

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15k_SISO_5MHz_NTNV_EIRP

5G NR n70 SCS=15kHz SISO 5MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1697.5	Outer_Full	22.98	/	/	24.98	/	/	<=30	Pass
		Inner_Full	23.55	/	/	25.55	/	/	<=30	Pass
		Inner_1RB_Left	23.48	/	/	25.48	/	/	<=30	Pass
		Inner_1RB_Right	23.55	/	/	25.55	/	/	<=30	Pass
	1702.5	Outer_Full	22.95	/	/	24.95	/	/	<=30	Pass
		Inner_Full	23.51	/	/	25.51	/	/	<=30	Pass
		Inner_1RB_Left	23.52	/	/	25.52	/	/	<=30	Pass
		Inner_1RB_Right	23.52	/	/	25.52	/	/	<=30	Pass
	1707.5	Outer_Full	22.97	/	/	24.97	/	/	<=30	Pass
		Inner_Full	23.51	/	/	25.51	/	/	<=30	Pass
		Inner_1RB_Left	23.49	/	/	25.49	/	/	<=30	Pass
		Inner_1RB_Right	23.52	/	/	25.52	/	/	<=30	Pass
DFT-s-OFDM QPSK	1697.5	Outer_Full	22.54	/	/	24.54	/	/	<=30	Pass
		Inner_Full	23.58	/	/	25.58	/	/	<=30	Pass
		Inner_1RB_Left	23.48	/	/	25.48	/	/	<=30	Pass
		Inner_1RB_Right	23.63	/	/	25.63	/	/	<=30	Pass
	1702.5	Outer_Full	22.56	/	/	24.56	/	/	<=30	Pass
		Inner_Full	23.55	/	/	25.55	/	/	<=30	Pass
		Inner_1RB_Left	23.51	/	/	25.51	/	/	<=30	Pass
		Inner_1RB_Right	23.55	/	/	25.55	/	/	<=30	Pass
	1707.5	Outer_Full	22.40	/	/	24.40	/	/	<=30	Pass
		Inner_Full	23.60	/	/	25.60	/	/	<=30	Pass
		Inner_1RB_Left	23.57	/	/	25.57	/	/	<=30	Pass
		Inner_1RB_Right	23.62	/	/	25.62	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	1697.5	Outer_Full	21.94	/	/	23.94	/	/	<=30	Pass
		Inner_Full	22.55	/	/	24.55	/	/	<=30	Pass
		Inner_1RB_Left	22.21	/	/	24.21	/	/	<=30	Pass
		Inner_1RB_Right	22.27	/	/	24.27	/	/	<=30	Pass
	1702.5	Outer_Full	21.91	/	/	23.91	/	/	<=30	Pass
		Inner_Full	22.51	/	/	24.51	/	/	<=30	Pass
		Inner_1RB_Left	22.25	/	/	24.25	/	/	<=30	Pass
		Inner_1RB_Right	22.28	/	/	24.28	/	/	<=30	Pass
	1707.5	Outer_Full	21.96	/	/	23.96	/	/	<=30	Pass
		Inner_Full	22.53	/	/	24.53	/	/	<=30	Pass
		Inner_1RB_Left	22.30	/	/	24.30	/	/	<=30	Pass
		Inner_1RB_Right	22.26	/	/	24.26	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	1697.5	Outer_Full	21.49	/	/	23.49	/	/	<=30	Pass
		Inner_Full	21.51	/	/	23.51	/	/	<=30	Pass
		Inner_1RB_Left	21.29	/	/	23.29	/	/	<=30	Pass
		Inner_1RB_Right	21.43	/	/	23.43	/	/	<=30	Pass
	1702.5	Outer_Full	21.41	/	/	23.41	/	/	<=30	Pass
		Inner_Full	21.40	/	/	23.40	/	/	<=30	Pass
		Inner_1RB_Left	21.30	/	/	23.30	/	/	<=30	Pass
		Inner_1RB_Right	21.37	/	/	23.37	/	/	<=30	Pass
	1707.5	Outer_Full	21.39	/	/	23.39	/	/	<=30	Pass
		Inner_Full	21.48	/	/	23.48	/	/	<=30	Pass
		Inner_1RB_Left	21.34	/	/	23.34	/	/	<=30	Pass
		Inner_1RB_Right	21.27	/	/	23.27	/	/	<=30	Pass
DFT-s-OFDM 256	1697.5	Outer_Full	19.60	/	/	21.60	/	/	<=30	Pass

QAM		Inner Full	19.52	/	/	21.52	/	/	<=30	Pass
		Inner 1RB Left	19.72	/	/	21.72	/	/	<=30	Pass
		Inner 1RB Right	19.69	/	/	21.69	/	/	<=30	Pass
	1702.5	Outer Full	19.49	/	/	21.49	/	/	<=30	Pass
		Inner Full	19.47	/	/	21.47	/	/	<=30	Pass
		Inner 1RB Left	19.78	/	/	21.78	/	/	<=30	Pass
		Inner 1RB Right	19.77	/	/	21.77	/	/	<=30	Pass
	1707.5	Outer Full	19.47	/	/	21.47	/	/	<=30	Pass
		Inner Full	19.53	/	/	21.53	/	/	<=30	Pass
		Inner 1RB Left	19.69	/	/	21.69	/	/	<=30	Pass
		Inner 1RB Right	19.65	/	/	21.65	/	/	<=30	Pass
CP-OFDM QPSK	1697.5	Outer Full	20.95	/	/	22.95	/	/	<=30	Pass
		Inner Full	22.54	/	/	24.54	/	/	<=30	Pass
		Inner 1RB Left	22.35	/	/	24.35	/	/	<=30	Pass
		Inner 1RB Right	22.29	/	/	24.29	/	/	<=30	Pass
	1702.5	Outer Full	21.02	/	/	23.02	/	/	<=30	Pass
		Inner Full	22.59	/	/	24.59	/	/	<=30	Pass
		Inner 1RB Left	22.36	/	/	24.36	/	/	<=30	Pass
		Inner 1RB Right	22.34	/	/	24.34	/	/	<=30	Pass
	1707.5	Outer Full	21.01	/	/	23.01	/	/	<=30	Pass
		Inner Full	22.54	/	/	24.54	/	/	<=30	Pass
		Inner 1RB Left	22.40	/	/	24.40	/	/	<=30	Pass
		Inner 1RB Right	22.32	/	/	24.32	/	/	<=30	Pass
CP-OFDM 16 QAM	1697.5	Outer Full	20.90	/	/	22.90	/	/	<=30	Pass
		Inner Full	22.17	/	/	24.17	/	/	<=30	Pass
		Inner 1RB Left	22.09	/	/	24.09	/	/	<=30	Pass
		Inner 1RB Right	22.00	/	/	24.00	/	/	<=30	Pass
	1702.5	Outer Full	20.98	/	/	22.98	/	/	<=30	Pass
		Inner Full	22.18	/	/	24.18	/	/	<=30	Pass
		Inner 1RB Left	22.00	/	/	24.00	/	/	<=30	Pass
		Inner 1RB Right	21.98	/	/	23.98	/	/	<=30	Pass
	1707.5	Outer Full	20.97	/	/	22.97	/	/	<=30	Pass
		Inner Full	22.16	/	/	24.16	/	/	<=30	Pass
		Inner 1RB Left	22.00	/	/	24.00	/	/	<=30	Pass
		Inner 1RB Right	22.05	/	/	24.05	/	/	<=30	Pass
CP-OFDM 64 QAM	1697.5	Outer Full	20.46	/	/	22.46	/	/	<=30	Pass
		Inner Full	20.53	/	/	22.53	/	/	<=30	Pass
		Inner 1RB Left	20.42	/	/	22.42	/	/	<=30	Pass
		Inner 1RB Right	20.35	/	/	22.35	/	/	<=30	Pass
	1702.5	Outer Full	20.44	/	/	22.44	/	/	<=30	Pass
		Inner Full	20.64	/	/	22.64	/	/	<=30	Pass
		Inner 1RB Left	20.47	/	/	22.47	/	/	<=30	Pass
		Inner 1RB Right	20.36	/	/	22.36	/	/	<=30	Pass
	1707.5	Outer Full	20.43	/	/	22.43	/	/	<=30	Pass
		Inner Full	20.54	/	/	22.54	/	/	<=30	Pass
		Inner 1RB Left	20.46	/	/	22.46	/	/	<=30	Pass
		Inner 1RB Right	20.45	/	/	22.45	/	/	<=30	Pass
CP-OFDM 256 QAM	1697.5	Outer Full	17.51	/	/	19.51	/	/	<=30	Pass
		Inner Full	17.29	/	/	19.29	/	/	<=30	Pass
		Inner 1RB Left	17.82	/	/	19.82	/	/	<=30	Pass
		Inner 1RB Right	17.72	/	/	19.72	/	/	<=30	Pass
	1702.5	Outer Full	17.47	/	/	19.47	/	/	<=30	Pass
		Inner Full	17.32	/	/	19.32	/	/	<=30	Pass
		Inner 1RB Left	17.80	/	/	19.80	/	/	<=30	Pass
		Inner 1RB Right	17.84	/	/	19.84	/	/	<=30	Pass
	1707.5	Outer Full	17.42	/	/	19.42	/	/	<=30	Pass
		Inner Full	17.32	/	/	19.32	/	/	<=30	Pass
		Inner 1RB Left	17.80	/	/	19.80	/	/	<=30	Pass
		Inner 1RB Right	17.76	/	/	19.76	/	/	<=30	Pass

Note1: Antenna Gain: Ant1: 2.00dBi; Ant2: 2.00dBi;
Note2: EIRP=Conducted Power+Antenna Gain

1.1.2 15k_SISO_10MHz_NTNV_EIRP

5G NR n70 SCS=15kHz SISO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1700	Outer_Full	22.97	/	/	24.97	/	/	<=30	Pass
		Inner_Full	23.46	/	/	25.46	/	/	<=30	Pass
		Inner_1RB_Left	23.40	/	/	25.40	/	/	<=30	Pass
		Inner_1RB_Right	23.62	/	/	25.62	/	/	<=30	Pass
	1702.5	Outer_Full	23.00	/	/	25.00	/	/	<=30	Pass
		Inner_Full	23.57	/	/	25.57	/	/	<=30	Pass
		Inner_1RB_Left	23.51	/	/	25.51	/	/	<=30	Pass
		Inner_1RB_Right	23.58	/	/	25.58	/	/	<=30	Pass
	1705	Outer_Full	22.96	/	/	24.96	/	/	<=30	Pass
		Inner_Full	23.51	/	/	25.51	/	/	<=30	Pass
		Inner_1RB_Left	23.51	/	/	25.51	/	/	<=30	Pass
		Inner_1RB_Right	23.59	/	/	25.59	/	/	<=30	Pass
DFT-s-OFDM QPSK	1700	Outer_Full	22.42	/	/	24.42	/	/	<=30	Pass
		Inner_Full	23.51	/	/	25.51	/	/	<=30	Pass
		Inner_1RB_Left	23.49	/	/	25.49	/	/	<=30	Pass
		Inner_1RB_Right	23.55	/	/	25.55	/	/	<=30	Pass
	1702.5	Outer_Full	22.43	/	/	24.43	/	/	<=30	Pass
		Inner_Full	23.53	/	/	25.53	/	/	<=30	Pass
		Inner_1RB_Left	23.48	/	/	25.48	/	/	<=30	Pass
		Inner_1RB_Right	23.55	/	/	25.55	/	/	<=30	Pass
	1705	Outer_Full	22.49	/	/	24.49	/	/	<=30	Pass
		Inner_Full	23.56	/	/	25.56	/	/	<=30	Pass
		Inner_1RB_Left	23.53	/	/	25.53	/	/	<=30	Pass
		Inner_1RB_Right	23.69	/	/	25.69	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	1700	Outer_Full	21.99	/	/	23.99	/	/	<=30	Pass
		Inner_Full	22.50	/	/	24.50	/	/	<=30	Pass
		Inner_1RB_Left	22.20	/	/	24.20	/	/	<=30	Pass
		Inner_1RB_Right	22.31	/	/	24.31	/	/	<=30	Pass
	1702.5	Outer_Full	21.94	/	/	23.94	/	/	<=30	Pass
		Inner_Full	22.49	/	/	24.49	/	/	<=30	Pass
		Inner_1RB_Left	22.19	/	/	24.19	/	/	<=30	Pass
		Inner_1RB_Right	22.34	/	/	24.34	/	/	<=30	Pass
	1705	Outer_Full	21.97	/	/	23.97	/	/	<=30	Pass
		Inner_Full	22.46	/	/	24.46	/	/	<=30	Pass
		Inner_1RB_Left	22.28	/	/	24.28	/	/	<=30	Pass
		Inner_1RB_Right	22.30	/	/	24.30	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	1700	Outer_Full	21.58	/	/	23.58	/	/	<=30	Pass
		Inner_Full	21.55	/	/	23.55	/	/	<=30	Pass
		Inner_1RB_Left	21.36	/	/	23.36	/	/	<=30	Pass
		Inner_1RB_Right	21.41	/	/	23.41	/	/	<=30	Pass
	1702.5	Outer_Full	21.48	/	/	23.48	/	/	<=30	Pass
		Inner_Full	21.45	/	/	23.45	/	/	<=30	Pass
		Inner_1RB_Left	21.27	/	/	23.27	/	/	<=30	Pass
		Inner_1RB_Right	21.32	/	/	23.32	/	/	<=30	Pass
	1705	Outer_Full	21.51	/	/	23.51	/	/	<=30	Pass
		Inner_Full	21.49	/	/	23.49	/	/	<=30	Pass
		Inner_1RB_Left	21.29	/	/	23.29	/	/	<=30	Pass
		Inner_1RB_Right	21.37	/	/	23.37	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	1700	Outer_Full	19.35	/	/	21.35	/	/	<=30	Pass
		Inner_Full	19.51	/	/	21.51	/	/	<=30	Pass

		Inner 1RB Left	19.78	/	/	21.78	/	/	<=30	Pass
		Inner 1RB Right	19.79	/	/	21.79	/	/	<=30	Pass
	1702.5	Outer Full	19.44	/	/	21.44	/	/	<=30	Pass
		Inner Full	19.56	/	/	21.56	/	/	<=30	Pass
		Inner 1RB Left	19.69	/	/	21.69	/	/	<=30	Pass
		Inner 1RB Right	19.70	/	/	21.70	/	/	<=30	Pass
	1705	Outer Full	19.39	/	/	21.39	/	/	<=30	Pass
		Inner Full	19.43	/	/	21.43	/	/	<=30	Pass
		Inner 1RB Left	19.72	/	/	21.72	/	/	<=30	Pass
		Inner 1RB Right	19.82	/	/	21.82	/	/	<=30	Pass
CP-OFDM QPSK	1700	Outer Full	21.04	/	/	23.04	/	/	<=30	Pass
		Inner Full	22.45	/	/	24.45	/	/	<=30	Pass
		Inner 1RB Left	22.40	/	/	24.40	/	/	<=30	Pass
		Inner 1RB Right	22.40	/	/	24.40	/	/	<=30	Pass
	1702.5	Outer Full	21.01	/	/	23.01	/	/	<=30	Pass
		Inner Full	22.53	/	/	24.53	/	/	<=30	Pass
		Inner 1RB Left	22.48	/	/	24.48	/	/	<=30	Pass
		Inner 1RB Right	22.61	/	/	24.61	/	/	<=30	Pass
	1705	Outer Full	20.99	/	/	22.99	/	/	<=30	Pass
		Inner Full	22.45	/	/	24.45	/	/	<=30	Pass
		Inner 1RB Left	22.54	/	/	24.54	/	/	<=30	Pass
		Inner 1RB Right	22.58	/	/	24.58	/	/	<=30	Pass
CP-OFDM 16 QAM	1700	Outer Full	21.00	/	/	23.00	/	/	<=30	Pass
		Inner Full	22.09	/	/	24.09	/	/	<=30	Pass
		Inner 1RB Left	21.72	/	/	23.72	/	/	<=30	Pass
		Inner 1RB Right	21.78	/	/	23.78	/	/	<=30	Pass
	1702.5	Outer Full	20.95	/	/	22.95	/	/	<=30	Pass
		Inner Full	22.05	/	/	24.05	/	/	<=30	Pass
		Inner 1RB Left	21.74	/	/	23.74	/	/	<=30	Pass
		Inner 1RB Right	21.89	/	/	23.89	/	/	<=30	Pass
	1705	Outer Full	21.01	/	/	23.01	/	/	<=30	Pass
		Inner Full	21.98	/	/	23.98	/	/	<=30	Pass
		Inner 1RB Left	21.78	/	/	23.78	/	/	<=30	Pass
		Inner 1RB Right	21.87	/	/	23.87	/	/	<=30	Pass
CP-OFDM 64 QAM	1700	Outer Full	20.51	/	/	22.51	/	/	<=30	Pass
		Inner Full	20.47	/	/	22.47	/	/	<=30	Pass
		Inner 1RB Left	20.44	/	/	22.44	/	/	<=30	Pass
		Inner 1RB Right	20.38	/	/	22.38	/	/	<=30	Pass
	1702.5	Outer Full	20.41	/	/	22.41	/	/	<=30	Pass
		Inner Full	20.47	/	/	22.47	/	/	<=30	Pass
		Inner 1RB Left	20.32	/	/	22.32	/	/	<=30	Pass
		Inner 1RB Right	20.46	/	/	22.46	/	/	<=30	Pass
	1705	Outer Full	20.45	/	/	22.45	/	/	<=30	Pass
		Inner Full	20.50	/	/	22.50	/	/	<=30	Pass
		Inner 1RB Left	20.39	/	/	22.39	/	/	<=30	Pass
		Inner 1RB Right	20.36	/	/	22.36	/	/	<=30	Pass
CP-OFDM 256 QAM	1700	Outer Full	17.46	/	/	19.46	/	/	<=30	Pass
		Inner Full	17.50	/	/	19.50	/	/	<=30	Pass
		Inner 1RB Left	17.77	/	/	19.77	/	/	<=30	Pass
		Inner 1RB Right	17.88	/	/	19.88	/	/	<=30	Pass
	1702.5	Outer Full	17.43	/	/	19.43	/	/	<=30	Pass
		Inner Full	17.47	/	/	19.47	/	/	<=30	Pass
		Inner 1RB Left	17.79	/	/	19.79	/	/	<=30	Pass
		Inner 1RB Right	17.86	/	/	19.86	/	/	<=30	Pass
	1705	Outer Full	17.44	/	/	19.44	/	/	<=30	Pass
		Inner Full	17.40	/	/	19.40	/	/	<=30	Pass
		Inner 1RB Left	17.82	/	/	19.82	/	/	<=30	Pass
		Inner 1RB Right	17.83	/	/	19.83	/	/	<=30	Pass

Note1: Antenna Gain: Ant1: 2.00dBi; Ant2: 2.00dBi;

Note2: EIRP=Conducted Power+Antenna Gain
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1.1.3 15k_SISO_15MHz_NTNV_EIRP

5G NR n70 SCS=15kHz SISO 15MHz NTN										
Modulation	Frequency (MHz)	RB	Conducted Power(dBm)			EIRP(dBm)				Verdict
		Allocation	Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1702.5	Outer_Full	22.99	/	/	24.99	/	/	<=30	Pass
		Inner_Full	23.61	/	/	25.61	/	/	<=30	Pass
		Inner_1RB_Left	23.42	/	/	25.42	/	/	<=30	Pass
		Inner_1RB_Right	23.56	/	/	25.56	/	/	<=30	Pass
DFT-s-OFDM QPSK	1702.5	Outer_Full	22.50	/	/	24.50	/	/	<=30	Pass
		Inner_Full	23.57	/	/	25.57	/	/	<=30	Pass
		Inner_1RB_Left	23.44	/	/	25.44	/	/	<=30	Pass
		Inner_1RB_Right	23.61	/	/	25.61	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	1702.5	Outer_Full	21.99	/	/	23.99	/	/	<=30	Pass
		Inner_Full	22.48	/	/	24.48	/	/	<=30	Pass
		Inner_1RB_Left	22.19	/	/	24.19	/	/	<=30	Pass
		Inner_1RB_Right	22.26	/	/	24.26	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	1702.5	Outer_Full	21.50	/	/	23.50	/	/	<=30	Pass
		Inner_Full	21.44	/	/	23.44	/	/	<=30	Pass
		Inner_1RB_Left	21.28	/	/	23.28	/	/	<=30	Pass
		Inner_1RB_Right	21.37	/	/	23.37	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	1702.5	Outer_Full	19.40	/	/	21.40	/	/	<=30	Pass
		Inner_Full	19.42	/	/	21.42	/	/	<=30	Pass
		Inner_1RB_Left	19.77	/	/	21.77	/	/	<=30	Pass
		Inner_1RB_Right	19.87	/	/	21.87	/	/	<=30	Pass
CP-OFDM QPSK	1702.5	Outer_Full	21.03	/	/	23.03	/	/	<=30	Pass
		Inner_Full	22.59	/	/	24.59	/	/	<=30	Pass
		Inner_1RB_Left	22.49	/	/	24.49	/	/	<=30	Pass
		Inner_1RB_Right	22.57	/	/	24.57	/	/	<=30	Pass
CP-OFDM 16 QAM	1702.5	Outer_Full	20.97	/	/	22.97	/	/	<=30	Pass
		Inner_Full	21.98	/	/	23.98	/	/	<=30	Pass
		Inner_1RB_Left	21.81	/	/	23.81	/	/	<=30	Pass
		Inner_1RB_Right	21.81	/	/	23.81	/	/	<=30	Pass
CP-OFDM 64 QAM	1702.5	Outer_Full	20.48	/	/	22.48	/	/	<=30	Pass
		Inner_Full	20.53	/	/	22.53	/	/	<=30	Pass
		Inner_1RB_Left	20.32	/	/	22.32	/	/	<=30	Pass
		Inner_1RB_Right	20.45	/	/	22.45	/	/	<=30	Pass
CP-OFDM 256 QAM	1702.5	Outer_Full	17.45	/	/	19.45	/	/	<=30	Pass
		Inner_Full	17.38	/	/	19.38	/	/	<=30	Pass
		Inner_1RB_Left	17.81	/	/	19.81	/	/	<=30	Pass
		Inner_1RB_Right	17.89	/	/	19.89	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 2.00dBi; Ant2: 2.00dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.4 15k_MIMO_5MHz_NTNV_EIRP

5G NR n70 SCS=15kHz MIMO 5MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1697.5	Outer_Full	19.72	19.79	22.77	21.72	21.79	24.77	<=30	Pass
		Inner_Full	20.29	20.36	23.34	22.29	22.36	25.34	<=30	Pass
		Inner_1RB_Left	20.31	20.37	23.35	22.31	22.37	25.35	<=30	Pass
		Inner_1RB_Right	20.25	20.34	23.31	22.25	22.34	25.31	<=30	Pass
	1702.5	Outer_Full	19.69	19.83	22.77	21.69	21.83	24.77	<=30	Pass

		Inner Full	20.26	20.41	23.35	22.26	22.41	25.35	<=30	Pass
		Inner 1RB Left	20.25	20.37	23.32	22.25	22.37	25.32	<=30	Pass
		Inner 1RB Right	20.17	20.33	23.26	22.17	22.33	25.26	<=30	Pass
	1707.5	Outer Full	19.60	19.76	22.69	21.60	21.76	24.69	<=30	Pass
		Inner Full	20.24	20.41	23.34	22.24	22.41	25.34	<=30	Pass
		Inner 1RB Left	20.22	20.38	23.31	22.22	22.38	25.31	<=30	Pass
		Inner 1RB Right	20.29	20.47	23.39	22.29	22.47	25.39	<=30	Pass
		Outer Full	19.26	19.33	22.30	21.26	21.33	24.31	<=30	Pass
		Inner Full	20.33	20.40	23.37	22.33	22.40	25.38	<=30	Pass
DFT-s-OFDM QPSK	1697.5	Inner 1RB Left	20.22	20.28	23.26	22.22	22.28	25.26	<=30	Pass
		Inner 1RB Right	20.12	20.22	23.18	22.12	22.22	25.18	<=30	Pass
		Outer Full	19.16	19.31	22.25	21.16	21.31	24.25	<=30	Pass
	1702.5	Inner Full	20.27	20.41	23.35	22.27	22.41	25.35	<=30	Pass
		Inner 1RB Left	20.13	20.25	23.20	22.13	22.25	25.20	<=30	Pass
		Inner 1RB Right	20.11	20.27	23.20	22.11	22.27	25.20	<=30	Pass
	1707.5	Outer Full	19.19	19.36	22.29	21.19	21.36	24.29	<=30	Pass
		Inner Full	20.24	20.40	23.33	22.24	22.40	25.33	<=30	Pass
		Inner 1RB Left	20.11	20.26	23.20	22.11	22.26	25.20	<=30	Pass
		Inner 1RB Right	20.15	20.32	23.24	22.15	22.32	25.25	<=30	Pass
		Outer Full	18.35	18.43	21.40	20.35	20.43	23.40	<=30	Pass
		Inner Full	19.36	19.44	22.41	21.36	21.44	24.41	<=30	Pass
DFT-s-OFDM 16 QAM	1697.5	Inner 1RB Left	19.35	19.41	22.39	21.35	21.41	24.39	<=30	Pass
		Inner 1RB Right	19.26	19.35	22.31	21.26	21.35	24.32	<=30	Pass
		Outer Full	18.19	18.33	21.27	20.19	20.33	23.27	<=30	Pass
	1702.5	Inner Full	19.32	19.46	22.40	21.32	21.46	24.40	<=30	Pass
		Inner 1RB Left	19.23	19.35	22.30	21.23	21.35	24.30	<=30	Pass
		Inner 1RB Right	19.20	19.36	22.29	21.20	21.36	24.29	<=30	Pass
	1707.5	Outer Full	18.16	18.32	21.25	20.16	20.32	23.25	<=30	Pass
		Inner Full	19.27	19.43	22.36	21.27	21.43	24.36	<=30	Pass
		Inner 1RB Left	19.27	19.42	22.36	21.27	21.42	24.36	<=30	Pass
		Inner 1RB Right	19.16	19.33	22.25	21.16	21.33	24.26	<=30	Pass
		Outer Full	17.69	17.76	20.74	19.69	19.76	22.74	<=30	Pass
		Inner Full	17.79	17.87	20.84	19.79	19.87	22.84	<=30	Pass
DFT-s-OFDM 64 QAM	1697.5	Inner 1RB Left	17.66	17.72	20.71	19.66	19.72	22.70	<=30	Pass
		Inner 1RB Right	18.13	18.23	21.19	20.13	20.23	23.19	<=30	Pass
		Outer Full	17.65	17.79	20.73	19.65	19.79	22.73	<=30	Pass
	1702.5	Inner Full	17.74	17.88	20.82	19.74	19.88	22.82	<=30	Pass
		Inner 1RB Left	17.66	17.78	20.73	19.66	19.78	22.73	<=30	Pass
		Inner 1RB Right	17.60	17.76	20.69	19.60	19.76	22.69	<=30	Pass
	1707.5	Outer Full	17.63	17.79	20.72	19.63	19.79	22.72	<=30	Pass
		Inner Full	17.65	17.82	20.74	19.65	19.82	22.75	<=30	Pass
		Inner 1RB Left	17.66	17.81	20.75	19.66	19.81	22.75	<=30	Pass
		Inner 1RB Right	17.67	17.85	20.77	19.67	19.85	22.77	<=30	Pass
		Outer Full	15.89	15.97	18.94	17.89	17.97	20.94	<=30	Pass
		Inner Full	15.71	15.79	18.76	17.71	17.79	20.76	<=30	Pass
DFT-s-OFDM 256 QAM	1697.5	Inner 1RB Left	16.12	16.17	19.16	18.12	18.17	21.16	<=30	Pass
		Inner 1RB Right	16.08	16.17	19.14	18.08	18.17	21.14	<=30	Pass
		Outer Full	15.80	15.95	18.89	17.80	17.95	20.89	<=30	Pass
	1702.5	Inner Full	15.73	15.87	18.81	17.73	17.87	20.81	<=30	Pass
		Inner 1RB Left	15.94	16.06	19.01	17.94	18.06	21.01	<=30	Pass
		Inner 1RB Right	15.84	16.01	18.94	17.84	18.01	20.94	<=30	Pass
	1707.5	Outer Full	15.85	16.02	18.94	17.85	18.02	20.95	<=30	Pass
		Inner Full	15.68	15.84	18.77	17.68	17.84	20.77	<=30	Pass
		Inner 1RB Left	16.16	16.32	19.25	18.16	18.32	21.25	<=30	Pass
		Inner 1RB Right	15.95	16.12	19.04	17.95	18.12	21.05	<=30	Pass
		Outer Full	17.23	17.30	20.28	19.23	19.30	22.28	<=30	Pass
		Inner Full	18.72	18.79	21.77	20.72	20.79	23.77	<=30	Pass
		Inner 1RB Left	18.82	18.88	21.86	20.82	20.88	23.86	<=30	Pass
CP-OFDM QPSK	1697.5	Inner 1RB Right	18.71	18.81	21.77	20.71	20.81	23.77	<=30	Pass

	1702.5	Outer_Full	17.12	17.26	20.20	19.12	19.26	22.20	<=30	Pass
		Inner_Full	18.68	18.82	21.76	20.68	20.82	23.76	<=30	Pass
		Inner_1RB_Left	18.67	18.79	21.74	20.67	20.79	23.74	<=30	Pass
		Inner_1RB_Right	18.53	18.69	21.62	20.53	20.69	23.62	<=30	Pass
	1707.5	Outer_Full	17.16	17.33	20.26	19.16	19.33	22.26	<=30	Pass
		Inner_Full	18.73	18.89	21.82	20.73	20.89	23.82	<=30	Pass
		Inner_1RB_Left	18.84	18.99	21.93	20.84	20.99	23.93	<=30	Pass
		Inner_1RB_Right	18.70	18.87	21.80	20.70	20.87	23.80	<=30	Pass
CP-OFDM 16 QAM	1697.5	Outer_Full	17.24	17.31	20.29	19.24	19.31	22.29	<=30	Pass
		Inner_Full	18.34	18.41	21.38	20.34	20.41	23.39	<=30	Pass
		Inner_1RB_Left	18.45	18.51	21.49	20.45	20.51	23.49	<=30	Pass
		Inner_1RB_Right	18.31	18.41	21.37	20.31	20.41	23.37	<=30	Pass
	1702.5	Outer_Full	17.10	17.24	20.18	19.10	19.24	22.18	<=30	Pass
		Inner_Full	18.25	18.39	21.33	20.25	20.39	23.33	<=30	Pass
		Inner_1RB_Left	18.10	18.22	21.17	20.10	20.22	23.17	<=30	Pass
		Inner_1RB_Right	18.02	18.18	21.11	20.02	20.18	23.11	<=30	Pass
	1707.5	Outer_Full	17.15	17.31	20.24	19.15	19.31	22.24	<=30	Pass
		Inner_Full	18.35	18.52	21.45	20.35	20.52	23.45	<=30	Pass
		Inner_1RB_Left	18.30	18.45	21.39	20.30	20.45	23.39	<=30	Pass
		Inner_1RB_Right	18.22	18.39	21.32	20.22	20.39	23.32	<=30	Pass
CP-OFDM 64 QAM	1697.5	Outer_Full	16.63	16.70	19.68	18.63	18.70	21.68	<=30	Pass
		Inner_Full	16.68	16.75	19.72	18.68	18.75	21.73	<=30	Pass
		Inner_1RB_Left	16.90	16.96	19.94	18.90	18.96	21.94	<=30	Pass
		Inner_1RB_Right	16.78	16.87	19.84	18.78	18.87	21.84	<=30	Pass
	1702.5	Outer_Full	16.60	16.74	19.68	18.60	18.74	21.68	<=30	Pass
		Inner_Full	16.69	16.84	19.78	18.69	18.84	21.78	<=30	Pass
		Inner_1RB_Left	16.89	17.01	19.97	18.89	19.01	21.96	<=30	Pass
		Inner_1RB_Right	16.40	16.56	19.49	18.40	18.56	21.49	<=30	Pass
	1707.5	Outer_Full	16.55	16.72	19.64	18.55	18.72	21.65	<=30	Pass
		Inner_Full	16.54	16.71	19.64	18.54	18.71	21.64	<=30	Pass
		Inner_1RB_Left	16.82	16.98	19.91	18.82	18.98	21.91	<=30	Pass
		Inner_1RB_Right	16.67	16.85	19.77	18.67	18.85	21.77	<=30	Pass
CP-OFDM 256 QAM	1697.5	Outer_Full	13.81	13.88	16.86	15.81	15.88	18.86	<=30	Pass
		Inner_Full	13.90	13.98	16.95	15.90	15.98	18.95	<=30	Pass
		Inner_1RB_Left	13.92	13.98	16.96	15.92	15.98	18.96	<=30	Pass
		Inner_1RB_Right	13.76	13.86	16.82	15.76	15.86	18.82	<=30	Pass
	1702.5	Outer_Full	13.79	13.94	16.88	15.79	15.94	18.88	<=30	Pass
		Inner_Full	13.85	14.00	16.93	15.85	16.00	18.94	<=30	Pass
		Inner_1RB_Left	13.79	13.91	16.86	15.79	15.91	18.86	<=30	Pass
		Inner_1RB_Right	13.72	13.89	16.82	15.72	15.89	18.82	<=30	Pass
	1707.5	Outer_Full	13.77	13.94	16.87	15.77	15.94	18.87	<=30	Pass
		Inner_Full	13.84	14.01	16.93	15.84	16.01	18.94	<=30	Pass
		Inner_1RB_Left	13.78	13.93	16.87	15.78	15.93	18.87	<=30	Pass
		Inner_1RB_Right	13.65	13.83	16.75	15.65	15.83	18.75	<=30	Pass
Note1: Antenna Gain: Ant1: 2.00dBi; Ant2: 2.00dBi; Note2: EIRP Ant_1=Conducted Power_1+Ant Gain_1 / EIRP Ant_2=Conducted Power_2+Ant Gain_2 / Sum=EIRP Ant_1+EIRP Ant_2										

1.1.5 15k_MIMO_10MHz_NTNV_EIRP

5G NR n70 SCS=15kHz MIMO 10MHz 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	1700	Outer_Full	19.73	19.82	22.78	21.73	21.82	24.79	<=30	Pass
		Inner_Full	20.37	20.46	23.42	22.37	22.46	25.43	<=30	Pass
		Inner_1RB_Left	20.29	20.34	23.32	22.29	22.34	25.33	<=30	Pass
		Inner_1RB_Right	20.40	20.55	23.49	22.40	22.55	25.49	<=30	Pass
	1702.5	Outer_Full	19.66	19.80	22.74	21.66	21.80	24.74	<=30	Pass

		Inner Full	20.26	20.39	23.34	22.26	22.39	25.34	<=30	Pass
		Inner 1RB Left	20.22	20.30	23.27	22.22	22.30	25.27	<=30	Pass
		Inner 1RB Right	20.23	20.40	23.33	22.23	22.40	25.33	<=30	Pass
	1705	Outer Full	19.64	19.79	22.73	21.64	21.79	24.73	<=30	Pass
		Inner Full	20.27	20.42	23.36	22.27	22.42	25.36	<=30	Pass
		Inner 1RB Left	20.39	20.50	23.46	22.39	22.50	25.46	<=30	Pass
		Inner 1RB Right	20.20	20.37	23.29	22.20	22.37	25.30	<=30	Pass
DFT-s-OFDM QPSK	1700	Outer Full	19.23	19.32	22.29	21.23	21.32	24.29	<=30	Pass
		Inner Full	20.33	20.43	23.39	22.33	22.43	25.39	<=30	Pass
		Inner 1RB Left	20.32	20.37	23.36	22.32	22.37	25.36	<=30	Pass
		Inner 1RB Right	20.19	20.34	23.28	22.19	22.34	25.28	<=30	Pass
	1702.5	Outer Full	19.19	19.33	22.27	21.19	21.33	24.27	<=30	Pass
		Inner Full	20.19	20.32	23.27	22.19	22.32	25.27	<=30	Pass
		Inner 1RB Left	20.06	20.15	23.11	22.06	22.15	25.12	<=30	Pass
		Inner 1RB Right	20.12	20.30	23.22	22.12	22.30	25.22	<=30	Pass
	1705	Outer Full	19.18	19.33	22.27	21.18	21.33	24.27	<=30	Pass
		Inner Full	20.29	20.44	23.38	22.29	22.44	25.38	<=30	Pass
		Inner 1RB Left	20.17	20.27	23.23	22.17	22.27	25.23	<=30	Pass
		Inner 1RB Right	20.27	20.45	23.37	22.27	22.45	25.37	<=30	Pass
DFT-s-OFDM 16 QAM	1700	Outer Full	18.31	18.41	21.37	20.31	20.41	23.37	<=30	Pass
		Inner Full	19.18	19.28	22.24	21.18	21.28	24.24	<=30	Pass
		Inner 1RB Left	19.35	19.40	22.38	21.35	21.40	24.39	<=30	Pass
		Inner 1RB Right	19.19	19.35	22.28	21.19	21.35	24.28	<=30	Pass
	1702.5	Outer Full	18.12	18.26	21.20	20.12	20.26	23.20	<=30	Pass
		Inner Full	19.26	19.39	22.34	21.26	21.39	24.34	<=30	Pass
		Inner 1RB Left	19.25	19.34	22.31	21.25	21.34	24.31	<=30	Pass
		Inner 1RB Right	19.17	19.35	22.27	21.17	21.35	24.27	<=30	Pass
	1705	Outer Full	18.23	18.38	21.31	20.23	20.38	23.32	<=30	Pass
		Inner Full	19.25	19.39	22.33	21.25	21.39	24.33	<=30	Pass
		Inner 1RB Left	19.27	19.37	22.33	21.27	21.37	24.33	<=30	Pass
		Inner 1RB Right	19.18	19.35	22.27	21.18	21.35	24.28	<=30	Pass
DFT-s-OFDM 64 QAM	1700	Outer Full	17.73	17.83	20.79	19.73	19.83	22.79	<=30	Pass
		Inner Full	17.77	17.86	20.83	19.77	19.86	22.83	<=30	Pass
		Inner 1RB Left	17.92	17.97	20.95	19.92	19.97	22.96	<=30	Pass
		Inner 1RB Right	17.80	17.95	20.89	19.80	19.95	22.89	<=30	Pass
	1702.5	Outer Full	17.70	17.83	20.78	19.70	19.83	22.78	<=30	Pass
		Inner Full	17.66	17.80	20.74	19.66	19.80	22.74	<=30	Pass
		Inner 1RB Left	17.55	17.64	20.61	19.55	19.64	22.61	<=30	Pass
		Inner 1RB Right	17.50	17.68	20.60	19.50	19.68	22.60	<=30	Pass
	1705	Outer Full	17.71	17.86	20.80	19.71	19.86	22.80	<=30	Pass
		Inner Full	17.66	17.81	20.74	19.66	19.81	22.75	<=30	Pass
		Inner 1RB Left	17.84	17.94	20.90	19.84	19.94	22.90	<=30	Pass
		Inner 1RB Right	17.58	17.75	20.68	19.58	19.75	22.68	<=30	Pass
DFT-s-OFDM 256 QAM	1700	Outer Full	15.87	15.97	18.93	17.87	17.97	20.93	<=30	Pass
		Inner Full	15.94	16.04	19.00	17.94	18.04	21.00	<=30	Pass
		Inner 1RB Left	16.13	16.18	19.17	18.13	18.18	21.17	<=30	Pass
		Inner 1RB Right	16.08	16.23	19.16	18.08	18.23	21.17	<=30	Pass
	1702.5	Outer Full	15.66	15.80	18.74	17.66	17.80	20.74	<=30	Pass
		Inner Full	15.81	15.95	18.89	17.81	17.95	20.89	<=30	Pass
		Inner 1RB Left	15.88	15.98	18.94	17.88	17.98	20.94	<=30	Pass
		Inner 1RB Right	15.66	15.84	18.76	17.66	17.84	20.76	<=30	Pass
	1705	Outer Full	15.81	15.95	18.89	17.81	17.95	20.89	<=30	Pass
		Inner Full	15.86	16.01	18.95	17.86	18.01	20.95	<=30	Pass
		Inner 1RB Left	16.11	16.21	19.17	18.11	18.21	21.17	<=30	Pass
		Inner 1RB Right	16.07	16.24	19.17	18.07	18.24	21.17	<=30	Pass
CP-OFDM QPSK	1700	Outer Full	17.26	17.36	20.32	19.26	19.36	22.32	<=30	Pass
		Inner Full	18.84	18.94	21.90	20.84	20.94	23.90	<=30	Pass
		Inner 1RB Left	18.81	18.87	21.85	20.81	20.87	23.85	<=30	Pass
		Inner 1RB Right	18.75	18.90	21.83	20.75	20.90	23.84	<=30	Pass

	1702.5	Outer_Full	17.04	17.18	20.12	19.04	19.18	22.12	<=30	Pass
		Inner_Full	18.72	18.86	21.80	20.72	20.86	23.80	<=30	Pass
		Inner_1RB_Left	18.57	18.66	21.62	20.57	20.66	23.63	<=30	Pass
		Inner_1RB_Right	18.60	18.78	21.70	20.60	20.78	23.70	<=30	Pass
	1705	Outer_Full	17.11	17.26	20.19	19.11	19.26	22.20	<=30	Pass
		Inner_Full	18.73	18.88	21.82	20.73	20.88	23.82	<=30	Pass
		Inner_1RB_Left	18.81	18.91	21.87	20.81	20.91	23.87	<=30	Pass
		Inner_1RB_Right	18.79	18.96	21.88	20.79	20.96	23.89	<=30	Pass
CP-OFDM 16 QAM	1700	Outer_Full	17.26	17.36	20.32	19.26	19.36	22.32	<=30	Pass
		Inner_Full	18.22	18.32	21.28	20.22	20.32	23.28	<=30	Pass
		Inner_1RB_Left	18.36	18.41	21.40	20.36	20.41	23.40	<=30	Pass
		Inner_1RB_Right	18.26	18.41	21.34	20.26	20.41	23.35	<=30	Pass
	1702.5	Outer_Full	17.09	17.23	20.17	19.09	19.23	22.17	<=30	Pass
		Inner_Full	18.10	18.24	21.18	20.10	20.24	23.18	<=30	Pass
		Inner_1RB_Left	18.14	18.23	21.20	20.14	20.23	23.20	<=30	Pass
		Inner_1RB_Right	18.23	18.42	21.34	20.23	20.42	23.34	<=30	Pass
	1705	Outer_Full	17.17	17.31	20.25	19.17	19.31	22.25	<=30	Pass
		Inner_Full	18.14	18.29	21.23	20.14	20.29	23.23	<=30	Pass
		Inner_1RB_Left	18.37	18.48	21.44	20.37	20.48	23.44	<=30	Pass
		Inner_1RB_Right	18.32	18.49	21.42	20.32	20.49	23.42	<=30	Pass
CP-OFDM 64 QAM	1700	Outer_Full	16.71	16.81	19.77	18.71	18.81	21.77	<=30	Pass
		Inner_Full	16.74	16.84	19.80	18.74	18.84	21.80	<=30	Pass
		Inner_1RB_Left	16.87	16.92	19.90	18.87	18.92	21.91	<=30	Pass
		Inner_1RB_Right	16.88	17.03	19.96	18.88	19.03	21.97	<=30	Pass
	1702.5	Outer_Full	16.57	16.72	19.66	18.57	18.72	21.66	<=30	Pass
		Inner_Full	16.61	16.76	19.69	18.61	18.76	21.70	<=30	Pass
		Inner_1RB_Left	16.77	16.87	19.83	18.77	18.87	21.83	<=30	Pass
		Inner_1RB_Right	16.82	17.01	19.93	18.82	19.01	21.93	<=30	Pass
	1705	Outer_Full	16.63	16.78	19.72	18.63	18.78	21.72	<=30	Pass
		Inner_Full	16.72	16.87	19.81	18.72	18.87	21.81	<=30	Pass
		Inner_1RB_Left	16.89	16.99	19.95	18.89	18.99	21.95	<=30	Pass
		Inner_1RB_Right	16.83	17.00	19.93	18.83	19.00	21.93	<=30	Pass
CP-OFDM 256 QAM	1700	Outer_Full	13.80	13.90	16.86	15.80	15.90	18.86	<=30	Pass
		Inner_Full	13.78	13.88	16.84	15.78	15.88	18.84	<=30	Pass
		Inner_1RB_Left	13.92	13.97	16.95	15.92	15.97	18.96	<=30	Pass
		Inner_1RB_Right	13.88	14.03	16.96	15.88	16.03	18.97	<=30	Pass
	1702.5	Outer_Full	13.67	13.81	16.75	15.67	15.81	18.75	<=30	Pass
		Inner_Full	13.69	13.84	16.77	15.69	15.84	18.78	<=30	Pass
		Inner_1RB_Left	13.80	13.90	16.86	15.80	15.90	18.86	<=30	Pass
		Inner_1RB_Right	13.63	13.81	16.73	15.63	15.81	18.73	<=30	Pass
	1705	Outer_Full	13.72	13.86	16.80	15.72	15.86	18.80	<=30	Pass
		Inner_Full	13.75	13.90	16.83	15.75	15.90	18.84	<=30	Pass
		Inner_1RB_Left	13.87	13.97	16.93	15.87	15.97	18.93	<=30	Pass
		Inner_1RB_Right	13.90	14.07	17.00	15.90	16.07	19.00	<=30	Pass
Note1: Antenna Gain: Ant1: 2.00dBi; Ant2: 2.00dBi; Note2: EIRP Ant_1=Conducted Power_1+Ant Gain_1 / EIRP Ant_2=Conducted Power_2+Ant Gain_2 / Sum=EIRP Ant_1+EIRP Ant_2										

1.1.6 15k_MIMO_15MHz_NTNV_EIRP

5G NR n70 SCS=15kHz MIMO 15MHz 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	1702.5	Outer_Full	19.66	19.80	22.74	21.66	21.80	24.74	<=30	Pass
		Inner_Full	20.20	20.34	23.28	22.20	22.34	25.28	<=30	Pass
		Inner_1RB_Left	20.27	20.33	23.31	22.27	22.33	25.31	<=30	Pass
		Inner_1RB_Right	20.25	20.44	23.36	22.25	22.44	25.36	<=30	Pass
DFT-s-OFDM QPSK	1702.5	Outer_Full	19.22	19.35	22.30	21.22	21.35	24.30	<=30	Pass

		Inner_Full	20.21	20.35	23.29	22.21	22.35	25.29	<=30	Pass
		Inner_1RB_Left	20.24	20.31	23.28	22.24	22.31	25.29	<=30	Pass
		Inner_1RB_Right	20.18	20.37	23.28	22.18	22.37	25.29	<=30	Pass
DFT-s-OFDM 16 QAM	1702.5	Outer_Full	18.26	18.39	21.34	20.26	20.39	23.34	<=30	Pass
		Inner_Full	19.27	19.41	22.35	21.27	21.41	24.35	<=30	Pass
		Inner_1RB_Left	19.34	19.41	22.38	21.34	21.41	24.39	<=30	Pass
		Inner_1RB_Right	19.21	19.40	22.32	21.21	21.40	24.32	<=30	Pass
DFT-s-OFDM 64 QAM	1702.5	Outer_Full	17.76	17.89	20.84	19.76	19.89	22.84	<=30	Pass
		Inner_Full	17.79	17.93	20.87	19.79	19.93	22.87	<=30	Pass
		Inner_1RB_Left	17.79	17.86	20.83	19.79	19.86	22.84	<=30	Pass
		Inner_1RB_Right	17.75	17.94	20.85	19.75	19.94	22.86	<=30	Pass
DFT-s-OFDM 256 QAM	1702.5	Outer_Full	15.87	16.01	18.95	17.87	18.01	20.95	<=30	Pass
		Inner_Full	15.91	16.05	18.99	17.91	18.05	20.99	<=30	Pass
		Inner_1RB_Left	16.16	16.23	19.20	18.16	18.23	21.21	<=30	Pass
		Inner_1RB_Right	16.14	16.34	19.25	18.14	18.34	21.25	<=30	Pass
CP-OFDM QPSK	1702.5	Outer_Full	17.25	17.39	20.33	19.25	19.39	22.33	<=30	Pass
		Inner_Full	18.77	18.91	21.85	20.77	20.91	23.85	<=30	Pass
		Inner_1RB_Left	18.77	18.84	21.82	20.77	20.84	23.82	<=30	Pass
		Inner_1RB_Right	18.61	18.80	21.72	20.61	20.80	23.72	<=30	Pass
CP-OFDM 16 QAM	1702.5	Outer_Full	17.21	17.35	20.29	19.21	19.35	22.29	<=30	Pass
		Inner_Full	18.26	18.40	21.34	20.26	20.40	23.34	<=30	Pass
		Inner_1RB_Left	18.35	18.42	21.40	20.35	20.42	23.40	<=30	Pass
		Inner_1RB_Right	18.22	18.41	21.32	20.22	20.41	23.33	<=30	Pass
CP-OFDM 64 QAM	1702.5	Outer_Full	16.71	16.84	19.79	18.71	18.84	21.79	<=30	Pass
		Inner_Full	16.78	16.92	19.86	18.78	18.92	21.86	<=30	Pass
		Inner_1RB_Left	16.85	16.92	19.90	18.85	18.92	21.90	<=30	Pass
		Inner_1RB_Right	16.72	16.91	19.83	18.72	18.91	21.83	<=30	Pass
CP-OFDM 256 QAM	1702.5	Outer_Full	13.78	13.92	16.86	15.78	15.92	18.86	<=30	Pass
		Inner_Full	13.73	13.87	16.81	15.73	15.87	18.81	<=30	Pass
		Inner_1RB_Left	13.84	13.91	16.89	15.84	15.91	18.89	<=30	Pass
		Inner_1RB_Right	13.80	13.99	16.90	15.80	15.99	18.91	<=30	Pass
Note1: Antenna Gain: Ant1: 2.00dBi; Ant2: 2.00dBi; Note2: EIRP Ant_1=Conducted Power_1+Ant Gain_1 / EIRP Ant_2=Conducted Power_2+Ant Gain_2 / Sum=EIRP Ant_1+EIRP Ant_2										

2. Frequency Stability

2.1 Test Result

2.1.1 15k_SISO_15MHz

5G NR n70 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	1702.5	Outer_Full	20	LV	-3.30	-0.0019	>=-2.5 & <=2.5	Pass
				HV	2.20	0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-3.00	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-1.60	-0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	-1.80	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-0.80	-0.0005	>=-2.5 & <=2.5	Pass
			10	NV	3.50	0.0021	>=-2.5 & <=2.5	Pass
			20	NV	2.40	0.0014	>=-2.5 & <=2.5	Pass
			30	NV	3.90	0.0023	>=-2.5 & <=2.5	Pass
			40	NV	2.20	0.0013	>=-2.5 & <=2.5	Pass
			50	NV	1.40	0.0008	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	1702.5	Outer_Full	20	LV	-5.80	-0.0034	>=-2.5 & <=2.5	Pass

				HV	-6.60	-0.0039	>=-2.5 & <=2.5	Pass
			-30	NV	-6.70	-0.0039	>=-2.5 & <=2.5	Pass
			-20	NV	-5.70	-0.0033	>=-2.5 & <=2.5	Pass
			-10	NV	-5.40	-0.0032	>=-2.5 & <=2.5	Pass
			0	NV	-6.50	-0.0038	>=-2.5 & <=2.5	Pass
			10	NV	-6.30	-0.0037	>=-2.5 & <=2.5	Pass
			20	NV	-4.70	-0.0028	>=-2.5 & <=2.5	Pass
			30	NV	-5.80	-0.0034	>=-2.5 & <=2.5	Pass
			40	NV	-4.50	-0.0026	>=-2.5 & <=2.5	Pass
			50	NV	-4.60	-0.0027	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 15k_SISO_5MHz_NTNV

5G NR n70 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	1697.5	Outer_Full	4.54	4.99	/	Pass
	1702.5	Outer_Full	4.55	4.99	/	Pass
	1707.5	Outer_Full	4.54	5.01	/	Pass
DFT-s-OFDM QPSK	1697.5	Outer_Full	4.51	4.95	/	Pass
	1702.5	Outer_Full	4.51	4.96	/	Pass
	1707.5	Outer_Full	4.51	4.96	/	Pass
DFT-s-OFDM 16 QAM	1697.5	Outer_Full	4.52	4.99	/	Pass
	1702.5	Outer_Full	4.51	4.96	/	Pass
	1707.5	Outer_Full	4.52	4.96	/	Pass
DFT-s-OFDM 64 QAM	1697.5	Outer_Full	4.53	5.00	/	Pass
	1702.5	Outer_Full	4.54	5.02	/	Pass
	1707.5	Outer_Full	4.52	4.99	/	Pass
DFT-s-OFDM 256 QAM	1697.5	Outer_Full	4.53	5.04	/	Pass
	1702.5	Outer_Full	4.53	4.98	/	Pass
	1707.5	Outer_Full	4.55	4.98	/	Pass
CP-OFDM QPSK	1697.5	Outer_Full	4.53	4.99	/	Pass
	1702.5	Outer_Full	4.53	4.97	/	Pass
	1707.5	Outer_Full	4.55	4.98	/	Pass
CP-OFDM 16 QAM	1697.5	Outer_Full	4.53	5.00	/	Pass
	1702.5	Outer_Full	4.52	5.01	/	Pass
	1707.5	Outer_Full	4.52	4.98	/	Pass
CP-OFDM 64 QAM	1697.5	Outer_Full	4.54	5.00	/	Pass
	1702.5	Outer_Full	4.54	4.99	/	Pass
	1707.5	Outer_Full	4.54	5.01	/	Pass
CP-OFDM 256 QAM	1697.5	Outer_Full	4.51	4.95	/	Pass
	1702.5	Outer_Full	4.52	5.00	/	Pass
	1707.5	Outer_Full	4.52	4.99	/	Pass

3.1.2 15k_SISO_10MHz_NTNV

5G NR n70 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	1700	Outer_Full	9.07	9.71	/	Pass
	1702.5	Outer_Full	9.08	9.74	/	Pass

	1705	Outer_Full	9.07	9.69	/	Pass
DFT-s-OFDM QPSK	1700	Outer_Full	9.02	9.71	/	Pass
	1702.5	Outer_Full	9.02	9.70	/	Pass
	1705	Outer_Full	9.02	9.68	/	Pass
	1700	Outer_Full	9.07	9.71	/	Pass
DFT-s-OFDM 16 QAM	1702.5	Outer_Full	9.07	9.74	/	Pass
	1705	Outer_Full	9.07	9.72	/	Pass
	1700	Outer_Full	9.03	9.75	/	Pass
DFT-s-OFDM 64 QAM	1702.5	Outer_Full	9.03	9.73	/	Pass
	1705	Outer_Full	9.02	9.72	/	Pass
	1700	Outer_Full	9.04	9.70	/	Pass
DFT-s-OFDM 256 QAM	1702.5	Outer_Full	9.04	9.71	/	Pass
	1705	Outer_Full	9.05	9.74	/	Pass
	1700	Outer_Full	9.37	10.08	/	Pass
CP-OFDM QPSK	1702.5	Outer_Full	9.37	10.10	/	Pass
	1705	Outer_Full	9.37	10.08	/	Pass
	1700	Outer_Full	9.39	10.10	/	Pass
CP-OFDM 16 QAM	1702.5	Outer_Full	9.40	10.07	/	Pass
	1705	Outer_Full	9.38	10.06	/	Pass
	1700	Outer_Full	9.36	10.10	/	Pass
CP-OFDM 64 QAM	1702.5	Outer_Full	9.35	10.07	/	Pass
	1705	Outer_Full	9.35	10.07	/	Pass
	1700	Outer_Full	9.37	10.10	/	Pass
CP-OFDM 256 QAM	1702.5	Outer_Full	9.38	10.08	/	Pass
	1705	Outer_Full	9.36	10.10	/	Pass

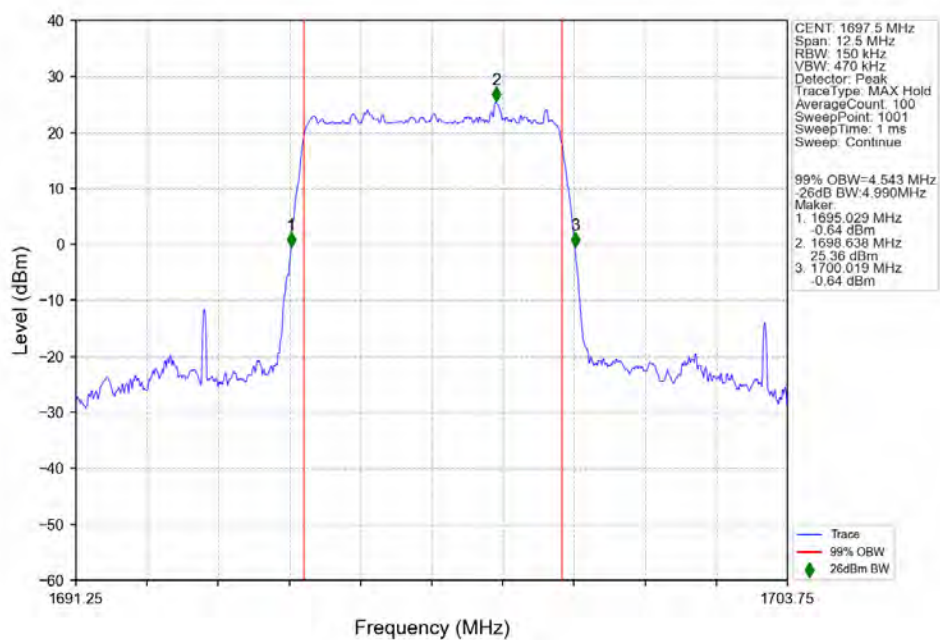
3.1.3 15k_SISO_15MHz_NTNV

5G NR n70 SCS=15kHz SISO 15MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	1702.5	Outer_Full	13.61	14.64	/	Pass
DFT-s-OFDM QPSK	1702.5	Outer_Full	13.56	14.60	/	Pass
DFT-s-OFDM 16 QAM	1702.5	Outer_Full	13.64	14.62	/	Pass
DFT-s-OFDM 64 QAM	1702.5	Outer_Full	13.54	14.59	/	Pass
DFT-s-OFDM 256 QAM	1702.5	Outer_Full	13.55	14.58	/	Pass
CP-OFDM QPSK	1702.5	Outer_Full	14.31	16.11	/	Pass
CP-OFDM 16 QAM	1702.5	Outer_Full	14.31	16.49	/	Pass
CP-OFDM 64 QAM	1702.5	Outer_Full	14.27	15.41	/	Pass
CP-OFDM 256 QAM	1702.5	Outer_Full	14.28	15.29	/	Pass

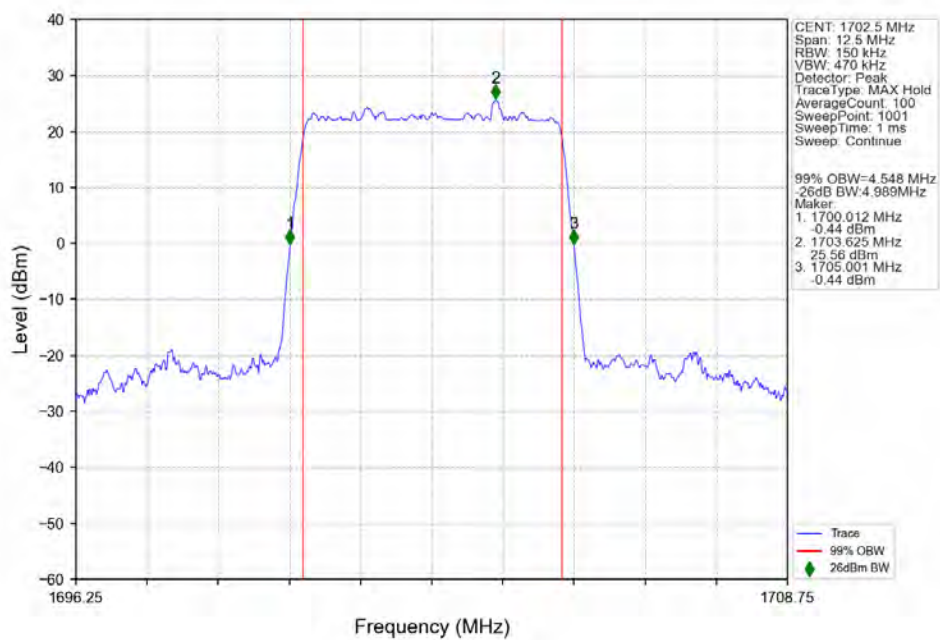
3.2 Test Graph

3.2.1 15k_SISO_5MHz_NTNV

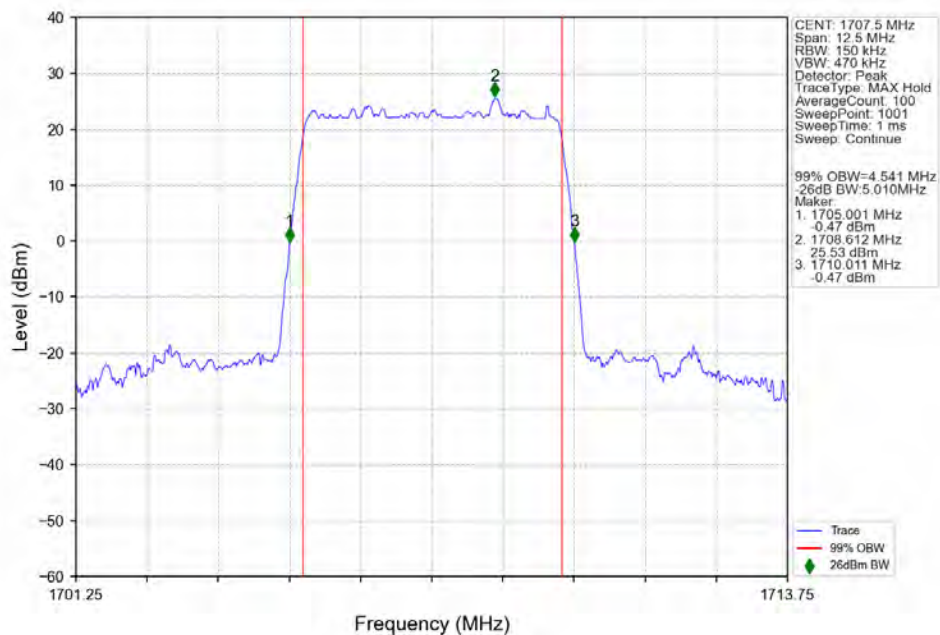
n70_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_1697.5MHz_Outer_Full_Ant1



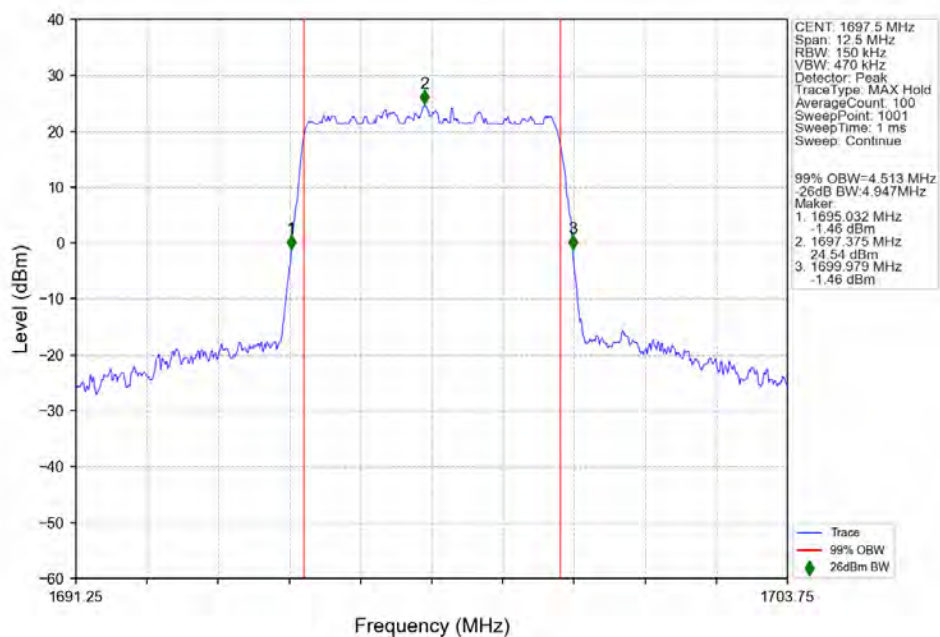
n70_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_1702.5MHz_Outer_Full_Ant1



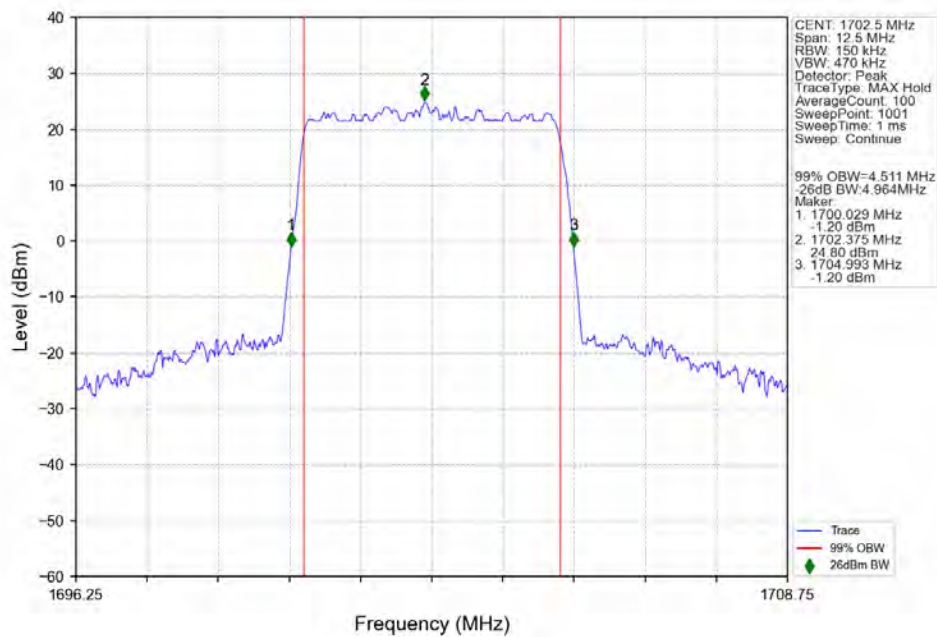
n70 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 1707.5MHz Outer Full Ant1



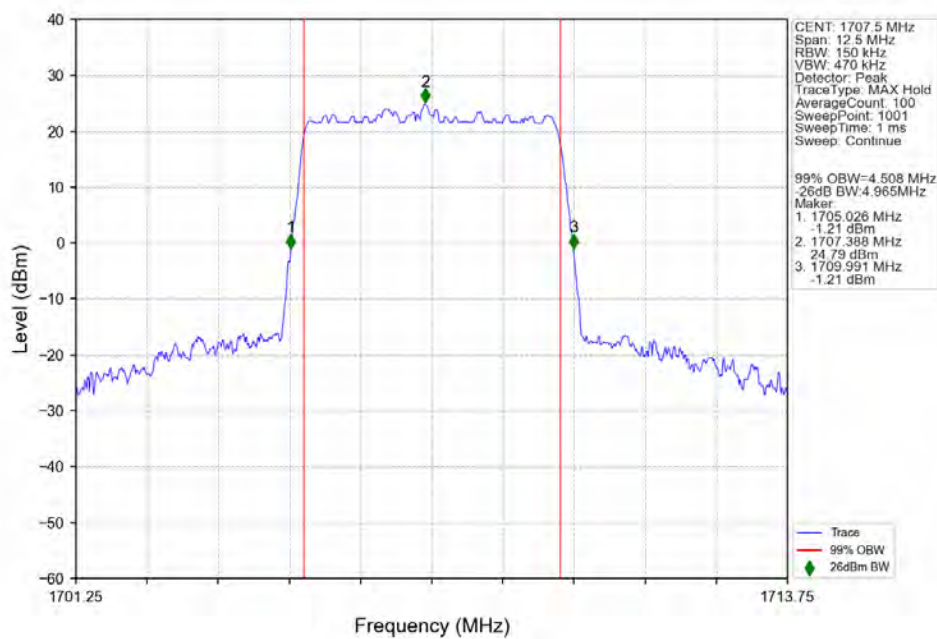
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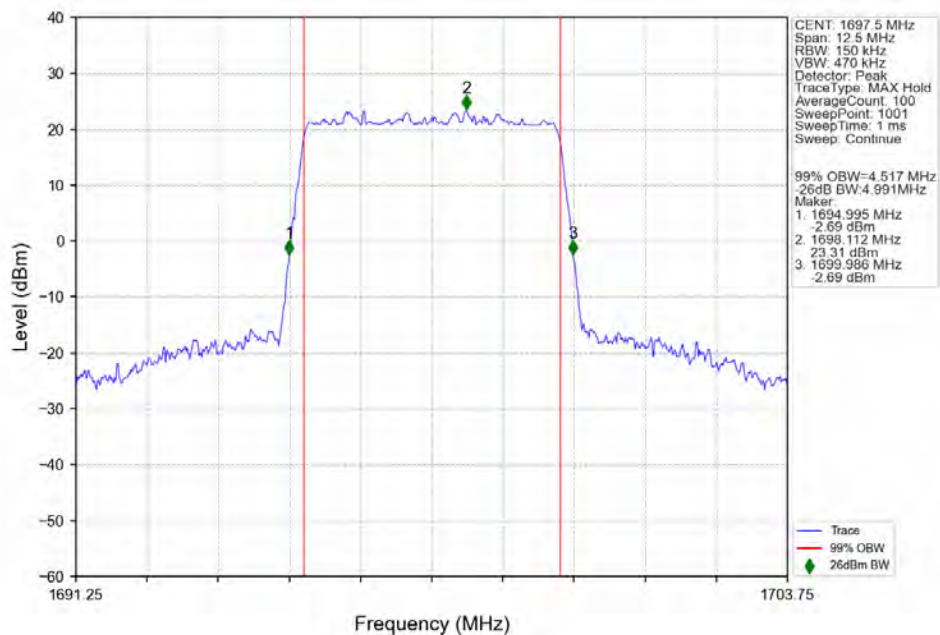
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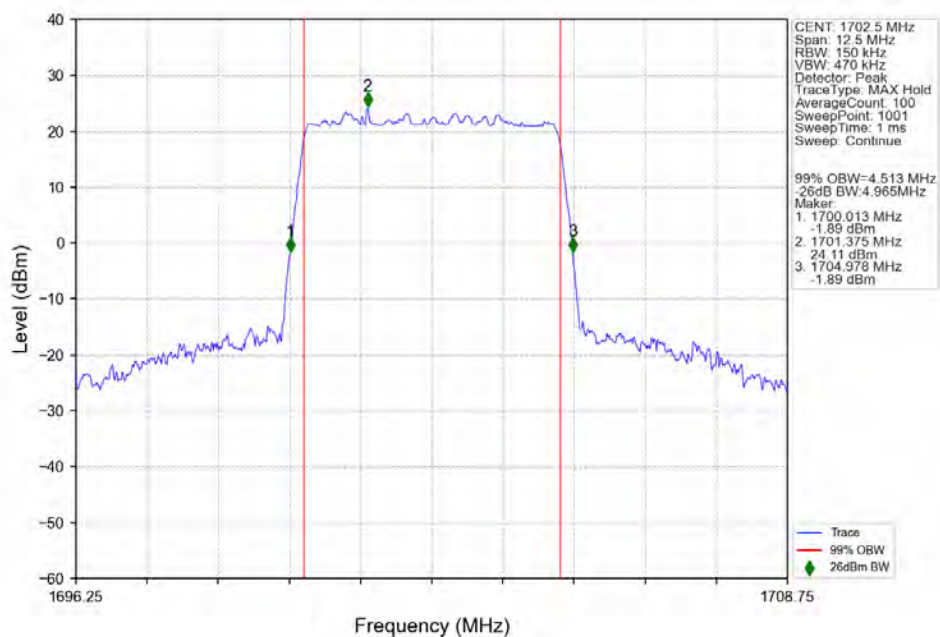
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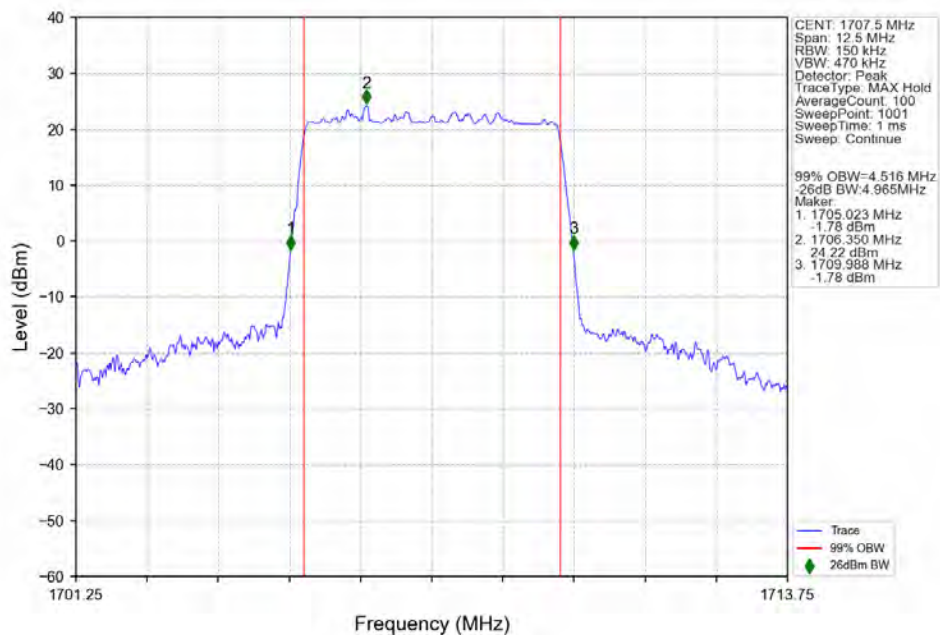
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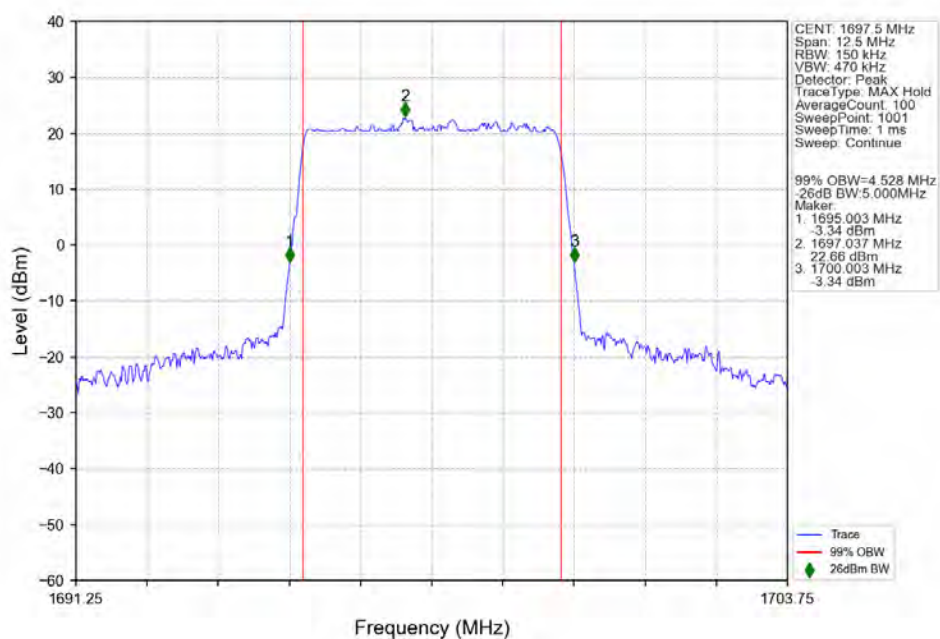
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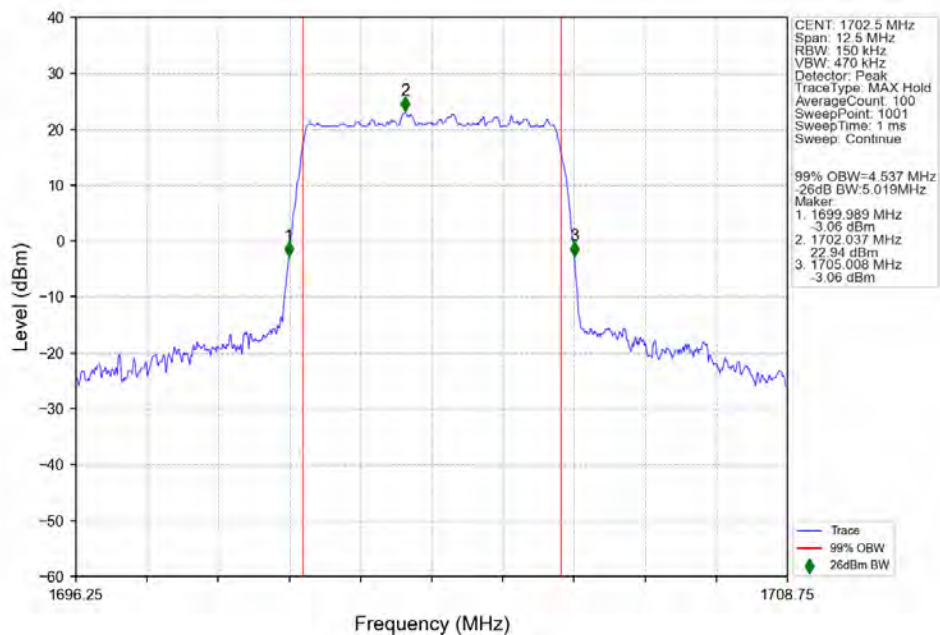
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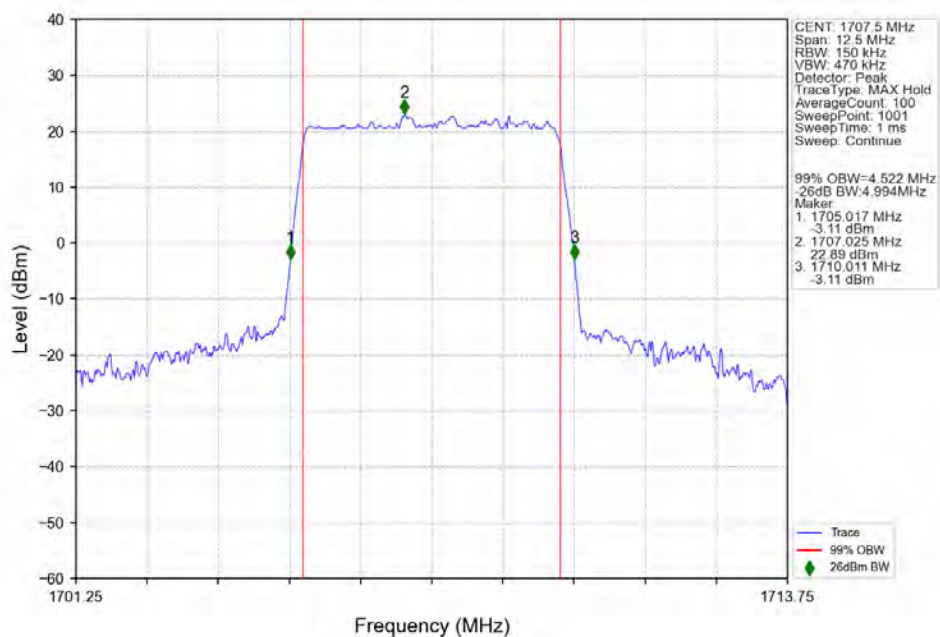
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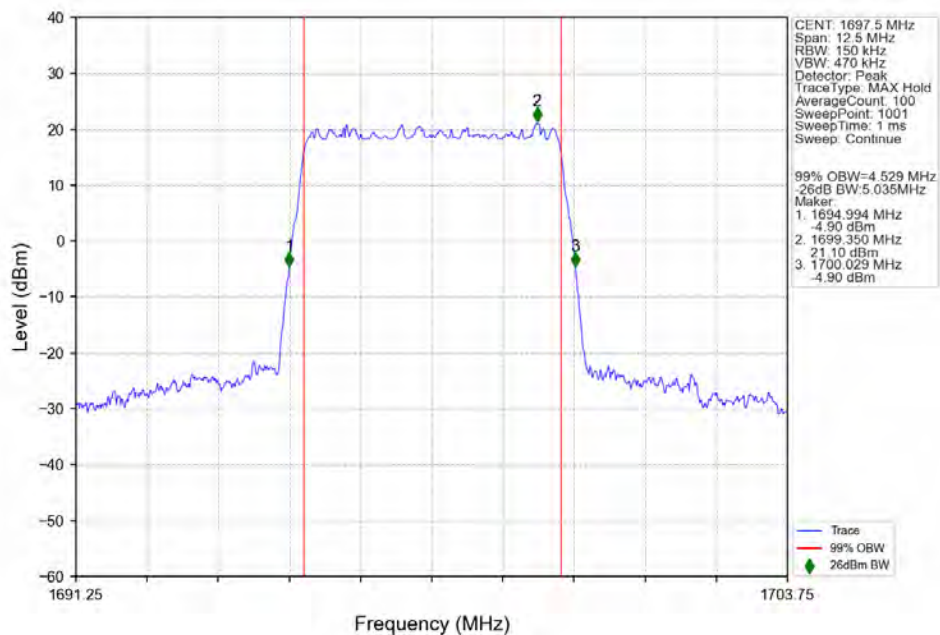
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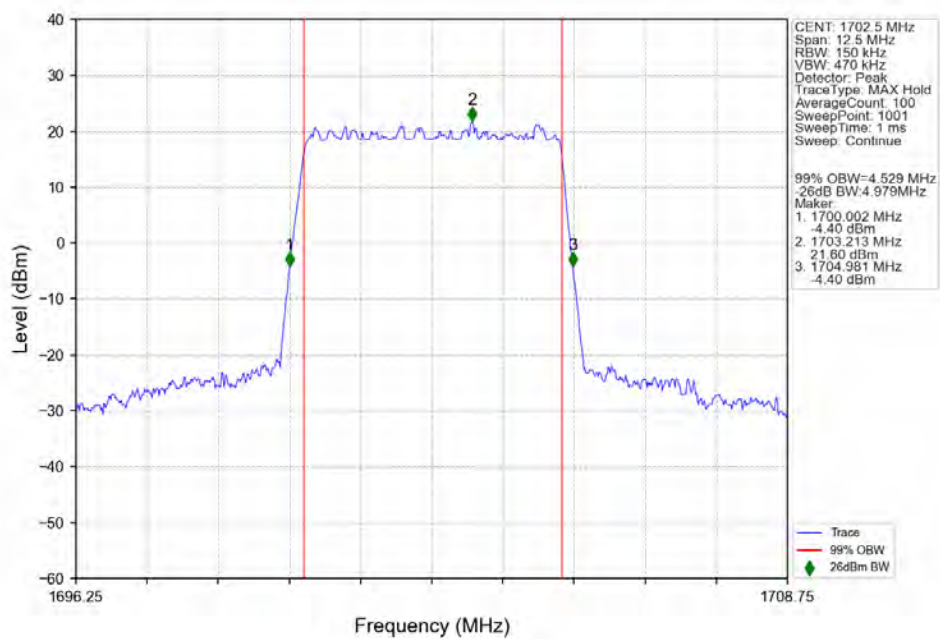
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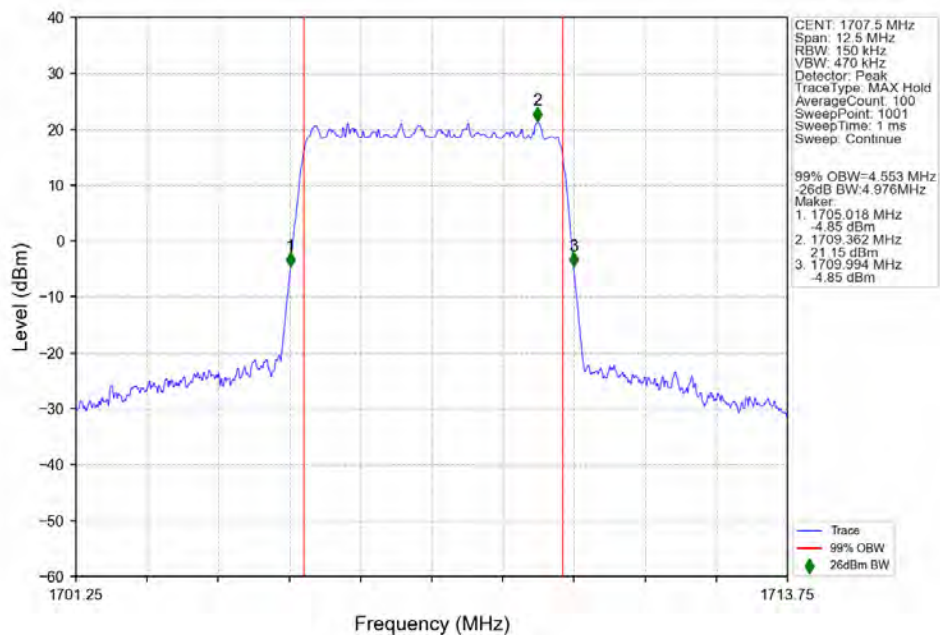
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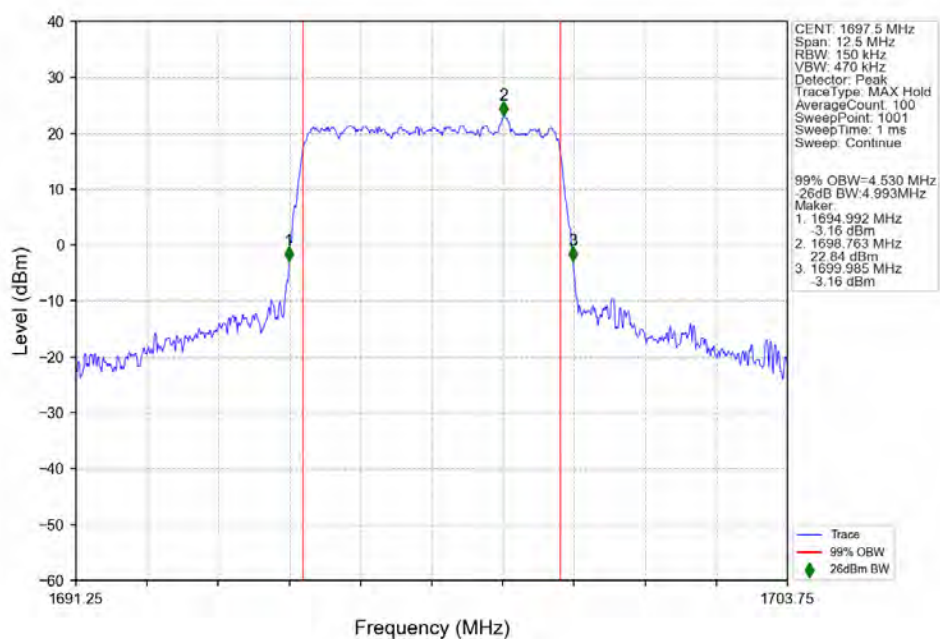
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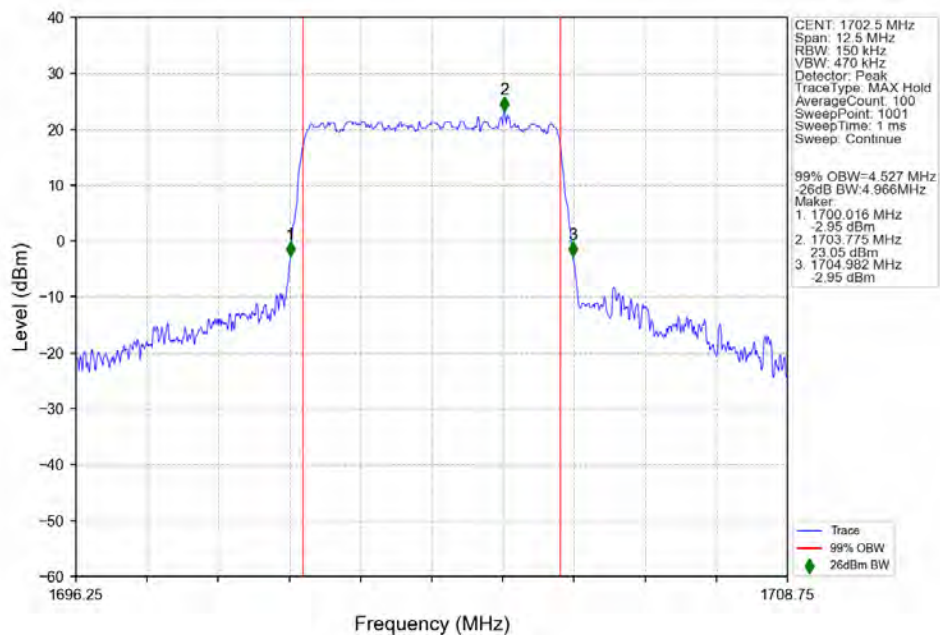
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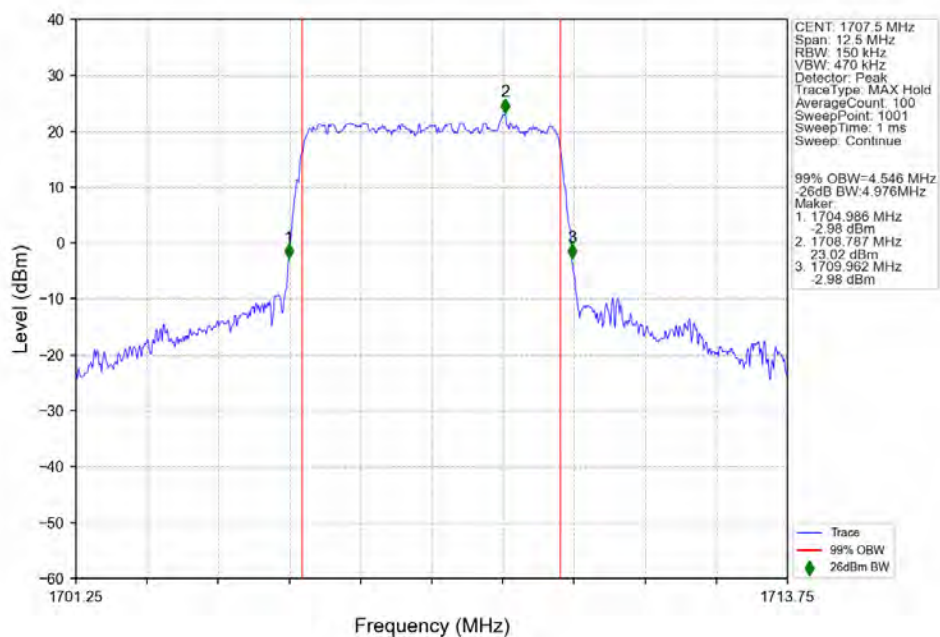
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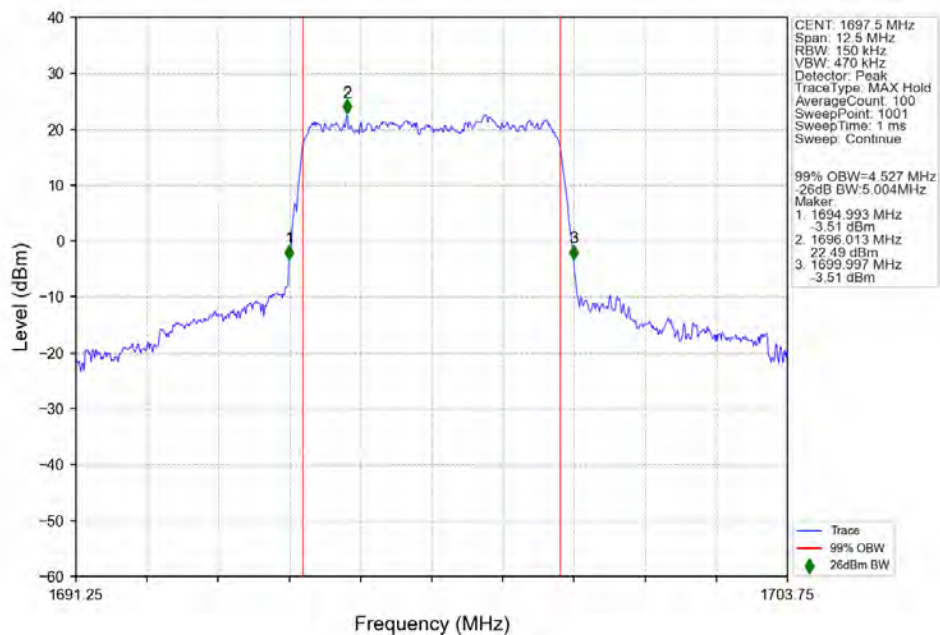
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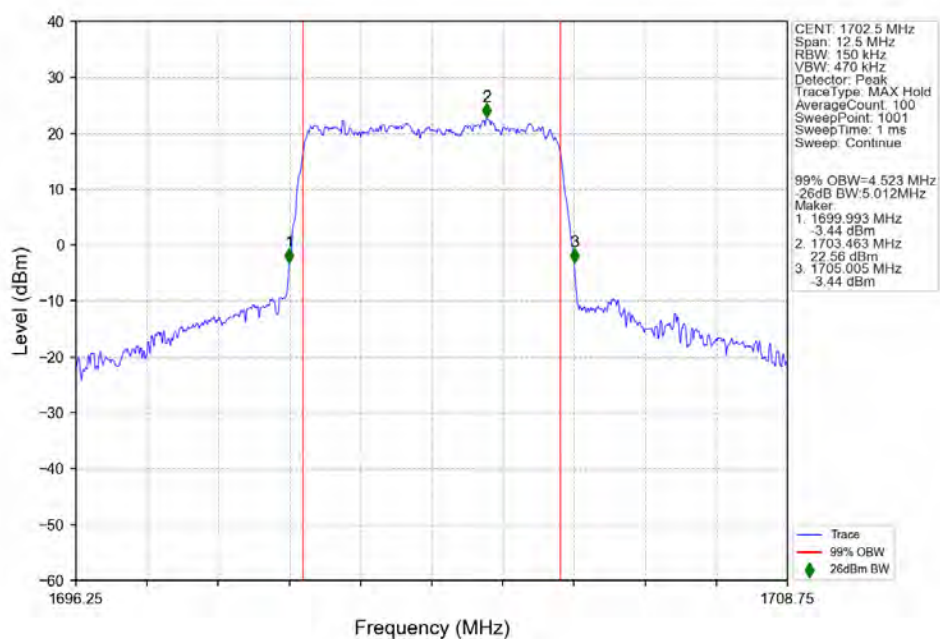
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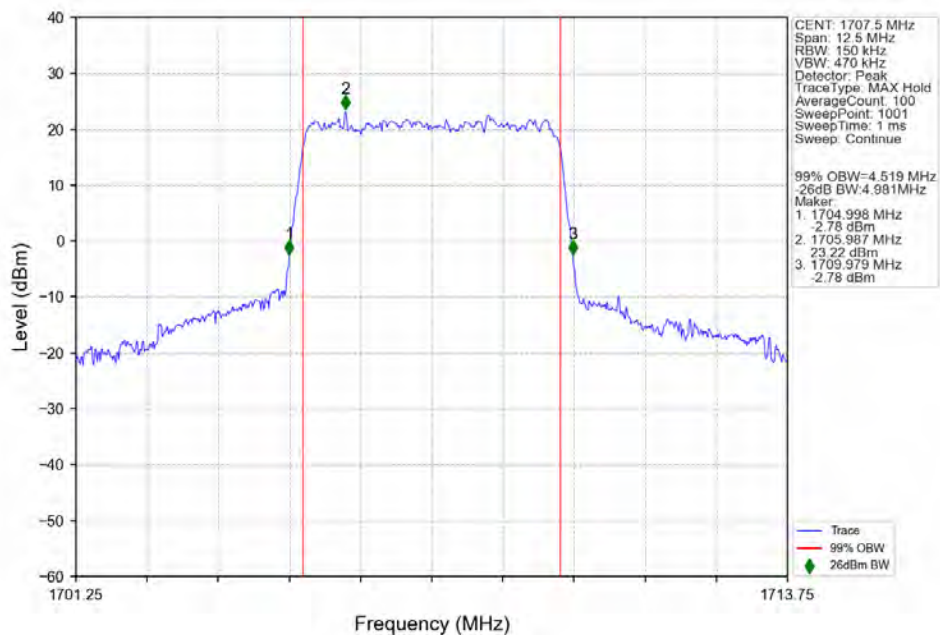
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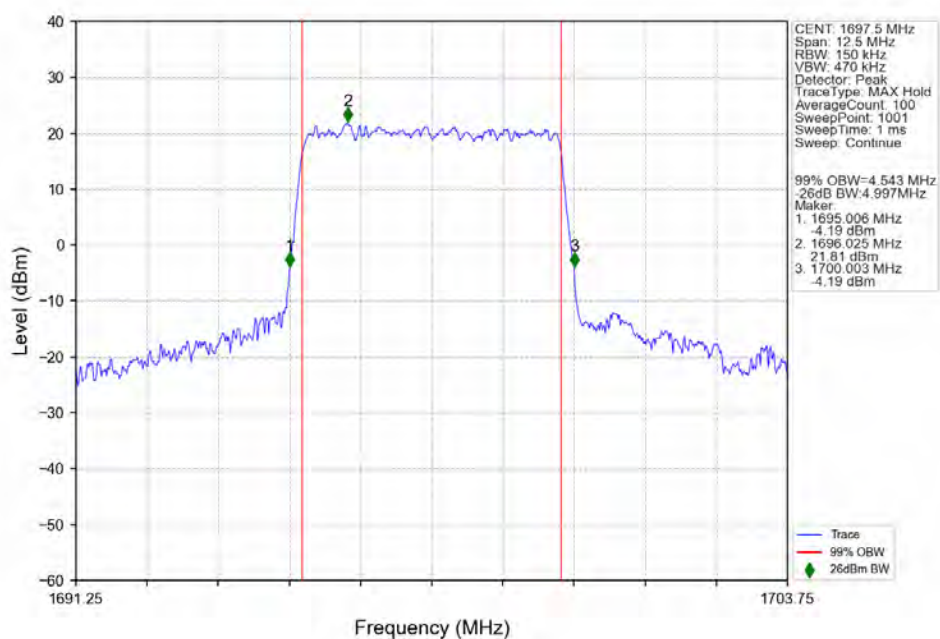
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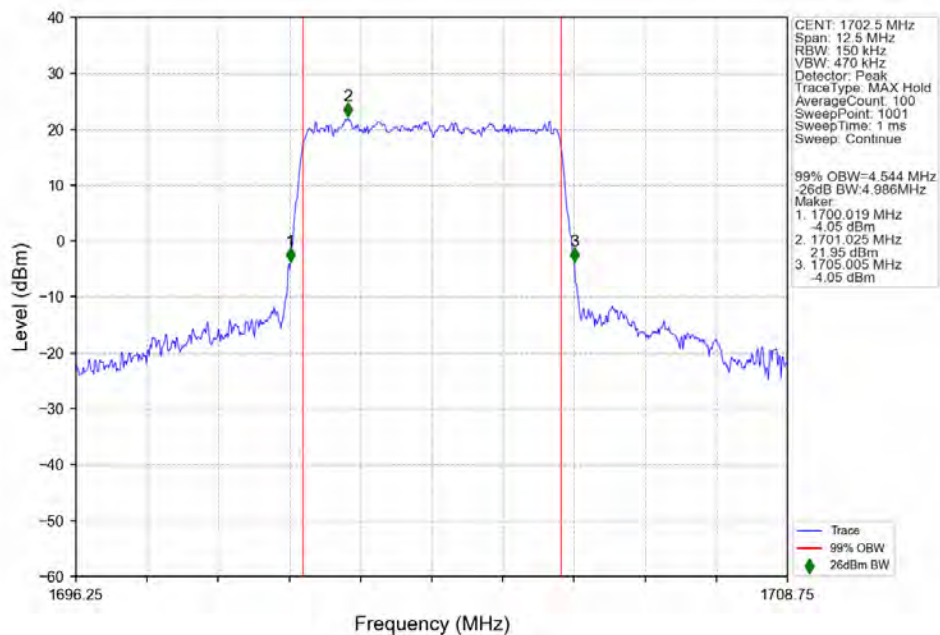
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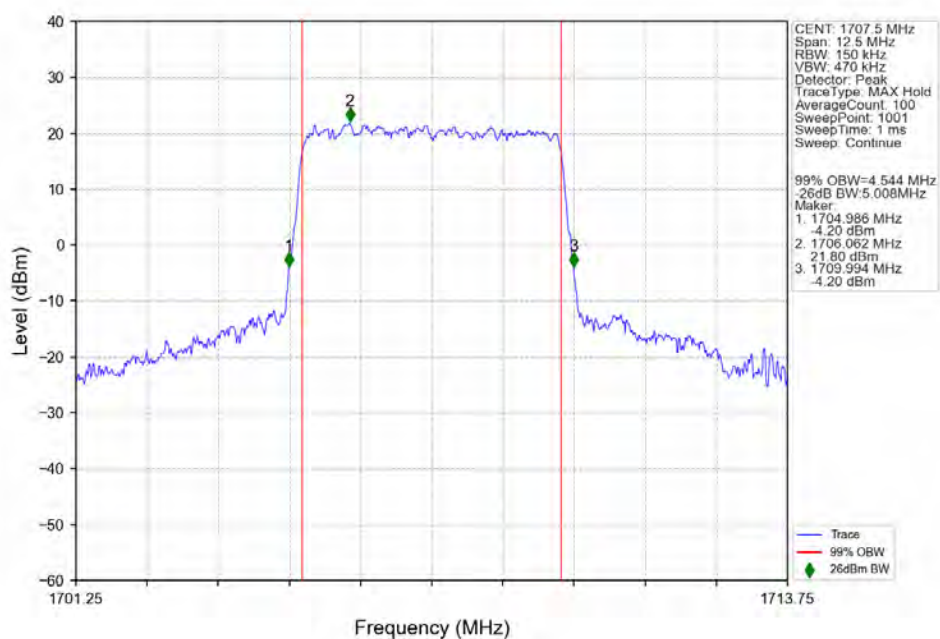
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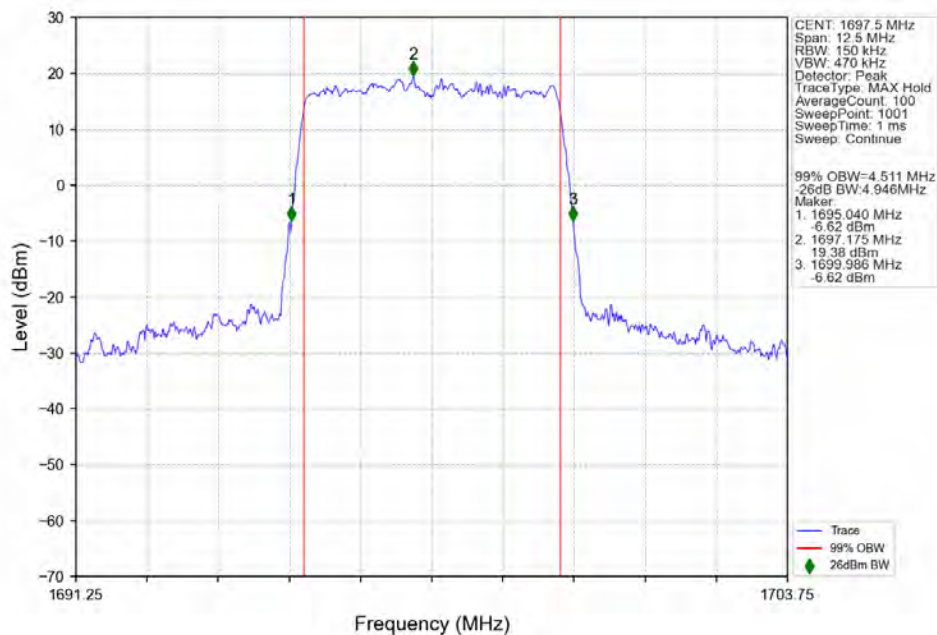
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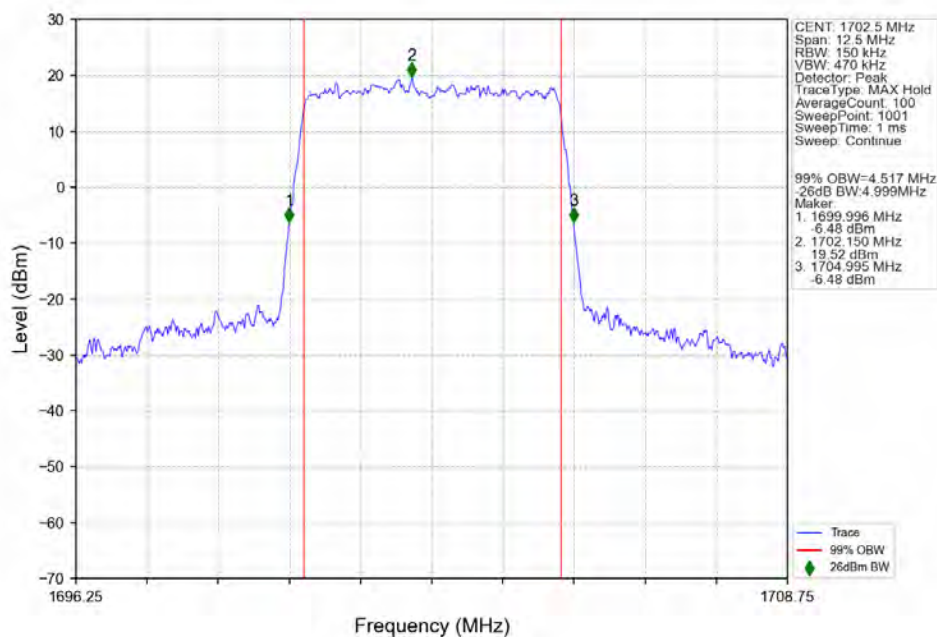
n70 15kHz SISO NTV 5MHz CP-OFDM 64 QAM 1707.5MHz Outer Full Ant1



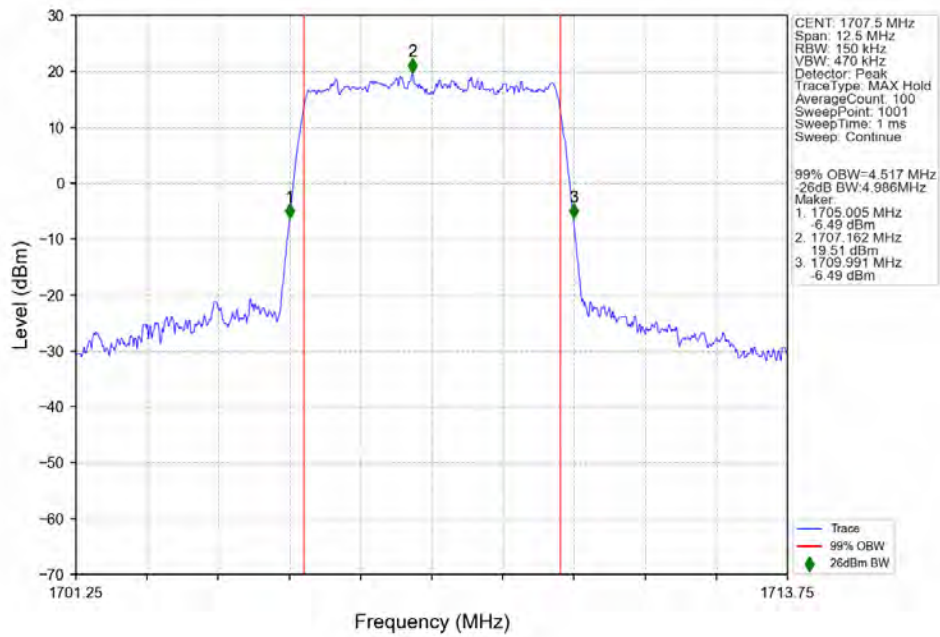
n70 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 1697.5MHz Outer Full Ant1



n70 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 1702.5MHz Outer Full Ant1

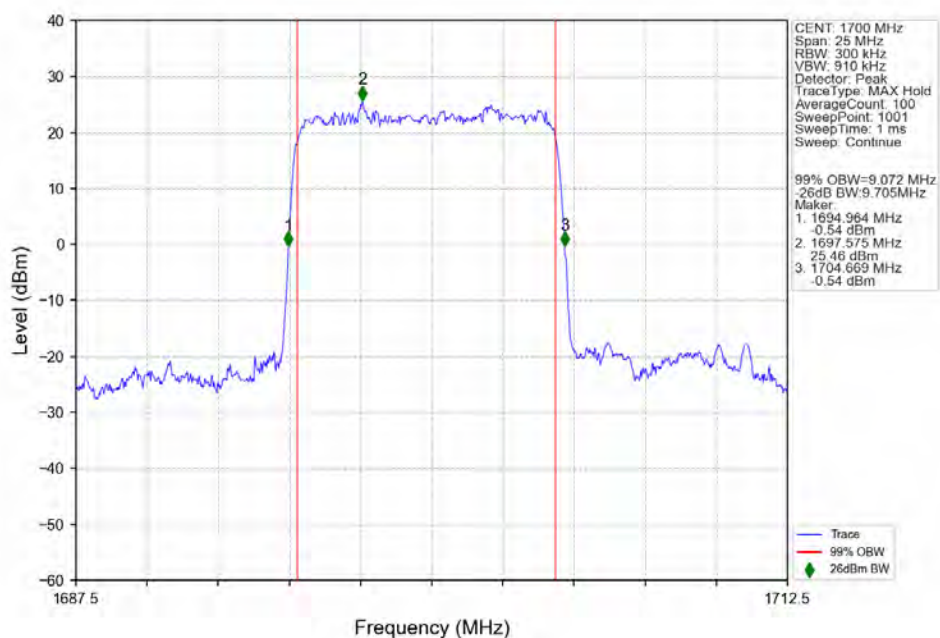


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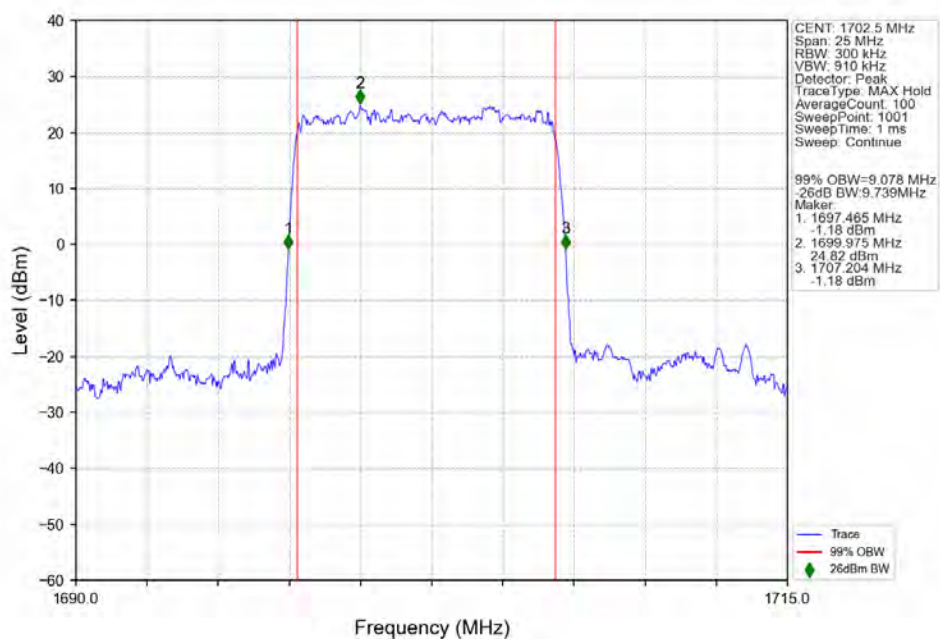


3.2.2 15k_SISO_10MHz_NTNV

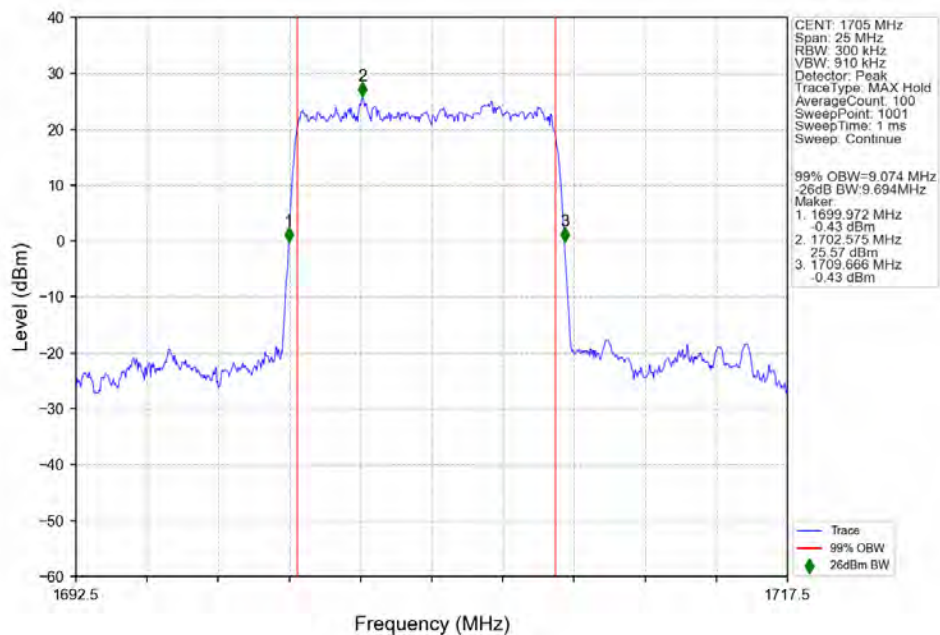
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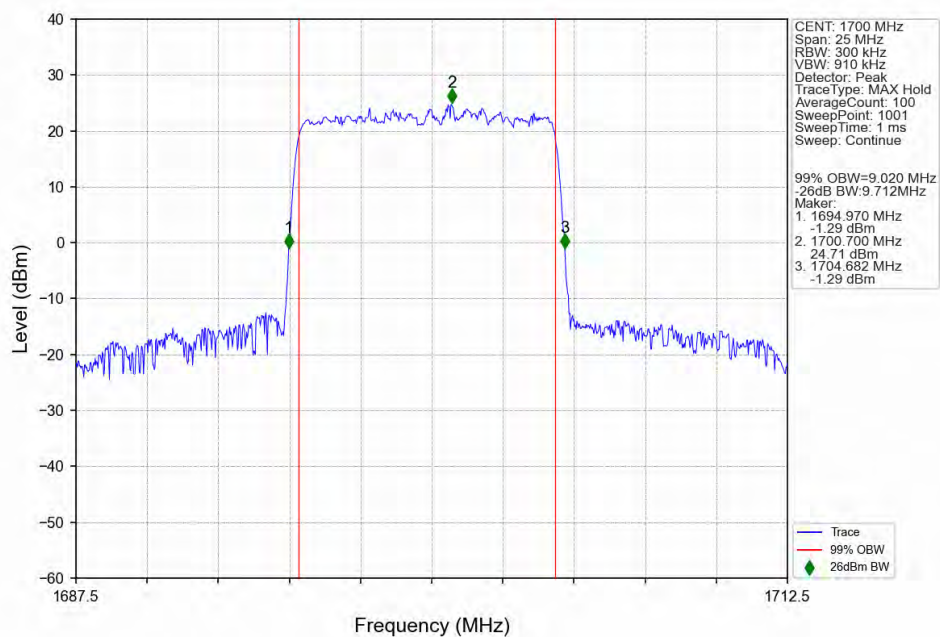
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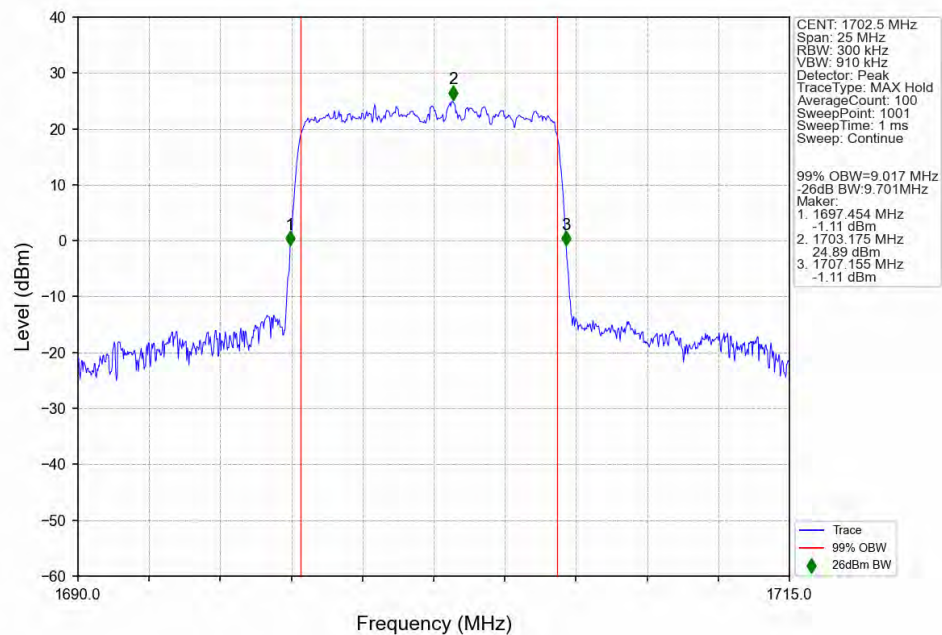
n70 15kHz SISO NTN 10MHz DFT-s-OFDM PI/2 BPSK 1705MHz Outer Full Ant1



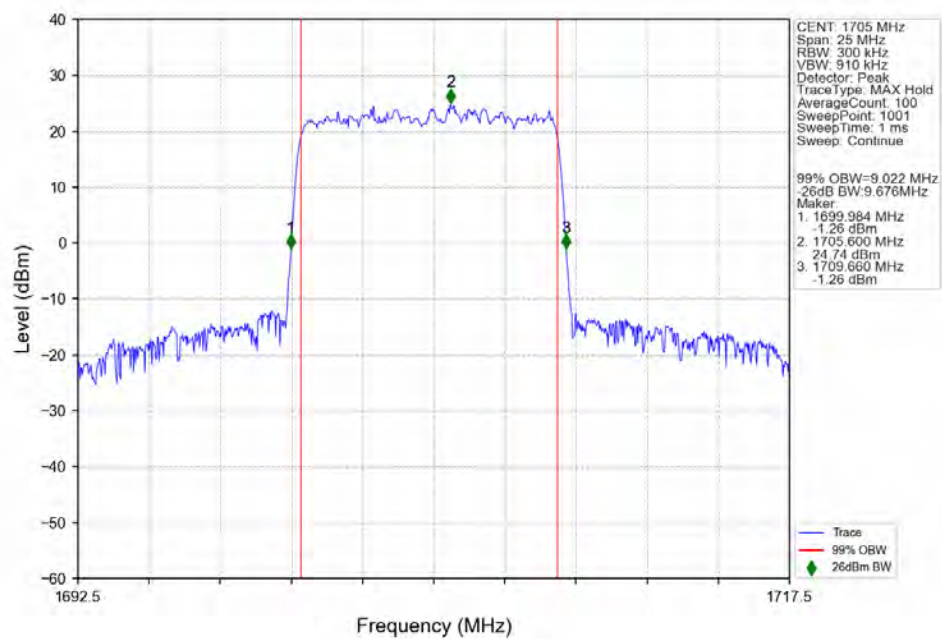
n70 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 1700MHz Outer Full Ant1



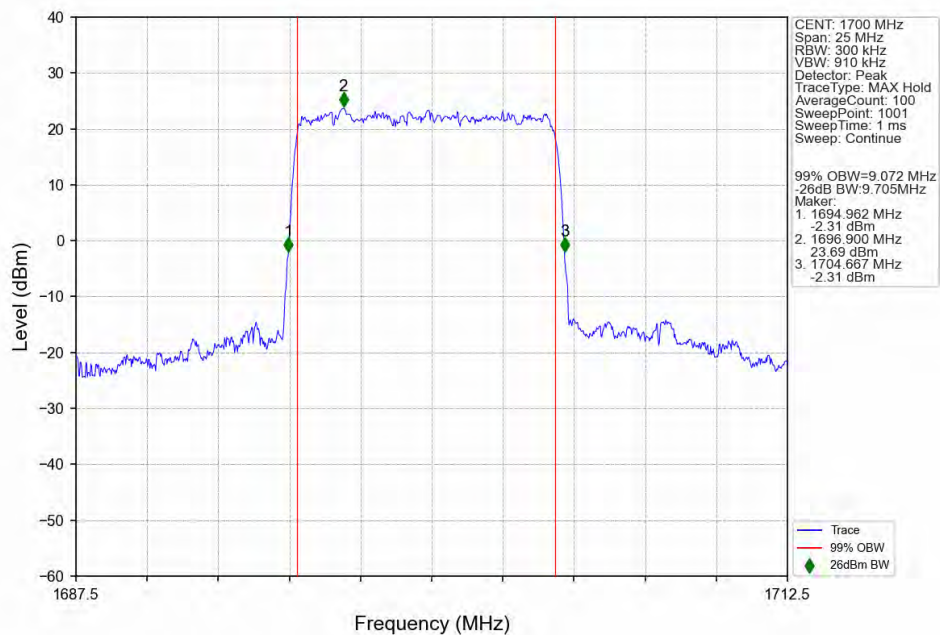
n70 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 1702.5MHz Outer Full Ant1



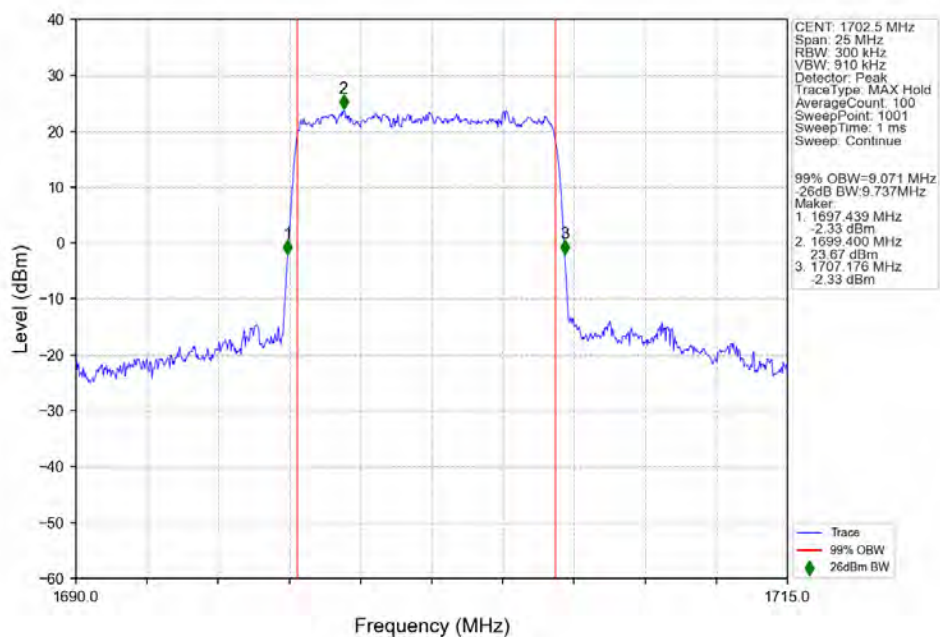
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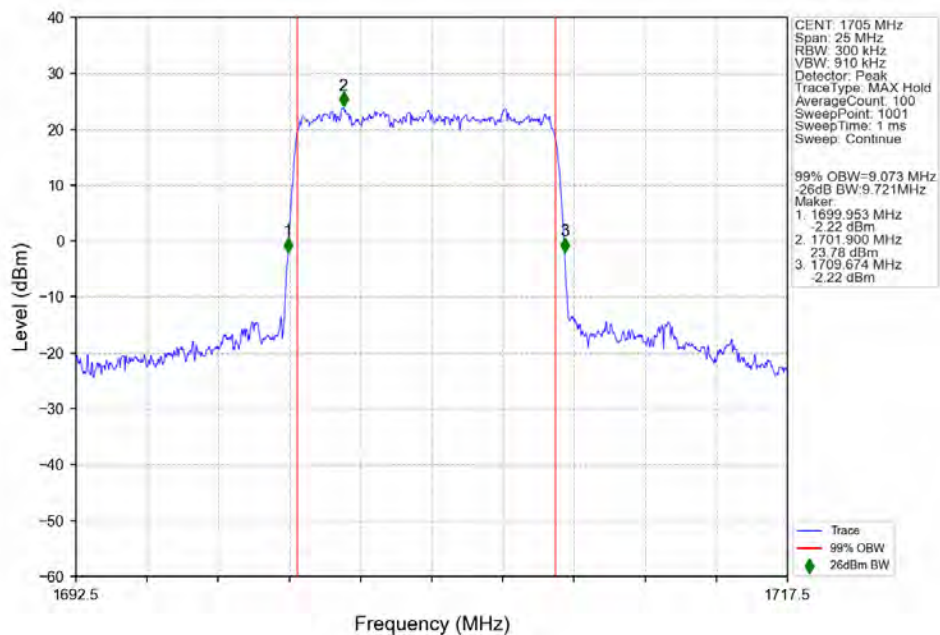
n70 15kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 1700MHz Outer Full Ant1



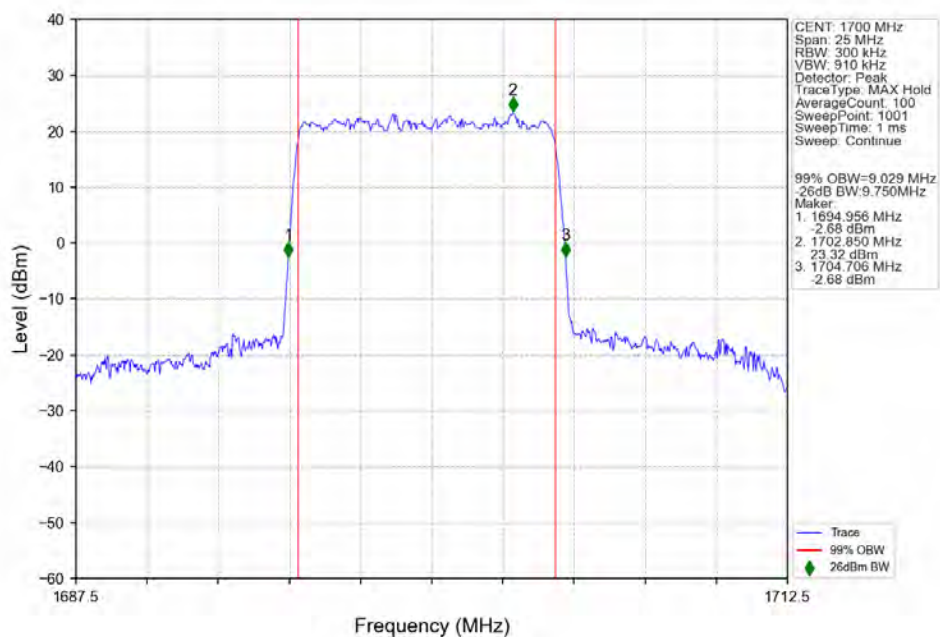
n70 15kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 1702.5MHz Outer Full Ant1



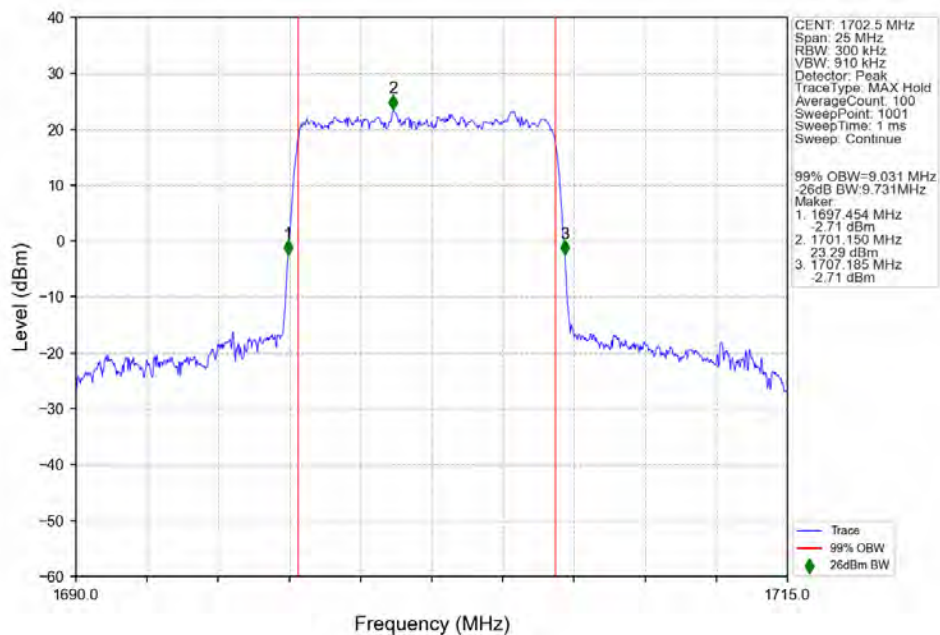
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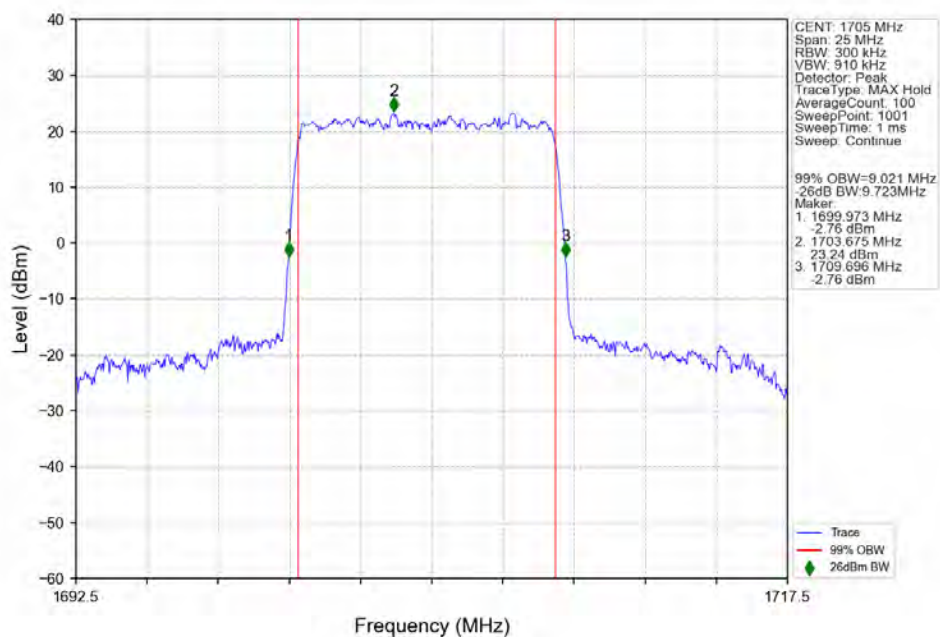
n70 15kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 1700MHz Outer Full Ant1



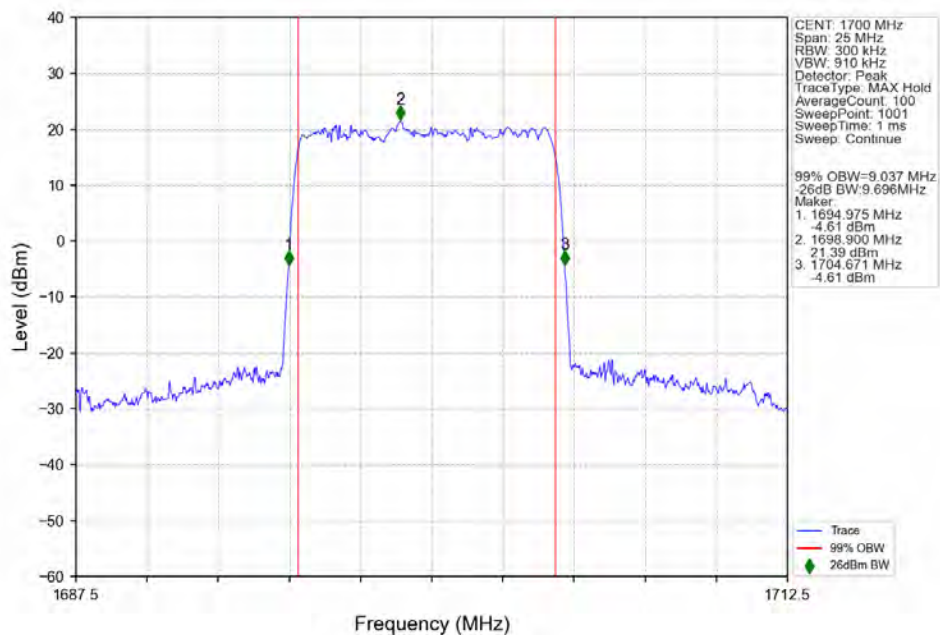
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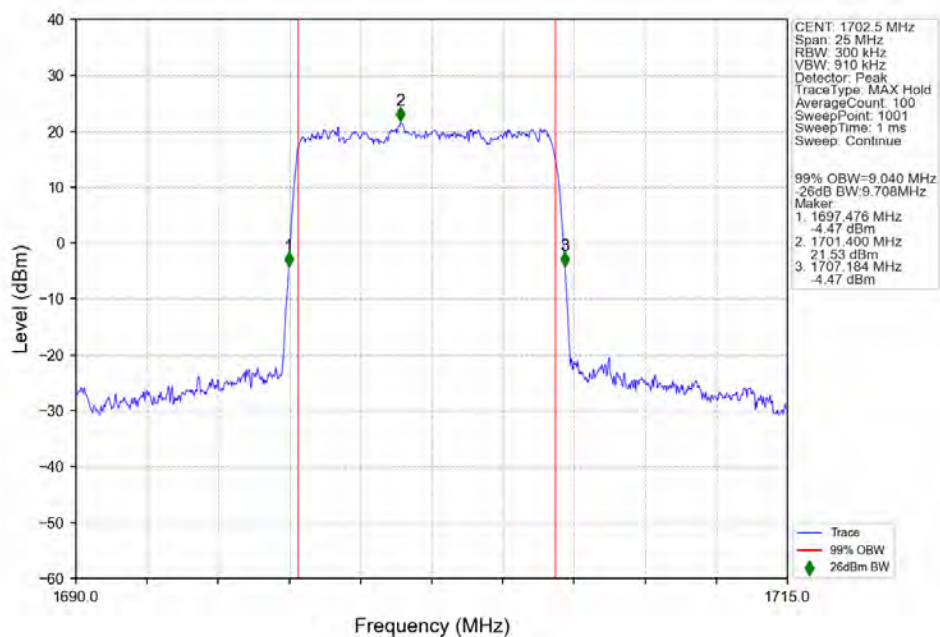
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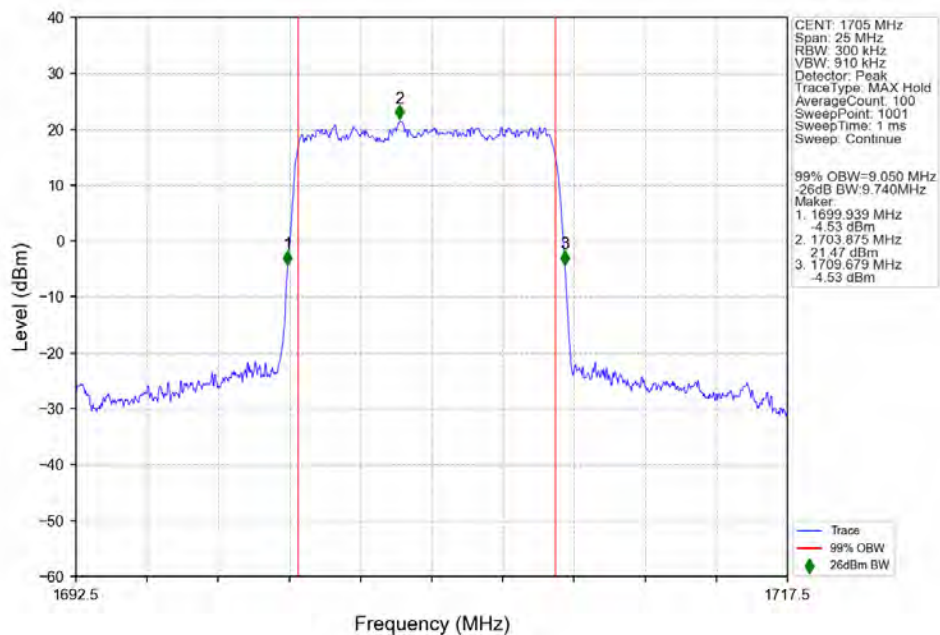
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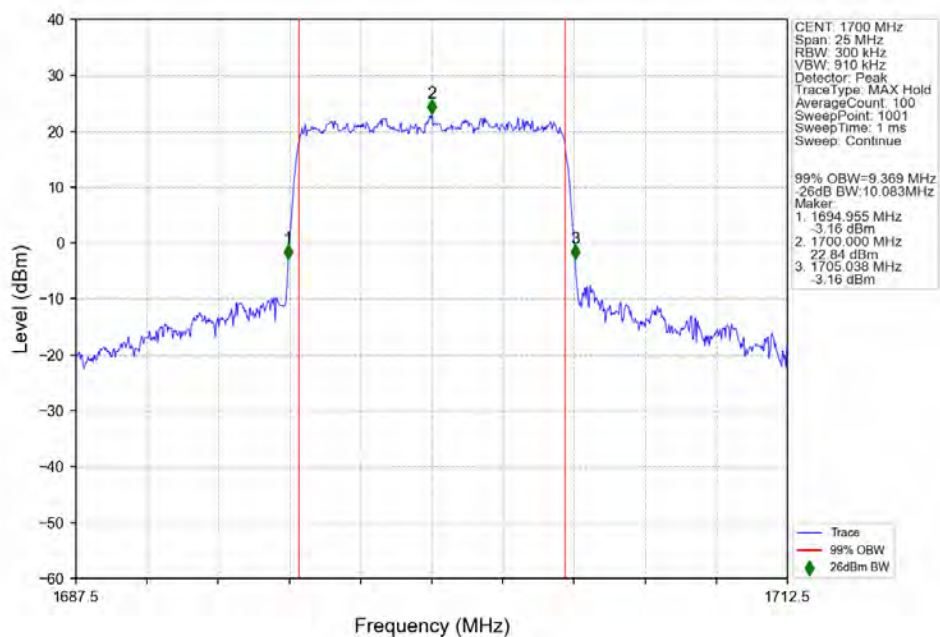
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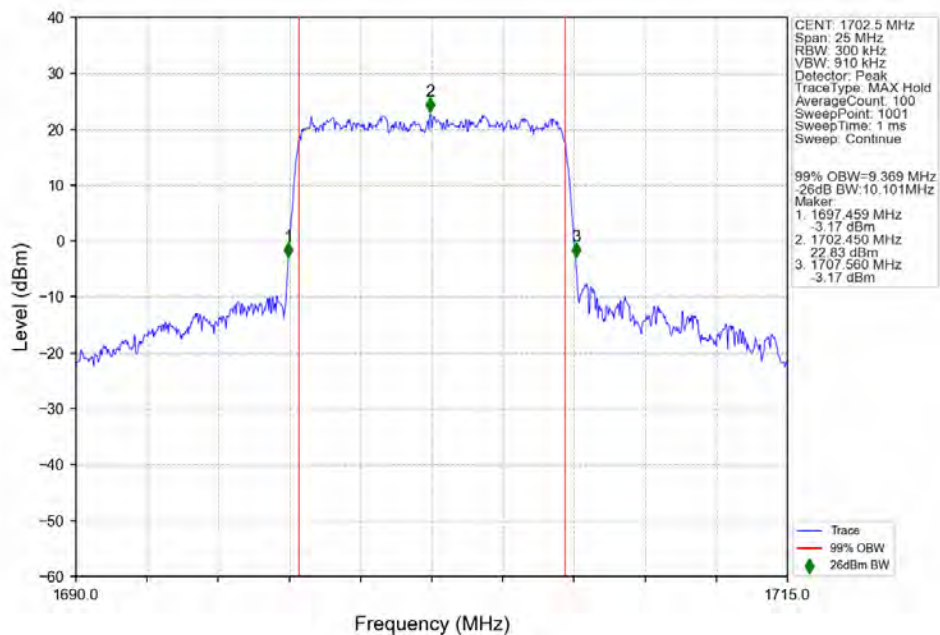
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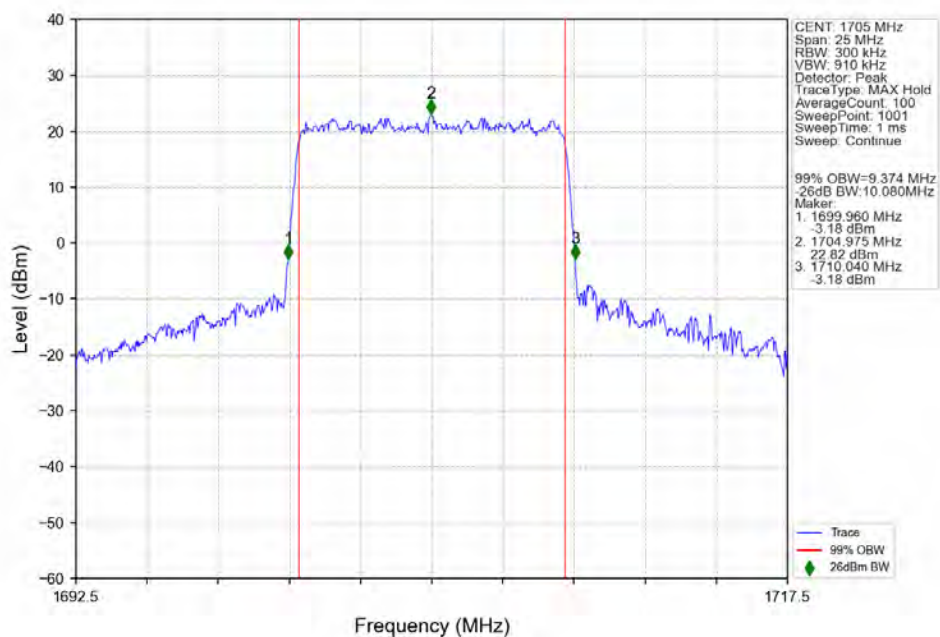
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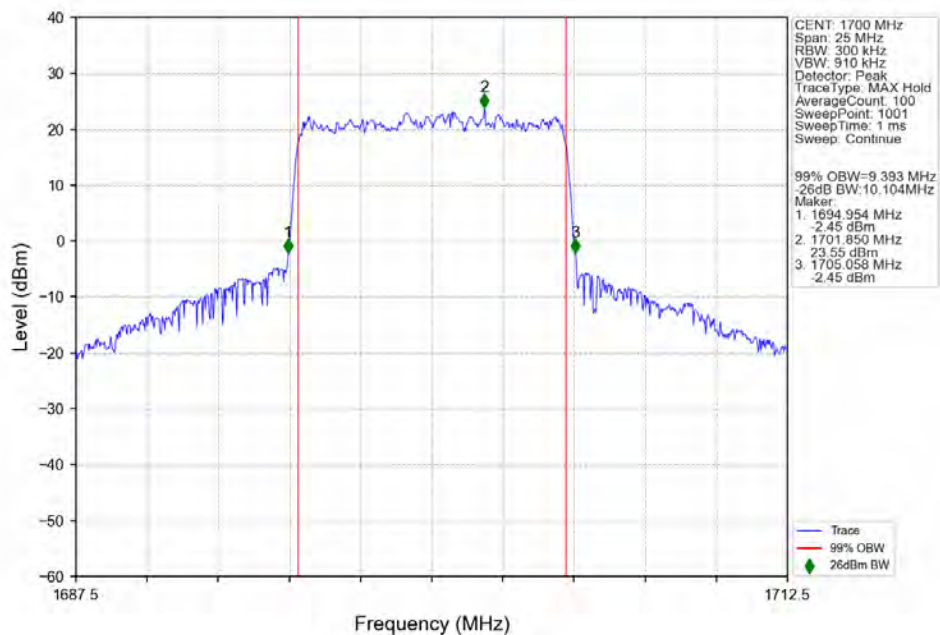
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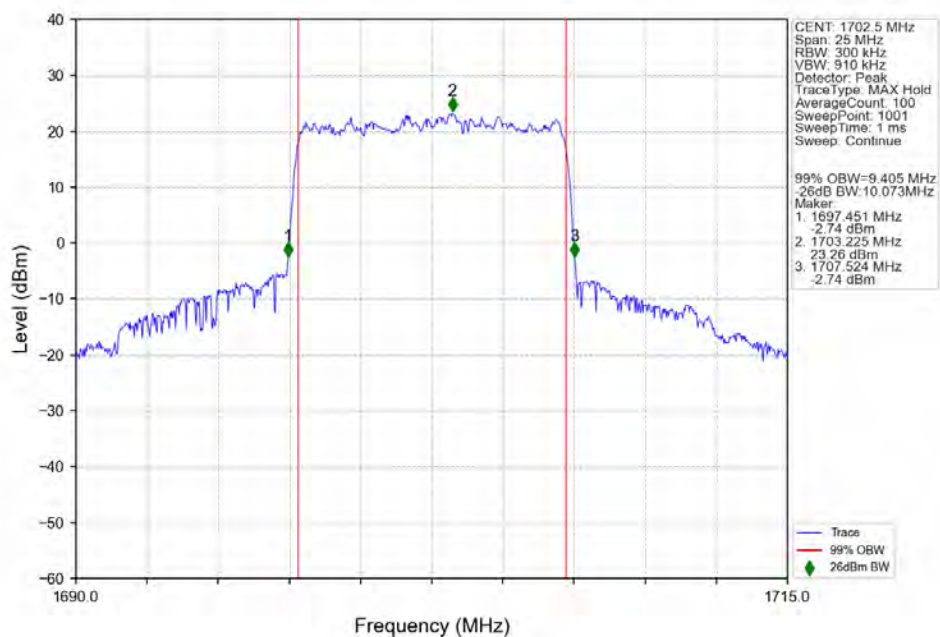
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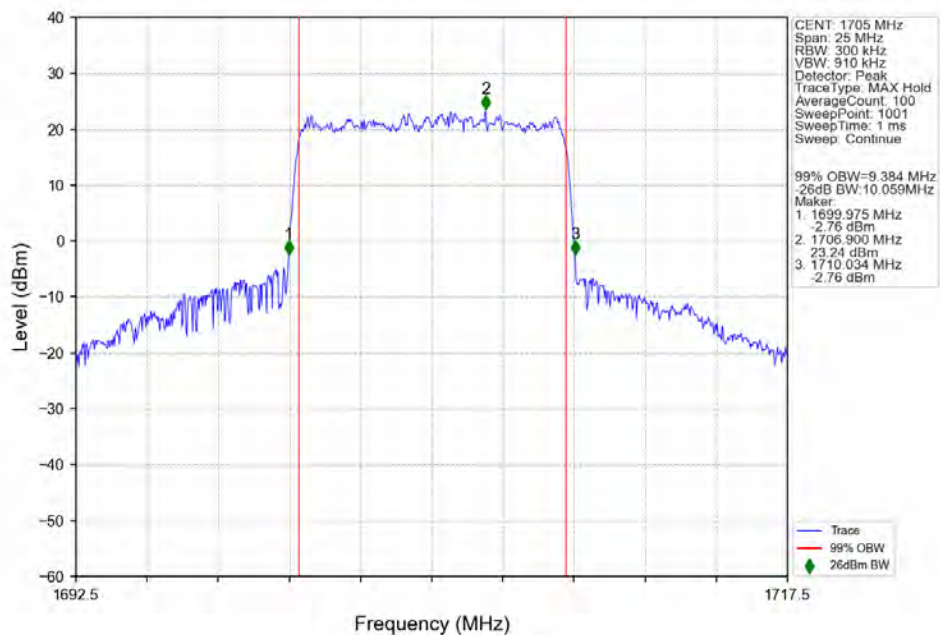
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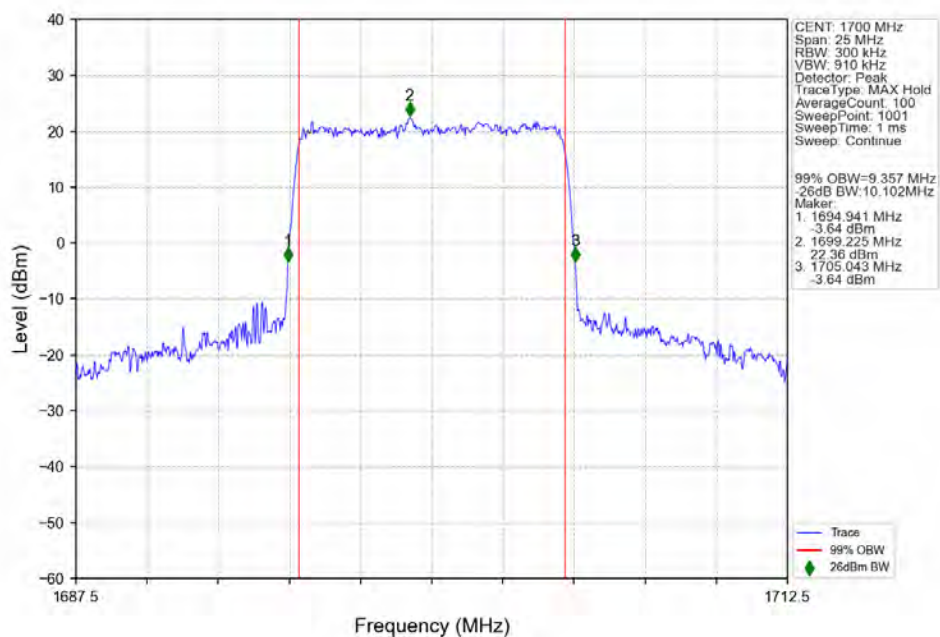
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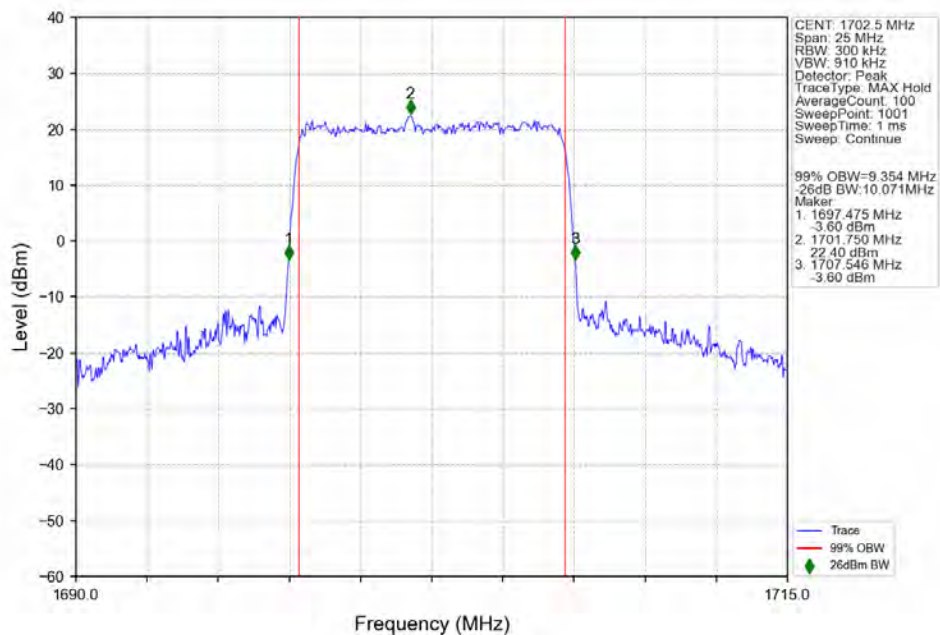
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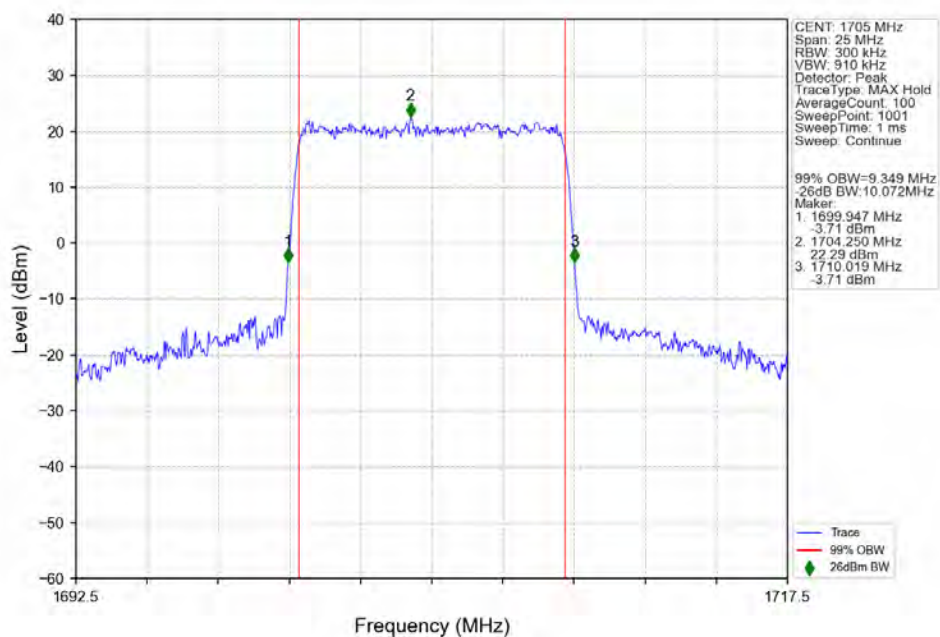
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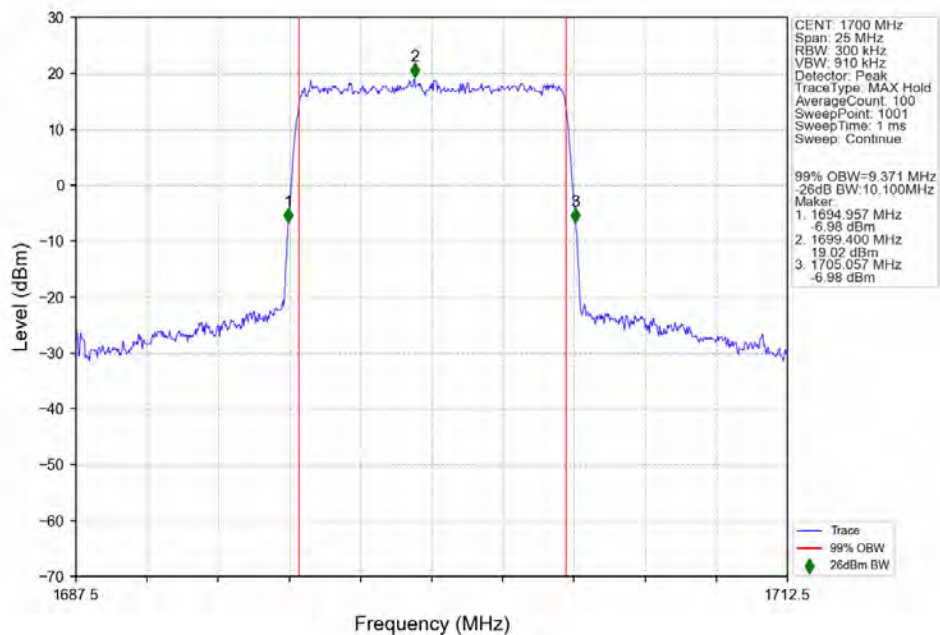
n70 15kHz SISO NTN 10MHz CP-OFDM 64 QAM 1702.5MHz Outer Full Ant1



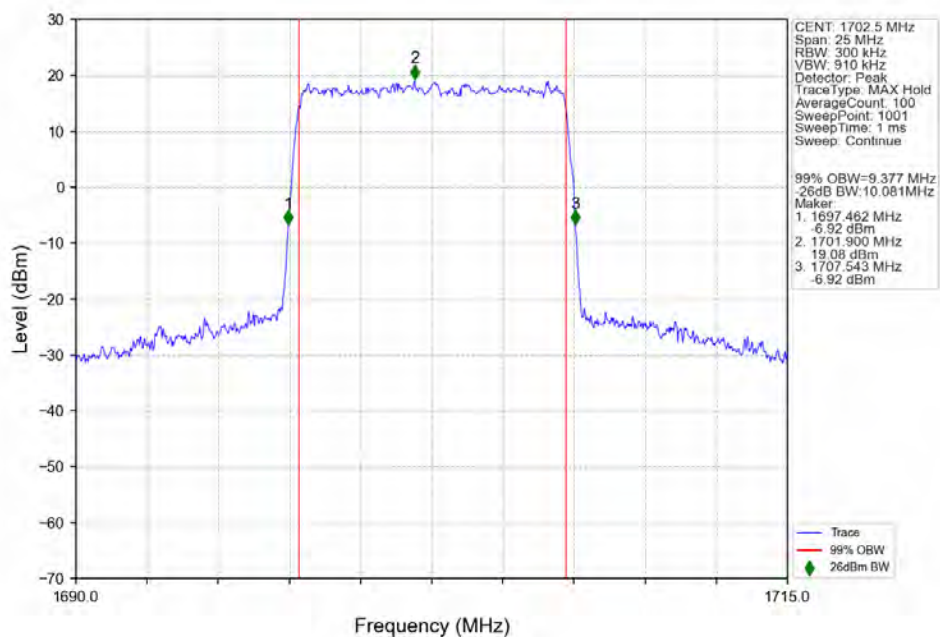
n70 15kHz SISO NTN 10MHz CP-OFDM 64 QAM 1705MHz Outer Full Ant1

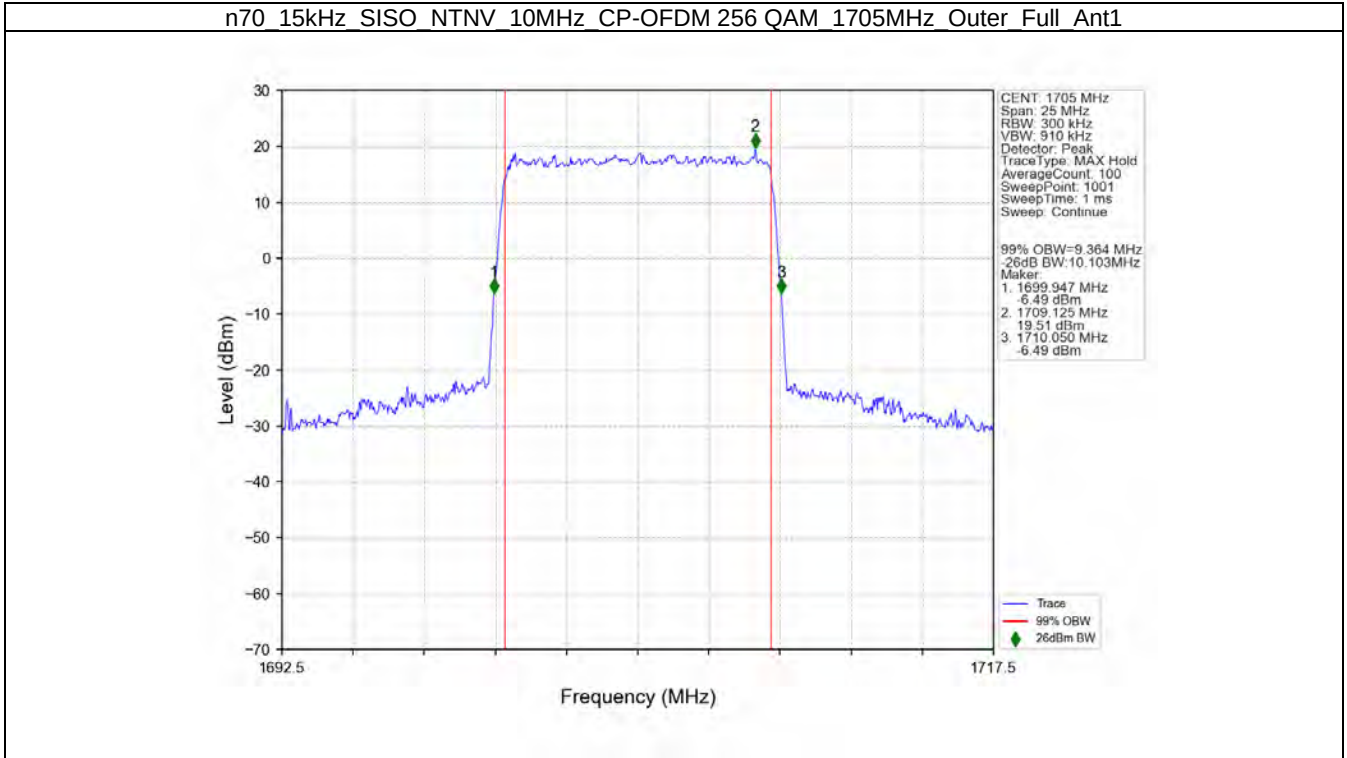


n70 15kHz SISO NTN 10MHz CP-OFDM 256 QAM 1700MHz Outer Full Ant1



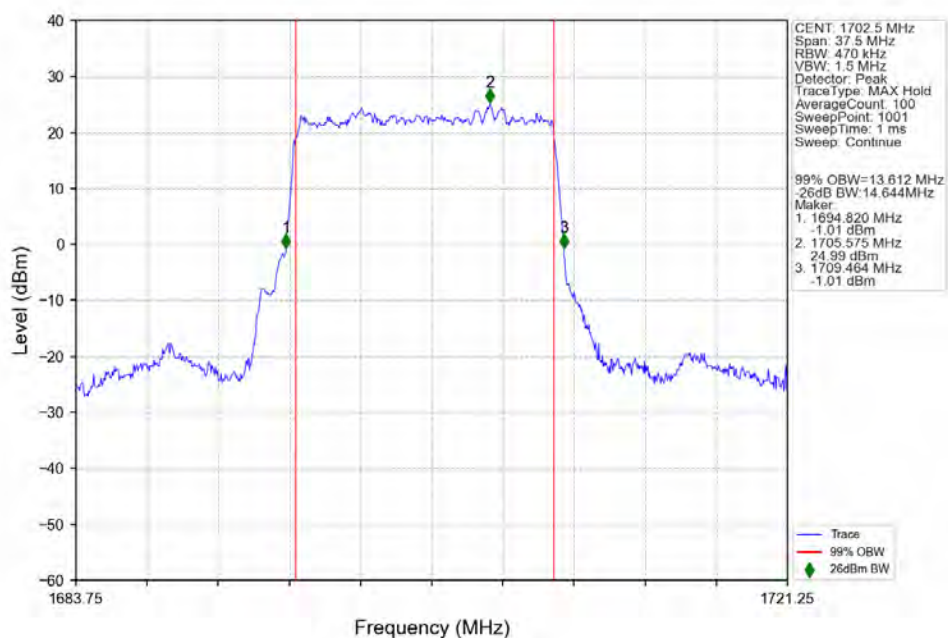
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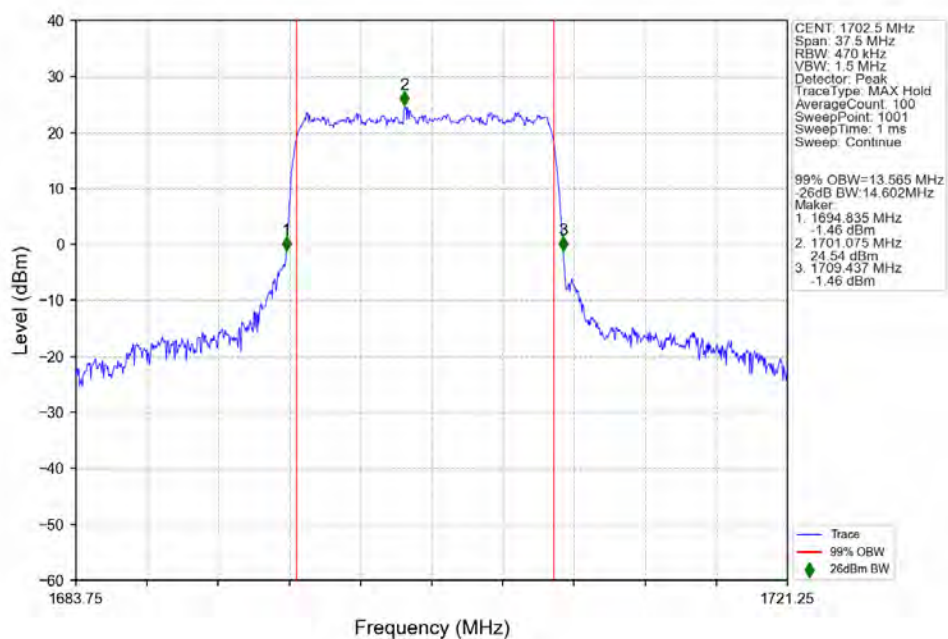


3.2.3 15k_SISO_15MHz_NTNV

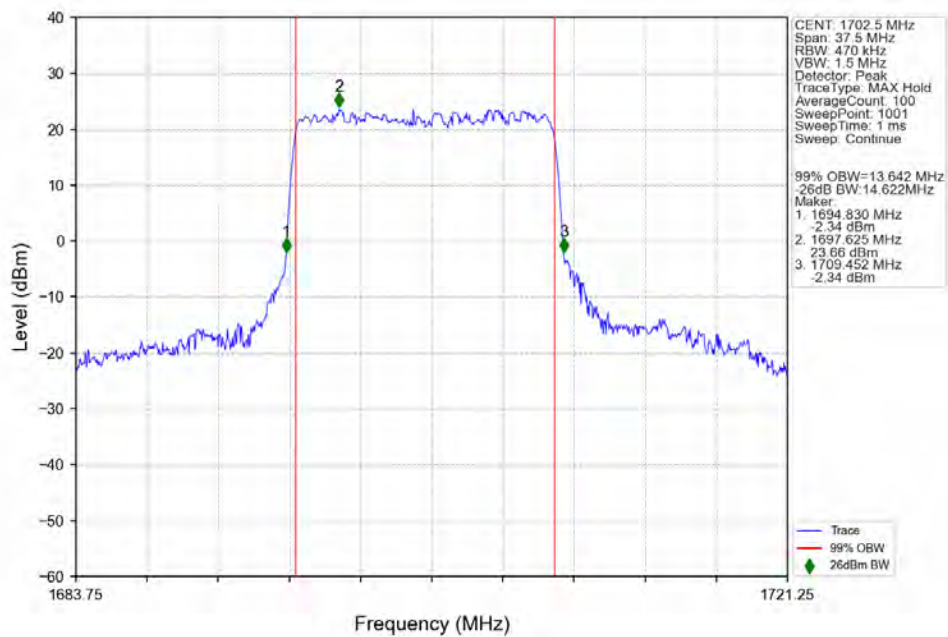
n70_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_1702.5MHz_Outer_Full_Ant1



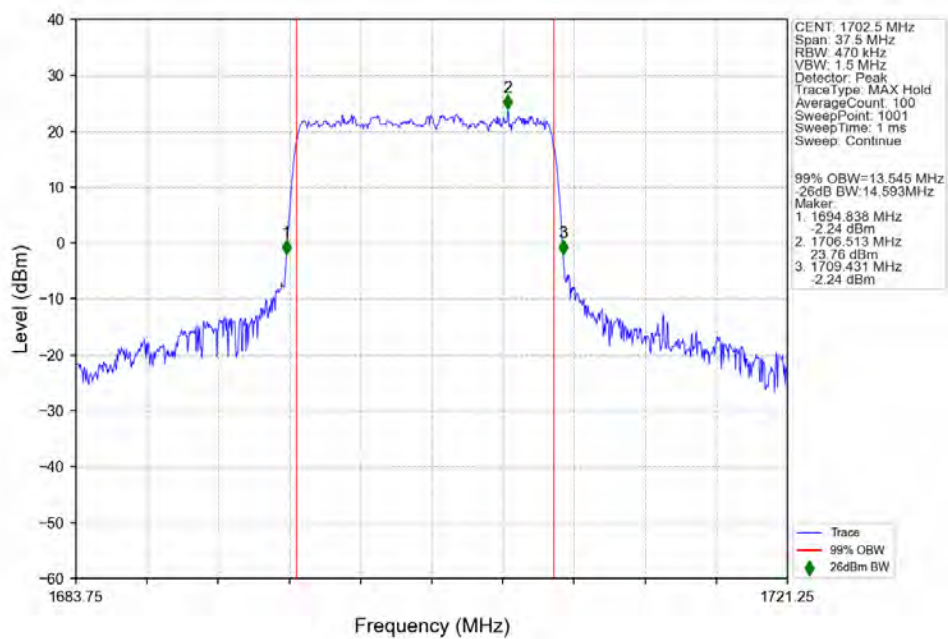
n70_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_1702.5MHz_Outer_Full_Ant1



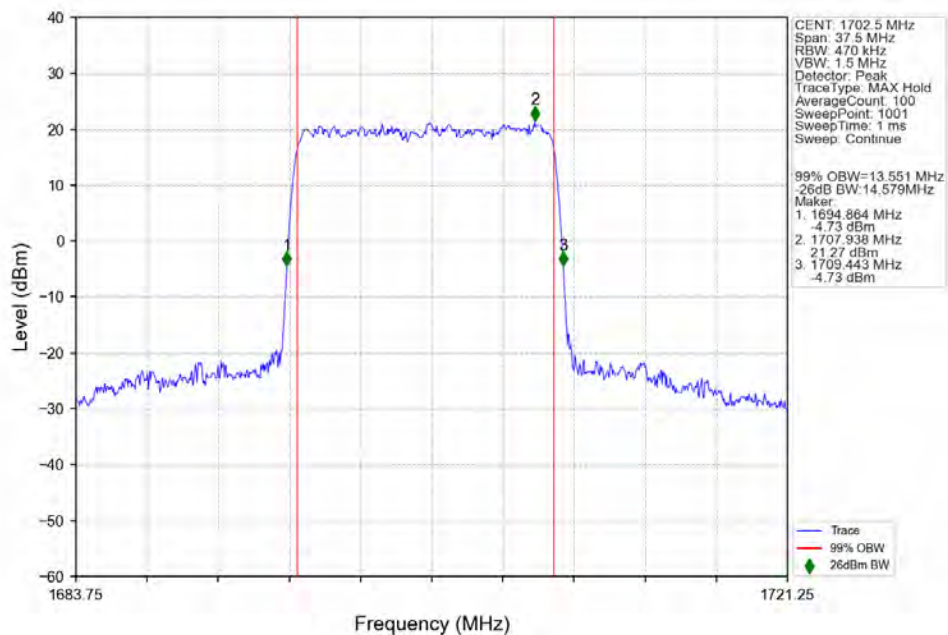
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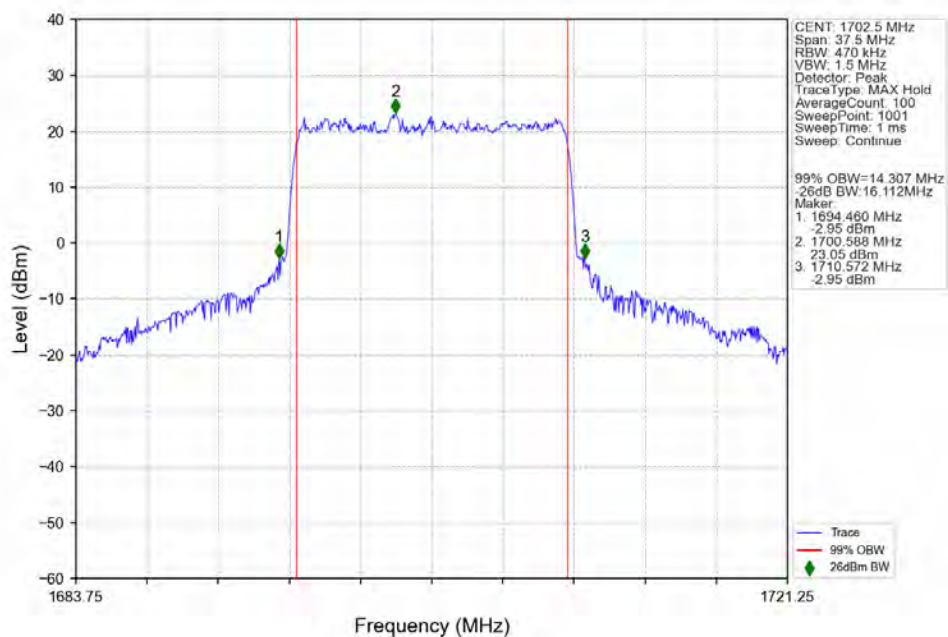
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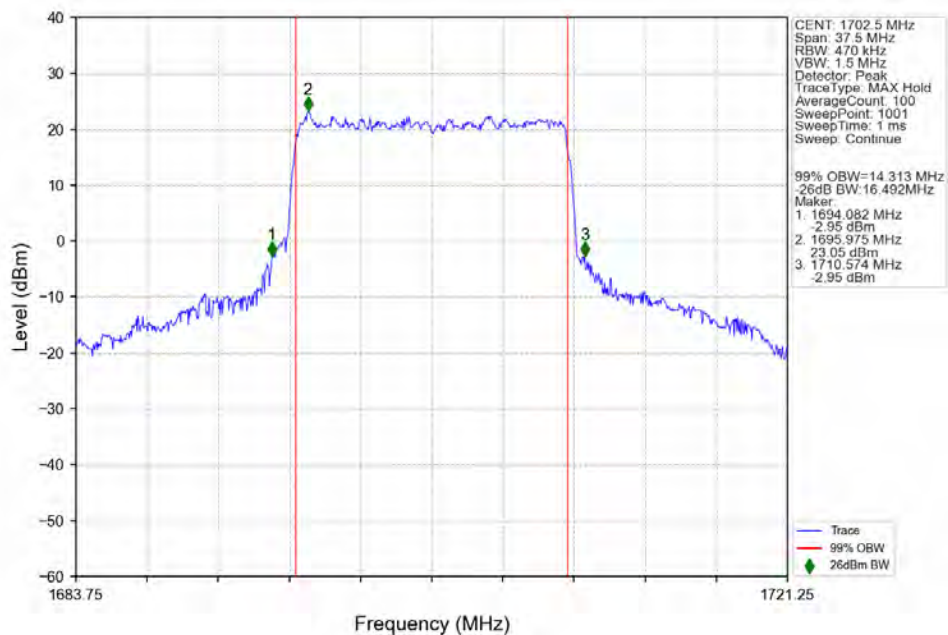
n70 15kHz SISO NTN 15MHz DFT-s-OFDM 256 QAM 1702.5MHz Outer Full Ant1



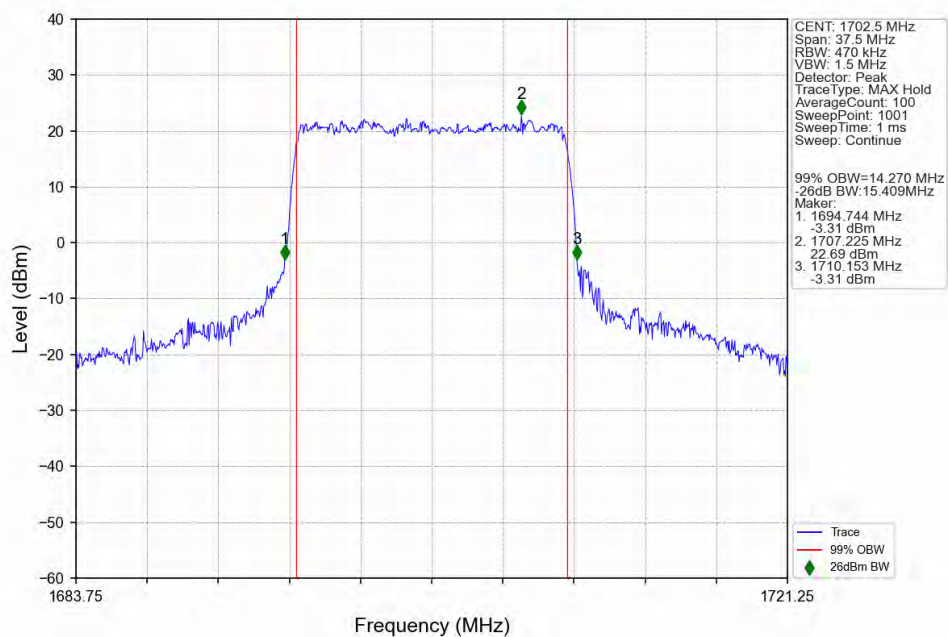
n70 15kHz SISO NTN 15MHz CP-OFDM QPSK 1702.5MHz Outer Full Ant1



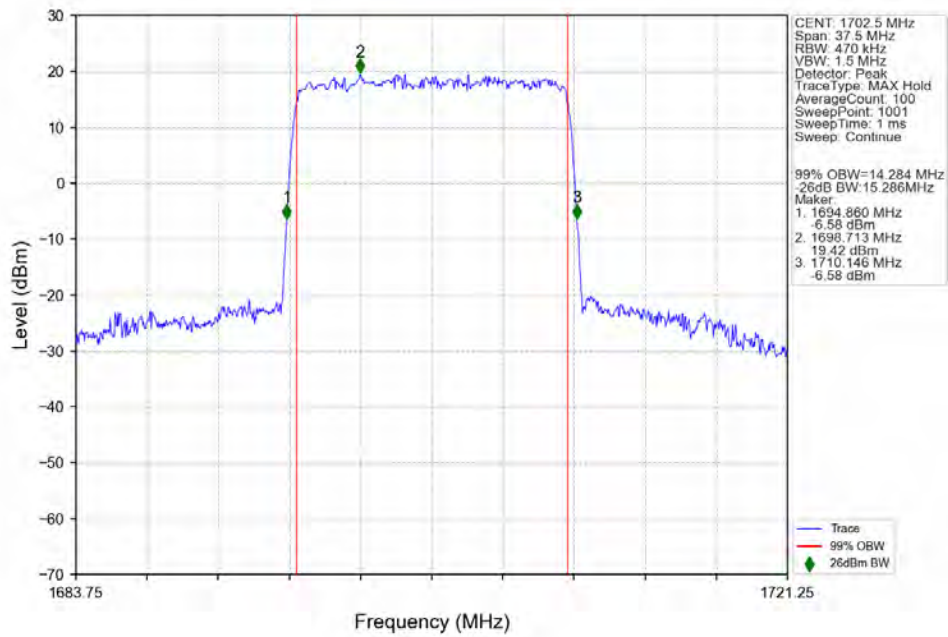
n70 15kHz SISO NTN 15MHz CP-OFDM 16 QAM 1702.5MHz Outer Full Ant1



n70 15kHz SISO NTN 15MHz CP-OFDM 64 QAM 1702.5MHz Outer Full Ant1



n70 15kHz SISO NTN 15MHz CP-OFDM 256 QAM 1702.5MHz Outer Full Ant1



4. Peak-Average Ratio

4.1 Test Result

4.1.1 15k_SISO_5MHz_NTNV

5G NR n70 SCS=15kHz SISO 5MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1697.5	Outer_Full	4.42	/	/	<=13	Pass
	1702.5	Outer_Full	4.36	/	/	<=13	Pass
	1707.5	Outer_Full	4.34	/	/	<=13	Pass
DFT-s-OFDM QPSK	1697.5	Outer_Full	5.65	/	/	<=13	Pass
	1702.5	Outer_Full	5.66	/	/	<=13	Pass
	1707.5	Outer_Full	5.65	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1697.5	Outer_Full	6.14	/	/	<=13	Pass
	1702.5	Outer_Full	6.13	/	/	<=13	Pass
	1707.5	Outer_Full	6.09	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1697.5	Outer_Full	6.60	/	/	<=13	Pass
	1702.5	Outer_Full	6.54	/	/	<=13	Pass
	1707.5	Outer_Full	6.51	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1697.5	Outer_Full	6.87	/	/	<=13	Pass
	1702.5	Outer_Full	6.86	/	/	<=13	Pass
	1707.5	Outer_Full	6.83	/	/	<=13	Pass
CP-OFDM QPSK	1697.5	Outer_Full	8.02	/	/	<=13	Pass
	1702.5	Outer_Full	8.01	/	/	<=13	Pass
	1707.5	Outer_Full	7.97	/	/	<=13	Pass
CP-OFDM 16 QAM	1697.5	Outer_Full	8.16	/	/	<=13	Pass
	1702.5	Outer_Full	8.17	/	/	<=13	Pass
	1707.5	Outer_Full	8.12	/	/	<=13	Pass
CP-OFDM 64 QAM	1697.5	Outer_Full	8.22	/	/	<=13	Pass
	1702.5	Outer_Full	8.22	/	/	<=13	Pass
	1707.5	Outer_Full	8.16	/	/	<=13	Pass
CP-OFDM 256 QAM	1697.5	Outer_Full	8.71	/	/	<=13	Pass
	1702.5	Outer_Full	8.67	/	/	<=13	Pass
	1707.5	Outer_Full	8.64	/	/	<=13	Pass

4.1.2 15k_SISO_10MHz_NTNV

5G NR n70 SCS=15kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1700	Outer_Full	4.35	/	/	<=13	Pass
	1702.5	Outer_Full	4.32	/	/	<=13	Pass
	1705	Outer_Full	4.34	/	/	<=13	Pass
DFT-s-OFDM QPSK	1700	Outer_Full	5.62	/	/	<=13	Pass
	1702.5	Outer_Full	5.60	/	/	<=13	Pass
	1705	Outer_Full	5.57	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1700	Outer_Full	6.27	/	/	<=13	Pass
	1702.5	Outer_Full	6.26	/	/	<=13	Pass
	1705	Outer_Full	6.24	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1700	Outer_Full	6.42	/	/	<=13	Pass
	1702.5	Outer_Full	6.42	/	/	<=13	Pass
	1705	Outer_Full	6.41	/	/	<=13	Pass

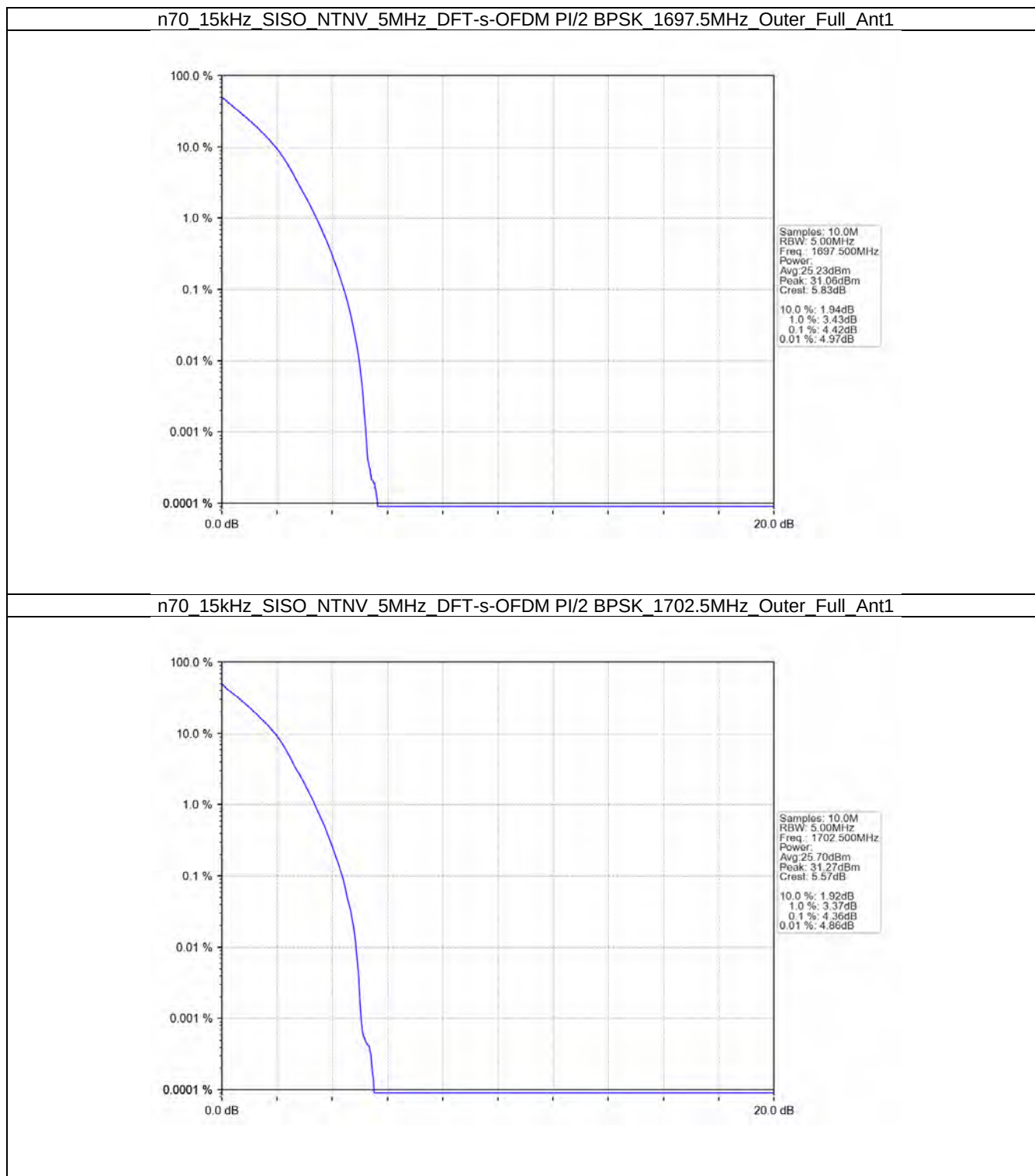
DFT-s-OFDM 256 QAM	1700	Outer_Full	6.62	/	/	<=13	Pass
	1702.5	Outer_Full	6.60	/	/	<=13	Pass
	1705	Outer_Full	6.60	/	/	<=13	Pass
CP-OFDM QPSK	1700	Outer_Full	8.06	/	/	<=13	Pass
	1702.5	Outer_Full	8.06	/	/	<=13	Pass
	1705	Outer_Full	8.04	/	/	<=13	Pass
CP-OFDM 16 QAM	1700	Outer_Full	8.18	/	/	<=13	Pass
	1702.5	Outer_Full	8.18	/	/	<=13	Pass
	1705	Outer_Full	8.15	/	/	<=13	Pass
CP-OFDM 64 QAM	1700	Outer_Full	8.06	/	/	<=13	Pass
	1702.5	Outer_Full	8.07	/	/	<=13	Pass
	1705	Outer_Full	8.06	/	/	<=13	Pass
CP-OFDM 256 QAM	1700	Outer_Full	8.39	/	/	<=13	Pass
	1702.5	Outer_Full	8.38	/	/	<=13	Pass
	1705	Outer_Full	8.35	/	/	<=13	Pass

4.1.3 15k_SISO_15MHz_NTNV

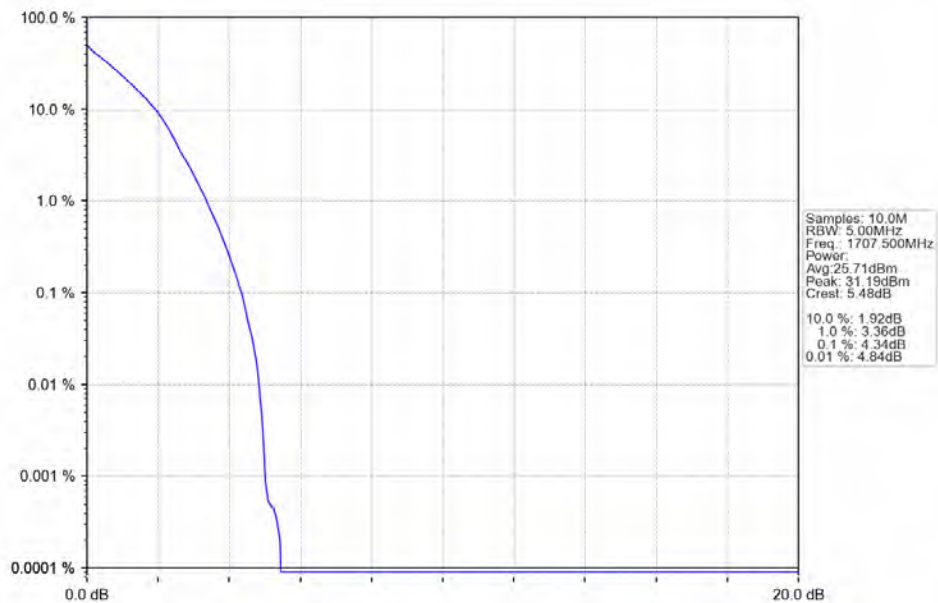
5G NR n70 SCS=15kHz SISO 15MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1702.5	Outer_Full	4.33	/	/	<=13	Pass
DFT-s-OFDM QPSK	1702.5	Outer_Full	5.53	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1702.5	Outer_Full	6.18	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1702.5	Outer_Full	6.33	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1702.5	Outer_Full	6.64	/	/	<=13	Pass
CP-OFDM QPSK	1702.5	Outer_Full	7.93	/	/	<=13	Pass
CP-OFDM 16 QAM	1702.5	Outer_Full	8.00	/	/	<=13	Pass
CP-OFDM 64 QAM	1702.5	Outer_Full	8.09	/	/	<=13	Pass
CP-OFDM 256 QAM	1702.5	Outer_Full	8.66	/	/	<=13	Pass

4.2 Test Graph

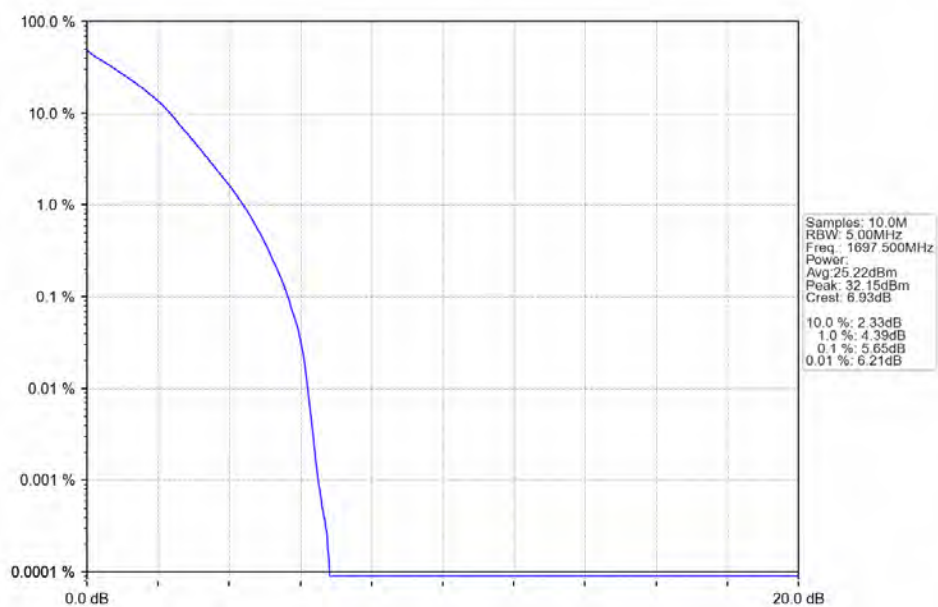
4.2.1 15k_SISO_5MHz_NTNV



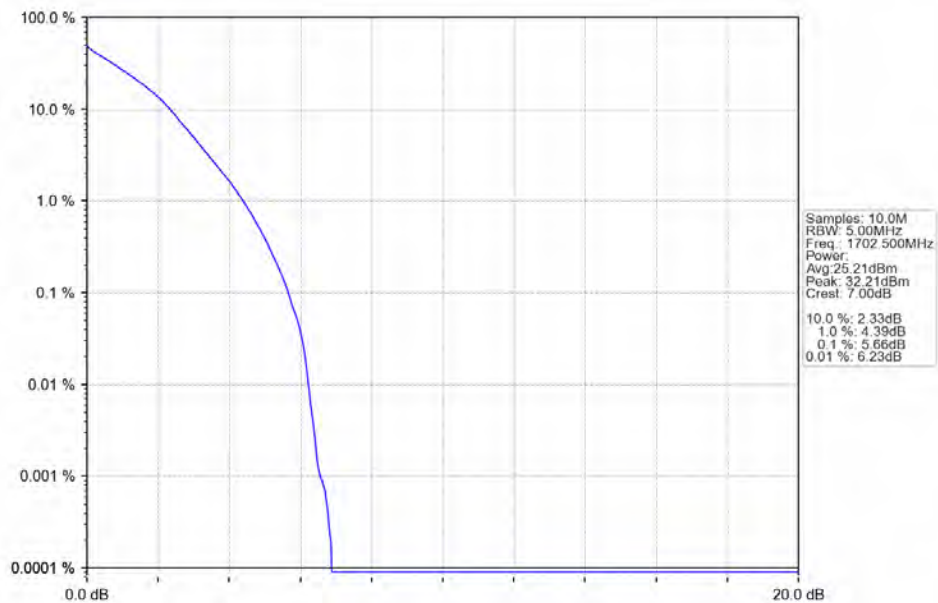
n70 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 1707.5MHz Outer Full Ant1



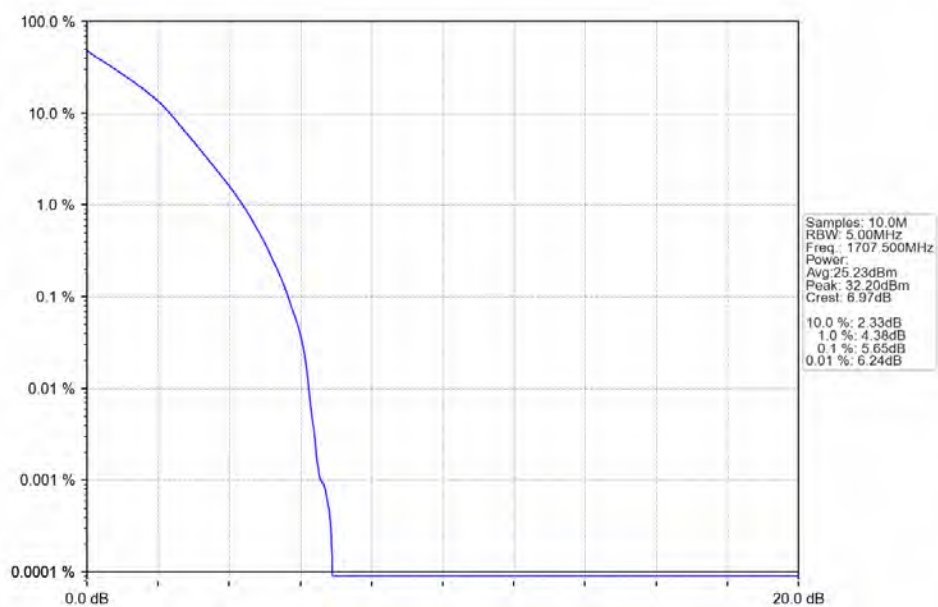
n70 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 1697.5MHz Outer Full Ant1



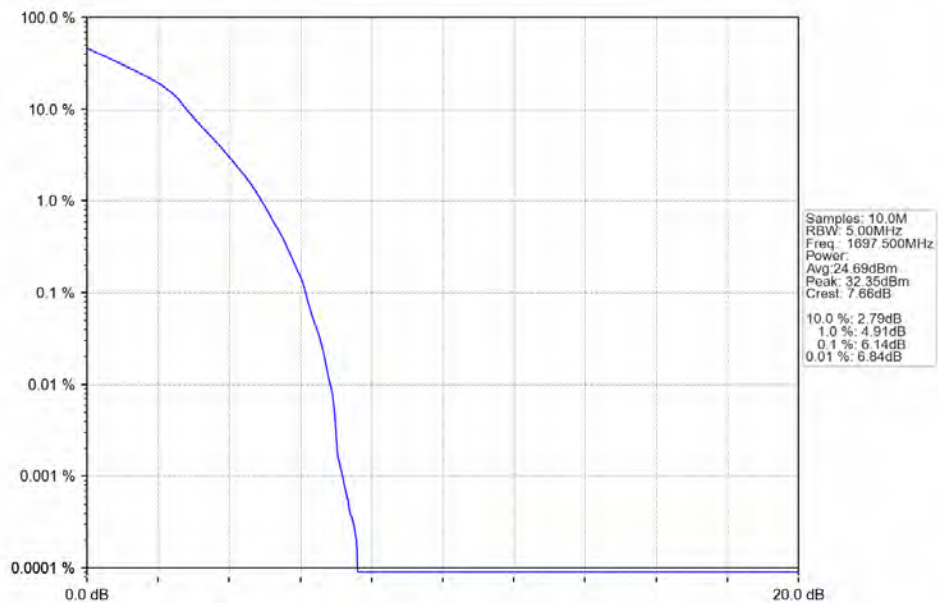
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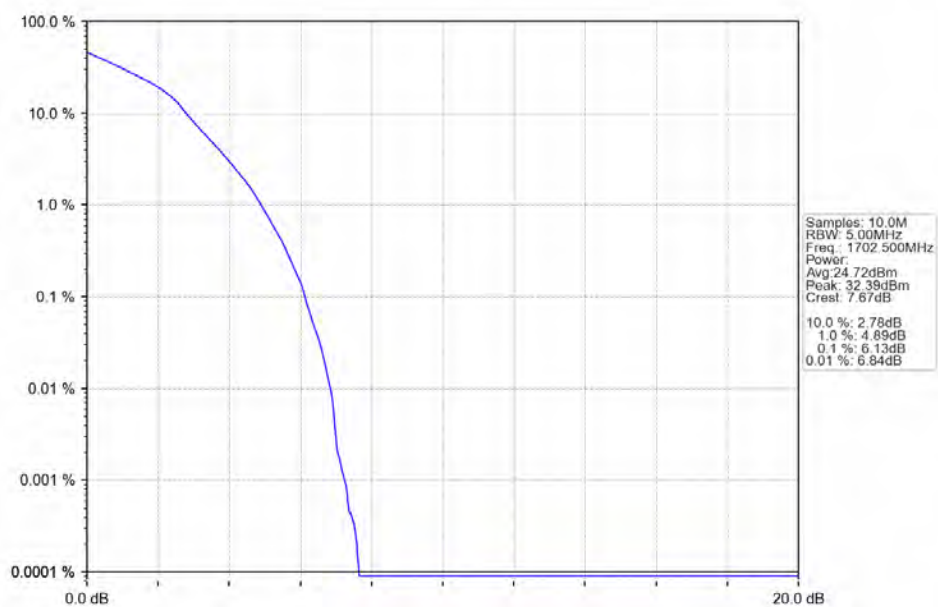
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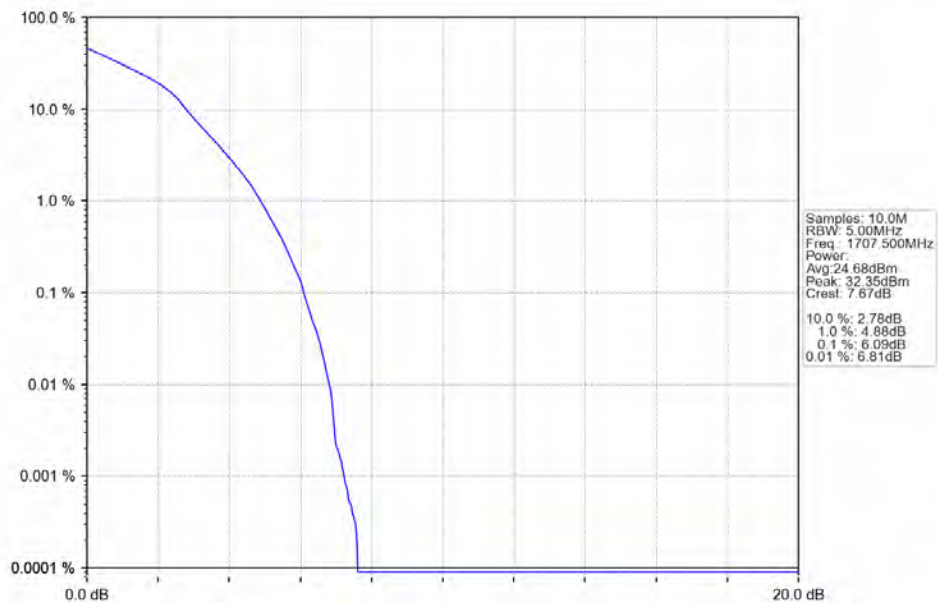
n70 15kHz SISO NTN 5MHz DFT-s-OFDM 16 QAM 1697.5MHz Outer Full Ant1



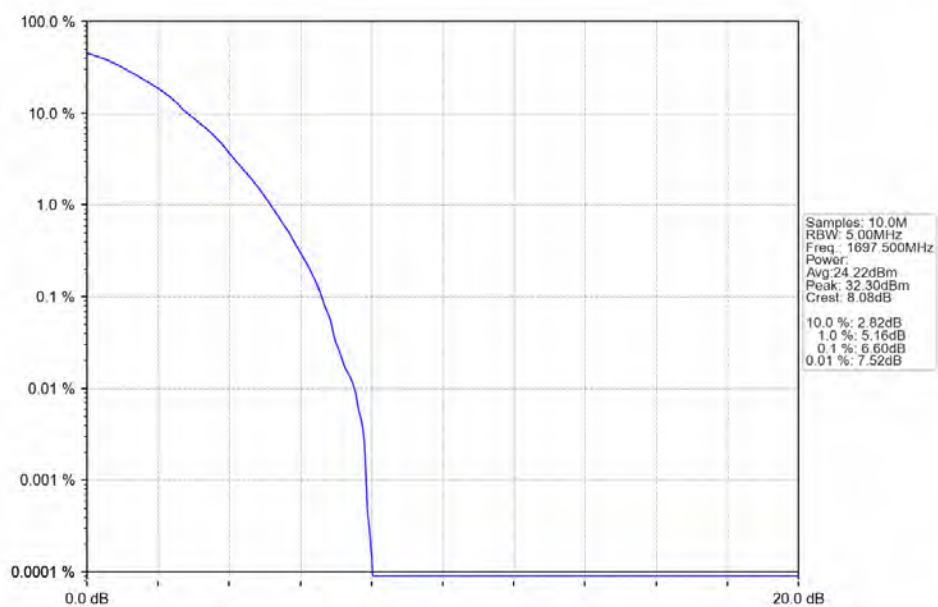
n70 15kHz SISO NTN 5MHz DFT-s-OFDM 16 QAM 1702.5MHz Outer Full Ant1



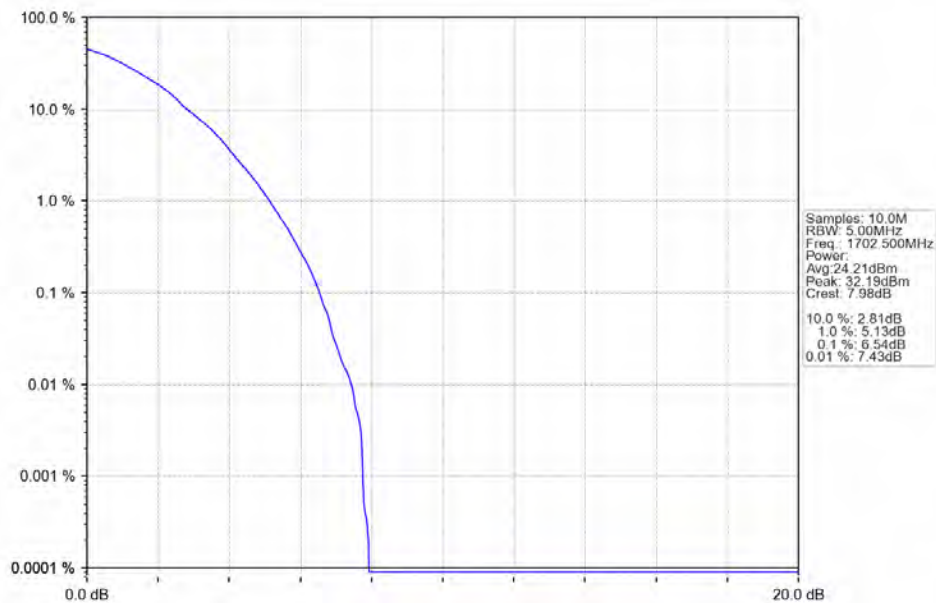
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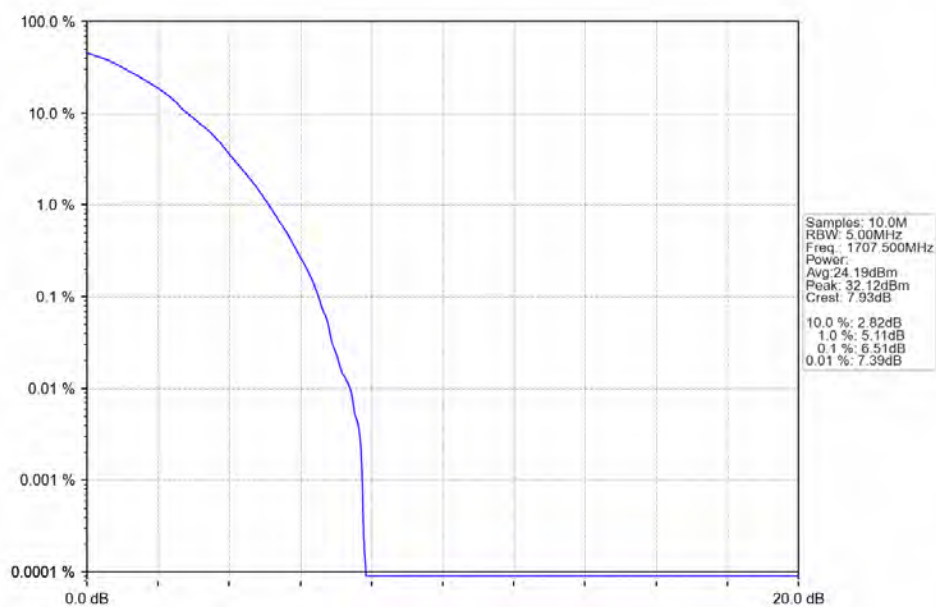
n70 15kHz SISO NTN 5MHz DFT-s-OFDM 64 QAM 1697.5MHz Outer Full Ant1



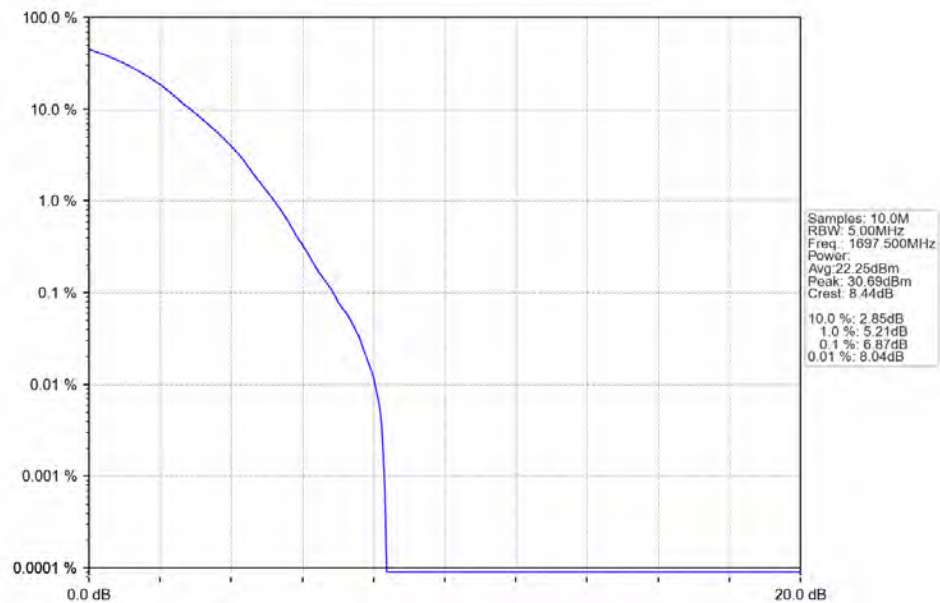
n70 15kHz SISO NTN 5MHz DFT-s-OFDM 64 QAM 1702.5MHz Outer Full Ant1



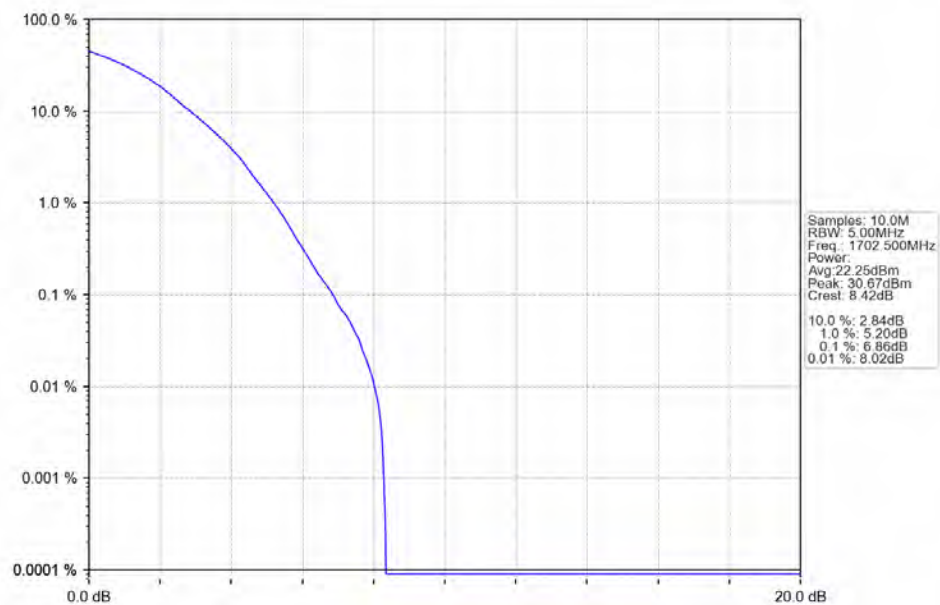
n70 15kHz SISO NTN 5MHz DFT-s-OFDM 64 QAM 1707.5MHz Outer Full Ant1



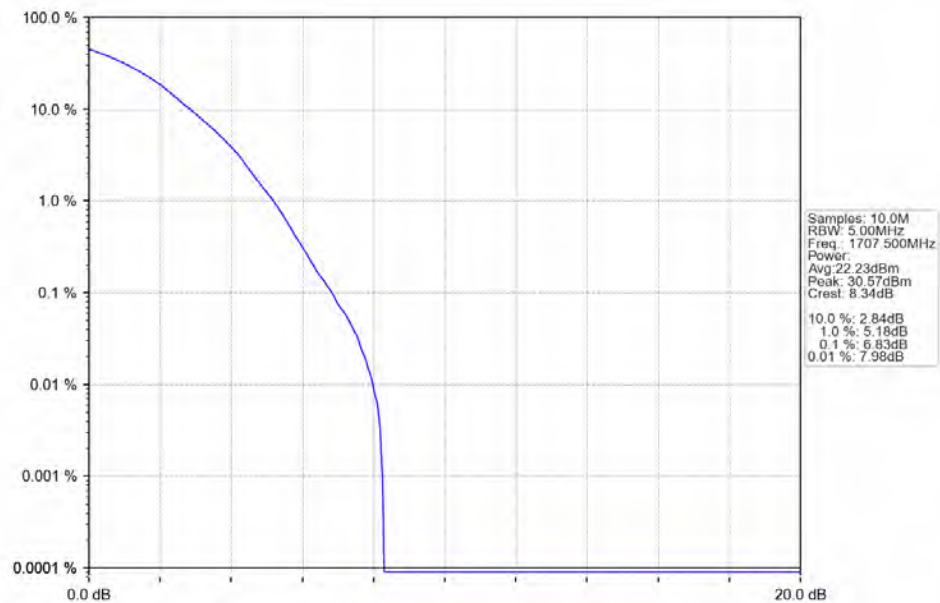
n70 15kHz SISO NTN 5MHz DFT-s-OFDM 256 QAM 1697.5MHz Outer Full Ant1



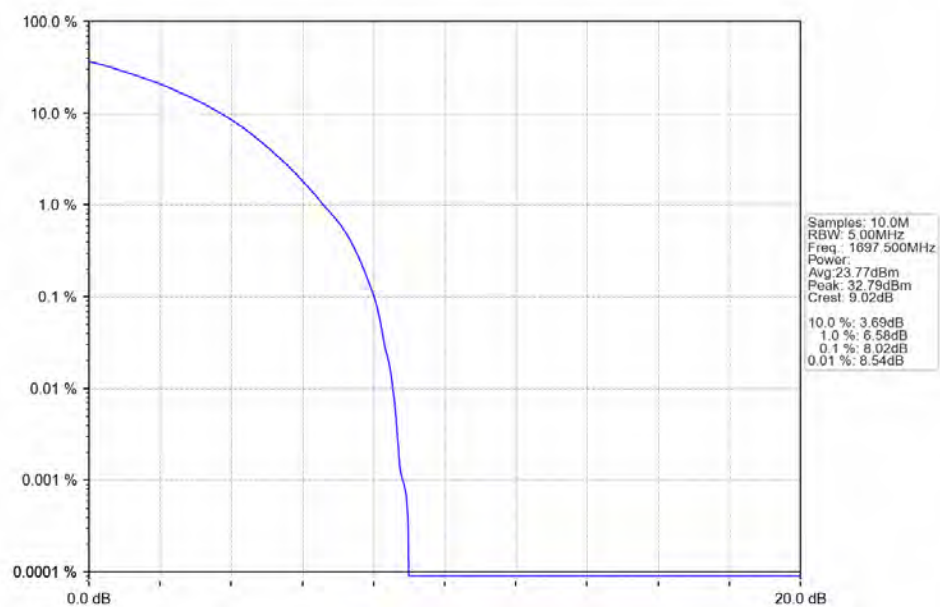
n70 15kHz SISO NTN 5MHz DFT-s-OFDM 256 QAM 1702.5MHz Outer Full Ant1



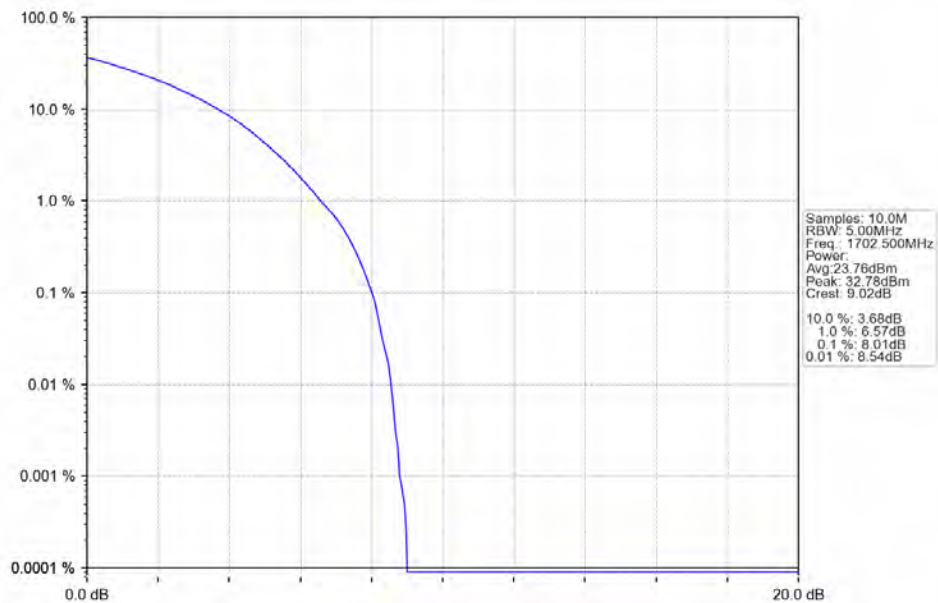
n70 15kHz SISO NTN 5MHz DFT-s-OFDM 256 QAM 1707.5MHz Outer Full Ant1



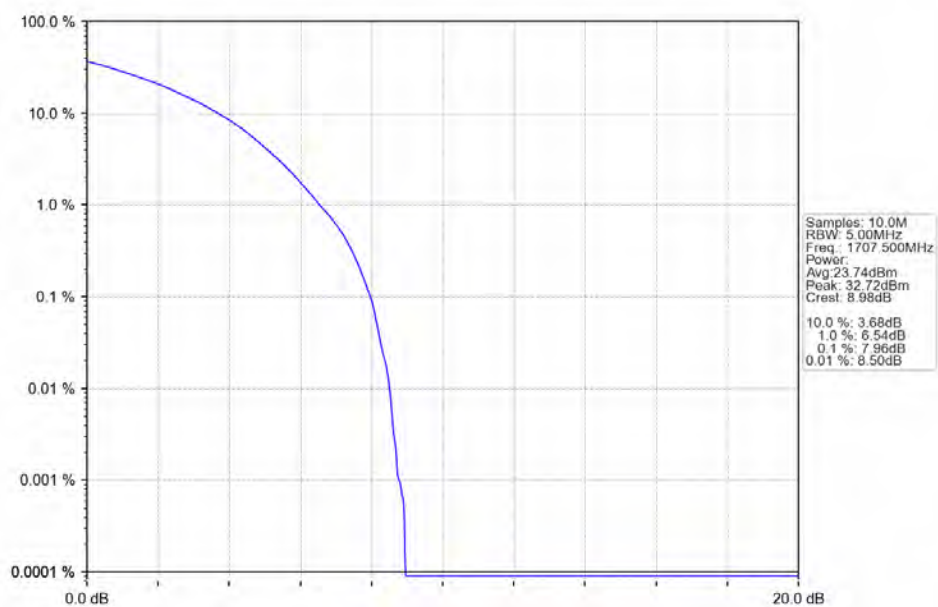
n70 15kHz SISO NTN 5MHz CP-OFDM QPSK 1697.5MHz Outer Full Ant1



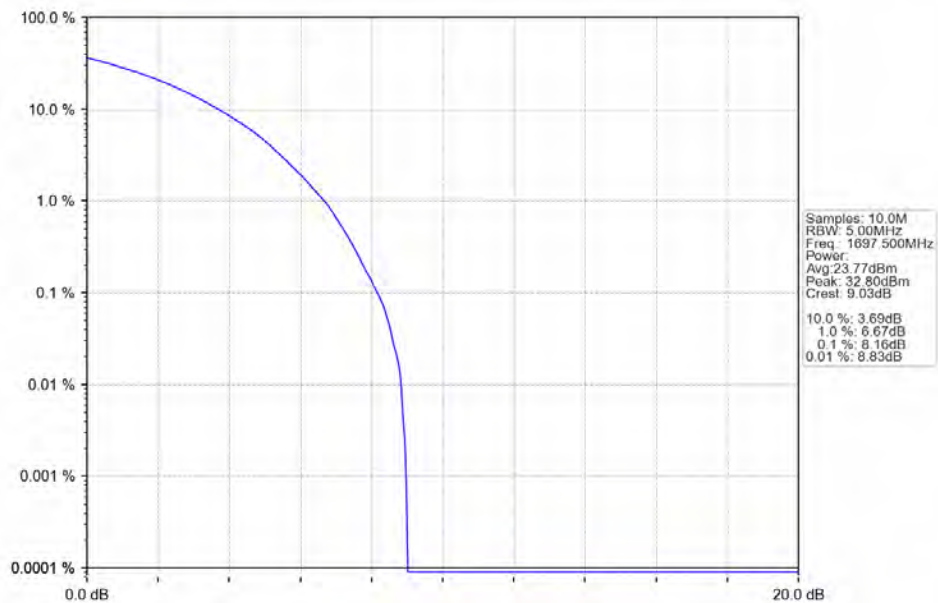
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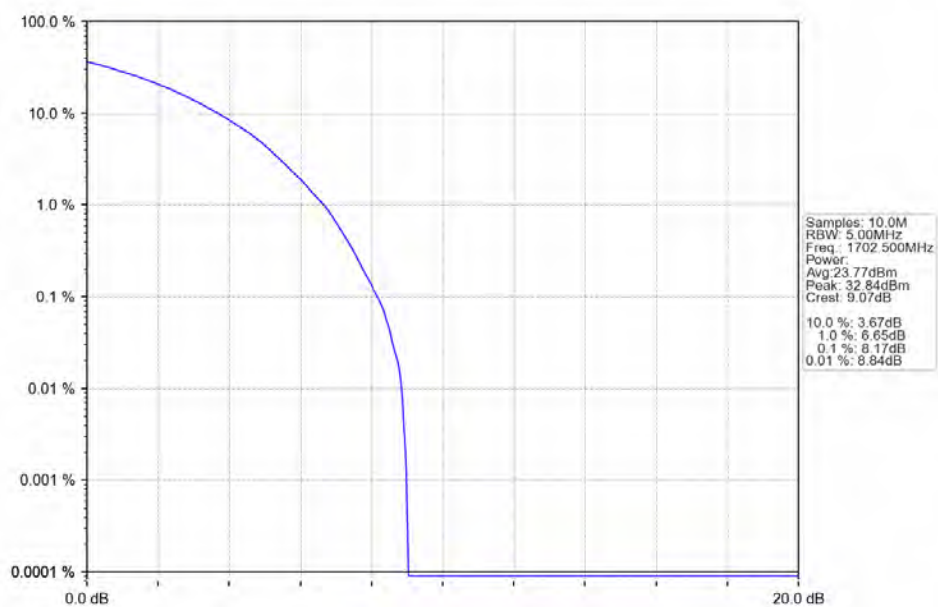
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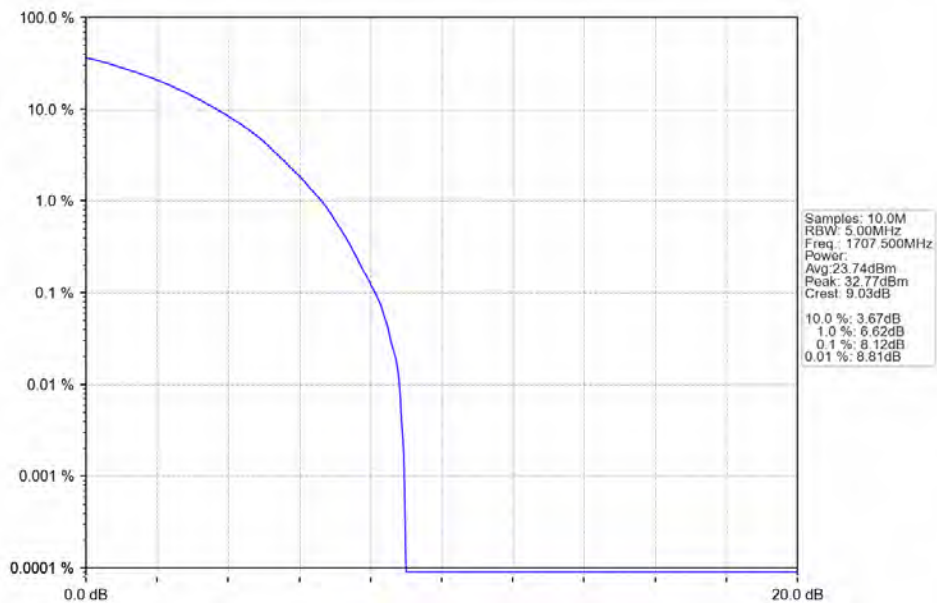
n70 15kHz SISO NTN 5MHz CP-OFDM 16 QAM 1697.5MHz Outer Full Ant1



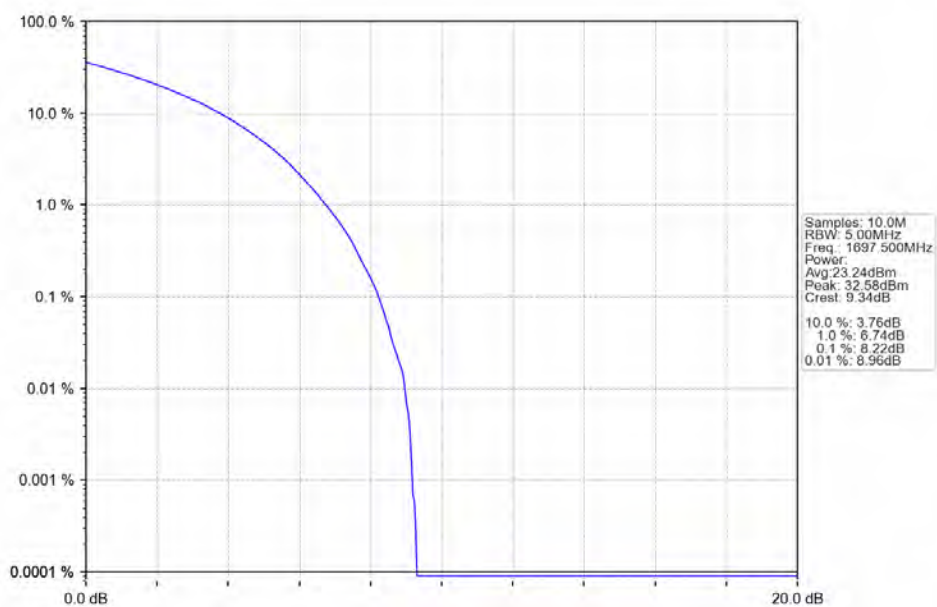
n70 15kHz SISO NTN 5MHz CP-OFDM 16 QAM 1702.5MHz Outer Full Ant1



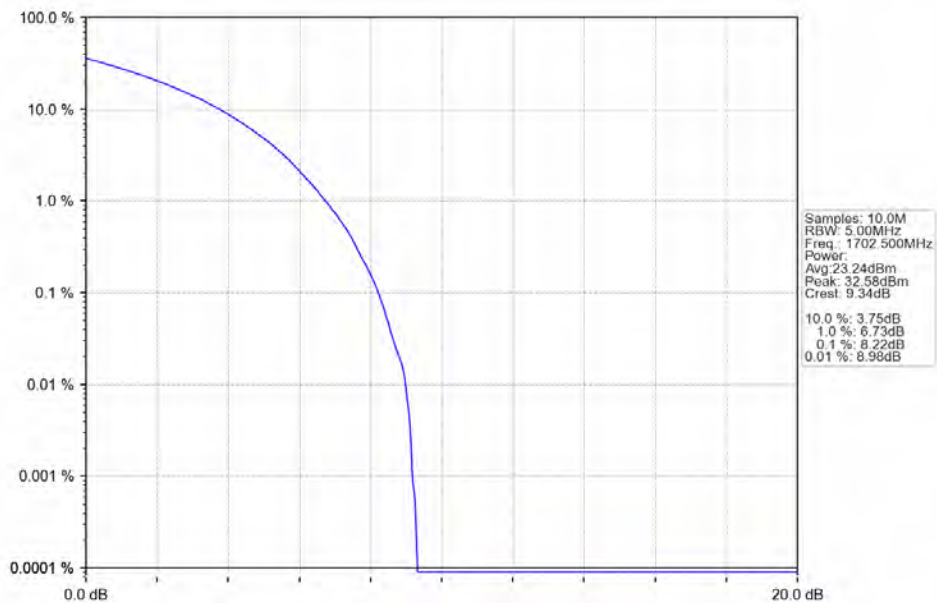
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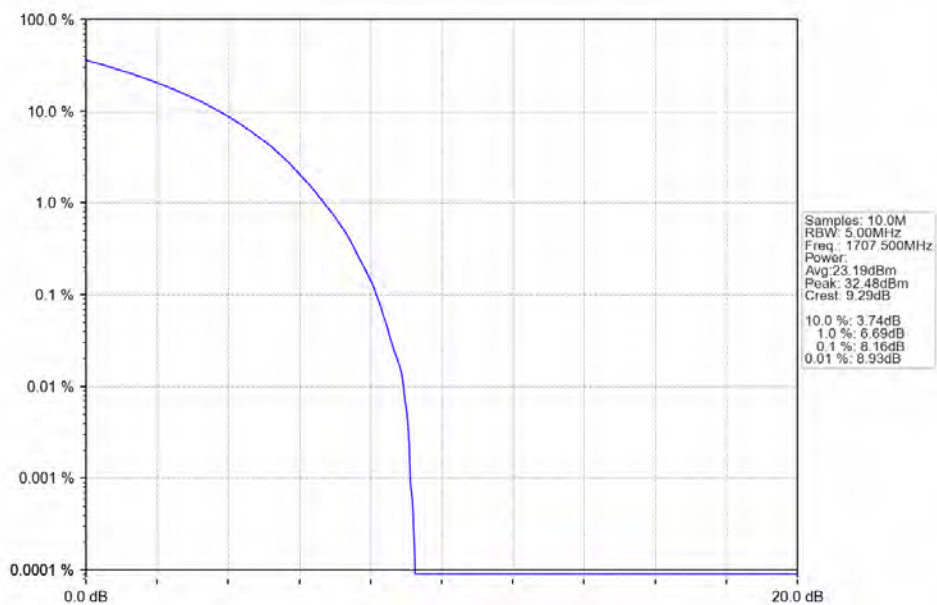
n70 15kHz SISO NTV 5MHz CP-OFDM 64 QAM 1697.5MHz Outer Full Ant1



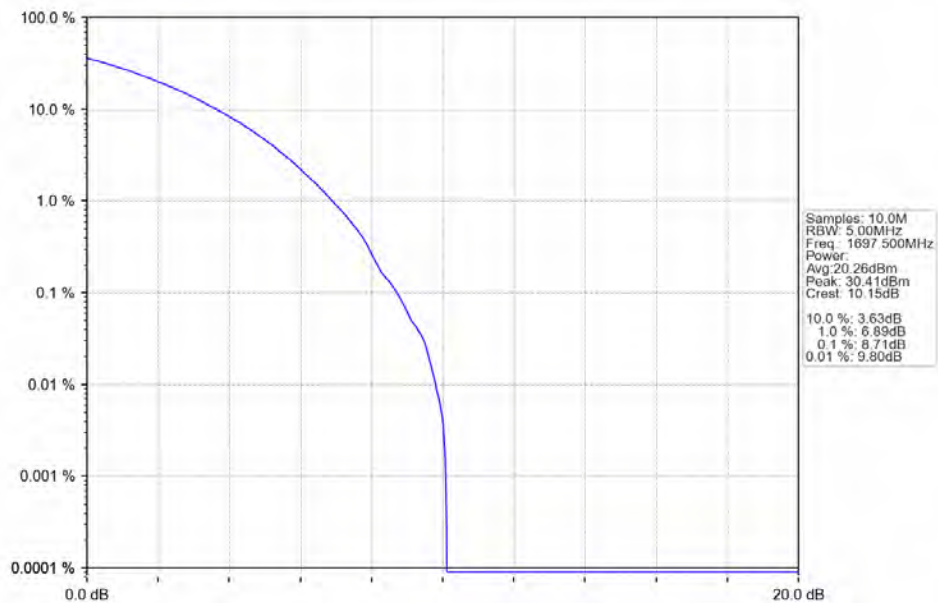
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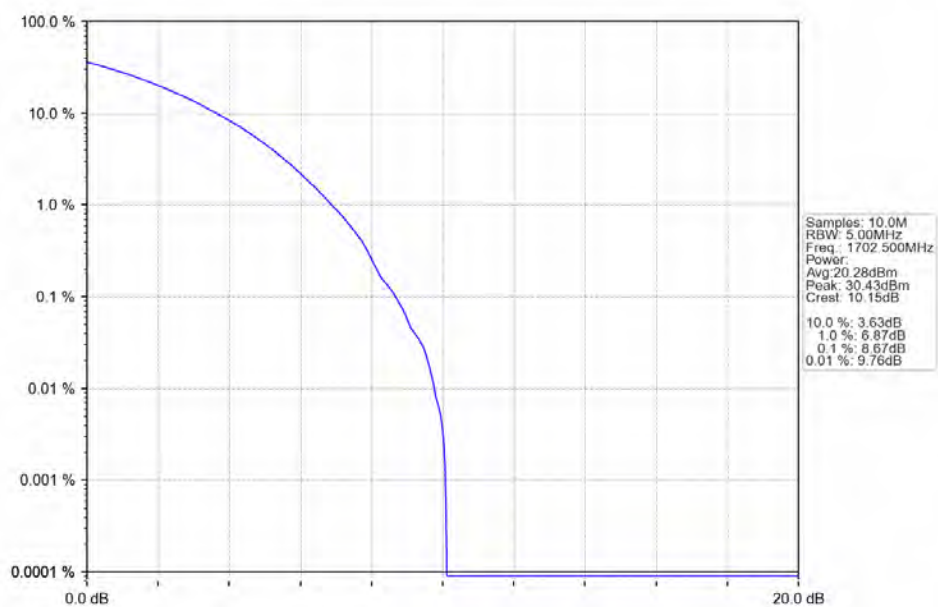
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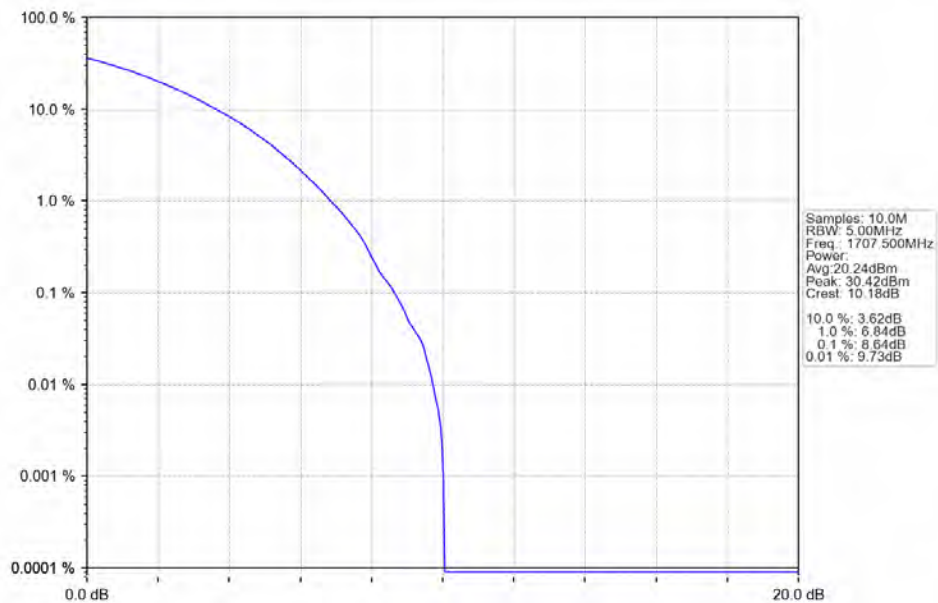
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n70 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 1702.5MHz Outer Full Ant1

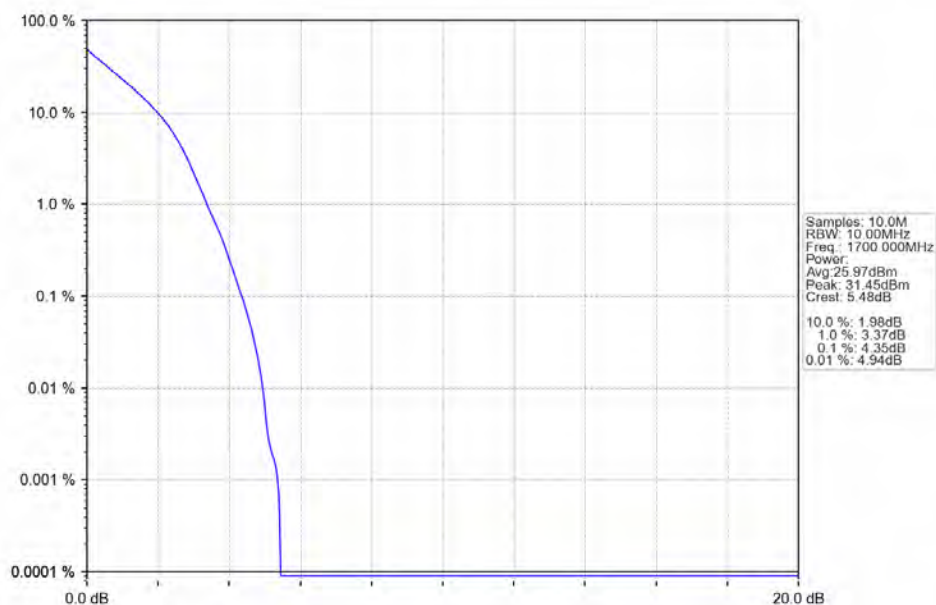


n70 15kHz SISO NTN 5MHz CP-OFDM 256 QAM 1707.5MHz Outer Full Ant1

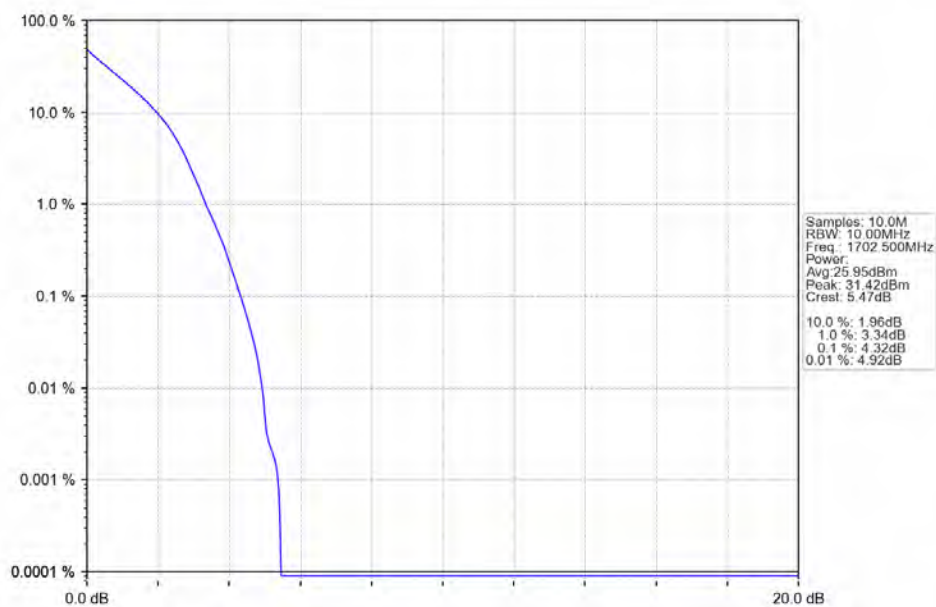


4.2.2 15k_SISO_10MHz_NTNV

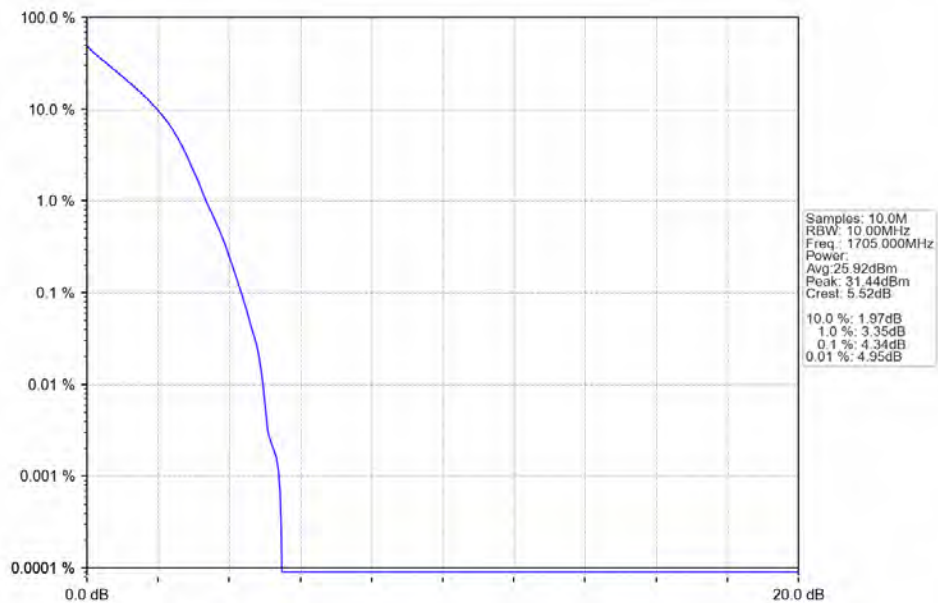
n70_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_1700MHz_Outer_Full_Ant1



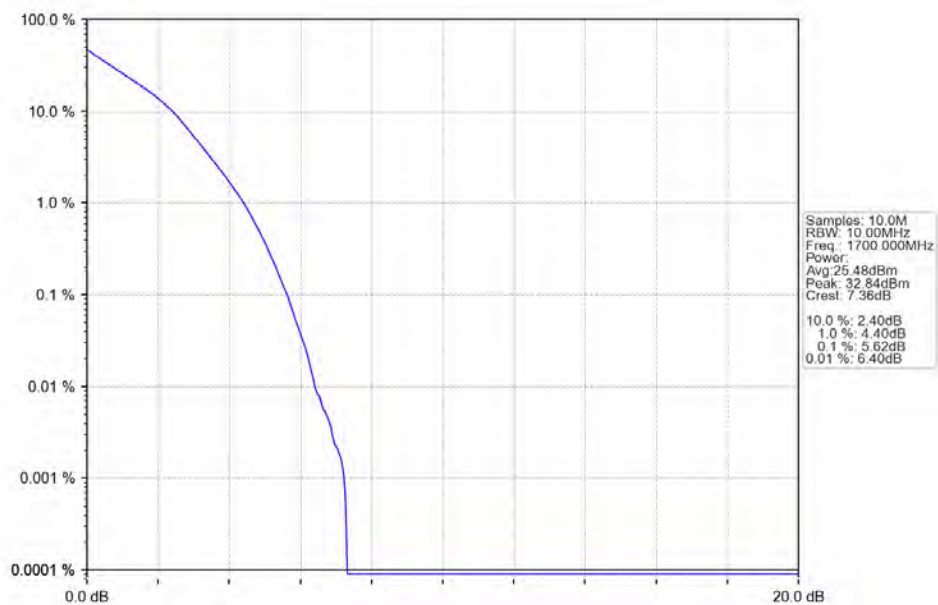
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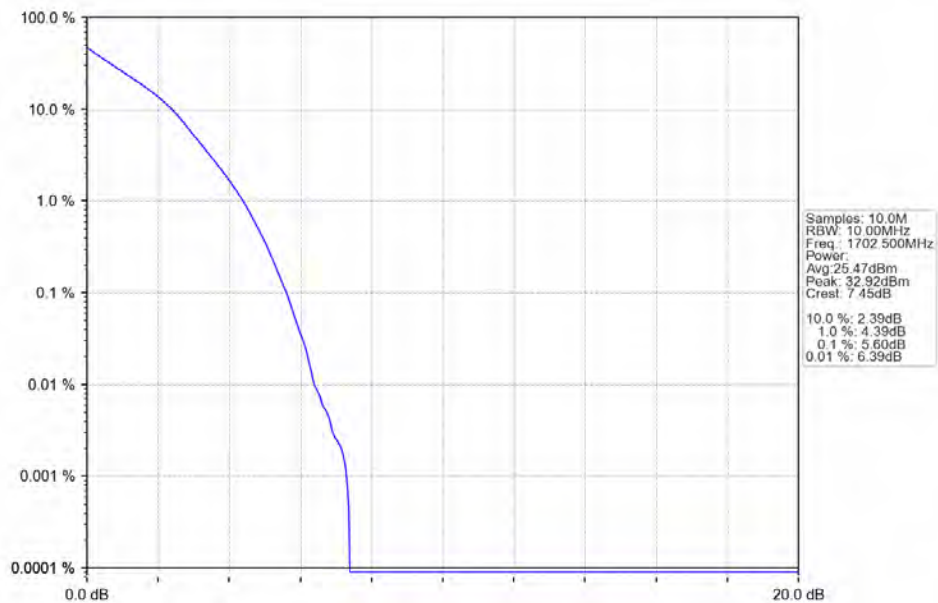
n70 15kHz SISO NTN 10MHz DFT-s-OFDM PI/2 BPSK 1705MHz Outer Full Ant1



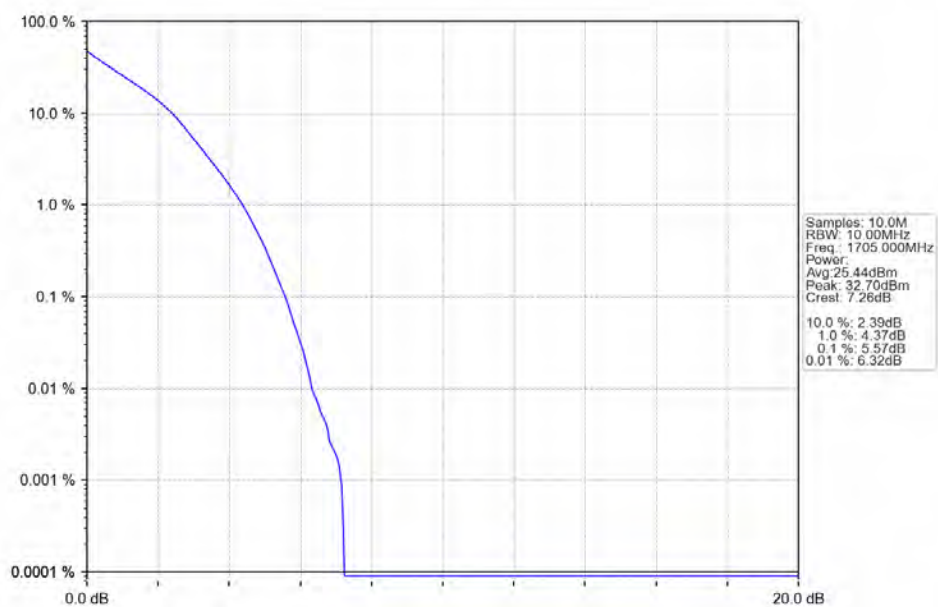
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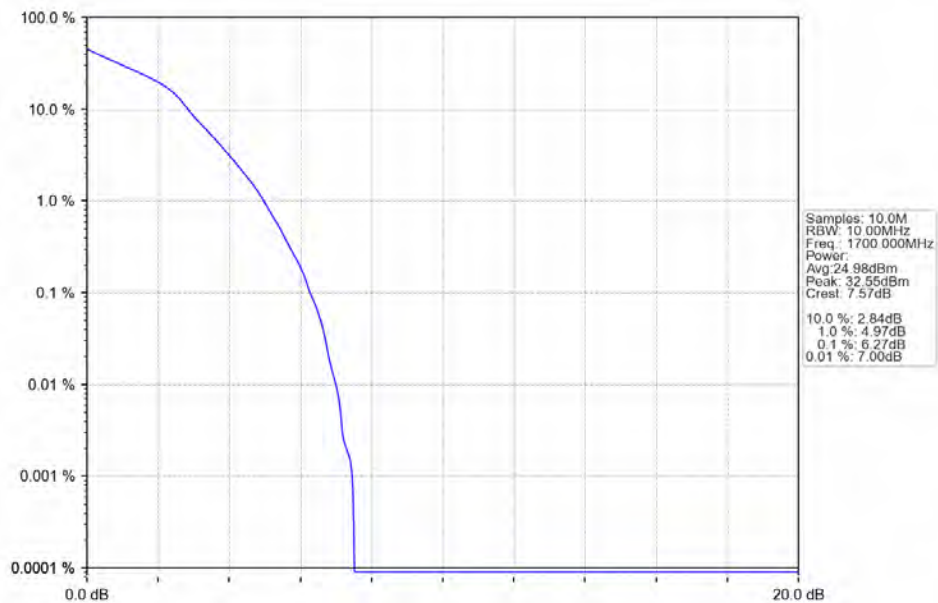
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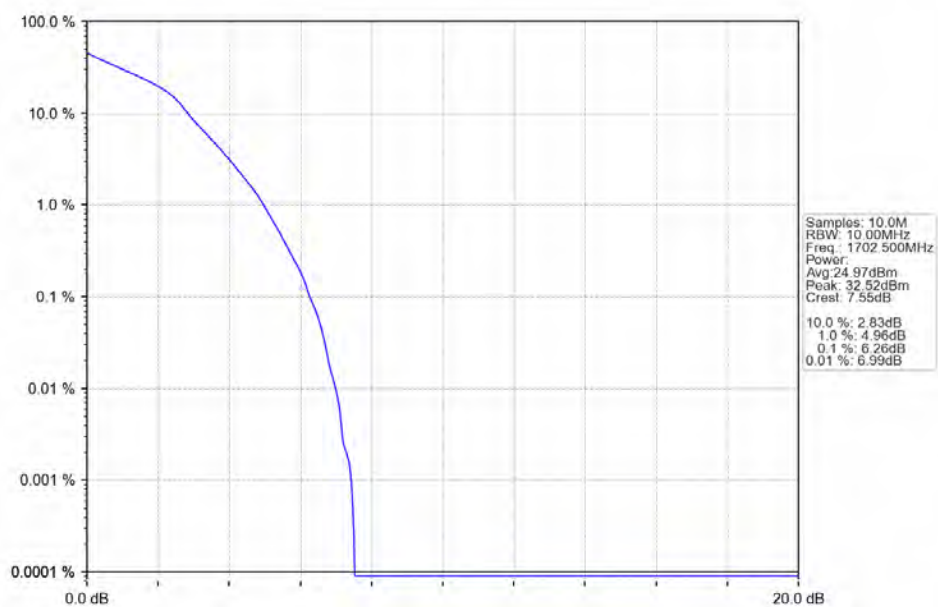
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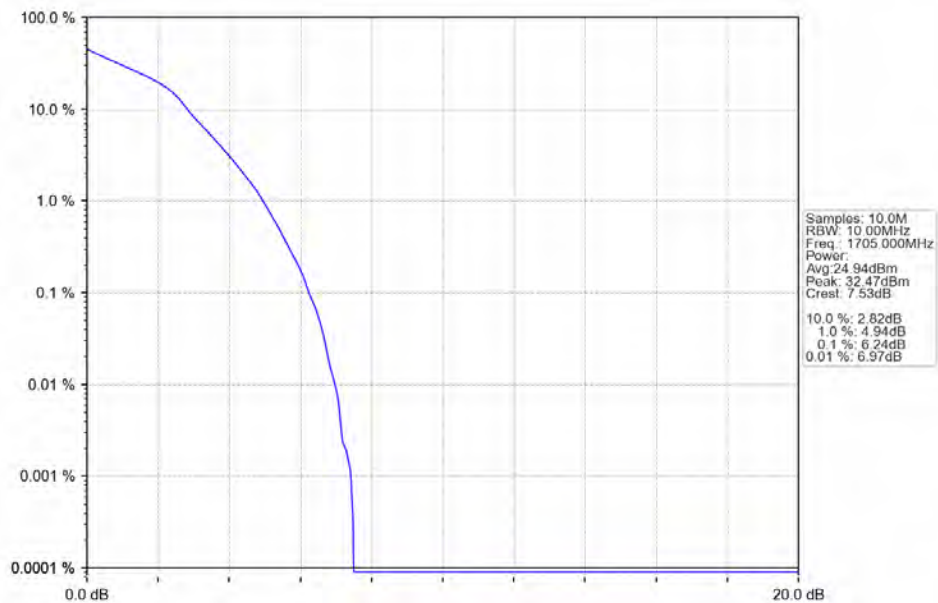
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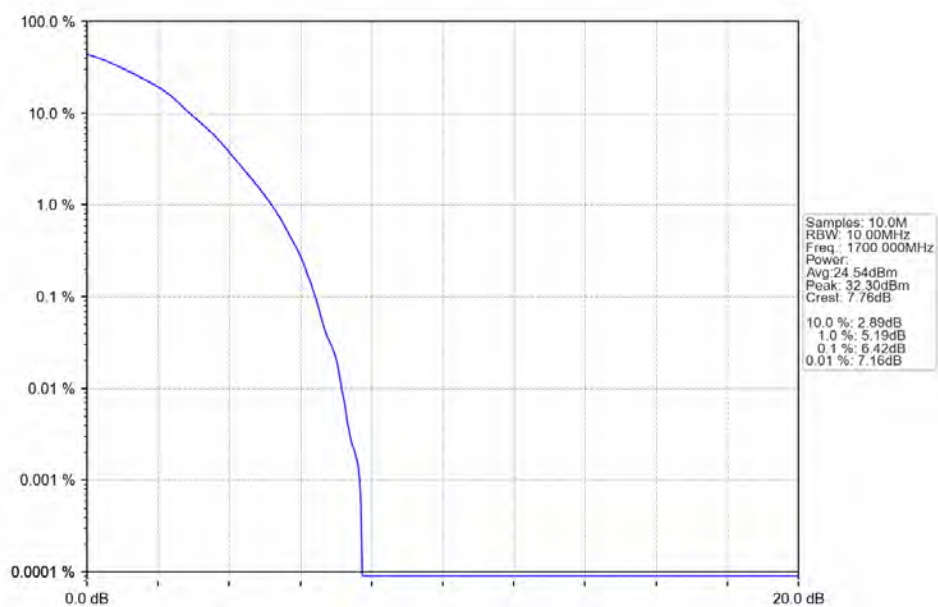
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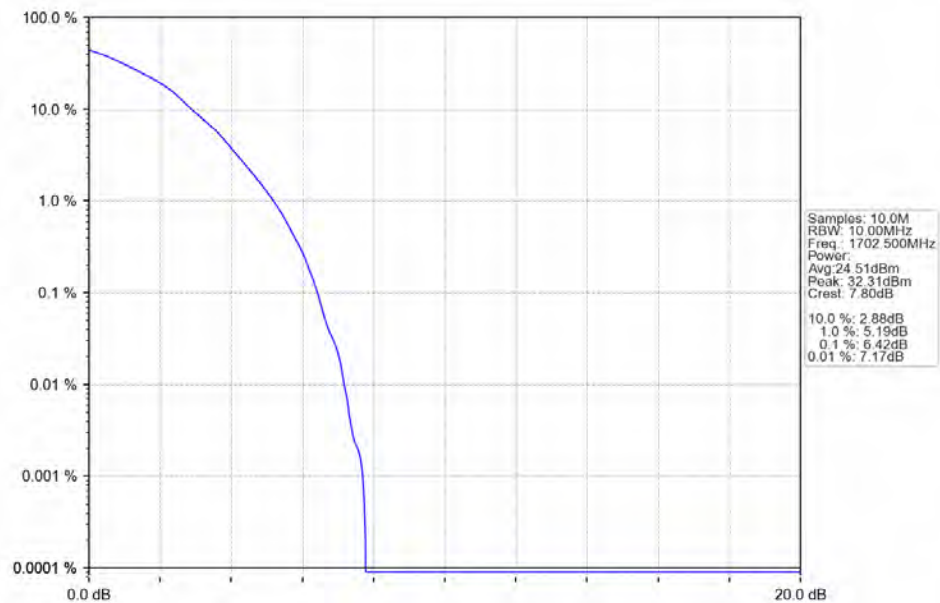
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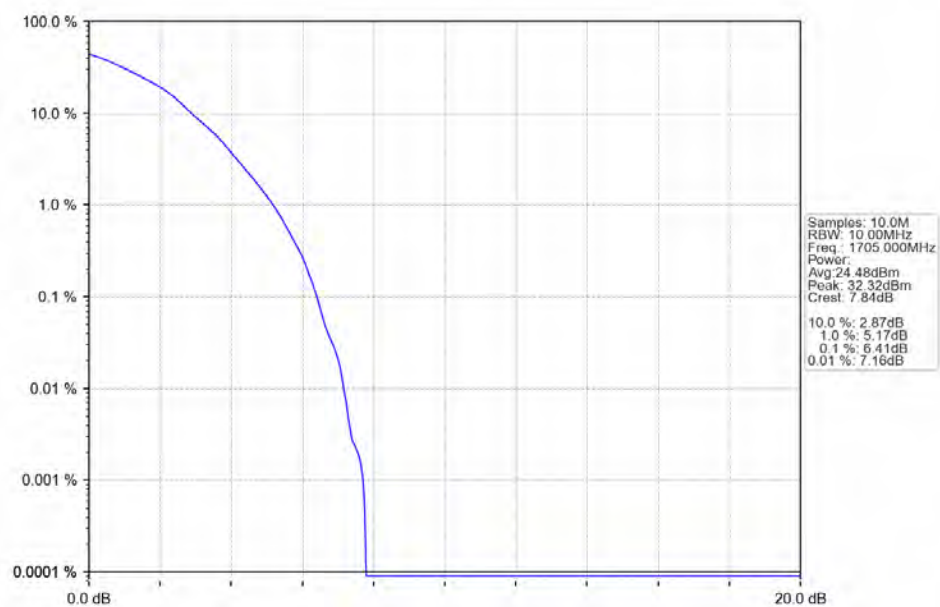
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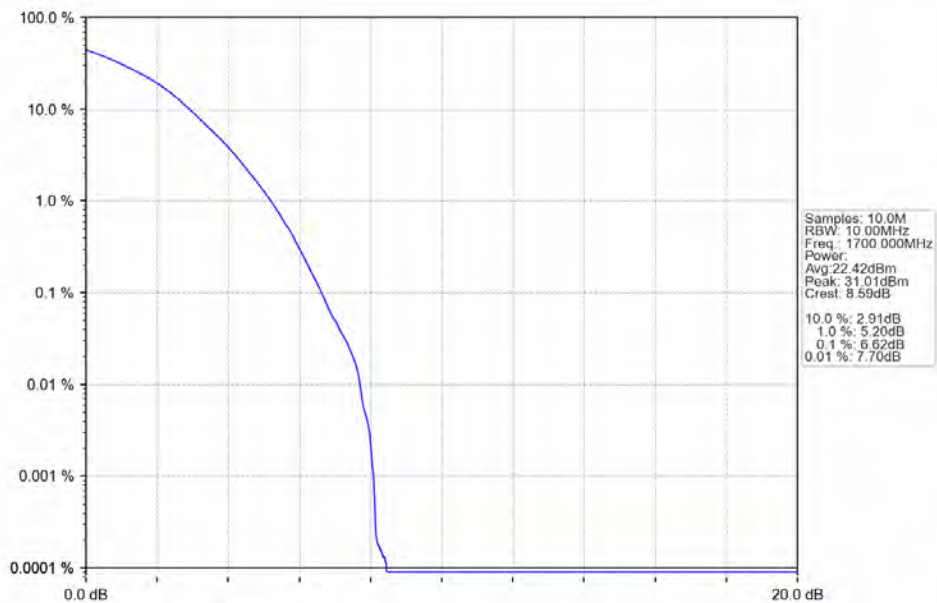
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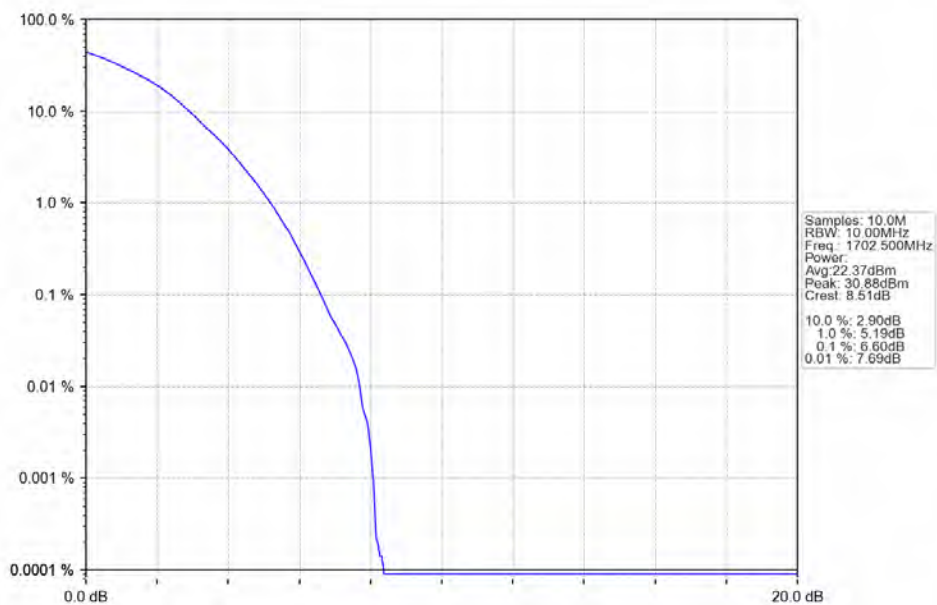
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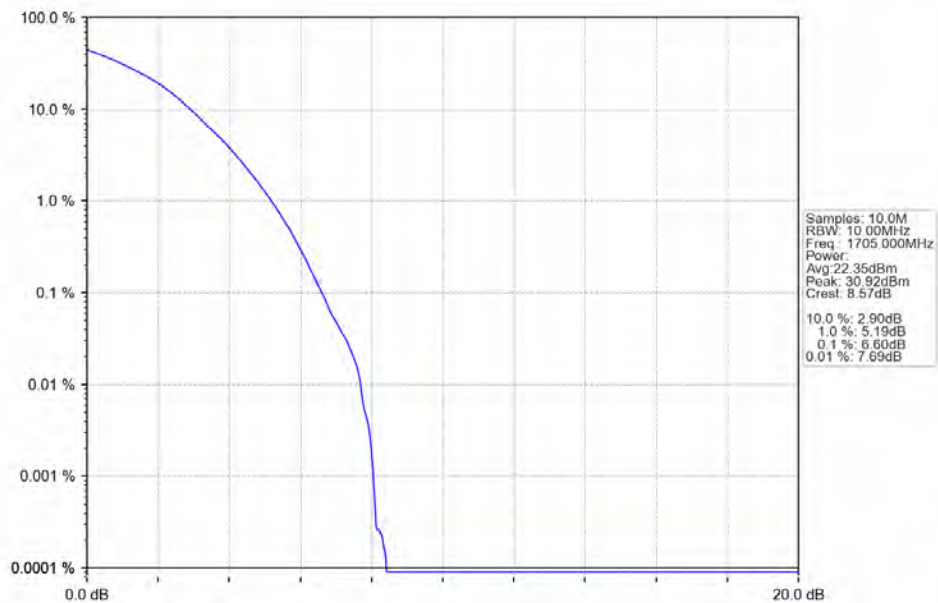
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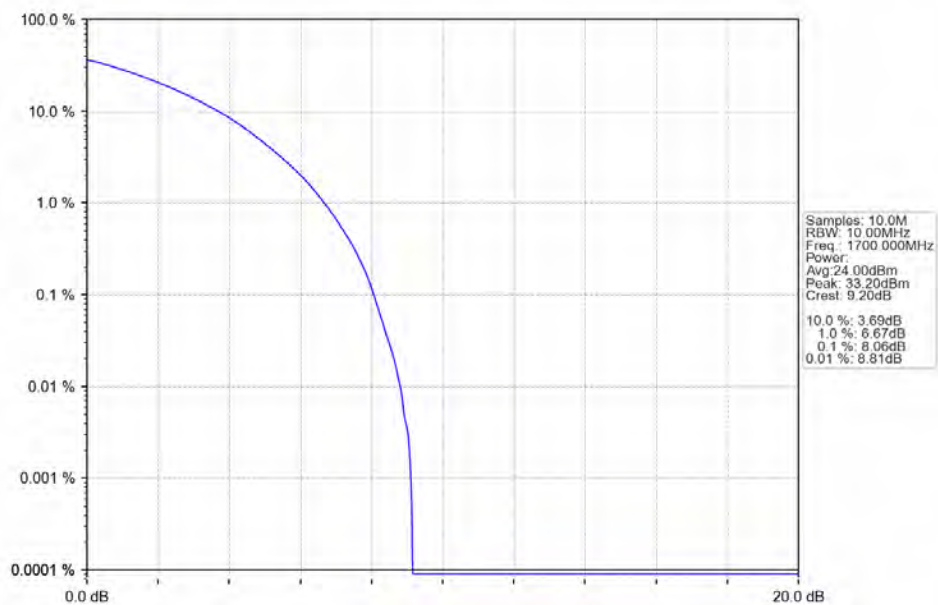
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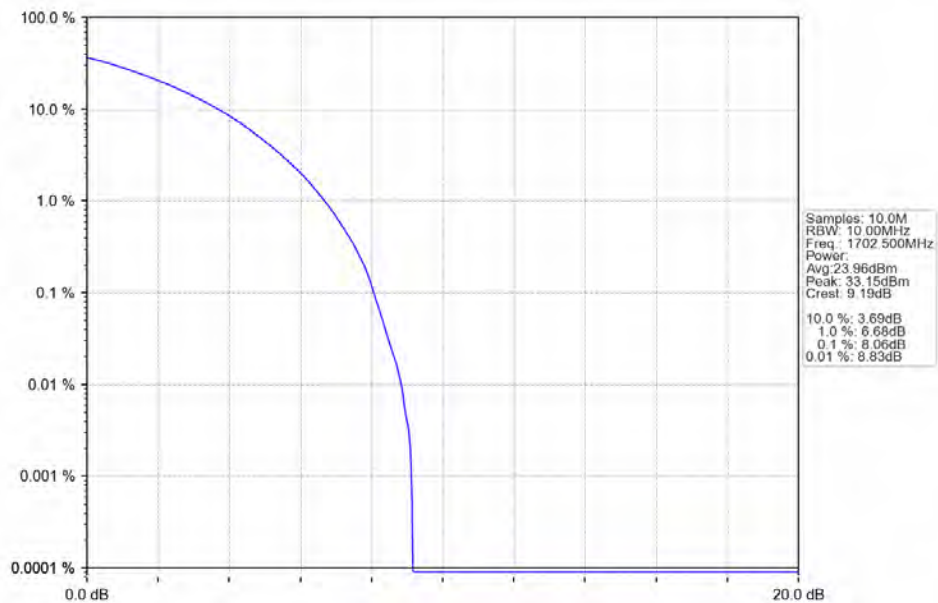
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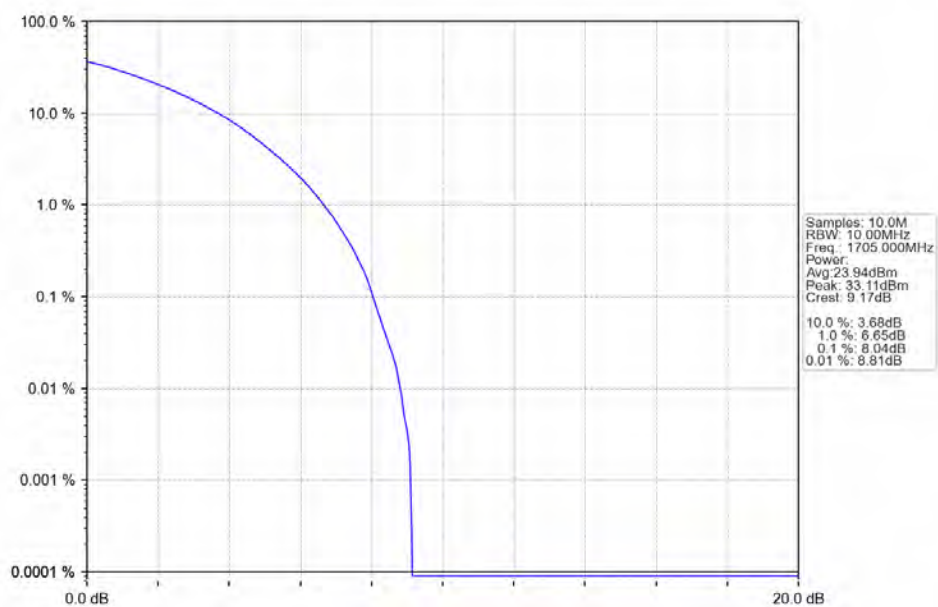
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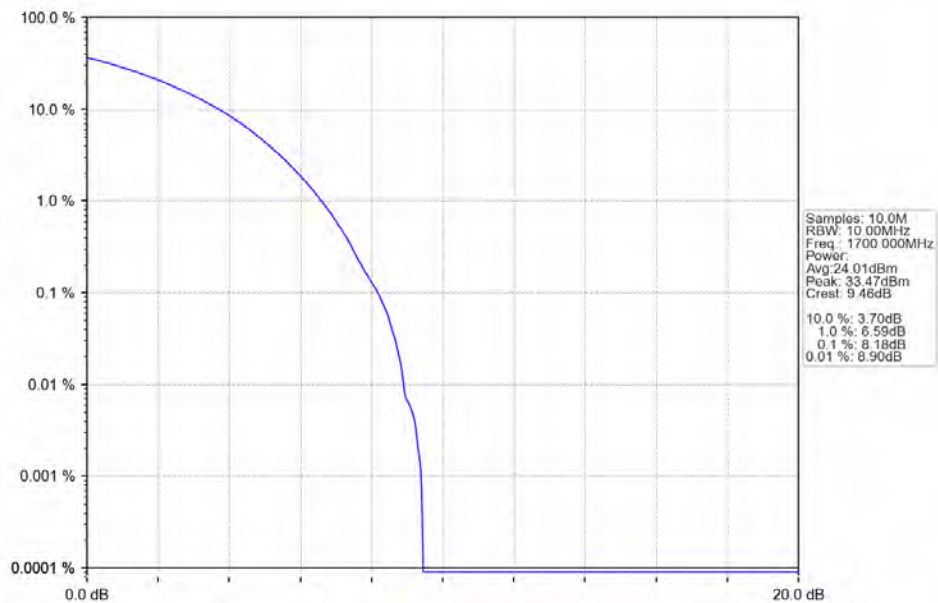
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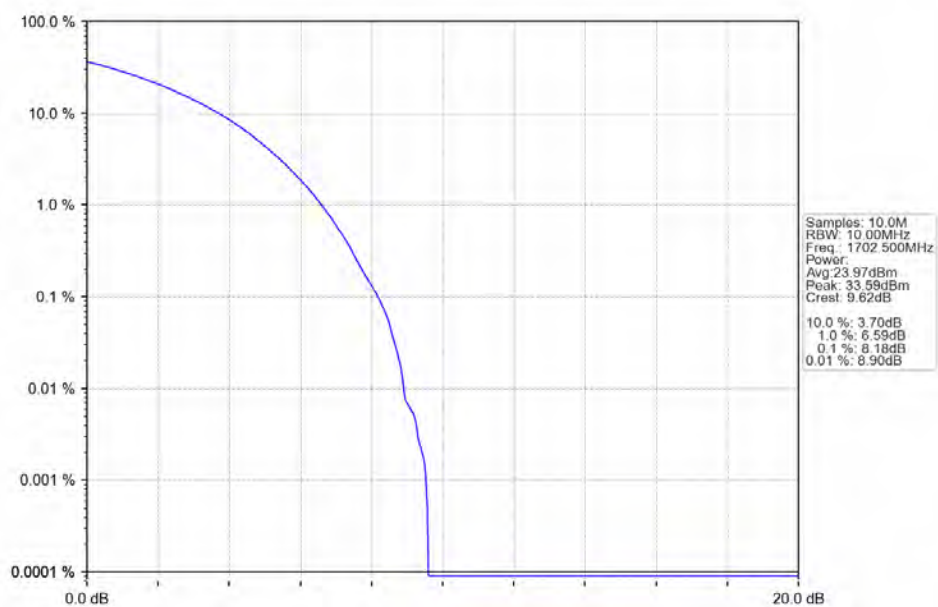
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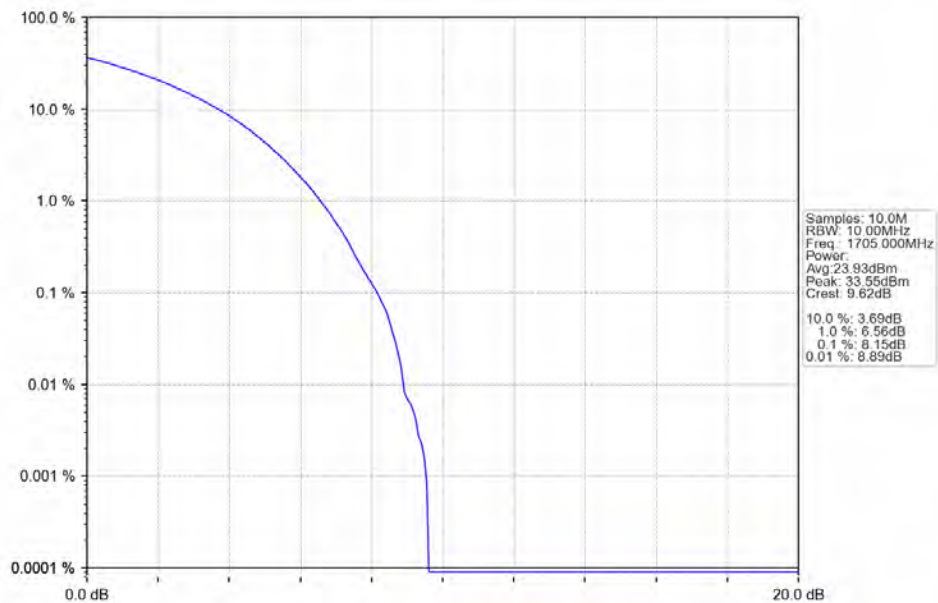
n70 15kHz SISO NTN 10MHz CP-OFDM 16 QAM 1700MHz Outer Full Ant1



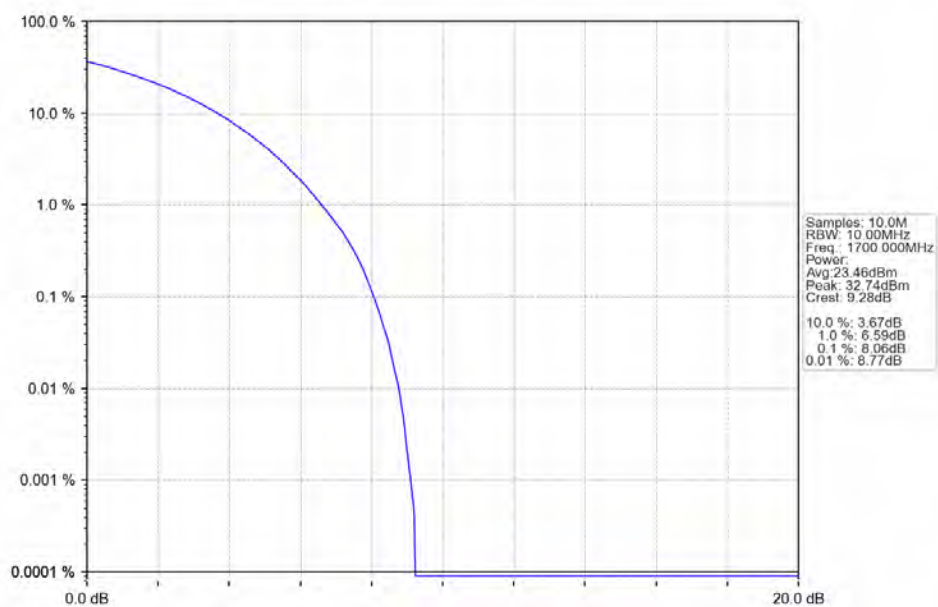
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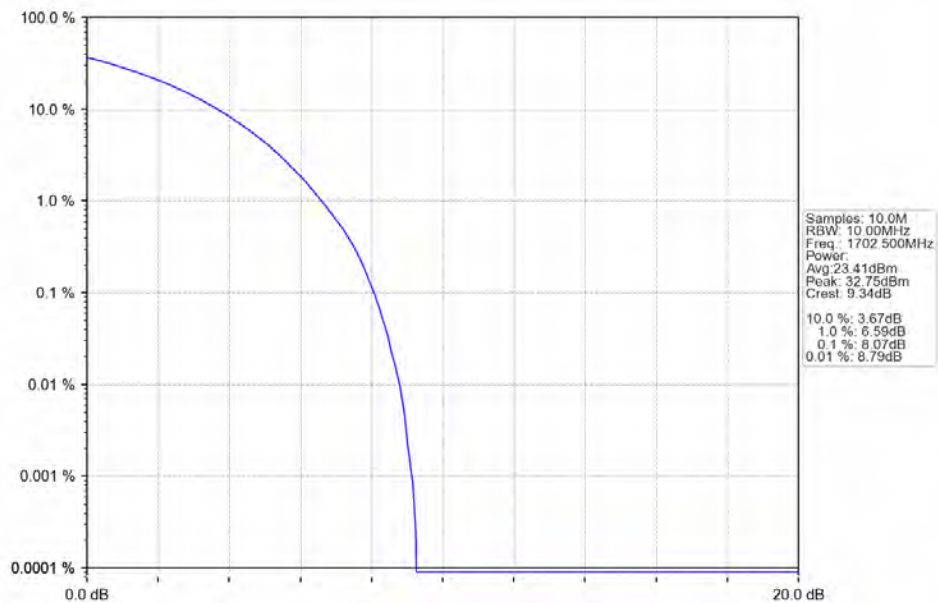
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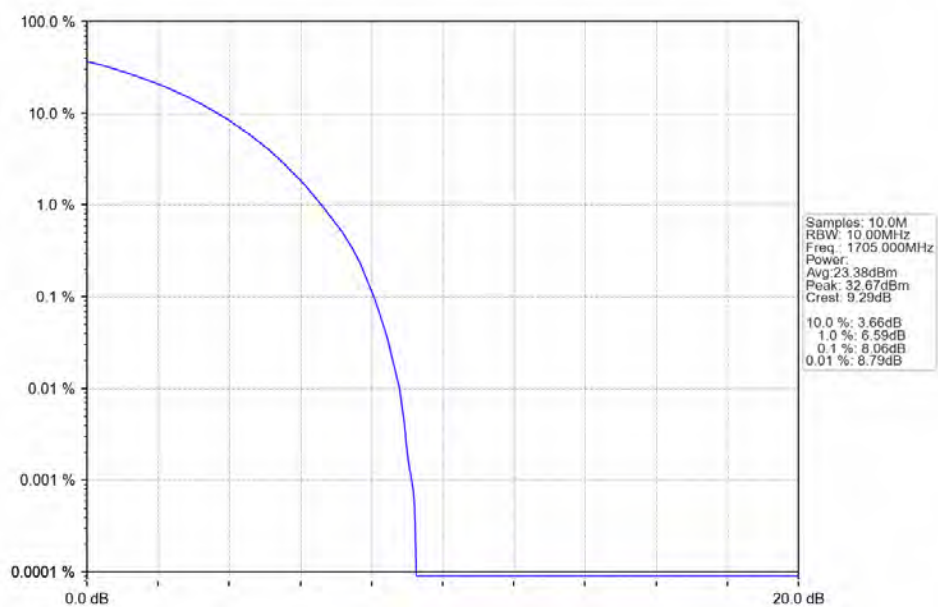
n70 15kHz SISO NTN 10MHz CP-OFDM 64 QAM 1700MHz Outer Full Ant1



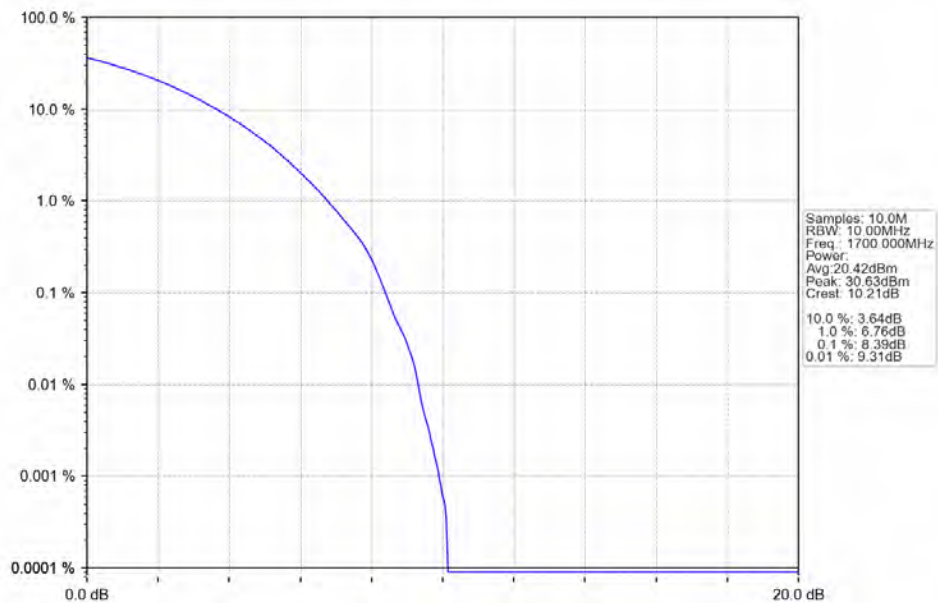
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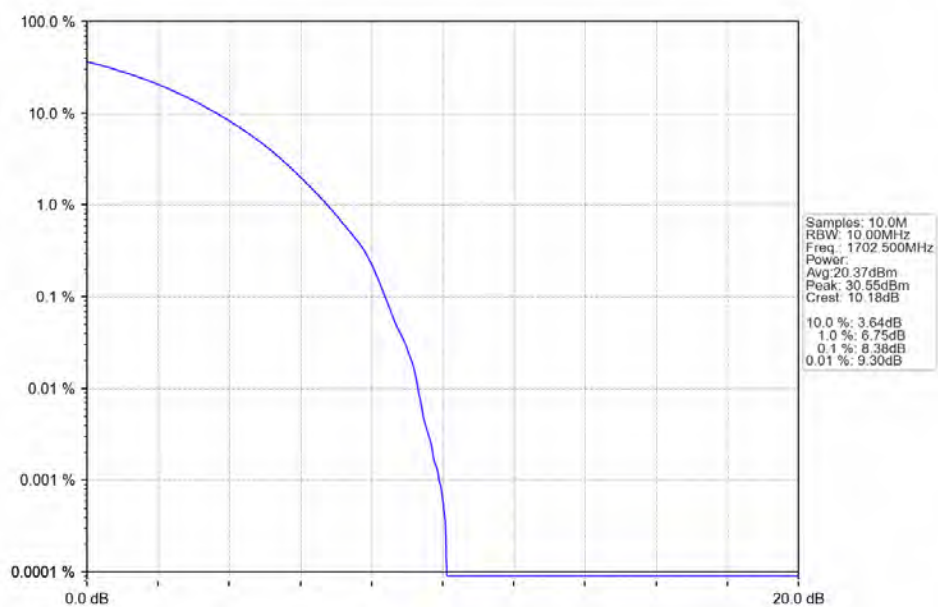
n70 15kHz SISO NTN 10MHz CP-OFDM 64 QAM 1705MHz Outer Full Ant1



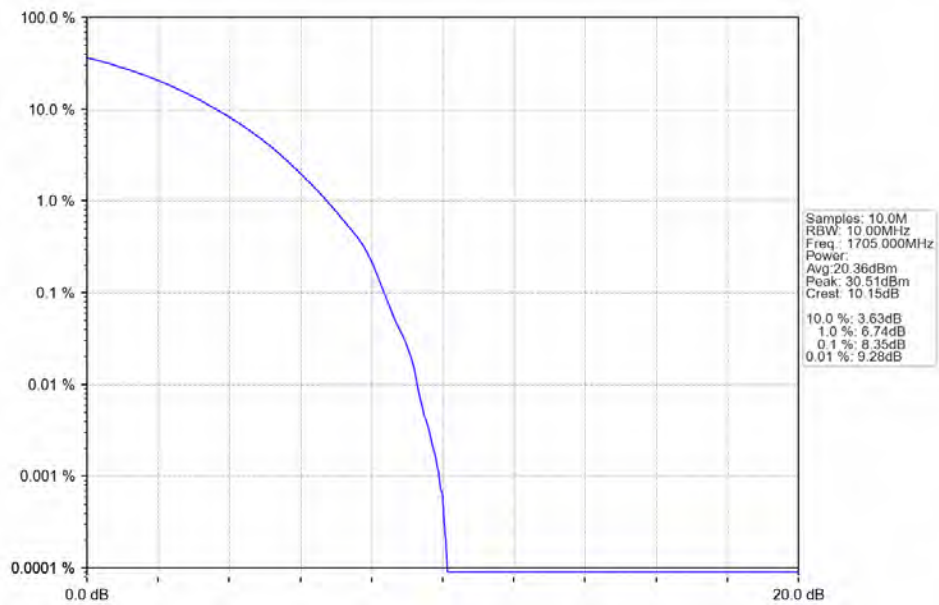
n70 15kHz SISO NTN 10MHz CP-OFDM 256 QAM 1700MHz Outer Full Ant1



n70 15kHz SISO NTN 10MHz CP-OFDM 256 QAM 1702.5MHz Outer Full Ant1

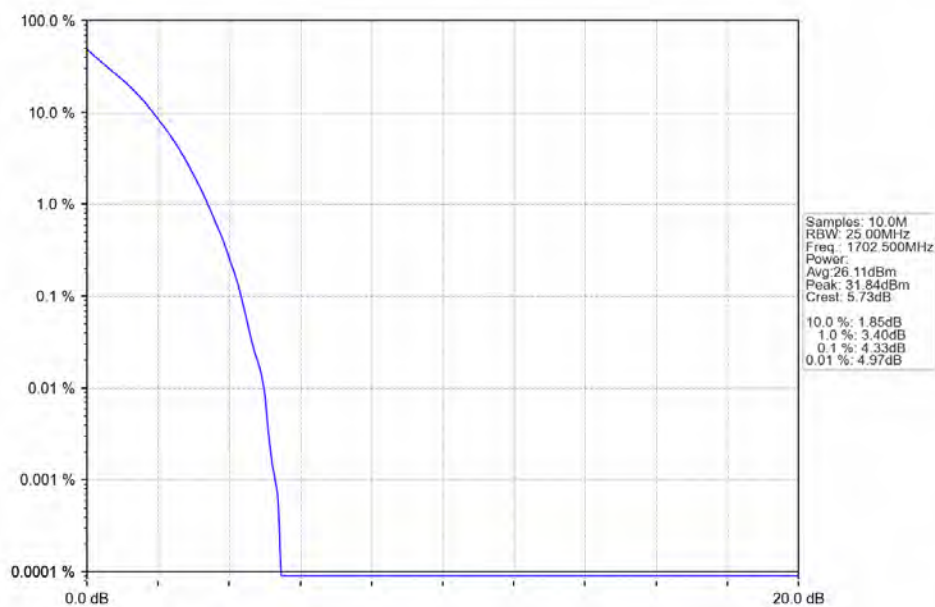


n70 15kHz SISO NTV 10MHz CP-OFDM 256 QAM 1705MHz Outer Full Ant1

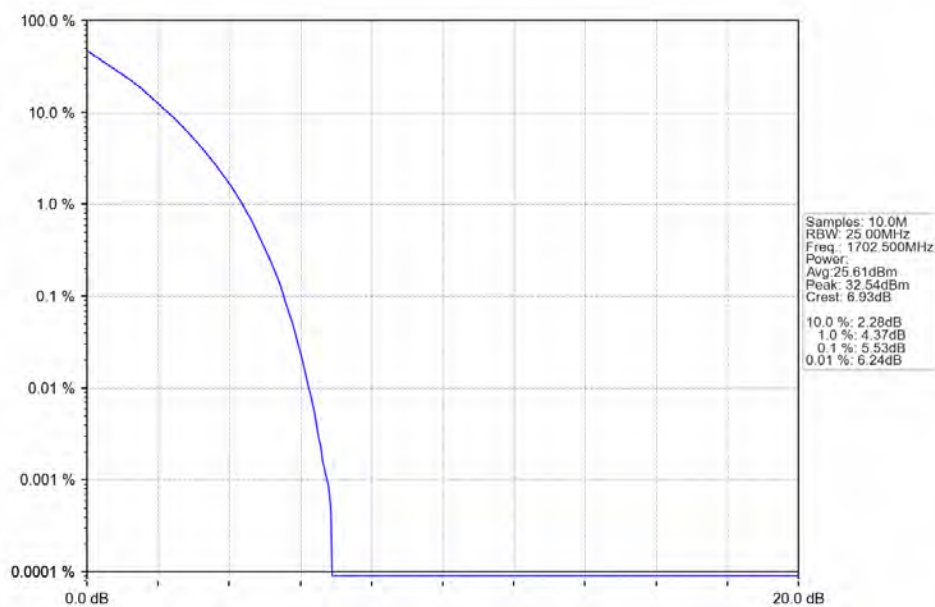


4.2.3 15k_SISO_15MHz_NTNV

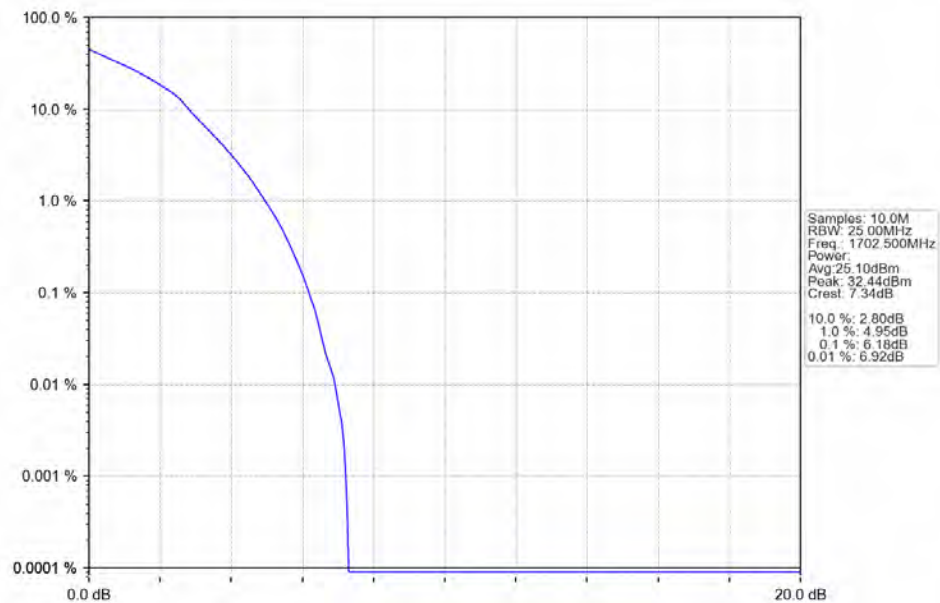
n70_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_1702.5MHz_Outer_Full_Ant1



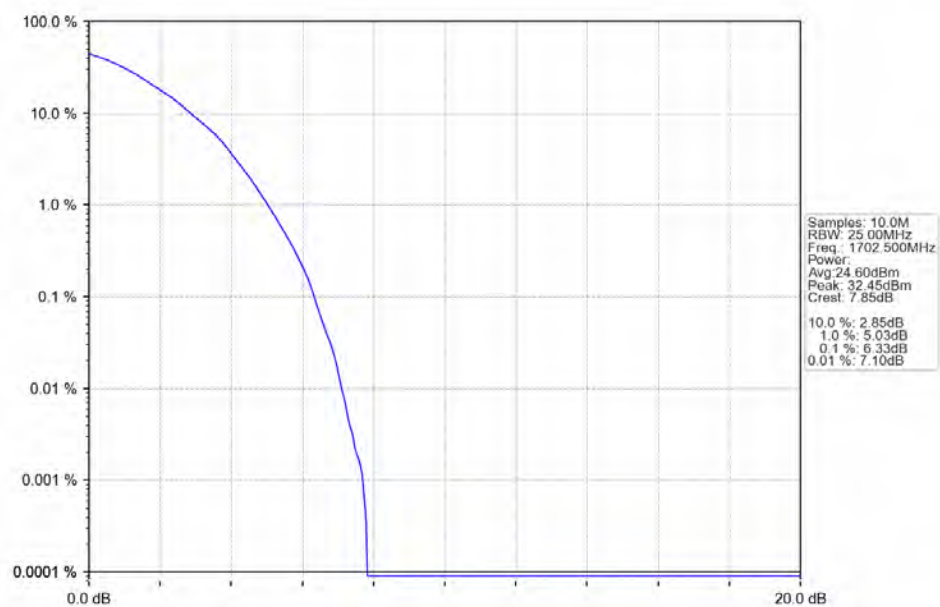
n70_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_1702.5MHz_Outer_Full_Ant1



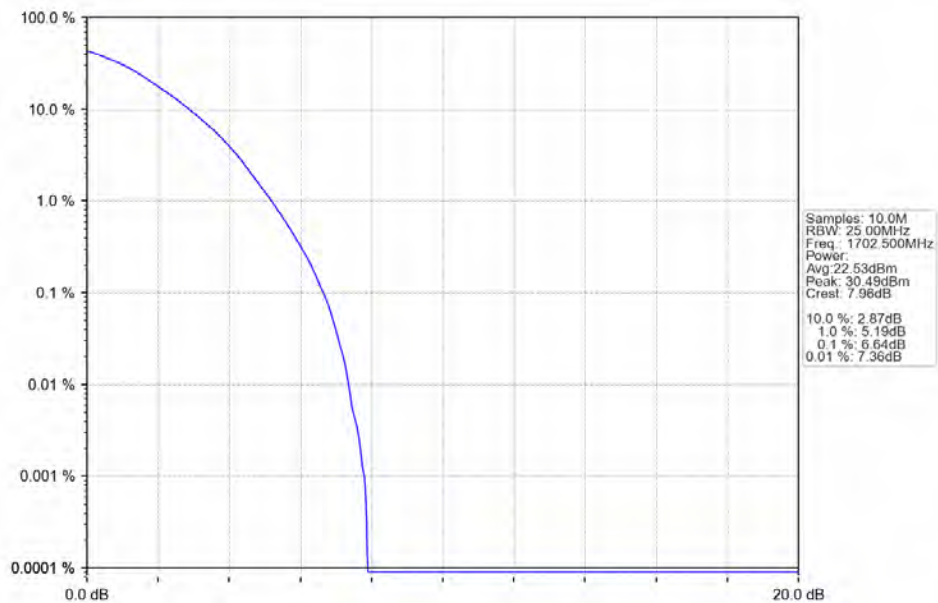
n70 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 1702.5MHz Outer Full Ant1



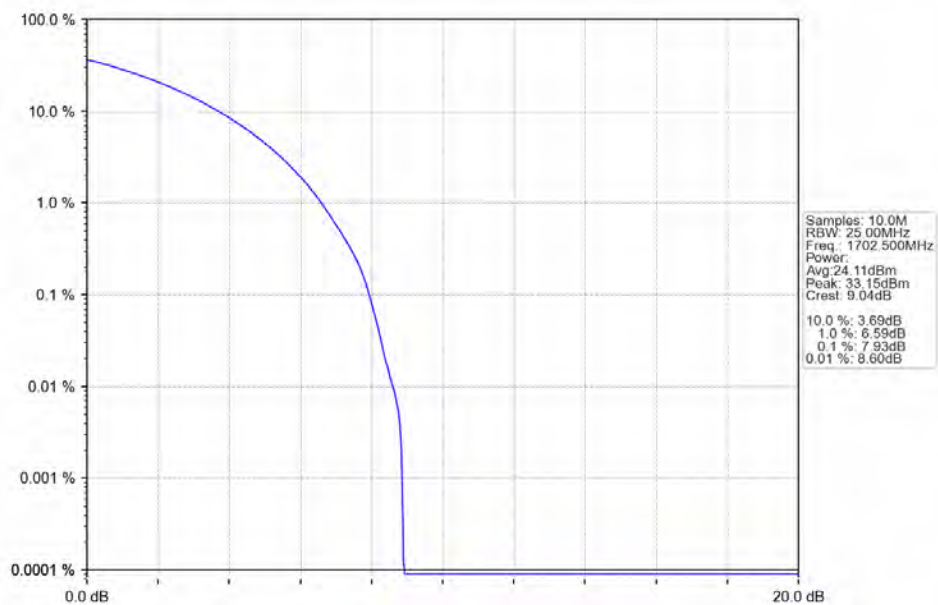
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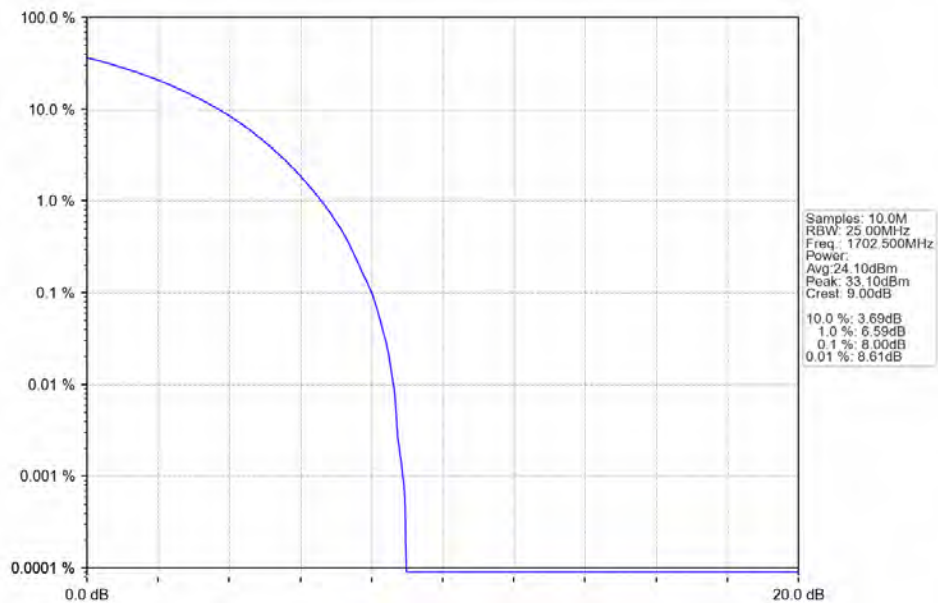
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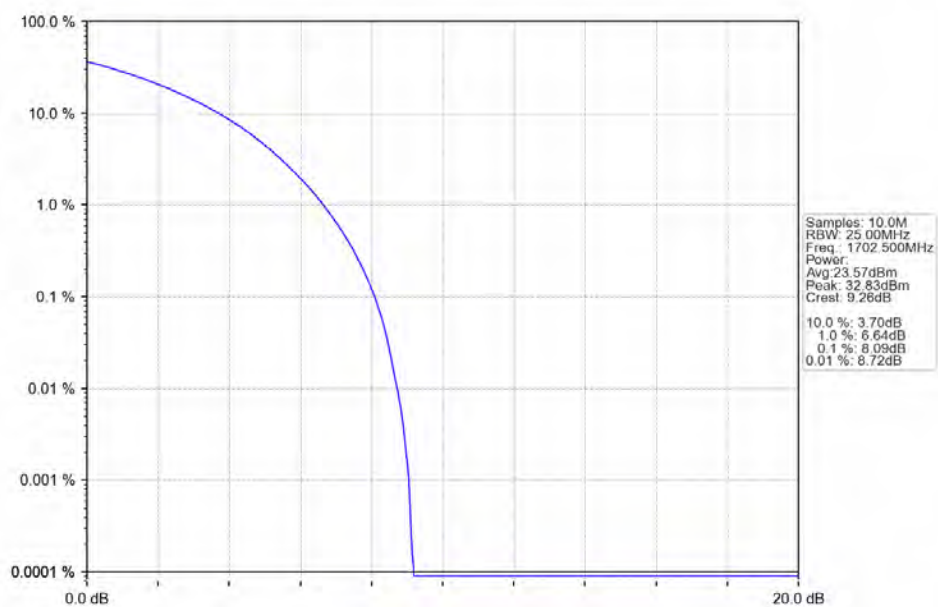
n70 15kHz SISO NTN 15MHz CP-OFDM QPSK 1702.5MHz Outer Full Ant1



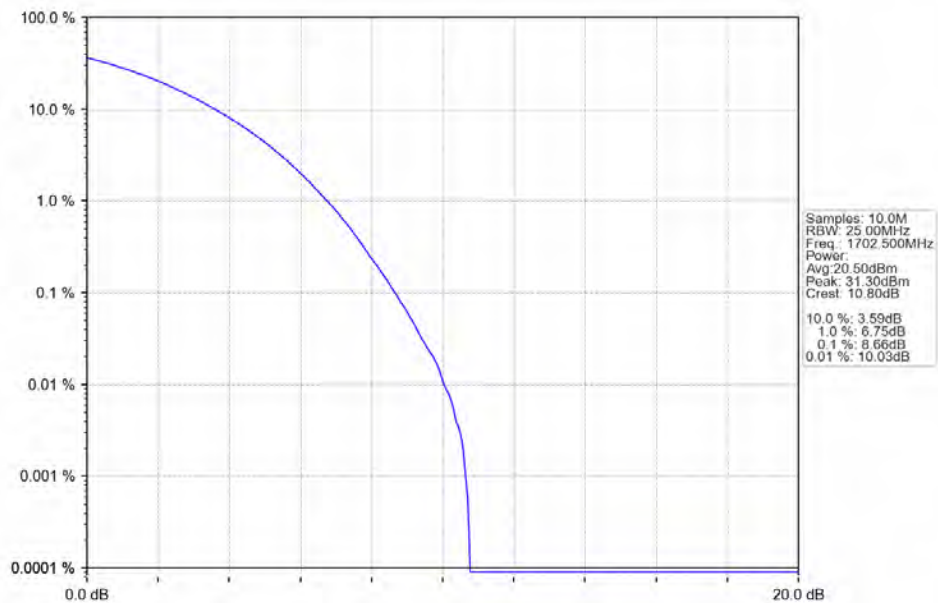
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n70 15kHz SISO NTN 15MHz CP-OFDM 64 QAM 1702.5MHz Outer Full Ant1



n70 15kHz SISO NTN 15MHz CP-OFDM 256 QAM 1702.5MHz Outer Full Ant1



5. Spurious Emission

5.1 Test Result

5.1.1 15k_SISO_5MHz_NTNV

5G NR n70 SCS=15kHz SISO 5MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1697.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	1702.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	1697.5	Inner_1RB_Right	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	1702.5	Inner_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
CP-OFDM QPSK	1707.5	Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass
	1697.5	Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass

5.1.2 15k_SISO_10MHz_NTNV

5G NR n70 SCS=15kHz SISO 10MHz NTN								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant1	Ant2	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	1700	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
		Inner_1RB_Left	Refer To Test Graph				Pass	
	1702.5	Edge_1RB_Left	Refer To Test Graph				Pass	
		1705	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	1700		Inner_1RB_Right	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	1702.5	Inner_1RB_Left	Refer To Test Graph				Pass	
		1705	Edge_1RB_Left	Refer To Test Graph				Pass
			Edge_1RB_Right	Refer To Test Graph				Pass
CP-OFDM QPSK	1700		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass	
		Edge_1RB_Left	Refer To Test Graph				Pass	
	1702.5	Outer_Full	Refer To Test Graph				Pass	
		Inner_1RB_Left	Refer To Test Graph				Pass	
		Edge_1RB_Left	Refer To Test Graph				Pass	

	1705	Edge_1RB_Right	Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
		Inner_1RB_Right	Refer To Test Graph	Pass

5.1.3 15k_SISO_15MHz_NTNV

5G NR n70 SCS=15kHz SISO 15MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1702.5	Edge 1RB Left	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass
		Inner 1RB Left	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	1702.5	Edge 1RB Left	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass
		Inner 1RB Left	Refer To Test Graph				Pass
CP-OFDM QPSK	1702.5	Edge 1RB Left	Refer To Test Graph				Pass
		Outer Full	Refer To Test Graph				Pass
		Inner 1RB Left	Refer To Test Graph				Pass

5.1.4 15k_MIMO_5MHz_NTNV

5G NR n70 SCS=15kHz MIMO 5MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1697.5	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
	1707.5	Edge_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
DFT-s-OFDM QPSK	1697.5	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
	1707.5	Edge_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
Outer_Full		Refer To Test Graph				Pass	
		Refer To Test Graph				Pass	

CP-OFDM QPSK		Inner_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
	1697.5	Edge_1RB_Left	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Inner_1RB_Left	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
	1707.5	Edge_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Inner_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass

5.1.5 15k_MIMO_10MHz_NTNV

5G NR n70 SCS=15kHz MIMO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1700	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
	1705	Edge_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
Refer To Test Graph				Pass			
Refer To Test Graph				Pass			
DFT-s-OFDM QPSK	1700	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
	1705	Edge_1RB_Right	Refer To Test Graph				Pass
Refer To Test Graph				Pass			

CP-OFDM QPSK	1700	Outer_Full	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Inner_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Edge_1RB_Left	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
CP-OFDM QPSK	1705	Outer_Full	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Inner_1RB_Left	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Edge_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
CP-OFDM QPSK	1705	Outer_Full	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Inner_1RB_Right	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
		Edge_1RB_Left	Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass
			Refer To Test Graph	Pass

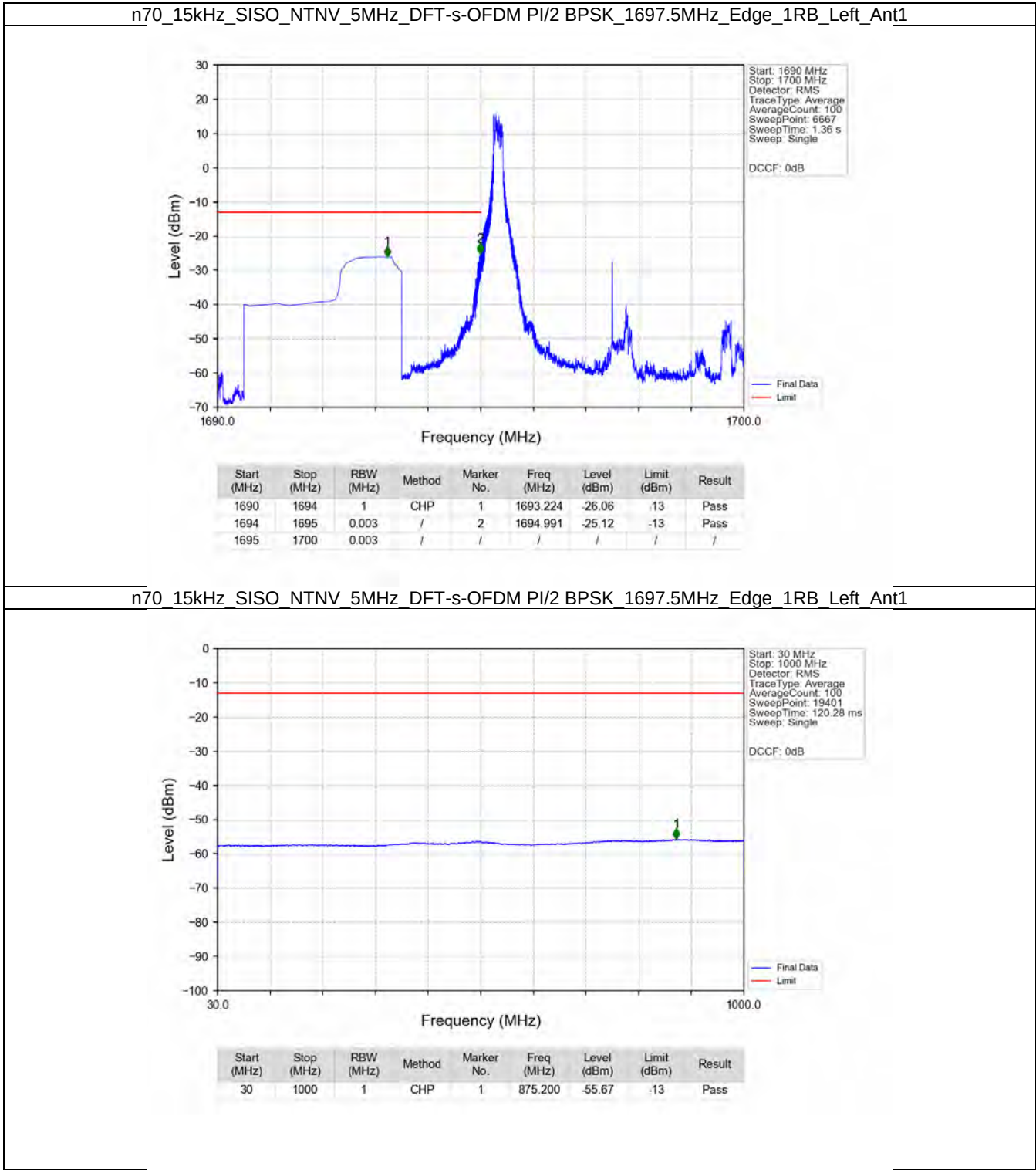
5.1.6 15k_MIMO_15MHz_NTNV

5G NR n70 SCS=15kHz MIMO 15MHz NTN									
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict		
			Ant1	Ant2	Sum	Limit			
DFT-s-OFDM PI/2 BPSK	1702.5	Edge_1RB_Left	Refer To Test Graph				Pass		
			Refer To Test Graph				Pass		
			Refer To Test Graph				Pass		
		Outer_Full	Refer To Test Graph				Pass		
			Refer To Test Graph				Pass		
			Refer To Test Graph				Pass		
		Inner_1RB_Left	Refer To Test Graph				Pass		
			Refer To Test Graph				Pass		
			Refer To Test Graph				Pass		
		DFT-s-OFDM QPSK	1702.5	Edge_1RB_Left	Refer To Test Graph				Pass
					Refer To Test Graph				Pass
					Refer To Test Graph				Pass
Outer_Full	Refer To Test Graph				Pass				
	Refer To Test Graph				Pass				
	Refer To Test Graph				Pass				
Inner_1RB_Left	Refer To Test Graph				Pass				
	Refer To Test Graph				Pass				
	Refer To Test Graph				Pass				
CP-OFDM QPSK	1702.5			Edge_1RB_Left	Refer To Test Graph				Pass
					Refer To Test Graph				Pass
					Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass		
			Refer To Test Graph				Pass		
			Refer To Test Graph				Pass		
		Inner_1RB_Left	Refer To Test Graph				Pass		
			Refer To Test Graph				Pass		
			Refer To Test Graph				Pass		

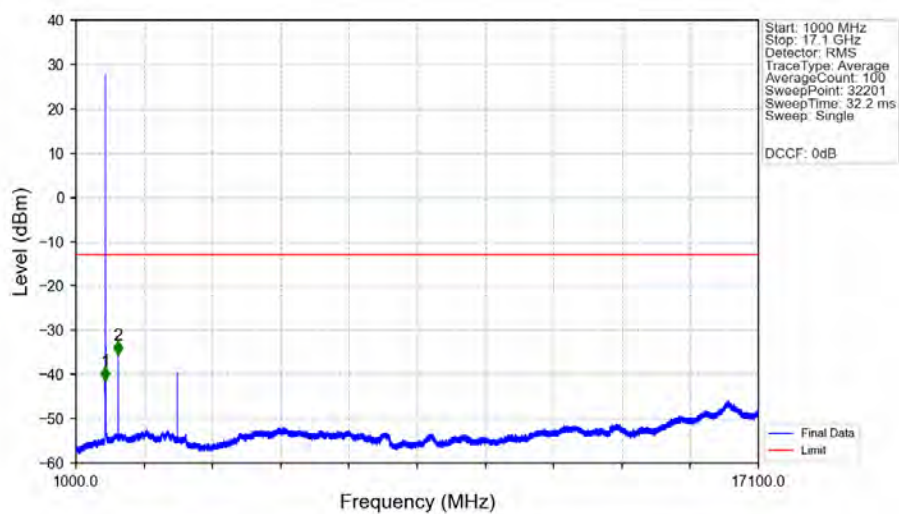
			Refer To Test Graph	Pass
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5.2 Test Graph

5.2.1 15k_SISO_5MHz_NTNV

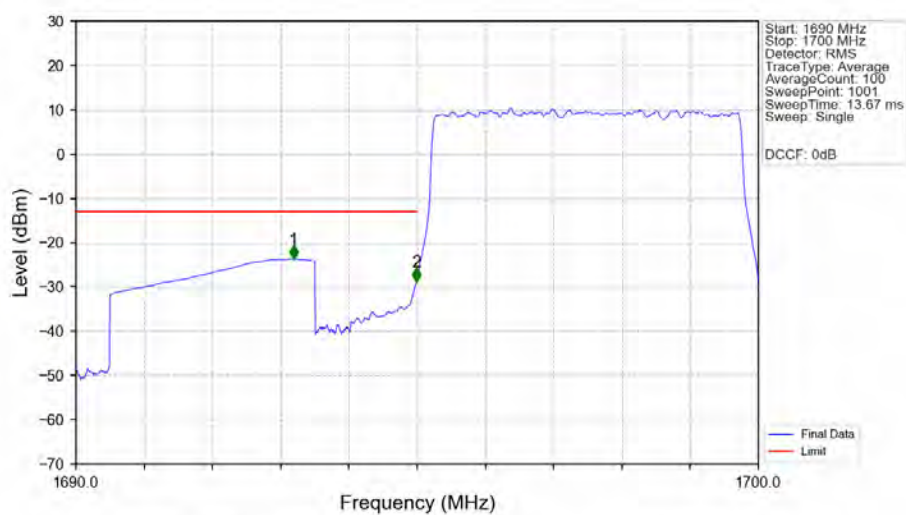


n70 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 1697.5MHz Edge 1RB Left Ant1



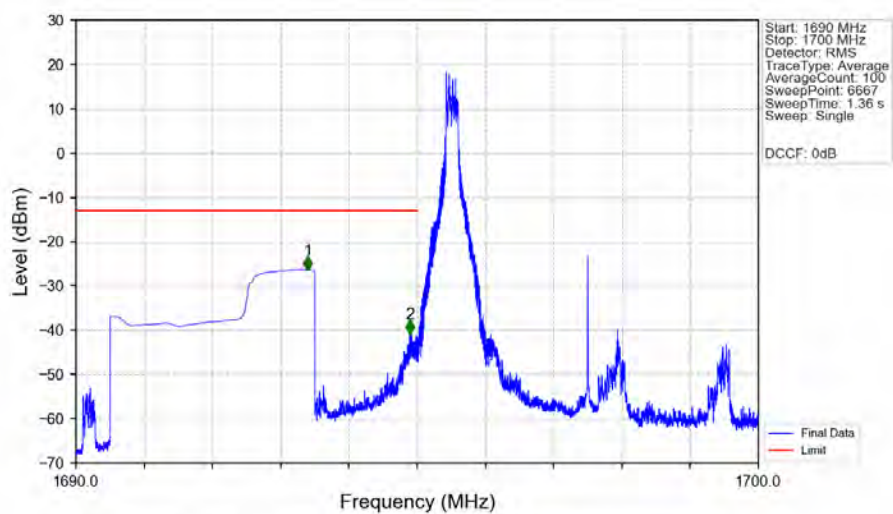
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1694	1	/	1	1687.000	-41.42	-13	Pass
1694	1715	1	/	/	/	/	/	/
1715	17100	1	/	2	1998.500	-35.49	-13	Pass

n70 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 1697.5MHz Outer Full Ant1



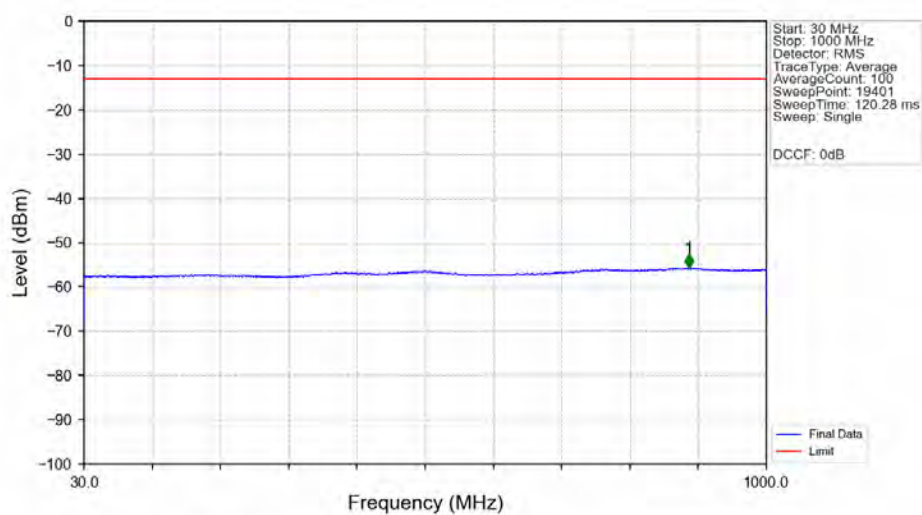
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1694	1	CHP	1	1693.190	-23.67	-13	Pass
1694	1695	0.0499	CHP	2	1694.990	-28.75	-13	Pass
1695	1700	0.0499	CHP	/	/	/	/	/

n70 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 1697.5MHz Inner 1RB Left Ant1



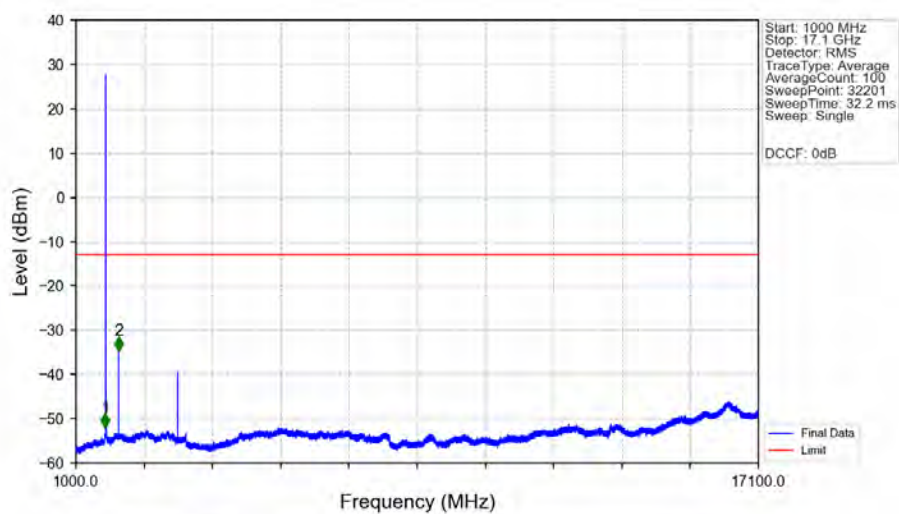
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1690	1694	1	CHP	1	1693.395	-26.38	-13	Pass
1694	1695	0.003	/	2	1694.892	-40.86	-13	Pass
1695	1700	0.003	/	/	/	/	/	/

n70 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 1702.5MHz Edge 1RB Left Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	889.650	-55.70	-13	Pass

n70 15kHz SISO NTNV 5MHz DFT-s-OFDM PI/2 BPSK 1702.5MHz Edge 1RB Left Ant1



n70 15kHz SISO NTNV 5MHz DFT-s-OFDM PI/2 BPSK 1707.5MHz Edge 1RB Right Ant1

