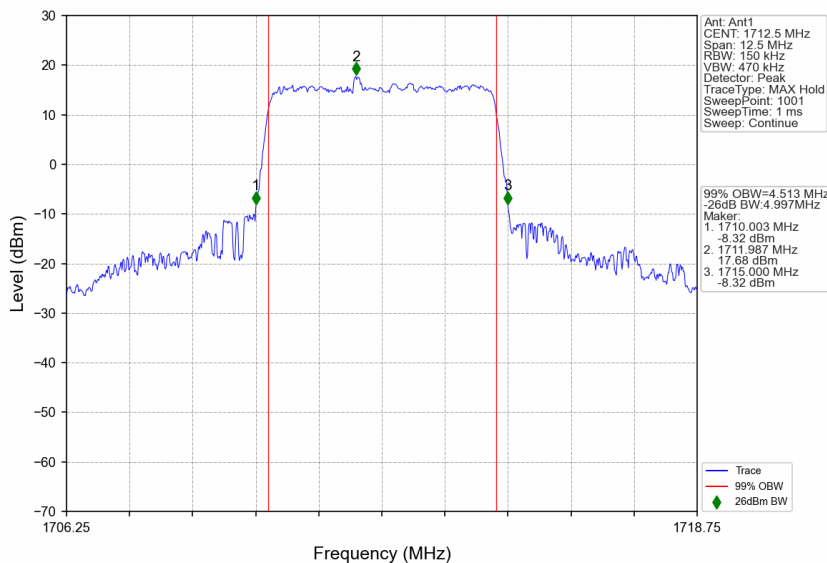
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n66\_15kHz\_SISO\_NTNV\_5MHz\_DFT-s-OFDM 256 QAM\_1777.5MHz\_Outer\_Full



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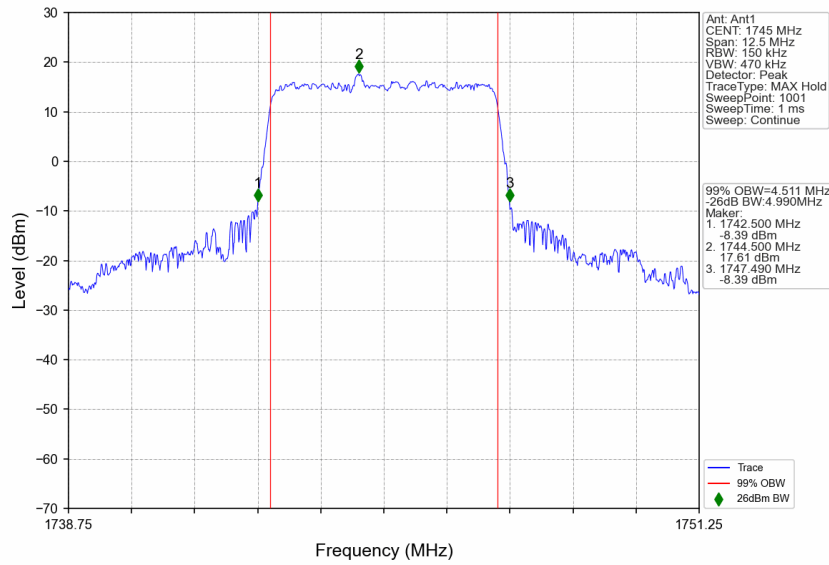
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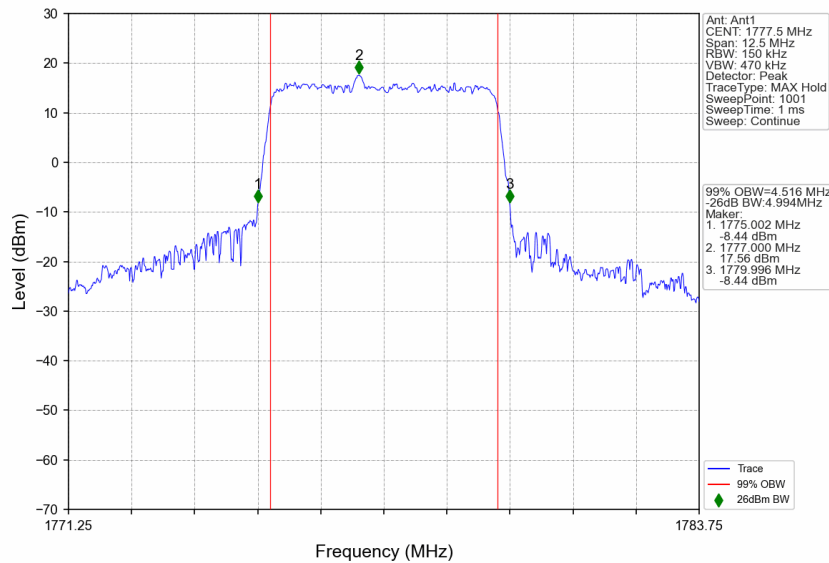
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n66\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM QPSK\_1745MHz\_Outer\_Full



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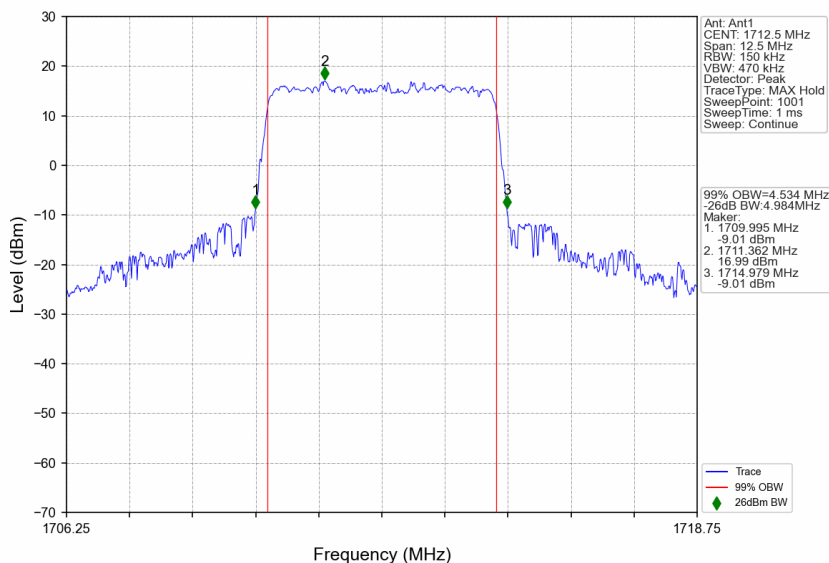


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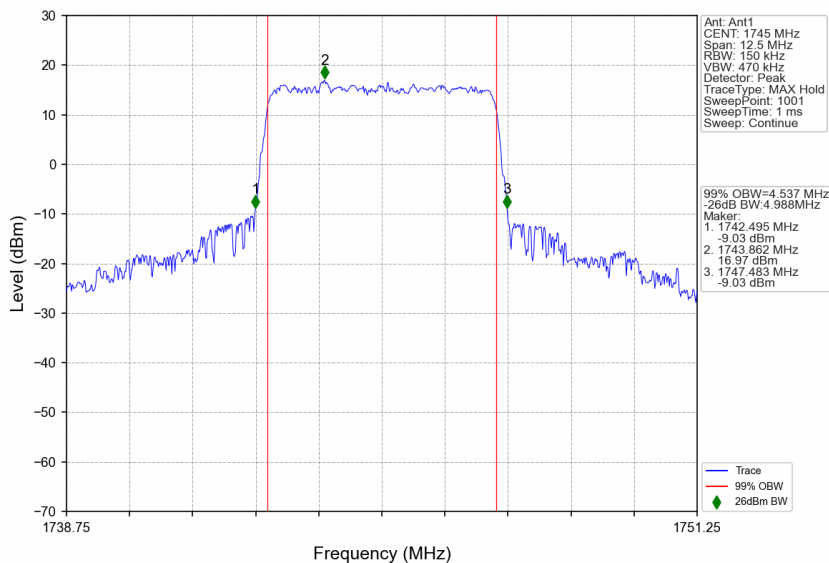
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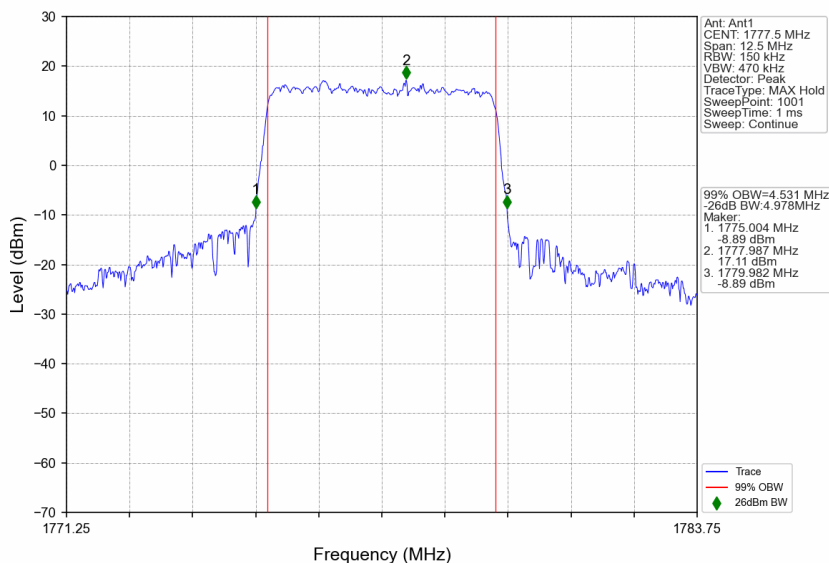
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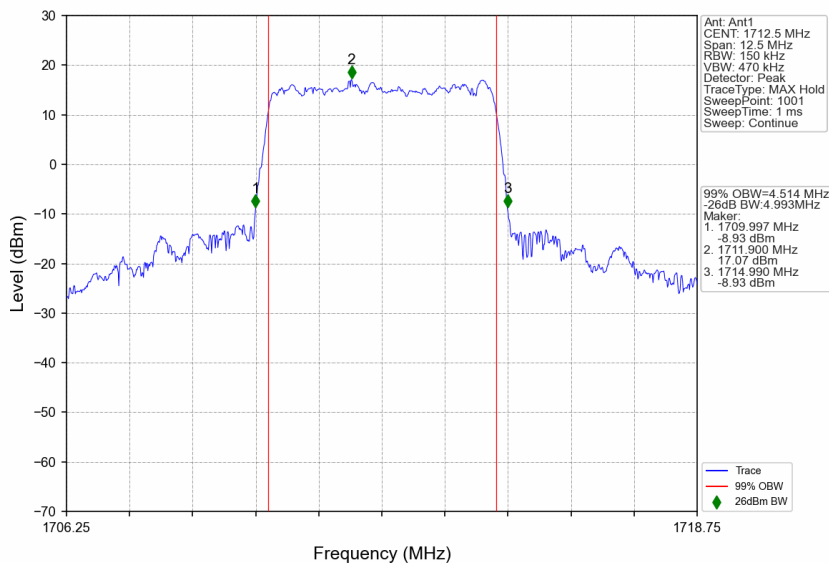
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n66\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM 64 QAM\_1712.5MHz\_Outer\_Full



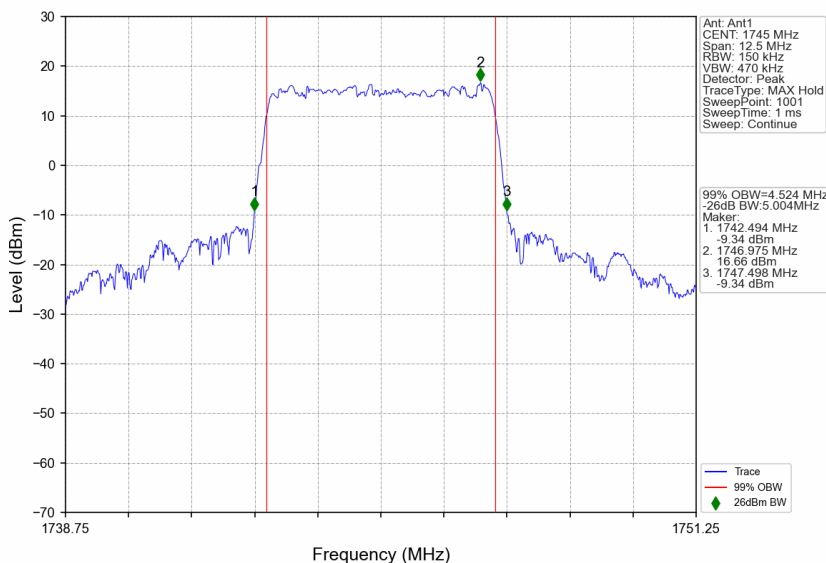
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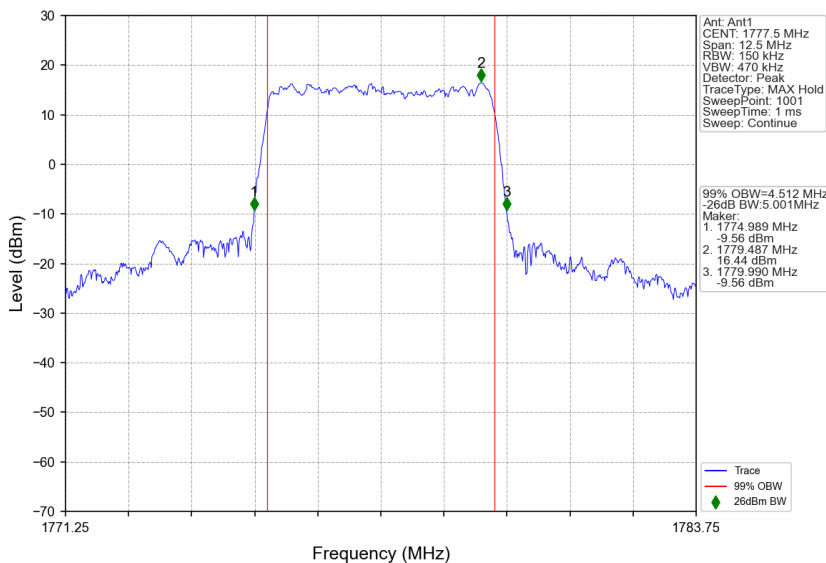
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n66\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM 64 QAM\_1745MHz\_Outer\_Full



n66\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM 64 QAM\_1777.5MHz\_Outer\_Full



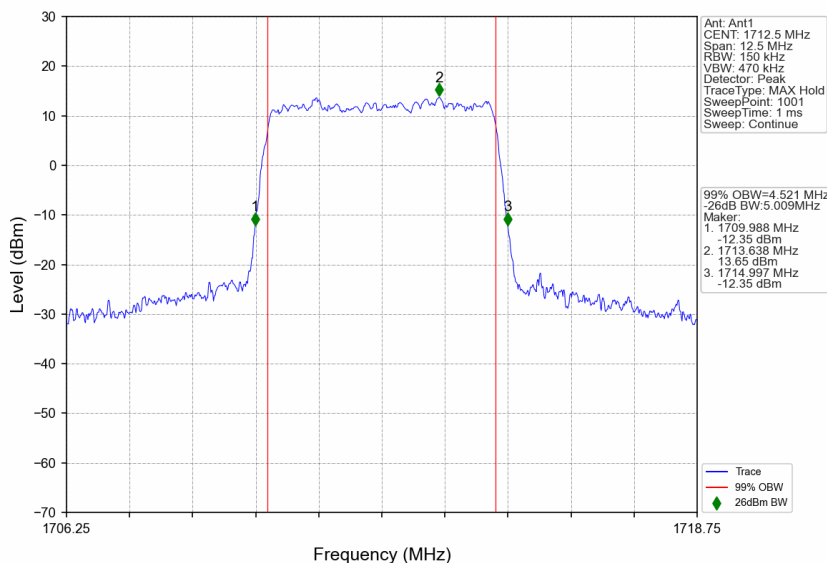
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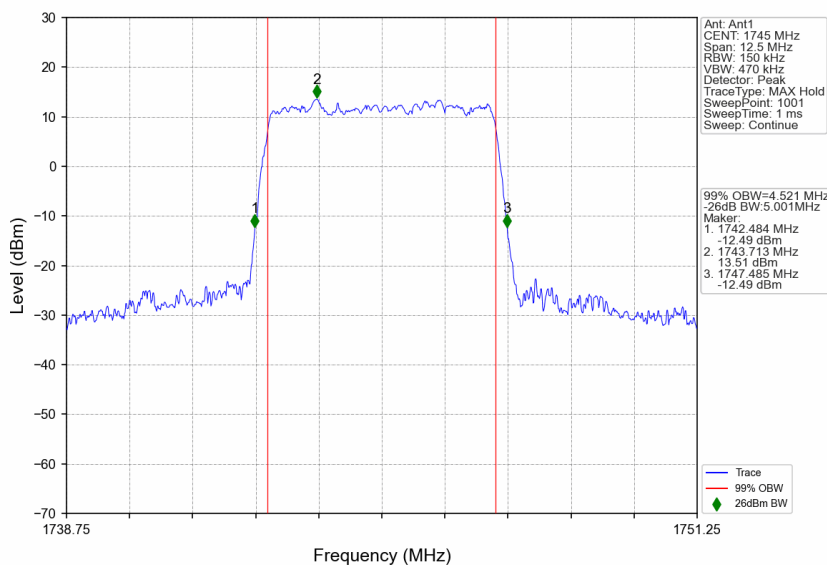
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n66\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM 256 QAM\_1712.5MHz\_Outer\_Full



n66\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM 256 QAM\_1745MHz\_Outer\_Full

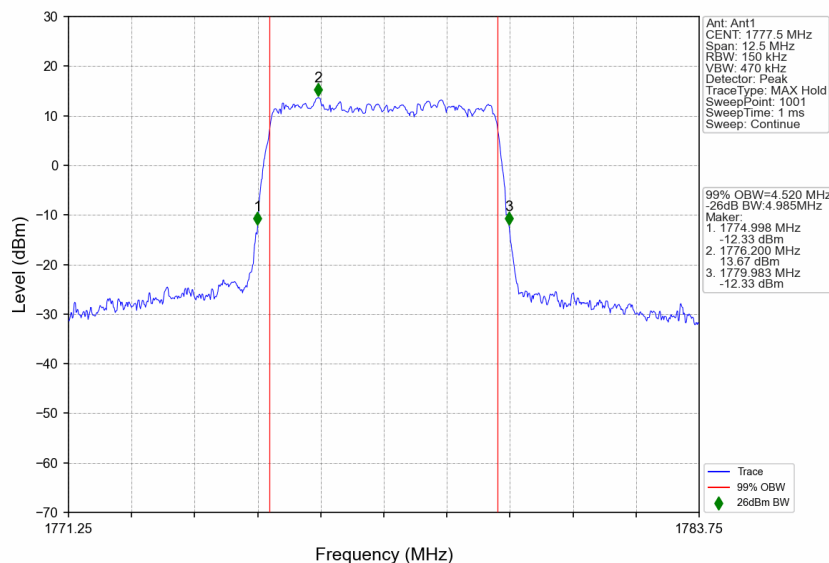


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n66\_15kHz\_SISO\_NTNV\_5MHz\_CP-OFDM 256 QAM\_1777.5MHz\_Outer\_Full



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## 4.2 15k\_SISO\_10MHz\_NTNV

### 4.2.1 Test Result

5G NR n66 SCS=15kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	1715	Outer_Full	9.10	9.74	/	Pass
	1745	Outer_Full	9.09	9.75	/	Pass
	1775	Outer_Full	9.09	9.76	/	Pass
DFT-s-OFDM QPSK	1715	Outer_Full	9.02	9.68	/	Pass
	1745	Outer_Full	9.02	9.70	/	Pass
	1775	Outer_Full	9.03	9.66	/	Pass
DFT-s-OFDM 16 QAM	1715	Outer_Full	9.02	9.73	/	Pass
	1745	Outer_Full	9.01	9.70	/	Pass
	1775	Outer_Full	9.01	9.72	/	Pass
DFT-s-OFDM 64 QAM	1715	Outer_Full	9.04	9.74	/	Pass
	1745	Outer_Full	9.04	9.74	/	Pass
	1775	Outer_Full	9.05	9.75	/	Pass
DFT-s-OFDM 256 QAM	1715	Outer_Full	9.01	9.68	/	Pass
	1745	Outer_Full	9.00	9.68	/	Pass
	1775	Outer_Full	9.00	9.69	/	Pass
CP-OFDM QPSK	1715	Outer_Full	9.34	10.07	/	Pass
	1745	Outer_Full	9.34	10.08	/	Pass
	1775	Outer_Full	9.34	10.06	/	Pass
CP-OFDM 16 QAM	1715	Outer_Full	9.36	10.12	/	Pass
	1745	Outer_Full	9.37	10.05	/	Pass
	1775	Outer_Full	9.36	10.08	/	Pass
CP-OFDM 64 QAM	1715	Outer_Full	9.37	10.05	/	Pass
	1745	Outer_Full	9.37	10.06	/	Pass
	1775	Outer_Full	9.39	10.09	/	Pass
CP-OFDM 256 QAM	1715	Outer_Full	9.37	10.06	/	Pass
	1745	Outer_Full	9.37	10.06	/	Pass
	1775	Outer_Full	9.37	10.07	/	Pass

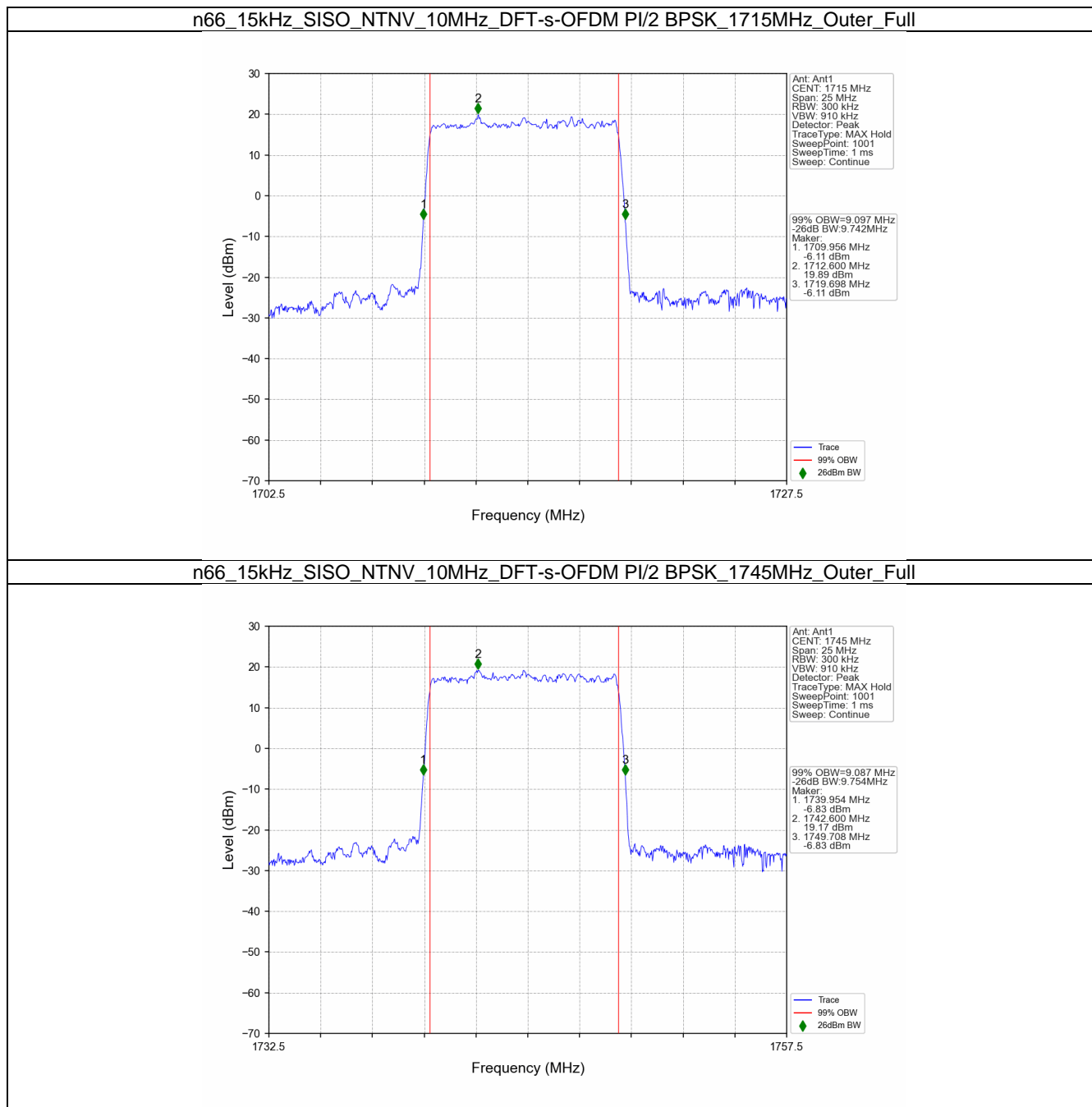


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4.2.2 Test Graph



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