

n41	80	30	2593	CP	256QAM	Edge_1RB_Right	17.39	16.59
n41	80	30	2593	CP	256QAM	Outer_Full	17.50	16.70
n41	80	30	2650	DFT	pi/2 BPSK	Inner_Full	24.29	23.49
n41	80	30	2650	DFT	pi/2 BPSK	Edge_1RB_Left	23.57	22.77
n41	80	30	2650	DFT	pi/2 BPSK	Edge_1RB_Right	23.16	22.36
n41	80	30	2650	DFT	pi/2 BPSK	Outer_Full	23.44	22.64
n41	80	30	2650	DFT	QPSK	Inner_Full	24.03	23.23
n41	80	30	2650	DFT	QPSK	Edge_1RB_Left	22.90	22.10
n41	80	30	2650	DFT	QPSK	Edge_1RB_Right	22.71	21.91
n41	80	30	2650	DFT	QPSK	Outer_Full	22.95	22.15
n41	80	30	2650	DFT	16QAM	Inner_Full	23.15	22.35
n41	80	30	2650	DFT	16QAM	Edge_1RB_Left	22.01	21.21
n41	80	30	2650	DFT	16QAM	Edge_1RB_Right	21.96	21.16
n41	80	30	2650	DFT	16QAM	Outer_Full	21.97	21.17
n41	80	30	2650	DFT	64QAM	Inner_Full	21.65	20.85
n41	80	30	2650	DFT	64QAM	Edge_1RB_Left	20.87	20.07
n41	80	30	2650	DFT	64QAM	Edge_1RB_Right	20.89	20.09
n41	80	30	2650	DFT	64QAM	Outer_Full	21.54	20.74
n41	80	30	2650	DFT	256QAM	Inner_Full	19.75	18.95
n41	80	30	2650	DFT	256QAM	Edge_1RB_Left	19.29	18.49
n41	80	30	2650	DFT	256QAM	Edge_1RB_Right	19.36	18.56
n41	80	30	2650	DFT	256QAM	Outer_Full	19.46	18.66
n41	80	30	2650	CP	QPSK	Inner_Full	22.74	21.94
n41	80	30	2650	CP	QPSK	Edge_1RB_Left	20.72	19.92
n41	80	30	2650	CP	QPSK	Edge_1RB_Right	20.76	19.96
n41	80	30	2650	CP	QPSK	Outer_Full	21.00	20.20
n41	80	30	2650	CP	16QAM	Inner_Full	22.16	21.36
n41	80	30	2650	CP	16QAM	Edge_1RB_Left	21.02	20.22
n41	80	30	2650	CP	16QAM	Edge_1RB_Right	20.71	19.91
n41	80	30	2650	CP	16QAM	Outer_Full	20.97	20.17
n41	80	30	2650	CP	64QAM	Inner_Full	20.68	19.88
n41	80	30	2650	CP	64QAM	Edge_1RB_Left	19.78	18.98
n41	80	30	2650	CP	64QAM	Edge_1RB_Right	19.60	18.80
n41	80	30	2650	CP	64QAM	Outer_Full	20.47	19.67
n41	80	30	2650	CP	256QAM	Inner_Full	17.65	16.85
n41	80	30	2650	CP	256QAM	Edge_1RB_Left	17.43	16.63
n41	80	30	2650	CP	256QAM	Edge_1RB_Right	17.03	16.23
n41	80	30	2650	CP	256QAM	Outer_Full	17.45	16.65
n41	90	30	2541	DFT	pi/2 BPSK	Inner_Full	24.29	23.49
n41	90	30	2541	DFT	pi/2 BPSK	Edge_1RB_Left	23.31	22.51
n41	90	30	2541	DFT	pi/2 BPSK	Edge_1RB_Right	23.54	22.74

n41	90	30	2541	DFT	pi/2 BPSK	Outer_Full	23.59	22.79
n41	90	30	2541	DFT	QPSK	Inner_Full	24.14	23.34
n41	90	30	2541	DFT	QPSK	Edge_1RB_Left	22.60	21.80
n41	90	30	2541	DFT	QPSK	Edge_1RB_Right	22.94	22.14
n41	90	30	2541	DFT	QPSK	Outer_Full	22.99	22.19
n41	90	30	2541	DFT	16QAM	Inner_Full	23.01	22.21
n41	90	30	2541	DFT	16QAM	Edge_1RB_Left	22.20	21.40
n41	90	30	2541	DFT	16QAM	Edge_1RB_Right	22.16	21.36
n41	90	30	2541	DFT	16QAM	Outer_Full	22.06	21.26
n41	90	30	2541	DFT	64QAM	Inner_Full	21.65	20.85
n41	90	30	2541	DFT	64QAM	Edge_1RB_Left	20.67	19.87
n41	90	30	2541	DFT	64QAM	Edge_1RB_Right	21.18	20.38
n41	90	30	2541	DFT	64QAM	Outer_Full	21.53	20.73
n41	90	30	2541	DFT	256QAM	Inner_Full	19.74	18.94
n41	90	30	2541	DFT	256QAM	Edge_1RB_Left	19.11	18.31
n41	90	30	2541	DFT	256QAM	Edge_1RB_Right	19.33	18.53
n41	90	30	2541	DFT	256QAM	Outer_Full	19.52	18.72
n41	90	30	2541	CP	QPSK	Inner_Full	22.66	21.86
n41	90	30	2541	CP	QPSK	Edge_1RB_Left	20.78	19.98
n41	90	30	2541	CP	QPSK	Edge_1RB_Right	21.05	20.25
n41	90	30	2541	CP	QPSK	Outer_Full	21.10	20.30
n41	90	30	2541	CP	16QAM	Inner_Full	22.07	21.27
n41	90	30	2541	CP	16QAM	Edge_1RB_Left	20.90	20.10
n41	90	30	2541	CP	16QAM	Edge_1RB_Right	21.05	20.25
n41	90	30	2541	CP	16QAM	Outer_Full	21.03	20.23
n41	90	30	2541	CP	64QAM	Inner_Full	20.56	19.76
n41	90	30	2541	CP	64QAM	Edge_1RB_Left	19.63	18.83
n41	90	30	2541	CP	64QAM	Edge_1RB_Right	20.17	19.37
n41	90	30	2541	CP	64QAM	Outer_Full	20.51	19.71
n41	90	30	2541	CP	256QAM	Inner_Full	17.57	16.77
n41	90	30	2541	CP	256QAM	Edge_1RB_Left	16.94	16.14
n41	90	30	2541	CP	256QAM	Edge_1RB_Right	17.36	16.56
n41	90	30	2541	CP	256QAM	Outer_Full	17.65	16.85
n41	90	30	2593	DFT	pi/2 BPSK	Inner_Full	24.07	23.27
n41	90	30	2593	DFT	pi/2 BPSK	Edge_1RB_Left	23.52	22.72
n41	90	30	2593	DFT	pi/2 BPSK	Edge_1RB_Right	23.48	22.68
n41	90	30	2593	DFT	pi/2 BPSK	Outer_Full	23.43	22.63
n41	90	30	2593	DFT	QPSK	Inner_Full	24.01	23.21
n41	90	30	2593	DFT	QPSK	Edge_1RB_Left	22.71	21.91
n41	90	30	2593	DFT	QPSK	Edge_1RB_Right	23.18	22.38
n41	90	30	2593	DFT	QPSK	Outer_Full	22.90	22.10

n41	90	30	2593	DFT	16QAM	Inner_Full	23.11	22.31
n41	90	30	2593	DFT	16QAM	Edge_1RB_Left	21.90	21.10
n41	90	30	2593	DFT	16QAM	Edge_1RB_Right	22.44	21.64
n41	90	30	2593	DFT	16QAM	Outer_Full	21.99	21.19
n41	90	30	2593	DFT	64QAM	Inner_Full	21.51	20.71
n41	90	30	2593	DFT	64QAM	Edge_1RB_Left	20.91	20.11
n41	90	30	2593	DFT	64QAM	Edge_1RB_Right	21.16	20.36
n41	90	30	2593	DFT	64QAM	Outer_Full	21.45	20.65
n41	90	30	2593	DFT	256QAM	Inner_Full	19.59	18.79
n41	90	30	2593	DFT	256QAM	Edge_1RB_Left	19.65	18.85
n41	90	30	2593	DFT	256QAM	Edge_1RB_Right	19.68	18.88
n41	90	30	2593	DFT	256QAM	Outer_Full	19.45	18.65
n41	90	30	2593	CP	QPSK	Inner_Full	22.62	21.82
n41	90	30	2593	CP	QPSK	Edge_1RB_Left	20.90	20.10
n41	90	30	2593	CP	QPSK	Edge_1RB_Right	21.21	20.41
n41	90	30	2593	CP	QPSK	Outer_Full	20.92	20.12
n41	90	30	2593	CP	16QAM	Inner_Full	21.97	21.17
n41	90	30	2593	CP	16QAM	Edge_1RB_Left	20.85	20.05
n41	90	30	2593	CP	16QAM	Edge_1RB_Right	21.39	20.59
n41	90	30	2593	CP	16QAM	Outer_Full	20.97	20.17
n41	90	30	2593	CP	64QAM	Inner_Full	20.45	19.65
n41	90	30	2593	CP	64QAM	Edge_1RB_Left	20.01	19.21
n41	90	30	2593	CP	64QAM	Edge_1RB_Right	20.30	19.50
n41	90	30	2593	CP	64QAM	Outer_Full	20.37	19.57
n41	90	30	2593	CP	256QAM	Inner_Full	17.47	16.67
n41	90	30	2593	CP	256QAM	Edge_1RB_Left	17.27	16.47
n41	90	30	2593	CP	256QAM	Edge_1RB_Right	17.38	16.58
n41	90	30	2593	CP	256QAM	Outer_Full	17.49	16.69
n41	90	30	2645	DFT	$\pi/2$ BPSK	Inner_Full	24.29	23.49
n41	90	30	2645	DFT	$\pi/2$ BPSK	Edge_1RB_Left	23.47	22.67
n41	90	30	2645	DFT	$\pi/2$ BPSK	Edge_1RB_Right	23.32	22.52
n41	90	30	2645	DFT	$\pi/2$ BPSK	Outer_Full	23.56	22.76
n41	90	30	2645	DFT	QPSK	Inner_Full	24.21	23.41
n41	90	30	2645	DFT	QPSK	Edge_1RB_Left	22.82	22.02
n41	90	30	2645	DFT	QPSK	Edge_1RB_Right	22.75	21.95
n41	90	30	2645	DFT	QPSK	Outer_Full	23.03	22.23
n41	90	30	2645	DFT	16QAM	Inner_Full	23.06	22.26
n41	90	30	2645	DFT	16QAM	Edge_1RB_Left	21.85	21.05
n41	90	30	2645	DFT	16QAM	Edge_1RB_Right	21.78	20.98
n41	90	30	2645	DFT	16QAM	Outer_Full	22.04	21.24
n41	90	30	2645	DFT	64QAM	Inner_Full	21.74	20.94

n41	90	30	2645	DFT	64QAM	Edge_1RB_Left	20.78	19.98
n41	90	30	2645	DFT	64QAM	Edge_1RB_Right	20.73	19.93
n41	90	30	2645	DFT	64QAM	Outer_Full	21.50	20.70
n41	90	30	2645	DFT	256QAM	Inner_Full	19.81	19.01
n41	90	30	2645	DFT	256QAM	Edge_1RB_Left	19.51	18.71
n41	90	30	2645	DFT	256QAM	Edge_1RB_Right	19.03	18.23
n41	90	30	2645	DFT	256QAM	Outer_Full	19.60	18.80
n41	90	30	2645	CP	QPSK	Inner_Full	22.66	21.86
n41	90	30	2645	CP	QPSK	Edge_1RB_Left	21.11	20.31
n41	90	30	2645	CP	QPSK	Edge_1RB_Right	20.75	19.95
n41	90	30	2645	CP	QPSK	Outer_Full	21.08	20.28
n41	90	30	2645	CP	16QAM	Inner_Full	22.19	21.39
n41	90	30	2645	CP	16QAM	Edge_1RB_Left	21.26	20.46
n41	90	30	2645	CP	16QAM	Edge_1RB_Right	20.78	19.98
n41	90	30	2645	CP	16QAM	Outer_Full	21.06	20.26
n41	90	30	2645	CP	64QAM	Inner_Full	20.67	19.87
n41	90	30	2645	CP	64QAM	Edge_1RB_Left	19.86	19.06
n41	90	30	2645	CP	64QAM	Edge_1RB_Right	19.72	18.92
n41	90	30	2645	CP	64QAM	Outer_Full	20.53	19.73
n41	90	30	2645	CP	256QAM	Inner_Full	17.75	16.95
n41	90	30	2645	CP	256QAM	Edge_1RB_Left	17.28	16.48
n41	90	30	2645	CP	256QAM	Edge_1RB_Right	17.18	16.38
n41	90	30	2645	CP	256QAM	Outer_Full	17.64	16.84
n41	100	30	2593	DFT	$\pi/2$ BPSK	Inner_Full	24.04	23.24
n41	100	30	2593	DFT	$\pi/2$ BPSK	Edge_1RB_Left	23.71	22.91
n41	100	30	2593	DFT	$\pi/2$ BPSK	Edge_1RB_Right	23.85	23.05
n41	100	30	2593	DFT	$\pi/2$ BPSK	Outer_Full	23.49	22.69
n41	100	30	2593	DFT	QPSK	Inner_Full	23.99	23.19
n41	100	30	2593	DFT	QPSK	Edge_1RB_Left	22.96	22.16
n41	100	30	2593	DFT	QPSK	Edge_1RB_Right	23.13	22.33
n41	100	30	2593	DFT	QPSK	Outer_Full	22.99	22.19
n41	100	30	2593	DFT	16QAM	Inner_Full	22.98	22.18
n41	100	30	2593	DFT	16QAM	Edge_1RB_Left	21.88	21.08
n41	100	30	2593	DFT	16QAM	Edge_1RB_Right	22.32	21.52
n41	100	30	2593	DFT	16QAM	Outer_Full	21.93	21.13
n41	100	30	2593	DFT	64QAM	Inner_Full	21.50	20.70
n41	100	30	2593	DFT	64QAM	Edge_1RB_Left	21.36	20.56
n41	100	30	2593	DFT	64QAM	Edge_1RB_Right	21.13	20.33
n41	100	30	2593	DFT	64QAM	Outer_Full	21.47	20.67
n41	100	30	2593	DFT	256QAM	Inner_Full	19.33	18.53
n41	100	30	2593	DFT	256QAM	Edge_1RB_Left	19.39	18.59

n41	100	30	2593	DFT	256QAM	Edge_1RB_Right	19.29	18.49
n41	100	30	2593	DFT	256QAM	Outer_Full	19.76	18.96
n41	100	30	2593	CP	QPSK	Inner_Full	22.55	21.75
n41	100	30	2593	CP	QPSK	Edge_1RB_Left	21.10	20.30
n41	100	30	2593	CP	QPSK	Edge_1RB_Right	21.34	20.54
n41	100	30	2593	CP	QPSK	Outer_Full	20.92	20.12
n41	100	30	2593	CP	16QAM	Inner_Full	21.93	21.13
n41	100	30	2593	CP	16QAM	Edge_1RB_Left	21.11	20.31
n41	100	30	2593	CP	16QAM	Edge_1RB_Right	21.41	20.61
n41	100	30	2593	CP	16QAM	Outer_Full	20.89	20.09
n41	100	30	2593	CP	64QAM	Inner_Full	20.47	19.67
n41	100	30	2593	CP	64QAM	Edge_1RB_Left	20.03	19.23
n41	100	30	2593	CP	64QAM	Edge_1RB_Right	20.18	19.38
n41	100	30	2593	CP	64QAM	Outer_Full	20.48	19.68
n41	100	30	2593	CP	256QAM	Inner_Full	17.47	16.67
n41	100	30	2593	CP	256QAM	Edge_1RB_Left	17.55	16.75
n41	100	30	2593	CP	256QAM	Edge_1RB_Right	17.59	16.79
n41	100	30	2593	CP	256QAM	Outer_Full	17.43	16.63
n41	100	30	2546	DFT	pi/2 BPSK	Inner_Full	24.08	23.28
n41	100	30	2546	DFT	pi/2 BPSK	Edge_1RB_Left	23.20	22.40
n41	100	30	2546	DFT	pi/2 BPSK	Edge_1RB_Right	23.60	22.80
n41	100	30	2546	DFT	pi/2 BPSK	Outer_Full	23.60	22.80
n41	100	30	2546	DFT	QPSK	Inner_Full	23.98	23.18
n41	100	30	2546	DFT	QPSK	Edge_1RB_Left	22.56	21.76
n41	100	30	2546	DFT	QPSK	Edge_1RB_Right	22.99	22.19
n41	100	30	2546	DFT	QPSK	Outer_Full	22.97	22.17
n41	100	30	2546	DFT	16QAM	Inner_Full	22.96	22.16
n41	100	30	2546	DFT	16QAM	Edge_1RB_Left	21.72	20.92
n41	100	30	2546	DFT	16QAM	Edge_1RB_Right	22.21	21.41
n41	100	30	2546	DFT	16QAM	Outer_Full	21.99	21.19
n41	100	30	2546	DFT	64QAM	Inner_Full	21.23	20.43
n41	100	30	2546	DFT	64QAM	Edge_1RB_Left	20.86	20.06
n41	100	30	2546	DFT	64QAM	Edge_1RB_Right	21.21	20.41
n41	100	30	2546	DFT	64QAM	Outer_Full	21.26	20.46
n41	100	30	2546	DFT	256QAM	Inner_Full	19.57	18.77
n41	100	30	2546	DFT	256QAM	Edge_1RB_Left	19.18	18.38
n41	100	30	2546	DFT	256QAM	Edge_1RB_Right	19.07	18.27
n41	100	30	2546	DFT	256QAM	Outer_Full	19.58	18.78
n41	100	30	2546	CP	QPSK	Inner_Full	22.56	21.76
n41	100	30	2546	CP	QPSK	Edge_1RB_Left	20.91	20.11
n41	100	30	2546	CP	QPSK	Edge_1RB_Right	21.07	20.27

n41	100	30	2546	CP	QPSK	Outer_Full	21.11	20.31
n41	100	30	2546	CP	16QAM	Inner_Full	21.92	21.12
n41	100	30	2546	CP	16QAM	Edge_1RB_Left	20.90	20.10
n41	100	30	2546	CP	16QAM	Edge_1RB_Right	21.17	20.37
n41	100	30	2546	CP	16QAM	Outer_Full	21.08	20.28
n41	100	30	2546	CP	64QAM	Inner_Full	20.47	19.67
n41	100	30	2546	CP	64QAM	Edge_1RB_Left	19.72	18.92
n41	100	30	2546	CP	64QAM	Edge_1RB_Right	20.04	19.24
n41	100	30	2546	CP	64QAM	Outer_Full	20.58	19.78
n41	100	30	2546	CP	256QAM	Inner_Full	17.54	16.74
n41	100	30	2546	CP	256QAM	Edge_1RB_Left	17.02	16.22
n41	100	30	2546	CP	256QAM	Edge_1RB_Right	17.61	16.81
n41	100	30	2546	CP	256QAM	Outer_Full	17.57	16.77
n41	100	30	2640	DFT	pi/2 BPSK	Inner_Full	24.18	23.38
n41	100	30	2640	DFT	pi/2 BPSK	Edge_1RB_Left	23.55	22.75
n41	100	30	2640	DFT	pi/2 BPSK	Edge_1RB_Right	23.33	22.53
n41	100	30	2640	DFT	pi/2 BPSK	Outer_Full	23.50	22.70
n41	100	30	2640	DFT	QPSK	Inner_Full	24.01	23.21
n41	100	30	2640	DFT	QPSK	Edge_1RB_Left	23.09	22.29
n41	100	30	2640	DFT	QPSK	Edge_1RB_Right	22.59	21.79
n41	100	30	2640	DFT	QPSK	Outer_Full	23.01	22.21
n41	100	30	2640	DFT	16QAM	Inner_Full	23.08	22.28
n41	100	30	2640	DFT	16QAM	Edge_1RB_Left	22.29	21.49
n41	100	30	2640	DFT	16QAM	Edge_1RB_Right	21.70	20.90
n41	100	30	2640	DFT	16QAM	Outer_Full	22.06	21.26
n41	100	30	2640	DFT	64QAM	Inner_Full	21.64	20.84
n41	100	30	2640	DFT	64QAM	Edge_1RB_Left	21.10	20.30
n41	100	30	2640	DFT	64QAM	Edge_1RB_Right	20.84	20.04
n41	100	30	2640	DFT	64QAM	Outer_Full	21.49	20.69
n41	100	30	2640	DFT	256QAM	Inner_Full	19.61	18.81
n41	100	30	2640	DFT	256QAM	Edge_1RB_Left	19.87	19.07
n41	100	30	2640	DFT	256QAM	Edge_1RB_Right	19.05	18.25
n41	100	30	2640	DFT	256QAM	Outer_Full	19.31	18.51
n41	100	30	2640	CP	QPSK	Inner_Full	22.62	21.82
n41	100	30	2640	CP	QPSK	Edge_1RB_Left	21.18	20.38
n41	100	30	2640	CP	QPSK	Edge_1RB_Right	20.81	20.01
n41	100	30	2640	CP	QPSK	Outer_Full	20.97	20.17
n41	100	30	2640	CP	16QAM	Inner_Full	21.98	21.18
n41	100	30	2640	CP	16QAM	Edge_1RB_Left	21.02	20.22
n41	100	30	2640	CP	16QAM	Edge_1RB_Right	20.82	20.02
n41	100	30	2640	CP	16QAM	Outer_Full	21.02	20.22

n41	100	30	2640	CP	64QAM	Inner_Full	20.57	19.77
n41	100	30	2640	CP	64QAM	Edge_1RB_Left	20.01	19.21
n41	100	30	2640	CP	64QAM	Edge_1RB_Right	19.93	19.13
n41	100	30	2640	CP	64QAM	Outer_Full	20.49	19.69
n41	100	30	2640	CP	256QAM	Inner_Full	17.61	16.81
n41	100	30	2640	CP	256QAM	Edge_1RB_Left	17.39	16.59
n41	100	30	2640	CP	256QAM	Edge_1RB_Right	17.26	16.46
n41	100	30	2640	CP	256QAM	Outer_Full	17.44	16.64
n41	100	30	2546	DFT	pi/2 BPSK	Inner_Full	25.40	24.60
n41	100	30	2546	DFT	pi/2 BPSK	Edge_1RB_Left	20.88	20.08
n41	100	30	2546	DFT	pi/2 BPSK	Edge_1RB_Right	21.43	20.63
n41	100	30	2546	DFT	pi/2 BPSK	Outer_Full	24.75	23.95
n41	100	30	2546	DFT	QPSK	Inner_Full	25.32	24.52
n41	100	30	2546	DFT	QPSK	Edge_1RB_Left	20.80	20.00
n41	100	30	2546	DFT	QPSK	Edge_1RB_Right	21.39	20.59
n41	100	30	2546	DFT	QPSK	Outer_Full	24.28	23.48
n41	100	30	2546	DFT	16QAM	Inner_Full	24.30	23.50
n41	100	30	2546	DFT	16QAM	Edge_1RB_Left	20.70	19.90
n41	100	30	2546	DFT	16QAM	Edge_1RB_Right	21.29	20.49
n41	100	30	2546	DFT	16QAM	Outer_Full	23.25	22.45
n41	100	30	2546	DFT	64QAM	Inner_Full	22.80	22.00
n41	100	30	2546	DFT	64QAM	Edge_1RB_Left	21.04	20.24
n41	100	30	2546	DFT	64QAM	Edge_1RB_Right	21.23	20.43
n41	100	30	2546	DFT	64QAM	Outer_Full	22.76	21.96
n41	100	30	2546	DFT	256QAM	Inner_Full	20.94	20.14
n41	100	30	2546	DFT	256QAM	Edge_1RB_Left	19.84	19.04
n41	100	30	2546	DFT	256QAM	Edge_1RB_Right	20.73	19.93
n41	100	30	2546	DFT	256QAM	Outer_Full	20.90	20.10
n41	100	30	2546	CP	QPSK	Inner_Full	23.80	23.00
n41	100	30	2546	CP	QPSK	Edge_1RB_Left	20.72	19.92
n41	100	30	2546	CP	QPSK	Edge_1RB_Right	21.38	20.58
n41	100	30	2546	CP	QPSK	Outer_Full	22.21	21.41
n41	100	30	2546	CP	16QAM	Inner_Full	23.27	22.47
n41	100	30	2546	CP	16QAM	Edge_1RB_Left	20.60	19.80
n41	100	30	2546	CP	16QAM	Edge_1RB_Right	21.31	20.51
n41	100	30	2546	CP	16QAM	Outer_Full	22.21	21.41
n41	100	30	2546	CP	64QAM	Inner_Full	21.74	20.94
n41	100	30	2546	CP	64QAM	Edge_1RB_Left	20.53	19.73
n41	100	30	2546	CP	64QAM	Edge_1RB_Right	21.10	20.30
n41	100	30	2546	CP	64QAM	Outer_Full	21.62	20.82
n41	100	30	2546	CP	256QAM	Inner_Full	18.80	18.00

n41	100	30	2546	CP	256QAM	Edge_1RB_Left	17.75	16.95
n41	100	30	2546	CP	256QAM	Edge_1RB_Right	18.58	17.78
n41	100	30	2546	CP	256QAM	Outer_Full	18.79	17.99
n41	100	30	2593	DFT	pi/2 BPSK	Inner_Full	25.47	24.67
n41	100	30	2593	DFT	pi/2 BPSK	Edge_1RB_Left	21.03	20.23
n41	100	30	2593	DFT	pi/2 BPSK	Edge_1RB_Right	21.07	20.27
n41	100	30	2593	DFT	pi/2 BPSK	Outer_Full	24.63	23.83
n41	100	30	2593	DFT	QPSK	Inner_Full	25.43	24.63
n41	100	30	2593	DFT	QPSK	Edge_1RB_Left	21.03	20.23
n41	100	30	2593	DFT	QPSK	Edge_1RB_Right	21.01	20.21
n41	100	30	2593	DFT	QPSK	Outer_Full	24.08	23.28
n41	100	30	2593	DFT	16QAM	Inner_Full	24.42	23.62
n41	100	30	2593	DFT	16QAM	Edge_1RB_Left	21.18	20.38
n41	100	30	2593	DFT	16QAM	Edge_1RB_Right	20.98	20.18
n41	100	30	2593	DFT	16QAM	Outer_Full	23.03	22.23
n41	100	30	2593	DFT	64QAM	Inner_Full	22.93	22.13
n41	100	30	2593	DFT	64QAM	Edge_1RB_Left	21.22	20.42
n41	100	30	2593	DFT	64QAM	Edge_1RB_Right	21.10	20.30
n41	100	30	2593	DFT	64QAM	Outer_Full	22.60	21.80
n41	100	30	2593	DFT	256QAM	Inner_Full	21.04	20.24
n41	100	30	2593	DFT	256QAM	Edge_1RB_Left	19.75	18.95
n41	100	30	2593	DFT	256QAM	Edge_1RB_Right	19.72	18.92
n41	100	30	2593	DFT	256QAM	Outer_Full	20.70	19.90
n41	100	30	2593	CP	QPSK	Inner_Full	23.96	23.16
n41	100	30	2593	CP	QPSK	Edge_1RB_Left	21.03	20.23
n41	100	30	2593	CP	QPSK	Edge_1RB_Right	21.00	20.20
n41	100	30	2593	CP	QPSK	Outer_Full	22.15	21.35
n41	100	30	2593	CP	16QAM	Inner_Full	23.41	22.61
n41	100	30	2593	CP	16QAM	Edge_1RB_Left	21.00	20.20
n41	100	30	2593	CP	16QAM	Edge_1RB_Right	21.00	20.20
n41	100	30	2593	CP	16QAM	Outer_Full	22.09	21.29
n41	100	30	2593	CP	64QAM	Inner_Full	21.88	21.08
n41	100	30	2593	CP	64QAM	Edge_1RB_Left	20.85	20.05
n41	100	30	2593	CP	64QAM	Edge_1RB_Right	20.86	20.06
n41	100	30	2593	CP	64QAM	Outer_Full	21.64	20.84
n41	100	30	2593	CP	256QAM	Inner_Full	18.89	18.09
n41	100	30	2593	CP	256QAM	Edge_1RB_Left	17.89	17.09
n41	100	30	2593	CP	256QAM	Edge_1RB_Right	18.05	17.25
n41	100	30	2593	CP	256QAM	Outer_Full	18.68	17.88
n41	100	30	2640	DFT	pi/2 BPSK	Inner_Full	25.19	24.39
n41	100	30	2640	DFT	pi/2 BPSK	Edge_1RB_Left	21.43	20.63

n41	100	30	2640	DFT	pi/2 BPSK	Edge_1RB_Right	20.87	20.07
n41	100	30	2640	DFT	pi/2 BPSK	Outer_Full	24.59	23.79
n41	100	30	2640	DFT	QPSK	Inner_Full	25.22	24.42
n41	100	30	2640	DFT	QPSK	Edge_1RB_Left	21.40	20.60
n41	100	30	2640	DFT	QPSK	Edge_1RB_Right	20.98	20.18
n41	100	30	2640	DFT	QPSK	Outer_Full	24.09	23.29
n41	100	30	2640	DFT	16QAM	Inner_Full	24.21	23.41
n41	100	30	2640	DFT	16QAM	Edge_1RB_Left	21.36	20.56
n41	100	30	2640	DFT	16QAM	Edge_1RB_Right	20.86	20.06
n41	100	30	2640	DFT	16QAM	Outer_Full	23.11	22.31
n41	100	30	2640	DFT	64QAM	Inner_Full	22.68	21.88
n41	100	30	2640	DFT	64QAM	Edge_1RB_Left	21.38	20.58
n41	100	30	2640	DFT	64QAM	Edge_1RB_Right	20.82	20.02
n41	100	30	2640	DFT	64QAM	Outer_Full	22.63	21.83
n41	100	30	2640	DFT	256QAM	Inner_Full	20.87	20.07
n41	100	30	2640	DFT	256QAM	Edge_1RB_Left	20.58	19.78
n41	100	30	2640	DFT	256QAM	Edge_1RB_Right	19.72	18.92
n41	100	30	2640	DFT	256QAM	Outer_Full	20.72	19.92
n41	100	30	2640	CP	QPSK	Inner_Full	23.67	22.87
n41	100	30	2640	CP	QPSK	Edge_1RB_Left	21.42	20.62
n41	100	30	2640	CP	QPSK	Edge_1RB_Right	21.01	20.21
n41	100	30	2640	CP	QPSK	Outer_Full	22.09	21.29
n41	100	30	2640	CP	16QAM	Inner_Full	23.21	22.41
n41	100	30	2640	CP	16QAM	Edge_1RB_Left	21.39	20.59
n41	100	30	2640	CP	16QAM	Edge_1RB_Right	21.00	20.20
n41	100	30	2640	CP	16QAM	Outer_Full	22.07	21.27
n41	100	30	2640	CP	64QAM	Inner_Full	21.71	20.91
n41	100	30	2640	CP	64QAM	Edge_1RB_Left	21.59	20.79
n41	100	30	2640	CP	64QAM	Edge_1RB_Right	20.92	20.12
n41	100	30	2640	CP	64QAM	Outer_Full	21.55	20.75
n41	100	30	2640	CP	256QAM	Inner_Full	18.68	17.88
n41	100	30	2640	CP	256QAM	Edge_1RB_Left	18.32	17.52
n41	100	30	2640	CP	256QAM	Edge_1RB_Right	17.82	17.02
n41	100	30	2640	CP	256QAM	Outer_Full	18.69	17.89

n78L
Limits: ≤30dBm (1W)

Max EIRP: 25.94dBm

BAND	BW(MHz)	SCS(kHz)	FREQ(MHz)	OFDM	MODULATION	RB LOCATION	Conducted POWER(dBm)	Radiatedd POWER(dBm) GT = -1dBi
n78L	20	30	3460.02	DFT	pi/2 BPSK	Inner_Full	26.22	25.22
n78L	20	30	3460.02	DFT	pi/2 BPSK	Edge_1RB_Left	23.03	22.03
n78L	20	30	3460.02	DFT	pi/2 BPSK	Edge_1RB_Right	22.87	21.87
n78L	20	30	3460.02	DFT	pi/2 BPSK	Outer_Full	25.86	24.86
n78L	20	30	3460.02	DFT	QPSK	Inner_Full	26.34	25.34
n78L	20	30	3460.02	DFT	QPSK	Edge_1RB_Left	22.86	21.86
n78L	20	30	3460.02	DFT	QPSK	Edge_1RB_Right	22.85	21.85
n78L	20	30	3460.02	DFT	QPSK	Outer_Full	25.46	24.46
n78L	20	30	3460.02	DFT	16QAM	Inner_Full	25.42	24.42
n78L	20	30	3460.02	DFT	16QAM	Edge_1RB_Left	23.15	22.15
n78L	20	30	3460.02	DFT	16QAM	Edge_1RB_Right	22.93	21.93
n78L	20	30	3460.02	DFT	16QAM	Outer_Full	24.45	23.45
n78L	20	30	3460.02	DFT	64QAM	Inner_Full	24.32	23.32
n78L	20	30	3460.02	DFT	64QAM	Edge_1RB_Left	22.63	21.63
n78L	20	30	3460.02	DFT	64QAM	Edge_1RB_Right	22.35	21.35
n78L	20	30	3460.02	DFT	64QAM	Outer_Full	23.77	22.77
n78L	20	30	3460.02	DFT	256QAM	Inner_Full	22.23	21.23
n78L	20	30	3460.02	DFT	256QAM	Edge_1RB_Left	21.78	20.78
n78L	20	30	3460.02	DFT	256QAM	Edge_1RB_Right	21.84	20.84
n78L	20	30	3460.02	DFT	256QAM	Outer_Full	21.77	20.77
n78L	20	30	3460.02	CP	QPSK	Inner_Full	24.71	23.71
n78L	20	30	3460.02	CP	QPSK	Edge_1RB_Left	23.01	22.01
n78L	20	30	3460.02	CP	QPSK	Edge_1RB_Right	23.00	22.00
n78L	20	30	3460.02	CP	QPSK	Outer_Full	23.27	22.27
n78L	20	30	3460.02	CP	16QAM	Inner_Full	24.32	23.32
n78L	20	30	3460.02	CP	16QAM	Edge_1RB_Left	22.92	21.92
n78L	20	30	3460.02	CP	16QAM	Edge_1RB_Right	22.85	21.85
n78L	20	30	3460.02	CP	16QAM	Outer_Full	23.34	22.34
n78L	20	30	3460.02	CP	64QAM	Inner_Full	22.79	21.79
n78L	20	30	3460.02	CP	64QAM	Edge_1RB_Left	22.28	21.28
n78L	20	30	3460.02	CP	64QAM	Edge_1RB_Right	22.53	21.53
n78L	20	30	3460.02	CP	64QAM	Outer_Full	23.01	22.01
n78L	20	30	3460.02	CP	256QAM	Inner_Full	19.72	18.72
n78L	20	30	3460.02	CP	256QAM	Edge_1RB_Left	19.89	18.89
n78L	20	30	3460.02	CP	256QAM	Edge_1RB_Right	19.85	18.85
n78L	20	30	3460.02	CP	256QAM	Outer_Full	19.99	18.99

n78L	20	30	3500.01	DFT	pi/2 BPSK	Inner_Full	26.76	25.76
n78L	20	30	3500.01	DFT	pi/2 BPSK	Edge_1RB_Left	23.25	22.25
n78L	20	30	3500.01	DFT	pi/2 BPSK	Edge_1RB_Right	23.51	22.51
n78L	20	30	3500.01	DFT	pi/2 BPSK	Outer_Full	26.11	25.11
n78L	20	30	3500.01	DFT	QPSK	Inner_Full	26.65	25.65
n78L	20	30	3500.01	DFT	QPSK	Edge_1RB_Left	23.21	22.21
n78L	20	30	3500.01	DFT	QPSK	Edge_1RB_Right	23.25	22.25
n78L	20	30	3500.01	DFT	QPSK	Outer_Full	25.64	24.64
n78L	20	30	3500.01	DFT	16QAM	Inner_Full	25.91	24.91
n78L	20	30	3500.01	DFT	16QAM	Edge_1RB_Left	23.39	22.39
n78L	20	30	3500.01	DFT	16QAM	Edge_1RB_Right	23.40	22.40
n78L	20	30	3500.01	DFT	16QAM	Outer_Full	24.82	23.82
n78L	20	30	3500.01	DFT	64QAM	Inner_Full	24.02	23.02
n78L	20	30	3500.01	DFT	64QAM	Edge_1RB_Left	22.82	21.82
n78L	20	30	3500.01	DFT	64QAM	Edge_1RB_Right	22.64	21.64
n78L	20	30	3500.01	DFT	64QAM	Outer_Full	24.59	23.59
n78L	20	30	3500.01	DFT	256QAM	Inner_Full	22.42	21.42
n78L	20	30	3500.01	DFT	256QAM	Edge_1RB_Left	21.93	20.93
n78L	20	30	3500.01	DFT	256QAM	Edge_1RB_Right	22.35	21.35
n78L	20	30	3500.01	DFT	256QAM	Outer_Full	22.16	21.16
n78L	20	30	3500.01	CP	QPSK	Inner_Full	25.28	24.28
n78L	20	30	3500.01	CP	QPSK	Edge_1RB_Left	23.31	22.31
n78L	20	30	3500.01	CP	QPSK	Edge_1RB_Right	23.27	22.27
n78L	20	30	3500.01	CP	QPSK	Outer_Full	23.78	22.78
n78L	20	30	3500.01	CP	16QAM	Inner_Full	24.84	23.84
n78L	20	30	3500.01	CP	16QAM	Edge_1RB_Left	23.40	22.40
n78L	20	30	3500.01	CP	16QAM	Edge_1RB_Right	23.90	22.90
n78L	20	30	3500.01	CP	16QAM	Outer_Full	23.86	22.86
n78L	20	30	3500.01	CP	64QAM	Inner_Full	23.43	22.43
n78L	20	30	3500.01	CP	64QAM	Edge_1RB_Left	22.63	21.63
n78L	20	30	3500.01	CP	64QAM	Edge_1RB_Right	22.77	21.77
n78L	20	30	3500.01	CP	64QAM	Outer_Full	23.25	22.25
n78L	20	30	3500.01	CP	256QAM	Inner_Full	20.40	19.40
n78L	20	30	3500.01	CP	256QAM	Edge_1RB_Left	19.78	18.78
n78L	20	30	3500.01	CP	256QAM	Edge_1RB_Right	20.26	19.26
n78L	20	30	3500.01	CP	256QAM	Outer_Full	20.44	19.44
n78L	20	30	3540	DFT	pi/2 BPSK	Inner_Full	26.55	25.55
n78L	20	30	3540	DFT	pi/2 BPSK	Edge_1RB_Left	23.16	22.16
n78L	20	30	3540	DFT	pi/2 BPSK	Edge_1RB_Right	23.35	22.35
n78L	20	30	3540	DFT	pi/2 BPSK	Outer_Full	26.08	25.08
n78L	20	30	3540	DFT	QPSK	Inner_Full	26.54	25.54

n78L	20	30	3540	DFT	QPSK	Edge_1RB_Left	22.90	21.90
n78L	20	30	3540	DFT	QPSK	Edge_1RB_Right	23.25	22.25
n78L	20	30	3540	DFT	QPSK	Outer_Full	25.60	24.60
n78L	20	30	3540	DFT	16QAM	Inner_Full	25.40	24.40
n78L	20	30	3540	DFT	16QAM	Edge_1RB_Left	23.08	22.08
n78L	20	30	3540	DFT	16QAM	Edge_1RB_Right	23.34	22.34
n78L	20	30	3540	DFT	16QAM	Outer_Full	24.58	23.58
n78L	20	30	3540	DFT	64QAM	Inner_Full	24.07	23.07
n78L	20	30	3540	DFT	64QAM	Edge_1RB_Left	22.69	21.69
n78L	20	30	3540	DFT	64QAM	Edge_1RB_Right	22.92	21.92
n78L	20	30	3540	DFT	64QAM	Outer_Full	24.44	23.44
n78L	20	30	3540	DFT	256QAM	Inner_Full	22.50	21.50
n78L	20	30	3540	DFT	256QAM	Edge_1RB_Left	21.80	20.80
n78L	20	30	3540	DFT	256QAM	Edge_1RB_Right	22.10	21.10
n78L	20	30	3540	DFT	256QAM	Outer_Full	21.59	20.59
n78L	20	30	3540	CP	QPSK	Inner_Full	25.03	24.03
n78L	20	30	3540	CP	QPSK	Edge_1RB_Left	22.91	21.91
n78L	20	30	3540	CP	QPSK	Edge_1RB_Right	23.14	22.14
n78L	20	30	3540	CP	QPSK	Outer_Full	23.64	22.64
n78L	20	30	3540	CP	16QAM	Inner_Full	24.57	23.57
n78L	20	30	3540	CP	16QAM	Edge_1RB_Left	23.15	22.15
n78L	20	30	3540	CP	16QAM	Edge_1RB_Right	23.35	22.35
n78L	20	30	3540	CP	16QAM	Outer_Full	23.52	22.52
n78L	20	30	3540	CP	64QAM	Inner_Full	22.95	21.95
n78L	20	30	3540	CP	64QAM	Edge_1RB_Left	22.83	21.83
n78L	20	30	3540	CP	64QAM	Edge_1RB_Right	23.01	22.01
n78L	20	30	3540	CP	64QAM	Outer_Full	23.19	22.19
n78L	20	30	3540	CP	256QAM	Inner_Full	20.07	19.07
n78L	20	30	3540	CP	256QAM	Edge_1RB_Left	19.76	18.76
n78L	20	30	3540	CP	256QAM	Edge_1RB_Right	20.05	19.05
n78L	20	30	3540	CP	256QAM	Outer_Full	19.96	18.96
n78L	30	30	3465	DFT	pi/2 BPSK	Inner_Full	26.27	25.27
n78L	30	30	3465	DFT	pi/2 BPSK	Edge_1RB_Left	23.03	22.03
n78L	30	30	3465	DFT	pi/2 BPSK	Edge_1RB_Right	22.75	21.75
n78L	30	30	3465	DFT	pi/2 BPSK	Outer_Full	25.95	24.95
n78L	30	30	3465	DFT	QPSK	Inner_Full	26.43	25.43
n78L	30	30	3465	DFT	QPSK	Edge_1RB_Left	22.97	21.97
n78L	30	30	3465	DFT	QPSK	Edge_1RB_Right	22.92	21.92
n78L	30	30	3465	DFT	QPSK	Outer_Full	25.48	24.48
n78L	30	30	3465	DFT	16QAM	Inner_Full	25.12	24.12
n78L	30	30	3465	DFT	16QAM	Edge_1RB_Left	23.06	22.06

n78L	30	30	3465	DFT	16QAM	Edge_1RB_Right	22.93	21.93
n78L	30	30	3465	DFT	16QAM	Outer_Full	24.50	23.50
n78L	30	30	3465	DFT	64QAM	Inner_Full	23.55	22.55
n78L	30	30	3465	DFT	64QAM	Edge_1RB_Left	22.22	21.22
n78L	30	30	3465	DFT	64QAM	Edge_1RB_Right	22.27	21.27
n78L	30	30	3465	DFT	64QAM	Outer_Full	23.52	22.52
n78L	30	30	3465	DFT	256QAM	Inner_Full	21.89	20.89
n78L	30	30	3465	DFT	256QAM	Edge_1RB_Left	21.92	20.92
n78L	30	30	3465	DFT	256QAM	Edge_1RB_Right	21.68	20.68
n78L	30	30	3465	DFT	256QAM	Outer_Full	22.00	21.00
n78L	30	30	3465	CP	QPSK	Inner_Full	24.91	23.91
n78L	30	30	3465	CP	QPSK	Edge_1RB_Left	23.19	22.19
n78L	30	30	3465	CP	QPSK	Edge_1RB_Right	22.74	21.74
n78L	30	30	3465	CP	QPSK	Outer_Full	23.49	22.49
n78L	30	30	3465	CP	16QAM	Inner_Full	24.40	23.40
n78L	30	30	3465	CP	16QAM	Edge_1RB_Left	23.00	22.00
n78L	30	30	3465	CP	16QAM	Edge_1RB_Right	23.02	22.02
n78L	30	30	3465	CP	16QAM	Outer_Full	23.37	22.37
n78L	30	30	3465	CP	64QAM	Inner_Full	22.89	21.89
n78L	30	30	3465	CP	64QAM	Edge_1RB_Left	22.30	21.30
n78L	30	30	3465	CP	64QAM	Edge_1RB_Right	22.49	21.49
n78L	30	30	3465	CP	64QAM	Outer_Full	22.73	21.73
n78L	30	30	3465	CP	256QAM	Inner_Full	19.78	18.78
n78L	30	30	3465	CP	256QAM	Edge_1RB_Left	19.72	18.72
n78L	30	30	3465	CP	256QAM	Edge_1RB_Right	19.57	18.57
n78L	30	30	3465	CP	256QAM	Outer_Full	19.82	18.82
n78L	30	30	3500.01	DFT	$\pi/2$ BPSK	Inner_Full	26.92	25.92
n78L	30	30	3500.01	DFT	$\pi/2$ BPSK	Edge_1RB_Left	23.28	22.28
n78L	30	30	3500.01	DFT	$\pi/2$ BPSK	Edge_1RB_Right	23.43	22.43
n78L	30	30	3500.01	DFT	$\pi/2$ BPSK	Outer_Full	26.24	25.24
n78L	30	30	3500.01	DFT	QPSK	Inner_Full	26.93	25.93
n78L	30	30	3500.01	DFT	QPSK	Edge_1RB_Left	23.18	22.18
n78L	30	30	3500.01	DFT	QPSK	Edge_1RB_Right	23.36	22.36
n78L	30	30	3500.01	DFT	QPSK	Outer_Full	25.77	24.77
n78L	30	30	3500.01	DFT	16QAM	Inner_Full	25.86	24.86
n78L	30	30	3500.01	DFT	16QAM	Edge_1RB_Left	23.02	22.02
n78L	30	30	3500.01	DFT	16QAM	Edge_1RB_Right	23.40	22.40
n78L	30	30	3500.01	DFT	16QAM	Outer_Full	24.79	23.79
n78L	30	30	3500.01	DFT	64QAM	Inner_Full	24.39	23.39
n78L	30	30	3500.01	DFT	64QAM	Edge_1RB_Left	22.68	21.68
n78L	30	30	3500.01	DFT	64QAM	Edge_1RB_Right	22.60	21.60

n78L	30	30	3500.01	DFT	64QAM	Outer_Full	23.93	22.93
n78L	30	30	3500.01	DFT	256QAM	Inner_Full	22.42	21.42
n78L	30	30	3500.01	DFT	256QAM	Edge_1RB_Left	22.52	21.52
n78L	30	30	3500.01	DFT	256QAM	Edge_1RB_Right	22.27	21.27
n78L	30	30	3500.01	DFT	256QAM	Outer_Full	22.43	21.43
n78L	30	30	3500.01	CP	QPSK	Inner_Full	25.49	24.49
n78L	30	30	3500.01	CP	QPSK	Edge_1RB_Left	22.89	21.89
n78L	30	30	3500.01	CP	QPSK	Edge_1RB_Right	23.28	22.28
n78L	30	30	3500.01	CP	QPSK	Outer_Full	23.94	22.94
n78L	30	30	3500.01	CP	16QAM	Inner_Full	24.83	23.83
n78L	30	30	3500.01	CP	16QAM	Edge_1RB_Left	23.00	22.00
n78L	30	30	3500.01	CP	16QAM	Edge_1RB_Right	23.41	22.41
n78L	30	30	3500.01	CP	16QAM	Outer_Full	23.91	22.91
n78L	30	30	3500.01	CP	64QAM	Inner_Full	23.26	22.26
n78L	30	30	3500.01	CP	64QAM	Edge_1RB_Left	22.69	21.69
n78L	30	30	3500.01	CP	64QAM	Edge_1RB_Right	23.18	22.18
n78L	30	30	3500.01	CP	64QAM	Outer_Full	23.27	22.27
n78L	30	30	3500.01	CP	256QAM	Inner_Full	20.29	19.29
n78L	30	30	3500.01	CP	256QAM	Edge_1RB_Left	20.19	19.19
n78L	30	30	3500.01	CP	256QAM	Edge_1RB_Right	20.14	19.14
n78L	30	30	3500.01	CP	256QAM	Outer_Full	20.19	19.19
n78L	30	30	3534.99	DFT	$\pi/2$ BPSK	Inner_Full	26.72	25.72
n78L	30	30	3534.99	DFT	$\pi/2$ BPSK	Edge_1RB_Left	23.30	22.30
n78L	30	30	3534.99	DFT	$\pi/2$ BPSK	Edge_1RB_Right	23.35	22.35
n78L	30	30	3534.99	DFT	$\pi/2$ BPSK	Outer_Full	26.31	25.31
n78L	30	30	3534.99	DFT	QPSK	Inner_Full	26.77	25.77
n78L	30	30	3534.99	DFT	QPSK	Edge_1RB_Left	23.38	22.38
n78L	30	30	3534.99	DFT	QPSK	Edge_1RB_Right	23.41	22.41
n78L	30	30	3534.99	DFT	QPSK	Outer_Full	25.83	24.83
n78L	30	30	3534.99	DFT	16QAM	Inner_Full	25.58	24.58
n78L	30	30	3534.99	DFT	16QAM	Edge_1RB_Left	23.39	22.39
n78L	30	30	3534.99	DFT	16QAM	Edge_1RB_Right	23.39	22.39
n78L	30	30	3534.99	DFT	16QAM	Outer_Full	24.62	23.62
n78L	30	30	3534.99	DFT	64QAM	Inner_Full	23.94	22.94
n78L	30	30	3534.99	DFT	64QAM	Edge_1RB_Left	23.03	22.03
n78L	30	30	3534.99	DFT	64QAM	Edge_1RB_Right	23.04	22.04
n78L	30	30	3534.99	DFT	64QAM	Outer_Full	23.90	22.90
n78L	30	30	3534.99	DFT	256QAM	Inner_Full	22.23	21.23
n78L	30	30	3534.99	DFT	256QAM	Edge_1RB_Left	22.29	21.29
n78L	30	30	3534.99	DFT	256QAM	Edge_1RB_Right	22.36	21.36
n78L	30	30	3534.99	DFT	256QAM	Outer_Full	22.40	21.40

n78L	30	30	3534.99	CP	QPSK	Inner_Full	25.27	24.27
n78L	30	30	3534.99	CP	QPSK	Edge_1RB_Left	23.38	22.38
n78L	30	30	3534.99	CP	QPSK	Edge_1RB_Right	23.23	22.23
n78L	30	30	3534.99	CP	QPSK	Outer_Full	23.67	22.67
n78L	30	30	3534.99	CP	16QAM	Inner_Full	24.78	23.78
n78L	30	30	3534.99	CP	16QAM	Edge_1RB_Left	23.31	22.31
n78L	30	30	3534.99	CP	16QAM	Edge_1RB_Right	23.34	22.34
n78L	30	30	3534.99	CP	16QAM	Outer_Full	23.83	22.83
n78L	30	30	3534.99	CP	64QAM	Inner_Full	23.18	22.18
n78L	30	30	3534.99	CP	64QAM	Edge_1RB_Left	22.81	21.81
n78L	30	30	3534.99	CP	64QAM	Edge_1RB_Right	22.75	21.75
n78L	30	30	3534.99	CP	64QAM	Outer_Full	23.33	22.33
n78L	30	30	3534.99	CP	256QAM	Inner_Full	20.06	19.06
n78L	30	30	3534.99	CP	256QAM	Edge_1RB_Left	20.32	19.32
n78L	30	30	3534.99	CP	256QAM	Edge_1RB_Right	20.30	19.30
n78L	30	30	3534.99	CP	256QAM	Outer_Full	20.17	19.17
n78L	40	30	3470.01	DFT	$\pi/2$ BPSK	Inner_Full	26.27	25.27
n78L	40	30	3470.01	DFT	$\pi/2$ BPSK	Edge_1RB_Left	23.08	22.08
n78L	40	30	3470.01	DFT	$\pi/2$ BPSK	Edge_1RB_Right	23.40	22.40
n78L	40	30	3470.01	DFT	$\pi/2$ BPSK	Outer_Full	25.91	24.91
n78L	40	30	3470.01	DFT	QPSK	Inner_Full	26.47	25.47
n78L	40	30	3470.01	DFT	QPSK	Edge_1RB_Left	22.89	21.89
n78L	40	30	3470.01	DFT	QPSK	Edge_1RB_Right	23.19	22.19
n78L	40	30	3470.01	DFT	QPSK	Outer_Full	25.54	24.54
n78L	40	30	3470.01	DFT	16QAM	Inner_Full	25.50	24.50
n78L	40	30	3470.01	DFT	16QAM	Edge_1RB_Left	23.21	22.21
n78L	40	30	3470.01	DFT	16QAM	Edge_1RB_Right	23.31	22.31
n78L	40	30	3470.01	DFT	16QAM	Outer_Full	24.25	23.25
n78L	40	30	3470.01	DFT	64QAM	Inner_Full	24.29	23.29
n78L	40	30	3470.01	DFT	64QAM	Edge_1RB_Left	22.40	21.40
n78L	40	30	3470.01	DFT	64QAM	Edge_1RB_Right	22.80	21.80
n78L	40	30	3470.01	DFT	64QAM	Outer_Full	24.32	23.32
n78L	40	30	3470.01	DFT	256QAM	Inner_Full	21.77	20.77
n78L	40	30	3470.01	DFT	256QAM	Edge_1RB_Left	21.94	20.94
n78L	40	30	3470.01	DFT	256QAM	Edge_1RB_Right	21.67	20.67
n78L	40	30	3470.01	DFT	256QAM	Outer_Full	21.82	20.82
n78L	40	30	3470.01	CP	QPSK	Inner_Full	24.85	23.85
n78L	40	30	3470.01	CP	QPSK	Edge_1RB_Left	22.85	21.85
n78L	40	30	3470.01	CP	QPSK	Edge_1RB_Right	23.18	22.18
n78L	40	30	3470.01	CP	QPSK	Outer_Full	23.58	22.58
n78L	40	30	3470.01	CP	16QAM	Inner_Full	24.41	23.41

n78L	40	30	3470.01	CP	16QAM	Edge_1RB_Left	23.29	22.29
n78L	40	30	3470.01	CP	16QAM	Edge_1RB_Right	23.54	22.54
n78L	40	30	3470.01	CP	16QAM	Outer_Full	23.45	22.45
n78L	40	30	3470.01	CP	64QAM	Inner_Full	22.74	21.74
n78L	40	30	3470.01	CP	64QAM	Edge_1RB_Left	22.60	21.60
n78L	40	30	3470.01	CP	64QAM	Edge_1RB_Right	22.66	21.66
n78L	40	30	3470.01	CP	64QAM	Outer_Full	23.11	22.11
n78L	40	30	3470.01	CP	256QAM	Inner_Full	19.77	18.77
n78L	40	30	3470.01	CP	256QAM	Edge_1RB_Left	19.86	18.86
n78L	40	30	3470.01	CP	256QAM	Edge_1RB_Right	20.11	19.11
n78L	40	30	3470.01	CP	256QAM	Outer_Full	20.12	19.12
n78L	40	30	3500.01	DFT	pi/2 BPSK	Inner_Full	26.94	25.94
n78L	40	30	3500.01	DFT	pi/2 BPSK	Edge_1RB_Left	22.93	21.93
n78L	40	30	3500.01	DFT	pi/2 BPSK	Edge_1RB_Right	23.47	22.47
n78L	40	30	3500.01	DFT	pi/2 BPSK	Outer_Full	26.43	25.43
n78L	40	30	3500.01	DFT	QPSK	Inner_Full	26.78	25.78
n78L	40	30	3500.01	DFT	QPSK	Edge_1RB_Left	23.20	22.20
n78L	40	30	3500.01	DFT	QPSK	Edge_1RB_Right	23.47	22.47
n78L	40	30	3500.01	DFT	QPSK	Outer_Full	25.86	24.86
n78L	40	30	3500.01	DFT	16QAM	Inner_Full	25.81	24.81
n78L	40	30	3500.01	DFT	16QAM	Edge_1RB_Left	23.07	22.07
n78L	40	30	3500.01	DFT	16QAM	Edge_1RB_Right	23.48	22.48
n78L	40	30	3500.01	DFT	16QAM	Outer_Full	24.89	23.89
n78L	40	30	3500.01	DFT	64QAM	Inner_Full	24.50	23.50
n78L	40	30	3500.01	DFT	64QAM	Edge_1RB_Left	22.41	21.41
n78L	40	30	3500.01	DFT	64QAM	Edge_1RB_Right	22.95	21.95
n78L	40	30	3500.01	DFT	64QAM	Outer_Full	24.44	23.44
n78L	40	30	3500.01	DFT	256QAM	Inner_Full	22.23	21.23
n78L	40	30	3500.01	DFT	256QAM	Edge_1RB_Left	21.41	20.41
n78L	40	30	3500.01	DFT	256QAM	Edge_1RB_Right	22.15	21.15
n78L	40	30	3500.01	DFT	256QAM	Outer_Full	21.83	20.83
n78L	40	30	3500.01	CP	QPSK	Inner_Full	25.27	24.27
n78L	40	30	3500.01	CP	QPSK	Edge_1RB_Left	22.80	21.80
n78L	40	30	3500.01	CP	QPSK	Edge_1RB_Right	23.44	22.44
n78L	40	30	3500.01	CP	QPSK	Outer_Full	23.74	22.74
n78L	40	30	3500.01	CP	16QAM	Inner_Full	24.96	23.96
n78L	40	30	3500.01	CP	16QAM	Edge_1RB_Left	23.34	22.34
n78L	40	30	3500.01	CP	16QAM	Edge_1RB_Right	23.69	22.69
n78L	40	30	3500.01	CP	16QAM	Outer_Full	23.94	22.94
n78L	40	30	3500.01	CP	64QAM	Inner_Full	23.52	22.52
n78L	40	30	3500.01	CP	64QAM	Edge_1RB_Left	22.56	21.56

n78L	40	30	3500.01	CP	64QAM	Edge_1RB_Right	22.84	21.84
n78L	40	30	3500.01	CP	64QAM	Outer_Full	23.22	22.22
n78L	40	30	3500.01	CP	256QAM	Inner_Full	20.48	19.48
n78L	40	30	3500.01	CP	256QAM	Edge_1RB_Left	19.97	18.97
n78L	40	30	3500.01	CP	256QAM	Edge_1RB_Right	20.13	19.13
n78L	40	30	3500.01	CP	256QAM	Outer_Full	20.22	19.22
n78L	40	30	3529.98	DFT	pi/2 BPSK	Inner_Full	26.63	25.63
n78L	40	30	3529.98	DFT	pi/2 BPSK	Edge_1RB_Left	23.47	22.47
n78L	40	30	3529.98	DFT	pi/2 BPSK	Edge_1RB_Right	23.26	22.26
n78L	40	30	3529.98	DFT	pi/2 BPSK	Outer_Full	26.26	25.26
n78L	40	30	3529.98	DFT	QPSK	Inner_Full	26.48	25.48
n78L	40	30	3529.98	DFT	QPSK	Edge_1RB_Left	23.59	22.59
n78L	40	30	3529.98	DFT	QPSK	Edge_1RB_Right	23.22	22.22
n78L	40	30	3529.98	DFT	QPSK	Outer_Full	25.59	24.59
n78L	40	30	3529.98	DFT	16QAM	Inner_Full	25.45	24.45
n78L	40	30	3529.98	DFT	16QAM	Edge_1RB_Left	23.60	22.60
n78L	40	30	3529.98	DFT	16QAM	Edge_1RB_Right	23.31	22.31
n78L	40	30	3529.98	DFT	16QAM	Outer_Full	24.80	23.80
n78L	40	30	3529.98	DFT	64QAM	Inner_Full	23.99	22.99
n78L	40	30	3529.98	DFT	64QAM	Edge_1RB_Left	23.25	22.25
n78L	40	30	3529.98	DFT	64QAM	Edge_1RB_Right	23.03	22.03
n78L	40	30	3529.98	DFT	64QAM	Outer_Full	24.07	23.07
n78L	40	30	3529.98	DFT	256QAM	Inner_Full	22.65	21.65
n78L	40	30	3529.98	DFT	256QAM	Edge_1RB_Left	21.90	20.90
n78L	40	30	3529.98	DFT	256QAM	Edge_1RB_Right	22.36	21.36
n78L	40	30	3529.98	DFT	256QAM	Outer_Full	22.08	21.08
n78L	40	30	3529.98	CP	QPSK	Inner_Full	25.05	24.05
n78L	40	30	3529.98	CP	QPSK	Edge_1RB_Left	23.60	22.60
n78L	40	30	3529.98	CP	QPSK	Edge_1RB_Right	23.24	22.24
n78L	40	30	3529.98	CP	QPSK	Outer_Full	23.54	22.54
n78L	40	30	3529.98	CP	16QAM	Inner_Full	24.51	23.51
n78L	40	30	3529.98	CP	16QAM	Edge_1RB_Left	23.47	22.47
n78L	40	30	3529.98	CP	16QAM	Edge_1RB_Right	23.38	22.38
n78L	40	30	3529.98	CP	16QAM	Outer_Full	23.65	22.65
n78L	40	30	3529.98	CP	64QAM	Inner_Full	23.20	22.20
n78L	40	30	3529.98	CP	64QAM	Edge_1RB_Left	22.85	21.85
n78L	40	30	3529.98	CP	64QAM	Edge_1RB_Right	22.78	21.78
n78L	40	30	3529.98	CP	64QAM	Outer_Full	23.10	22.10
n78L	40	30	3529.98	CP	256QAM	Inner_Full	19.99	18.99
n78L	40	30	3529.98	CP	256QAM	Edge_1RB_Left	20.12	19.12
n78L	40	30	3529.98	CP	256QAM	Edge_1RB_Right	20.36	19.36

n78L	40	30	3529.98	CP	256QAM	Outer_Full	20.04	19.04
n78L	50	30	3475.02	DFT	pi/2 BPSK	Inner_Full	26.17	25.17
n78L	50	30	3475.02	DFT	pi/2 BPSK	Edge_1RB_Left	22.66	21.66
n78L	50	30	3475.02	DFT	pi/2 BPSK	Edge_1RB_Right	23.19	22.19
n78L	50	30	3475.02	DFT	pi/2 BPSK	Outer_Full	25.86	24.86
n78L	50	30	3475.02	DFT	QPSK	Inner_Full	26.19	25.19
n78L	50	30	3475.02	DFT	QPSK	Edge_1RB_Left	22.62	21.62
n78L	50	30	3475.02	DFT	QPSK	Edge_1RB_Right	23.08	22.08
n78L	50	30	3475.02	DFT	QPSK	Outer_Full	25.19	24.19
n78L	50	30	3475.02	DFT	16QAM	Inner_Full	24.87	23.87
n78L	50	30	3475.02	DFT	16QAM	Edge_1RB_Left	22.78	21.78
n78L	50	30	3475.02	DFT	16QAM	Edge_1RB_Right	23.05	22.05
n78L	50	30	3475.02	DFT	16QAM	Outer_Full	24.38	23.38
n78L	50	30	3475.02	DFT	64QAM	Inner_Full	23.34	22.34
n78L	50	30	3475.02	DFT	64QAM	Edge_1RB_Left	22.13	21.13
n78L	50	30	3475.02	DFT	64QAM	Edge_1RB_Right	22.81	21.81
n78L	50	30	3475.02	DFT	64QAM	Outer_Full	23.65	22.65
n78L	50	30	3475.02	DFT	256QAM	Inner_Full	21.59	20.59
n78L	50	30	3475.02	DFT	256QAM	Edge_1RB_Left	21.58	20.58
n78L	50	30	3475.02	DFT	256QAM	Edge_1RB_Right	21.90	20.90
n78L	50	30	3475.02	DFT	256QAM	Outer_Full	21.84	20.84
n78L	50	30	3475.02	CP	QPSK	Inner_Full	24.60	23.60
n78L	50	30	3475.02	CP	QPSK	Edge_1RB_Left	22.89	21.89
n78L	50	30	3475.02	CP	QPSK	Edge_1RB_Right	22.96	21.96
n78L	50	30	3475.02	CP	QPSK	Outer_Full	23.26	22.26
n78L	50	30	3475.02	CP	16QAM	Inner_Full	24.08	23.08
n78L	50	30	3475.02	CP	16QAM	Edge_1RB_Left	23.17	22.17
n78L	50	30	3475.02	CP	16QAM	Edge_1RB_Right	23.11	22.11
n78L	50	30	3475.02	CP	16QAM	Outer_Full	23.23	22.23
n78L	50	30	3475.02	CP	64QAM	Inner_Full	22.83	21.83
n78L	50	30	3475.02	CP	64QAM	Edge_1RB_Left	22.29	21.29
n78L	50	30	3475.02	CP	64QAM	Edge_1RB_Right	22.72	21.72
n78L	50	30	3475.02	CP	64QAM	Outer_Full	22.82	21.82
n78L	50	30	3475.02	CP	256QAM	Inner_Full	19.75	18.75
n78L	50	30	3475.02	CP	256QAM	Edge_1RB_Left	19.86	18.86
n78L	50	30	3475.02	CP	256QAM	Edge_1RB_Right	19.52	18.52
n78L	50	30	3475.02	CP	256QAM	Outer_Full	19.63	18.63
n78L	50	30	3500.01	DFT	pi/2 BPSK	Inner_Full	26.68	25.68
n78L	50	30	3500.01	DFT	pi/2 BPSK	Edge_1RB_Left	22.59	21.59
n78L	50	30	3500.01	DFT	pi/2 BPSK	Edge_1RB_Right	22.81	21.81
n78L	50	30	3500.01	DFT	pi/2 BPSK	Outer_Full	25.87	24.87

n78L	50	30	3500.01	DFT	QPSK	Inner_Full	26.62	25.62
n78L	50	30	3500.01	DFT	QPSK	Edge_1RB_Left	22.51	21.51
n78L	50	30	3500.01	DFT	QPSK	Edge_1RB_Right	22.73	21.73
n78L	50	30	3500.01	DFT	QPSK	Outer_Full	25.50	24.50
n78L	50	30	3500.01	DFT	16QAM	Inner_Full	25.83	24.83
n78L	50	30	3500.01	DFT	16QAM	Edge_1RB_Left	22.69	21.69
n78L	50	30	3500.01	DFT	16QAM	Edge_1RB_Right	22.64	21.64
n78L	50	30	3500.01	DFT	16QAM	Outer_Full	24.72	23.72
n78L	50	30	3500.01	DFT	64QAM	Inner_Full	24.30	23.30
n78L	50	30	3500.01	DFT	64QAM	Edge_1RB_Left	22.15	21.15
n78L	50	30	3500.01	DFT	64QAM	Edge_1RB_Right	22.67	21.67
n78L	50	30	3500.01	DFT	64QAM	Outer_Full	23.77	22.77
n78L	50	30	3500.01	DFT	256QAM	Inner_Full	22.03	21.03
n78L	50	30	3500.01	DFT	256QAM	Edge_1RB_Left	21.96	20.96
n78L	50	30	3500.01	DFT	256QAM	Edge_1RB_Right	21.62	20.62
n78L	50	30	3500.01	DFT	256QAM	Outer_Full	22.07	21.07
n78L	50	30	3500.01	CP	QPSK	Inner_Full	25.03	24.03
n78L	50	30	3500.01	CP	QPSK	Edge_1RB_Left	22.84	21.84
n78L	50	30	3500.01	CP	QPSK	Edge_1RB_Right	22.92	21.92
n78L	50	30	3500.01	CP	QPSK	Outer_Full	23.53	22.53
n78L	50	30	3500.01	CP	16QAM	Inner_Full	24.50	23.50
n78L	50	30	3500.01	CP	16QAM	Edge_1RB_Left	22.80	21.80
n78L	50	30	3500.01	CP	16QAM	Edge_1RB_Right	23.34	22.34
n78L	50	30	3500.01	CP	16QAM	Outer_Full	23.40	22.40
n78L	50	30	3500.01	CP	64QAM	Inner_Full	23.15	22.15
n78L	50	30	3500.01	CP	64QAM	Edge_1RB_Left	22.39	21.39
n78L	50	30	3500.01	CP	64QAM	Edge_1RB_Right	22.50	21.50
n78L	50	30	3500.01	CP	64QAM	Outer_Full	22.90	21.90
n78L	50	30	3500.01	CP	256QAM	Inner_Full	20.19	19.19
n78L	50	30	3500.01	CP	256QAM	Edge_1RB_Left	19.48	18.48
n78L	50	30	3500.01	CP	256QAM	Edge_1RB_Right	19.34	18.34
n78L	50	30	3500.01	CP	256QAM	Outer_Full	20.02	19.02
n78L	50	30	3525	DFT	$\pi/2$ BPSK	Inner_Full	26.27	25.27
n78L	50	30	3525	DFT	$\pi/2$ BPSK	Edge_1RB_Left	23.08	22.08
n78L	50	30	3525	DFT	$\pi/2$ BPSK	Edge_1RB_Right	23.05	22.05
n78L	50	30	3525	DFT	$\pi/2$ BPSK	Outer_Full	25.91	24.91
n78L	50	30	3525	DFT	QPSK	Inner_Full	26.28	25.28
n78L	50	30	3525	DFT	QPSK	Edge_1RB_Left	23.15	22.15
n78L	50	30	3525	DFT	QPSK	Edge_1RB_Right	22.72	21.72
n78L	50	30	3525	DFT	QPSK	Outer_Full	25.24	24.24
n78L	50	30	3525	DFT	16QAM	Inner_Full	25.20	24.20

n78L	50	30	3525	DFT	16QAM	Edge_1RB_Left	23.16	22.16
n78L	50	30	3525	DFT	16QAM	Edge_1RB_Right	23.20	22.20
n78L	50	30	3525	DFT	16QAM	Outer_Full	24.64	23.64
n78L	50	30	3525	DFT	64QAM	Inner_Full	24.11	23.11
n78L	50	30	3525	DFT	64QAM	Edge_1RB_Left	22.73	21.73
n78L	50	30	3525	DFT	64QAM	Edge_1RB_Right	22.41	21.41
n78L	50	30	3525	DFT	64QAM	Outer_Full	23.80	22.80
n78L	50	30	3525	DFT	256QAM	Inner_Full	21.56	20.56
n78L	50	30	3525	DFT	256QAM	Edge_1RB_Left	21.80	20.80
n78L	50	30	3525	DFT	256QAM	Edge_1RB_Right	21.78	20.78
n78L	50	30	3525	DFT	256QAM	Outer_Full	21.85	20.85
n78L	50	30	3525	CP	QPSK	Inner_Full	24.82	23.82
n78L	50	30	3525	CP	QPSK	Edge_1RB_Left	22.98	21.98
n78L	50	30	3525	CP	QPSK	Edge_1RB_Right	23.12	22.12
n78L	50	30	3525	CP	QPSK	Outer_Full	23.32	22.32
n78L	50	30	3525	CP	16QAM	Inner_Full	24.45	23.45
n78L	50	30	3525	CP	16QAM	Edge_1RB_Left	23.43	22.43
n78L	50	30	3525	CP	16QAM	Edge_1RB_Right	23.20	22.20
n78L	50	30	3525	CP	16QAM	Outer_Full	23.36	22.36
n78L	50	30	3525	CP	64QAM	Inner_Full	22.87	21.87
n78L	50	30	3525	CP	64QAM	Edge_1RB_Left	22.62	21.62
n78L	50	30	3525	CP	64QAM	Edge_1RB_Right	22.43	21.43
n78L	50	30	3525	CP	64QAM	Outer_Full	22.96	21.96
n78L	50	30	3525	CP	256QAM	Inner_Full	19.93	18.93
n78L	50	30	3525	CP	256QAM	Edge_1RB_Left	19.86	18.86
n78L	50	30	3525	CP	256QAM	Edge_1RB_Right	19.49	18.49
n78L	50	30	3525	CP	256QAM	Outer_Full	20.12	19.12
n78L	60	30	3480	DFT	pi/2 BPSK	Inner_Full	26.29	25.29
n78L	60	30	3480	DFT	pi/2 BPSK	Edge_1RB_Left	22.75	21.75
n78L	60	30	3480	DFT	pi/2 BPSK	Edge_1RB_Right	23.17	22.17
n78L	60	30	3480	DFT	pi/2 BPSK	Outer_Full	25.98	24.98
n78L	60	30	3480	DFT	QPSK	Inner_Full	26.36	25.36
n78L	60	30	3480	DFT	QPSK	Edge_1RB_Left	22.65	21.65
n78L	60	30	3480	DFT	QPSK	Edge_1RB_Right	23.10	22.10
n78L	60	30	3480	DFT	QPSK	Outer_Full	25.32	24.32
n78L	60	30	3480	DFT	16QAM	Inner_Full	25.33	24.33
n78L	60	30	3480	DFT	16QAM	Edge_1RB_Left	22.88	21.88
n78L	60	30	3480	DFT	16QAM	Edge_1RB_Right	23.03	22.03
n78L	60	30	3480	DFT	16QAM	Outer_Full	24.30	23.30
n78L	60	30	3480	DFT	64QAM	Inner_Full	23.81	22.81
n78L	60	30	3480	DFT	64QAM	Edge_1RB_Left	22.23	21.23

n78L	60	30	3480	DFT	64QAM	Edge_1RB_Right	22.47	21.47
n78L	60	30	3480	DFT	64QAM	Outer_Full	23.85	22.85
n78L	60	30	3480	DFT	256QAM	Inner_Full	21.68	20.68
n78L	60	30	3480	DFT	256QAM	Edge_1RB_Left	21.53	20.53
n78L	60	30	3480	DFT	256QAM	Edge_1RB_Right	21.94	20.94
n78L	60	30	3480	DFT	256QAM	Outer_Full	22.36	21.36
n78L	60	30	3480	CP	QPSK	Inner_Full	24.71	23.71
n78L	60	30	3480	CP	QPSK	Edge_1RB_Left	22.76	21.76
n78L	60	30	3480	CP	QPSK	Edge_1RB_Right	23.20	22.20
n78L	60	30	3480	CP	QPSK	Outer_Full	23.43	22.43
n78L	60	30	3480	CP	16QAM	Inner_Full	24.25	23.25
n78L	60	30	3480	CP	16QAM	Edge_1RB_Left	23.11	22.11
n78L	60	30	3480	CP	16QAM	Edge_1RB_Right	23.08	22.08
n78L	60	30	3480	CP	16QAM	Outer_Full	23.38	22.38
n78L	60	30	3480	CP	64QAM	Inner_Full	22.99	21.99
n78L	60	30	3480	CP	64QAM	Edge_1RB_Left	22.23	21.23
n78L	60	30	3480	CP	64QAM	Edge_1RB_Right	22.65	21.65
n78L	60	30	3480	CP	64QAM	Outer_Full	22.79	21.79
n78L	60	30	3480	CP	256QAM	Inner_Full	19.73	18.73
n78L	60	30	3480	CP	256QAM	Edge_1RB_Left	19.76	18.76
n78L	60	30	3480	CP	256QAM	Edge_1RB_Right	19.98	18.98
n78L	60	30	3480	CP	256QAM	Outer_Full	20.00	19.00
n78L	60	30	3500.01	DFT	pi/2 BPSK	Inner_Full	26.47	25.47
n78L	60	30	3500.01	DFT	pi/2 BPSK	Edge_1RB_Left	22.81	21.81
n78L	60	30	3500.01	DFT	pi/2 BPSK	Edge_1RB_Right	22.92	21.92
n78L	60	30	3500.01	DFT	pi/2 BPSK	Outer_Full	25.87	24.87
n78L	60	30	3500.01	DFT	QPSK	Inner_Full	26.60	25.60
n78L	60	30	3500.01	DFT	QPSK	Edge_1RB_Left	22.90	21.90
n78L	60	30	3500.01	DFT	QPSK	Edge_1RB_Right	22.78	21.78
n78L	60	30	3500.01	DFT	QPSK	Outer_Full	25.30	24.30
n78L	60	30	3500.01	DFT	16QAM	Inner_Full	25.40	24.40
n78L	60	30	3500.01	DFT	16QAM	Edge_1RB_Left	22.87	21.87
n78L	60	30	3500.01	DFT	16QAM	Edge_1RB_Right	22.98	21.98
n78L	60	30	3500.01	DFT	16QAM	Outer_Full	24.37	23.37
n78L	60	30	3500.01	DFT	64QAM	Inner_Full	23.77	22.77
n78L	60	30	3500.01	DFT	64QAM	Edge_1RB_Left	22.10	21.10
n78L	60	30	3500.01	DFT	64QAM	Edge_1RB_Right	22.57	21.57
n78L	60	30	3500.01	DFT	64QAM	Outer_Full	23.66	22.66
n78L	60	30	3500.01	DFT	256QAM	Inner_Full	22.05	21.05
n78L	60	30	3500.01	DFT	256QAM	Edge_1RB_Left	21.11	20.11
n78L	60	30	3500.01	DFT	256QAM	Edge_1RB_Right	21.65	20.65

n78L	60	30	3500.01	DFT	256QAM	Outer_Full	21.74	20.74
n78L	60	30	3500.01	CP	QPSK	Inner_Full	25.06	24.06
n78L	60	30	3500.01	CP	QPSK	Edge_1RB_Left	22.58	21.58
n78L	60	30	3500.01	CP	QPSK	Edge_1RB_Right	22.54	21.54
n78L	60	30	3500.01	CP	QPSK	Outer_Full	23.33	22.33
n78L	60	30	3500.01	CP	16QAM	Inner_Full	24.61	23.61
n78L	60	30	3500.01	CP	16QAM	Edge_1RB_Left	23.04	22.04
n78L	60	30	3500.01	CP	16QAM	Edge_1RB_Right	23.33	22.33
n78L	60	30	3500.01	CP	16QAM	Outer_Full	23.47	22.47
n78L	60	30	3500.01	CP	64QAM	Inner_Full	23.03	22.03
n78L	60	30	3500.01	CP	64QAM	Edge_1RB_Left	22.16	21.16
n78L	60	30	3500.01	CP	64QAM	Edge_1RB_Right	22.43	21.43
n78L	60	30	3500.01	CP	64QAM	Outer_Full	23.04	22.04
n78L	60	30	3500.01	CP	256QAM	Inner_Full	19.99	18.99
n78L	60	30	3500.01	CP	256QAM	Edge_1RB_Left	19.44	18.44
n78L	60	30	3500.01	CP	256QAM	Edge_1RB_Right	19.42	18.42
n78L	60	30	3500.01	CP	256QAM	Outer_Full	20.10	19.10
n78L	60	30	3519.99	DFT	$\pi/2$ BPSK	Inner_Full	26.62	25.62
n78L	60	30	3519.99	DFT	$\pi/2$ BPSK	Edge_1RB_Left	22.83	21.83
n78L	60	30	3519.99	DFT	$\pi/2$ BPSK	Edge_1RB_Right	22.99	21.99
n78L	60	30	3519.99	DFT	$\pi/2$ BPSK	Outer_Full	25.91	24.91
n78L	60	30	3519.99	DFT	QPSK	Inner_Full	26.40	25.40
n78L	60	30	3519.99	DFT	QPSK	Edge_1RB_Left	22.74	21.74
n78L	60	30	3519.99	DFT	QPSK	Edge_1RB_Right	22.86	21.86
n78L	60	30	3519.99	DFT	QPSK	Outer_Full	25.43	24.43
n78L	60	30	3519.99	DFT	16QAM	Inner_Full	25.39	24.39
n78L	60	30	3519.99	DFT	16QAM	Edge_1RB_Left	22.93	21.93
n78L	60	30	3519.99	DFT	16QAM	Edge_1RB_Right	22.89	21.89
n78L	60	30	3519.99	DFT	16QAM	Outer_Full	24.41	23.41
n78L	60	30	3519.99	DFT	64QAM	Inner_Full	24.27	23.27
n78L	60	30	3519.99	DFT	64QAM	Edge_1RB_Left	22.69	21.69
n78L	60	30	3519.99	DFT	64QAM	Edge_1RB_Right	22.37	21.37
n78L	60	30	3519.99	DFT	64QAM	Outer_Full	23.71	22.71
n78L	60	30	3519.99	DFT	256QAM	Inner_Full	22.16	21.16
n78L	60	30	3519.99	DFT	256QAM	Edge_1RB_Left	22.02	21.02
n78L	60	30	3519.99	DFT	256QAM	Edge_1RB_Right	21.91	20.91
n78L	60	30	3519.99	DFT	256QAM	Outer_Full	21.86	20.86
n78L	60	30	3519.99	CP	QPSK	Inner_Full	25.01	24.01
n78L	60	30	3519.99	CP	QPSK	Edge_1RB_Left	22.98	21.98
n78L	60	30	3519.99	CP	QPSK	Edge_1RB_Right	22.90	21.90
n78L	60	30	3519.99	CP	QPSK	Outer_Full	23.55	22.55

n78L	60	30	3519.99	CP	16QAM	Inner_Full	24.39	23.39
n78L	60	30	3519.99	CP	16QAM	Edge_1RB_Left	22.95	21.95
n78L	60	30	3519.99	CP	16QAM	Edge_1RB_Right	22.94	21.94
n78L	60	30	3519.99	CP	16QAM	Outer_Full	23.31	22.31
n78L	60	30	3519.99	CP	64QAM	Inner_Full	22.95	21.95
n78L	60	30	3519.99	CP	64QAM	Edge_1RB_Left	22.24	21.24
n78L	60	30	3519.99	CP	64QAM	Edge_1RB_Right	22.42	21.42
n78L	60	30	3519.99	CP	64QAM	Outer_Full	22.90	21.90
n78L	60	30	3519.99	CP	256QAM	Inner_Full	19.91	18.91
n78L	60	30	3519.99	CP	256QAM	Edge_1RB_Left	19.88	18.88
n78L	60	30	3519.99	CP	256QAM	Edge_1RB_Right	20.14	19.14
n78L	60	30	3519.99	CP	256QAM	Outer_Full	19.86	18.86
n78L	70	30	3485.01	DFT	pi/2 BPSK	Inner_Full	26.10	25.10
n78L	70	30	3485.01	DFT	pi/2 BPSK	Edge_1RB_Left	22.75	21.75
n78L	70	30	3485.01	DFT	pi/2 BPSK	Edge_1RB_Right	22.89	21.89
n78L	70	30	3485.01	DFT	pi/2 BPSK	Outer_Full	25.78	24.78
n78L	70	30	3485.01	DFT	QPSK	Inner_Full	26.22	25.22
n78L	70	30	3485.01	DFT	QPSK	Edge_1RB_Left	22.51	21.51
n78L	70	30	3485.01	DFT	QPSK	Edge_1RB_Right	22.66	21.66
n78L	70	30	3485.01	DFT	QPSK	Outer_Full	25.28	24.28
n78L	70	30	3485.01	DFT	16QAM	Inner_Full	24.94	23.94
n78L	70	30	3485.01	DFT	16QAM	Edge_1RB_Left	22.67	21.67
n78L	70	30	3485.01	DFT	16QAM	Edge_1RB_Right	22.58	21.58
n78L	70	30	3485.01	DFT	16QAM	Outer_Full	24.07	23.07
n78L	70	30	3485.01	DFT	64QAM	Inner_Full	24.01	23.01
n78L	70	30	3485.01	DFT	64QAM	Edge_1RB_Left	22.38	21.38
n78L	70	30	3485.01	DFT	64QAM	Edge_1RB_Right	22.30	21.30
n78L	70	30	3485.01	DFT	64QAM	Outer_Full	24.03	23.03
n78L	70	30	3485.01	DFT	256QAM	Inner_Full	21.65	20.65
n78L	70	30	3485.01	DFT	256QAM	Edge_1RB_Left	21.51	20.51
n78L	70	30	3485.01	DFT	256QAM	Edge_1RB_Right	21.78	20.78
n78L	70	30	3485.01	DFT	256QAM	Outer_Full	21.88	20.88
n78L	70	30	3485.01	CP	QPSK	Inner_Full	24.68	23.68
n78L	70	30	3485.01	CP	QPSK	Edge_1RB_Left	22.25	21.25
n78L	70	30	3485.01	CP	QPSK	Edge_1RB_Right	22.49	21.49
n78L	70	30	3485.01	CP	QPSK	Outer_Full	23.16	22.16
n78L	70	30	3485.01	CP	16QAM	Inner_Full	24.09	23.09
n78L	70	30	3485.01	CP	16QAM	Edge_1RB_Left	23.02	22.02
n78L	70	30	3485.01	CP	16QAM	Edge_1RB_Right	22.57	21.57
n78L	70	30	3485.01	CP	16QAM	Outer_Full	23.33	22.33
n78L	70	30	3485.01	CP	64QAM	Inner_Full	22.61	21.61

n78L	70	30	3485.01	CP	64QAM	Edge_1RB_Left	22.07	21.07
n78L	70	30	3485.01	CP	64QAM	Edge_1RB_Right	22.50	21.50
n78L	70	30	3485.01	CP	64QAM	Outer_Full	23.01	22.01
n78L	70	30	3485.01	CP	256QAM	Inner_Full	19.79	18.79
n78L	70	30	3485.01	CP	256QAM	Edge_1RB_Left	19.44	18.44
n78L	70	30	3485.01	CP	256QAM	Edge_1RB_Right	19.57	18.57
n78L	70	30	3485.01	CP	256QAM	Outer_Full	19.99	18.99
n78L	70	30	3500.01	DFT	pi/2 BPSK	Inner_Full	26.66	25.66
n78L	70	30	3500.01	DFT	pi/2 BPSK	Edge_1RB_Left	22.56	21.56
n78L	70	30	3500.01	DFT	pi/2 BPSK	Edge_1RB_Right	22.66	21.66
n78L	70	30	3500.01	DFT	pi/2 BPSK	Outer_Full	25.82	24.82
n78L	70	30	3500.01	DFT	QPSK	Inner_Full	26.42	25.42
n78L	70	30	3500.01	DFT	QPSK	Edge_1RB_Left	22.68	21.68
n78L	70	30	3500.01	DFT	QPSK	Edge_1RB_Right	22.75	21.75
n78L	70	30	3500.01	DFT	QPSK	Outer_Full	25.45	24.45
n78L	70	30	3500.01	DFT	16QAM	Inner_Full	25.43	24.43
n78L	70	30	3500.01	DFT	16QAM	Edge_1RB_Left	22.83	21.83
n78L	70	30	3500.01	DFT	16QAM	Edge_1RB_Right	22.82	21.82
n78L	70	30	3500.01	DFT	16QAM	Outer_Full	24.63	23.63
n78L	70	30	3500.01	DFT	64QAM	Inner_Full	23.72	22.72
n78L	70	30	3500.01	DFT	64QAM	Edge_1RB_Left	22.27	21.27
n78L	70	30	3500.01	DFT	64QAM	Edge_1RB_Right	22.13	21.13
n78L	70	30	3500.01	DFT	64QAM	Outer_Full	23.61	22.61
n78L	70	30	3500.01	DFT	256QAM	Inner_Full	21.95	20.95
n78L	70	30	3500.01	DFT	256QAM	Edge_1RB_Left	21.38	20.38
n78L	70	30	3500.01	DFT	256QAM	Edge_1RB_Right	21.36	20.36
n78L	70	30	3500.01	DFT	256QAM	Outer_Full	21.82	20.82
n78L	70	30	3500.01	CP	QPSK	Inner_Full	25.13	24.13
n78L	70	30	3500.01	CP	QPSK	Edge_1RB_Left	22.63	21.63
n78L	70	30	3500.01	CP	QPSK	Edge_1RB_Right	23.02	22.02
n78L	70	30	3500.01	CP	QPSK	Outer_Full	23.43	22.43
n78L	70	30	3500.01	CP	16QAM	Inner_Full	24.57	23.57
n78L	70	30	3500.01	CP	16QAM	Edge_1RB_Left	22.57	21.57
n78L	70	30	3500.01	CP	16QAM	Edge_1RB_Right	23.08	22.08
n78L	70	30	3500.01	CP	16QAM	Outer_Full	23.39	22.39
n78L	70	30	3500.01	CP	64QAM	Inner_Full	22.93	21.93
n78L	70	30	3500.01	CP	64QAM	Edge_1RB_Left	22.21	21.21
n78L	70	30	3500.01	CP	64QAM	Edge_1RB_Right	22.17	21.17
n78L	70	30	3500.01	CP	64QAM	Outer_Full	23.01	22.01
n78L	70	30	3500.01	CP	256QAM	Inner_Full	20.10	19.10
n78L	70	30	3500.01	CP	256QAM	Edge_1RB_Left	19.35	18.35

n78L	70	30	3500.01	CP	256QAM	Edge_1RB_Right	19.49	18.49
n78L	70	30	3500.01	CP	256QAM	Outer_Full	19.78	18.78
n78L	70	30	3514.98	DFT	pi/2 BPSK	Inner_Full	26.67	25.67
n78L	70	30	3514.98	DFT	pi/2 BPSK	Edge_1RB_Left	22.87	21.87
n78L	70	30	3514.98	DFT	pi/2 BPSK	Edge_1RB_Right	23.06	22.06
n78L	70	30	3514.98	DFT	pi/2 BPSK	Outer_Full	26.05	25.05
n78L	70	30	3514.98	DFT	QPSK	Inner_Full	26.64	25.64
n78L	70	30	3514.98	DFT	QPSK	Edge_1RB_Left	22.89	21.89
n78L	70	30	3514.98	DFT	QPSK	Edge_1RB_Right	22.98	21.98
n78L	70	30	3514.98	DFT	QPSK	Outer_Full	25.60	24.60
n78L	70	30	3514.98	DFT	16QAM	Inner_Full	25.54	24.54
n78L	70	30	3514.98	DFT	16QAM	Edge_1RB_Left	22.70	21.70
n78L	70	30	3514.98	DFT	16QAM	Edge_1RB_Right	23.25	22.25
n78L	70	30	3514.98	DFT	16QAM	Outer_Full	24.47	23.47
n78L	70	30	3514.98	DFT	64QAM	Inner_Full	24.17	23.17
n78L	70	30	3514.98	DFT	64QAM	Edge_1RB_Left	22.36	21.36
n78L	70	30	3514.98	DFT	64QAM	Edge_1RB_Right	22.50	21.50
n78L	70	30	3514.98	DFT	64QAM	Outer_Full	24.15	23.15
n78L	70	30	3514.98	DFT	256QAM	Inner_Full	22.02	21.02
n78L	70	30	3514.98	DFT	256QAM	Edge_1RB_Left	21.17	20.17
n78L	70	30	3514.98	DFT	256QAM	Edge_1RB_Right	21.74	20.74
n78L	70	30	3514.98	DFT	256QAM	Outer_Full	21.98	20.98
n78L	70	30	3514.98	CP	QPSK	Inner_Full	24.99	23.99
n78L	70	30	3514.98	CP	QPSK	Edge_1RB_Left	22.70	21.70
n78L	70	30	3514.98	CP	QPSK	Edge_1RB_Right	23.22	22.22
n78L	70	30	3514.98	CP	QPSK	Outer_Full	23.58	22.58
n78L	70	30	3514.98	CP	16QAM	Inner_Full	24.53	23.53
n78L	70	30	3514.98	CP	16QAM	Edge_1RB_Left	23.03	22.03
n78L	70	30	3514.98	CP	16QAM	Edge_1RB_Right	22.79	21.79
n78L	70	30	3514.98	CP	16QAM	Outer_Full	23.57	22.57
n78L	70	30	3514.98	CP	64QAM	Inner_Full	22.98	21.98
n78L	70	30	3514.98	CP	64QAM	Edge_1RB_Left	22.21	21.21
n78L	70	30	3514.98	CP	64QAM	Edge_1RB_Right	22.38	21.38
n78L	70	30	3514.98	CP	64QAM	Outer_Full	23.15	22.15
n78L	70	30	3514.98	CP	256QAM	Inner_Full	20.19	19.19
n78L	70	30	3514.98	CP	256QAM	Edge_1RB_Left	19.70	18.70
n78L	70	30	3514.98	CP	256QAM	Edge_1RB_Right	20.20	19.20
n78L	70	30	3514.98	CP	256QAM	Outer_Full	20.05	19.05
n78L	80	30	3490.02	DFT	pi/2 BPSK	Inner_Full	26.38	25.38
n78L	80	30	3490.02	DFT	pi/2 BPSK	Edge_1RB_Left	22.59	21.59
n78L	80	30	3490.02	DFT	pi/2 BPSK	Edge_1RB_Right	22.85	21.85

n78L	80	30	3490.02	DFT	pi/2 BPSK	Outer_Full	25.96	24.96
n78L	80	30	3490.02	DFT	QPSK	Inner_Full	26.31	25.31
n78L	80	30	3490.02	DFT	QPSK	Edge_1RB_Left	22.65	21.65
n78L	80	30	3490.02	DFT	QPSK	Edge_1RB_Right	22.69	21.69
n78L	80	30	3490.02	DFT	QPSK	Outer_Full	25.29	24.29
n78L	80	30	3490.02	DFT	16QAM	Inner_Full	25.12	24.12
n78L	80	30	3490.02	DFT	16QAM	Edge_1RB_Left	22.58	21.58
n78L	80	30	3490.02	DFT	16QAM	Edge_1RB_Right	22.67	21.67
n78L	80	30	3490.02	DFT	16QAM	Outer_Full	24.09	23.09
n78L	80	30	3490.02	DFT	64QAM	Inner_Full	23.68	22.68
n78L	80	30	3490.02	DFT	64QAM	Edge_1RB_Left	21.71	20.71
n78L	80	30	3490.02	DFT	64QAM	Edge_1RB_Right	22.11	21.11
n78L	80	30	3490.02	DFT	64QAM	Outer_Full	24.10	23.10
n78L	80	30	3490.02	DFT	256QAM	Inner_Full	21.83	20.83
n78L	80	30	3490.02	DFT	256QAM	Edge_1RB_Left	21.33	20.33
n78L	80	30	3490.02	DFT	256QAM	Edge_1RB_Right	21.95	20.95
n78L	80	30	3490.02	DFT	256QAM	Outer_Full	21.74	20.74
n78L	80	30	3490.02	CP	QPSK	Inner_Full	24.78	23.78
n78L	80	30	3490.02	CP	QPSK	Edge_1RB_Left	22.46	21.46
n78L	80	30	3490.02	CP	QPSK	Edge_1RB_Right	22.72	21.72
n78L	80	30	3490.02	CP	QPSK	Outer_Full	23.22	22.22
n78L	80	30	3490.02	CP	16QAM	Inner_Full	24.35	23.35
n78L	80	30	3490.02	CP	16QAM	Edge_1RB_Left	22.71	21.71
n78L	80	30	3490.02	CP	16QAM	Edge_1RB_Right	23.42	22.42
n78L	80	30	3490.02	CP	16QAM	Outer_Full	23.38	22.38
n78L	80	30	3490.02	CP	64QAM	Inner_Full	22.90	21.90
n78L	80	30	3490.02	CP	64QAM	Edge_1RB_Left	22.10	21.10
n78L	80	30	3490.02	CP	64QAM	Edge_1RB_Right	22.23	21.23
n78L	80	30	3490.02	CP	64QAM	Outer_Full	22.78	21.78
n78L	80	30	3490.02	CP	256QAM	Inner_Full	19.84	18.84
n78L	80	30	3490.02	CP	256QAM	Edge_1RB_Left	19.52	18.52
n78L	80	30	3490.02	CP	256QAM	Edge_1RB_Right	20.05	19.05
n78L	80	30	3490.02	CP	256QAM	Outer_Full	19.78	18.78
n78L	80	30	3500.01	DFT	pi/2 BPSK	Inner_Full	26.58	25.58
n78L	80	30	3500.01	DFT	pi/2 BPSK	Edge_1RB_Left	22.52	21.52
n78L	80	30	3500.01	DFT	pi/2 BPSK	Edge_1RB_Right	22.77	21.77
n78L	80	30	3500.01	DFT	pi/2 BPSK	Outer_Full	25.92	24.92
n78L	80	30	3500.01	DFT	QPSK	Inner_Full	26.40	25.40
n78L	80	30	3500.01	DFT	QPSK	Edge_1RB_Left	22.73	21.73
n78L	80	30	3500.01	DFT	QPSK	Edge_1RB_Right	22.63	21.63
n78L	80	30	3500.01	DFT	QPSK	Outer_Full	25.35	24.35

n78L	80	30	3500.01	DFT	16QAM	Inner_Full	25.43	24.43
n78L	80	30	3500.01	DFT	16QAM	Edge_1RB_Left	22.64	21.64
n78L	80	30	3500.01	DFT	16QAM	Edge_1RB_Right	23.14	22.14
n78L	80	30	3500.01	DFT	16QAM	Outer_Full	24.17	23.17
n78L	80	30	3500.01	DFT	64QAM	Inner_Full	24.31	23.31
n78L	80	30	3500.01	DFT	64QAM	Edge_1RB_Left	22.12	21.12
n78L	80	30	3500.01	DFT	64QAM	Edge_1RB_Right	22.27	21.27
n78L	80	30	3500.01	DFT	64QAM	Outer_Full	23.57	22.57
n78L	80	30	3500.01	DFT	256QAM	Inner_Full	21.98	20.98
n78L	80	30	3500.01	DFT	256QAM	Edge_1RB_Left	21.37	20.37
n78L	80	30	3500.01	DFT	256QAM	Edge_1RB_Right	21.29	20.29
n78L	80	30	3500.01	DFT	256QAM	Outer_Full	21.72	20.72
n78L	80	30	3500.01	CP	QPSK	Inner_Full	24.99	23.99
n78L	80	30	3500.01	CP	QPSK	Edge_1RB_Left	22.63	21.63
n78L	80	30	3500.01	CP	QPSK	Edge_1RB_Right	22.68	21.68
n78L	80	30	3500.01	CP	QPSK	Outer_Full	23.39	22.39
n78L	80	30	3500.01	CP	16QAM	Inner_Full	24.51	23.51
n78L	80	30	3500.01	CP	16QAM	Edge_1RB_Left	22.67	21.67
n78L	80	30	3500.01	CP	16QAM	Edge_1RB_Right	22.55	21.55
n78L	80	30	3500.01	CP	16QAM	Outer_Full	23.28	22.28
n78L	80	30	3500.01	CP	64QAM	Inner_Full	22.85	21.85
n78L	80	30	3500.01	CP	64QAM	Edge_1RB_Left	22.22	21.22
n78L	80	30	3500.01	CP	64QAM	Edge_1RB_Right	22.30	21.30
n78L	80	30	3500.01	CP	64QAM	Outer_Full	22.74	21.74
n78L	80	30	3500.01	CP	256QAM	Inner_Full	19.89	18.89
n78L	80	30	3500.01	CP	256QAM	Edge_1RB_Left	19.32	18.32
n78L	80	30	3500.01	CP	256QAM	Edge_1RB_Right	19.54	18.54
n78L	80	30	3500.01	CP	256QAM	Outer_Full	19.99	18.99
n78L	80	30	3510	DFT	pi/2 BPSK	Inner_Full	26.46	25.46
n78L	80	30	3510	DFT	pi/2 BPSK	Edge_1RB_Left	22.48	21.48
n78L	80	30	3510	DFT	pi/2 BPSK	Edge_1RB_Right	22.96	21.96
n78L	80	30	3510	DFT	pi/2 BPSK	Outer_Full	26.02	25.02
n78L	80	30	3510	DFT	QPSK	Inner_Full	26.46	25.46
n78L	80	30	3510	DFT	QPSK	Edge_1RB_Left	22.57	21.57
n78L	80	30	3510	DFT	QPSK	Edge_1RB_Right	23.00	22.00
n78L	80	30	3510	DFT	QPSK	Outer_Full	25.26	24.26
n78L	80	30	3510	DFT	16QAM	Inner_Full	25.17	24.17
n78L	80	30	3510	DFT	16QAM	Edge_1RB_Left	22.76	21.76
n78L	80	30	3510	DFT	16QAM	Edge_1RB_Right	22.70	21.70
n78L	80	30	3510	DFT	16QAM	Outer_Full	24.28	23.28
n78L	80	30	3510	DFT	64QAM	Inner_Full	23.88	22.88

n78L	80	30	3510	DFT	64QAM	Edge_1RB_Left	21.91	20.91
n78L	80	30	3510	DFT	64QAM	Edge_1RB_Right	22.53	21.53
n78L	80	30	3510	DFT	64QAM	Outer_Full	23.69	22.69
n78L	80	30	3510	DFT	256QAM	Inner_Full	22.14	21.14
n78L	80	30	3510	DFT	256QAM	Edge_1RB_Left	21.78	20.78
n78L	80	30	3510	DFT	256QAM	Edge_1RB_Right	22.08	21.08
n78L	80	30	3510	DFT	256QAM	Outer_Full	22.14	21.14
n78L	80	30	3510	CP	QPSK	Inner_Full	25.05	24.05
n78L	80	30	3510	CP	QPSK	Edge_1RB_Left	22.38	21.38
n78L	80	30	3510	CP	QPSK	Edge_1RB_Right	22.77	21.77
n78L	80	30	3510	CP	QPSK	Outer_Full	23.31	22.31
n78L	80	30	3510	CP	16QAM	Inner_Full	24.38	23.38
n78L	80	30	3510	CP	16QAM	Edge_1RB_Left	22.88	21.88
n78L	80	30	3510	CP	16QAM	Edge_1RB_Right	22.78	21.78
n78L	80	30	3510	CP	16QAM	Outer_Full	23.27	22.27
n78L	80	30	3510	CP	64QAM	Inner_Full	22.99	21.99
n78L	80	30	3510	CP	64QAM	Edge_1RB_Left	22.20	21.20
n78L	80	30	3510	CP	64QAM	Edge_1RB_Right	22.36	21.36
n78L	80	30	3510	CP	64QAM	Outer_Full	22.77	21.77
n78L	80	30	3510	CP	256QAM	Inner_Full	20.15	19.15
n78L	80	30	3510	CP	256QAM	Edge_1RB_Left	19.57	18.57
n78L	80	30	3510	CP	256QAM	Edge_1RB_Right	20.16	19.16
n78L	80	30	3510	CP	256QAM	Outer_Full	20.10	19.10
n78L	90	30	3500.01	DFT	$\pi/2$ BPSK	Inner_Full	26.53	25.53
n78L	90	30	3500.01	DFT	$\pi/2$ BPSK	Edge_1RB_Left	22.42	21.42
n78L	90	30	3500.01	DFT	$\pi/2$ BPSK	Edge_1RB_Right	22.84	21.84
n78L	90	30	3500.01	DFT	$\pi/2$ BPSK	Outer_Full	25.83	24.83
n78L	90	30	3500.01	DFT	QPSK	Inner_Full	26.45	25.45
n78L	90	30	3500.01	DFT	QPSK	Edge_1RB_Left	22.59	21.59
n78L	90	30	3500.01	DFT	QPSK	Edge_1RB_Right	22.60	21.60
n78L	90	30	3500.01	DFT	QPSK	Outer_Full	25.21	24.21
n78L	90	30	3500.01	DFT	16QAM	Inner_Full	25.61	24.61
n78L	90	30	3500.01	DFT	16QAM	Edge_1RB_Left	22.45	21.45
n78L	90	30	3500.01	DFT	16QAM	Edge_1RB_Right	23.02	22.02
n78L	90	30	3500.01	DFT	16QAM	Outer_Full	24.05	23.05
n78L	90	30	3500.01	DFT	64QAM	Inner_Full	23.62	22.62
n78L	90	30	3500.01	DFT	64QAM	Edge_1RB_Left	21.91	20.91
n78L	90	30	3500.01	DFT	64QAM	Edge_1RB_Right	22.46	21.46
n78L	90	30	3500.01	DFT	64QAM	Outer_Full	23.69	22.69
n78L	90	30	3500.01	DFT	256QAM	Inner_Full	22.14	21.14
n78L	90	30	3500.01	DFT	256QAM	Edge_1RB_Left	21.32	20.32

n78L	90	30	3500.01	DFT	256QAM	Edge_1RB_Right	21.72	20.72
n78L	90	30	3500.01	DFT	256QAM	Outer_Full	21.89	20.89
n78L	90	30	3500.01	CP	QPSK	Inner_Full	25.08	24.08
n78L	90	30	3500.01	CP	QPSK	Edge_1RB_Left	22.49	21.49
n78L	90	30	3500.01	CP	QPSK	Edge_1RB_Right	23.15	22.15
n78L	90	30	3500.01	CP	QPSK	Outer_Full	23.38	22.38
n78L	90	30	3500.01	CP	16QAM	Inner_Full	24.47	23.47
n78L	90	30	3500.01	CP	16QAM	Edge_1RB_Left	22.69	21.69
n78L	90	30	3500.01	CP	16QAM	Edge_1RB_Right	22.59	21.59
n78L	90	30	3500.01	CP	16QAM	Outer_Full	23.42	22.42
n78L	90	30	3500.01	CP	64QAM	Inner_Full	22.80	21.80
n78L	90	30	3500.01	CP	64QAM	Edge_1RB_Left	22.14	21.14
n78L	90	30	3500.01	CP	64QAM	Edge_1RB_Right	22.20	21.20
n78L	90	30	3500.01	CP	64QAM	Outer_Full	22.69	21.69
n78L	90	30	3500.01	CP	256QAM	Inner_Full	19.85	18.85
n78L	90	30	3500.01	CP	256QAM	Edge_1RB_Left	19.17	18.17
n78L	90	30	3500.01	CP	256QAM	Edge_1RB_Right	19.68	18.68
n78L	90	30	3500.01	CP	256QAM	Outer_Full	19.72	18.72
n78L	90	30	3495	DFT	pi/2 BPSK	Inner_Full	26.43	25.43
n78L	90	30	3495	DFT	pi/2 BPSK	Edge_1RB_Left	22.47	21.47
n78L	90	30	3495	DFT	pi/2 BPSK	Edge_1RB_Right	22.78	21.78
n78L	90	30	3495	DFT	pi/2 BPSK	Outer_Full	25.82	24.82
n78L	90	30	3495	DFT	QPSK	Inner_Full	26.26	25.26
n78L	90	30	3495	DFT	QPSK	Edge_1RB_Left	22.68	21.68
n78L	90	30	3495	DFT	QPSK	Edge_1RB_Right	22.64	21.64
n78L	90	30	3495	DFT	QPSK	Outer_Full	25.15	24.15
n78L	90	30	3495	DFT	16QAM	Inner_Full	25.53	24.53
n78L	90	30	3495	DFT	16QAM	Edge_1RB_Left	22.70	21.70
n78L	90	30	3495	DFT	16QAM	Edge_1RB_Right	22.70	21.70
n78L	90	30	3495	DFT	16QAM	Outer_Full	24.51	23.51
n78L	90	30	3495	DFT	64QAM	Inner_Full	23.66	22.66
n78L	90	30	3495	DFT	64QAM	Edge_1RB_Left	22.32	21.32
n78L	90	30	3495	DFT	64QAM	Edge_1RB_Right	22.17	21.17
n78L	90	30	3495	DFT	64QAM	Outer_Full	24.06	23.06
n78L	90	30	3495	DFT	256QAM	Inner_Full	21.88	20.88
n78L	90	30	3495	DFT	256QAM	Edge_1RB_Left	21.56	20.56
n78L	90	30	3495	DFT	256QAM	Edge_1RB_Right	21.36	20.36
n78L	90	30	3495	DFT	256QAM	Outer_Full	21.69	20.69
n78L	90	30	3495	CP	QPSK	Inner_Full	24.90	23.90
n78L	90	30	3495	CP	QPSK	Edge_1RB_Left	22.38	21.38
n78L	90	30	3495	CP	QPSK	Edge_1RB_Right	22.42	21.42

n78L	90	30	3495	CP	QPSK	Outer_Full	23.30	22.30
n78L	90	30	3495	CP	16QAM	Inner_Full	24.29	23.29
n78L	90	30	3495	CP	16QAM	Edge_1RB_Left	22.67	21.67
n78L	90	30	3495	CP	16QAM	Edge_1RB_Right	23.26	22.26
n78L	90	30	3495	CP	16QAM	Outer_Full	23.16	22.16
n78L	90	30	3495	CP	64QAM	Inner_Full	22.83	21.83
n78L	90	30	3495	CP	64QAM	Edge_1RB_Left	22.20	21.20
n78L	90	30	3495	CP	64QAM	Edge_1RB_Right	22.25	21.25
n78L	90	30	3495	CP	64QAM	Outer_Full	22.72	21.72
n78L	90	30	3495	CP	256QAM	Inner_Full	19.74	18.74
n78L	90	30	3495	CP	256QAM	Edge_1RB_Left	19.32	18.32
n78L	90	30	3495	CP	256QAM	Edge_1RB_Right	19.71	18.71
n78L	90	30	3495	CP	256QAM	Outer_Full	19.87	18.87
n78L	90	30	3504.99	DFT	pi/2 BPSK	Inner_Full	26.67	25.67
n78L	90	30	3504.99	DFT	pi/2 BPSK	Edge_1RB_Left	22.63	21.63
n78L	90	30	3504.99	DFT	pi/2 BPSK	Edge_1RB_Right	23.07	22.07
n78L	90	30	3504.99	DFT	pi/2 BPSK	Outer_Full	25.79	24.79
n78L	90	30	3504.99	DFT	QPSK	Inner_Full	26.58	25.58
n78L	90	30	3504.99	DFT	QPSK	Edge_1RB_Left	22.28	21.28
n78L	90	30	3504.99	DFT	QPSK	Edge_1RB_Right	22.84	21.84
n78L	90	30	3504.99	DFT	QPSK	Outer_Full	25.39	24.39
n78L	90	30	3504.99	DFT	16QAM	Inner_Full	25.21	24.21
n78L	90	30	3504.99	DFT	16QAM	Edge_1RB_Left	22.51	21.51
n78L	90	30	3504.99	DFT	16QAM	Edge_1RB_Right	22.95	21.95
n78L	90	30	3504.99	DFT	16QAM	Outer_Full	24.08	23.08
n78L	90	30	3504.99	DFT	64QAM	Inner_Full	24.40	23.40
n78L	90	30	3504.99	DFT	64QAM	Edge_1RB_Left	22.12	21.12
n78L	90	30	3504.99	DFT	64QAM	Edge_1RB_Right	22.45	21.45
n78L	90	30	3504.99	DFT	64QAM	Outer_Full	23.62	22.62
n78L	90	30	3504.99	DFT	256QAM	Inner_Full	22.23	21.23
n78L	90	30	3504.99	DFT	256QAM	Edge_1RB_Left	21.09	20.09
n78L	90	30	3504.99	DFT	256QAM	Edge_1RB_Right	21.80	20.80
n78L	90	30	3504.99	DFT	256QAM	Outer_Full	21.74	20.74
n78L	90	30	3504.99	CP	QPSK	Inner_Full	25.02	24.02
n78L	90	30	3504.99	CP	QPSK	Edge_1RB_Left	22.61	21.61
n78L	90	30	3504.99	CP	QPSK	Edge_1RB_Right	23.08	22.08
n78L	90	30	3504.99	CP	QPSK	Outer_Full	23.44	22.44
n78L	90	30	3504.99	CP	16QAM	Inner_Full	24.53	23.53
n78L	90	30	3504.99	CP	16QAM	Edge_1RB_Left	22.53	21.53
n78L	90	30	3504.99	CP	16QAM	Edge_1RB_Right	22.95	21.95
n78L	90	30	3504.99	CP	16QAM	Outer_Full	23.30	22.30

n78L	90	30	3504.99	CP	64QAM	Inner_Full	23.18	22.18
n78L	90	30	3504.99	CP	64QAM	Edge_1RB_Left	22.09	21.09
n78L	90	30	3504.99	CP	64QAM	Edge_1RB_Right	22.34	21.34
n78L	90	30	3504.99	CP	64QAM	Outer_Full	22.79	21.79
n78L	90	30	3504.99	CP	256QAM	Inner_Full	20.10	19.10
n78L	90	30	3504.99	CP	256QAM	Edge_1RB_Left	19.52	18.52
n78L	90	30	3504.99	CP	256QAM	Edge_1RB_Right	19.95	18.95
n78L	90	30	3504.99	CP	256QAM	Outer_Full	20.02	19.02
n78L	80	30	3490.02	DFT	pi/2 BPSK	Inner_Full	21.85	20.85
n78L	80	30	3490.02	DFT	pi/2 BPSK	Edge_1RB_Left	20.93	19.93
n78L	80	30	3490.02	DFT	pi/2 BPSK	Edge_1RB_Right	20.72	19.72
n78L	80	30	3490.02	DFT	pi/2 BPSK	Outer_Full	21.30	20.30
n78L	80	30	3490.02	DFT	QPSK	Inner_Full	21.82	20.82
n78L	80	30	3490.02	DFT	QPSK	Edge_1RB_Left	20.56	19.56
n78L	80	30	3490.02	DFT	QPSK	Edge_1RB_Right	20.40	19.40
n78L	80	30	3490.02	DFT	QPSK	Outer_Full	20.78	19.78
n78L	80	30	3490.02	DFT	16QAM	Inner_Full	20.83	19.83
n78L	80	30	3490.02	DFT	16QAM	Edge_1RB_Left	19.59	18.59
n78L	80	30	3490.02	DFT	16QAM	Edge_1RB_Right	19.47	18.47
n78L	80	30	3490.02	DFT	16QAM	Outer_Full	19.95	18.95
n78L	80	30	3490.02	DFT	64QAM	Inner_Full	19.45	18.45
n78L	80	30	3490.02	DFT	64QAM	Edge_1RB_Left	18.98	17.98
n78L	80	30	3490.02	DFT	64QAM	Edge_1RB_Right	19.04	18.04
n78L	80	30	3490.02	DFT	64QAM	Outer_Full	19.46	18.46
n78L	80	30	3490.02	DFT	256QAM	Inner_Full	17.41	16.41
n78L	80	30	3490.02	DFT	256QAM	Edge_1RB_Left	16.97	15.97
n78L	80	30	3490.02	DFT	256QAM	Edge_1RB_Right	16.97	15.97
n78L	80	30	3490.02	DFT	256QAM	Outer_Full	17.40	16.40
n78L	80	30	3490.02	CP	QPSK	Inner_Full	20.47	19.47
n78L	80	30	3490.02	CP	QPSK	Edge_1RB_Left	18.70	17.70
n78L	80	30	3490.02	CP	QPSK	Edge_1RB_Right	18.57	17.57
n78L	80	30	3490.02	CP	QPSK	Outer_Full	18.86	17.86
n78L	80	30	3490.02	CP	16QAM	Inner_Full	19.91	18.91
n78L	80	30	3490.02	CP	16QAM	Edge_1RB_Left	18.42	17.42
n78L	80	30	3490.02	CP	16QAM	Edge_1RB_Right	18.18	17.18
n78L	80	30	3490.02	CP	16QAM	Outer_Full	18.96	17.96
n78L	80	30	3490.02	CP	64QAM	Inner_Full	18.39	17.39
n78L	80	30	3490.02	CP	64QAM	Edge_1RB_Left	17.84	16.84
n78L	80	30	3490.02	CP	64QAM	Edge_1RB_Right	17.89	16.89
n78L	80	30	3490.02	CP	64QAM	Outer_Full	18.41	17.41
n78L	80	30	3490.02	CP	256QAM	Inner_Full	15.33	14.33

n78L	80	30	3490.02	CP	256QAM	Edge_1RB_Left	15.13	14.13
n78L	80	30	3490.02	CP	256QAM	Edge_1RB_Right	15.01	14.01
n78L	80	30	3490.02	CP	256QAM	Outer_Full	15.36	14.36
n78L	80	30	3500.01	DFT	pi/2 BPSK	Inner_Full	21.88	20.88
n78L	80	30	3500.01	DFT	pi/2 BPSK	Edge_1RB_Left	20.75	19.75
n78L	80	30	3500.01	DFT	pi/2 BPSK	Edge_1RB_Right	21.03	20.03
n78L	80	30	3500.01	DFT	pi/2 BPSK	Outer_Full	21.28	20.28
n78L	80	30	3500.01	DFT	QPSK	Inner_Full	21.85	20.85
n78L	80	30	3500.01	DFT	QPSK	Edge_1RB_Left	20.32	19.32
n78L	80	30	3500.01	DFT	QPSK	Edge_1RB_Right	20.37	19.37
n78L	80	30	3500.01	DFT	QPSK	Outer_Full	20.81	19.81
n78L	80	30	3500.01	DFT	16QAM	Inner_Full	20.85	19.85
n78L	80	30	3500.01	DFT	16QAM	Edge_1RB_Left	19.22	18.22
n78L	80	30	3500.01	DFT	16QAM	Edge_1RB_Right	19.38	18.38
n78L	80	30	3500.01	DFT	16QAM	Outer_Full	19.94	18.94
n78L	80	30	3500.01	DFT	64QAM	Inner_Full	19.50	18.50
n78L	80	30	3500.01	DFT	64QAM	Edge_1RB_Left	18.93	17.93
n78L	80	30	3500.01	DFT	64QAM	Edge_1RB_Right	18.97	17.97
n78L	80	30	3500.01	DFT	64QAM	Outer_Full	19.38	18.38
n78L	80	30	3500.01	DFT	256QAM	Inner_Full	17.43	16.43
n78L	80	30	3500.01	DFT	256QAM	Edge_1RB_Left	16.90	15.90
n78L	80	30	3500.01	DFT	256QAM	Edge_1RB_Right	16.96	15.96
n78L	80	30	3500.01	DFT	256QAM	Outer_Full	17.46	16.46
n78L	80	30	3500.01	CP	QPSK	Inner_Full	20.49	19.49
n78L	80	30	3500.01	CP	QPSK	Edge_1RB_Left	18.57	17.57
n78L	80	30	3500.01	CP	QPSK	Edge_1RB_Right	18.70	17.70
n78L	80	30	3500.01	CP	QPSK	Outer_Full	18.87	17.87
n78L	80	30	3500.01	CP	16QAM	Inner_Full	19.88	18.88
n78L	80	30	3500.01	CP	16QAM	Edge_1RB_Left	18.33	17.33
n78L	80	30	3500.01	CP	16QAM	Edge_1RB_Right	18.31	17.31
n78L	80	30	3500.01	CP	16QAM	Outer_Full	18.91	17.91
n78L	80	30	3500.01	CP	64QAM	Inner_Full	18.44	17.44
n78L	80	30	3500.01	CP	64QAM	Edge_1RB_Left	17.70	16.70
n78L	80	30	3500.01	CP	64QAM	Edge_1RB_Right	17.93	16.93
n78L	80	30	3500.01	CP	64QAM	Outer_Full	18.32	17.32
n78L	80	30	3500.01	CP	256QAM	Inner_Full	15.37	14.37
n78L	80	30	3500.01	CP	256QAM	Edge_1RB_Left	14.84	13.84
n78L	80	30	3500.01	CP	256QAM	Edge_1RB_Right	14.96	13.96
n78L	80	30	3500.01	CP	256QAM	Outer_Full	15.34	14.34
n78L	80	30	3510	DFT	pi/2 BPSK	Inner_Full	21.93	20.93
n78L	80	30	3510	DFT	pi/2 BPSK	Edge_1RB_Left	20.69	19.69

n78L	80	30	3510	DFT	pi/2 BPSK	Edge_1RB_Right	21.16	20.16
n78L	80	30	3510	DFT	pi/2 BPSK	Outer_Full	21.28	20.28
n78L	80	30	3510	DFT	QPSK	Inner_Full	21.90	20.90
n78L	80	30	3510	DFT	QPSK	Edge_1RB_Left	20.09	19.09
n78L	80	30	3510	DFT	QPSK	Edge_1RB_Right	20.59	19.59
n78L	80	30	3510	DFT	QPSK	Outer_Full	20.78	19.78
n78L	80	30	3510	DFT	16QAM	Inner_Full	20.89	19.89
n78L	80	30	3510	DFT	16QAM	Edge_1RB_Left	19.32	18.32
n78L	80	30	3510	DFT	16QAM	Edge_1RB_Right	19.52	18.52
n78L	80	30	3510	DFT	16QAM	Outer_Full	19.96	18.96
n78L	80	30	3510	DFT	64QAM	Inner_Full	19.52	18.52
n78L	80	30	3510	DFT	64QAM	Edge_1RB_Left	18.82	17.82
n78L	80	30	3510	DFT	64QAM	Edge_1RB_Right	19.29	18.29
n78L	80	30	3510	DFT	64QAM	Outer_Full	19.41	18.41
n78L	80	30	3510	DFT	256QAM	Inner_Full	17.44	16.44
n78L	80	30	3510	DFT	256QAM	Edge_1RB_Left	16.83	15.83
n78L	80	30	3510	DFT	256QAM	Edge_1RB_Right	17.18	16.18
n78L	80	30	3510	DFT	256QAM	Outer_Full	17.41	16.41
n78L	80	30	3510	CP	QPSK	Inner_Full	20.54	19.54
n78L	80	30	3510	CP	QPSK	Edge_1RB_Left	18.43	17.43
n78L	80	30	3510	CP	QPSK	Edge_1RB_Right	18.93	17.93
n78L	80	30	3510	CP	QPSK	Outer_Full	18.88	17.88
n78L	80	30	3510	CP	16QAM	Inner_Full	20.01	19.01
n78L	80	30	3510	CP	16QAM	Edge_1RB_Left	18.13	17.13
n78L	80	30	3510	CP	16QAM	Edge_1RB_Right	18.61	17.61
n78L	80	30	3510	CP	16QAM	Outer_Full	18.93	17.93
n78L	80	30	3510	CP	64QAM	Inner_Full	18.50	17.50
n78L	80	30	3510	CP	64QAM	Edge_1RB_Left	17.74	16.74
n78L	80	30	3510	CP	64QAM	Edge_1RB_Right	18.11	17.11
n78L	80	30	3510	CP	64QAM	Outer_Full	18.43	17.43
n78L	80	30	3510	CP	256QAM	Inner_Full	15.50	14.50
n78L	80	30	3510	CP	256QAM	Edge_1RB_Left	14.64	13.64
n78L	80	30	3510	CP	256QAM	Edge_1RB_Right	15.17	14.17
n78L	80	30	3510	CP	256QAM	Outer_Full	15.37	14.37
n78L	90	30	3495	DFT	pi/2 BPSK	Inner_Full	21.72	20.72
n78L	90	30	3495	DFT	pi/2 BPSK	Edge_1RB_Left	20.90	19.90
n78L	90	30	3495	DFT	pi/2 BPSK	Edge_1RB_Right	20.70	19.70
n78L	90	30	3495	DFT	pi/2 BPSK	Outer_Full	21.24	20.24
n78L	90	30	3495	DFT	QPSK	Inner_Full	21.77	20.77
n78L	90	30	3495	DFT	QPSK	Edge_1RB_Left	20.28	19.28
n78L	90	30	3495	DFT	QPSK	Edge_1RB_Right	20.32	19.32

n78L	90	30	3495	DFT	QPSK	Outer_Full	20.75	19.75
n78L	90	30	3495	DFT	16QAM	Inner_Full	20.76	19.76
n78L	90	30	3495	DFT	16QAM	Edge_1RB_Left	19.50	18.50
n78L	90	30	3495	DFT	16QAM	Edge_1RB_Right	19.41	18.41
n78L	90	30	3495	DFT	16QAM	Outer_Full	19.93	18.93
n78L	90	30	3495	DFT	64QAM	Inner_Full	19.36	18.36
n78L	90	30	3495	DFT	64QAM	Edge_1RB_Left	19.10	18.10
n78L	90	30	3495	DFT	64QAM	Edge_1RB_Right	18.99	17.99
n78L	90	30	3495	DFT	64QAM	Outer_Full	19.41	18.41
n78L	90	30	3495	DFT	256QAM	Inner_Full	17.38	16.38
n78L	90	30	3495	DFT	256QAM	Edge_1RB_Left	16.95	15.95
n78L	90	30	3495	DFT	256QAM	Edge_1RB_Right	16.89	15.89
n78L	90	30	3495	DFT	256QAM	Outer_Full	17.45	16.45
n78L	90	30	3495	CP	QPSK	Inner_Full	20.36	19.36
n78L	90	30	3495	CP	QPSK	Edge_1RB_Left	18.55	17.55
n78L	90	30	3495	CP	QPSK	Edge_1RB_Right	18.49	17.49
n78L	90	30	3495	CP	QPSK	Outer_Full	18.91	17.91
n78L	90	30	3495	CP	16QAM	Inner_Full	19.84	18.84
n78L	90	30	3495	CP	16QAM	Edge_1RB_Left	18.33	17.33
n78L	90	30	3495	CP	16QAM	Edge_1RB_Right	18.35	17.35
n78L	90	30	3495	CP	16QAM	Outer_Full	18.87	17.87
n78L	90	30	3495	CP	64QAM	Inner_Full	18.30	17.30
n78L	90	30	3495	CP	64QAM	Edge_1RB_Left	17.83	16.83
n78L	90	30	3495	CP	64QAM	Edge_1RB_Right	17.96	16.96
n78L	90	30	3495	CP	64QAM	Outer_Full	18.35	17.35
n78L	90	30	3495	CP	256QAM	Inner_Full	15.28	14.28
n78L	90	30	3495	CP	256QAM	Edge_1RB_Left	14.90	13.90
n78L	90	30	3495	CP	256QAM	Edge_1RB_Right	14.99	13.99
n78L	90	30	3495	CP	256QAM	Outer_Full	15.30	14.30
n78L	90	30	3500.01	DFT	$\pi/2$ BPSK	Inner_Full	21.94	20.94
n78L	90	30	3500.01	DFT	$\pi/2$ BPSK	Edge_1RB_Left	20.98	19.98
n78L	90	30	3500.01	DFT	$\pi/2$ BPSK	Edge_1RB_Right	21.06	20.06
n78L	90	30	3500.01	DFT	$\pi/2$ BPSK	Outer_Full	21.37	20.37
n78L	90	30	3500.01	DFT	QPSK	Inner_Full	21.99	20.99
n78L	90	30	3500.01	DFT	QPSK	Edge_1RB_Left	20.43	19.43
n78L	90	30	3500.01	DFT	QPSK	Edge_1RB_Right	20.63	19.63
n78L	90	30	3500.01	DFT	QPSK	Outer_Full	20.90	19.90
n78L	90	30	3500.01	DFT	16QAM	Inner_Full	20.94	19.94
n78L	90	30	3500.01	DFT	16QAM	Edge_1RB_Left	19.85	18.85
n78L	90	30	3500.01	DFT	16QAM	Edge_1RB_Right	20.05	19.05
n78L	90	30	3500.01	DFT	16QAM	Outer_Full	20.16	19.16

n78L	90	30	3500.01	DFT	64QAM	Inner_Full	19.61	18.61
n78L	90	30	3500.01	DFT	64QAM	Edge_1RB_Left	19.30	18.30
n78L	90	30	3500.01	DFT	64QAM	Edge_1RB_Right	19.65	18.65
n78L	90	30	3500.01	DFT	64QAM	Outer_Full	19.63	18.63
n78L	90	30	3500.01	DFT	256QAM	Inner_Full	17.64	16.64
n78L	90	30	3500.01	DFT	256QAM	Edge_1RB_Left	17.19	16.19
n78L	90	30	3500.01	DFT	256QAM	Edge_1RB_Right	17.45	16.45
n78L	90	30	3500.01	DFT	256QAM	Outer_Full	17.54	16.54
n78L	90	30	3500.01	CP	QPSK	Inner_Full	20.48	19.48
n78L	90	30	3500.01	CP	QPSK	Edge_1RB_Left	18.65	17.65
n78L	90	30	3500.01	CP	QPSK	Edge_1RB_Right	18.70	17.70
n78L	90	30	3500.01	CP	QPSK	Outer_Full	18.84	17.84
n78L	90	30	3500.01	CP	16QAM	Inner_Full	20.03	19.03
n78L	90	30	3500.01	CP	16QAM	Edge_1RB_Left	18.64	17.64
n78L	90	30	3500.01	CP	16QAM	Edge_1RB_Right	18.84	17.84
n78L	90	30	3500.01	CP	16QAM	Outer_Full	18.95	17.95
n78L	90	30	3500.01	CP	64QAM	Inner_Full	18.56	17.56
n78L	90	30	3500.01	CP	64QAM	Edge_1RB_Left	18.39	17.39
n78L	90	30	3500.01	CP	64QAM	Edge_1RB_Right	18.43	17.43
n78L	90	30	3500.01	CP	64QAM	Outer_Full	18.50	17.50
n78L	90	30	3500.01	CP	256QAM	Inner_Full	15.45	14.45
n78L	90	30	3500.01	CP	256QAM	Edge_1RB_Left	15.15	14.15
n78L	90	30	3500.01	CP	256QAM	Edge_1RB_Right	15.34	14.34
n78L	90	30	3500.01	CP	256QAM	Outer_Full	15.47	14.47
n78L	90	30	3504.99	DFT	pi/2 BPSK	Inner_Full	21.89	20.89
n78L	90	30	3504.99	DFT	pi/2 BPSK	Edge_1RB_Left	20.83	19.83
n78L	90	30	3504.99	DFT	pi/2 BPSK	Edge_1RB_Right	21.05	20.05
n78L	90	30	3504.99	DFT	pi/2 BPSK	Outer_Full	21.33	20.33
n78L	90	30	3504.99	DFT	QPSK	Inner_Full	21.88	20.88
n78L	90	30	3504.99	DFT	QPSK	Edge_1RB_Left	20.16	19.16
n78L	90	30	3504.99	DFT	QPSK	Edge_1RB_Right	20.60	19.60
n78L	90	30	3504.99	DFT	QPSK	Outer_Full	20.83	19.83
n78L	90	30	3504.99	DFT	16QAM	Inner_Full	20.89	19.89
n78L	90	30	3504.99	DFT	16QAM	Edge_1RB_Left	19.16	18.16
n78L	90	30	3504.99	DFT	16QAM	Edge_1RB_Right	19.63	18.63
n78L	90	30	3504.99	DFT	16QAM	Outer_Full	20.04	19.04
n78L	90	30	3504.99	DFT	64QAM	Inner_Full	19.52	18.52
n78L	90	30	3504.99	DFT	64QAM	Edge_1RB_Left	18.84	17.84
n78L	90	30	3504.99	DFT	64QAM	Edge_1RB_Right	19.01	18.01
n78L	90	30	3504.99	DFT	64QAM	Outer_Full	19.47	18.47
n78L	90	30	3504.99	DFT	256QAM	Inner_Full	17.52	16.52

n78L	90	30	3504.99	DFT	256QAM	Edge_1RB_Left	17.06	16.06
n78L	90	30	3504.99	DFT	256QAM	Edge_1RB_Right	17.41	16.41
n78L	90	30	3504.99	DFT	256QAM	Outer_Full	17.47	16.47
n78L	90	30	3504.99	CP	QPSK	Inner_Full	20.44	19.44
n78L	90	30	3504.99	CP	QPSK	Edge_1RB_Left	18.33	17.33
n78L	90	30	3504.99	CP	QPSK	Edge_1RB_Right	18.81	17.81
n78L	90	30	3504.99	CP	QPSK	Outer_Full	18.95	17.95
n78L	90	30	3504.99	CP	16QAM	Inner_Full	20.04	19.04
n78L	90	30	3504.99	CP	16QAM	Edge_1RB_Left	18.29	17.29
n78L	90	30	3504.99	CP	16QAM	Edge_1RB_Right	18.57	17.57
n78L	90	30	3504.99	CP	16QAM	Outer_Full	18.91	17.91
n78L	90	30	3504.99	CP	64QAM	Inner_Full	18.47	17.47
n78L	90	30	3504.99	CP	64QAM	Edge_1RB_Left	17.78	16.78
n78L	90	30	3504.99	CP	64QAM	Edge_1RB_Right	18.17	17.17
n78L	90	30	3504.99	CP	64QAM	Outer_Full	18.48	17.48
n78L	90	30	3504.99	CP	256QAM	Inner_Full	15.46	14.46
n78L	90	30	3504.99	CP	256QAM	Edge_1RB_Left	14.88	13.88
n78L	90	30	3504.99	CP	256QAM	Edge_1RB_Right	15.16	14.16
n78L	90	30	3504.99	CP	256QAM	Outer_Full	15.42	14.42

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 0.764 \text{ dB}$, $k = 2$.

A.2 Emission Limit

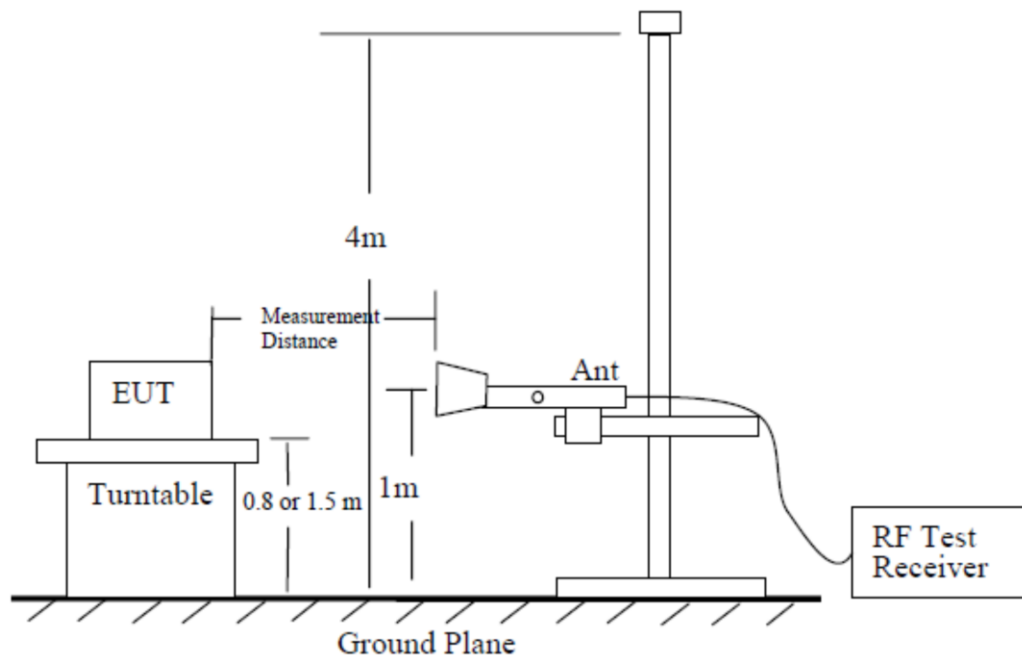
A.2.1 Measurement Method

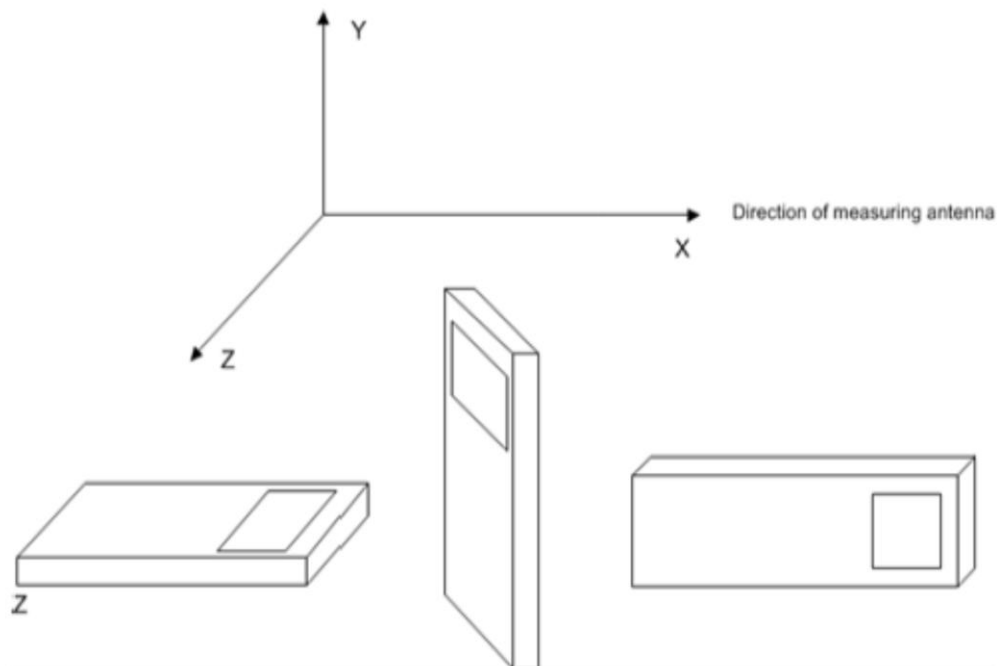
The measurements procedures in C63.26 are used.

The spectrum was scanned from 30 MHz to the 10th harmonic of the highest frequency generated within the equipment, which is the transmitted carrier. The resolution bandwidth is set 1MHz. The spectrum was scanned with the mobile station transmitting at carrier frequencies that pertain to low, mid and high channels of the NR Bands 7/38/41/78L.

The procedure of radiated spurious emissions is as follows:

Using the test configuration as follow, measure the radiated emissions directly from the EUT and convert the measured field strength or received power to ERP or EIRP, as required, for comparison to the applicable limits.





The emission characteristics of the EUT can be identified from the pre-scan measurement information.

Exploratory radiated measurements (pre-scans) may be performed to determine the general EUT radiated emissions characteristics and, when necessary, the EUT-to-measurement antenna orientation that produces the maximum emission amplitude. Pre-scans shall only be used to determine the emission frequencies (i.e., not amplitude levels). The information garnered from a pre-scan can then be used to perform final compliance measurements using either the substitution or direct field strength method.

For radiated emissions measurements performed at frequencies less than or equal to 1 GHz, the EUT shall be placed on a RF-transparent table or support at a nominal height of 80 cm above the reference ground plane. Radiated measurements shall be made with the measurement antenna positioned in both horizontal and vertical polarization. The measurement antenna shall be varied from 1 m to 4 m in height above the reference ground in a search for the relative positioning that produces the maximum radiated signal level (i.e., field strength or received power). When orienting the measurement antenna in vertical polarization, the minimum height of the lowest element of the antenna shall clear the site reference ground plane by at least 25 cm.

The radiated emission measurements of all non-harmonic and harmonics of the transmit frequency through the 10th harmonic were measured with peak detector.

For radiated measurements performed at frequencies above 1 GHz, the EUT shall be placed on an RF transparent table or support at a nominal height of 1.5 m above the ground plane. When maximizing the emissions from the EUT for measurement, the EUT and its transmitting antenna(s) shall be rotated through 360°. For each mode of operation to be tested, the frequency spectrum (based on findings from exploratory measurements) shall be monitored. Final measurements shall be performed for the worst case combination(s) of variable technical parameters that result in the maximum measured emission amplitude, record the frequency and amplitude of the highest fundamental emission (if applicable), and the frequency and amplitude data for the six highest-amplitude spurious emissions.

A.2.2 Measurement Limit

n7/38: 27.53(m) (4) specifies " For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees. "

n41: 7.53(m) specifies " For BRS and EBS stations, the power of any emissions outside the licensee's frequency bands of operation shall be attenuated below the transmitter power (P) measured in watts in accordance with the standards below. If a licensee has multiple contiguous channels, out-of-band emissions shall be measured from the upper and lower edges of the contiguous channels.

(4) For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees."

n78L: 27.53(n)(2) specifies " For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz."

A.2.3 Measurement Results

Radiated emissions measurements were made only at the upper, middle, and lower carrier frequencies of the NR Bands. It was decided that measurements at these three carrier frequencies would be sufficient to demonstrate compliance with emissions limits because it was seen that all the significant spurs occur well outside the band and no radiation was seen from a carrier in one block of the NR Bands 7/38/41/78L into any of the other blocks. The equipment must still, however, meet emissions requirements with the carrier at all frequencies over which it is capable of operating and it is the manufacturer's responsibility to verify this. The range of evaluated frequency is from 30MHz to 40GHz.

Measurement Results:
UT07a + AE2-1 + AE1-3
n7, 20MHz, QPSK, Channel 502000, ANT2

Frequency (MHz)	P _{Mea} (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
4992.20	-60.44	6.62	9.89	-57.17	-25.00	32.17	V
7543.13	-54.26	8.21	12.23	-50.24	-25.00	25.24	V
10065.94	-53.11	9.37	12.93	-49.55	-25.00	24.55	V
12541.41	-48.71	10.29	13.22	-45.78	-25.00	20.78	V
15041.72	-44.59	11.27	13.97	-41.89	-25.00	16.89	H
17563.13	-40.11	12.97	14.99	-38.09	-25.00	13.09	H

n7, 20MHz, QPSK, Channel 507000, ANT2

Frequency (MHz)	P _{Mea} (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5096.26	-59.93	6.76	10.03	-56.66	-25.00	31.66	V
7576.88	-54.07	8.07	12.26	-49.88	-25.00	24.88	V
10147.97	-53.54	9.38	12.96	-49.96	-25.00	24.96	H
12698.91	-48.34	10.30	13.32	-45.32	-25.00	20.32	H
15203.91	-43.64	11.39	13.88	-41.15	-25.00	16.15	H
17751.56	-39.47	12.47	15.25	-36.69	-25.00	11.69	H

n7, 20MHz, QPSK, Channel 512000, ANT2

Frequency (MHz)	P _{Mea} (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5093.91	-59.64	6.76	10.03	-56.37	-25.00	31.37	H
7682.82	-55.76	8.35	12.35	-51.76	-25.00	26.76	H
10212.66	-53.17	9.34	12.99	-49.52	-25.00	24.52	V
12790.32	-48.13	10.72	13.37	-45.48	-25.00	20.48	V
15351.10	-44.33	11.34	13.79	-41.88	-25.00	16.88	H
17897.34	-40.17	12.87	15.46	-37.58	-25.00	12.58	V

UT07a + AE2-1 + AE1-3
n38, 20MHz, QPSK, Channel 516000, ANT2

Frequency (MHz)	P _{Mea} (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5149.01	-59.51	6.88	10.11	-56.28	-25.00	31.28	H
7719.01	-54.59	8.40	12.38	-50.61	-25.00	25.61	H
10317.01	-50.84	9.67	13.03	-47.48	-25.00	22.48	V
12879.00	-47.63	10.56	13.43	-44.76	-25.00	19.76	H
15498.00	-43.88	11.53	13.70	-41.71	-25.00	16.71	H
16780.00	-39.97	12.04	13.71	-38.30	-25.00	13.30	H

n38, 20MHz, QPSK, Channel 519000, ANT2

Frequency (MHz)	P _{Mea} (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5205.01	-59.83	6.97	10.19	-56.61	-25.00	31.61	V
7814.01	-54.24	8.31	12.45	-50.10	-25.00	25.10	V
10393.01	-51.32	9.79	13.06	-48.05	-25.00	23.05	V
13004.00	-46.18	10.48	13.51	-43.15	-25.00	18.15	H
15560.00	-44.00	11.50	13.70	-41.80	-25.00	16.80	H
16871.00	-40.34	12.03	13.75	-38.62	-25.00	13.62	H

n38, 20MHz, QPSK, Channel 522000, ANT2

Frequency (MHz)	P _{Mea} (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5244.01	-59.27	7.00	10.24	-56.03	-25.00	31.03	V
7850.01	-55.21	8.36	12.48	-51.09	-25.00	26.09	H
10449.01	-49.03	9.73	13.08	-45.68	-25.00	20.68	V
13066.00	-44.99	10.78	13.59	-42.18	-25.00	17.18	V
15639.00	-43.91	11.53	13.70	-41.74	-25.00	16.74	H
16972.00	-39.75	12.27	13.79	-38.23	-25.00	13.23	H

UT07a + AE2-1 + AE1-3
n41, 100MHz, QPSK, Channel 509202, ANT0

Frequency (MHz)	P _{Mea} (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5095.01	-59.00	6.76	10.03	-55.73	-25.00	30.73	H
7618.01	-54.47	8.05	12.29	-50.23	-25.00	25.23	V
10199.01	-53.19	9.30	12.98	-49.51	-25.00	24.51	H
12752.00	-47.31	10.54	13.35	-44.50	-25.00	19.50	H
15267.00	-44.40	11.32	13.84	-41.88	-25.00	16.88	H
17839.00	-40.64	12.79	15.37	-38.06	-25.00	13.06	H

n41, 100MHz, QPSK, Channel 518598, ANT0

Frequency (MHz)	P _{Mea} (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5157.01	-59.55	6.89	10.12	-56.32	-25.00	31.32	H
7772.01	-55.42	8.33	12.42	-51.33	-25.00	26.33	V
10393.01	-51.07	9.79	13.06	-47.80	-25.00	22.80	V
12985.00	-47.27	10.47	13.49	-44.25	-25.00	19.25	V
15542.00	-44.56	11.51	13.70	-42.37	-25.00	17.37	H
16858.00	-40.02	12.05	13.74	-38.33	-25.00	13.33	H

n41, 100MHz, QPSK, Channel 528000, ANT0

Frequency (MHz)	P _{Mea} (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
5280.01	-59.46	6.99	10.29	-56.16	-25.00	31.16	V
7944.01	-54.12	8.38	12.56	-49.94	-25.00	24.94	V
10530.00	-51.61	9.54	13.11	-48.04	-25.00	23.04	V
13179.00	-45.01	10.59	13.75	-41.85	-25.00	16.85	V
15841.00	-42.49	11.64	13.70	-40.43	-25.00	15.43	V
17163.00	-38.86	12.47	14.16	-37.17	-25.00	12.17	H

UT07a + AE2-1 + AE1-3
n78L, 20MHz, QPSK, Channel 630666, ANT2

Frequency (MHz)	P _{Mea} (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
6455.00	-57.75	7.55	10.96	-54.34	-13.00	41.34	V
7774.00	-55.34	8.32	12.42	-51.24	-13.00	38.24	H
11672.00	-50.54	9.66	13.07	-47.13	-13.00	34.13	H
12966.00	-47.29	10.48	13.48	-44.29	-13.00	31.29	H
15564.00	-44.40	11.50	13.70	-42.20	-13.00	29.20	H
16830.00	-41.06	12.08	13.73	-39.41	-13.00	26.41	H

n78L, 20MHz, QPSK, Channel 636666, ANT2

Frequency (MHz)	P _{Mea} (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
7074.00	-56.08	8.19	11.69	-52.58	-13.00	39.58	V
8833.00	-54.36	8.72	13.07	-50.01	-13.00	37.01	V
10623.00	-48.75	9.29	13.12	-44.92	-13.00	31.92	V
12387.00	-49.37	10.38	13.15	-46.60	-13.00	33.60	V
14151.00	-44.67	10.97	14.47	-41.17	-13.00	28.17	V
15942.00	-44.52	11.70	13.70	-42.52	-13.00	29.52	H

n78L, 20MHz, QPSK, Channel 642666, ANT2

Frequency (MHz)	P _{Mea} (dBm)	Path Loss(dB)	Antenna Gain(dBi)	Peak EIRP (dBm)	Limit (dBm)	Margin (dB)	Polarization
6488.00	-57.37	7.53	10.99	-53.91	-13.00	40.91	V
9078.00	-54.40	8.99	13.15	-50.24	-13.00	37.24	V
10361.00	-52.54	9.74	13.04	-49.24	-13.00	36.24	V
12946.00	-47.78	10.49	13.47	-44.80	-13.00	31.80	V
15584.00	-44.68	11.49	13.70	-42.47	-13.00	29.47	H
16851.00	-40.56	12.05	13.74	-38.87	-13.00	25.87	H

Sample: 3531.02MHz

Power (EIRP) = P_{Mea} - P_{pl} + G_a

Power (-68.09dBm) = P_{Mea} (-70.70dBm) - P_{pl} (5.63dB) + G_a (8.24dBi)

Note: Expanded measurement uncertainty

Frequency range	Expanded measurement uncertainty
30MHz-1GHz	5.76dB, k=2
1GHz-18GHz	4.69dB, k=2
18GHz-40GHz	3.37dB, k=2

Note: The measurement results showed here are worst cases

A.3 Frequency Stability

A.3.1 Method of Measurement

Frequency stability is a measure of the frequency drift due to temperature and supply voltage variations, with reference to the frequency measured at +20 °C and rated supply voltage. Two reference points are established at the applicable unwanted emissions limit using a RBW equal to the RBW required by the unwanted emissions specification of the applicable regulatory standard. These reference points measured using the lowest and highest channel of operation shall be identified as F_L and F_H respectively.

In order to measure the carrier frequency under the condition of AFC lock, it is necessary to make measurements with the EUT in a "call mode". This is accomplished with the use of MT8000A.

1. Measure the carrier frequency at room temperature.
2. Subject the EUT to overnight soak at -30°C.
3. With the EUT, powered via nominal voltage, connected to the MT8000A, and in a simulated call on middle channel for each NR band, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
4. Repeat the above measurements at 10°C increments from -30°C to +50°C. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
5. Re-measure carrier frequency at room temperature with nominal voltage. Vary supply voltage from minimum voltage to maximum voltage, in 0.1Volt increments re-measuring carrier frequency at each voltage. Pause at nominal voltage for 1.5 hours unpowered, to allow any self-heating to stabilize, before continuing.
6. Subject the EUT to overnight soak at +50°C.
7. With the EUT, powered via nominal voltage, connected to the MT8000A and in a simulated call on the center channel, measure the carrier frequency. These measurements should be made within 2 minutes of Powering up the EUT, to prevent significant self-warming.
8. Repeat the above measurements at 10 °C decrements from +50°C to -30°C. Allow at least 1.5 hours at each temperature, unpowered, before making measurements.
9. At all temperature levels hold the temperature to +/- 0.5°C during the measurement procedure.

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. As this transceiver is considered "Hand carried, battery powered equipment" Section 2.1055(d)(2) applies. This requires that the lower voltage for frequency stability testing be specified by the manufacturer. This transceiver is specified to operate with an input voltage of the lower, higher and nominal voltage. Operation above or below these voltage limits is prohibited by transceiver software in order to prevent improper operation as well as to protect components from overstress.

A.3.2 Measurement results

n7

Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.87	2500.304	2568.608		
50				2.80	0.0011
40				-0.90	0.0004
30				-1.60	0.0006
10				1.50	0.0006
0				6.30	0.0025
-10				5.50	0.0022
-20				-1.00	0.0004
-30				-4.10	0.0016

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.6	20	2500.304	2568.608	2.40	0.0009
4.45				0.80	0.0003

n38

Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.87	2570.624	2618.976		
50				7.40	0.0029
40				9.40	0.0036
30				9.20	0.0035
10				5.60	0.0022
0				6.20	0.0024
-10				17.10	0.0066
-20				12.20	0.0047
-30				14.50	0.0056

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.6	20	2570.624	2618.976	11.30	0.0044
4.45				16.60	0.0064

n41
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.87	2496.736	2688.144		
50				-9.40	0.0036
40				-3.40	0.0013
30				-0.70	0.0003
10				-0.50	0.0002
0				-6.30	0.0024
-10				0.20	0.0001
-20				4.80	0.0019
-30				3.00	0.0012

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.6	20	2496.736	2688.144	-2.90	0.0011
4.45				4.70	0.0018

n78L
Frequency Error vs Temperature

Temperature(°C)	Voltage(V)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
20	3.87	3450.720	3548.512		
50				9.70	0.0028
40				-6.70	0.0019
30				9.60	0.0027
10				2.80	0.0008
0				7.80	0.0022
-10				-2.70	0.0008
-20				7.30	0.0021
-30				9.30	0.0027

Frequency Error vs Voltage

Voltage(V)	Temperature(°C)	FL(MHz)	FH(MHz)	Offset(Hz)	Frequency error(ppm)
3.6	20	3450.720	3548.512	-4.70	0.0013
4.45				-11.00	0.0031

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 0.047k \text{ Hz}$, $k = 2$.

A.4 Occupied Bandwidth

Occupied bandwidth measurements are only provided for selected frequencies in order to reduce the amount of submitted data. Data were taken at the mid frequencies frequency. The table below lists the measured 99% BW. Spectrum analyzer plots are included on the following pages.

The measurement method is from ANSI C63.26:

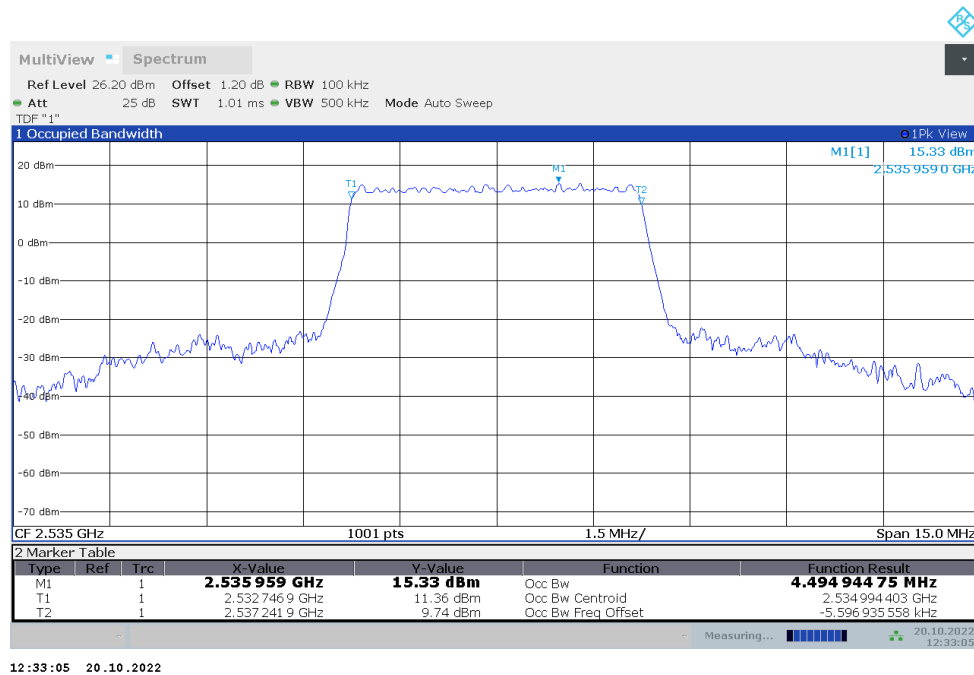
- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The frequency span for the spectrum analyzer shall be set wide enough to capture all modulation products including the emission skirts.
- b) The nominal IF filter 3 dB bandwidth (RBW) shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set $\geq 3 \times \text{RBW}$.
- c) Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation.
- d) Set the detection mode to peak, and the trace mode to max-hold.

n7

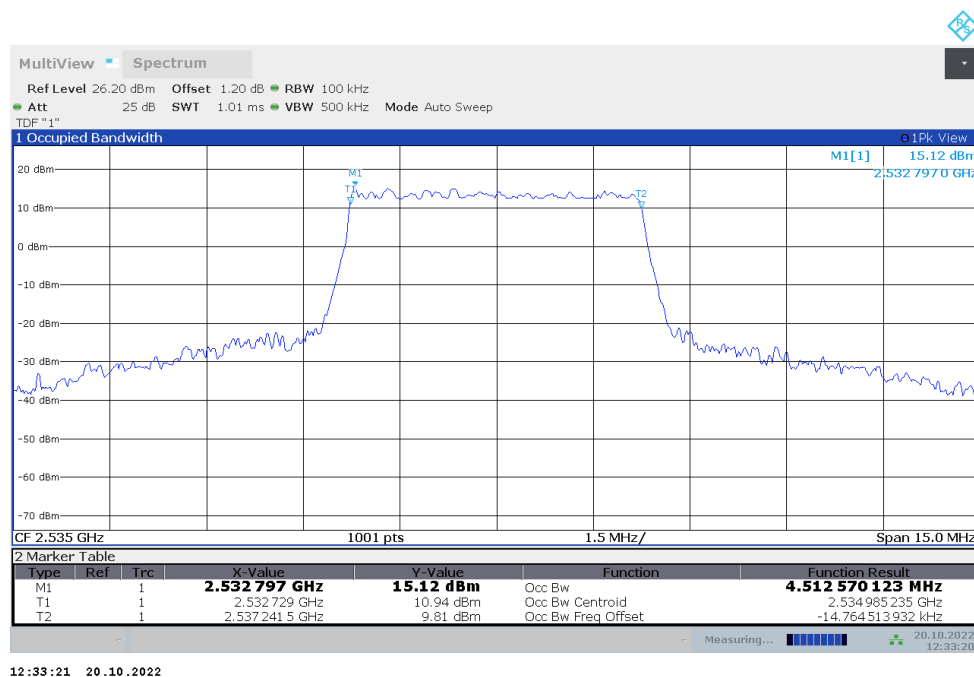
n7,5MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2535	4.495	4.513

n7,5MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



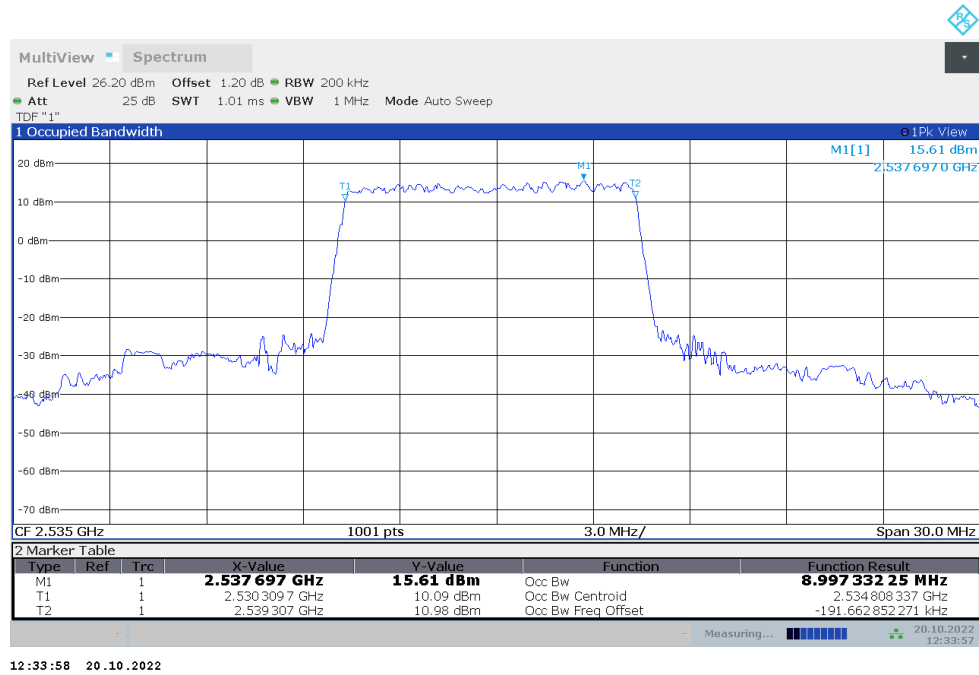
n7,5MHz Bandwidth,DFT-s-QPSK (99% BW)



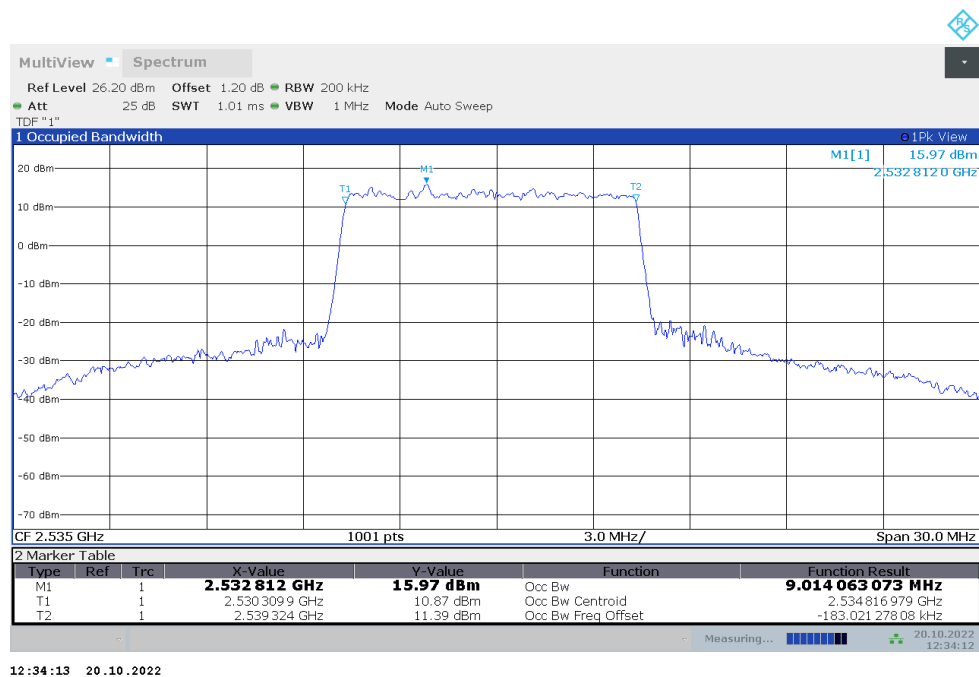
n7,10MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2535	8.997	9.014

n7,10MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



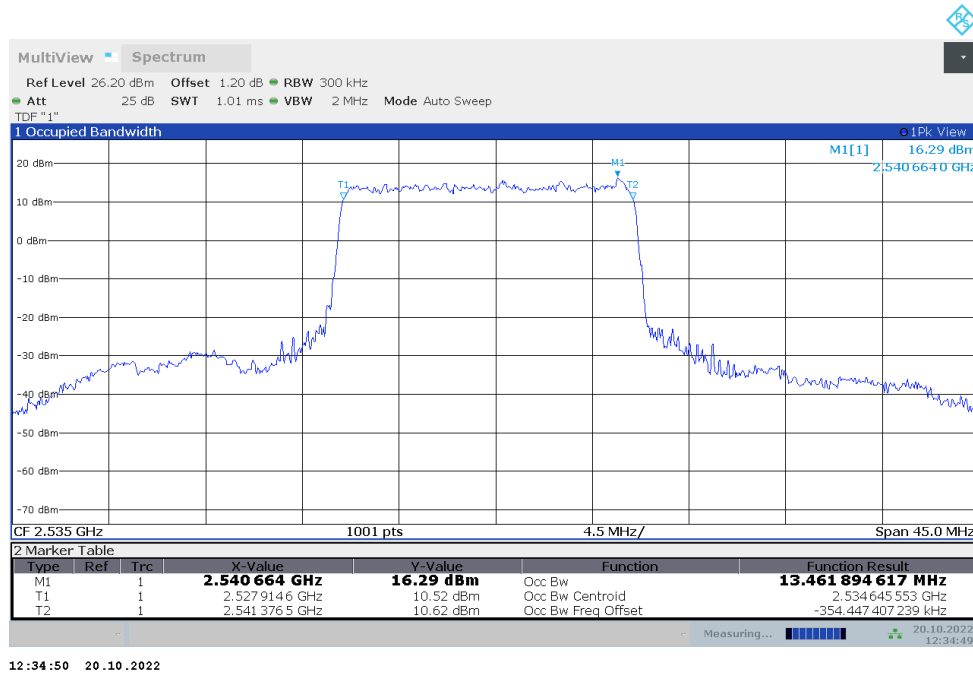
n7,10MHz Bandwidth,DFT-s-QPSK (99% BW)



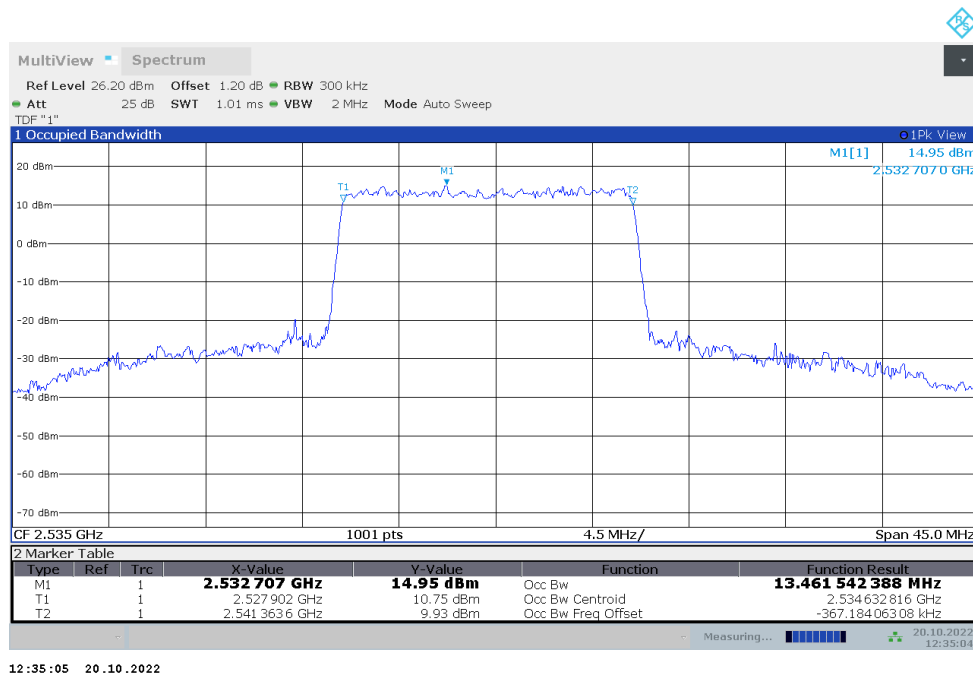
n7,15MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2535	13.462	13.462

n7,15MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



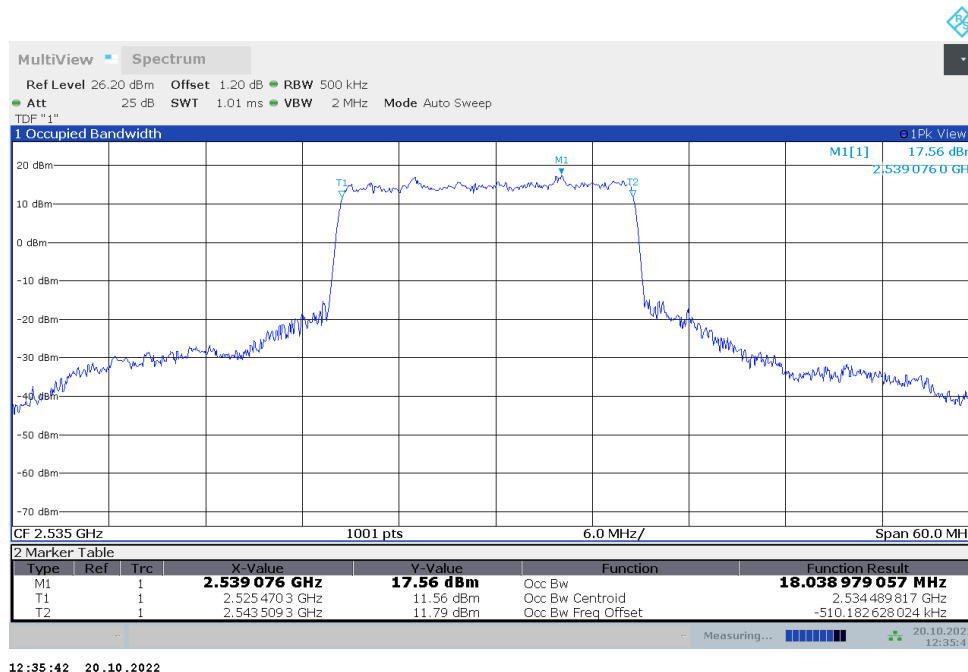
n7,15MHz Bandwidth,DFT-s-QPSK (99% BW)



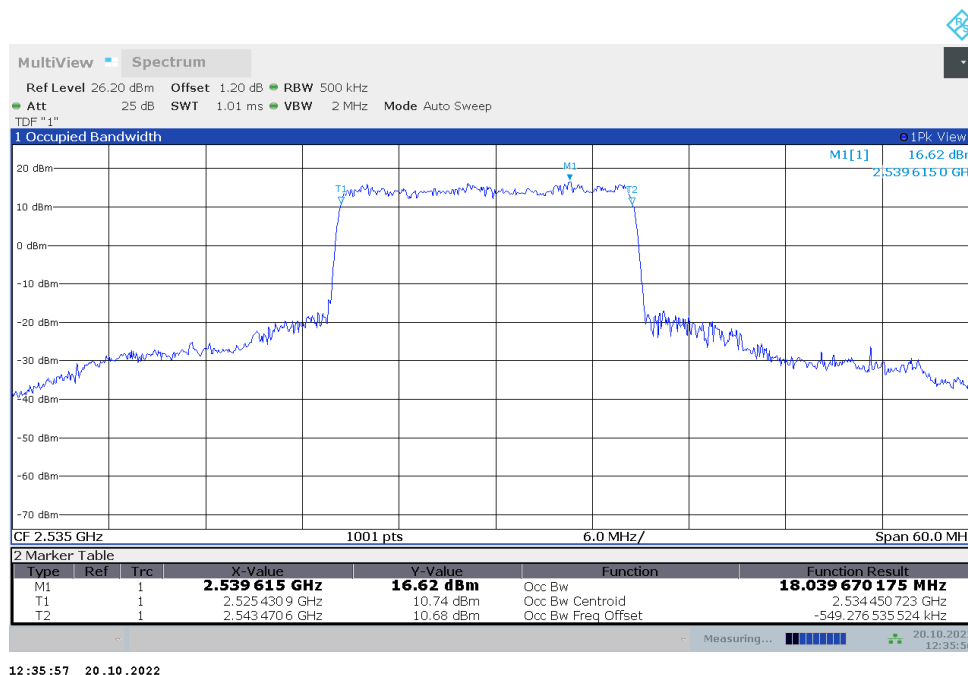
n7,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2535	18.039	18.040

n7,20MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n7,20MHz Bandwidth,DFT-s-QPSK (99% BW)

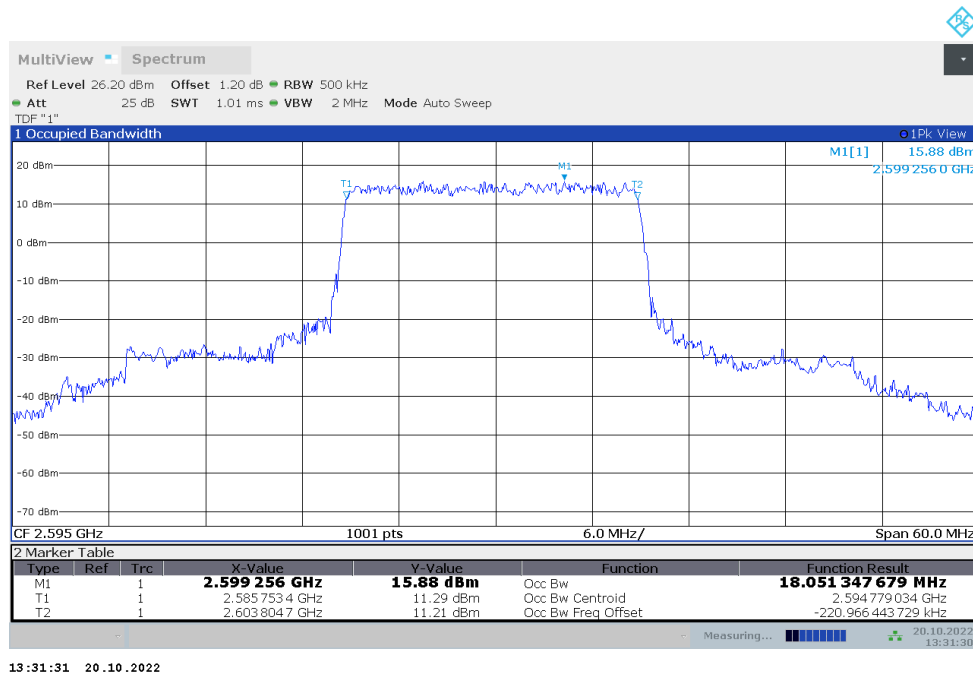


n38

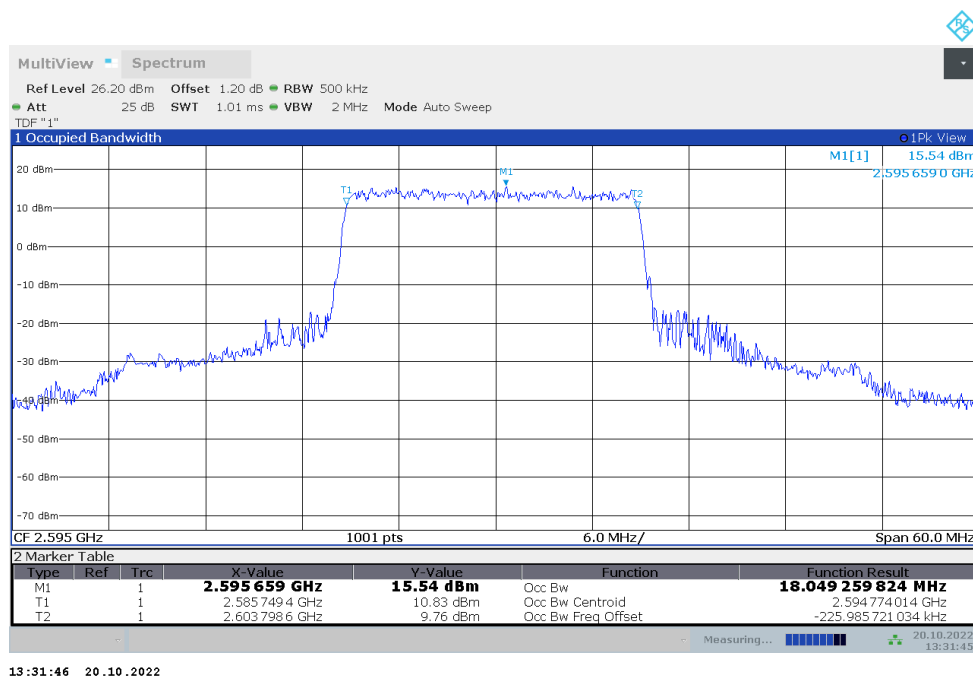
n38,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2595	18.051	18.049

n38,20MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n38,20MHz Bandwidth,DFT-s-QPSK (99% BW)

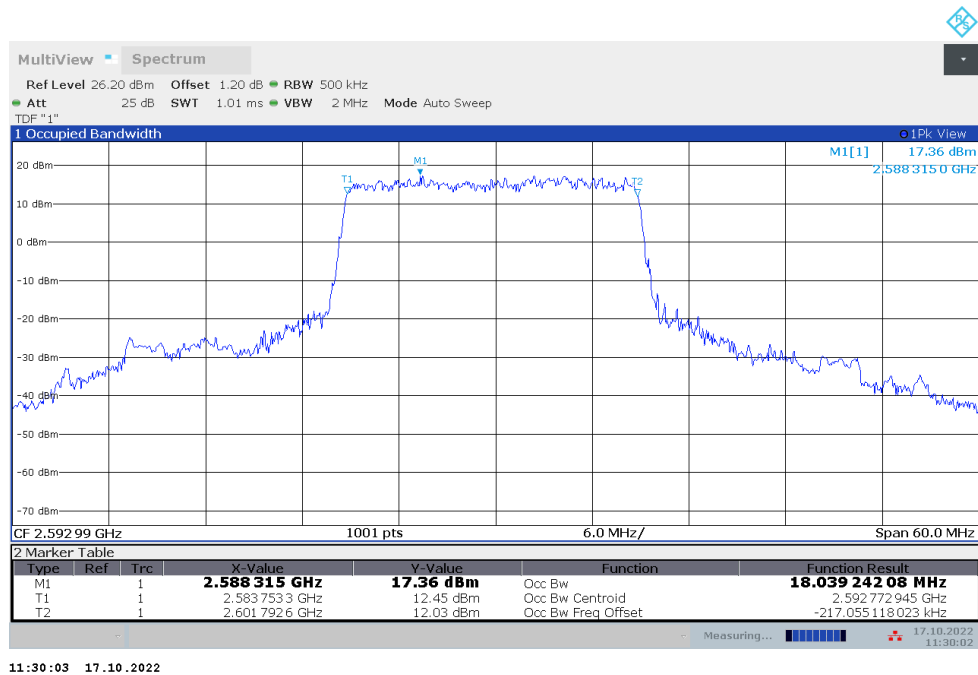


n41

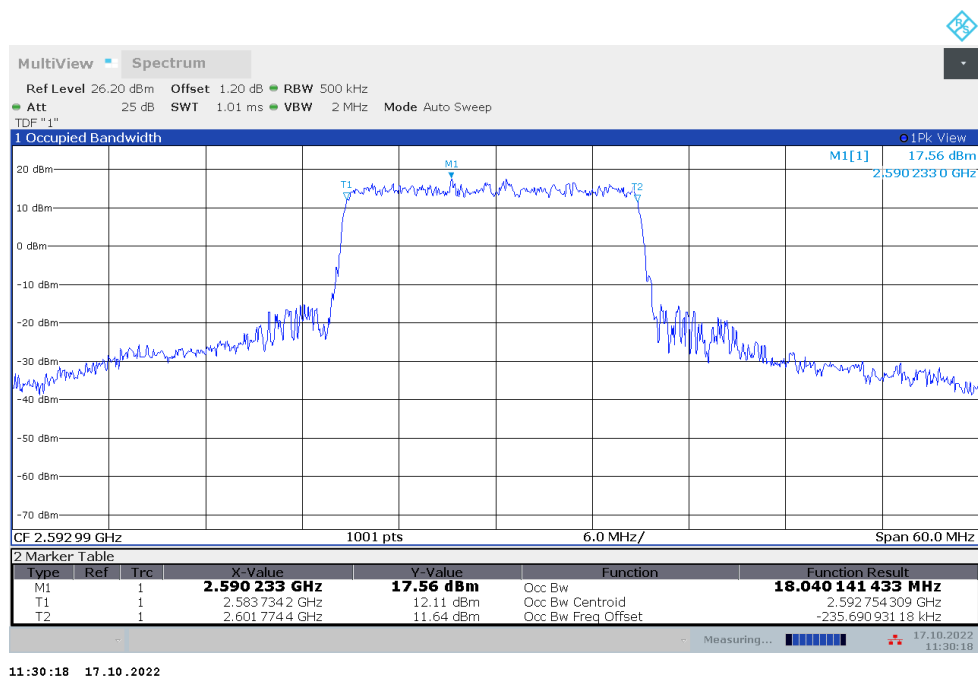
n41,20MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	18.039	18.040

n41,20MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



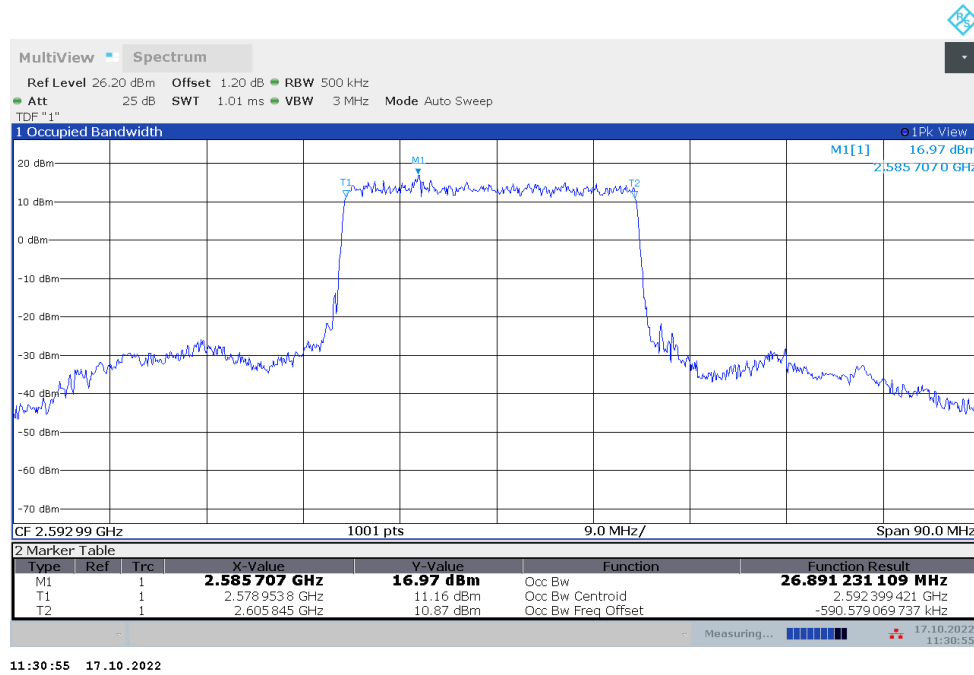
n41,20MHz Bandwidth,DFT-s-QPSK (99% BW)



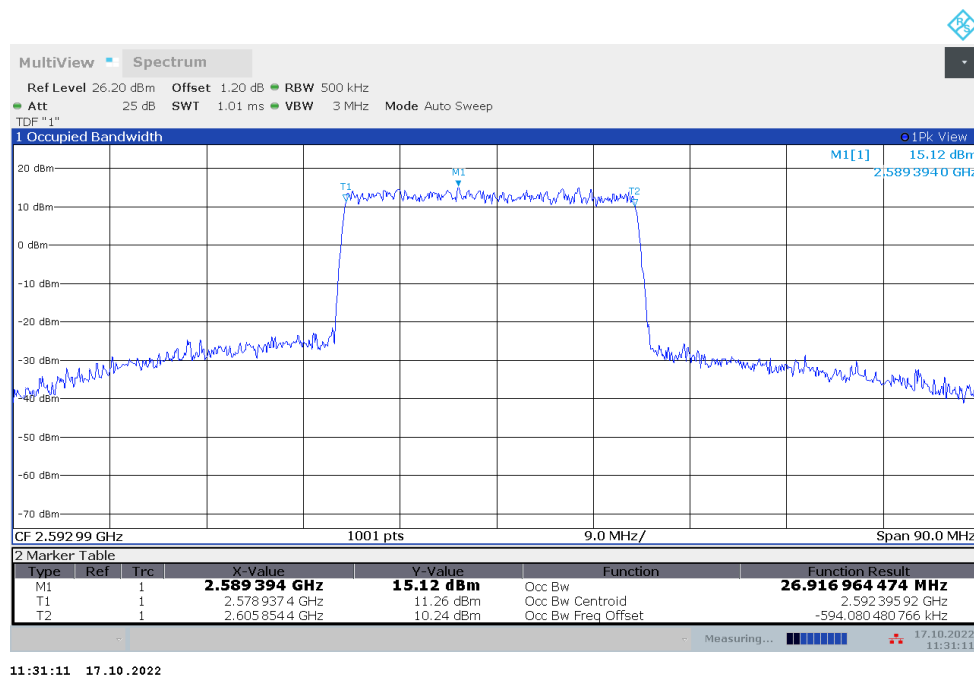
n41,30MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	26.891	26.917

n41,30MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



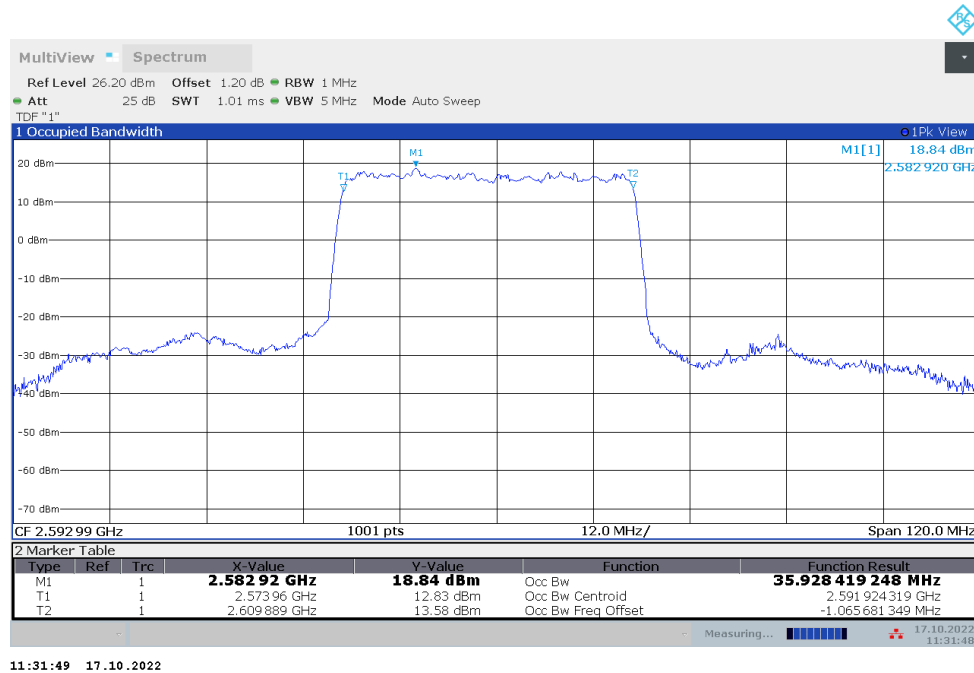
n41,30MHz Bandwidth,DFT-s-QPSK (99% BW)



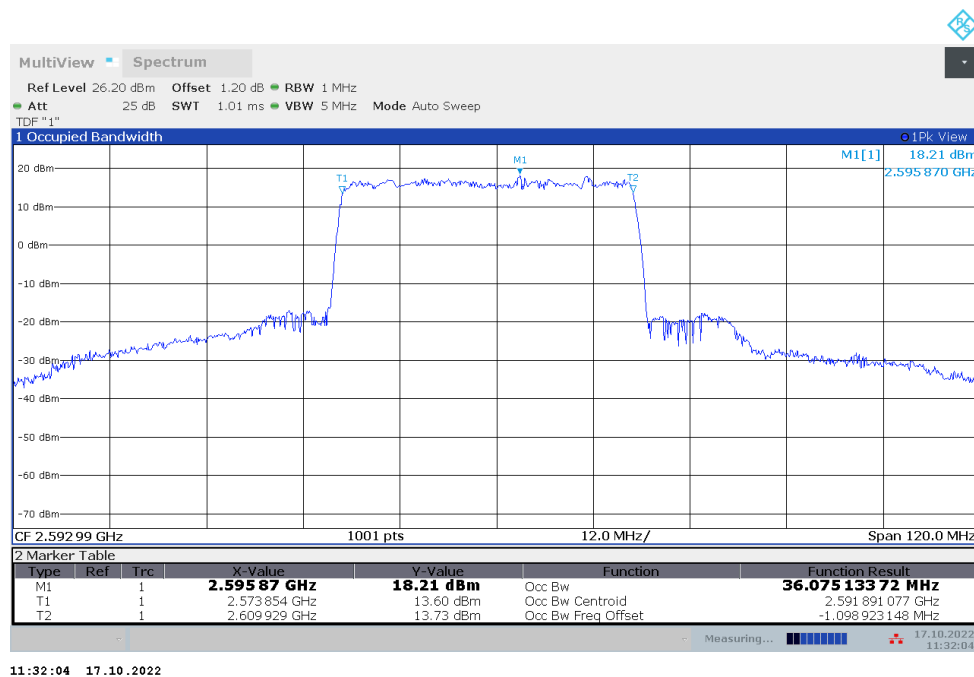
n41,40MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	35.928	36.075

n41,40MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



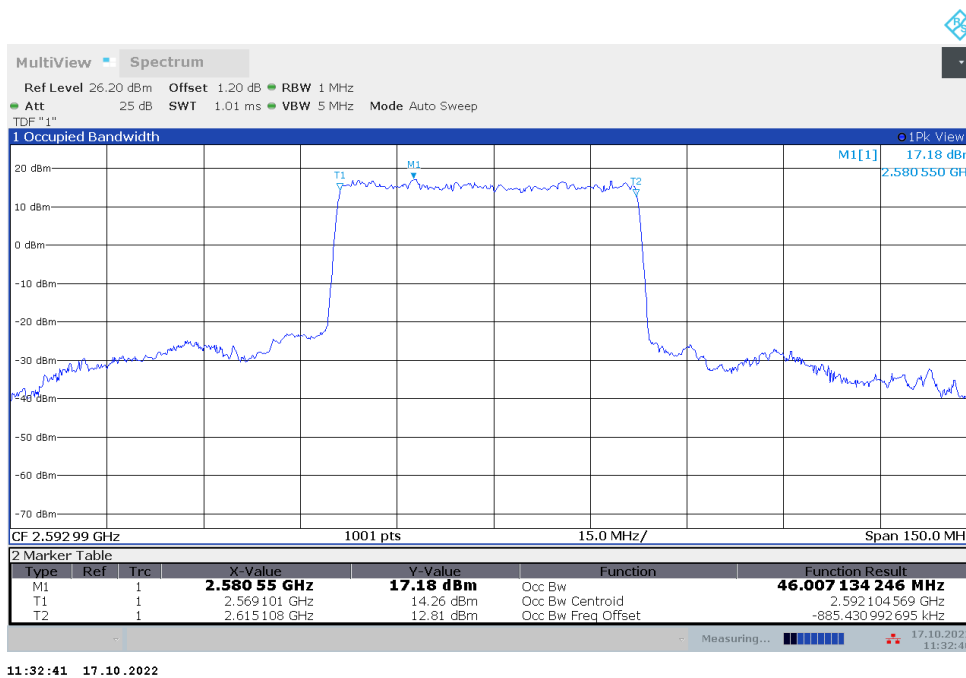
n41,40MHz Bandwidth,DFT-s-QPSK (99% BW)



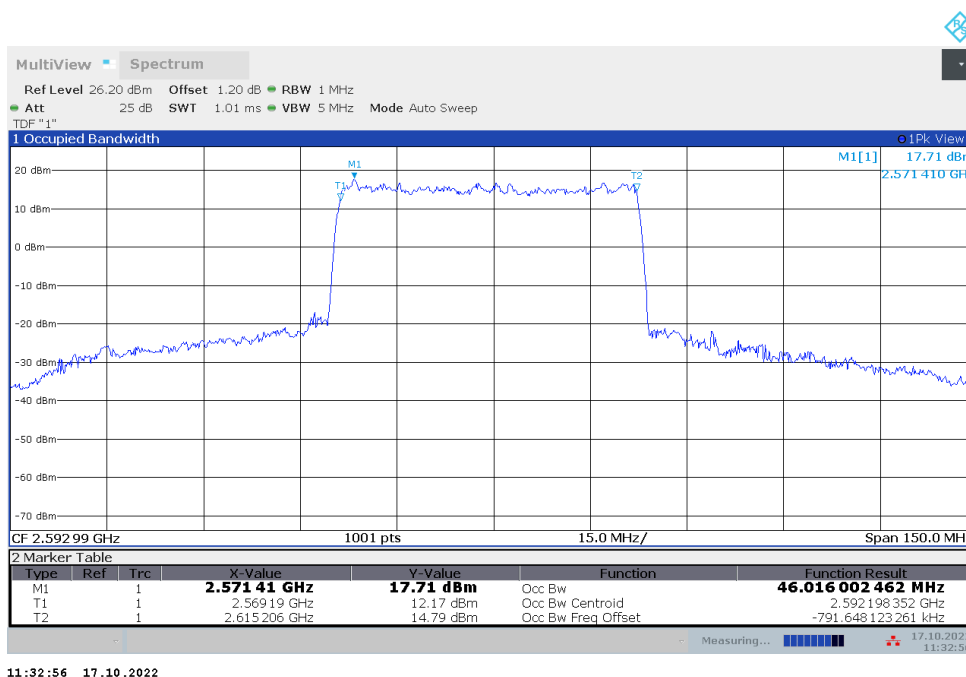
n41,50MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	46.007	46.016

n41,50MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



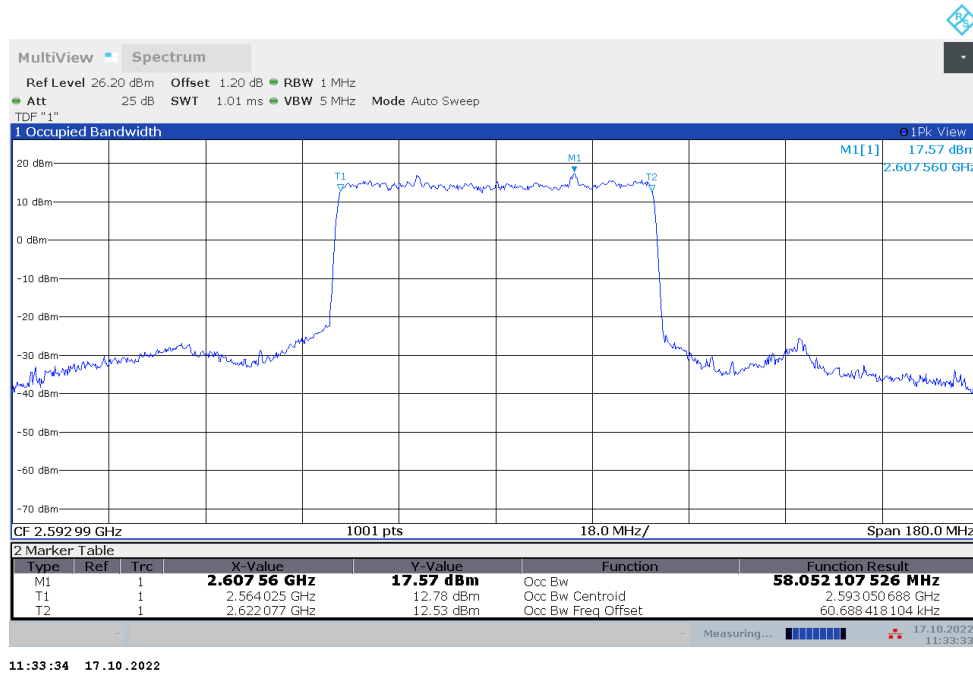
n41,50MHz Bandwidth,DFT-s-QPSK (99% BW)



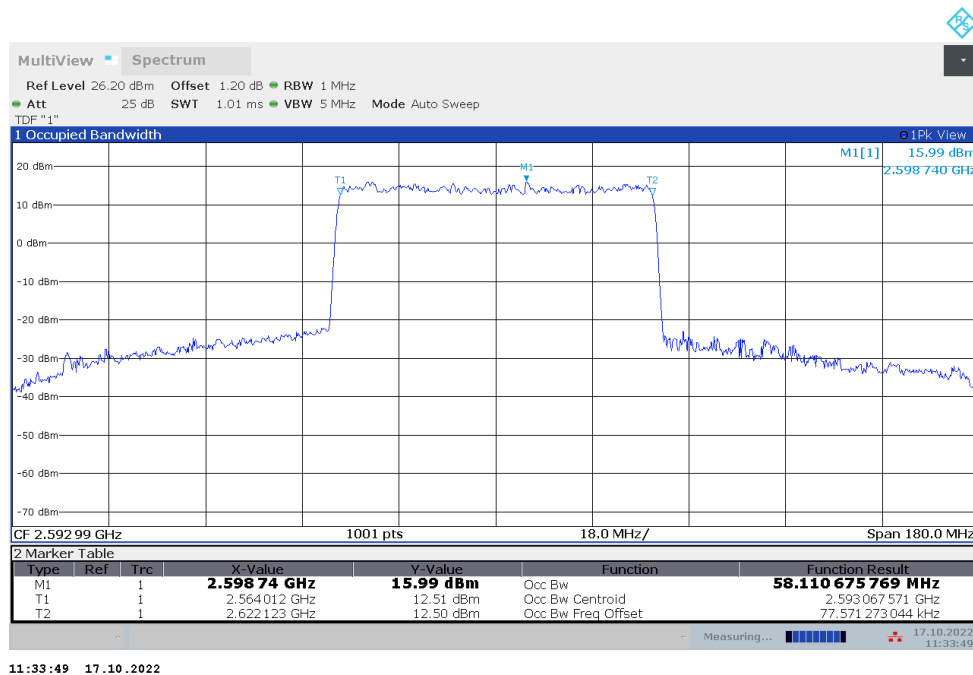
n41,60MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	58.052	58.111

n41,60MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



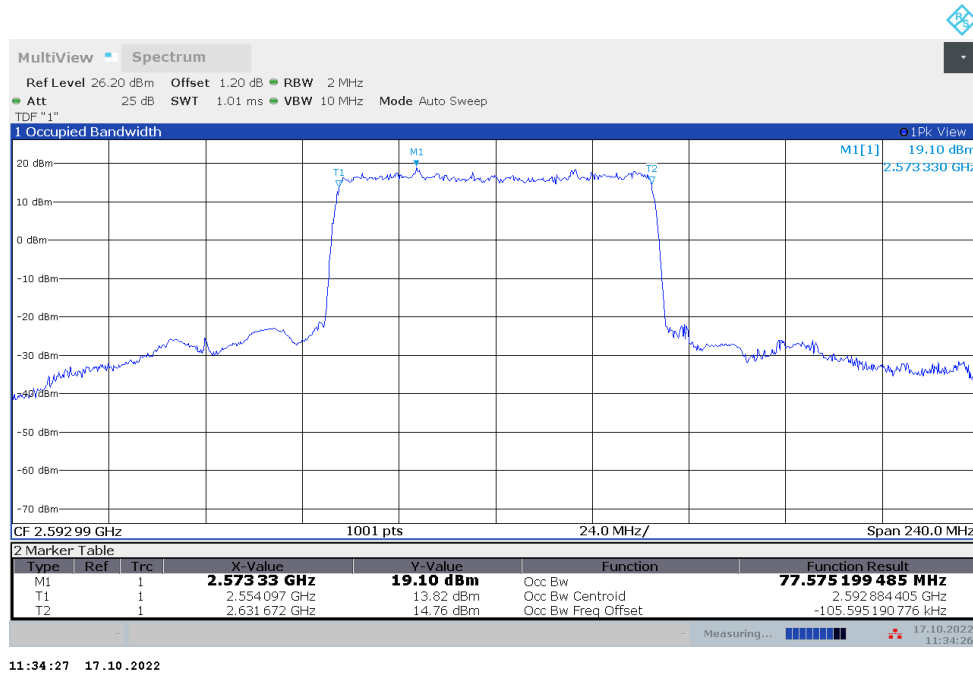
n41,60MHz Bandwidth,DFT-s-QPSK (99% BW)



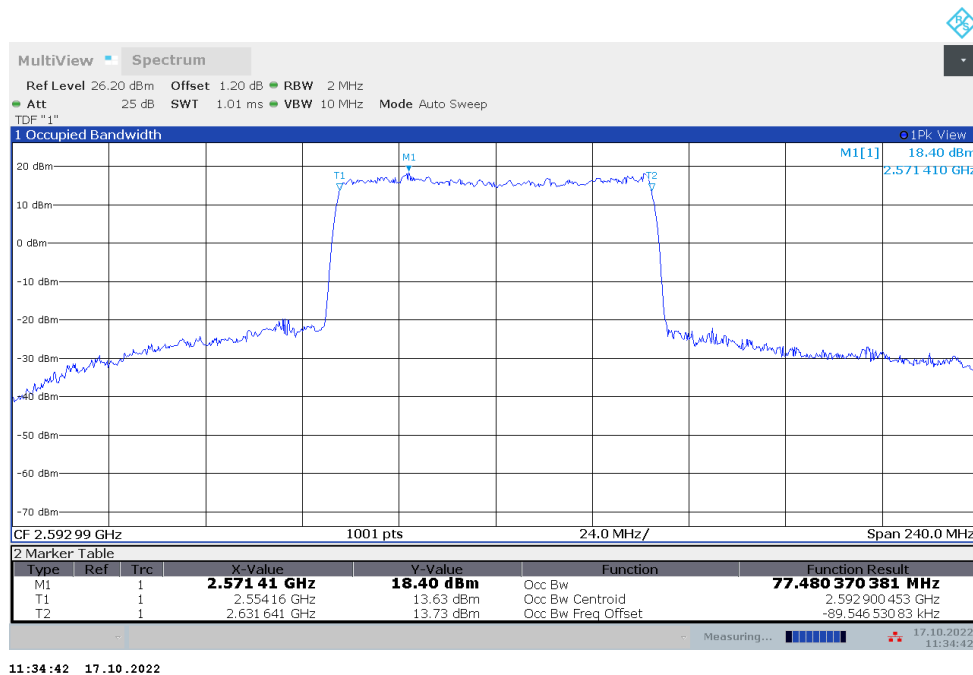
n41,80MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	77.575	77.480

n41,80MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



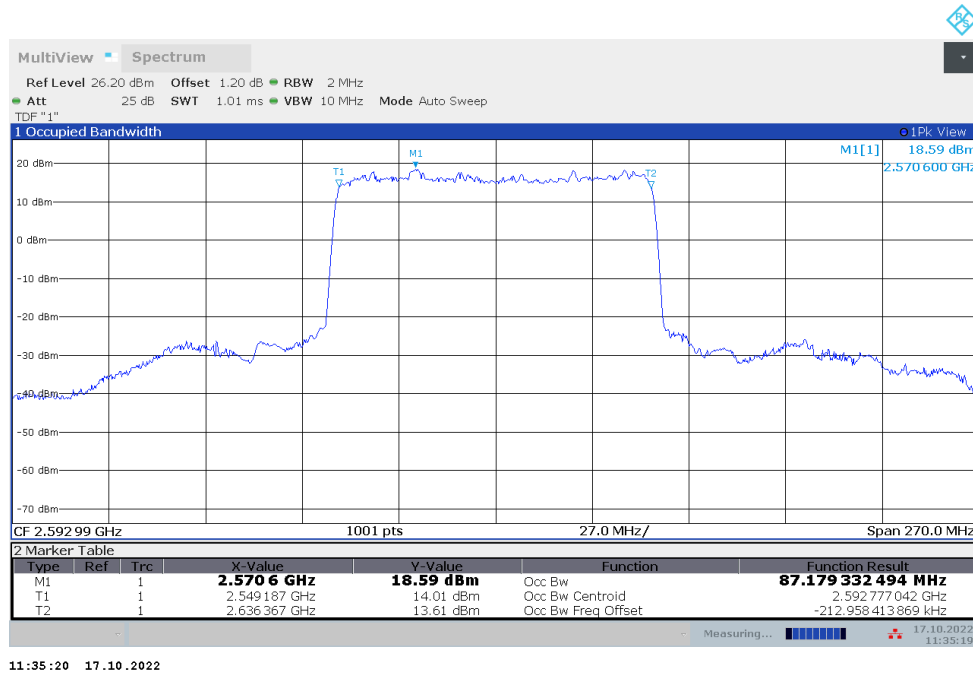
n41,80MHz Bandwidth,DFT-s-QPSK (99% BW)



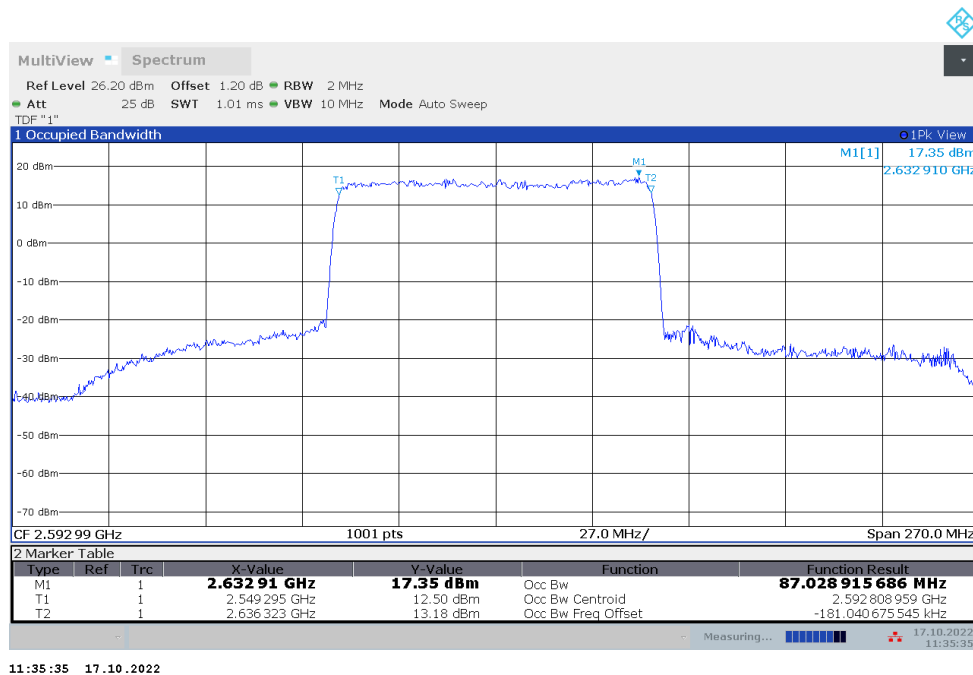
n41,90MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	87.179	87.029

n41,90MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



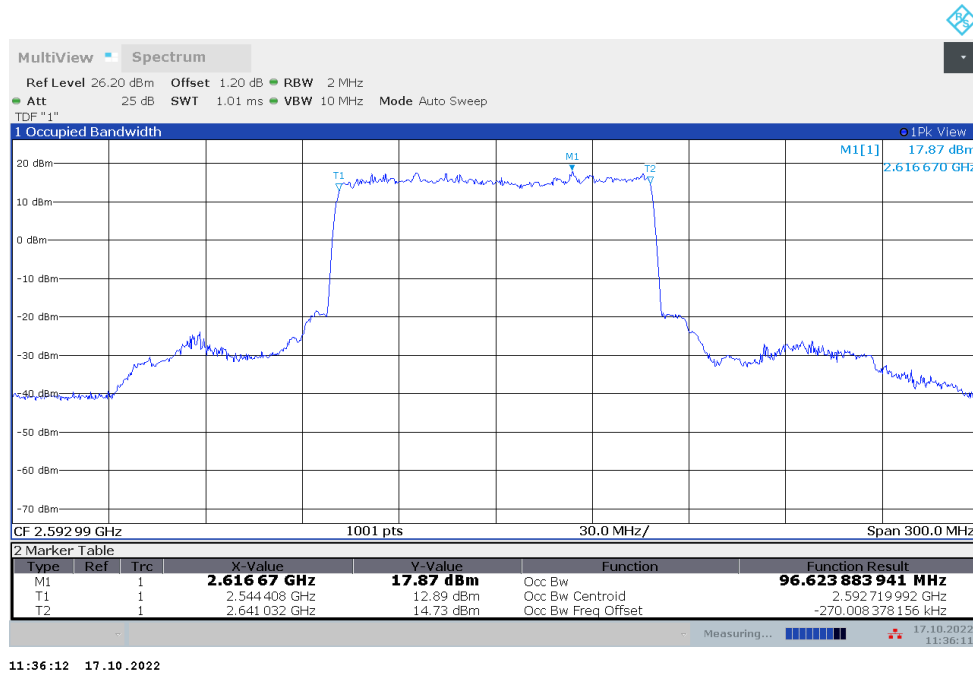
n41,90MHz Bandwidth,DFT-s-QPSK (99% BW)



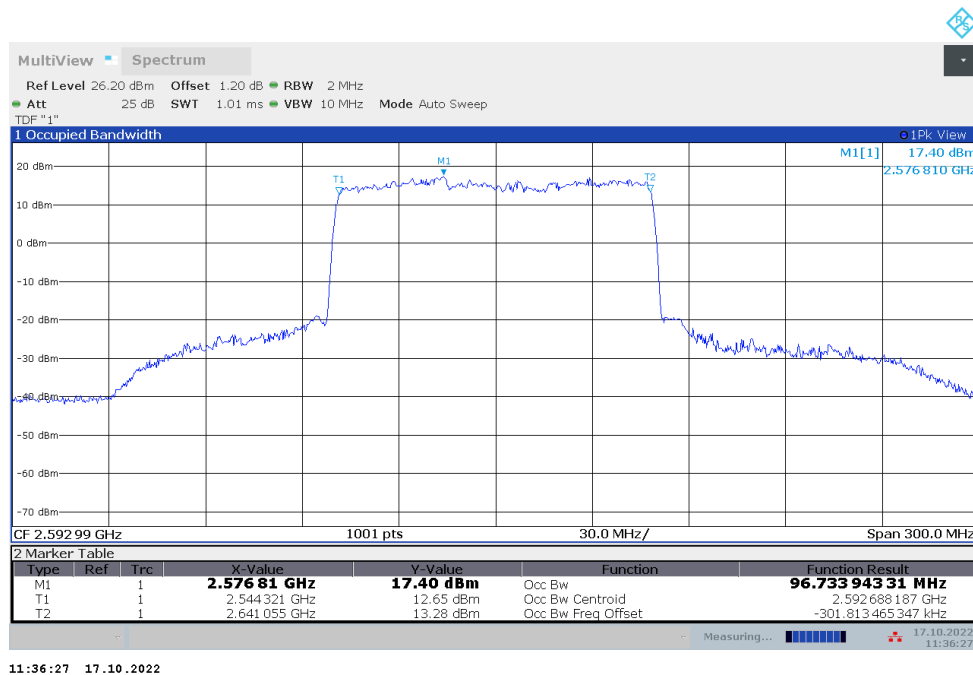
n41,100MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	96.624	96.734

n41,100MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n41,100MHz Bandwidth,DFT-s-QPSK (99% BW)

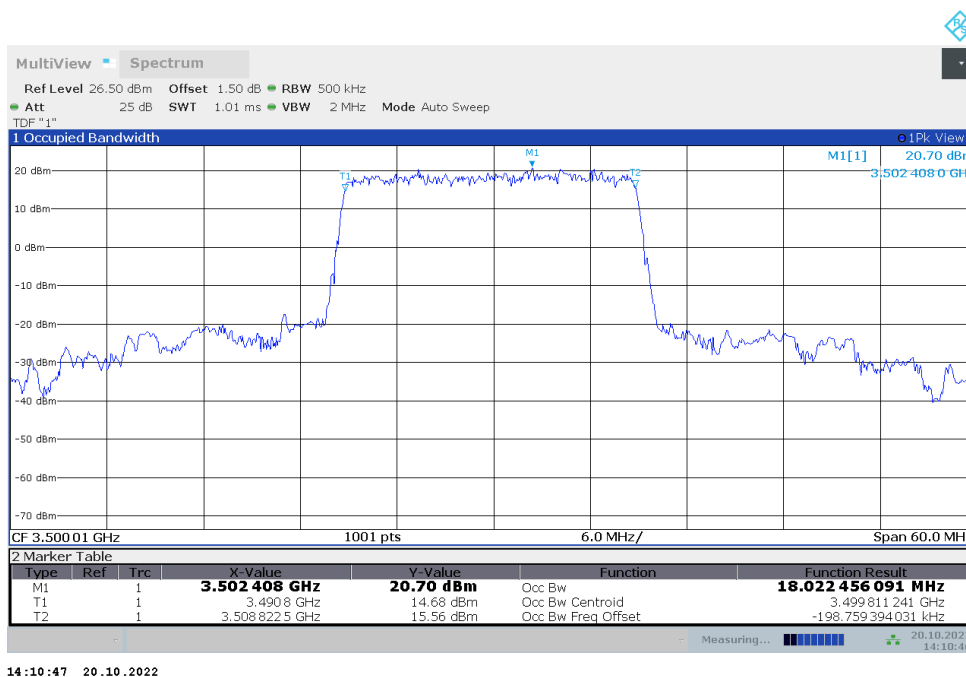


n78L

n78L,20MHz(99%)

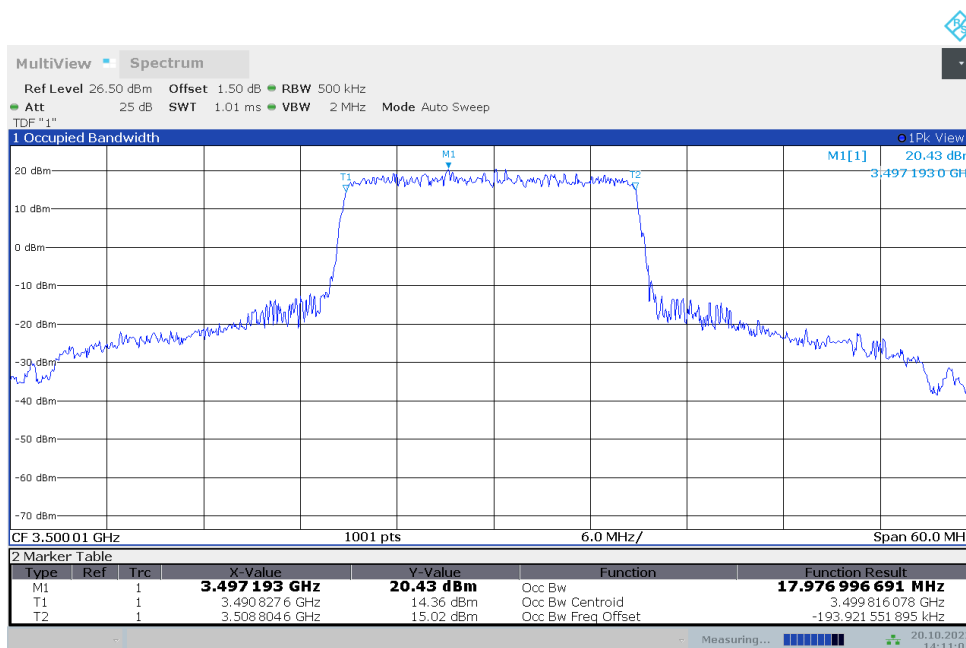
Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	18.022	17.977

n78L,20MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



14:10:47 20.10.2022

n78L,20MHz Bandwidth,DFT-s-QPSK (99% BW)

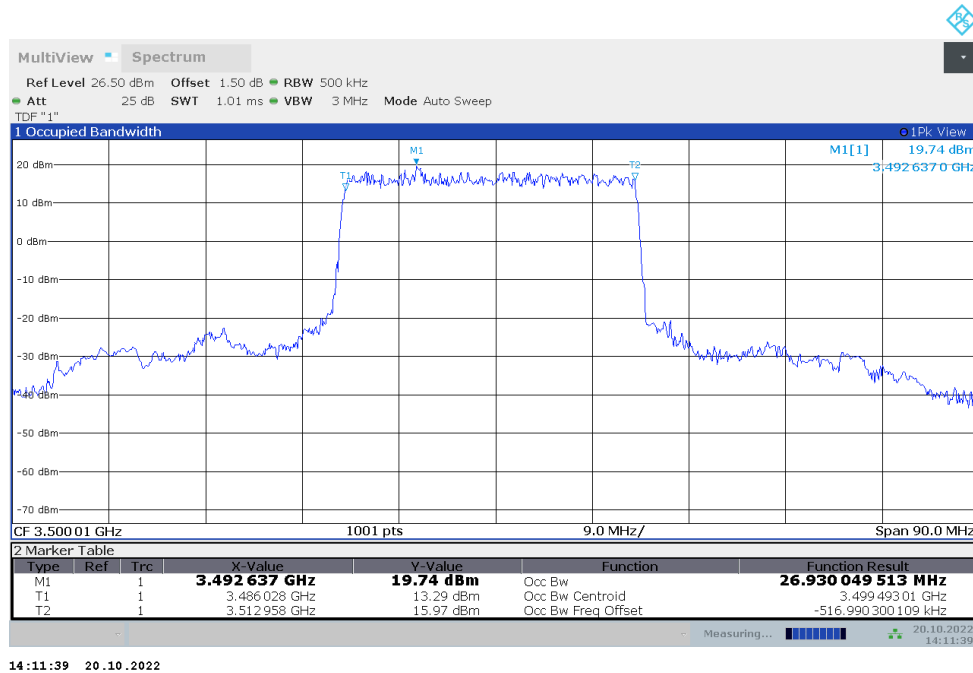


14:11:02 20.10.2022

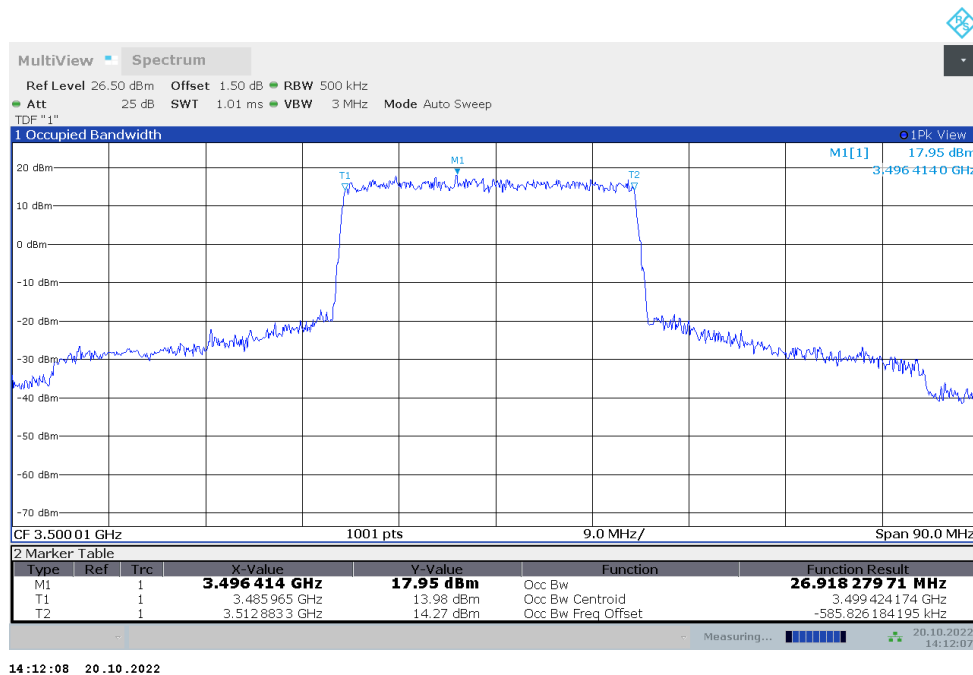
n78L,30MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	26.930	26.918

n78L,30MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



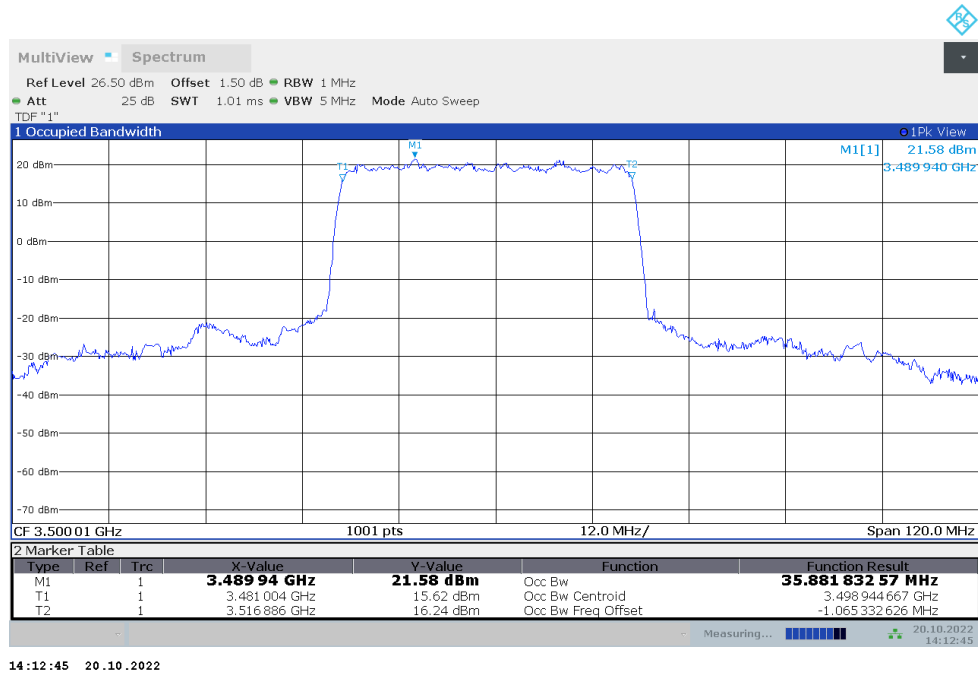
n78L,30MHz Bandwidth,DFT-s-QPSK (99% BW)



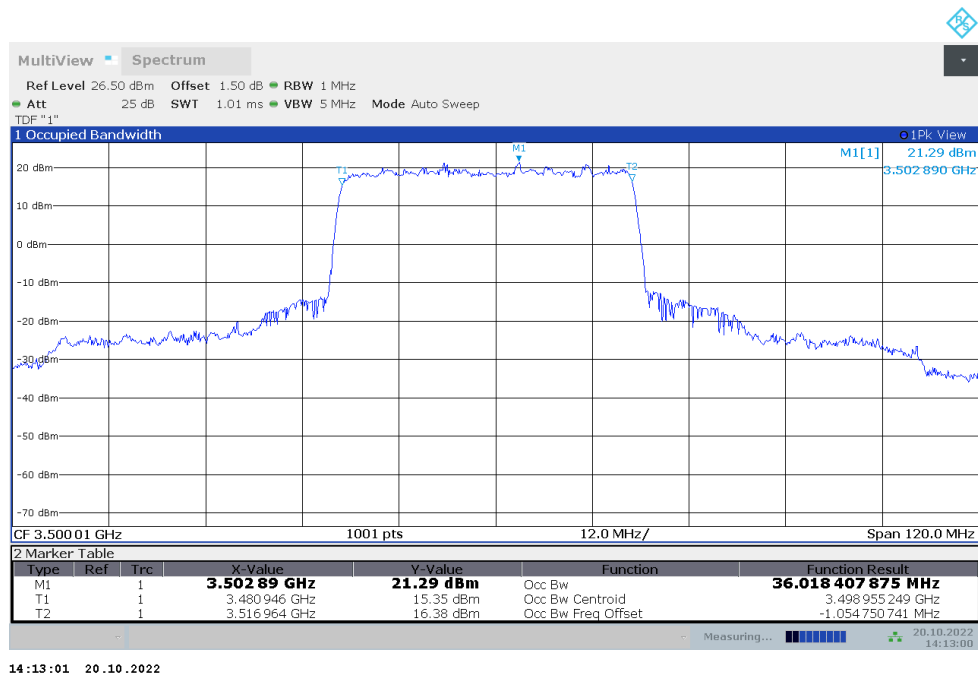
n78L,40MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	35.882	36.018

n78L,40MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



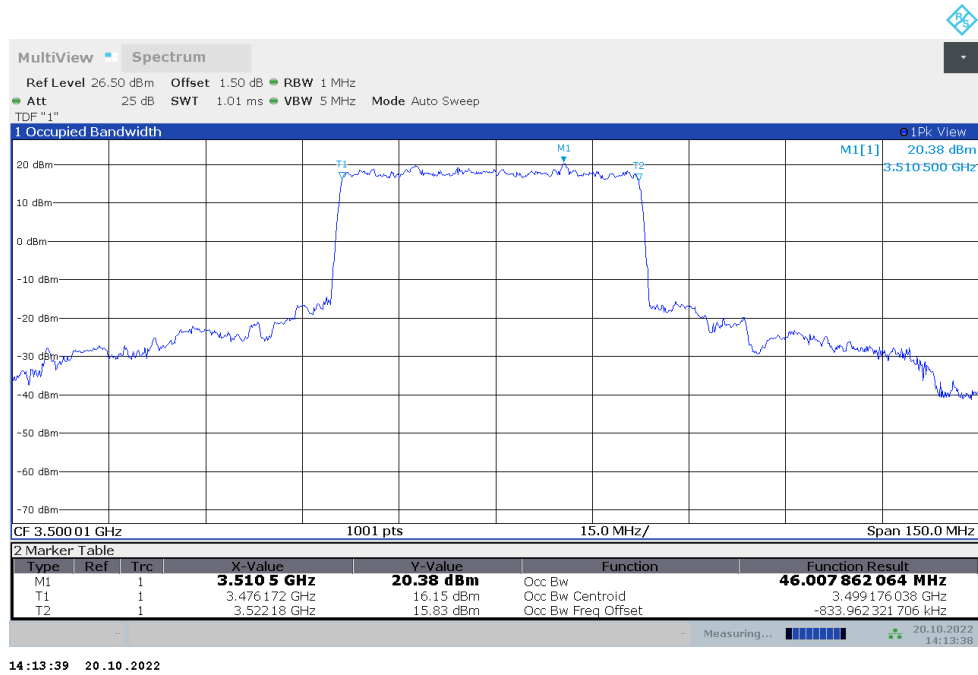
n78L,40MHz Bandwidth,DFT-s-QPSK (99% BW)



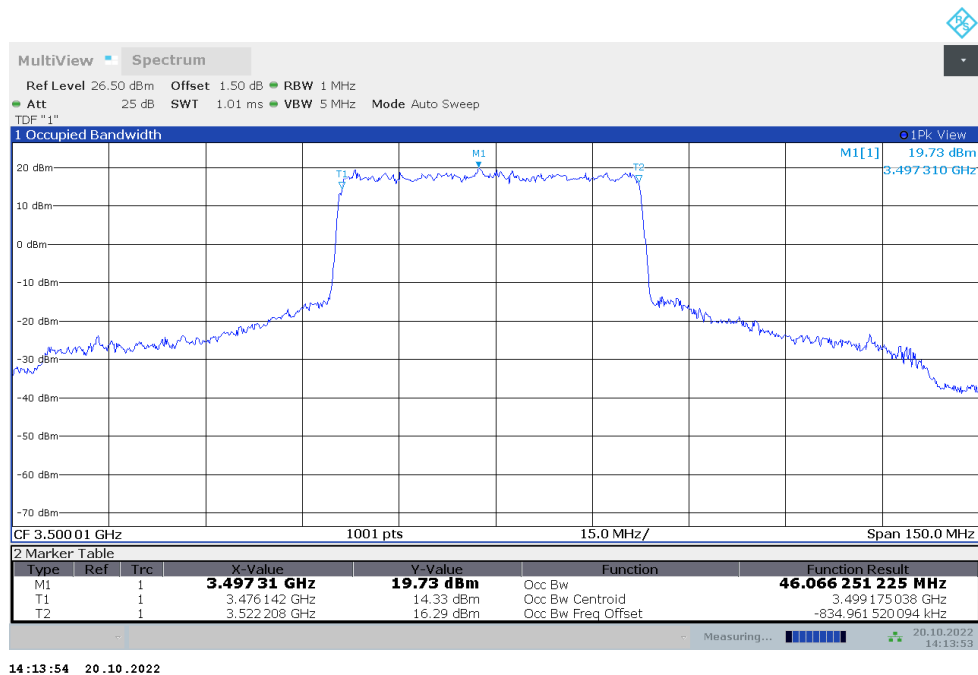
n78L,50MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	46.008	46.066

n78L,50MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



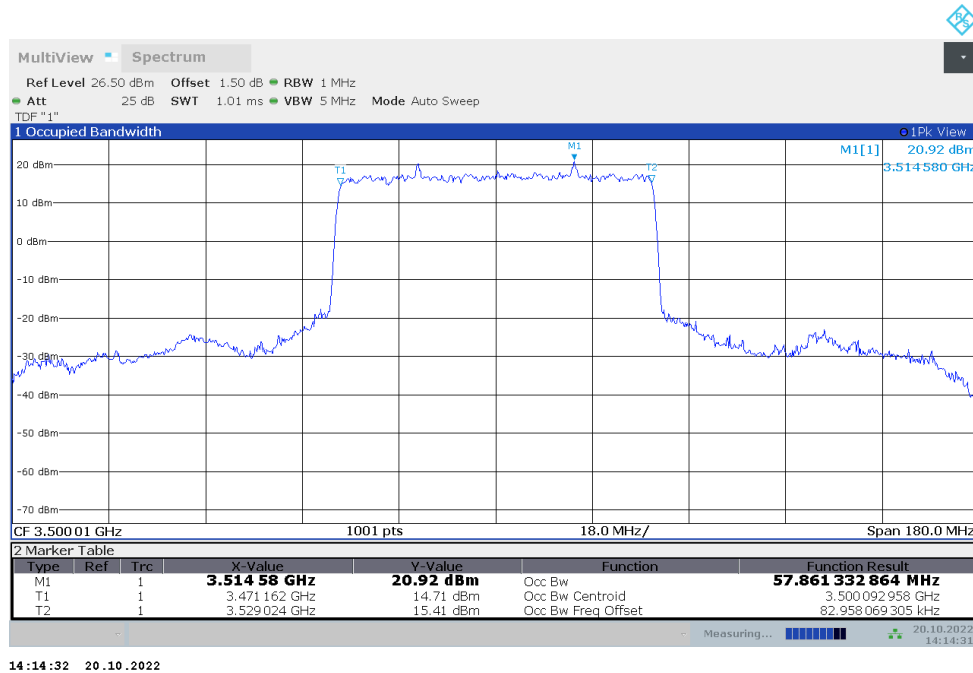
n78L,50MHz Bandwidth,DFT-s-QPSK (99% BW)



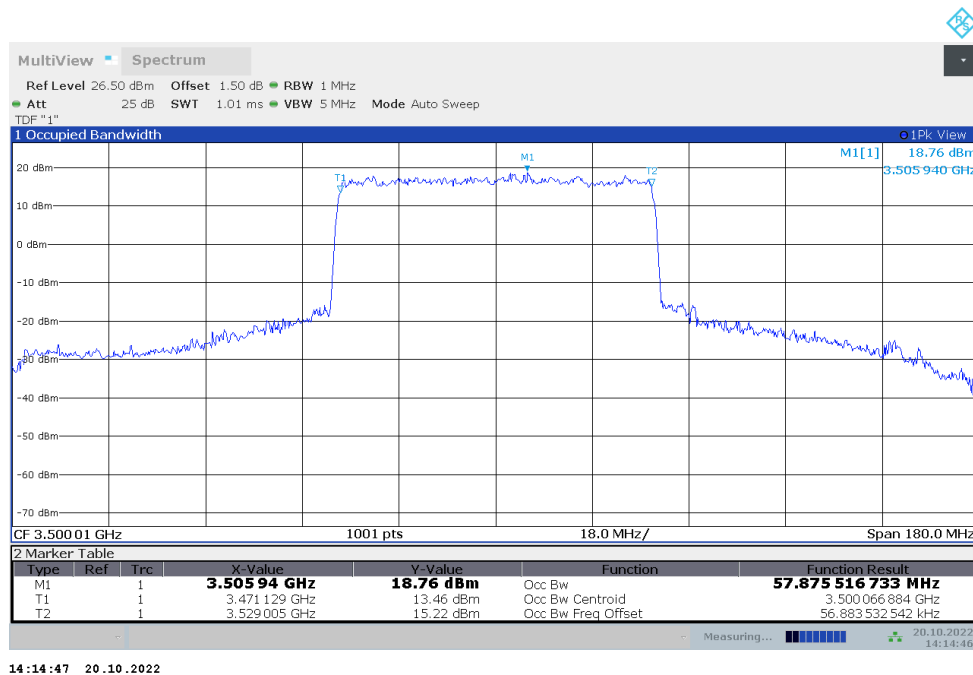
n78L,60MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	57.861	57.876

n78L,60MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



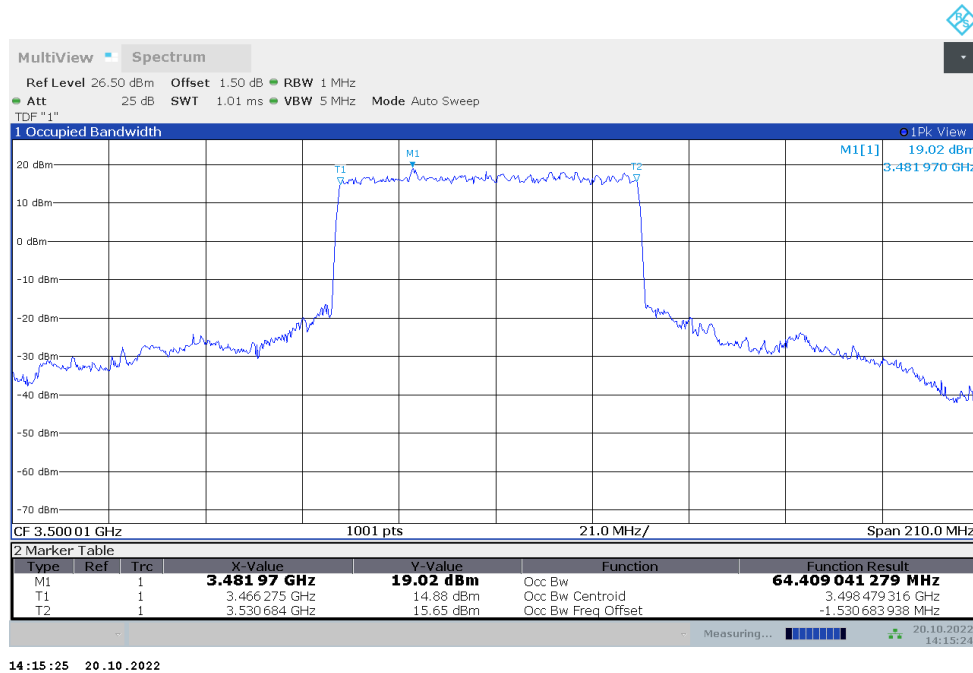
n78L,60MHz Bandwidth,DFT-s-QPSK (99% BW)



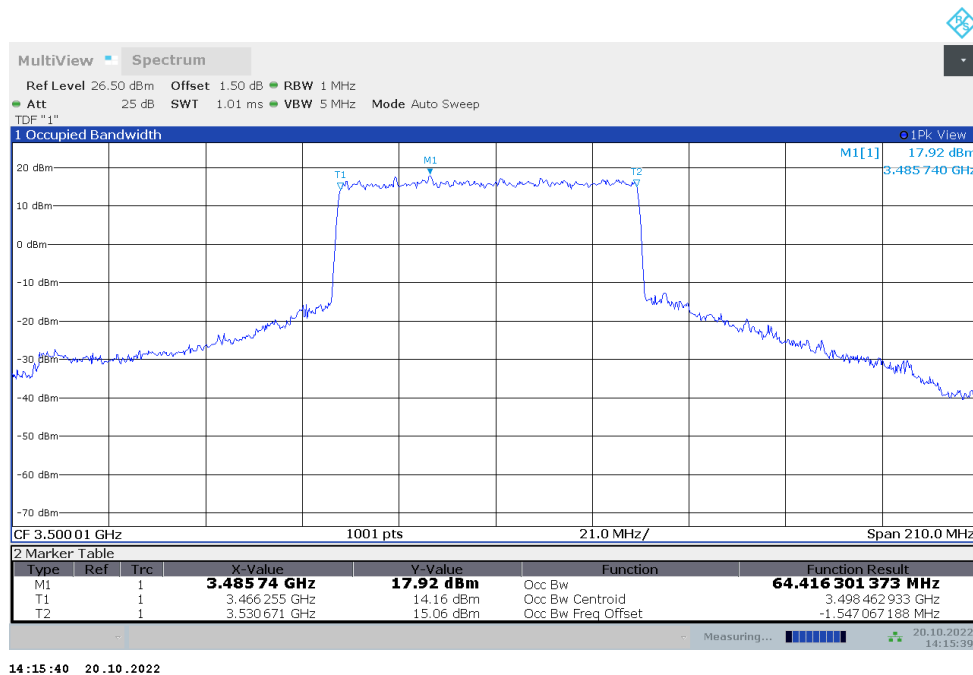
n78L,70MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	64.409	64.416

n78L,70MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



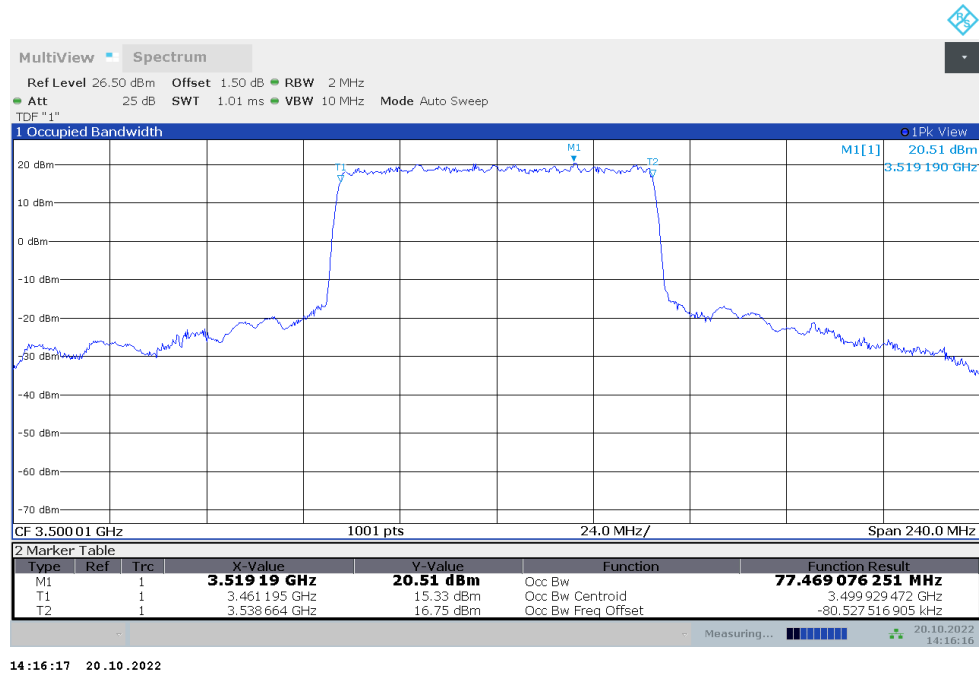
n78L,70MHz Bandwidth,DFT-s-QPSK (99% BW)



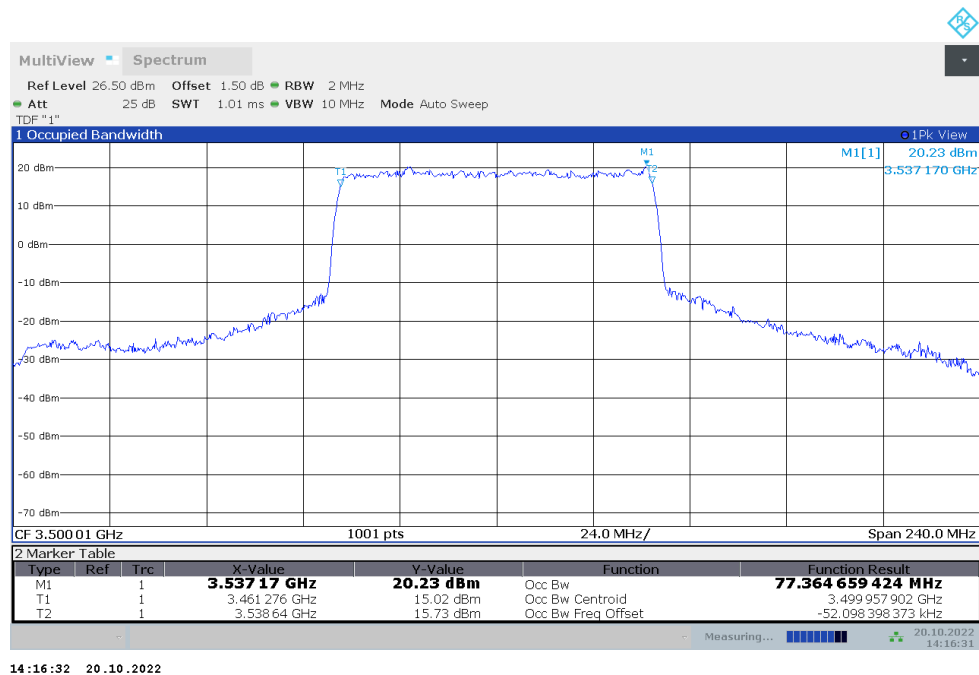
n78L,80MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	77.469	77.365

n78L,80MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



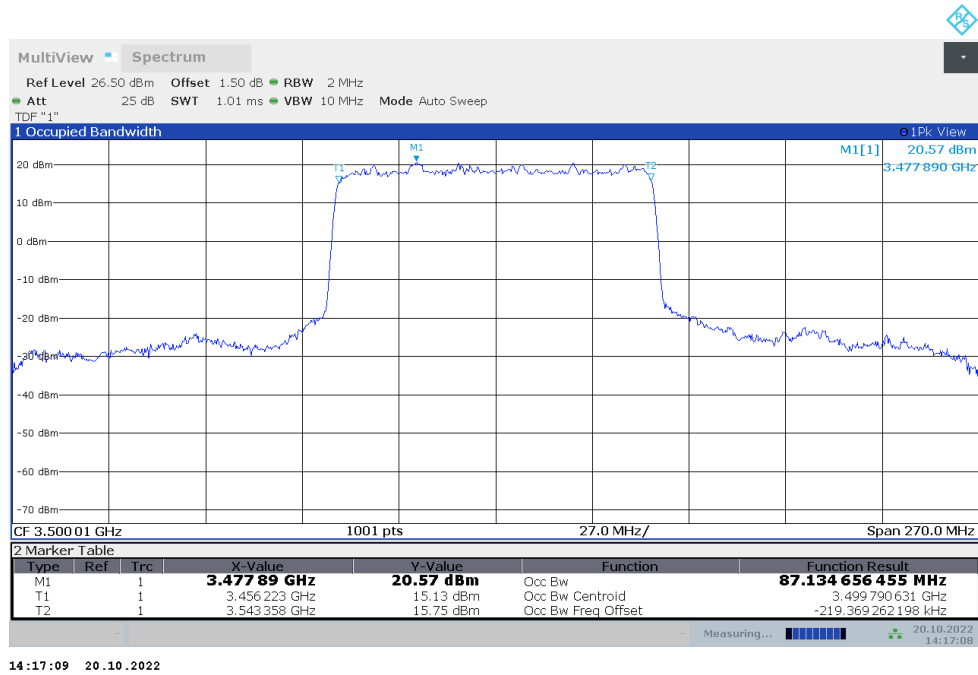
n78L,80MHz Bandwidth,DFT-s-QPSK (99% BW)



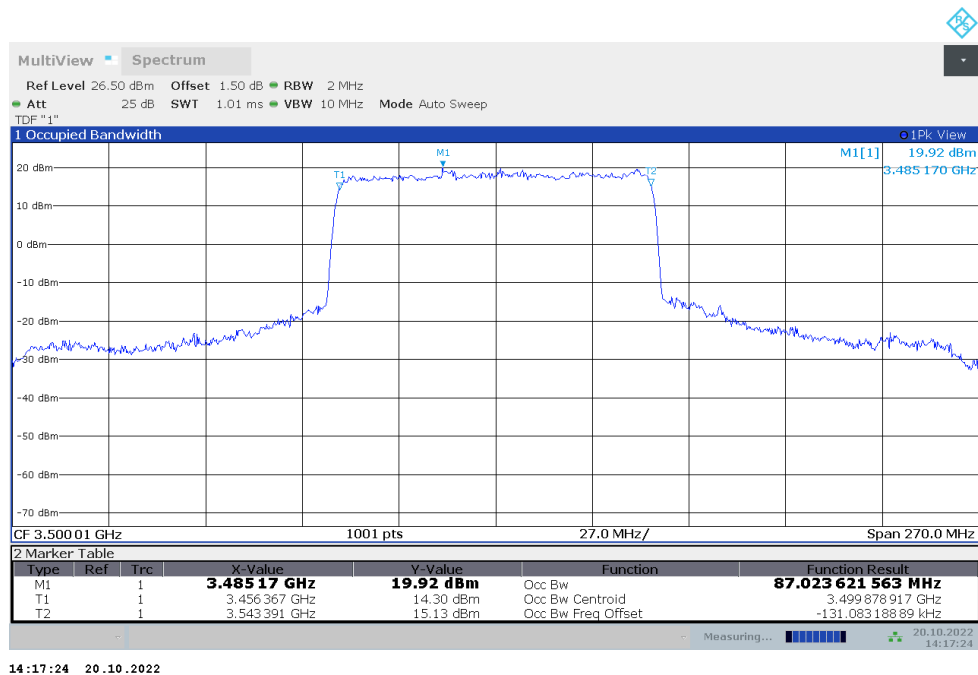
n78L,90MHz(99%)

Frequency (MHz)	Occupied Bandwidth (99%) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	87.135	87.024

n78L,90MHz Bandwidth,DFT-s-pi/2 BPSK (99% BW)



n78L,90MHz Bandwidth,DFT-s-QPSK (99% BW)



Note: The maximum value of expanded measurement uncertainty for this test item is $U = 0.626$ kHz, $k = 2$.

A.5 Emission Bandwidth

The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. Table below lists the measured -26dBc BW. Spectrum analyzer plots are included on the following pages.

The measurement method is from ANSI C63.26:

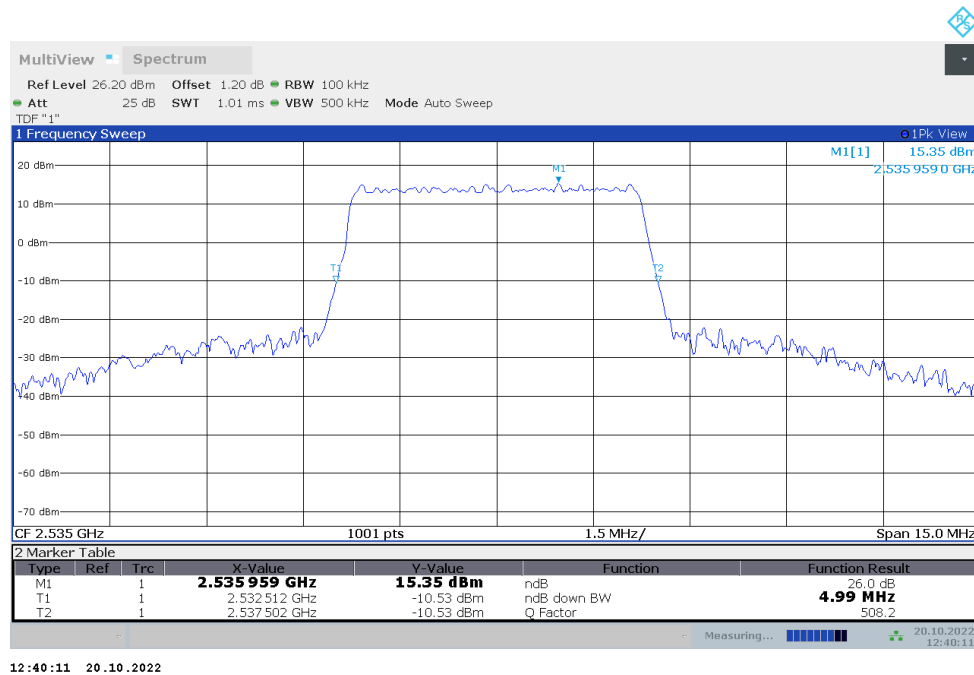
- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be wide enough to see sufficient roll off of the signal to make the measurement.
- b) The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW, and the VBW shall be set $\geq 3 \times \text{RBW}$.
- c) Set the reference level of the instrument as required to prevent the signal amplitude from exceeding the maximum spectrum analyzer input mixer level for linear operation.
- d) The dynamic range of the spectrum analyzer at the selected RBW shall be more than 10 dB below the target “-X dB” requirement, i.e., if the requirement calls for measuring the -26 dB OBW, the spectrum analyzer noise floor at the selected RBW shall be at least 36 dB below the reference level.
- e) Set spectrum analyzer detection mode to peak, and the trace mode to max hold.

n7

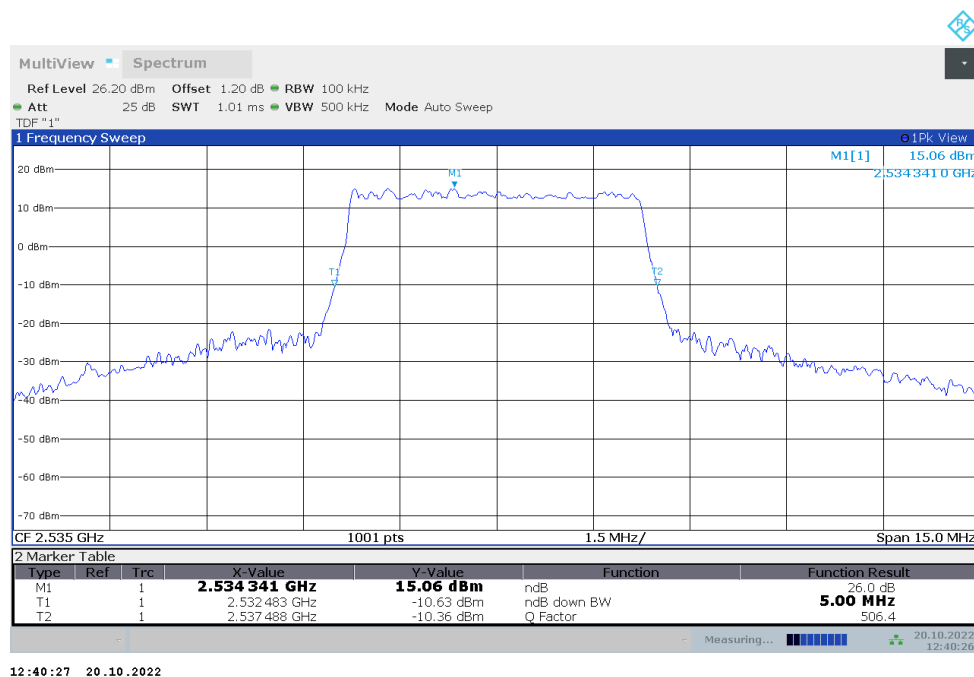
n7,5MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2535	4.990	5.005

n7,5MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



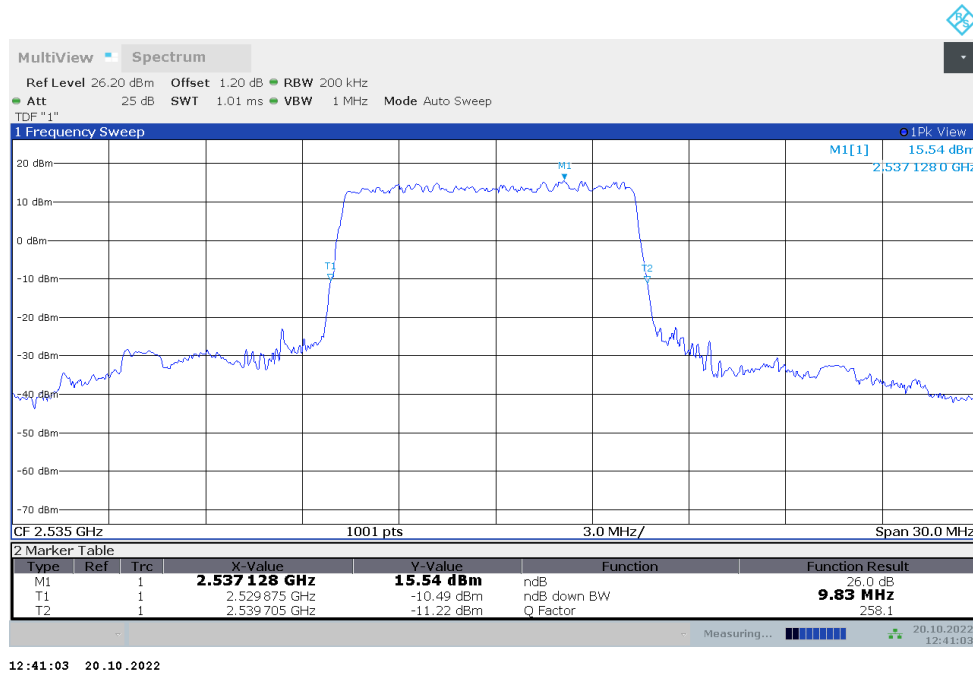
n7,5MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



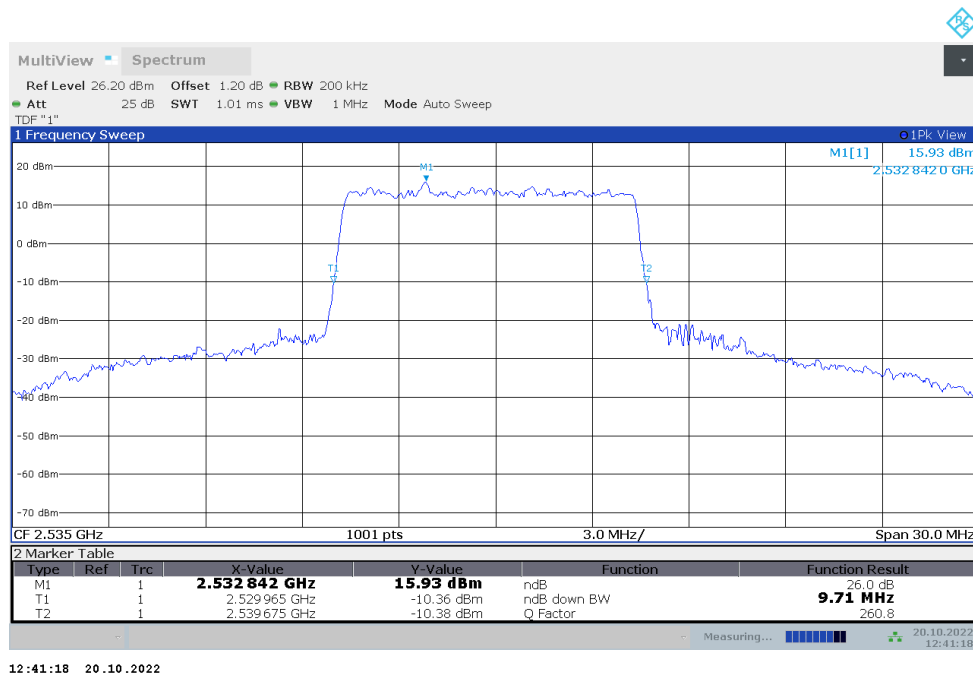
n7,10MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2535	9.830	9.710

n7,10MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



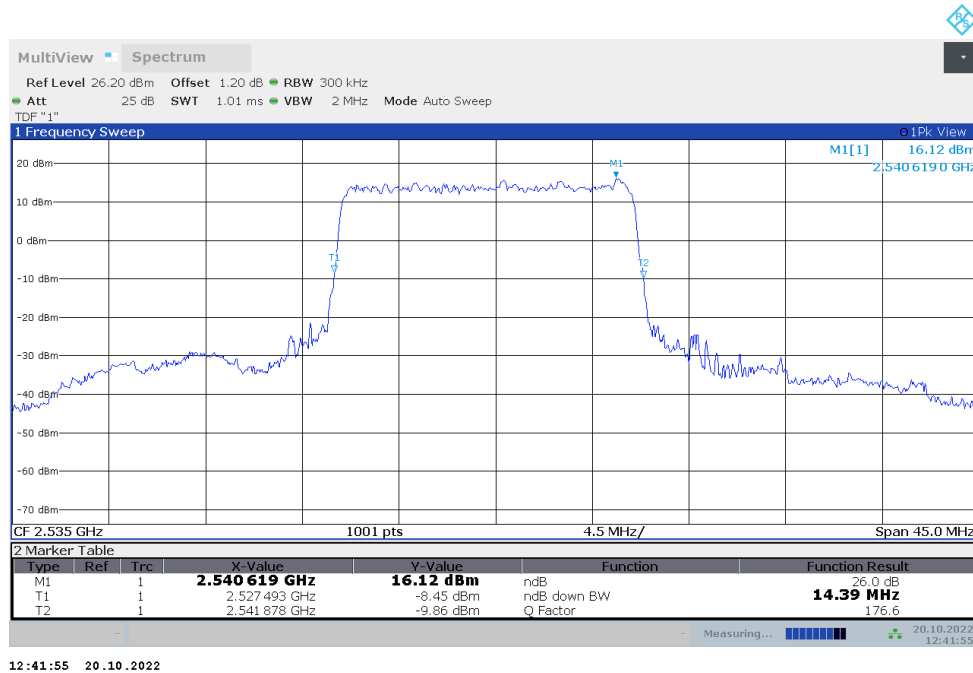
n7,10MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



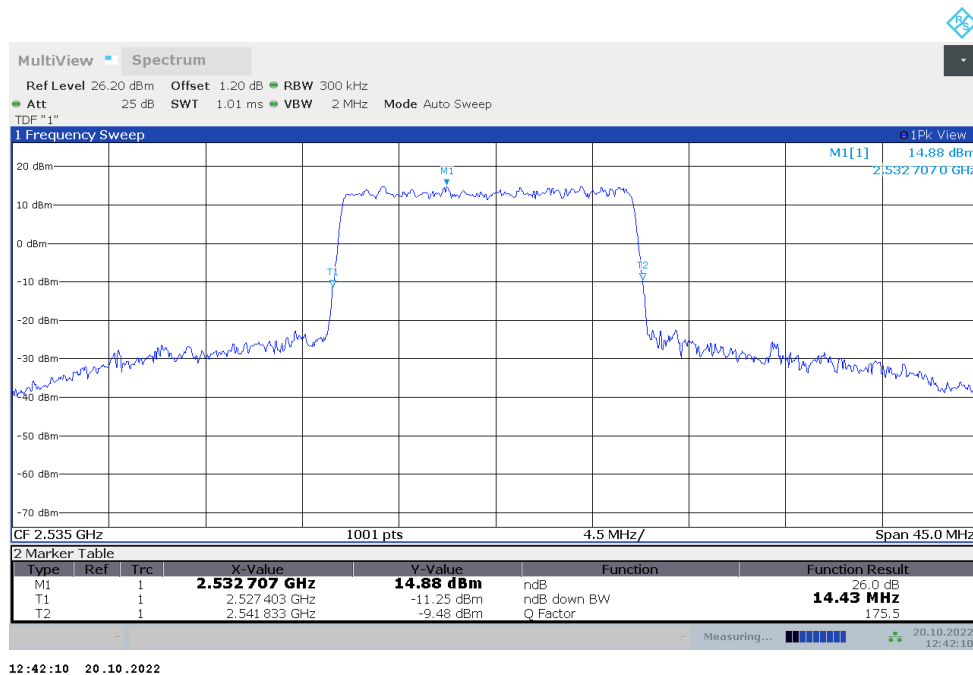
n7,15MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2535	14.386	14.431

n7,15MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



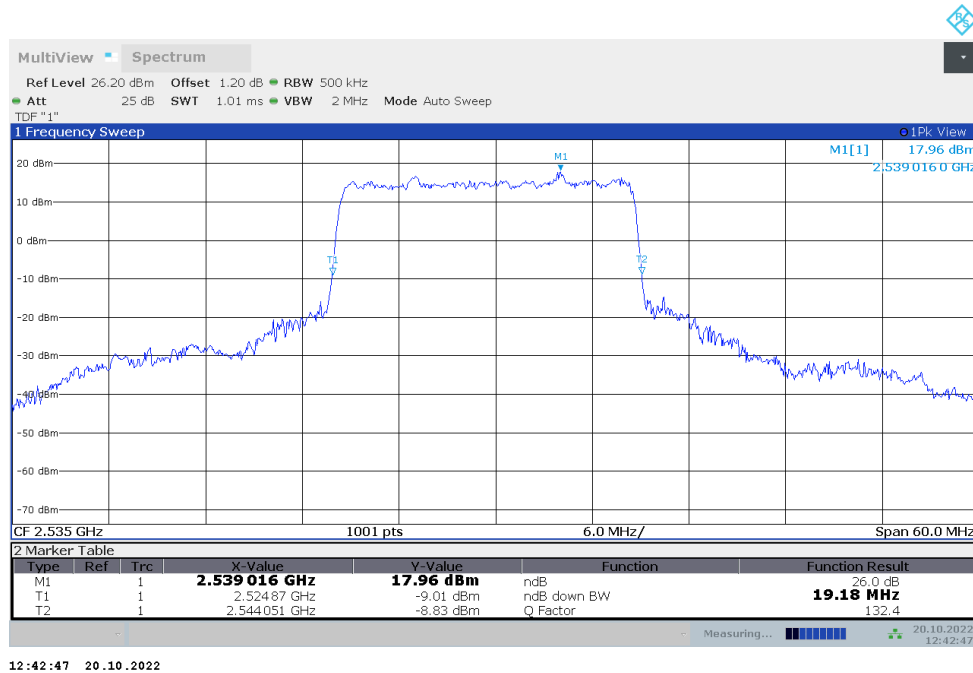
n7,15MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



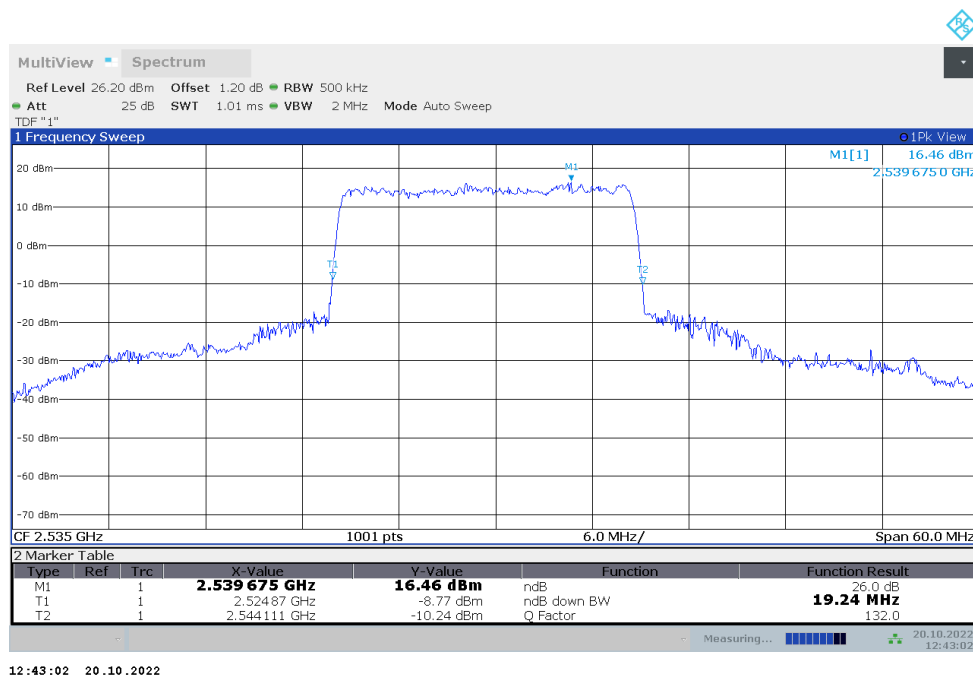
n7,20MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2535	19.181	19.241

n7,20MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n7,20MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

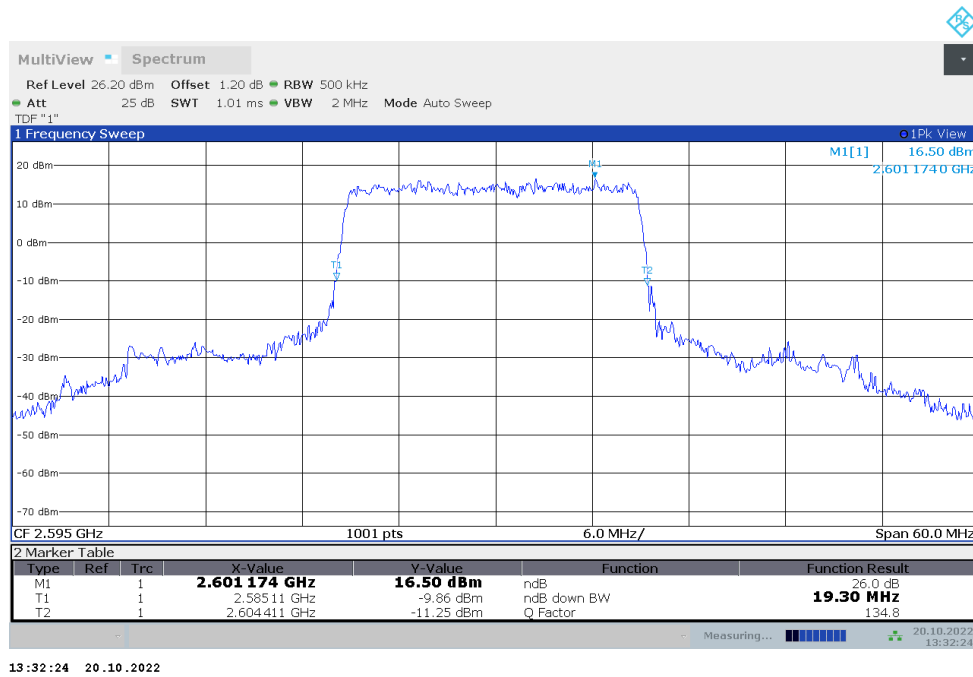


n38

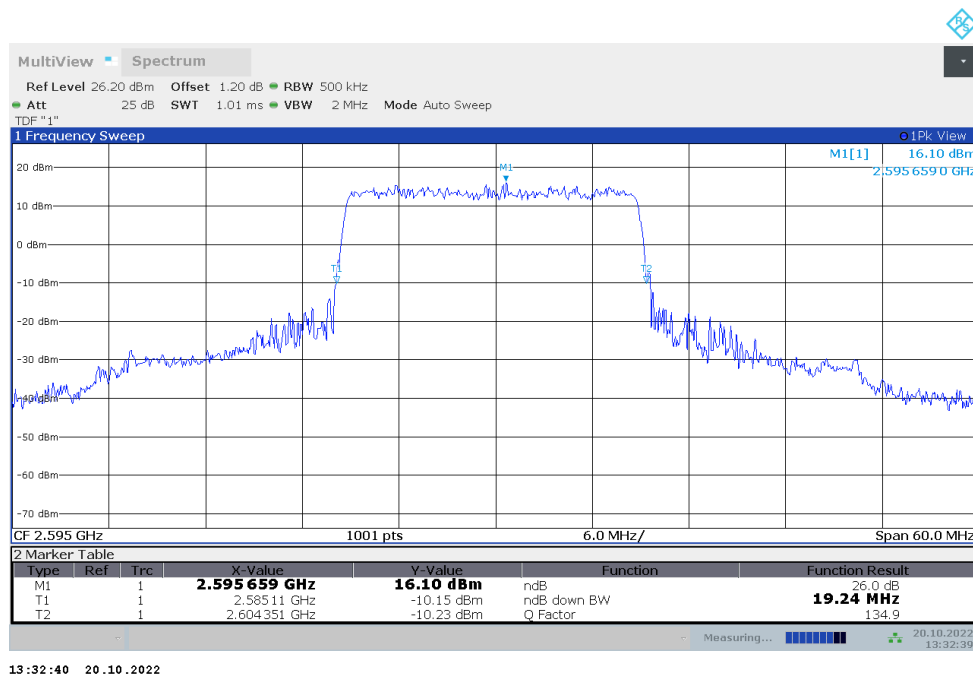
n38,20MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2595	19.301	19.241

n38,20MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n38,20MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

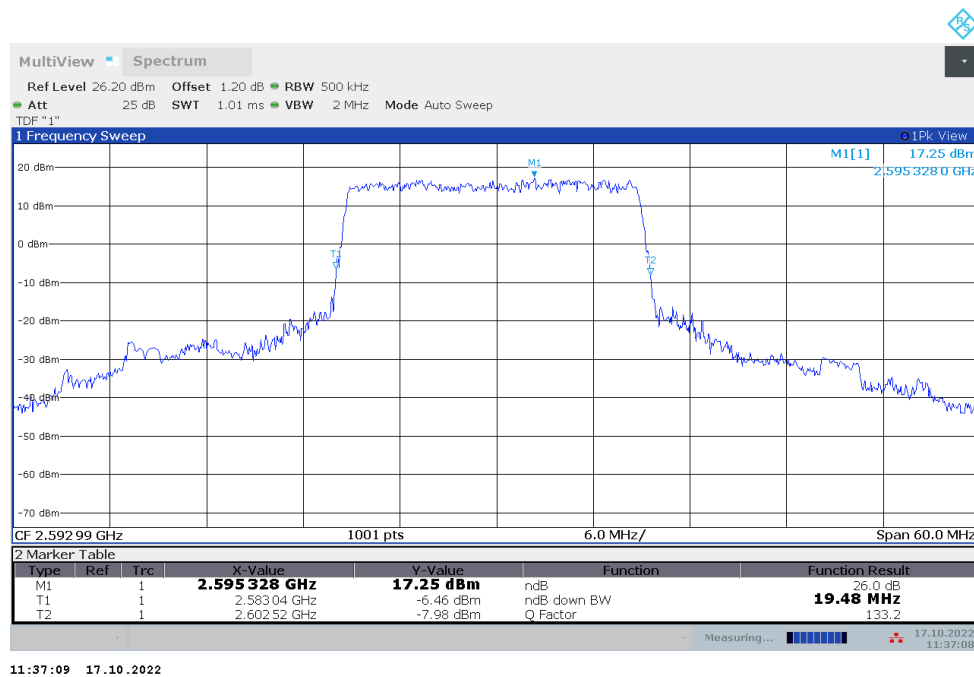


n41

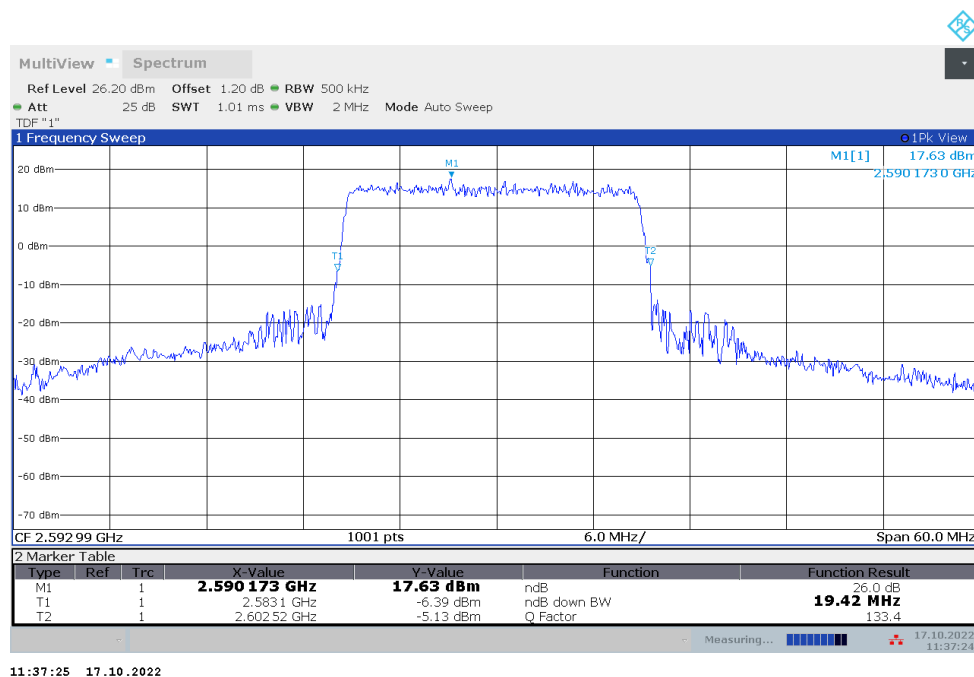
n41,20MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	19.481	19.421

n41,20MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



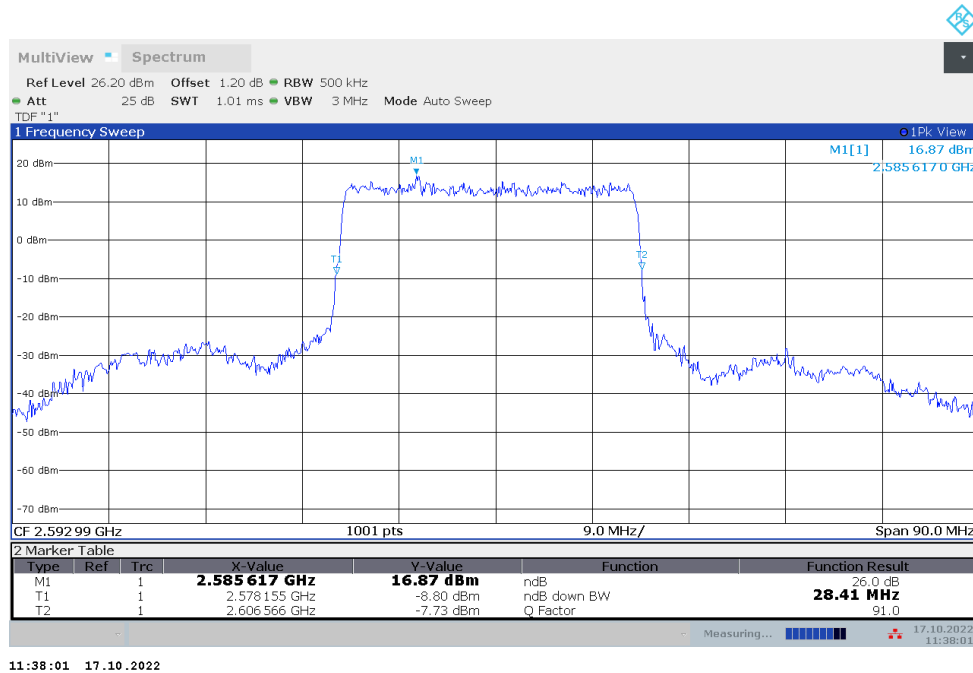
n41,20MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



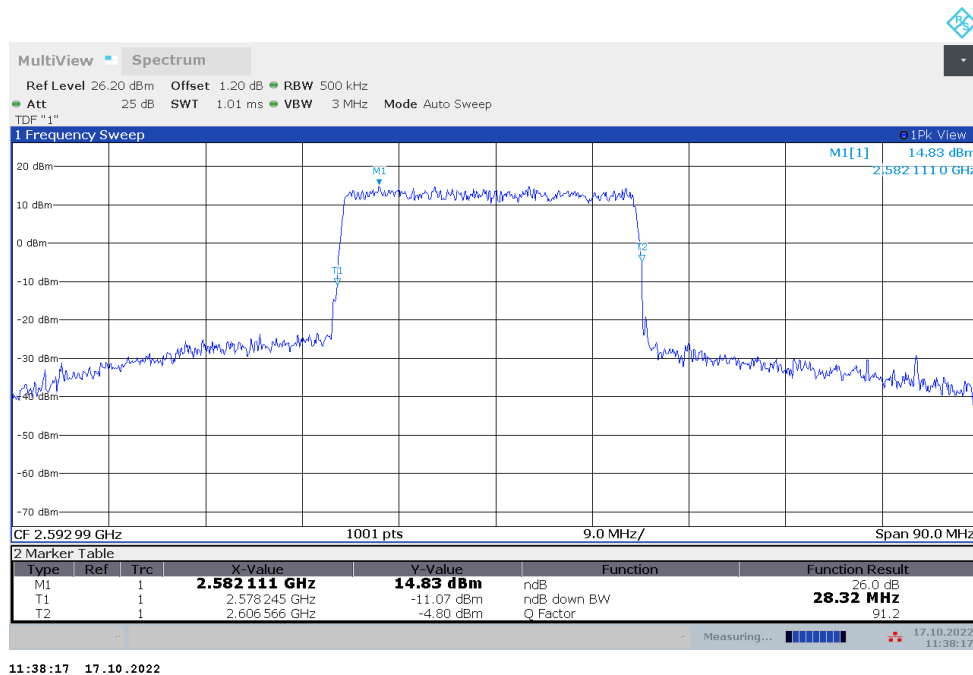
n41,30MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	28.412	28.322

n41,30MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



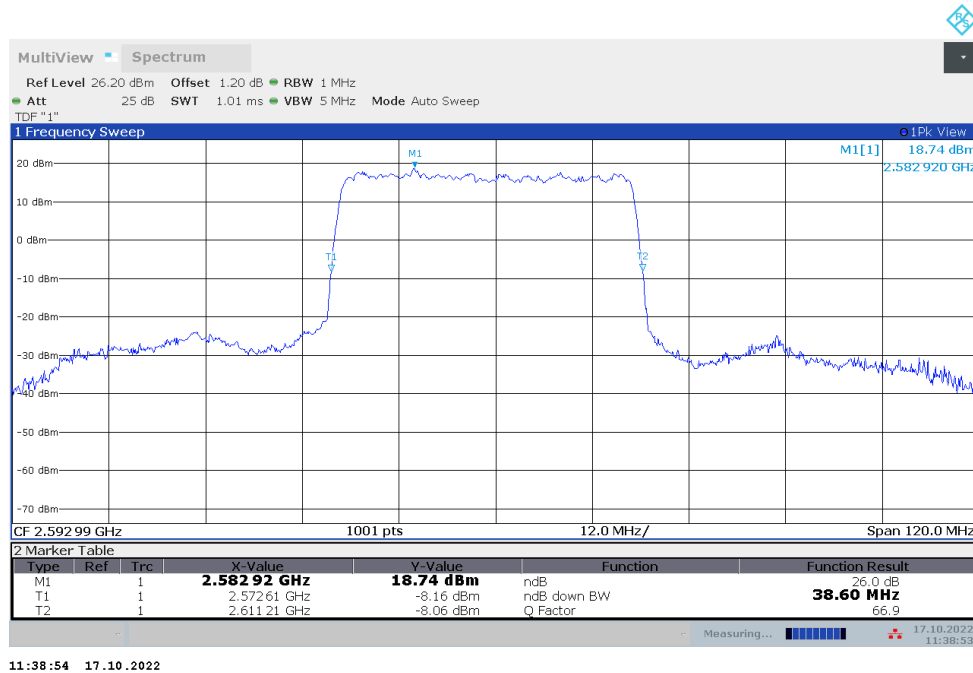
n41,30MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



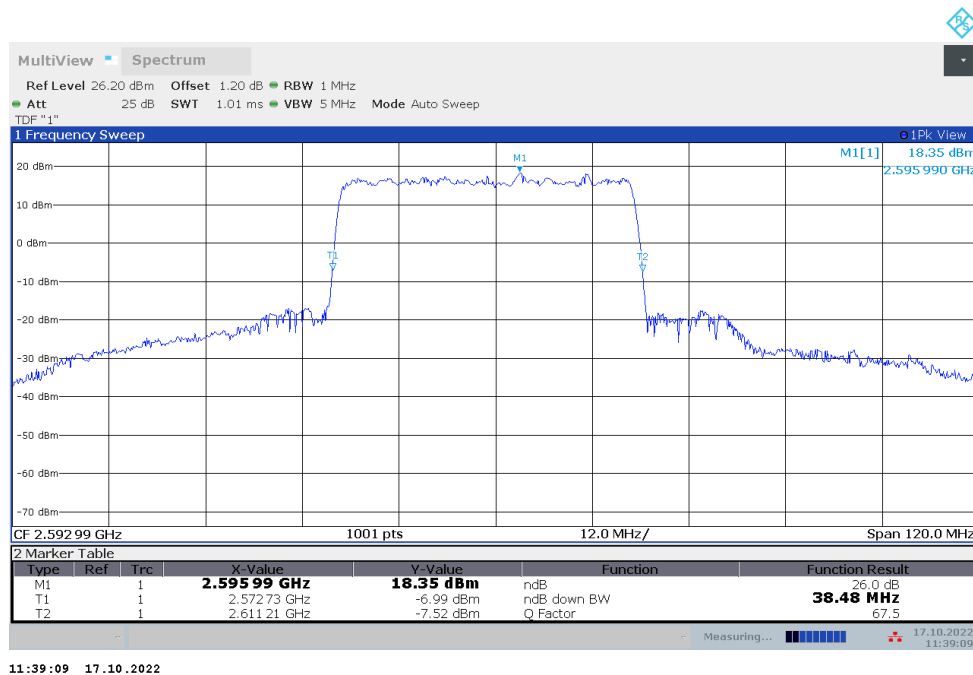
n41,40MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	38.600	38.480

n41,40MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



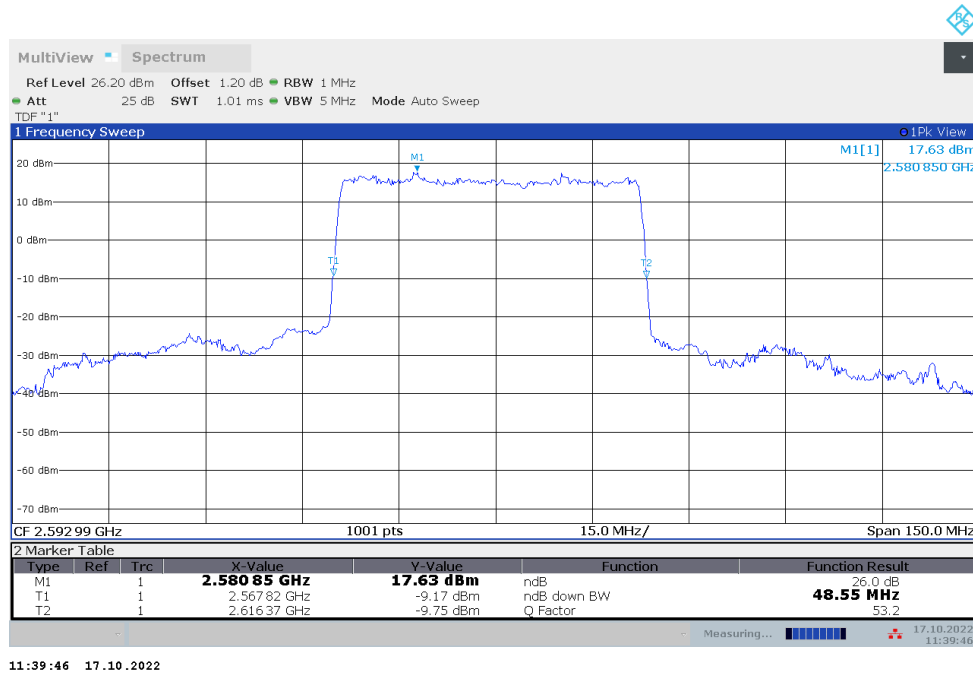
n41,40MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



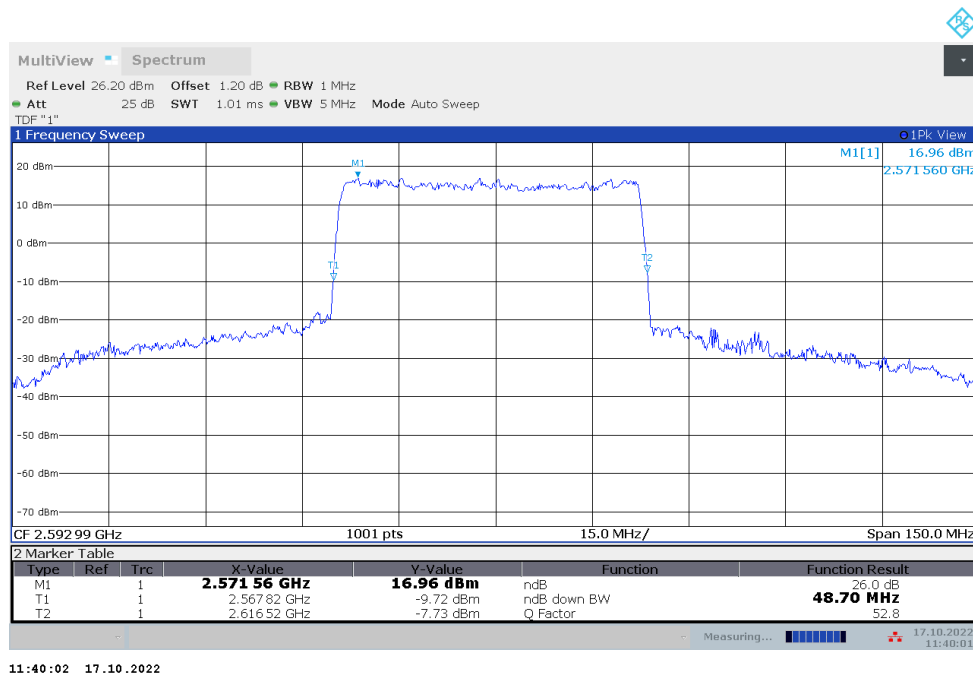
n41,50MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	48.550	48.700

n41,50MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



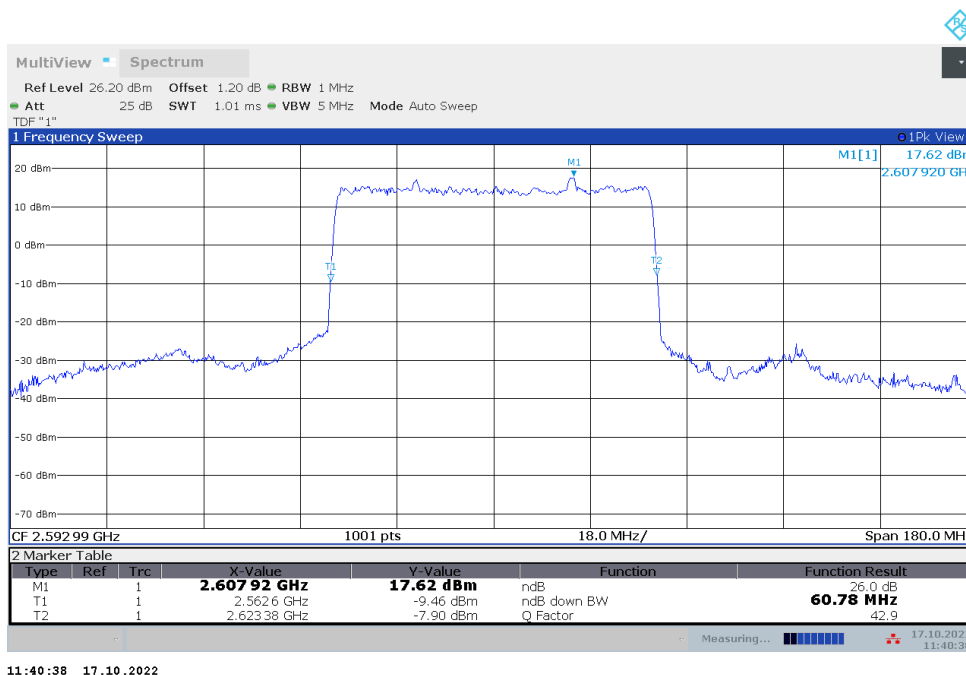
n41,50MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



n41,60MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	60.780	60.780

n41,60MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



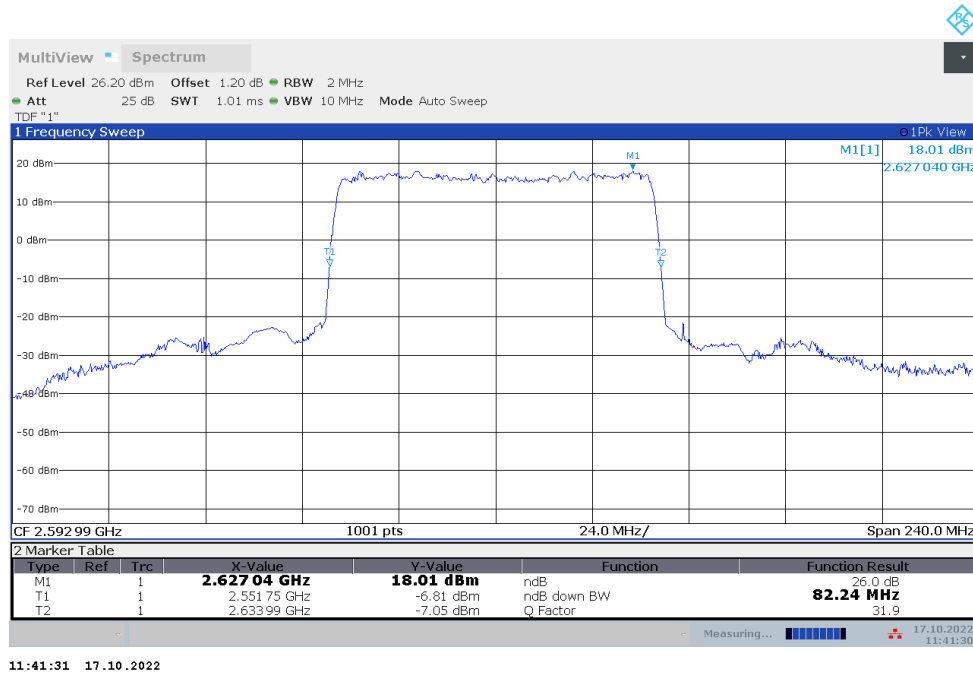
n41,60MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



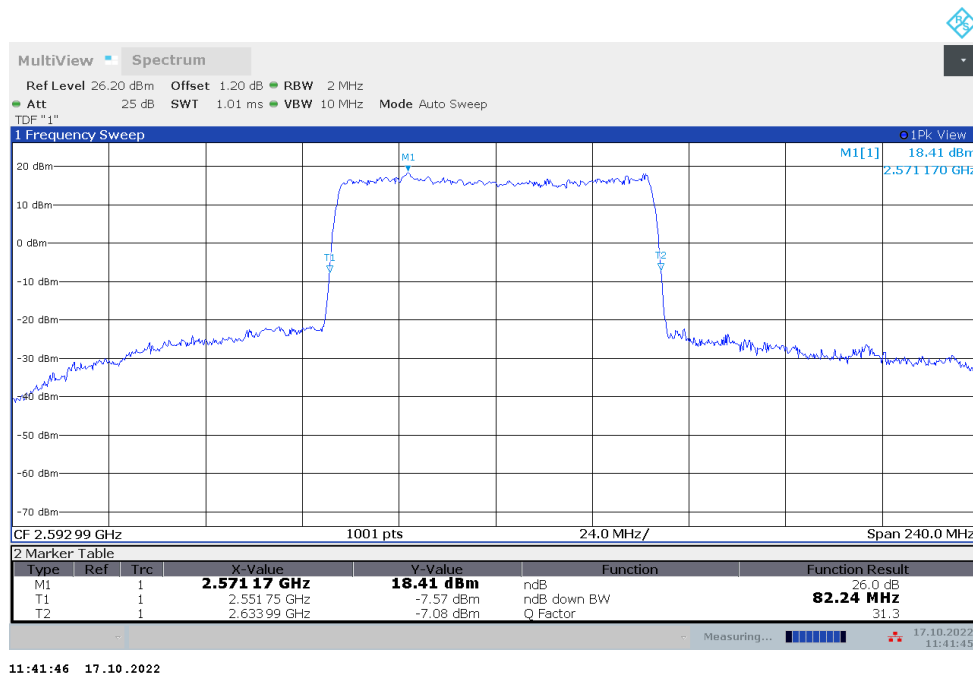
n41,80MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	82.240	82.240

n41,80MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



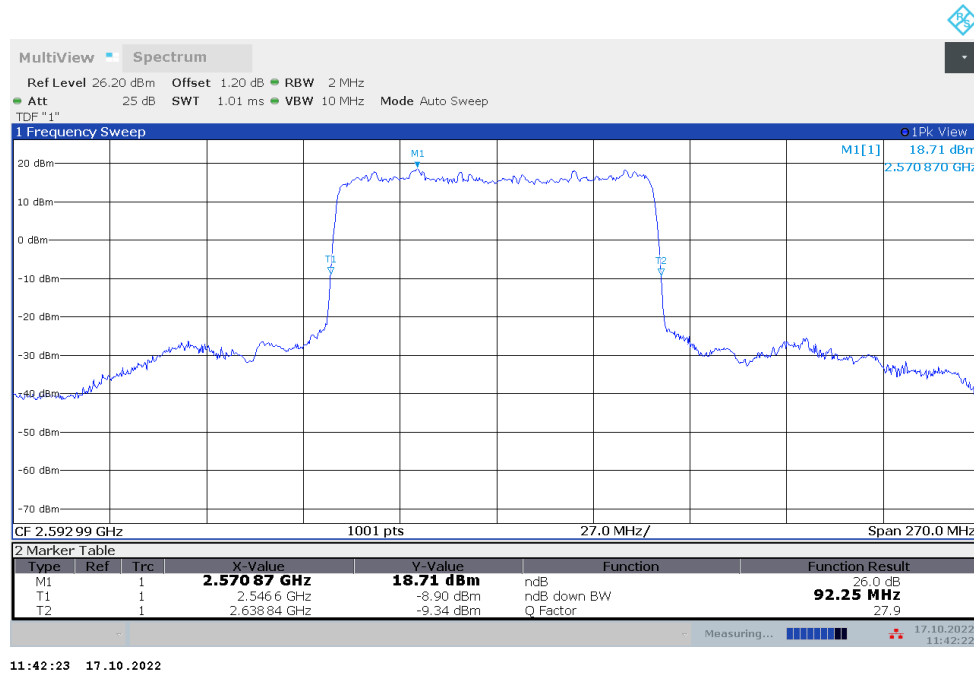
n41,80MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



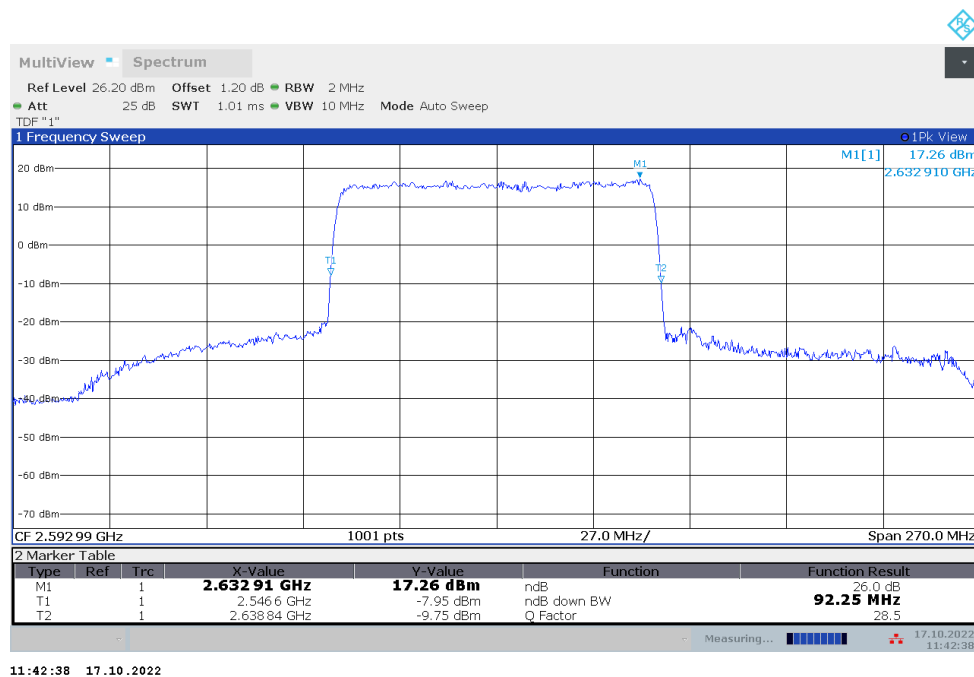
n41,90MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	92.250	92.250

n41,90MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



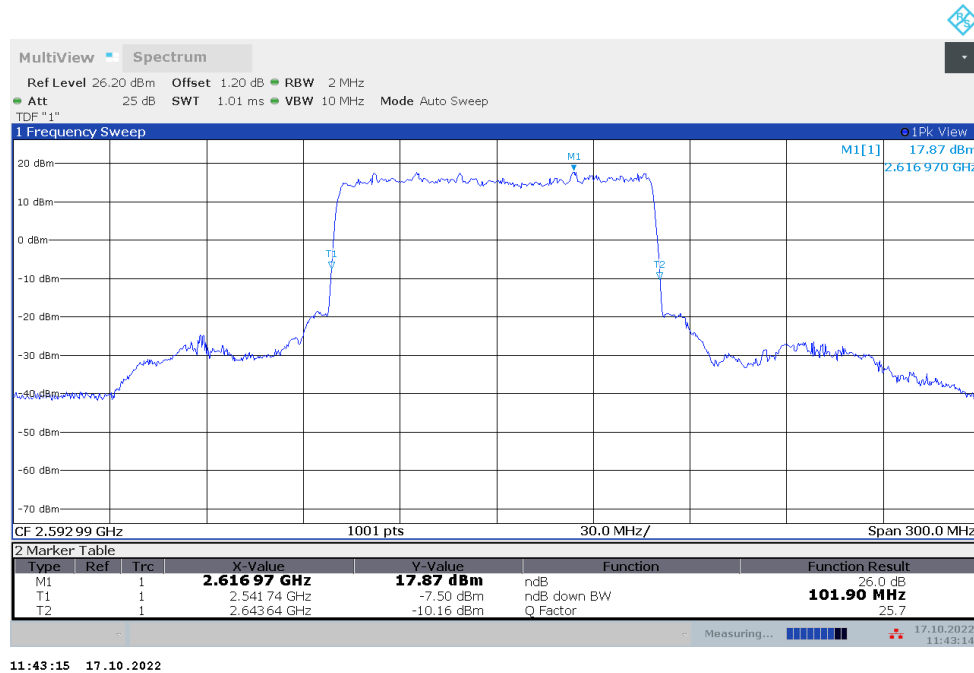
n41,90MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



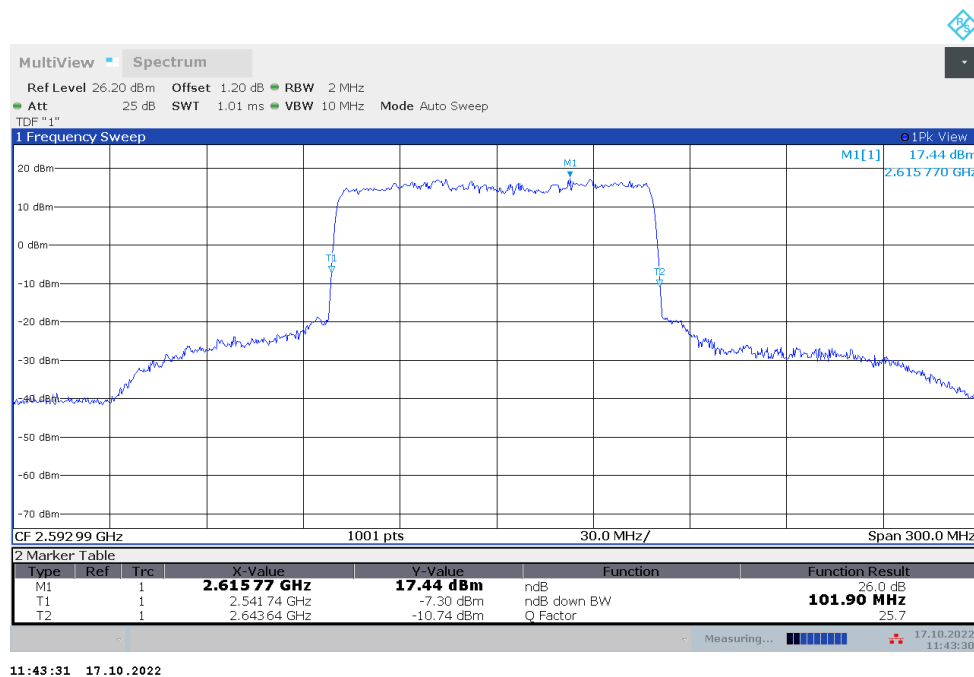
n41,100MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
2592.99	101.900	101.900

n41,100MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n41,100MHz Bandwidth,DFT-s-QPSK (-26dBc BW)

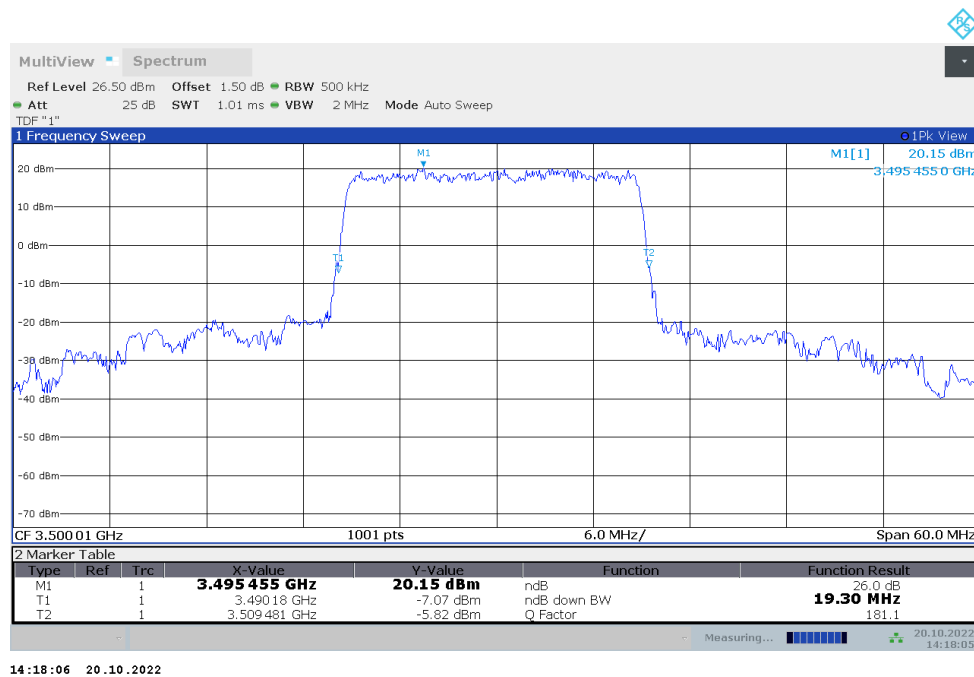


n78L

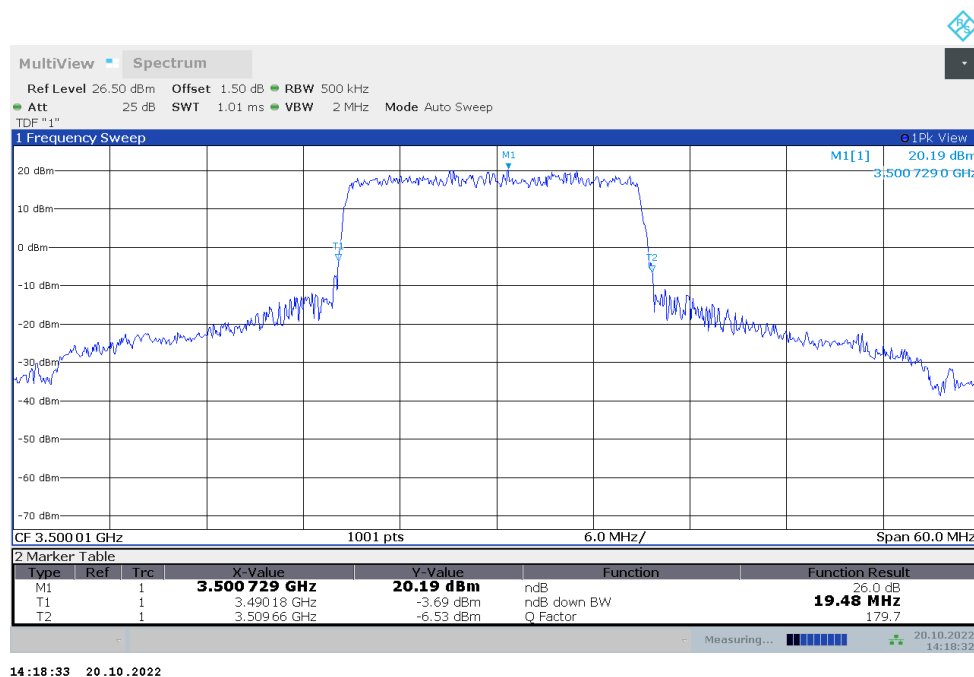
n78L,20MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	19.301	19.481

n78L,20MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



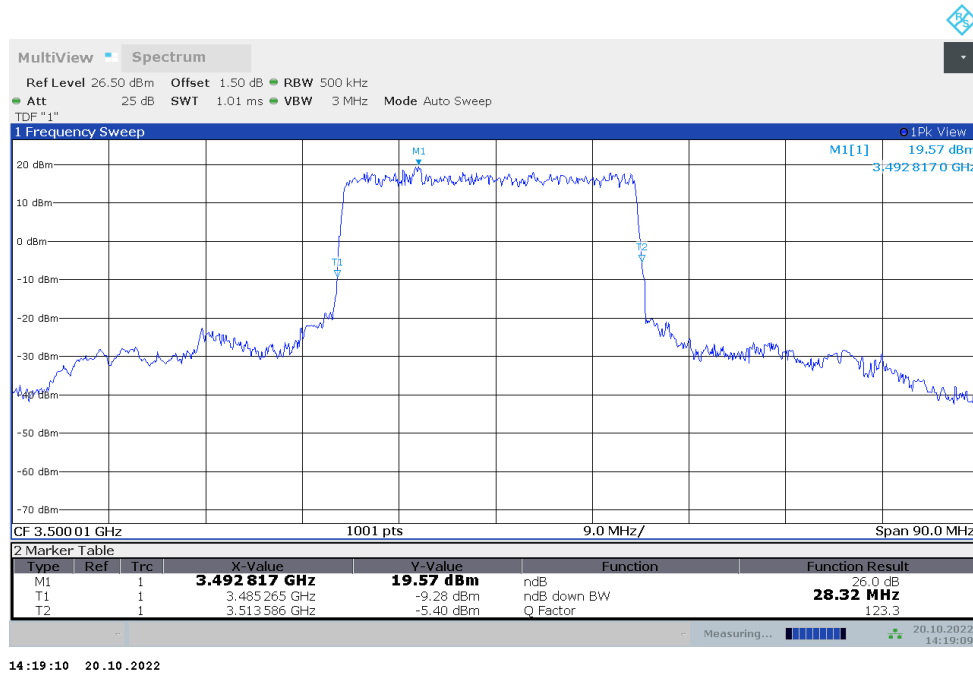
n78L,20MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



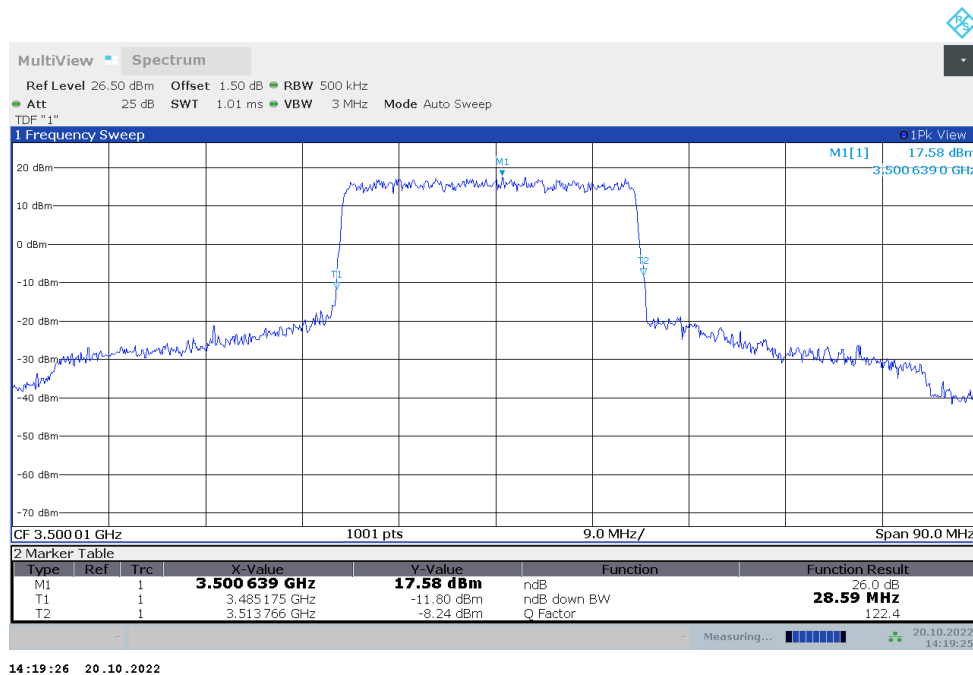
n78L,30MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	28.322	28.591

n78L,30MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



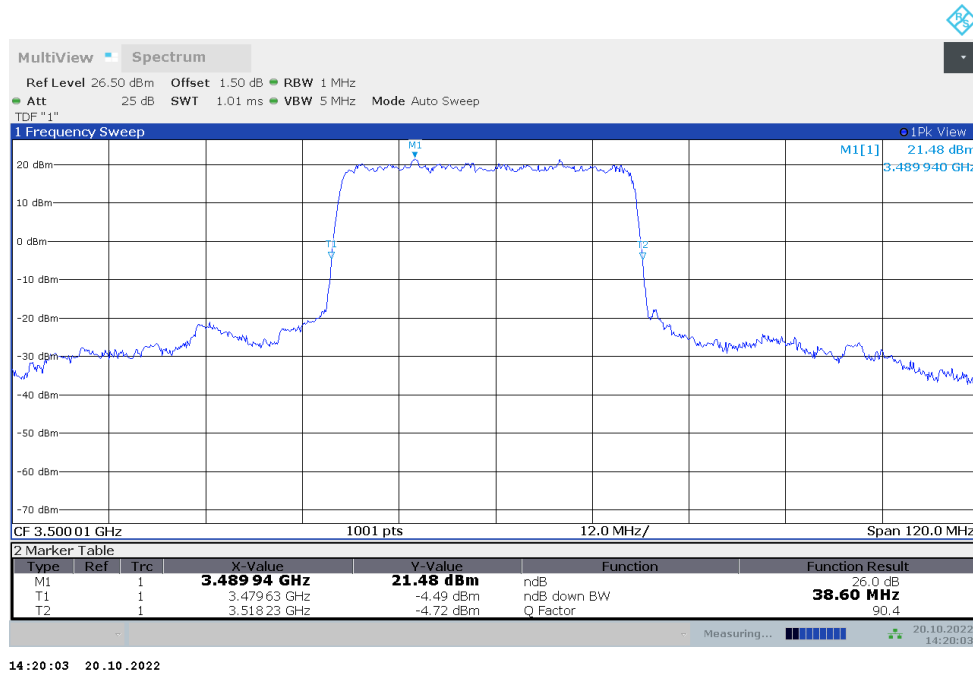
n78L,30MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



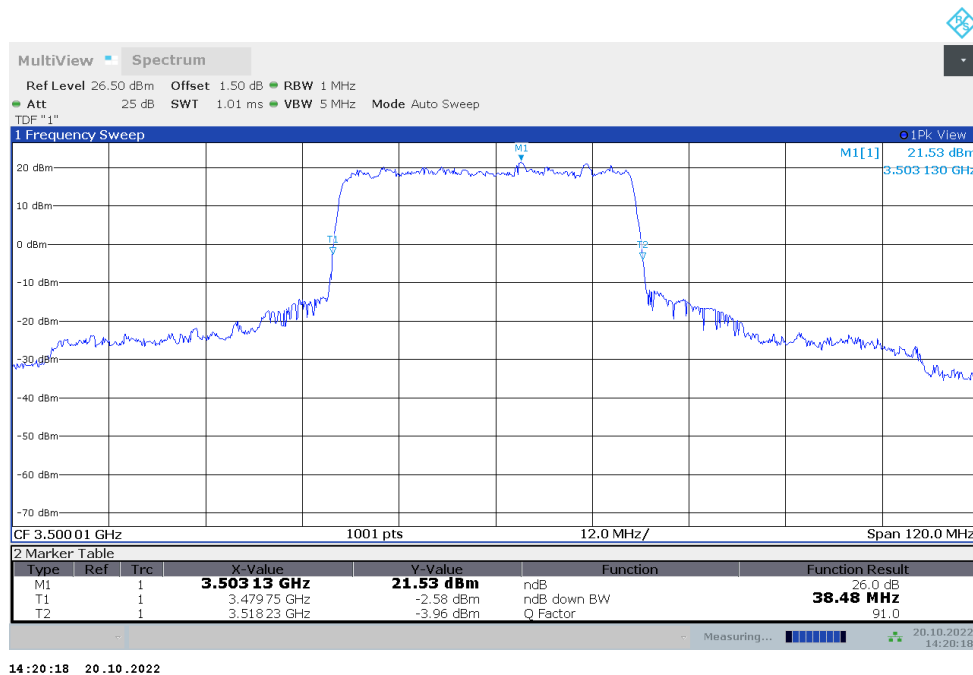
n78L,40MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	38.600	38.480

n78L,40MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



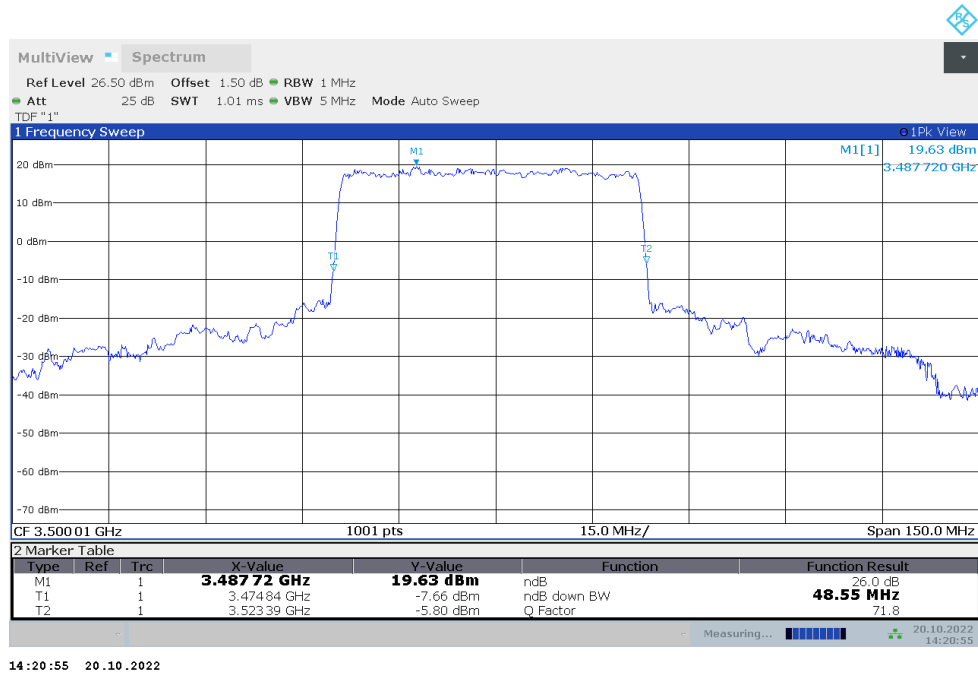
n78L,40MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



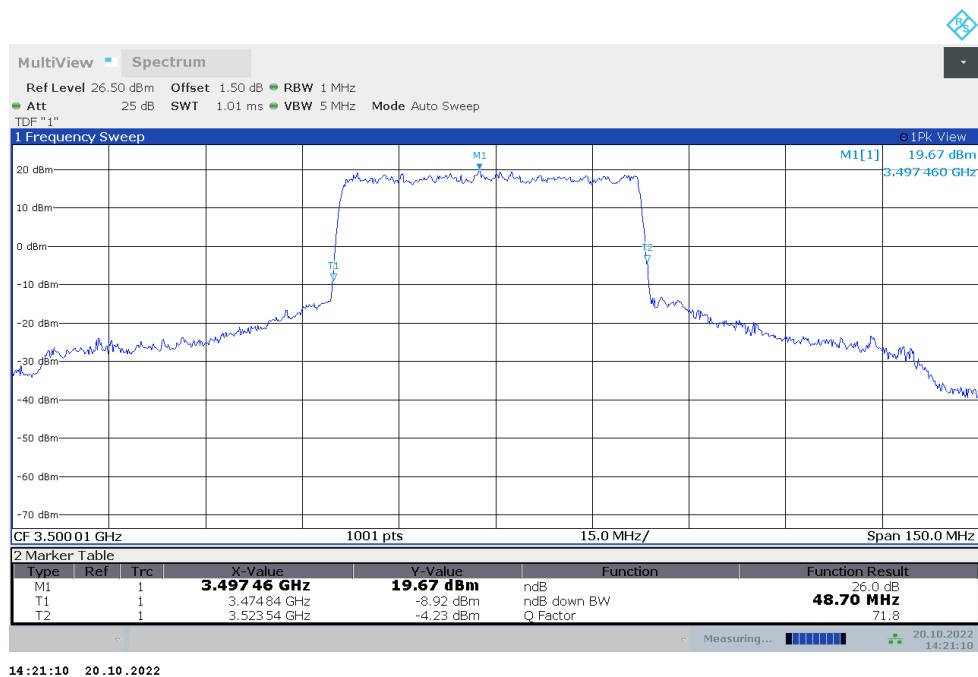
n78L,50MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	48.550	48.700

n78L,50MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



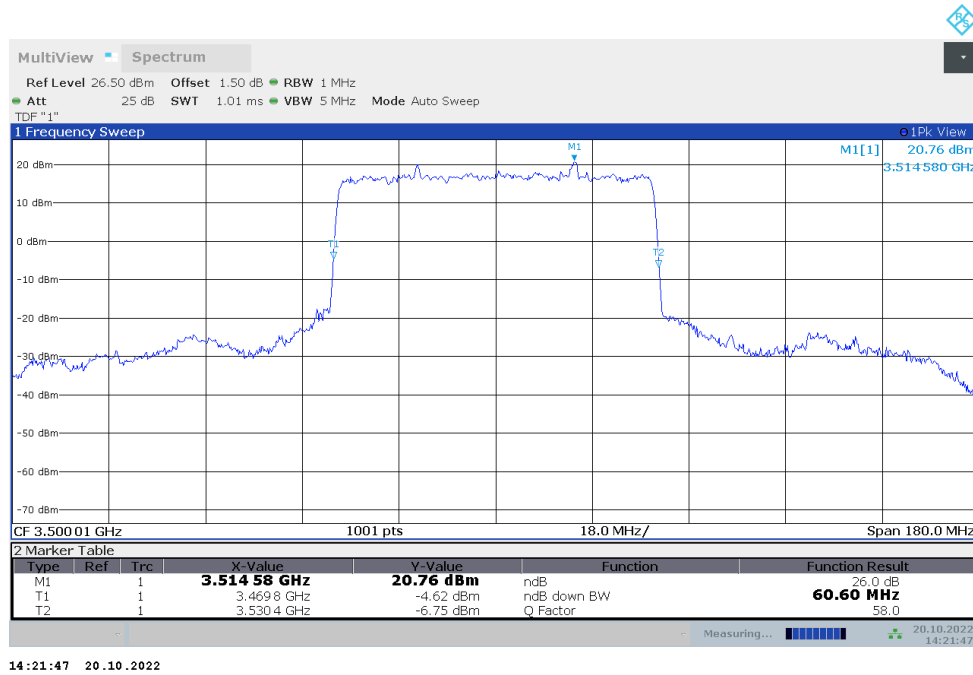
n78L,50MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



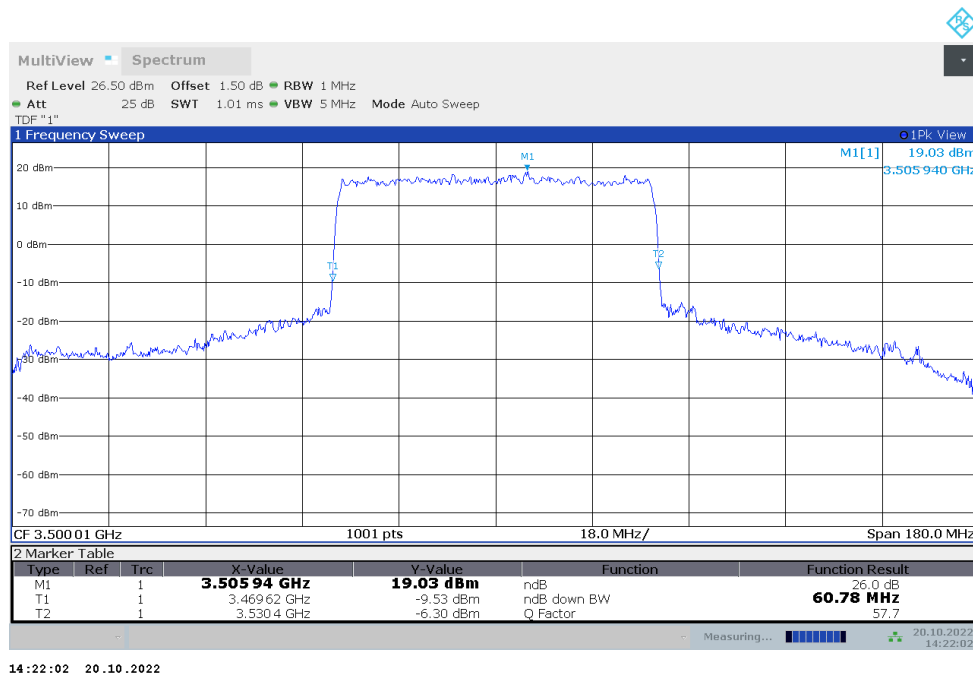
n78L,60MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	60.600	60.780

n78L,60MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



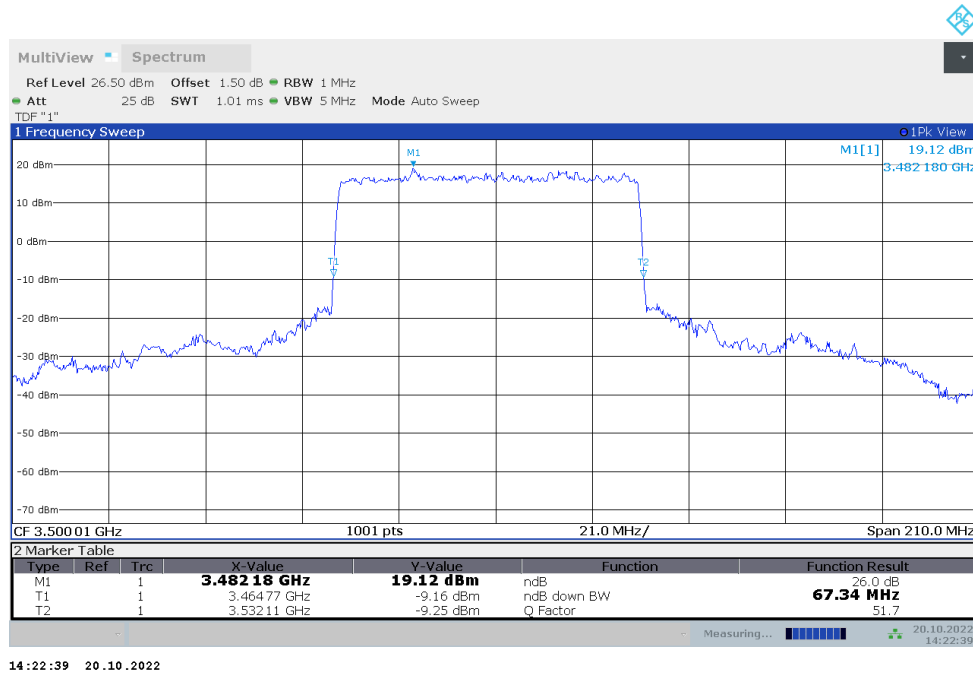
n78L,60MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



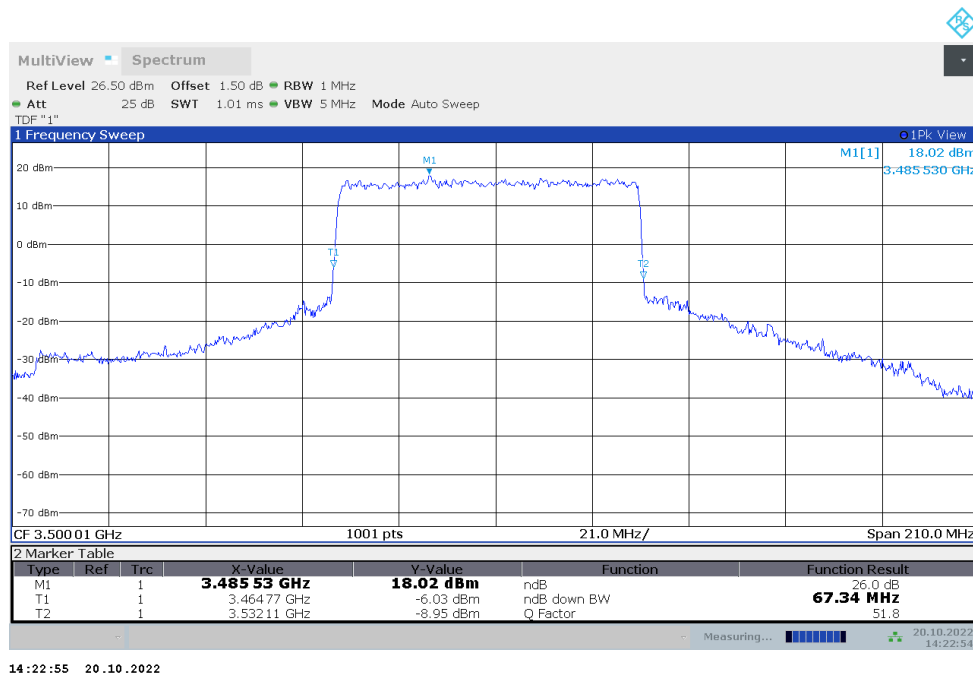
n78L,70MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	67.340	67.340

n78L,70MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



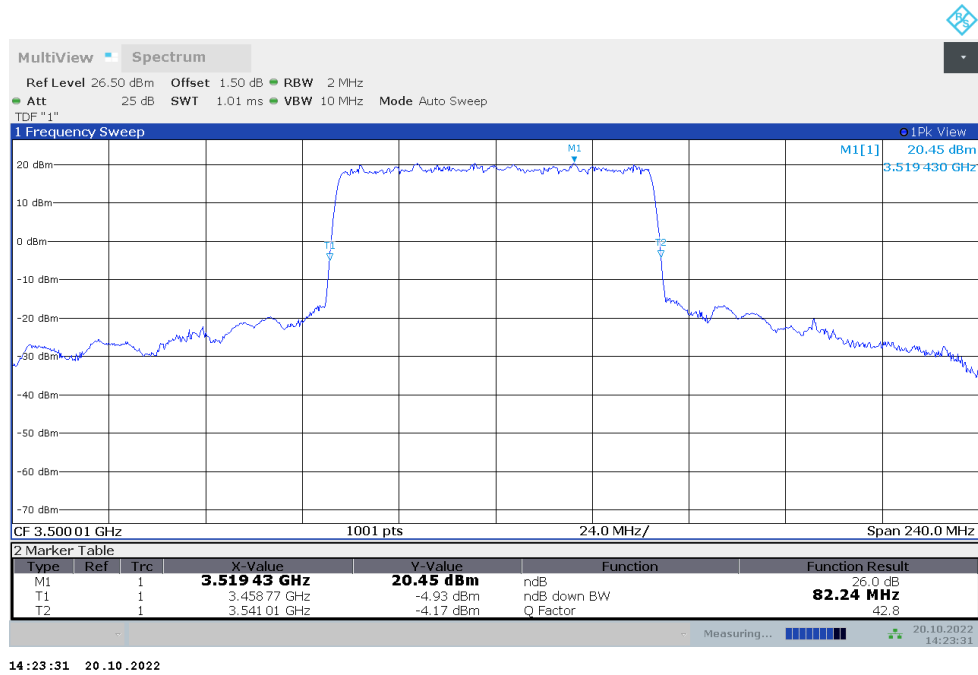
n78L,70MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



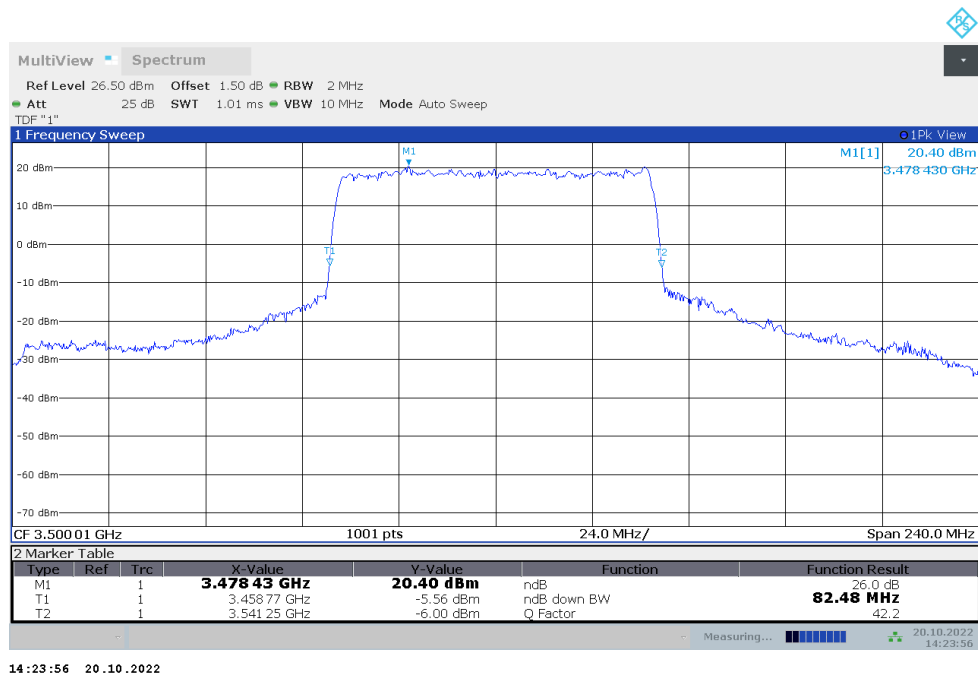
n78L,80MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	82.240	82.480

n78L,80MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



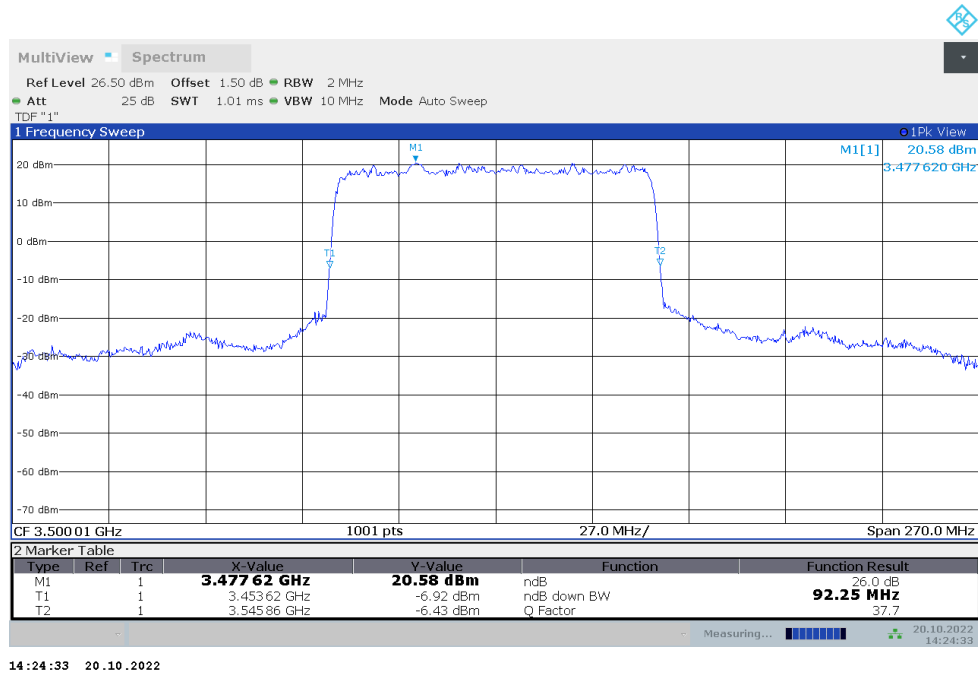
n78L,80MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



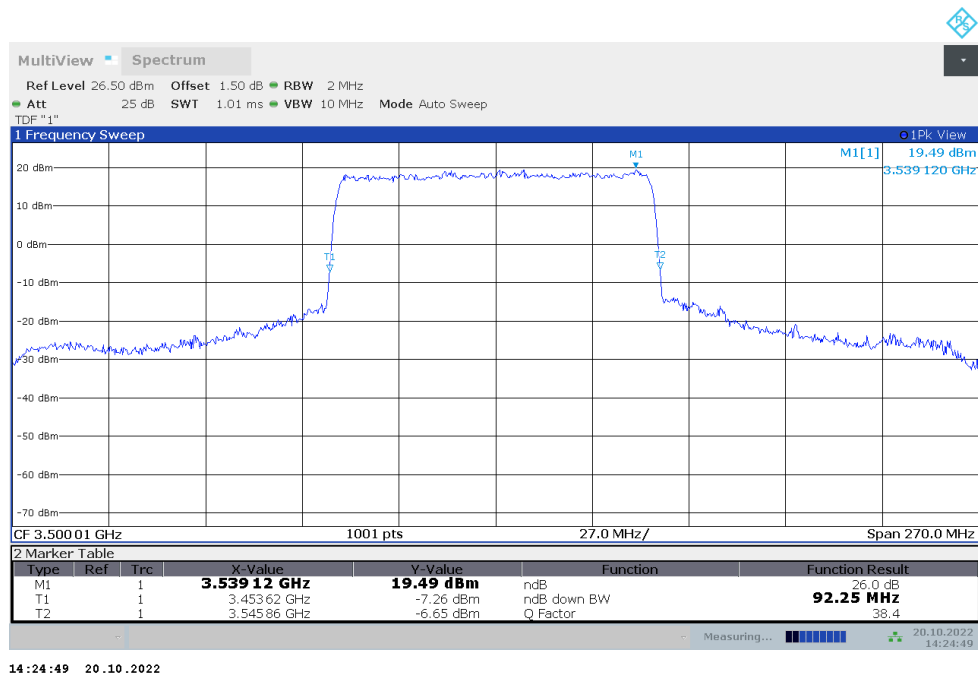
n78L,90MHz(-26dBc)

Frequency (MHz)	Emission Bandwidth (-26dBc) (MHz)	
	DFT-s-pi/2 BPSK	DFT-s-QPSK
3500.01	92.250	92.250

n78L,90MHz Bandwidth,DFT-s-pi/2 BPSK (-26dBc BW)



n78L,90MHz Bandwidth,DFT-s-QPSK (-26dBc BW)



Note: The maximum value of expanded measurement uncertainty for this test item is $U = 0.626$ kHz, $k = 2$.

A.6 Band Edge Compliance

A.6.1 Measurement limit

Part 27.53(m) specifies for mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

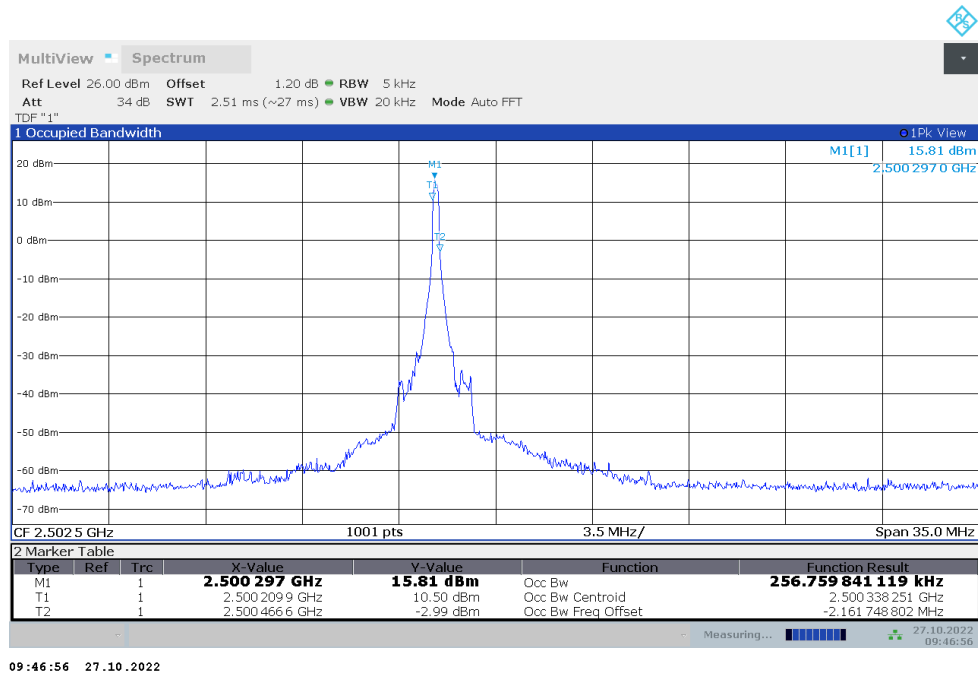
Part 27.53(n) states for mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

The spectrum analyzer readings are corrected by $[10 \log (1/\text{duty cycle})]$ for the non-continuous transmitting scenario.

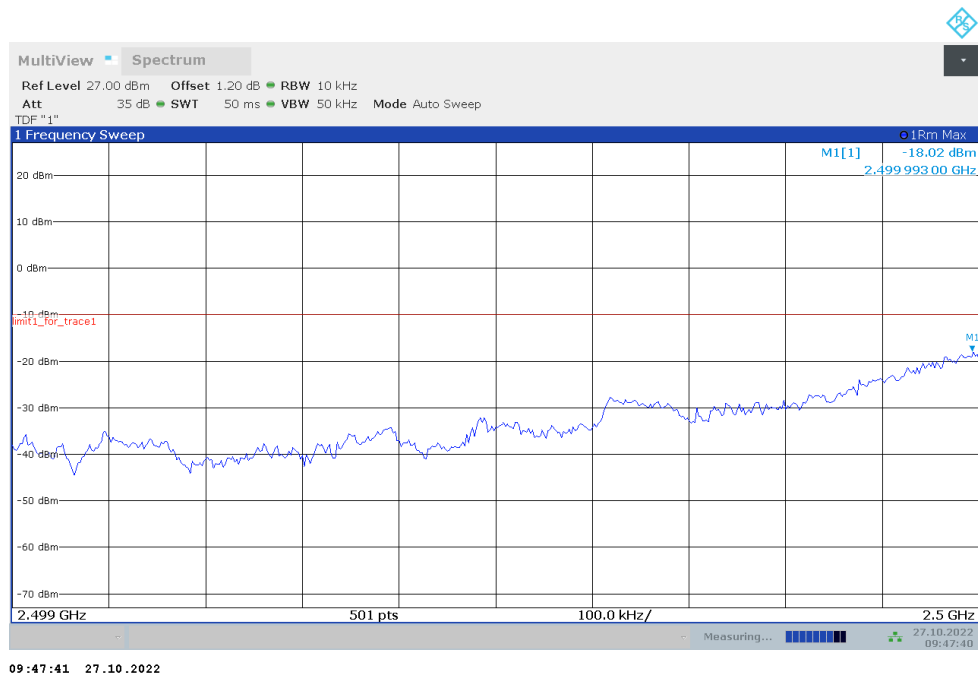
A.6.2 Measurement result

NR n7

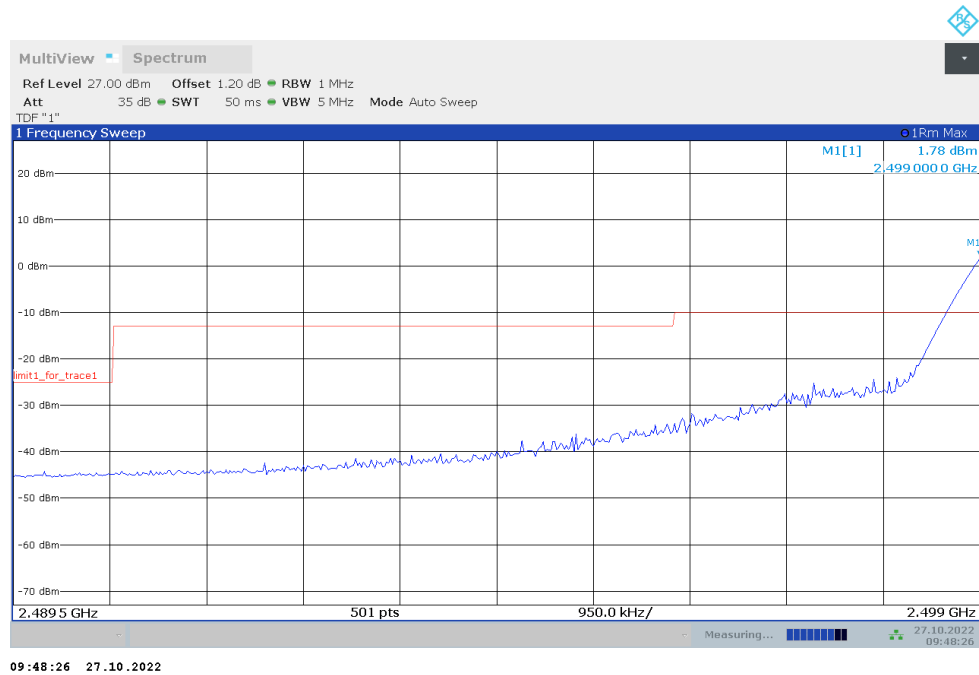
OBW: 1RB-LOW_offset



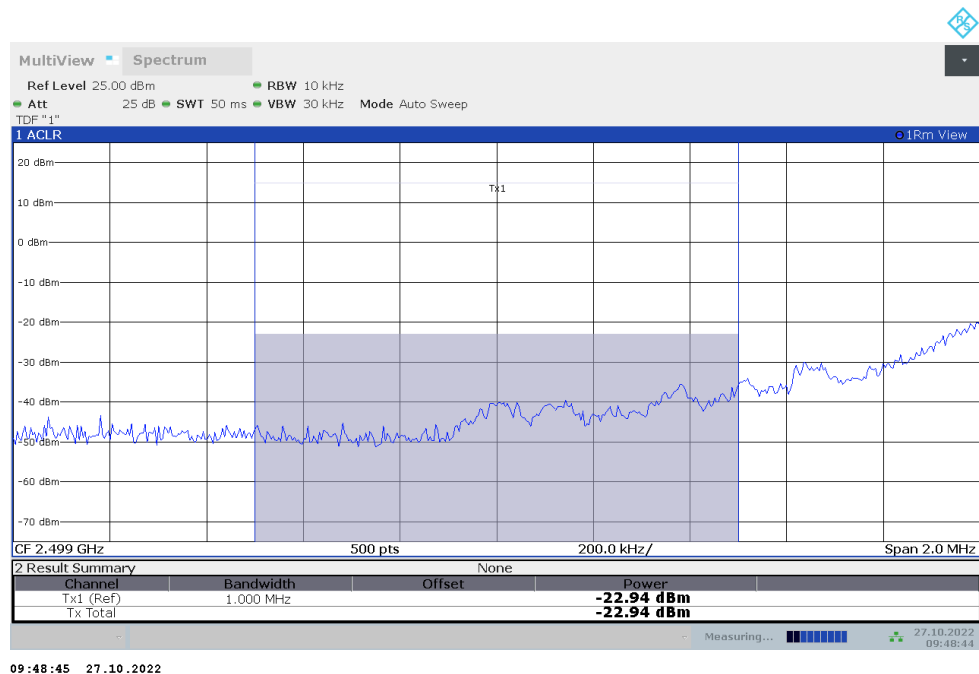
LOW BAND EDGE BLOCK-1RB-LOW_offset



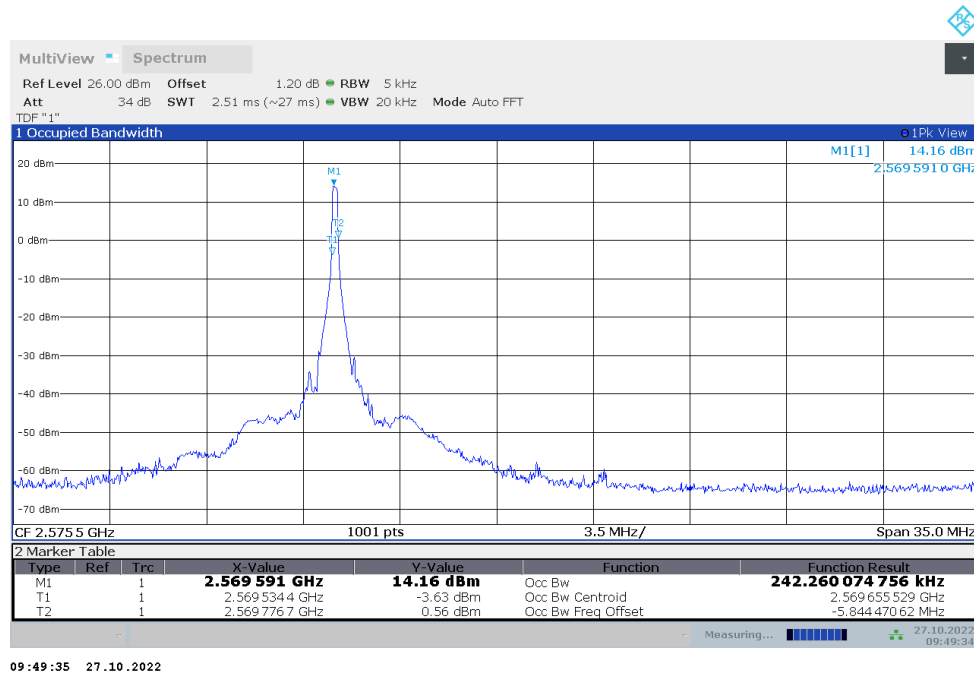
LOW BAND EDGE BLOCK-1RB-LOW_offset



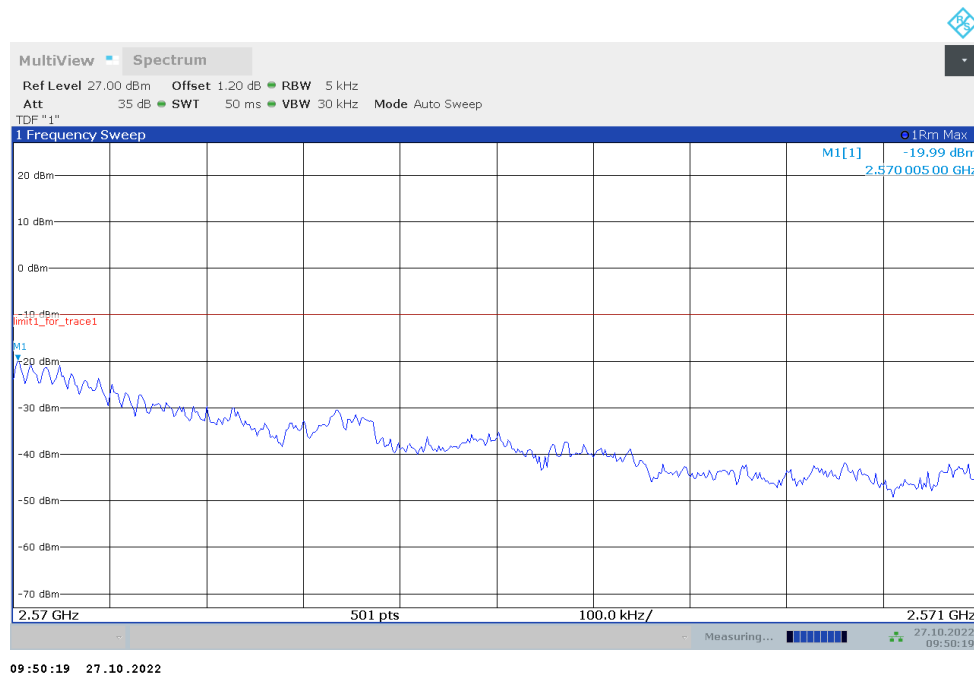
Channel Power



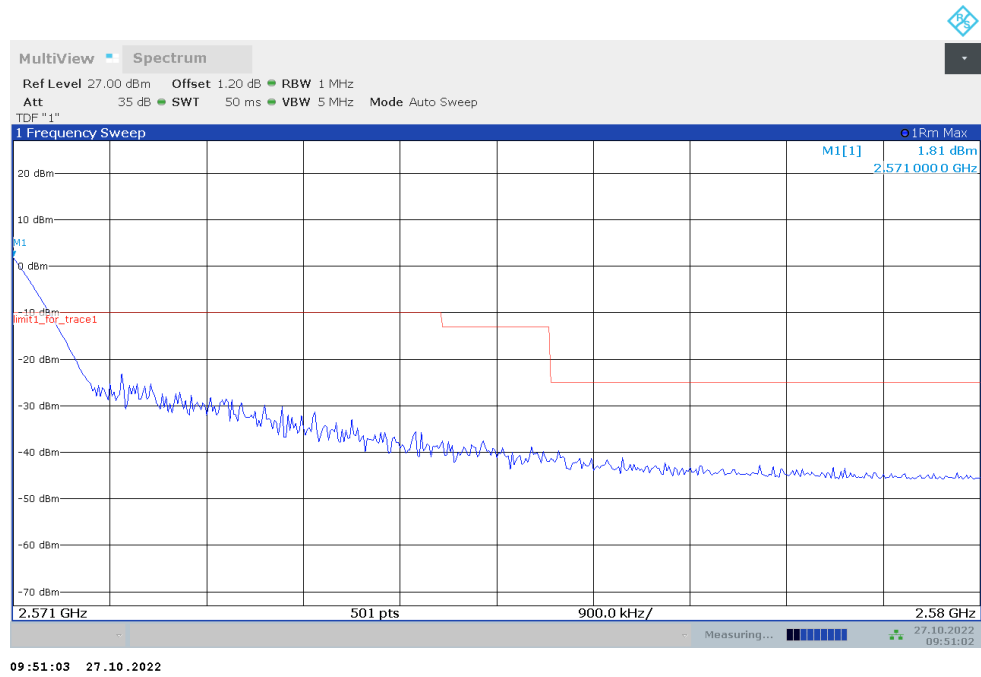
OBW: 1RB-HIGH_offset



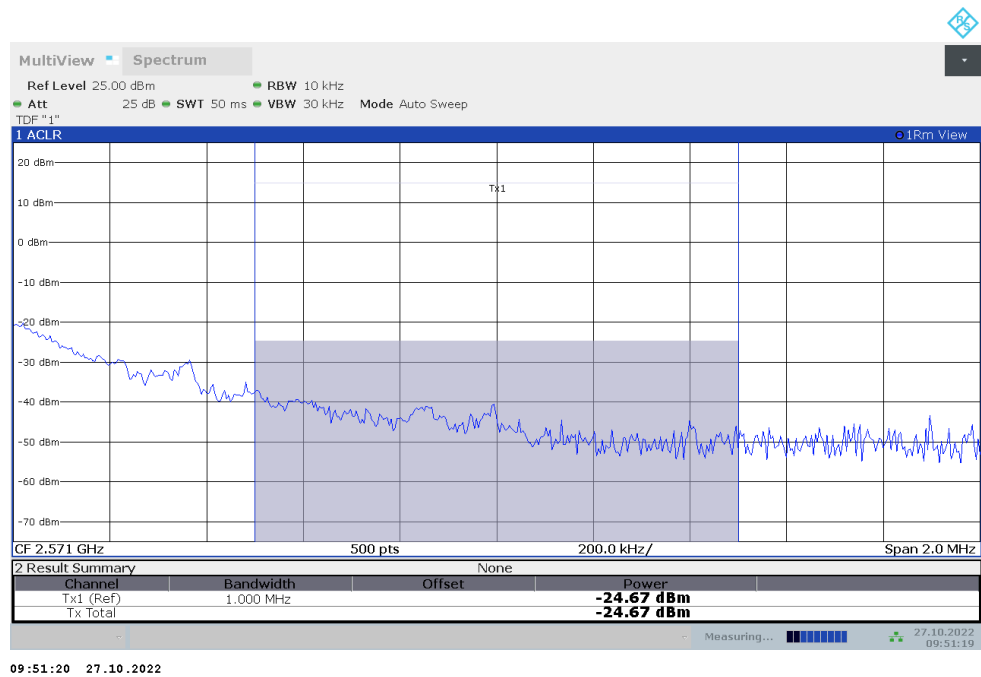
HIGH BAND EDGE BLOCK-1RB-HIGH_offset



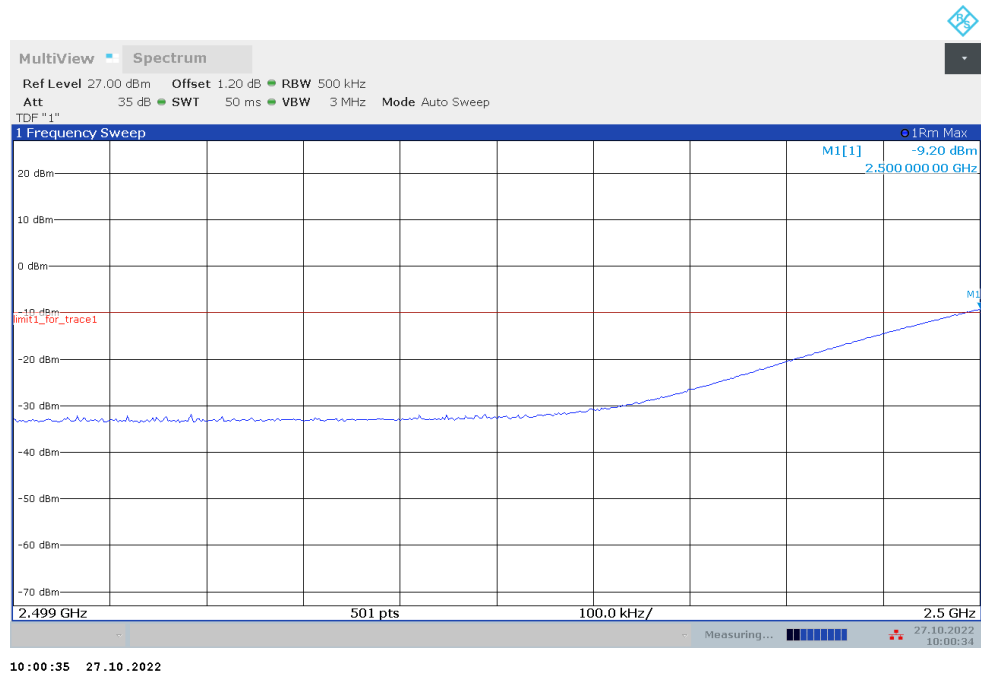
HIGH BAND EDGE BLOCK-1RB-HIGH_offset



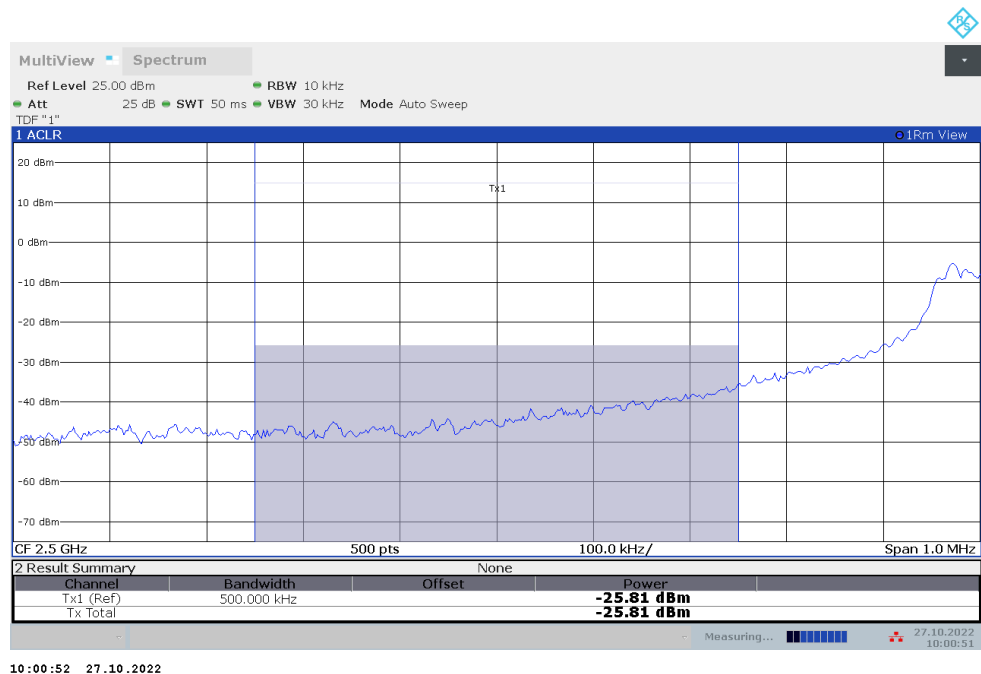
Channel Power



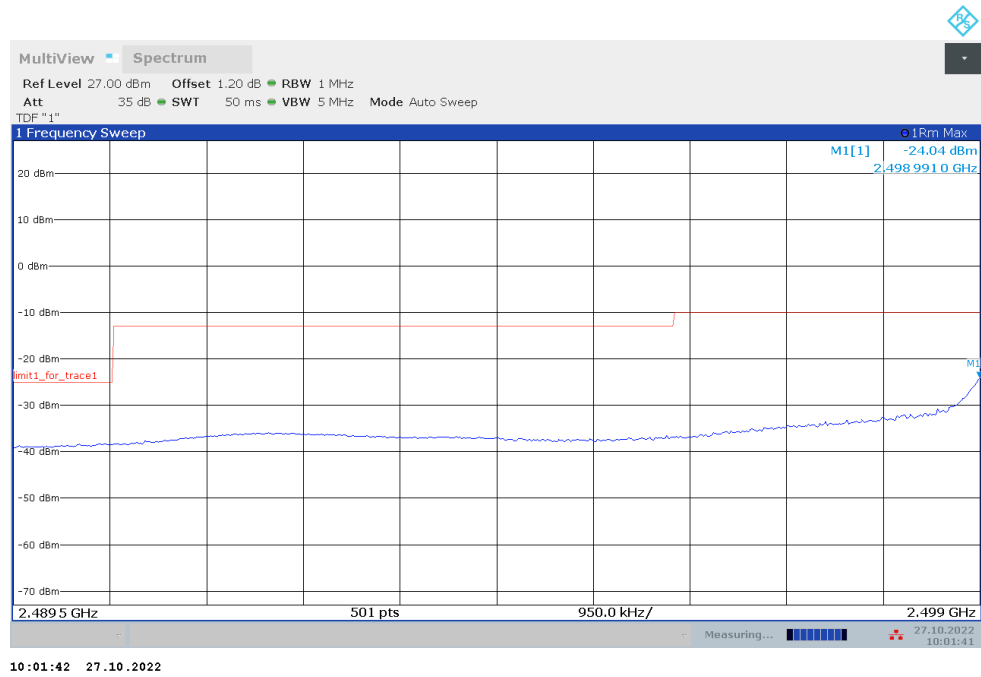
LOW BAND EDGE BLOCK-20M-100%RB



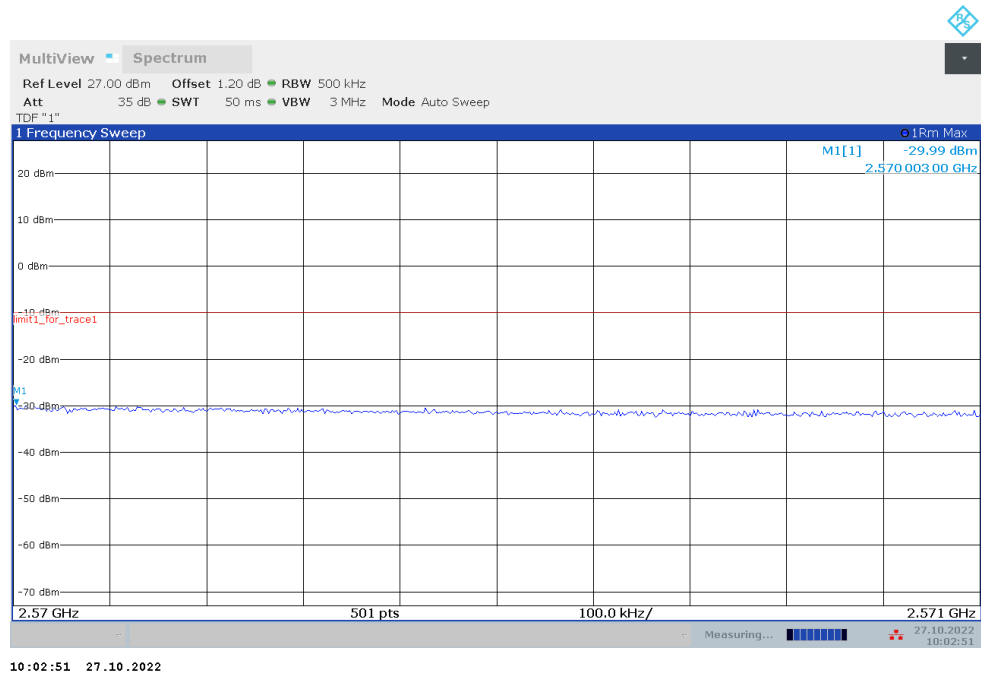
Channel Power



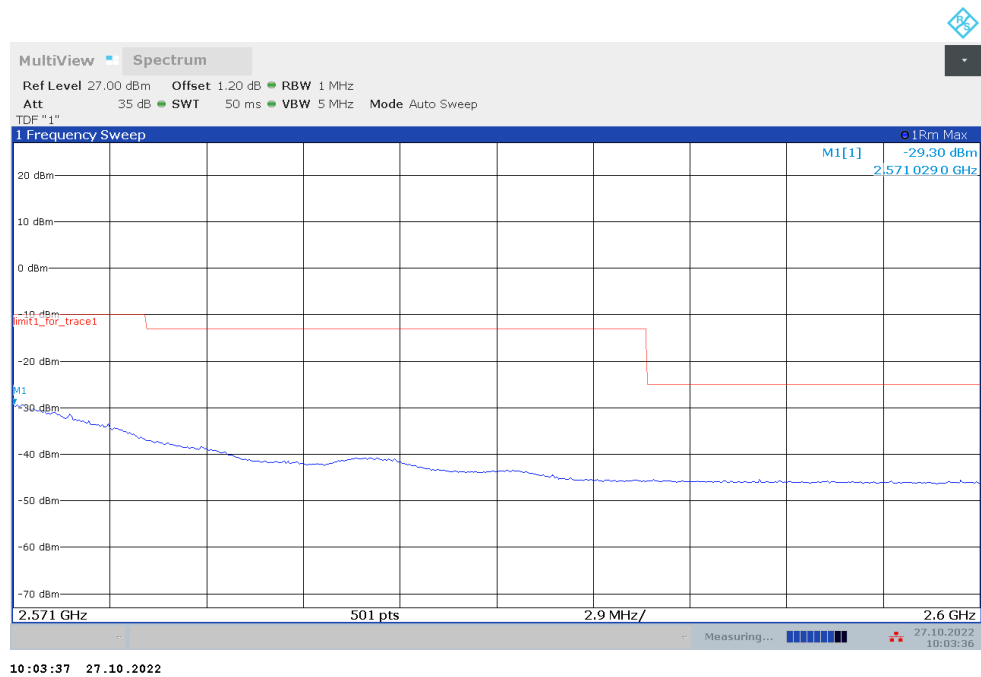
LOW BAND EDGE BLOCK-20M-100%RB



HIGH BAND EDGE BLOCK-20M-100%RB

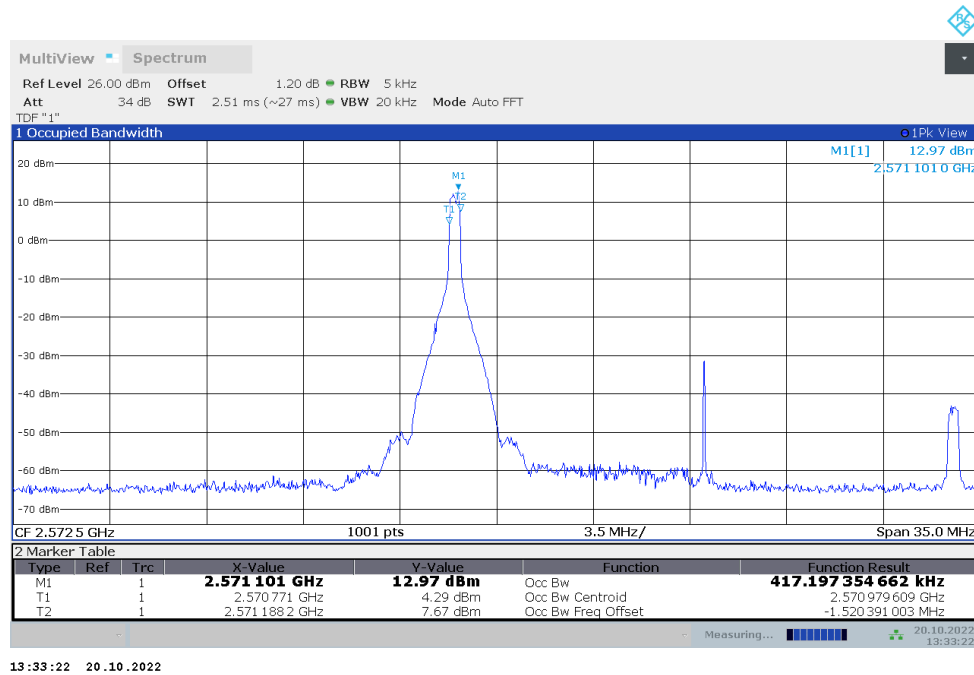


HIGH BAND EDGE BLOCK-20M-100%RB

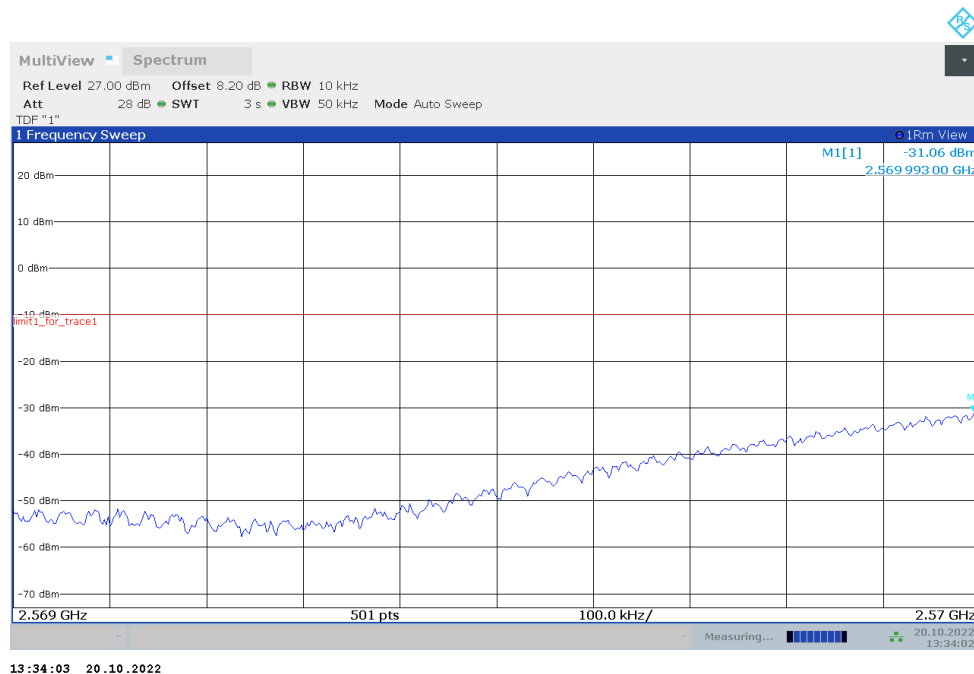


NR n38

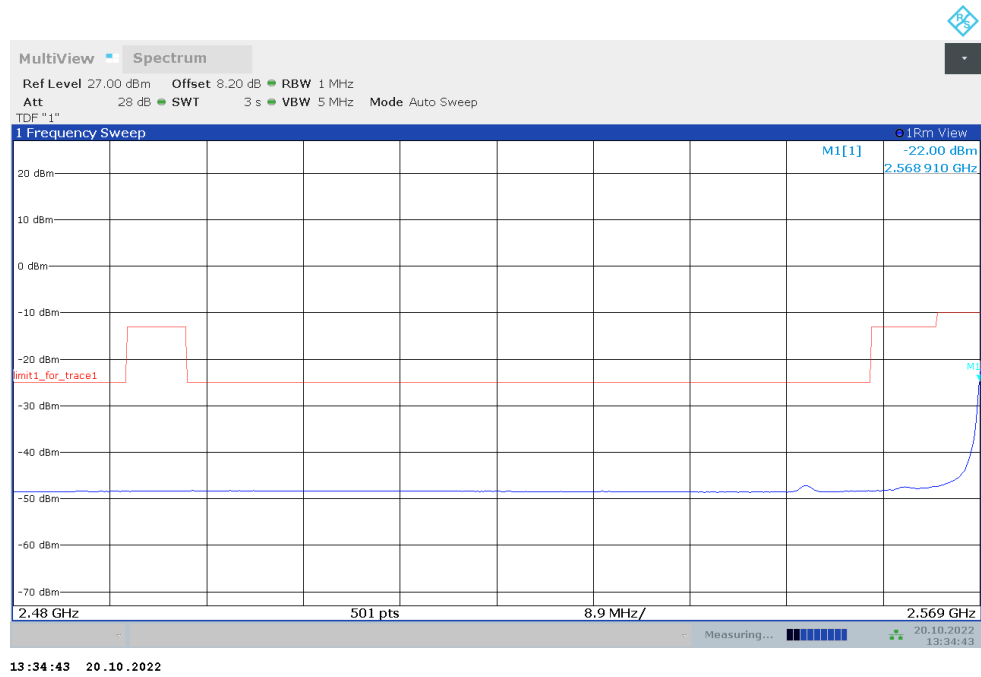
OBW: 1RB-LOW_offset



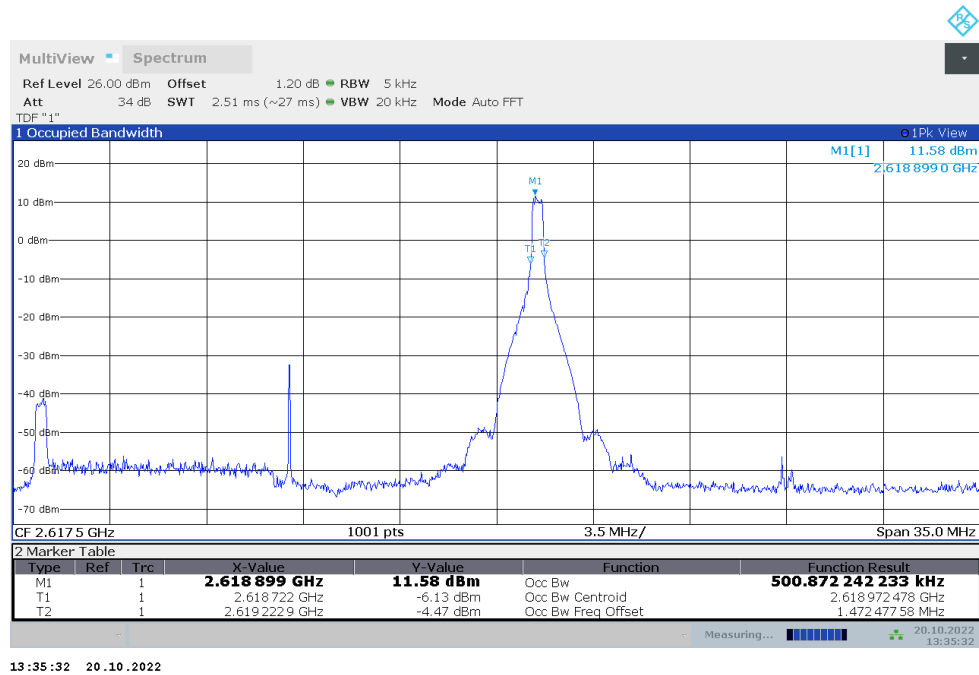
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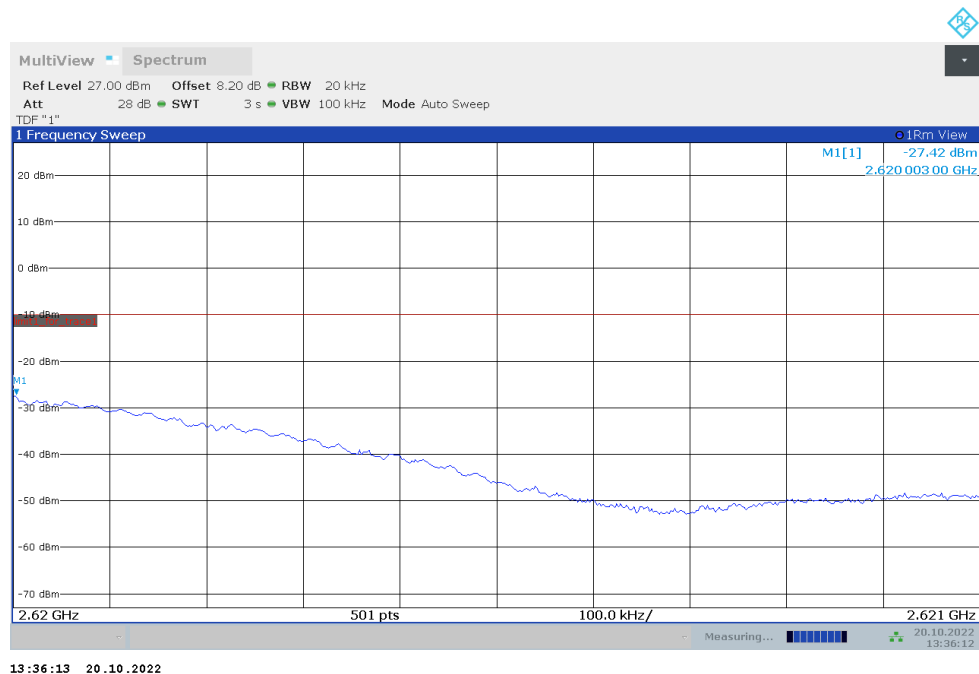
LOW BAND EDGE BLOCK-1RB-LOW_offset



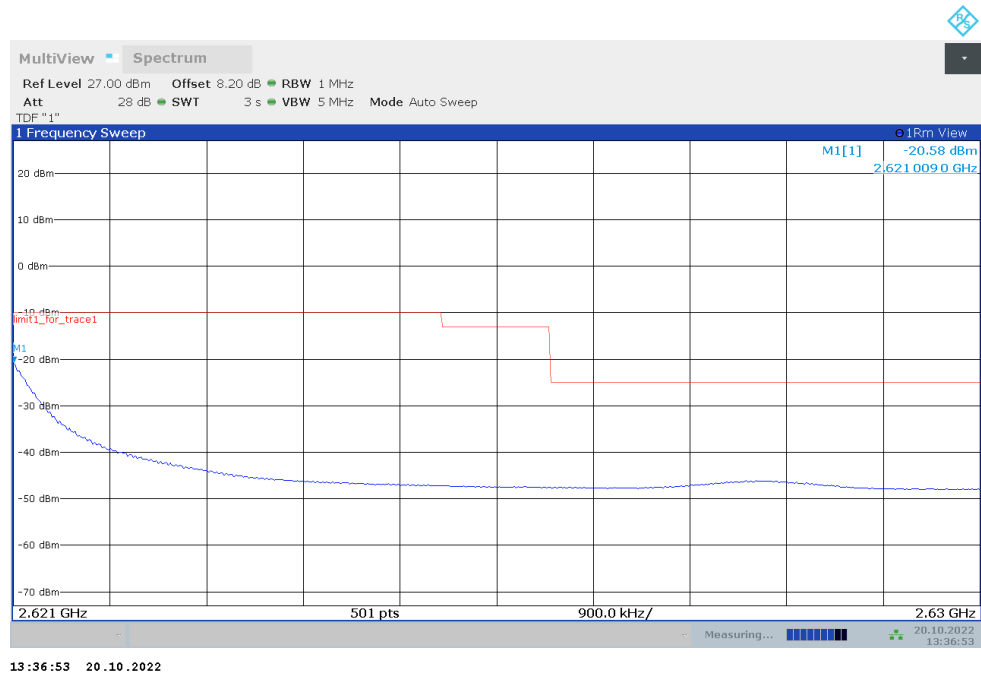
OBW: 1RB-HIGH_offset



HIGH BAND EDGE BLOCK-1RB-HIGH_offset



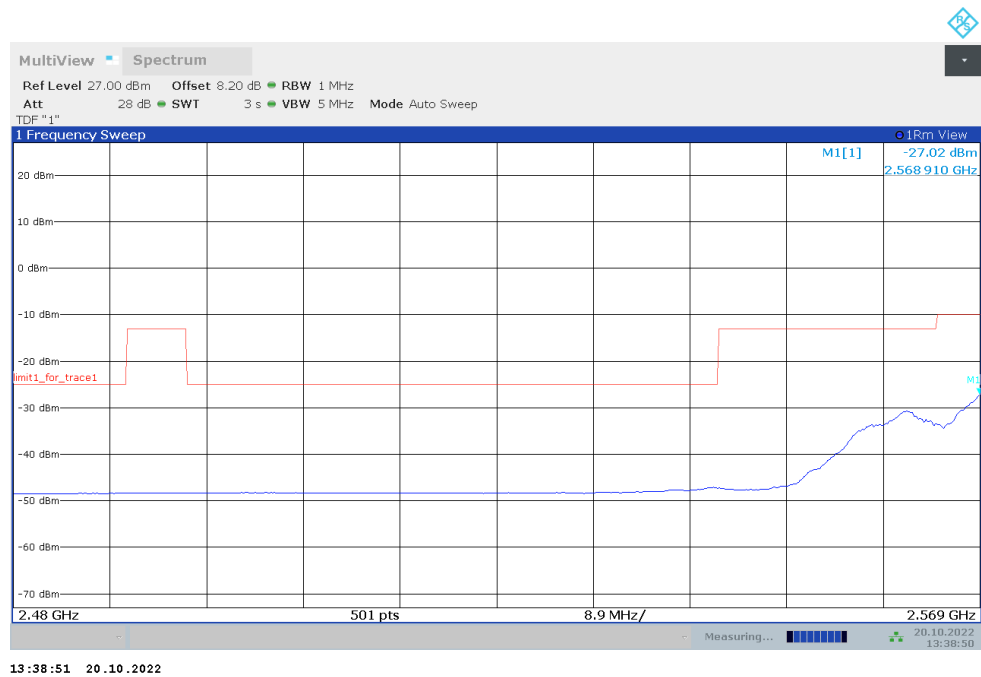
HIGH BAND EDGE BLOCK-1RB-HIGH_offset



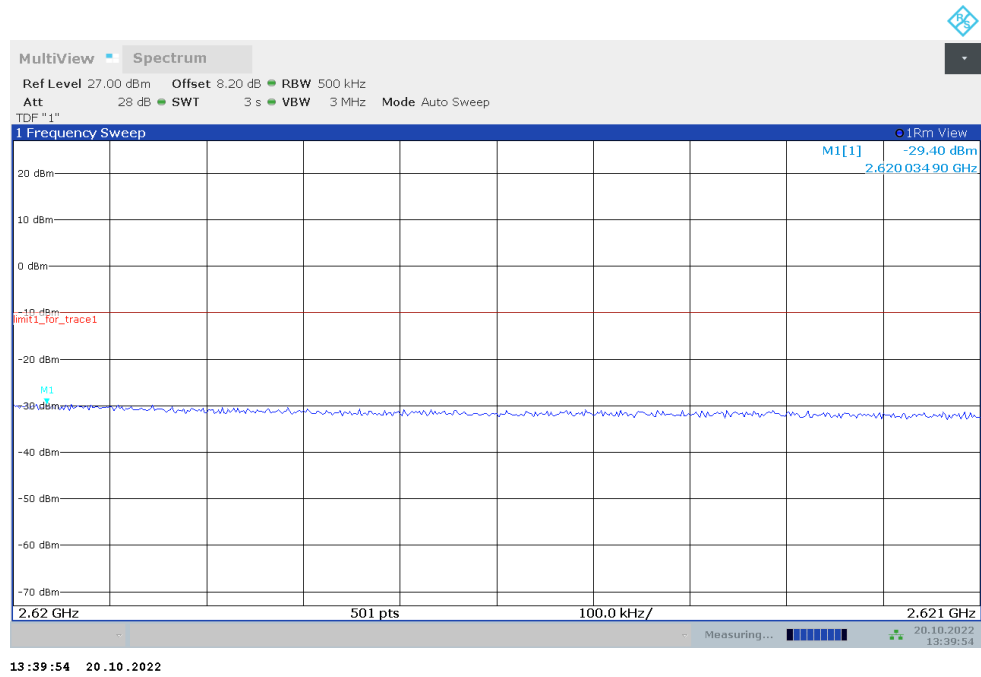
LOW BAND EDGE BLOCK-20M-100%RB



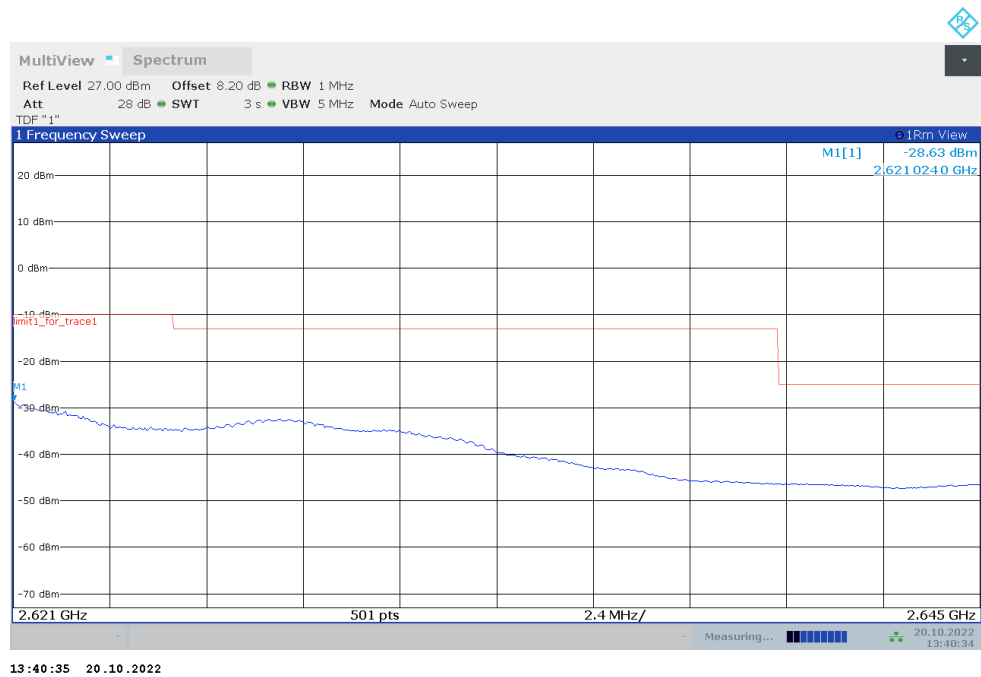
LOW BAND EDGE BLOCK-20M-100%RB



HIGH BAND EDGE BLOCK-20M-100%RB

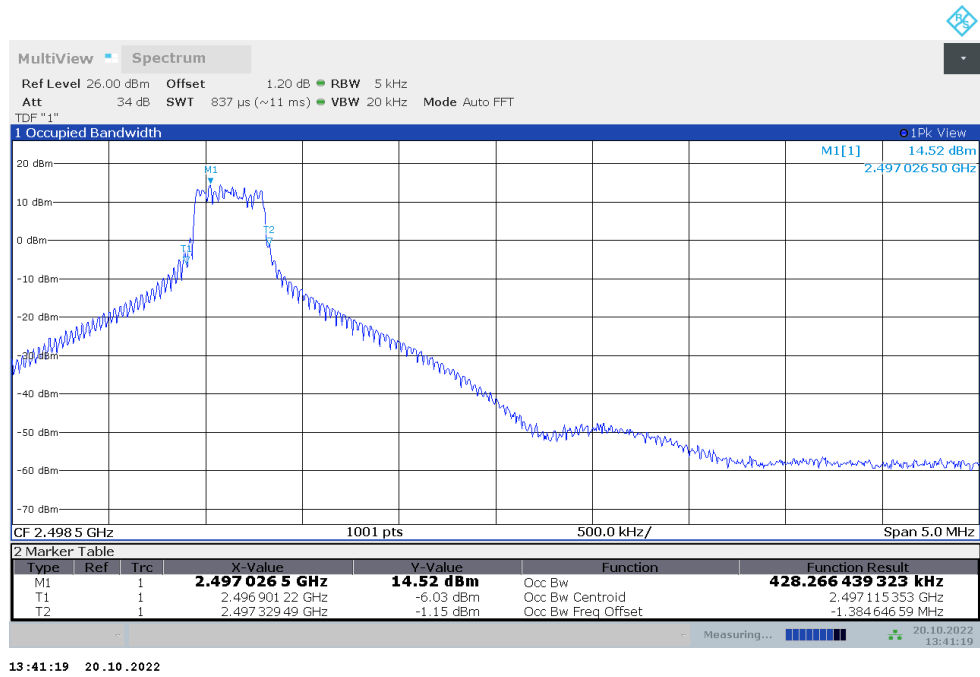


HIGH BAND EDGE BLOCK-20M-100%RB

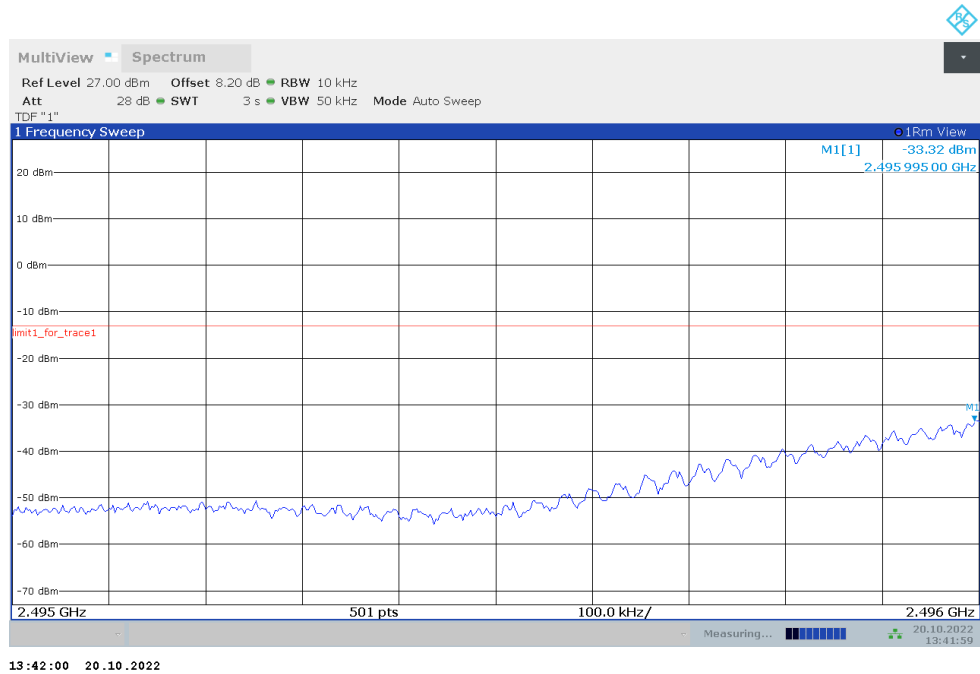


NR n41

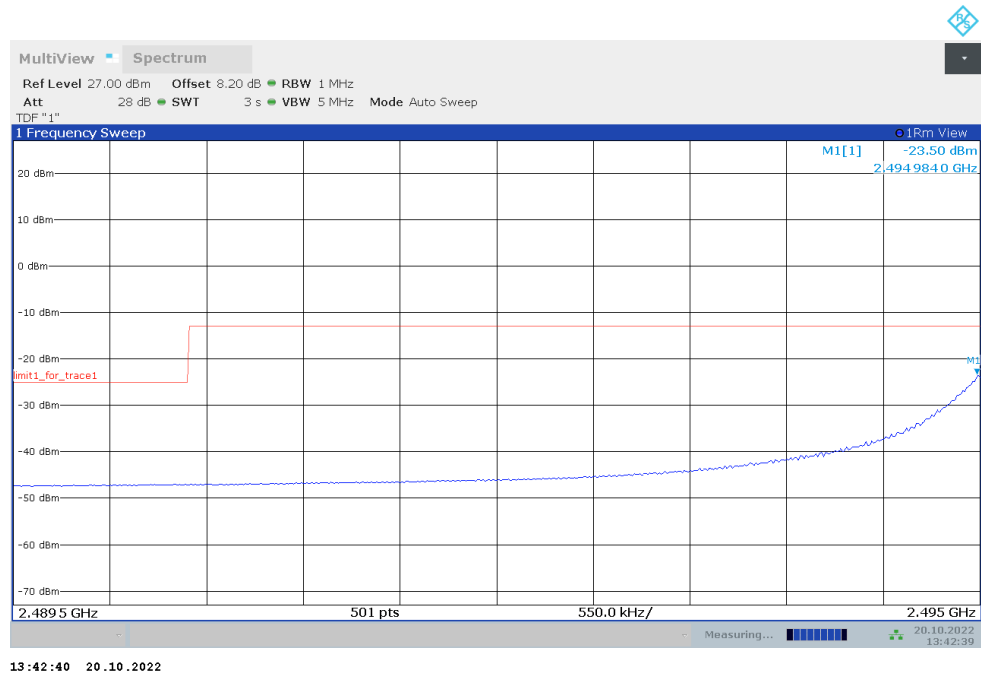
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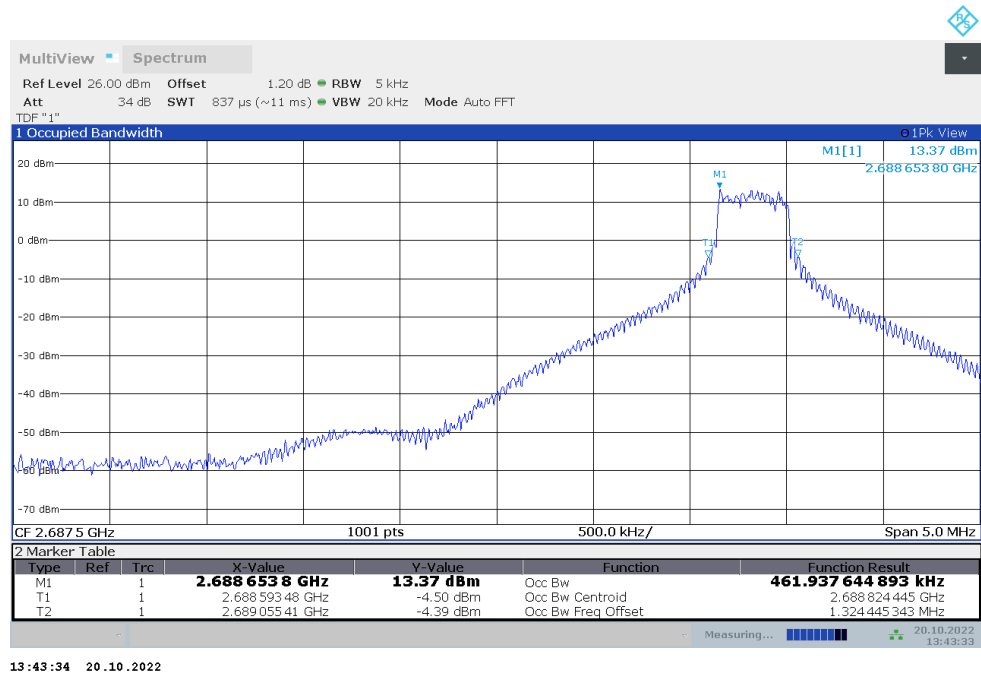
LOW BAND EDGE BLOCK-1RB-LOW_offset



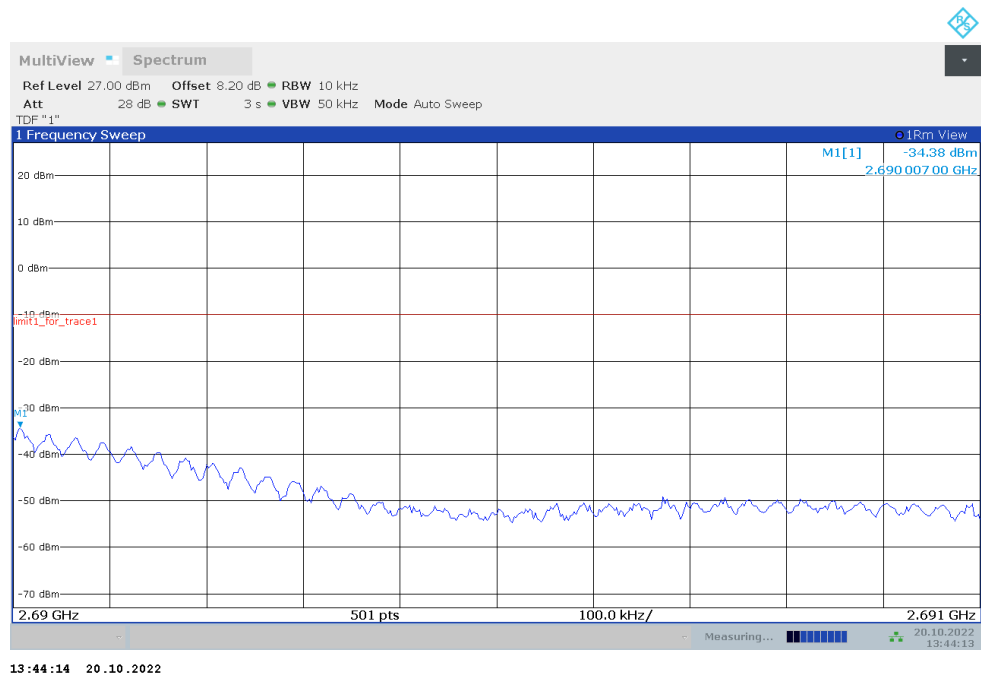
LOW BAND EDGE BLOCK-1RB-LOW_offset



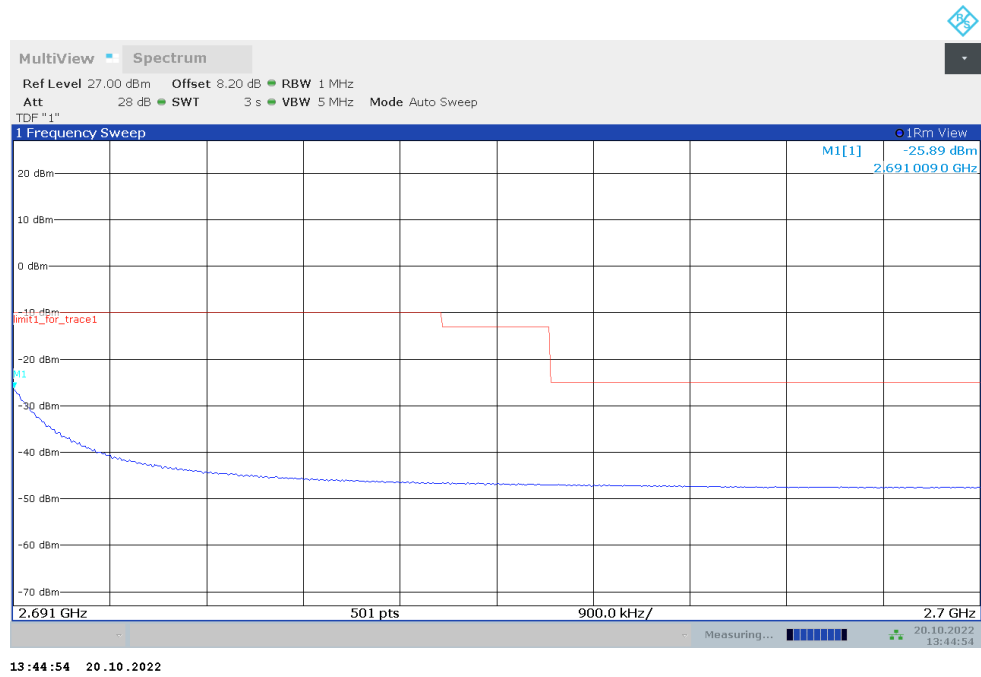
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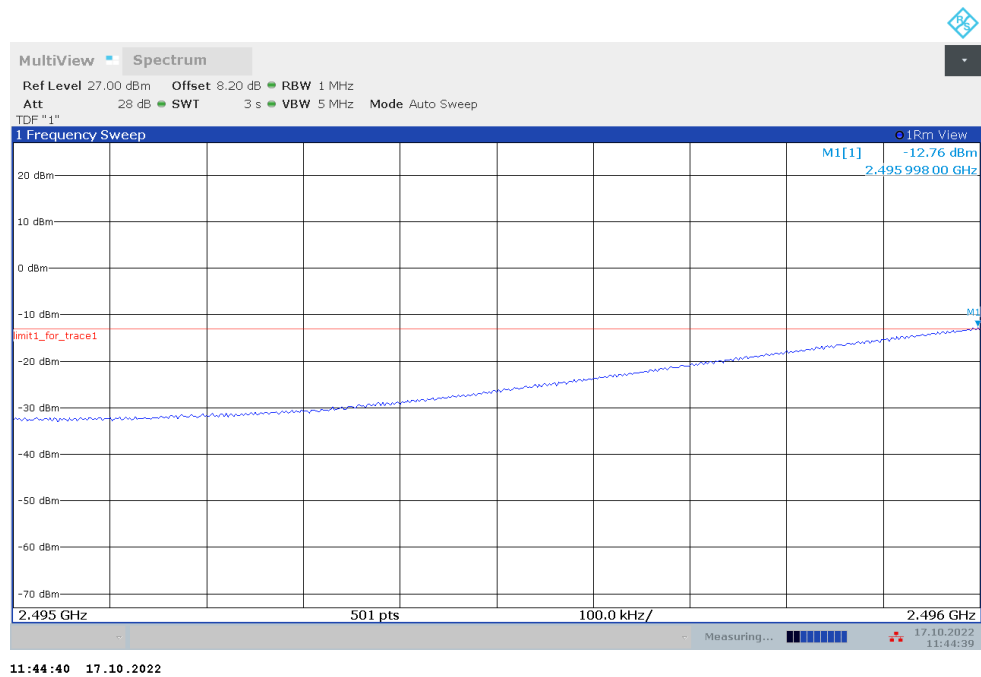
HIGH BAND EDGE BLOCK-1RB-HIGH_offset



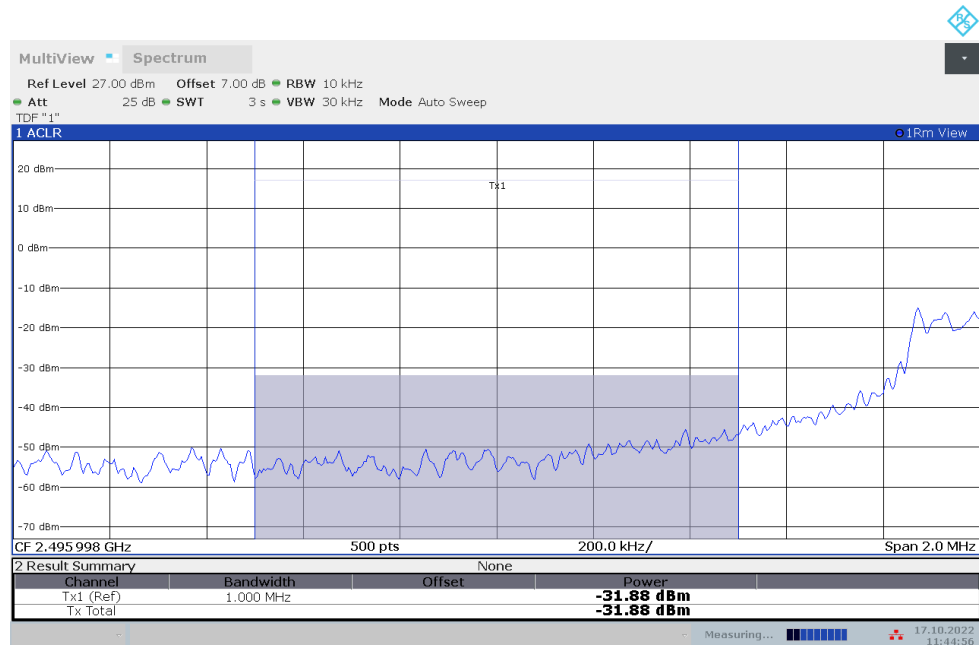
HIGH BAND EDGE BLOCK-1RB-HIGH_offset



LOW BAND EDGE BLOCK-100M-100%RB

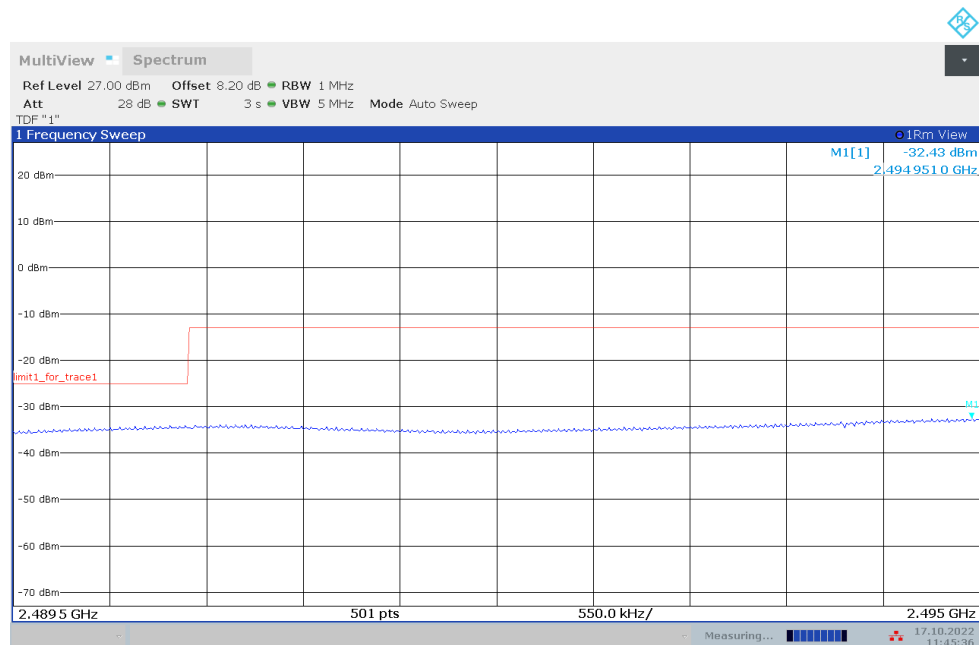


Channel Power



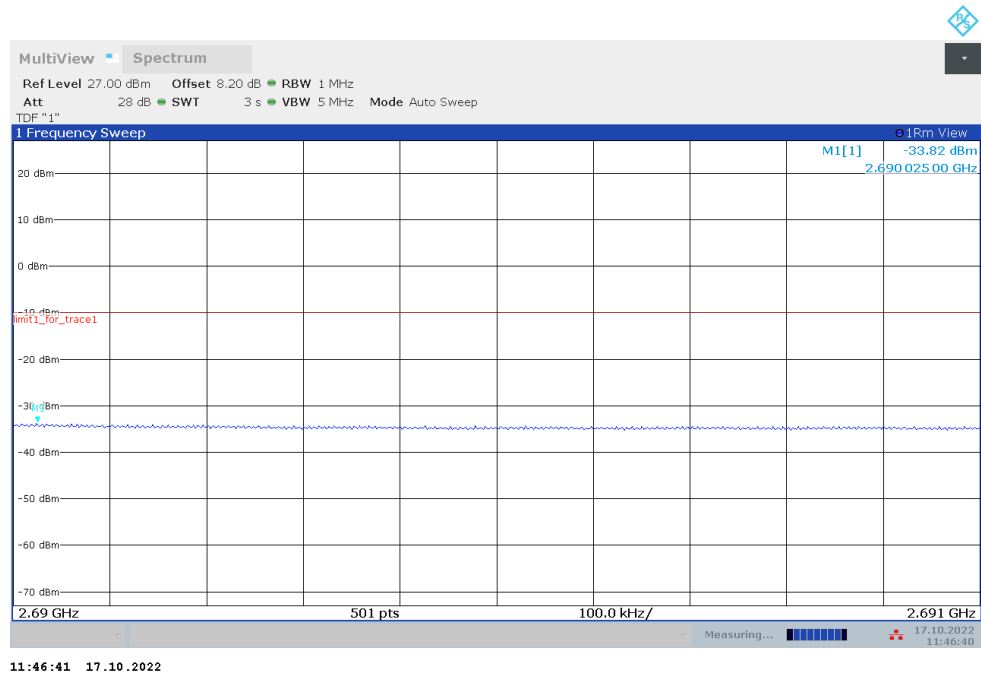
11:44:57 17.10.2022

LOW BAND EDGE BLOCK-100M-100%RB

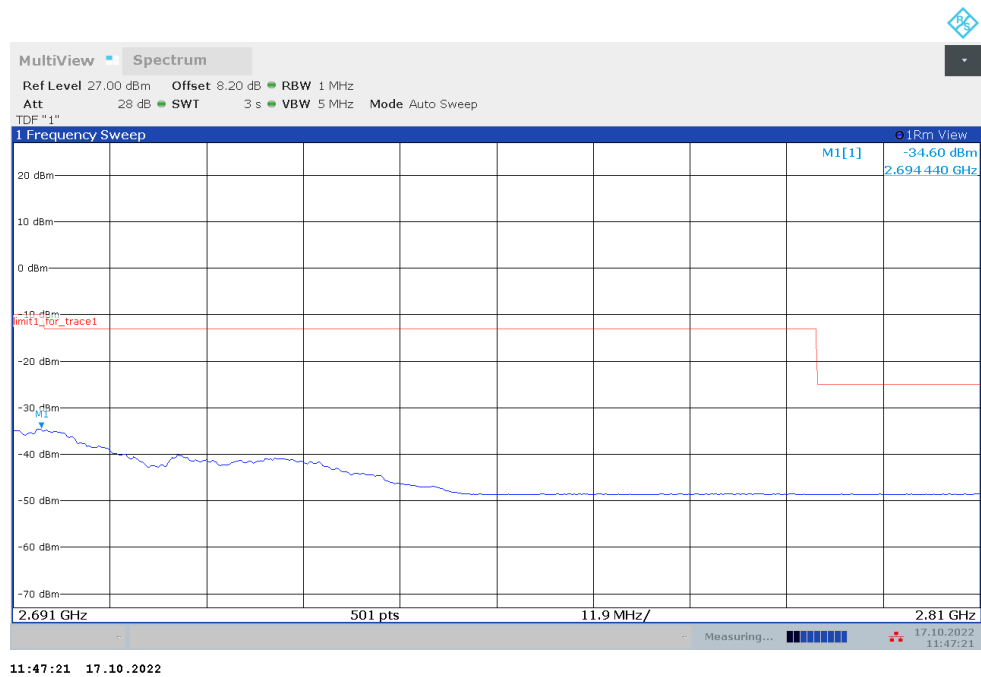


11:45:37 17.10.2022

HIGH BAND EDGE BLOCK-100M-100%RB

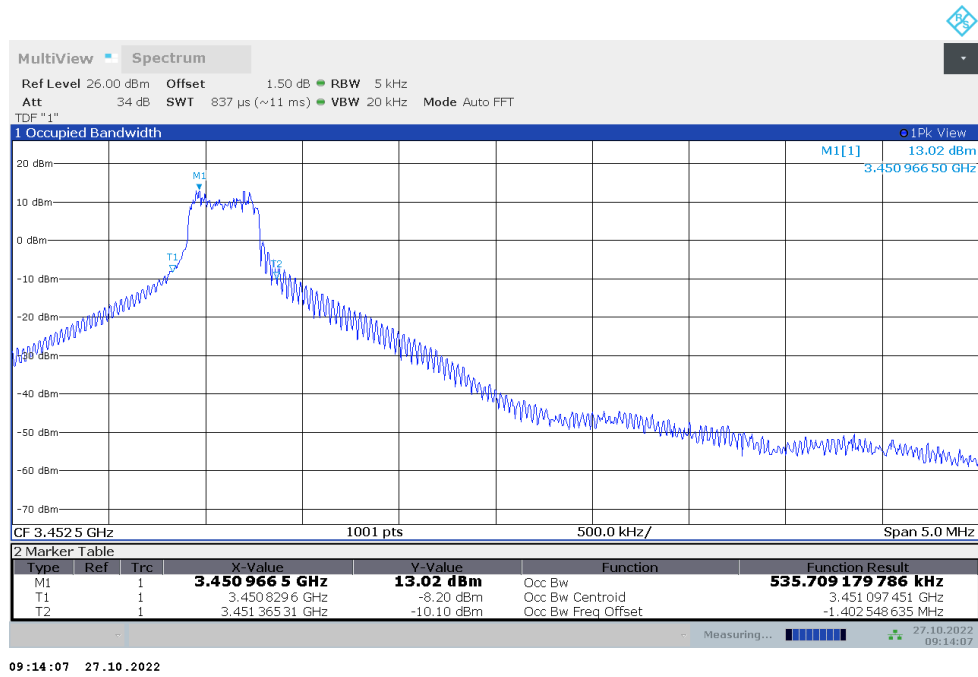


HIGH BAND EDGE BLOCK-100M-100%RB

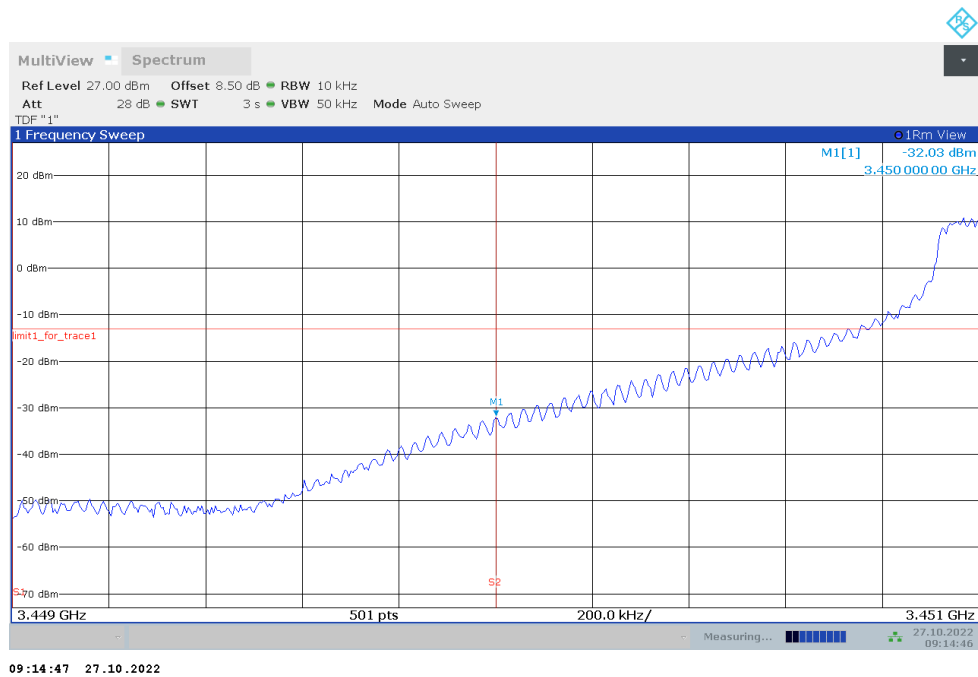


NR n78L

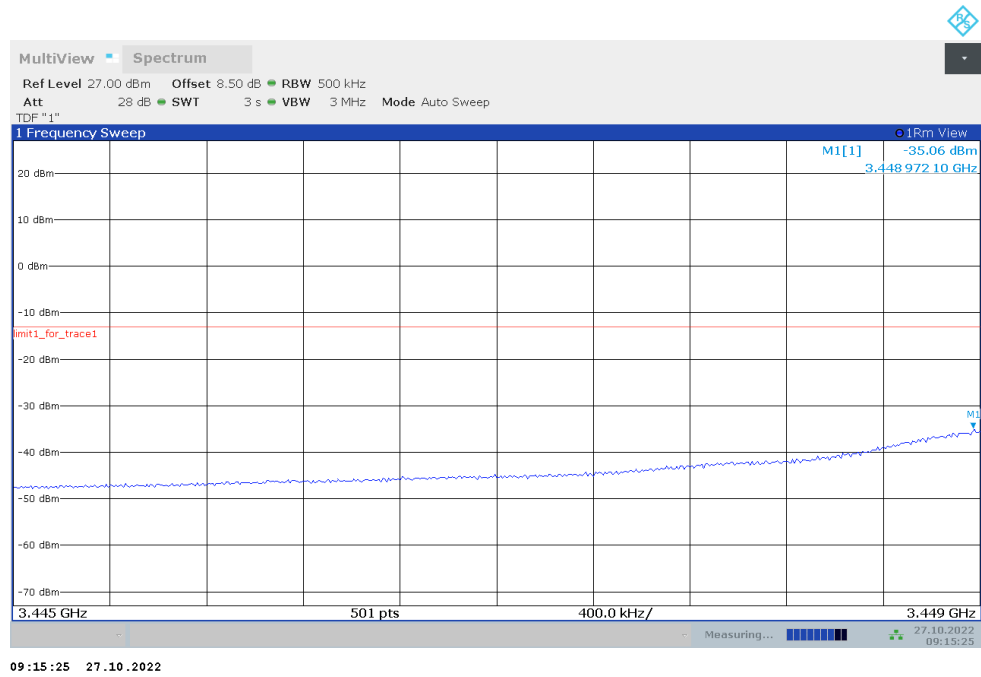
OBW: 1RB-LOW_offset



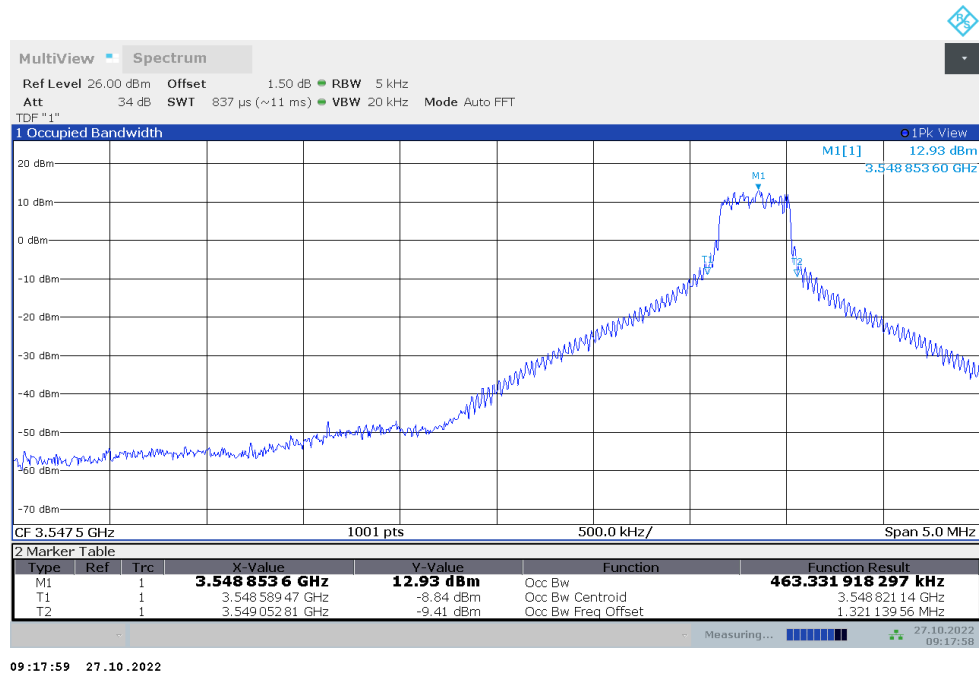
LOW BAND EDGE BLOCK-1RB-LOW_offset



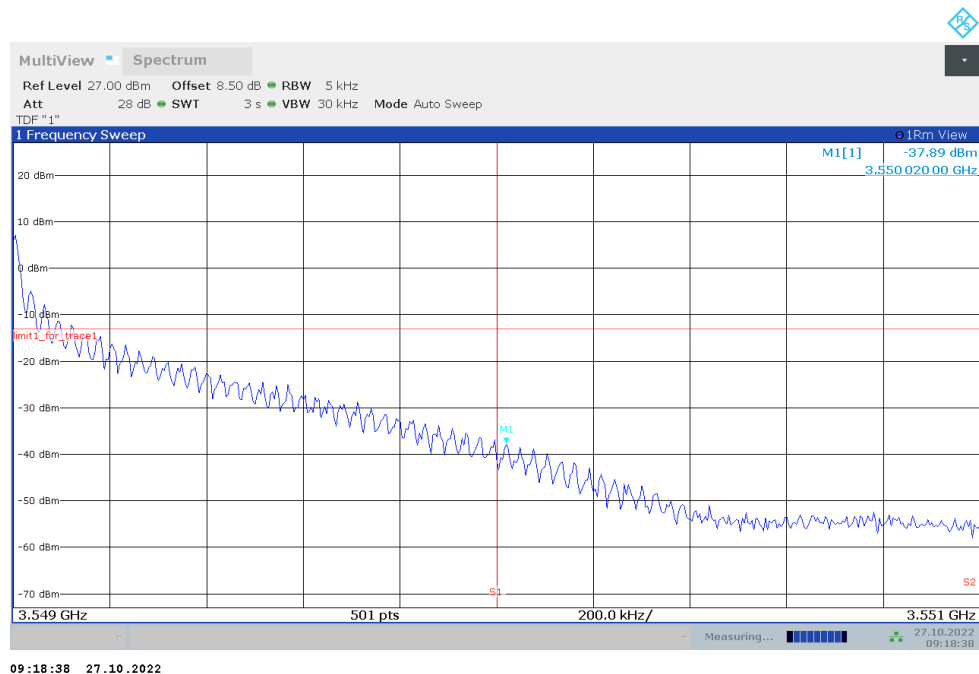
LOW BAND EDGE BLOCK-1RB-LOW_offset



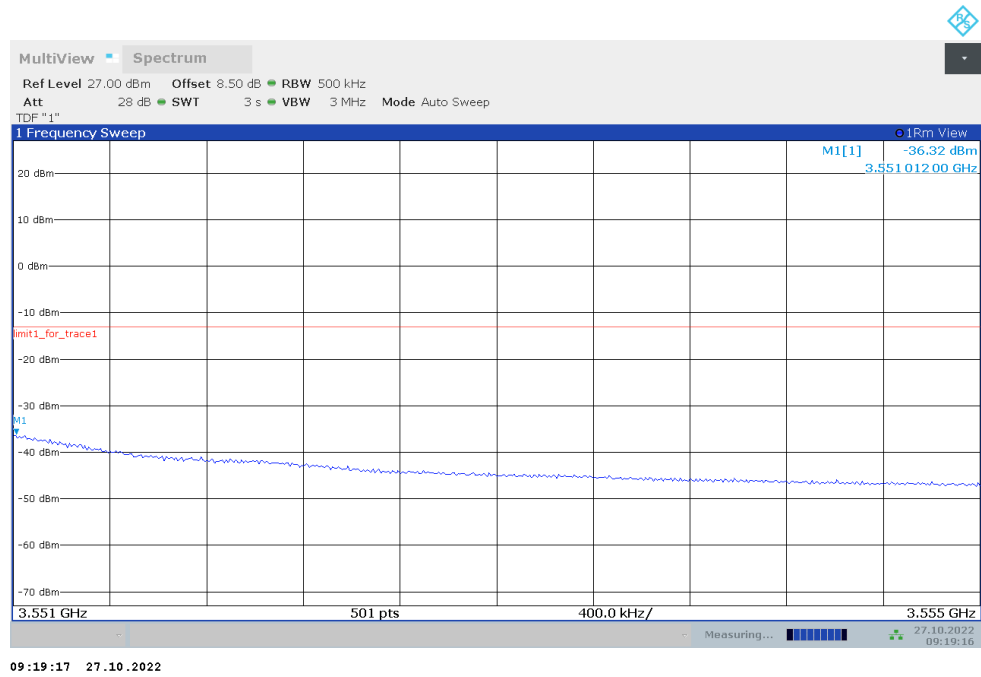
OBW: 1RB-HIGH_offset



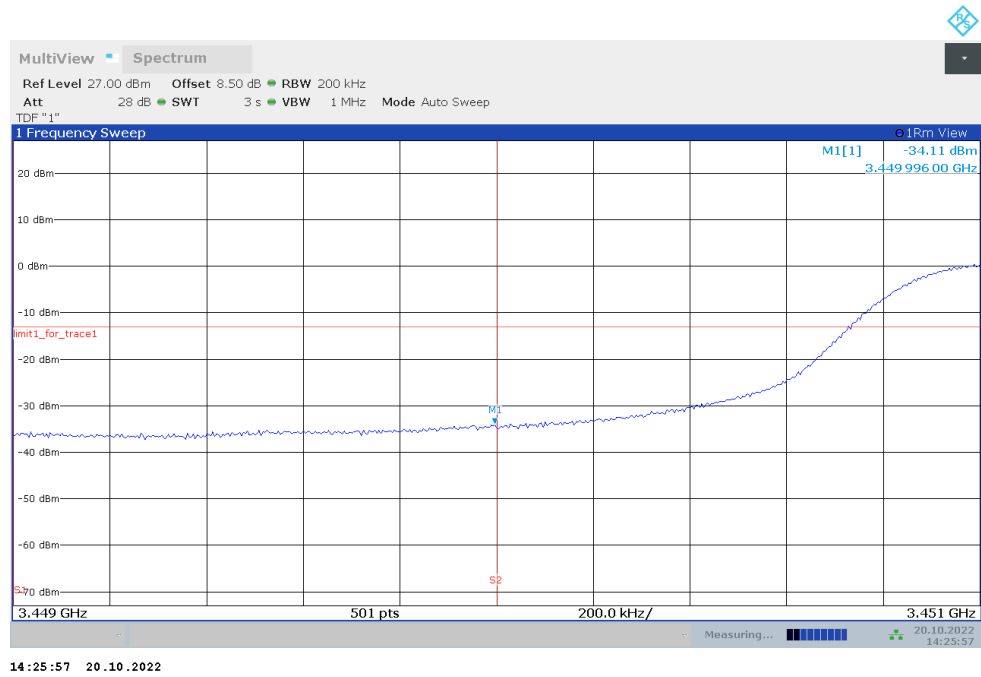
HIGH BAND EDGE BLOCK-1RB-HIGH_offset



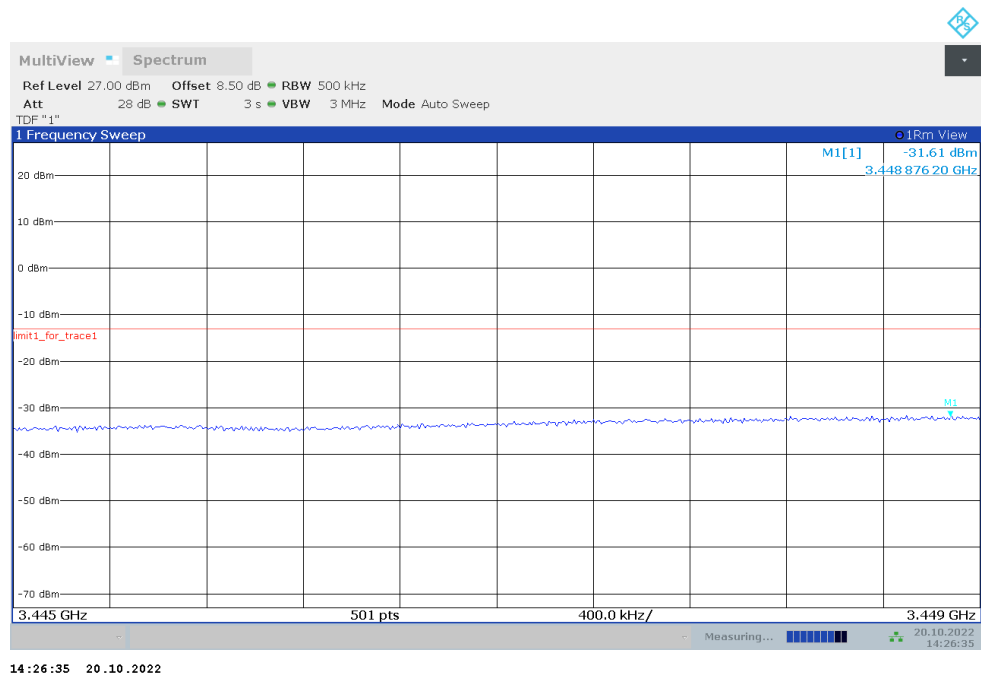
HIGH BAND EDGE BLOCK-1RB-HIGH_offset



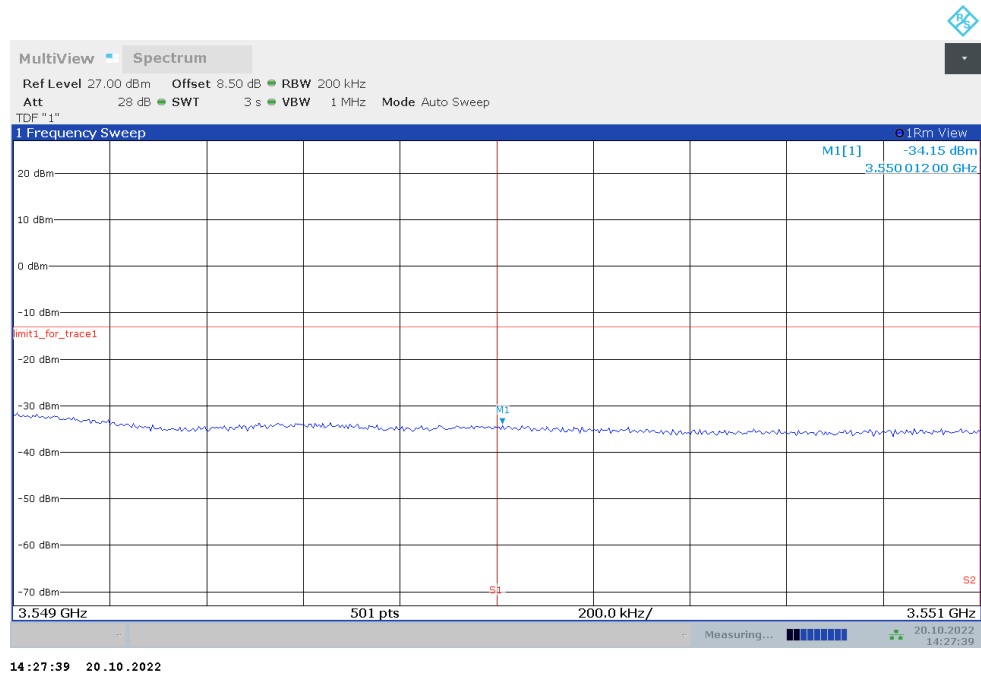
LOW BAND EDGE BLOCK-90M-100%RB



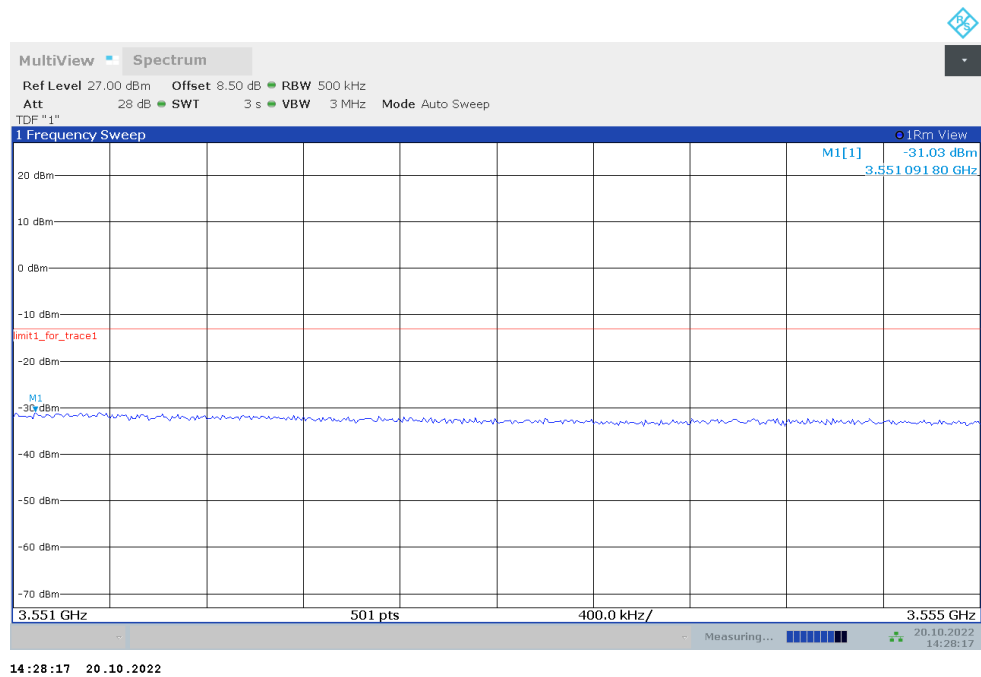
LOW BAND EDGE BLOCK-90M-100%RB



HIGH BAND EDGE BLOCK-90M-100%RB



HIGH BAND EDGE BLOCK-90M-100%RB



Note: The maximum value of expanded measurement uncertainty for this test item is $U = 0.626 \text{ kHz}$, $k = 2$.

A.7 Conducted Spurious Emission

A.7.1 Measurement Method

The following steps outline the procedure used to measure the conducted emissions from the EUT.

1. In measuring unwanted emissions, the spectrum shall be investigated from 30 MHz or the lowest radio frequency signal generated in the equipment, whichever is lower, without going below 9 kHz, up to at least the frequency given below:
 - (a) If the equipment operates below 10 GHz: to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.
 - (b) If the equipment operates at or above 10 GHz: to the fifth harmonic of the highest fundamental frequency or to 100 GHz, whichever is lower.
2. Determine EUT transmit frequencies: below outlines the band edge frequencies pertinent to conducted emissions testing.
3. The number of sweep points of spectrum analyzer is greater than $2 \times \text{span/RBW}$.

A. 7.2 Measurement Limit

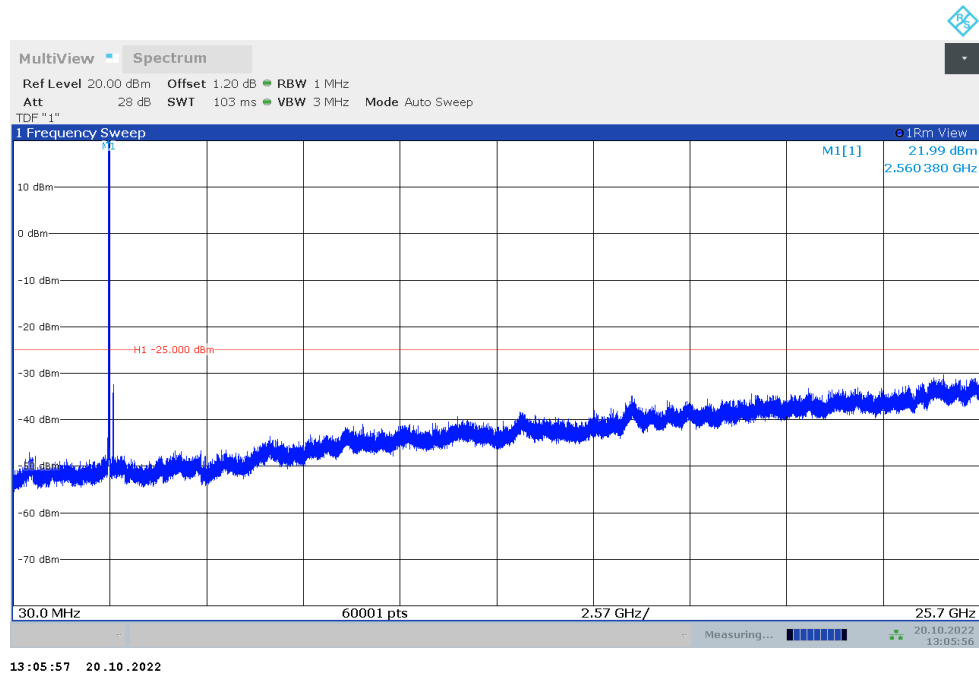
Part 27.53(m) specifies for mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Part 27.53(n) states for mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

A. 7.3 Measurement result

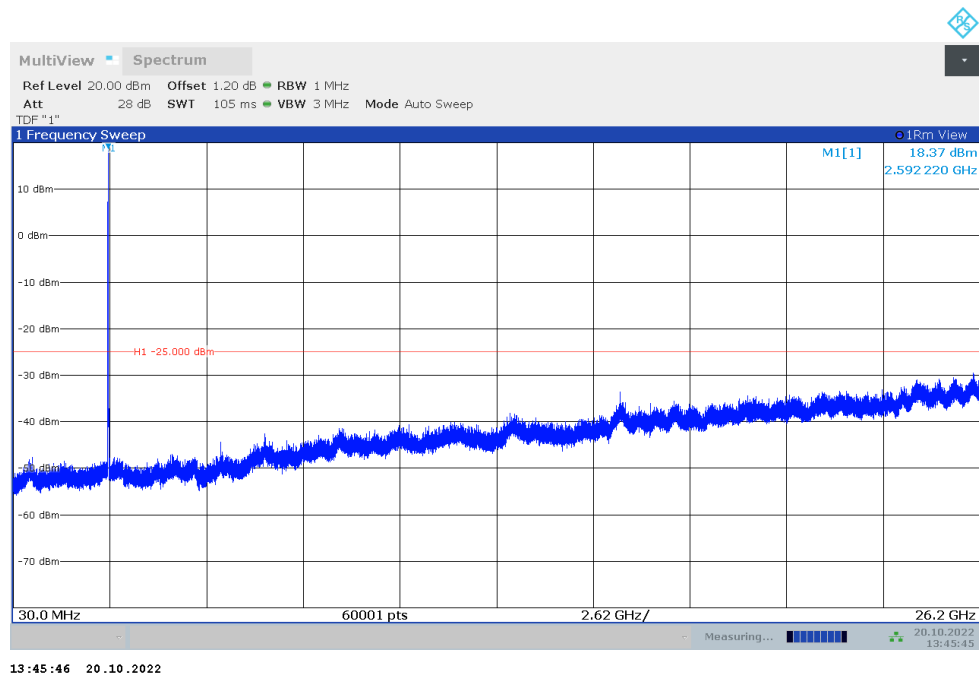
n7

NOTE: peak above the limit line is the carrier frequency.



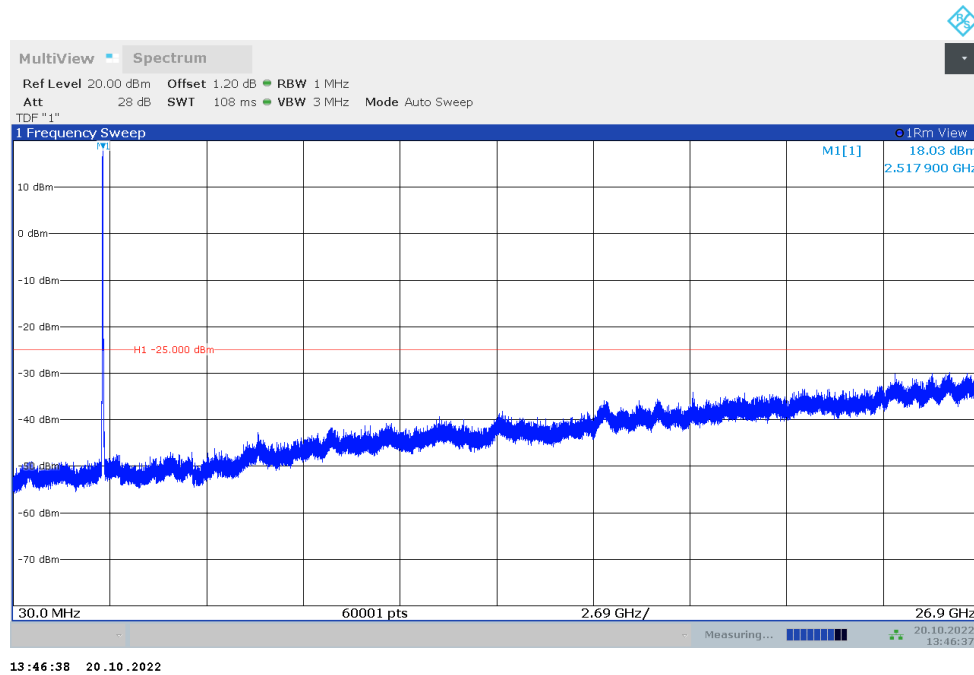
n38

NOTE: peak above the limit line is the carrier frequency.



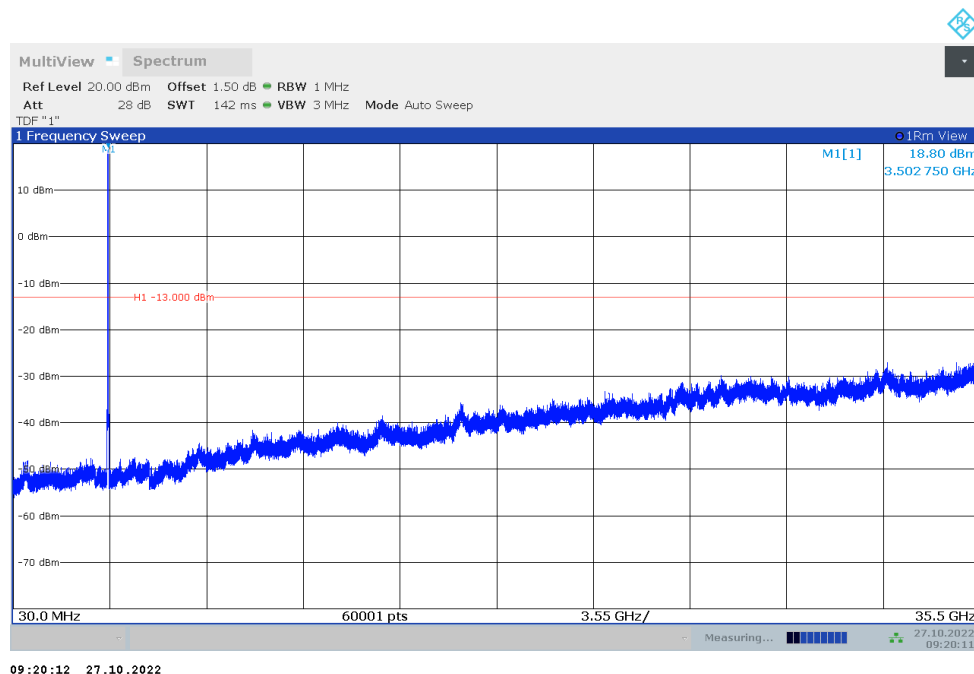
n41

NOTE: peak above the limit line is the carrier frequency.



n78L

NOTE: peak above the limit line is the carrier frequency.



Note: The maximum value of expanded measurement uncertainty for this test item is $U = 0.372 \text{ dB}$, $k = 2$.

A.8 Peak-to-Average Power Ratio

The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB

- Refer to instrument's analyzer instruction manual for details on how to use the power statistics/CCDF function;
- Set resolution/measurement bandwidth $\geq$ signal's occupied bandwidth;
- Set the number of counts to a value that stabilizes the measured CCDF curve;
- Record the maximum PAPR level associated with a probability of 0.1%.

Measurement results

n7,20MHz

Frequency (MHz)	PAPR (dB)								
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM	DFT-s-64QAM	DFT-s-256QAM	CP-QPSK	CP-16QAM	CP-64QAM	CP-256QAM
2535	3.98	5.42	6.40	6.36	6.58	7.08	6.96	7.54	8.50

n38,20MHz

Frequency (MHz)	PAPR (dB)								
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM	DFT-s-64QAM	DFT-s-256QAM	CP-QPSK	CP-16QAM	CP-64QAM	CP-256QAM
2595	4.27	5.52	6.49	6.63	7.01	7.60	7.56	7.28	8.65

n41,100MHz

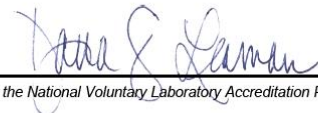
Frequency (MHz)	PAPR (dB)								
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM	DFT-s-64QAM	DFT-s-256QAM	CP-QPSK	CP-16QAM	CP-64QAM	CP-256QAM
2592.99	4.58	5.63	6.40	6.62	6.72	7.29	7.24	7.74	8.52

n78L,90MHz

Frequency (MHz)	PAPR (dB)								
	DFT-s-pi/2 BPSK	DFT-s-QPSK	DFT-s-16QAM	DFT-s-64QAM	DFT-s-256QAM	CP-QPSK	CP-16QAM	CP-64QAM	CP-256QAM
3500.01	4.15	4.70	5.71	6.17	6.50	6.55	7.02	6.98	8.36

Note: The maximum value of expanded measurement uncertainty for this test item is $U = 0.356$ dB, $k = 2$.

Annex B: Accreditation Certificate

United States Department of Commerce National Institute of Standards and Technology NVLAP[®] 	
Certificate of Accreditation to ISO/IEC 17025:2017	
NVLAP LAB CODE: 600118-0	
Telecommunication Technology Labs, CAICT Beijing China	
<i>is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:</i>	
Electromagnetic Compatibility & Telecommunications	
<i>This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).</i>	
2022-10-01 through 2023-09-30 <i>Effective Dates</i>	 DEPARTMENT OF COMMERCE UNITED STATES OF AMERICA  For the National Voluntary Laboratory Accreditation Program

END OF REPORT