Appendix A

FCC ID: 2BAF2-R801

Appendix of LTE

Content

Appendix A.1: Conducted Output Power.....2
Appendix A.2: Peak-To-Average Ratio 19
Appendix A.3: Occupy Bandwidth.....22
Appendix A.4: Modulation Characteristic 91
Appendix A.5: Out Of Band Emission At Antenna Terminals.....92
Appendix A.6: ERP, EIRP Measurement.....383
Appendix A.7: Field Strength Of Spurious Radiation Measurement 451
Appendix A.8: Frequency Stability V.S. Temperature Measurement 467
Appendix A.9: Frequency Stability V.S. Voltage Measurement.....470

Appendix A.1: Conducted Output Power

Measurement Data

LTE Band2

BW (MHz)	Frequency (MHz)	RB Configuration		Average Power [dBm]	
		Size	Offset	QPSK	16QAM
1.4	1850.7	1	0	23.89	22.71
		1	3	22.19	23.94
		1	5	24.09	22.11
		3	0	23.17	23.97
		3	2	22.73	22.75
		3	3	23.89	22.53
		6	0	22.23	22.81
	1880.0	1	0	24.40	22.97
		1	3	23.36	23.53
		1	5	22.74	22.65
		3	0	22.20	22.43
		3	2	22.12	22.37
		3	3	23.63	22.89
		6	0	23.09	23.26
	1909.3	1	0	23.14	22.38
		1	3	22.98	23.02
		1	5	22.82	23.23
		3	0	22.95	22.08
		3	2	23.37	23.18
		3	3	22.87	22.83
		6	0	22.98	22.43
3	1851.5	1	0	23.18	22.86
		1	7	22.79	23.00
		1	14	24.18	23.63
		8	0	22.68	22.44
		8	4	23.13	22.81
		8	7	22.91	23.01
		15	0	22.95	22.59
	1880.0	1	0	22.40	22.65
		1	7	22.86	22.85
		1	14	22.91	22.47
		8	0	22.54	22.05
		8	4	22.39	22.60
		8	7	22.54	23.11
		15	0	23.04	22.40
	1908.5	1	0	22.99	22.21
		1	7	22.89	22.68
		1	14	23.12	22.01
		8	0	22.55	22.44
		8	4	22.93	22.32
		8	7	22.76	22.17
		15	0	22.51	22.63
5	1852.5	1	0	22.51	22.76
		1	12	23.25	22.14
		1	24	23.04	22.22
		12	0	22.55	22.36
		12	6	22.73	22.55
		12	13	22.60	22.29

		25	0	22.42	22.42
	1880.0	1	0	23.85	24.35
		1	12	23.02	23.44
		1	24	22.65	22.36
		12	0	22.26	22.71
		12	6	22.54	22.04
		12	13	22.02	22.86
		25	0	22.51	22.96
	1907.5	1	0	22.95	22.44
		1	12	22.15	22.29
		1	24	22.23	22.22
		12	0	22.78	23.08
		12	6	22.29	22.79
		12	13	22.66	22.39
		25	0	22.87	23.24
10	1855.0	1	0	23.78	23.07
		1	24	22.87	22.88
		1	49	23.20	22.39
		25	0	23.25	22.34
		25	12	22.53	23.12
		25	25	23.32	22.88
		50	0	23.19	22.73
	1880.0	1	0	22.06	23.75
		1	24	23.94	24.06
		1	49	23.21	22.31
		25	0	22.87	23.15
		25	12	22.56	22.37
		25	25	22.95	22.46
		50	0	22.50	22.83
	1905.0	1	0	23.87	22.71
		1	24	22.45	22.97
		1	49	22.70	23.26
		25	0	22.56	22.46
		25	12	23.25	22.54
		25	25	22.67	22.80
		50	0	23.04	22.41
15	1857.5	1	0	23.01	22.83
		1	37	22.67	23.59
		1	74	22.32	22.77
		37	0	22.84	22.30
		37	18	22.78	22.48
		37	38	22.65	22.98
		75	0	24.13	22.35
	1880.0	1	0	22.45	23.82
		1	37	23.72	22.75
		1	74	23.15	22.52
		37	0	22.55	22.67
		37	18	22.03	22.62
		37	38	23.06	22.50
		75	0	22.48	22.74
	1902.5	1	0	22.15	22.81
		1	37	23.48	22.56
		1	74	22.49	22.78

		37	0	22.98	22.69
		37	18	22.90	22.74
		37	38	22.38	23.08
		75	0	22.29	22.49
20	1860.0	1	0	**24.97**	**24.88**
		1	49	23.33	23.40
		1	99	22.77	23.27
		50	0	22.07	23.09
		50	25	23.25	22.73
		50	50	22.95	22.11
		100	0	22.72	22.27
	1880.0	1	0	24.78	24.71
		1	49	23.52	22.32
		1	99	24.30	22.48
		50	0	24.38	23.75
		50	25	24.34	22.98
		50	50	23.53	22.85
		100	0	23.41	23.20
	1900.0	1	0	24.85	24.59
		1	49	22.58	22.63
		1	99	22.35	22.96
		50	0	23.28	22.91
		50	25	23.55	22.63
		50	50	24.55	24.35
		100	0	22.35	22.11

LTE Band4

BW (MHz)	Frequency (MHz)	RB Configuration		Average Power [dBm]	
		Size	Offset	QPSK	16QAM
1.4	1710.7	1	0	23.85	22.78
		1	3	22.21	24.03
		1	5	24.11	22.28
		3	0	23.37	24.15
		3	2	22.63	22.77
		3	3	23.89	22.56
		6	0	22.18	22.85
	1732.5	1	0	24.40	22.78
		1	3	23.39	23.50
		1	5	22.93	22.67
		3	0	22.13	22.43
		3	2	22.12	22.42
		3	3	23.52	22.82
		6	0	23.16	23.13
	1754.3	1	0	22.97	22.51
		1	3	22.97	22.95
		1	5	22.81	23.30
		3	0	22.74	22.05
		3	2	23.32	23.19
		3	3	22.77	22.90
		6	0	23.10	22.39
3	1711.5	1	0	23.11	22.85
		1	7	22.85	23.09
		1	14	24.20	23.69
		8	0	22.53	22.22
		8	4	22.90	22.99
		8	7	22.97	22.99
		15	0	22.83	22.44
	1732.5	1	0	22.46	22.63
		1	7	22.98	22.91
		1	14	23.05	22.58
		8	0	22.53	22.17
		8	4	22.58	22.47
		8	7	22.50	23.02
		15	0	22.84	22.32
	1753.5	1	0	22.88	22.19
		1	7	22.79	22.64
		1	14	23.04	22.08
		8	0	22.37	22.44
		8	4	22.94	22.47
		8	7	22.73	22.13
		15	0	22.37	22.57
5	1712.5	1	0	22.37	22.77
		1	12	23.33	22.13
		1	24	22.99	22.18
		12	0	22.69	22.55
		12	6	22.64	22.69
		12	13	22.65	22.21
		25	0	22.40	22.24
	1732.5	1	0	23.67	24.48

		1	12	23.02	23.45
		1	24	22.65	22.34
		12	0	22.17	22.86
		12	6	22.42	22.19
		12	13	21.96	22.77
		25	0	22.51	22.86
	1752.5	1	0	22.80	22.33
		1	12	22.26	22.23
		1	24	22.27	22.20
		12	0	22.73	22.92
		12	6	22.42	22.86
		12	13	22.53	22.51
		25	0	22.79	23.17
10	1715.0	1	0	23.93	23.14
		1	24	22.89	23.04
		1	49	23.04	22.41
		25	0	23.14	22.37
		25	12	22.36	23.06
		25	25	23.55	22.96
		50	0	23.30	22.79
	1732.5	1	0	21.98	23.69
		1	24	23.88	24.08
		1	49	23.12	22.45
		25	0	22.84	23.03
		25	12	22.55	22.41
		25	25	22.99	22.38
		50	0	22.48	22.76
	1750.0	1	0	23.81	22.59
		1	24	22.43	22.84
		1	49	22.58	23.34
		25	0	22.59	22.37
		25	12	23.23	22.58
		25	25	22.73	22.61
		50	0	22.96	22.42
15	1717.5	1	0	23.12	22.81
		1	37	22.50	23.68
		1	74	22.26	22.81
		37	0	22.74	22.33
		37	18	22.84	22.50
		37	38	22.56	22.77
		75	0	24.09	22.21
	1732.5	1	0	22.38	23.67
		1	37	23.67	22.78
		1	74	23.15	22.50
		37	0	22.54	22.81
		37	18	22.09	22.66
		37	38	22.97	22.71
		75	0	22.45	22.85
	1747.5	1	0	22.07	22.87
		1	37	23.44	22.63
		1	74	22.52	22.79
		37	0	22.97	22.75
		37	18	22.92	22.79

		37	38	22.30	23.06
		75	0	22.43	22.36
20	1722.0	1	0	**24.95**	**24.90**
		1	49	23.31	23.59
		1	99	22.66	23.34
		50	0	22.08	22.96
		50	25	23.20	22.69
		50	50	22.86	22.25
		100	0	22.60	22.06
	1732.5	1	0	24.85	24.73
		1	49	23.63	22.13
		1	99	24.44	22.57
		50	0	24.31	23.82
		50	25	24.37	23.06
		50	50	23.47	22.82
		100	0	23.27	23.27
	1745.0	1	0	24.91	24.47
		1	49	22.54	22.61
		1	99	22.51	22.95
		50	0	23.34	23.06
		50	25	23.55	22.64
		50	50	24.58	24.41
		100	0	22.22	22.14

LTE Band5

BW (MHz)	Frequency (MHz)	RB Configuration		Average Power [dBm]	
		Size	Offset	QPSK	16QAM
1.4	824.7	1	0	24.10	22.83
		1	3	22.54	23.52
		1	5	24.14	23.14
		3	0	24.04	23.58
		3	2	22.14	22.37
		3	3	23.06	22.35
		6	0	22.53	23.00
	836.5	1	0	23.59	23.32
		1	3	23.65	23.08
		1	5	23.23	22.72
		3	0	22.07	22.65
		3	2	22.12	22.11
		3	3	23.78	22.63
		6	0	22.53	22.83
	848.3	1	0	23.27	22.73
		1	3	22.36	23.03
		1	5	22.05	22.46
		3	0	22.60	23.03
		3	2	22.50	22.87
		3	3	22.24	22.10
		6	0	23.32	22.04
3	824.5	1	0	23.43	23.12
		1	7	22.71	23.08
		1	14	24.23	23.21
		8	0	23.18	22.51
		8	4	22.77	22.35
		8	7	22.21	22.48
		15	0	22.82	22.15
	836.5	1	0	23.13	22.64
		1	7	22.29	22.37
		1	14	22.54	22.51
		8	0	22.75	22.71
		8	4	22.30	23.34
		8	7	22.50	22.50
		15	0	22.56	22.34
	847.5	1	0	23.32	22.34
		1	7	22.83	22.85
		1	14	22.09	22.48
		8	0	23.26	22.83
		8	4	22.93	22.16
		8	7	22.64	22.99
		15	0	22.42	23.14
5	824.5	1	0	22.19	22.71
		1	12	22.73	22.32
		1	24	22.50	22.48
		12	0	22.33	22.08
		12	6	22.99	22.44
		12	13	22.42	22.53
		25	0	22.46	22.51
	836.5	1	0	24.13	24.15

		1	12	23.10	24.50
		1	24	22.61	22.37
		12	0	22.70	22.72
		12	6	22.97	22.82
		12	13	22.46	22.29
		25	0	23.04	22.67
	846.5	1	0	22.85	22.10
		1	12	22.75	22.69
		1	24	22.52	23.08
		12	0	22.40	23.20
		12	6	22.37	22.81
		12	13	22.50	22.85
		25	0	22.06	22.84
10	829.0	1	0	**24.87**	**24.75**
		1	24	22.91	24.57
		1	49	22.20	22.80
		25	0	24.08	23.65
		25	12	22.87	22.82
		25	25	22.53	22.65
		50	0	23.12	22.71
	836.5	1	0	22.47	23.72
		1	24	24.02	23.76
		1	49	22.88	22.47
		25	0	22.34	23.17
		25	12	22.68	22.46
		25	25	22.74	22.10
		50	0	22.20	22.55
	844.0	1	0	24.34	24.22
		1	24	23.04	22.83
		1	49	22.93	22.81
		25	0	22.96	22.26
		25	12	22.34	23.29
		25	25	22.22	22.96
		50	0	22.41	22.72

LTE Band7

BW (MHz)	Frequency (MHz)	RB Configuration		Average Power [dBm]	
		Size	Offset	QPSK	16QAM
5	2502.5	1	0	24.24	23.00
		1	12	22.61	23.33
		1	24	23.98	23.05
		12	0	24.01	23.51
		12	6	22.24	22.45
		12	13	23.15	22.22
		25	0	22.49	23.19
	2535.0	1	0	23.65	23.46
		1	12	23.62	23.14
		1	24	23.16	22.68
		12	0	22.18	22.68
		12	6	22.30	22.02
		12	13	23.63	22.65
		25	0	22.53	22.95
	2567.5	1	0	23.35	22.72
		1	12	22.38	22.94
		1	24	22.21	22.54
		12	0	22.49	23.05
		12	6	22.63	22.97
		12	13	22.34	22.22
		25	0	23.34	22.10
10	2505.0	1	0	23.36	23.10
		1	24	22.78	23.24
		1	49	24.27	23.33
		25	0	23.19	22.44
		25	12	22.81	22.33
		25	25	22.32	22.65
		50	0	22.95	22.08
	2535.0	1	0	23.19	22.56
		1	24	22.09	22.42
		1	49	22.52	22.52
		25	0	22.60	22.74
		25	12	22.14	23.37
		25	25	22.35	22.52
		50	0	22.56	22.33
	2565.0	1	0	23.22	22.30
		1	24	22.94	22.76
		1	49	22.15	22.41
		25	0	23.15	22.84
		25	12	22.98	22.25
		25	25	22.76	23.01
		50	0	22.46	23.19
15	2507.5	1	0	22.30	22.87
		1	37	22.68	22.39
		1	74	22.43	22.41
		37	0	22.32	22.18
		37	18	22.99	22.32
		37	38	22.29	22.48
		75	0	22.39	22.43
	2535.0	1	0	24.21	24.28

		1	37	23.18	24.35
		1	74	22.62	22.31
		37	0	22.71	22.72
		37	18	22.88	22.97
		37	38	22.59	22.30
		75	0	22.96	22.65
	2562.5	1	0	22.81	22.23
		1	37	22.73	22.76
		1	74	22.62	23.04
		37	0	22.44	23.11
		37	18	22.46	22.88
		37	38	22.40	22.97
		75	0	22.14	22.72
20	2510.0	1	0	**24.89**	**24.86**
		1	49	23.12	24.51
		1	99	22.02	22.65
		50	0	23.99	23.67
		50	25	22.89	22.97
		50	50	22.55	22.53
		100	0	23.24	22.67
	2535.0	1	0	22.57	23.80
		1	49	24.10	23.68
		1	99	22.91	22.46
		50	0	22.32	23.17
		50	25	22.80	22.27
		50	50	22.86	22.05
		100	0	22.31	22.60
	2560	1	0	24.47	24.18
		1	49	23.02	22.89
		1	99	22.98	22.80
		50	0	22.92	22.08
		50	25	22.20	23.28
		50	50	22.16	23.03
		100	0	22.54	22.73

LTE Band12

BW (MHz)	Frequency (MHz)	RB Configuration		Average Power [dBm]	
		Size	Offset	QPSK	16QAM
1.4	699.7	1	0	24.06	22.98
		1	3	22.54	23.49
		1	5	24.10	23.05
		3	0	24.12	23.37
		3	2	22.24	22.23
		3	3	23.01	22.40
		6	0	22.34	23.14
	707.5	1	0	23.67	23.52
		1	3	23.77	23.12
		1	5	23.05	22.66
		3	0	22.24	22.61
		3	2	22.30	22.12
		3	3	23.82	22.55
		6	0	22.43	22.99
	715.3	1	0	23.22	22.91
		1	3	22.39	22.87
		1	5	22.27	22.35
		3	0	22.59	23.02
		3	2	22.62	22.87
		3	3	22.37	22.16
		6	0	23.28	22.07
3	700.5	1	0	23.40	23.08
		1	7	22.68	23.15
		1	14	24.37	23.41
		8	0	23.19	22.40
		8	4	22.94	22.44
		8	7	22.17	22.45
		15	0	22.80	21.93
	707.5	1	0	23.02	22.55
		1	7	22.17	22.36
		1	14	22.60	22.39
		8	0	22.68	22.62
		8	4	22.18	23.51
		8	7	22.37	22.38
		15	0	22.38	22.44
	714.5	1	0	23.29	22.33
		1	7	22.96	22.92
		1	14	22.27	22.32
		8	0	23.17	22.84
		8	4	23.05	22.28
		8	7	22.65	22.88
		15	0	22.55	23.09
5	701.5	1	0	22.31	22.77
		1	12	22.69	22.51
		1	24	22.36	22.53
		12	0	22.40	22.30
		12	6	22.93	22.39
		12	13	22.45	22.47
		25	0	22.53	22.40
	707.5	1	0	24.10	24.23

		1	12	22.99	24.52
		1	24	22.49	22.37
		12	0	22.74	22.73
		12	6	23.01	22.73
		12	13	22.62	22.36
		25	0	22.82	22.56
	713.5	1	0	22.62	22.19
		1	12	22.64	22.75
		1	24	22.62	23.23
		12	0	22.39	23.17
		12	6	22.48	22.78
		12	13	22.42	22.79
		25	0	22.04	22.63
10	704	1	0	**24.88**	**24.80**
		1	24	23.07	24.40
		1	49	22.03	22.83
		25	0	24.13	23.67
		25	12	22.93	22.76
		25	25	22.58	22.69
		50	0	23.12	22.75
	707.5	1	0	22.37	23.84
		1	24	24.01	23.62
		1	49	22.73	22.37
		25	0	22.48	23.12
		25	12	22.66	22.32
		25	25	22.65	22.18
		50	0	22.34	22.39
	711.0	1	0	24.39	24.02
		1	24	23.02	22.75
		1	49	22.98	22.80
		25	0	22.94	22.23
		25	12	22.35	23.29
		25	25	22.24	22.88
		50	0	22.36	22.60

LTE Band17

BW (MHz)	Frequency (MHz)	RB Configuration		Average Power [dBm]	
		Size	Offset	QPSK	16QAM
5	706.5	1	0	24.41	22.91
		1	12	23.19	22.62
		1	24	23.88	23.51
		12	0	24.04	23.11
		12	6	22.18	22.62
		12	13	23.78	22.38
		25	0	22.74	22.93
	710.0	1	0	23.81	23.23
		1	12	24.38	22.57
		1	24	22.81	23.10
		12	0	22.97	22.60
		12	6	22.85	23.13
		12	13	23.39	22.27
		25	0	22.73	23.10
	713.5	1	0	22.89	23.11
		1	12	23.17	22.71
		1	24	22.77	22.12
		12	0	22.51	23.09
		12	6	22.46	22.71
		12	13	22.79	22.61
		25	0	23.21	22.75
10	709.0	1	0	23.67	22.61
		1	24	22.07	23.12
		1	49	24.17	23.25
		25	0	22.87	22.96
		25	12	22.48	22.92
		25	25	22.56	22.75
		50	0	22.93	22.86
	710.0	1	0	22.36	22.33
		1	24	22.73	22.44
		1	49	22.57	22.57
		25	0	22.84	22.84
		25	12	22.65	23.02
		25	25	22.90	22.44
		50	0	22.67	22.42
	711.0	1	0	**24.80**	**24.67**
		1	24	22.83	24.49
		1	49	22.72	22.13
		25	0	24.76	24.01
		25	12	22.97	22.45
		25	25	22.80	22.76
		50	0	22.93	22.85

LTE Band38

BW (MHz)	Frequency (MHz)	RB Configuration		Average Power [dBm]	
		Size	Offset	QPSK	16QAM
5	2572.5	1	0	23.06	23.32
		1	12	23.39	22.71
		1	24	22.49	22.84
		12	0	23.59	23.15
		12	6	24.04	22.83
		12	13	22.95	22.34
		25	0	23.55	22.94
	2595.0	1	0	23.70	23.07
		1	12	23.14	22.10
		1	24	22.82	22.28
		12	0	22.94	22.02
		12	6	22.12	22.79
		12	13	22.60	22.67
		25	0	22.20	22.53
	2617.5	1	0	22.20	22.80
		1	12	22.17	22.54
		1	24	22.93	22.18
		12	0	22.87	22.24
		12	6	22.46	22.30
		12	13	22.69	22.38
		25	0	22.48	22.41
10	2575.0	1	0	23.07	24.05
		1	24	23.05	22.07
		1	49	22.94	23.17
		25	0	23.96	22.46
		25	12	24.16	22.47
		25	25	23.28	22.66
		50	0	23.98	22.67
	2595.0	1	0	23.00	23.35
		1	24	23.50	22.67
		1	49	23.17	22.92
		25	0	23.31	22.92
		25	12	22.02	22.01
		25	25	22.62	22.80
		50	0	22.99	22.13
	2615.0	1	0	23.11	22.75
		1	24	22.78	22.16
		1	49	22.88	22.53
		25	0	22.95	22.75
		25	12	22.16	22.48
		25	25	22.96	22.42
		50	0	22.83	22.26
15	2577.5	1	0	22.41	23.03
		1	37	23.41	23.50

		1	74	23.06	22.92
		37	0	22.72	22.74
		37	18	22.73	22.36
		37	38	22.61	22.41
		75	0	22.63	23.03
	2595.0	1	0	22.65	22.66
		1	37	23.13	22.53
		1	74	22.85	22.31
		37	0	22.48	22.86
		37	18	22.75	22.82
		37	38	22.04	22.70
		75	0	22.63	23.00
	2612.5	1	0	22.96	22.68
		1	37	22.53	22.04
		1	74	22.88	22.81
		37	0	22.72	22.54
		37	18	23.12	22.11
		37	38	22.79	22.58
		75	0	22.26	21.94
20	2580.0	1	0	23.51	23.68
		1	49	23.52	22.82
		1	99	23.27	22.21
		50	0	23.23	22.33
		50	25	23.17	22.55
		50	50	22.41	22.44
		100	0	23.08	22.26
	2595.0	1	0	22.81	22.69
		1	49	22.65	23.16
		1	99	22.82	22.76
		50	0	22.56	22.25
		50	25	22.64	22.51
		50	50	22.50	22.91
		100	0	22.22	22.70
	2610.0	1	0	**24.21**	**24.11**
		1	49	22.44	22.33
		1	99	22.19	21.89
		50	0	22.29	22.57
		50	25	22.81	22.23
		50	50	22.84	22.09
		100	0	22.56	22.83

LTE Band41

BW (MHz)	Frequency (MHz)	RB Configuration		Average Power [dBm]	
		Size	Offset	QPSK	16QAM
5	2593.5	1	0	22.94	23.21
		1	12	23.24	22.73
		1	24	22.47	22.86
		12	0	23.59	23.36
		12	6	23.90	23.04
		12	13	22.95	22.32
		25	0	23.55	22.97
	2600	1	0	23.81	23.19
		1	12	22.98	22.07
		1	24	22.97	22.46
		12	0	23.00	21.97
		12	6	22.09	22.87
		12	13	22.80	22.62
		25	0	22.35	22.47
	2652.5	1	0	22.06	22.82
		1	12	22.10	22.62
		1	24	22.79	22.17
		12	0	22.79	22.11
		12	6	22.48	22.29
		12	13	22.62	22.29
		25	0	22.45	22.47
10	2560.0	1	0	23.25	24.10
		1	24	23.12	22.26
		1	49	23.03	23.14
		25	0	24.15	22.61
		25	12	24.23	22.30
		25	25	23.40	22.60
		50	0	23.98	22.83
	2600	1	0	22.99	23.38
		1	24	23.47	22.82
		1	49	23.00	23.01
		25	0	23.29	22.83
		25	12	22.11	22.13
		25	25	22.39	22.78
		50	0	22.91	22.22
	2650.0	1	0	22.89	22.60
		1	24	22.90	22.28
		1	49	23.01	22.51
		25	0	23.06	22.89
		25	12	22.38	22.67
		25	25	22.88	22.54
		50	0	22.92	22.20
15	2562.5	1	0	22.42	23.10
		1	37	23.36	23.56
		1	74	22.84	22.79
		37	0	22.91	22.72
		37	18	22.67	22.27
		37	38	22.66	22.50
		75	0	22.64	22.87
	2600	1	0	22.72	22.60

		1	37	23.22	22.36
		1	74	22.92	22.36
		37	0	22.55	23.04
		37	18	22.67	22.89
		37	38	22.17	22.77
		75	0	22.67	23.08
	2647.5	1	0	22.88	22.59
		1	37	22.62	22.09
		1	74	22.89	22.85
		37	0	22.61	22.43
		37	18	23.23	21.96
		37	38	22.84	22.47
		75	0	22.25	21.94
20	2565.0	1	0	23.34	23.74
		1	49	23.60	22.93
		1	99	23.42	22.30
		50	0	23.36	22.35
		50	25	23.02	22.42
		50	50	22.42	22.41
		100	0	23.02	22.45
	2590.0	1	0	22.65	22.65
		1	49	22.86	23.34
		1	99	22.90	22.83
		50	0	22.53	22.24
		50	25	22.74	22.53
		50	50	22.63	22.87
		100	0	22.22	22.62
	2645.0	1	0	**24.38**	**24.11**
		1	49	22.43	22.39
		1	99	22.18	22.10
		50	0	22.26	22.45
		50	25	22.80	22.33
		50	50	22.69	22.08
		100	0	22.47	22.68

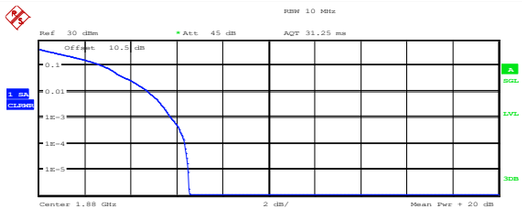
Appendix A.2: Peak-To-Average Ratio

Measurement Data

Test mode	Peak to Average Ratio (dB)	Limit (dB)	Result
LTE Band 2 Middle channel/20MHz/QPSK	5.74	13	Pass
LTE Band 2 Middle channel/20MHz/16-QAM	5.87	13	Pass
LTE Band 4 Middle channel/20MHz/QPSK	8.43	13	Pass
LTE Band 4 Middle channel/20MHz/16-QAM	8.46	13	Pass
LTE Band 5 Middle channel/10MHz/QPSK	8.46	13	Pass
LTE Band 5 Middle channel/10MHz/16-QAM	8.46	13	Pass
LTE Band 7 Middle channel/20MHz/QPSK	8.46	13	Pass
LTE Band 7 Middle channel/20MHz/16-QAM	8.46	13	Pass
LTE Band 12 Middle channel/10MHz/QPSK	8.46	13	Pass
LTE Band 12 Middle channel/10MHz/16-QAM	8.46	13	Pass
LTE Band 17 Middle channel/10MHz/QPSK	5.51	13	Pass
LTE Band 17 Middle channel/10MHz/16-QAM	5.74	13	Pass
LTE Band 38 Middle channel/20MHz/QPSK	3.59	13	Pass
LTE Band 38 Middle channel/20MHz/16-QAM	4.23	13	Pass
LTE Band 41 Middle channel/20MHz/QPSK	3.75	13	Pass
LTE Band 41 Middle channel/20MHz/16-QAM	4.55	13	Pass

Test Mode: LTE Band 2

Middle channel/20MHz/QPSK

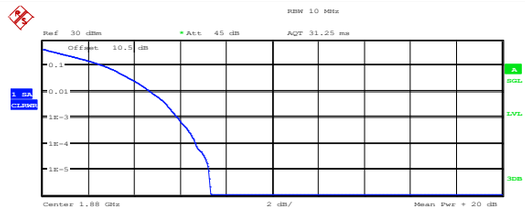


Complementary Cumulative Distribution Function (1000000 samples)

	Trace 1
Mean	21.59 dBm
Peak	28.18 dBm
Crest	6.59 dB
10 %	2.76 dB
1 %	4.71 dB
.1 %	5.74 dB
.01 %	6.35 dB

Test Mode: LTE Band 2

Middle channel/20MHz/16-QAM

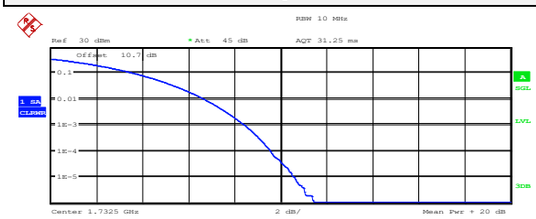


Complementary Cumulative Distribution Function (1000000 samples)

	Trace 1
Mean	20.76 dBm
Peak	28.11 dBm
Crest	7.34 dB
10 %	2.69 dB
1 %	4.68 dB
.1 %	5.87 dB
.01 %	6.67 dB

Test Mode: LTE Band 4

Middle channel/20MHz/QPSK

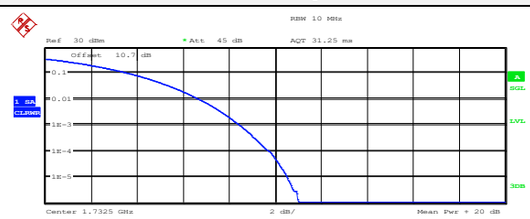


Complementary Cumulative Distribution Function (1000000 samples)

	Trace 1
Mean	-23.31 dBm
Peak	-11.75 dBm
Crest	11.55 dB
10 %	3.65 dB
1 %	6.67 dB
.1 %	8.43 dB
.01 %	9.55 dB

Test Mode: LTE Band 4

Middle channel/20MHz/16-QAM



Complementary Cumulative Distribution Function (1000000 samples)

	Trace 1
Mean	-23.31 dBm
Peak	-12.04 dBm
Crest	11.27 dB
10 %	3.65 dB
1 %	6.70 dB
.1 %	8.46 dB
.01 %	9.71 dB

Test Mode: LTE Band 5

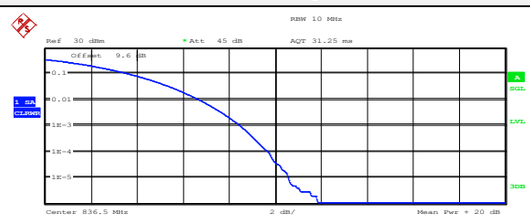
Middle channel/10MHz/QPSK

Complementary Cumulative Distribution Function (1000000 samples)

	Trace 1
Mean	-24.58 dBm
Peak	-12.95 dBm
Crest	11.63 dB
10 %	3.65 dB
1 %	6.70 dB
.1 %	8.46 dB
.01 %	9.71 dB

Test Mode: LTE Band 5

Middle channel/10MHz/16-QAM

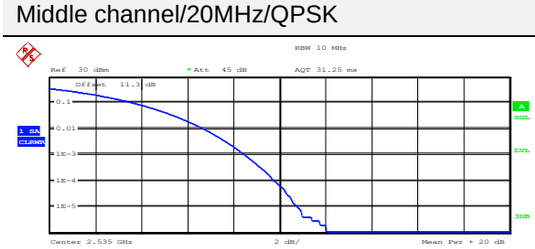


Complementary Cumulative Distribution Function (1000000 samples)

	Trace 1
Mean	-24.57 dBm
Peak	-12.53 dBm
Crest	12.04 dB
10 %	3.65 dB
1 %	6.67 dB
.1 %	8.46 dB
.01 %	9.68 dB

Test Mode: LTE Band 7

Middle channel/20MHz/QPSK

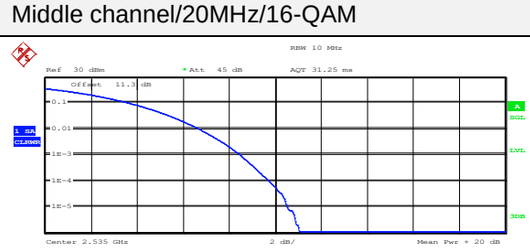


Complementary Cumulative Distribution Function (1000000 samples)

	Trace 1
Mean	-21.45 dBm
Peak	-9.21 dBm
Crest	12.24 dB
10 %	3.65 dB
1 %	6.70 dB
.1 %	8.46 dB
.01 %	9.74 dB

Test Mode: LTE Band 7

Middle channel/20MHz/16-QAM

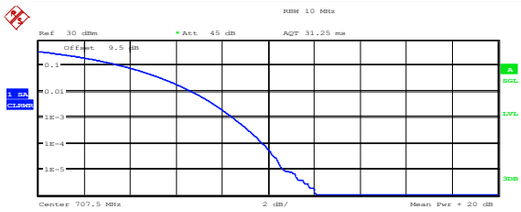


Complementary Cumulative Distribution Function (1000000 samples)

	Trace 1
Mean	-21.46 dBm
Peak	-10.20 dBm
Crest	11.26 dB
10 %	3.65 dB
1 %	6.67 dB
.1 %	8.46 dB
.01 %	9.68 dB

Test Mode: LTE Band 12

Middle channel/10MHz/QPSK

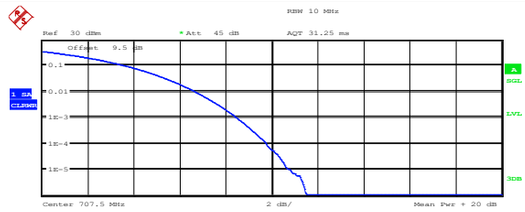


Complementary Cumulative Distribution Function (1000000 samples)

	Trace 1
Mean	-25.00 dBm
Peak	-12.39 dBm
Crest	12.61 dB
10 %	3.65 dB
1 %	6.70 dB
.1 %	8.46 dB
.01 %	9.74 dB

Test Mode: LTE Band 12

Middle channel/10MHz/16-QAM

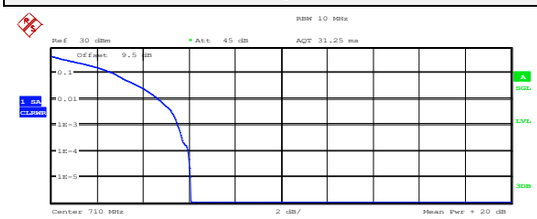


Complementary Cumulative Distribution Function (1000000 samples)

	Trace 1
Mean	-24.99 dBm
Peak	-13.31 dBm
Crest	11.68 dB
10 %	3.65 dB
1 %	6.67 dB
.1 %	8.46 dB
.01 %	9.74 dB

Test Mode: LTE Band 17

Middle channel/10MHz/QPSK

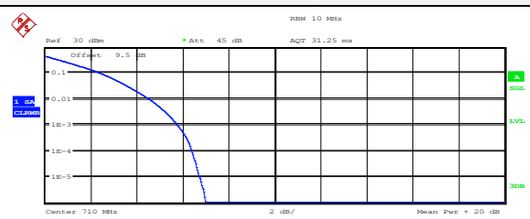


Complementary Cumulative Distribution Function (1000000 samples)

	Trace 1
Mean	22.81 dBm
Peak	28.88 dBm
Crest	6.07 dB
10 %	2.69 dB
1 %	4.65 dB
.1 %	5.51 dB
.01 %	5.96 dB

Test Mode: LTE Band 17

Middle channel/10MHz/16-QAM

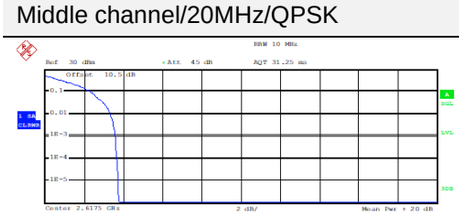


Complementary Cumulative Distribution Function (1000000 samples)

	Trace 1
Mean	22.06 dBm
Peak	29.10 dBm
Crest	7.04 dB
10 %	2.44 dB
1 %	4.52 dB
.1 %	5.74 dB
.01 %	6.38 dB

Test Mode: LTE Band 38

Middle channel/20MHz/QPSK



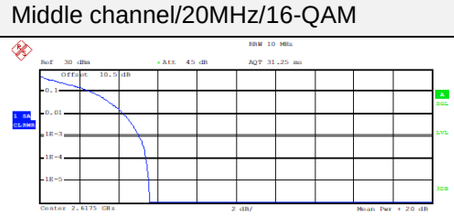
Complementary Cumulative Distribution Function (1000000 samples)

	Trace 1
Mean	23.26 dBm
Peak	27.05 dBm
Crest	3.78 dB
10 %	2.31 dB
1 %	3.33 dB
.1 %	3.59 dB
.01 %	3.65 dB

Date: 17.MAR.2022 09:24:56

Test Mode: LTE Band 38

Middle channel/20MHz/16-QAM



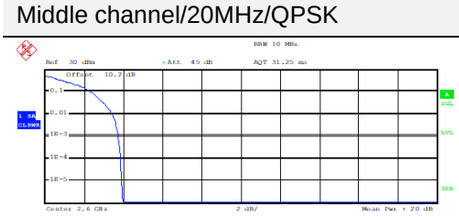
Complementary Cumulative Distribution Function (1000000 samples)

	Trace 1
Mean	22.62 dBm
Peak	28.18 dBm
Crest	5.56 dB
10 %	2.63 dB
1 %	4.23 dB
.1 %	5.06 dB
.01 %	5.38 dB

Date: 17.MAR.2022 09:25:52

Test Mode: LTE Band 41

Middle channel/20MHz/QPSK



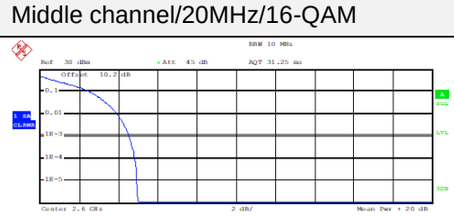
Complementary Cumulative Distribution Function (1000000 samples)

	Trace 1
Mean	22.77 dBm
Peak	26.77 dBm
Crest	4.00 dB
10 %	2.34 dB
1 %	3.43 dB
.1 %	3.75 dB
.01 %	3.85 dB

Date: 17.MAR.2022 09:26:12

Test Mode: LTE Band 41

Middle channel/20MHz/16-QAM



Complementary Cumulative Distribution Function (1000000 samples)

	Trace 1
Mean	21.87 dBm
Peak	26.91 dBm
Crest	5.04 dB
10 %	2.53 dB
1 %	3.91 dB
.1 %	4.55 dB
.01 %	4.84 dB

Date: 17.MAR.2022 09:26:20

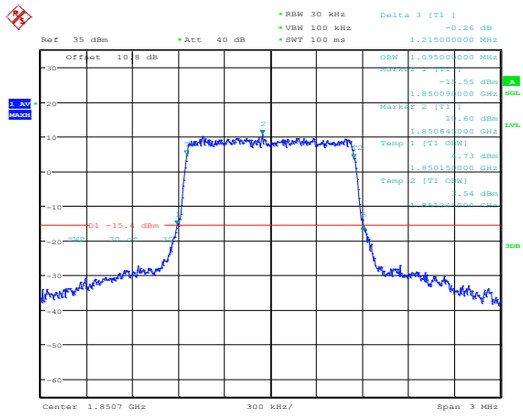
Note: All bandwidth and modulation are tested, only the worst results are reported.

Appendix A.3: Occupy Bandwidth

Measurement Data

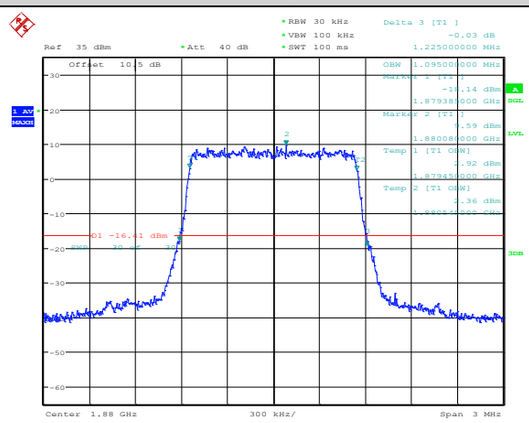
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.095	1.21	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.095	1.22	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.095	1.22	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.095	1.24	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.095	1.21	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.09	1.24	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.663	2.87	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.7	2.85	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.68	2.86	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.68	2.84	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.69	2.85	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.69	2.87	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.535	4.73	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.5	4.78	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.5	4.78	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.51	4.78	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.51	4.78	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.52	4.77	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.942	9.55	PASS
Band2	10MHz	QPSK	18900	50RB#0	9	9.67	PASS
Band2	10MHz	QPSK	19150	50RB#0	9	9.67	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.967	9.70	PASS
Band2	10MHz	16QAM	18900	50RB#0	9	9.67	PASS
Band2	10MHz	16QAM	19150	50RB#0	9	9.67	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.51	14.33	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.55	14.50	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.45	14.50	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.55	14.55	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.5	14.50	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.45	14.50	PASS
Band2	20MHz	QPSK	18700	100RB#0	18.077	19.36	PASS
Band2	20MHz	QPSK	18900	100RB#0	18.067	19.60	PASS
Band2	20MHz	QPSK	19100	100RB#0	18	19.60	PASS
Band2	20MHz	16QAM	18700	100RB#0	18.067	19.67	PASS
Band2	20MHz	16QAM	18900	100RB#0	18.067	19.67	PASS
Band2	20MHz	16QAM	19100	100RB#0	18	19.60	PASS

Band2-1.4MHz-QPSK-18607-6RB#0



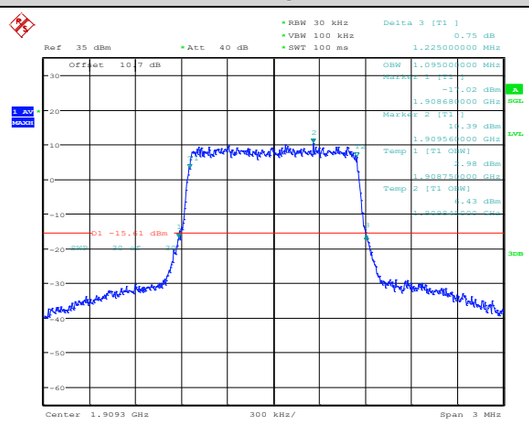
Date: 7.APR.2023 16:03:26

Band2-1.4MHz-QPSK-18900-6RB#0



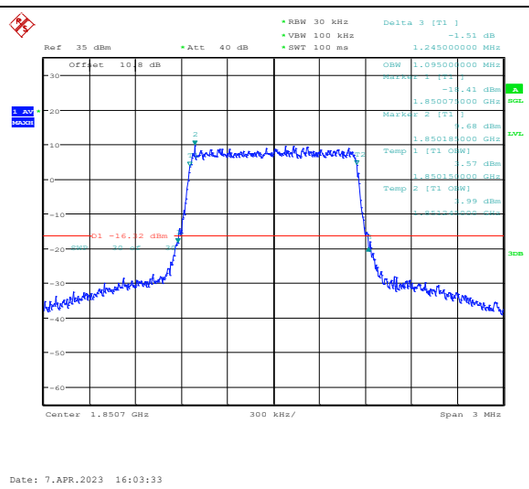
Date: 7.APR.2023 16:03:41

Band2-1.4MHz-QPSK-19193-6RB#0

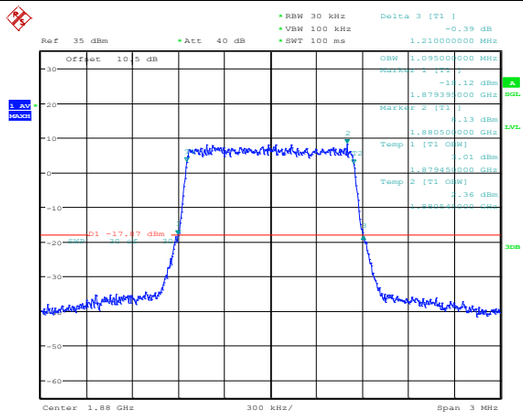


Date: 7.APR.2023 16:03:58

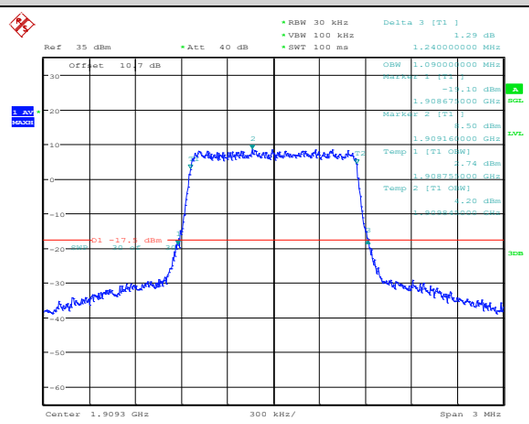
Band2-1.4MHz-16QAM-18607-6RB#0



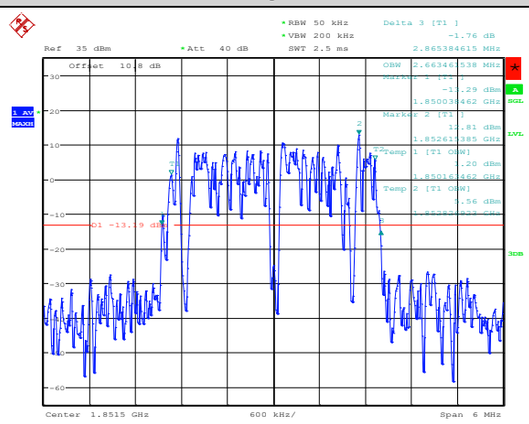
Band2-1.4MHz-16QAM-18900-6RB#0



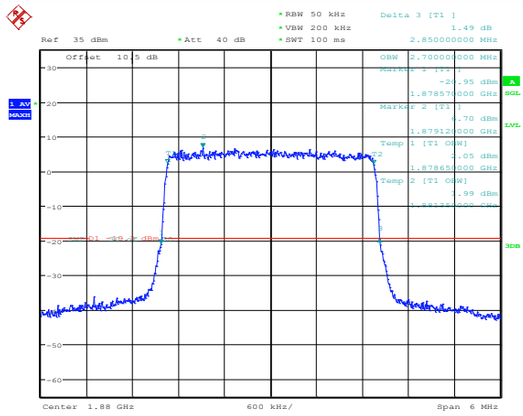
Band2-1.4MHz-16QAM-19193-6RB#0



Band2-3MHz-QPSK-18615-15RB#0

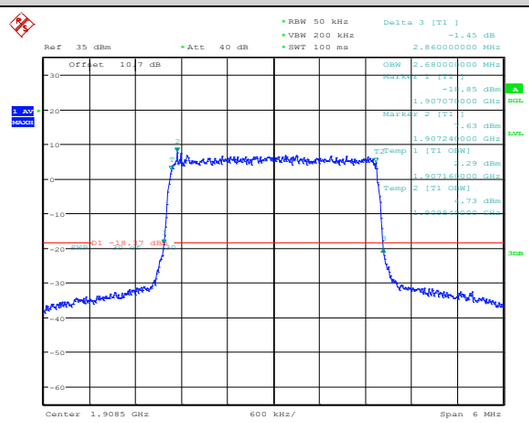


Band2-3MHz-QPSK-18900-15RB#0



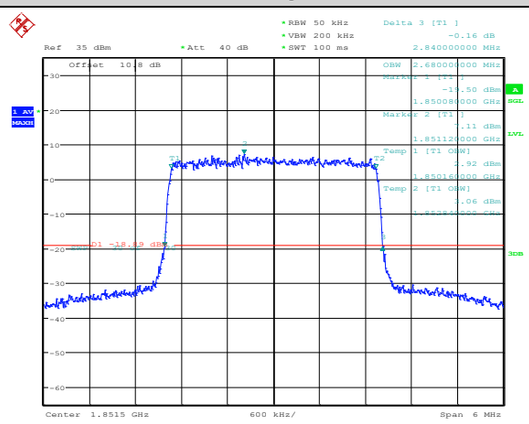
Date: 7.APR.2023 16:20:24

Band2-3MHz-QPSK-19185-15RB#0



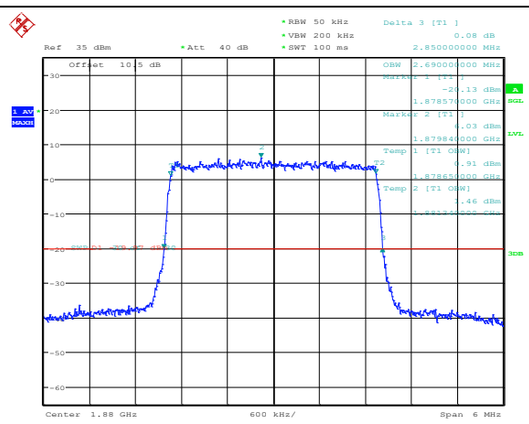
Date: 7.APR.2023 16:20:40

Band2-3MHz-16QAM-18615-15RB#0



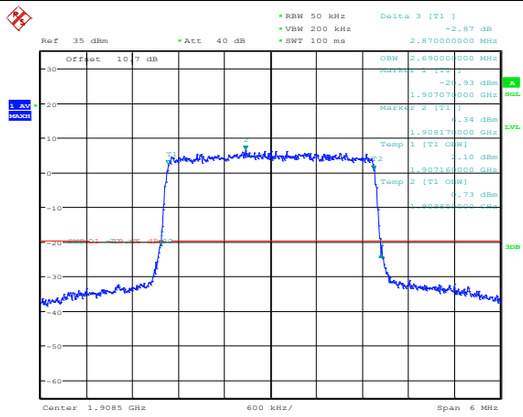
Date: 7.APR.2023 16:20:15

Band2-3MHz-16QAM-18900-15RB#0



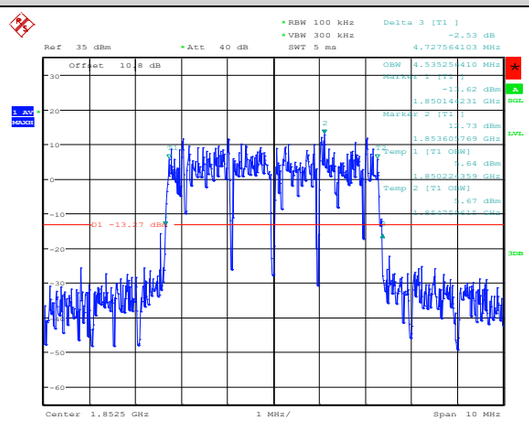
Date: 7.APR.2023 16:20:31

Band2-3MHz-16QAM-19185-15RB#0



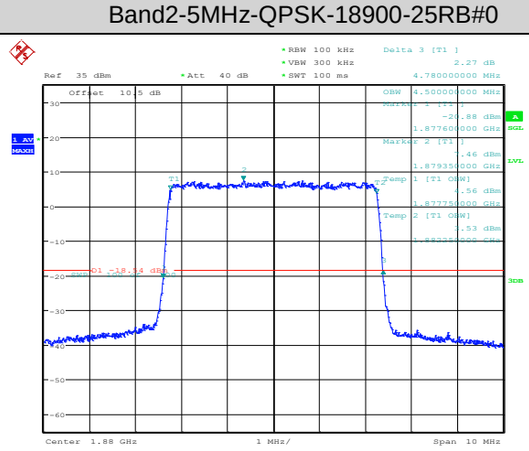
Date: 7.APR.2023 16:20:47

Band2-5MHz-QPSK-18625-25RB#0



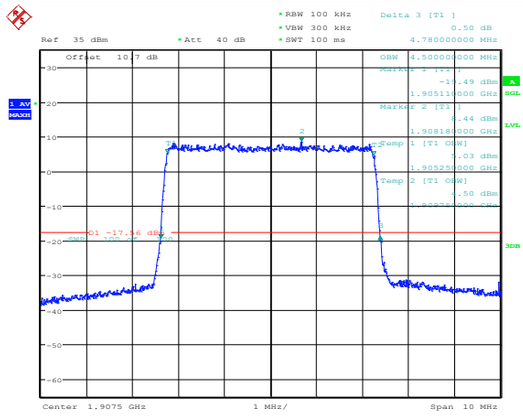
Date: 7.APR.2023 16:37:06

Band2-5MHz-QPSK-18900-25RB#0



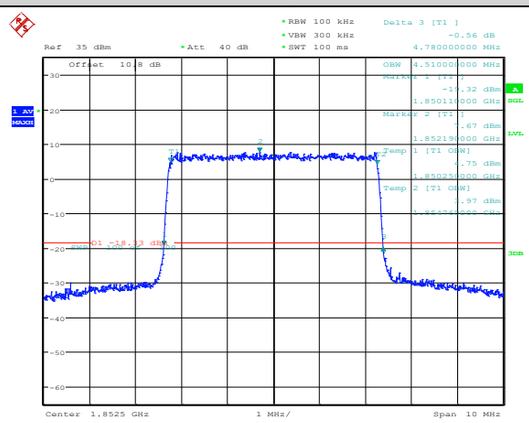
Date: 7.APR.2023 16:37:36

Band2-5MHz-QPSK-19175-25RB#0



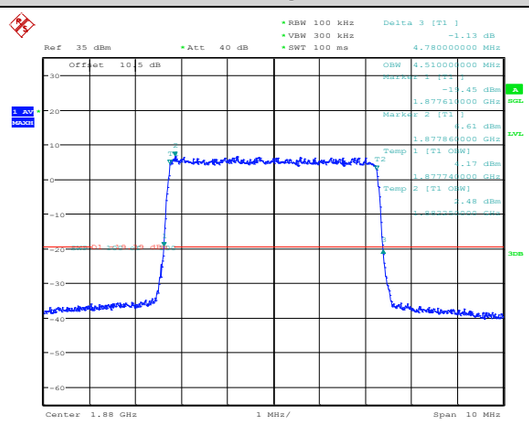
Date: 7.APR.2023 16:38:08

Band2-5MHz-16QAM-18625-25RB#0



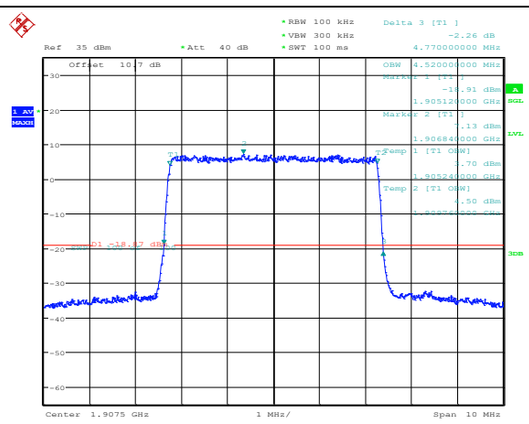
Date: 7.APR.2023 16:37:20

Band2-5MHz-16QAM-18900-25RB#0



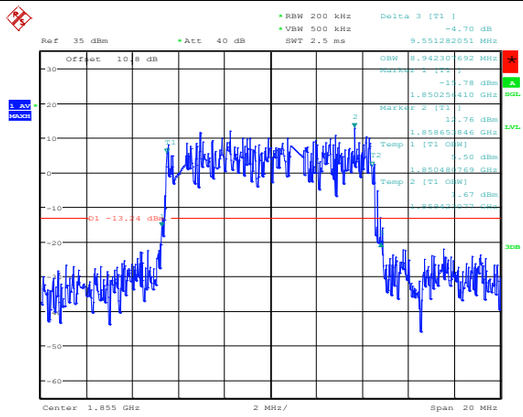
Date: 7.APR.2023 16:37:50

Band2-5MHz-16QAM-19175-25RB#0



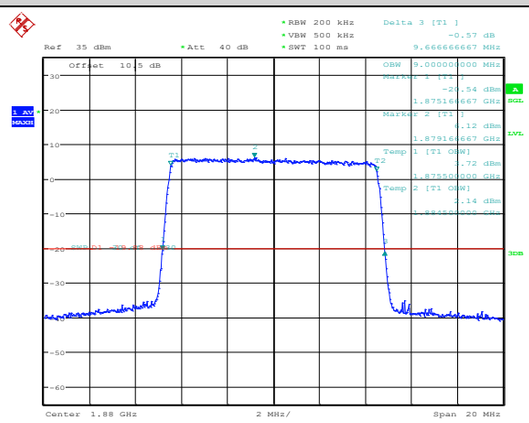
Date: 7.APR.2023 16:38:24

Band2-10MHz-QPSK-18650-50RB#0



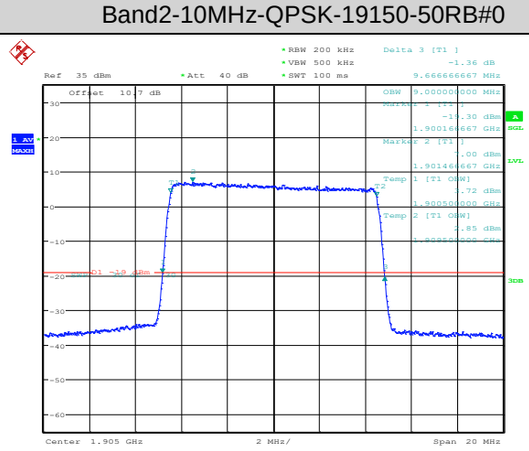
Date: 7.APR.2023 16:54:36

Band2-10MHz-QPSK-18900-50RB#0



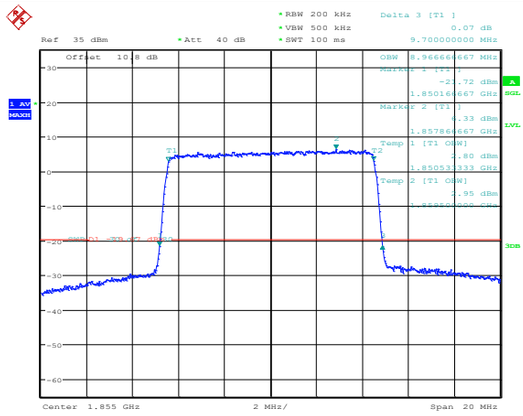
Date: 7.APR.2023 16:54:52

Band2-10MHz-QPSK-19150-50RB#0



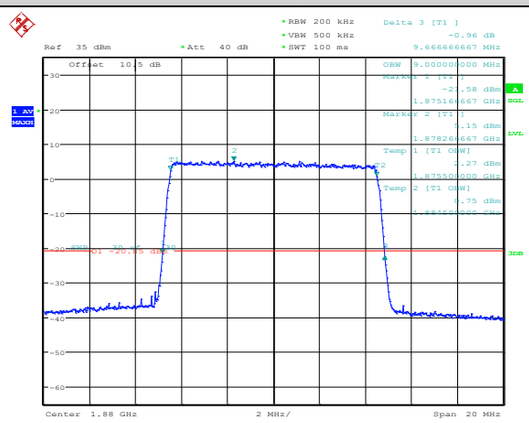
Date: 7.APR.2023 16:55:09

Band2-10MHz-16QAM-18650-50RB#0



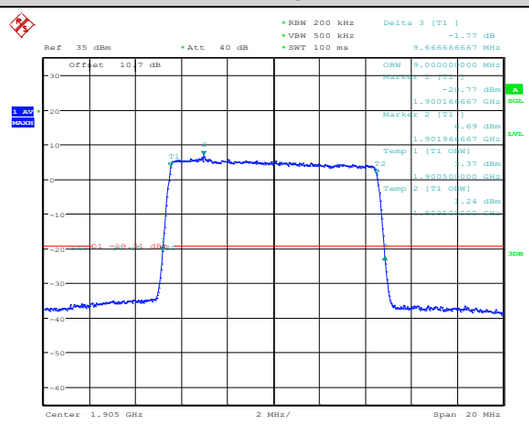
Date: 7.APR.2023 16:54:43

Band2-10MHz-16QAM-18900-50RB#0



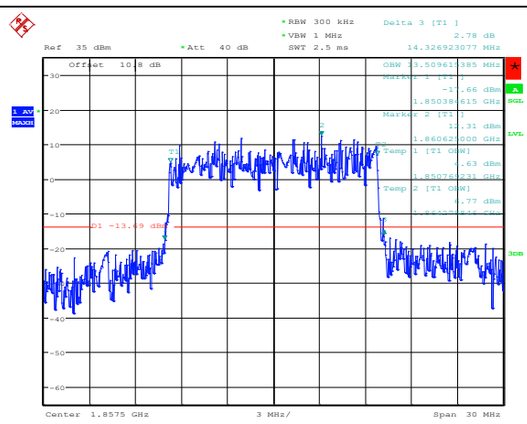
Date: 7.APR.2023 16:54:59

Band2-10MHz-16QAM-19150-50RB#0



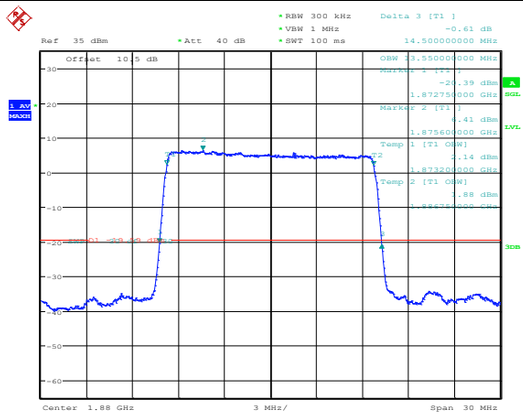
Date: 7.APR.2023 16:55:17

Band2-15MHz-QPSK-18675-75RB#0



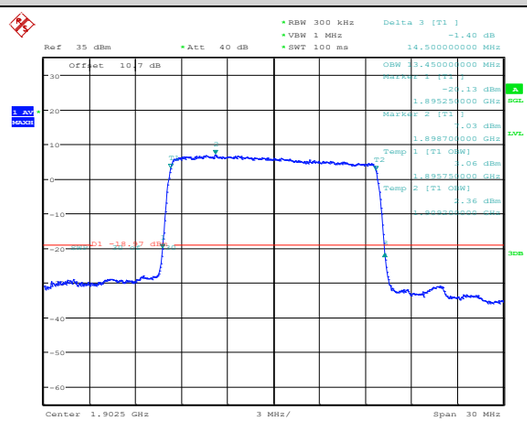
Date: 7.APR.2023 17:13:05

Band2-15MHz-QPSK-18900-75RB#0



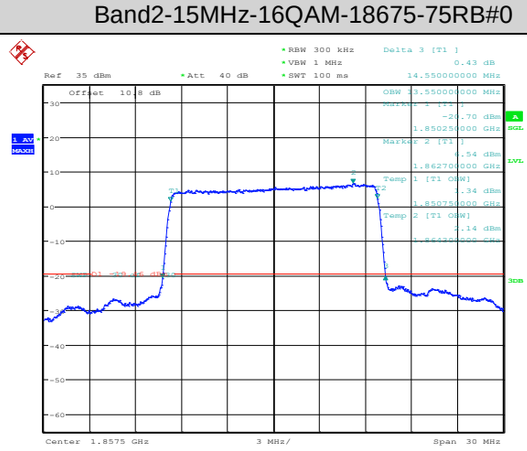
Date: 7.APR.2023 17:13:22

Band2-15MHz-QPSK-19125-75RB#0



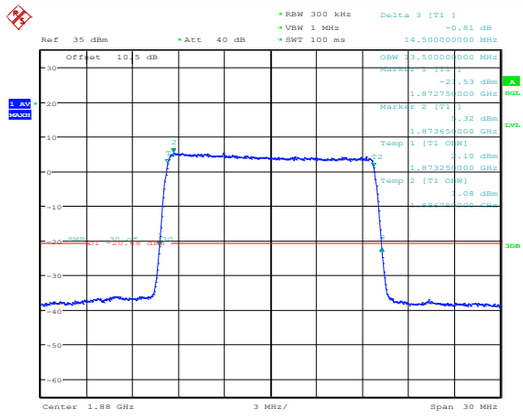
Date: 7.APR.2023 17:13:39

Band2-15MHz-16QAM-18675-75RB#0



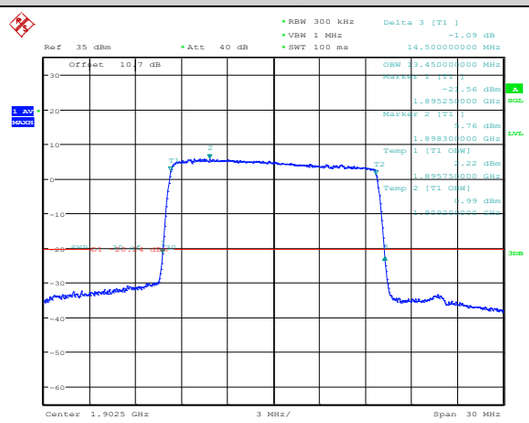
Date: 7.APR.2023 17:13:13

Band2-15MHz-16QAM-18900-75RB#0



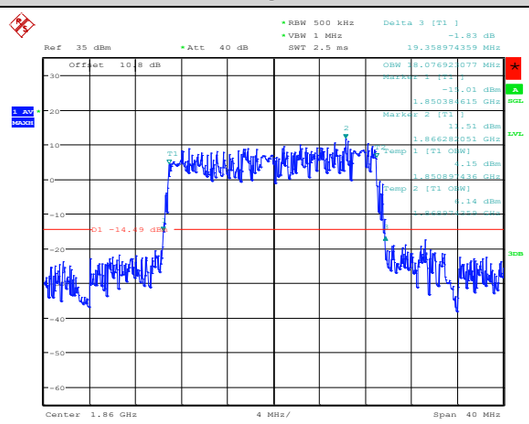
Date: 7.APR.2023 17:13:29

Band2-15MHz-16QAM-19125-75RB#0



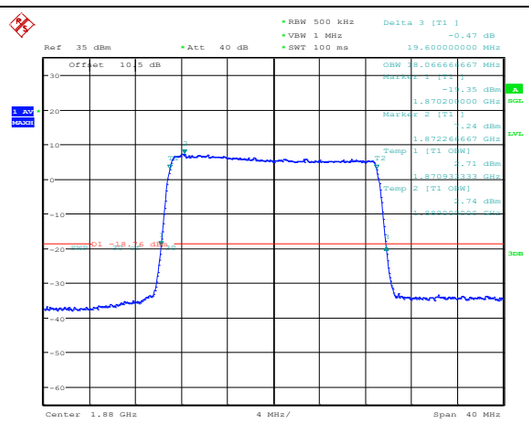
Date: 7.APR.2023 17:13:47

Band2-20MHz-QPSK-18700-100RB#0



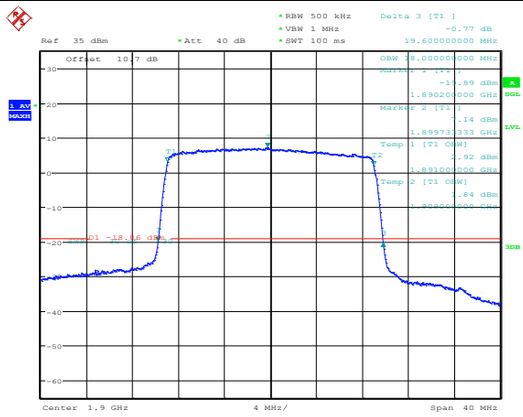
Date: 7.APR.2023 17:30:35

Band2-20MHz-QPSK-18900-100RB#0



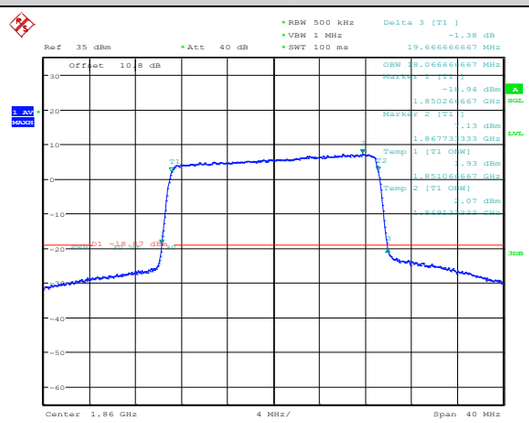
Date: 7.APR.2023 17:30:53

Band2-20MHz-QPSK-19100-100RB#0



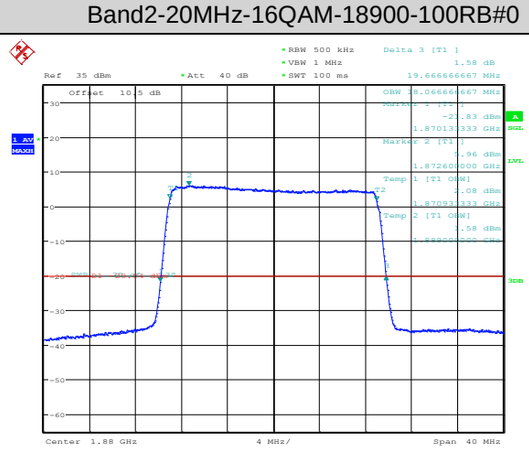
Date: 7.APR.2023 17:31:11

Band2-20MHz-16QAM-18700-100RB#0



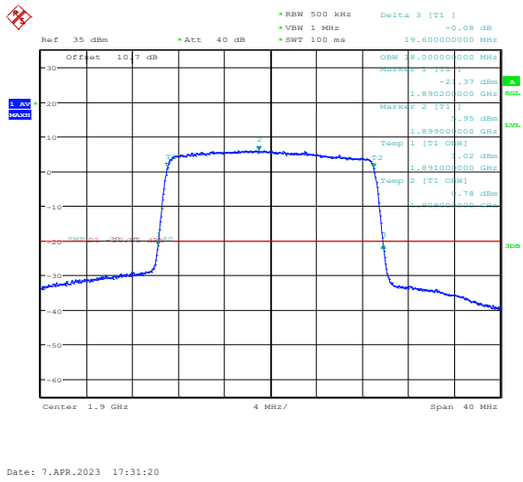
Date: 7.APR.2023 17:30:44

Band2-20MHz-16QAM-18900-100RB#0



Date: 7.APR.2023 17:31:02

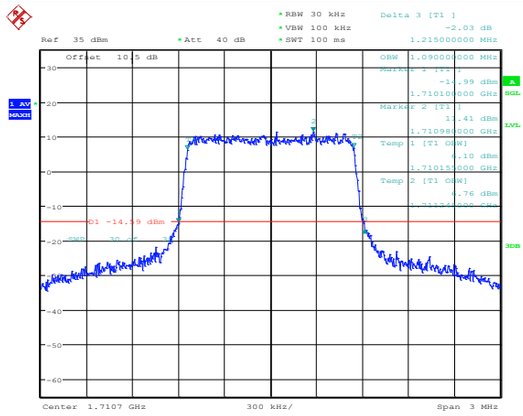
Band2-20MHz-16QAM-19100-100RB#0



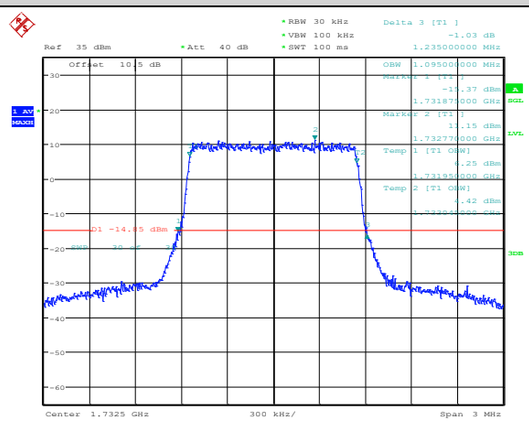
Date: 7.APR.2023 17:31:20

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.09	1.21	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.095	1.23	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.095	1.24	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.09	1.24	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.095	1.22	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.095	1.23	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.692	2.83	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.7	2.86	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.69	2.85	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.71	2.85	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.7	2.85	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.7	2.85	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.471	4.78	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.51	4.78	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.51	4.79	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.52	4.78	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.5	4.79	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.51	4.77	PASS
Band4	10MHz	QPSK	20000	50RB#0	9.006	9.62	PASS
Band4	10MHz	QPSK	20175	50RB#0	9	9.67	PASS
Band4	10MHz	QPSK	20350	50RB#0	9	9.67	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.967	9.67	PASS
Band4	10MHz	16QAM	20175	50RB#0	9	9.67	PASS
Band4	10MHz	16QAM	20350	50RB#0	9	9.67	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.413	14.28	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.5	14.50	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.5	14.50	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.5	14.55	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.5	14.50	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.5	14.55	PASS
Band4	20MHz	QPSK	20050	100RB#0	18.205	19.29	PASS
Band4	20MHz	QPSK	20175	100RB#0	18.067	19.67	PASS
Band4	20MHz	QPSK	20300	100RB#0	18.067	19.67	PASS
Band4	20MHz	16QAM	20050	100RB#0	18	19.67	PASS
Band4	20MHz	16QAM	20175	100RB#0	18.133	19.67	PASS
Band4	20MHz	16QAM	20300	100RB#0	18.067	19.67	PASS

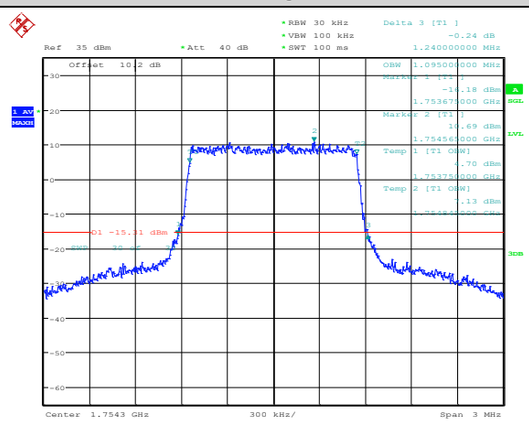
Band4-1.4MHz-QPSK-19957-6RB#0



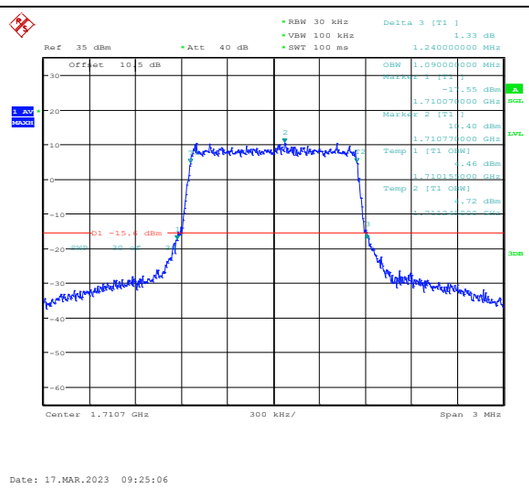
Band4-1.4MHz-QPSK-20175-6RB#0



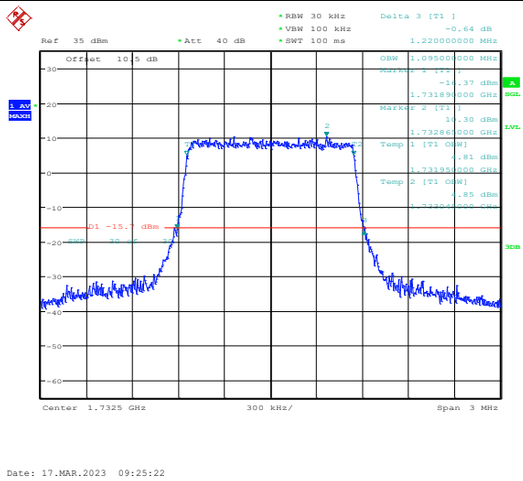
Band4-1.4MHz-QPSK-20393-6RB#0



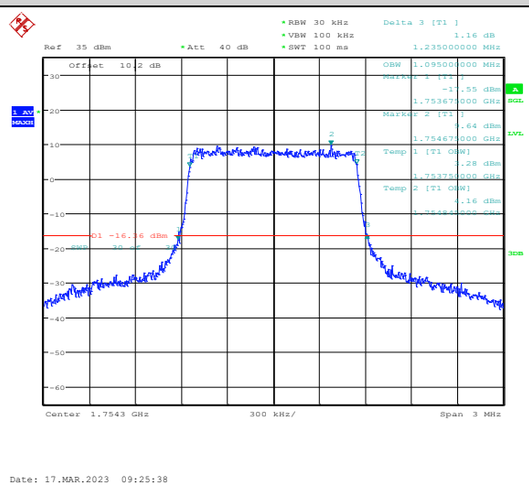
Band4-1.4MHz-16QAM-19957-6RB#0



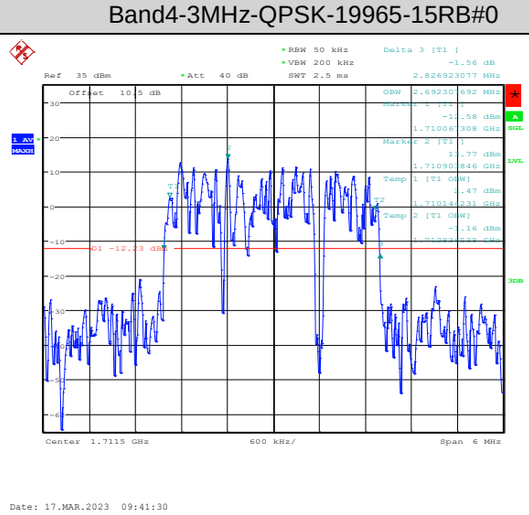
Band4-1.4MHz-16QAM-20175-6RB#0



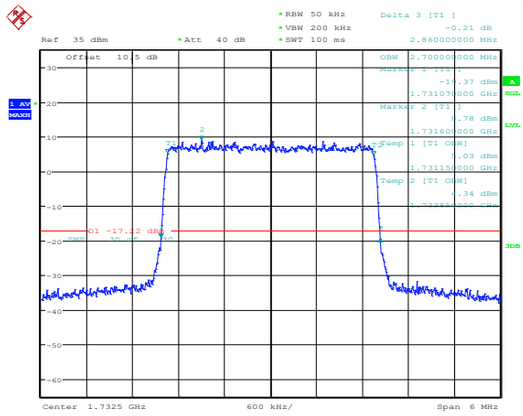
Band4-1.4MHz-16QAM-20393-6RB#0



Band4-3MHz-QPSK-19965-15RB#0

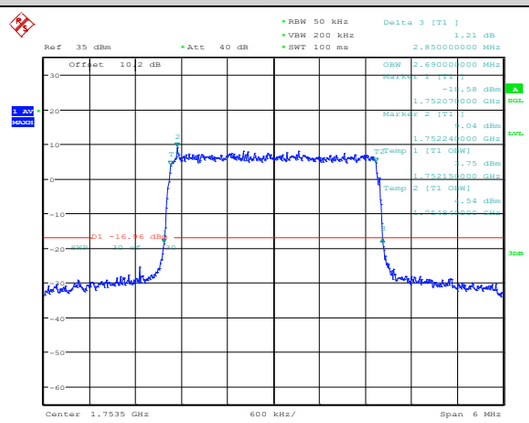


Band4-3MHz-QPSK-20175-15RB#0



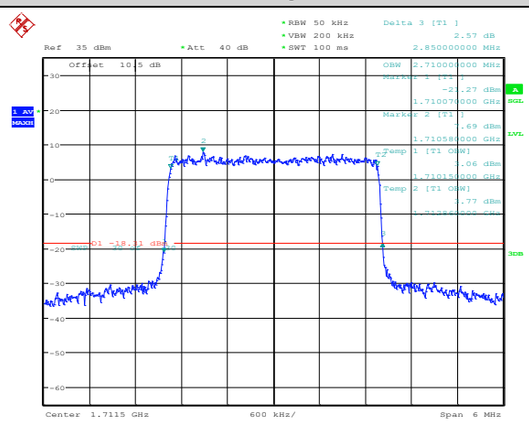
Date: 17.MAR.2023 09:41:45

Band4-3MHz-QPSK-20385-15RB#0



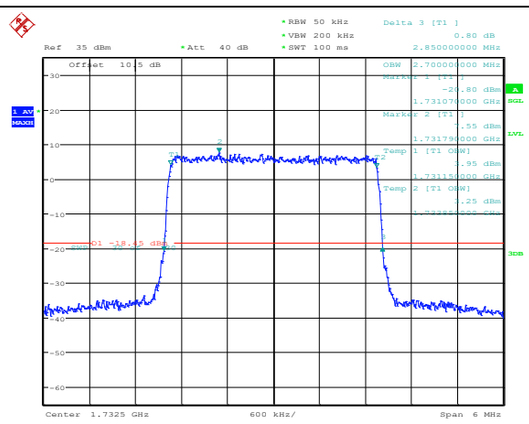
Date: 17.MAR.2023 09:42:02

Band4-3MHz-16QAM-19965-15RB#0

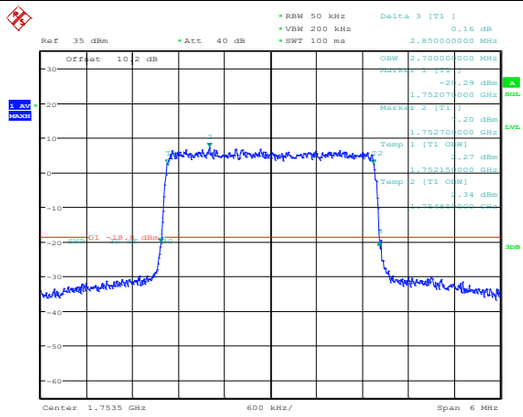


Date: 17.MAR.2023 09:41:37

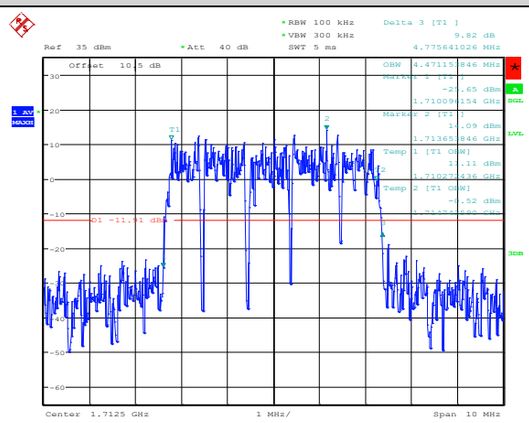
Band4-3MHz-16QAM-20175-15RB#0



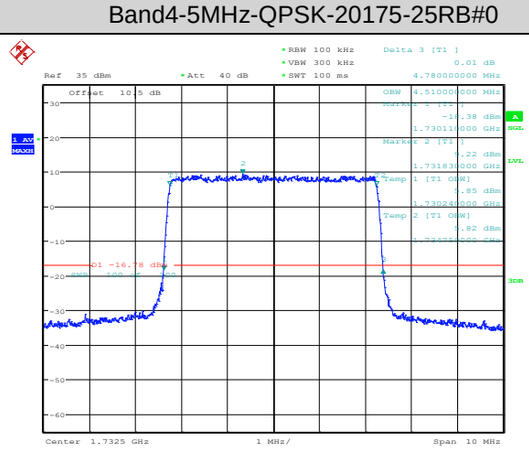
Band4-3MHz-16QAM-20385-15RB#0



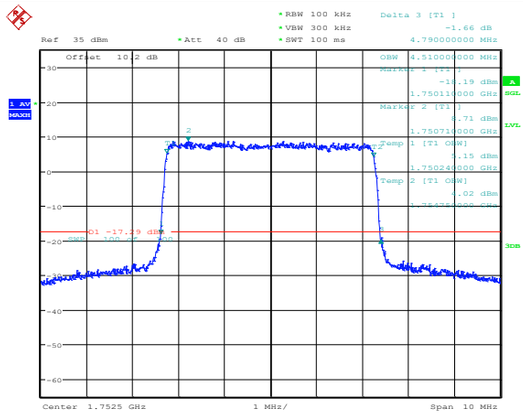
Band4-5MHz-QPSK-19975-25RB#0



Band4-5MHz-QPSK-20175-25RB#0

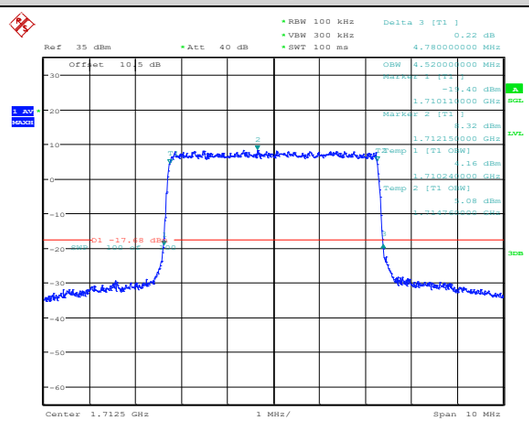


Band4-5MHz-QPSK-20375-25RB#0



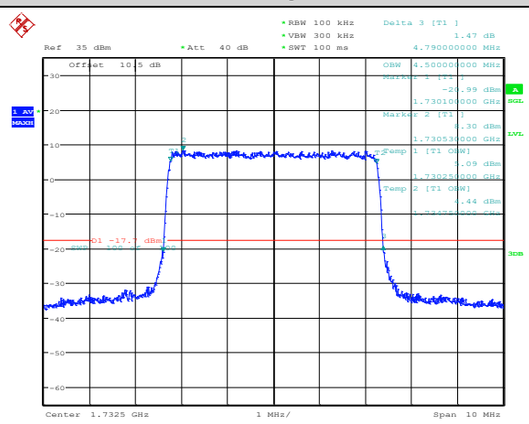
Date: 17.MAR.2023 09:59:05

Band4-5MHz-16QAM-19975-25RB#0



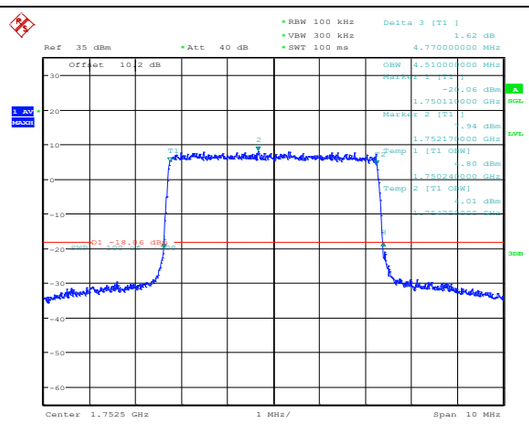
Date: 17.MAR.2023 09:58:18

Band4-5MHz-16QAM-20175-25RB#0



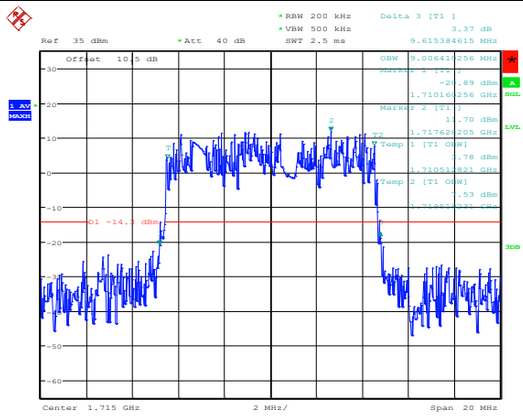
Date: 17.MAR.2023 09:58:49

Band4-5MHz-16QAM-20375-25RB#0



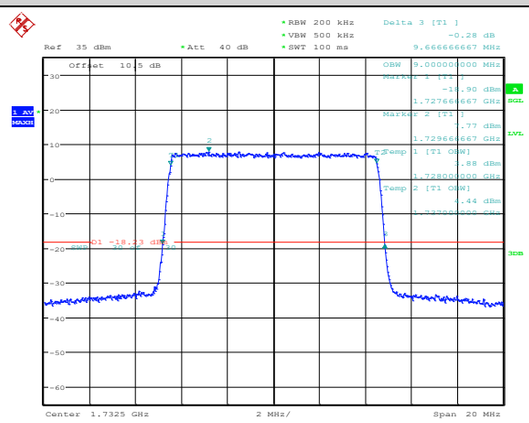
Date: 17.MAR.2023 09:59:20

Band4-10MHz-QPSK-20000-50RB#0



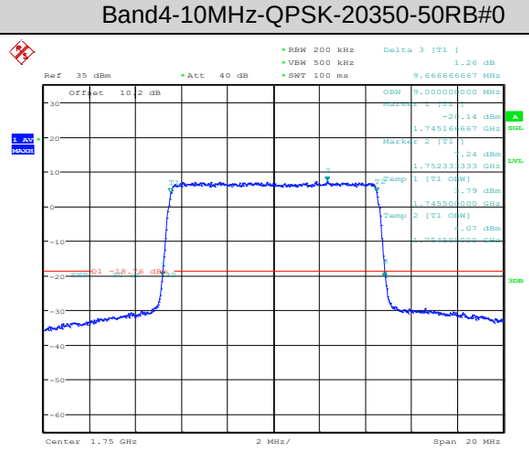
Date: 17.MAR.2023 10:15:05

Band4-10MHz-QPSK-20175-50RB#0



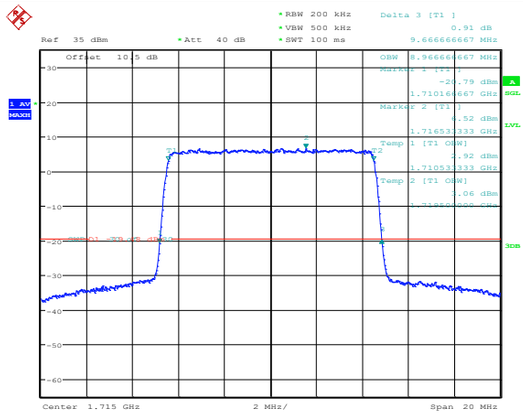
Date: 17.MAR.2023 10:15:21

Band4-10MHz-QPSK-20350-50RB#0



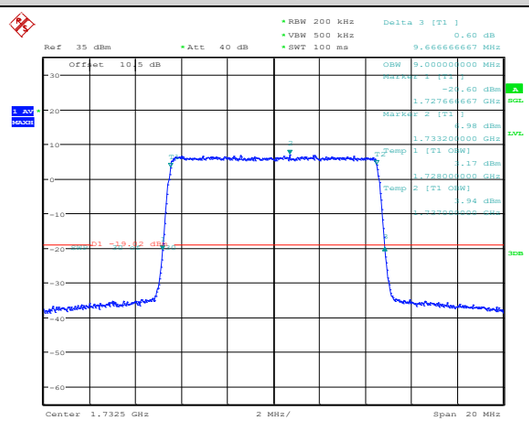
Date: 17.MAR.2023 10:15:37

Band4-10MHz-16QAM-20000-50RB#0



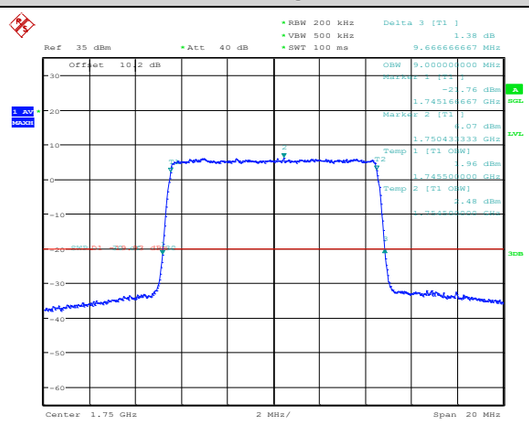
Date: 17.MAR.2023 10:15:13

Band4-10MHz-16QAM-20175-50RB#0



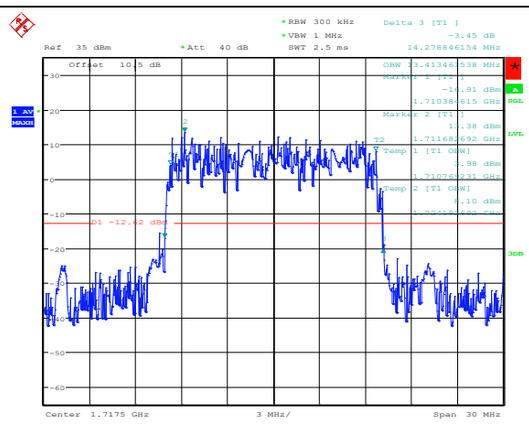
Date: 17.MAR.2023 10:15:28

Band4-10MHz-16QAM-20350-50RB#0

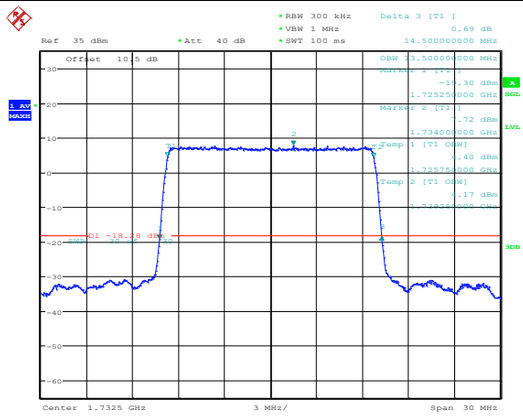


Date: 17.MAR.2023 10:15:44

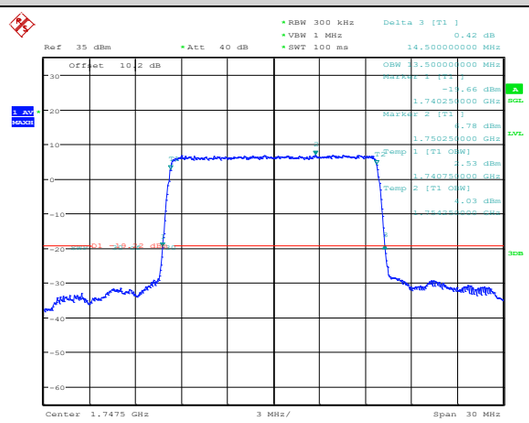
Band4-15MHz-QPSK-20025-75RB#0



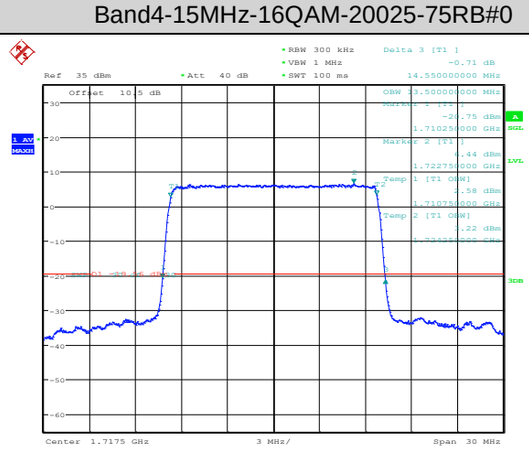
Band4-15MHz-QPSK-20175-75RB#0



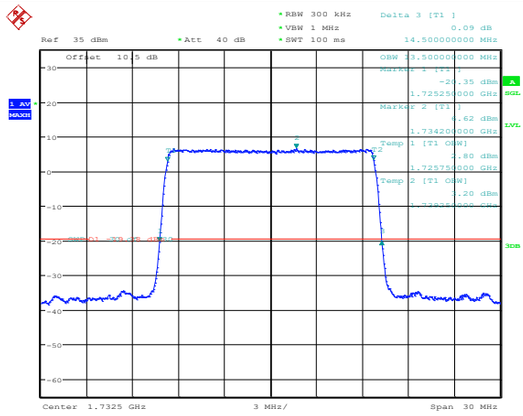
Band4-15MHz-QPSK-20325-75RB#0



Band4-15MHz-16QAM-20025-75RB#0

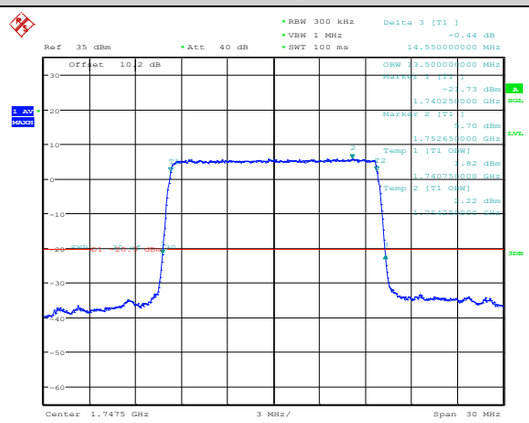


Band4-15MHz-16QAM-20175-75RB#0



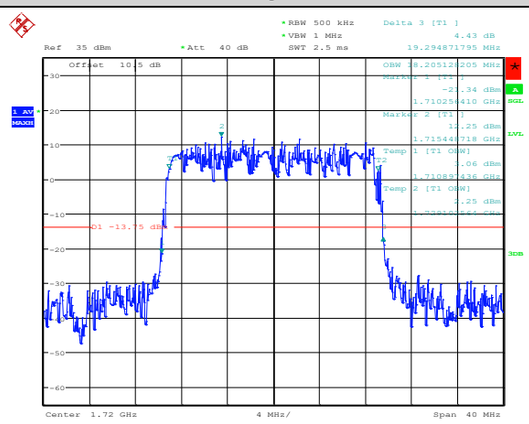
Date: 17.MAR.2023 10:40:06

Band4-15MHz-16QAM-20325-75RB#0



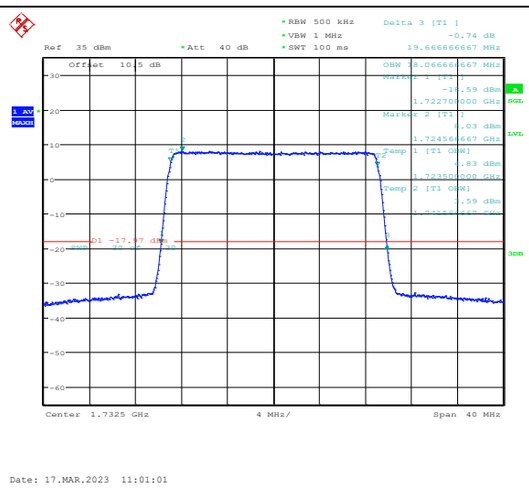
Date: 17.MAR.2023 10:40:21

Band4-20MHz-QPSK-20050-100RB#0

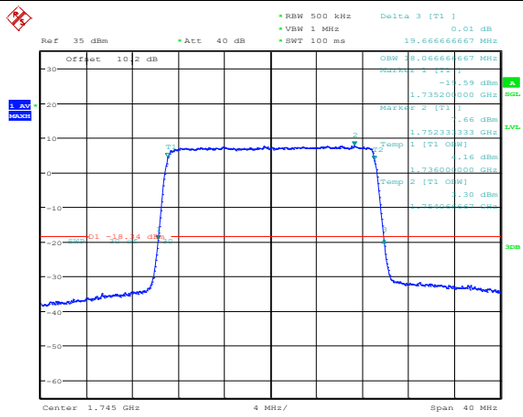


Date: 17.MAR.2023 11:00:44

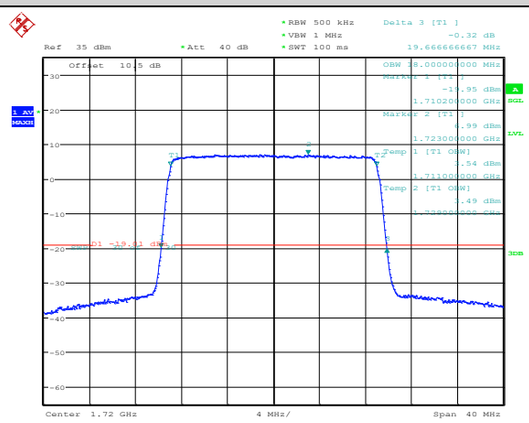
Band4-20MHz-QPSK-20175-100RB#0



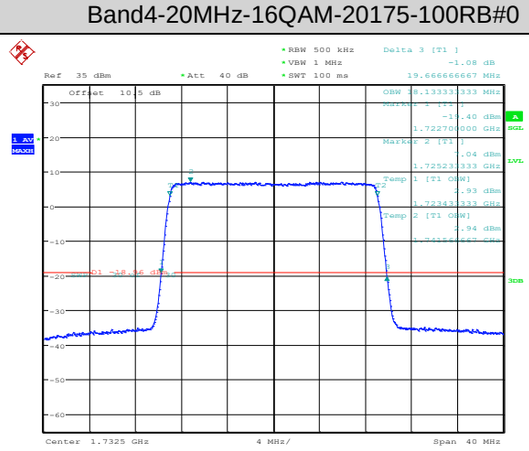
Band4-20MHz-QPSK-20300-100RB#0



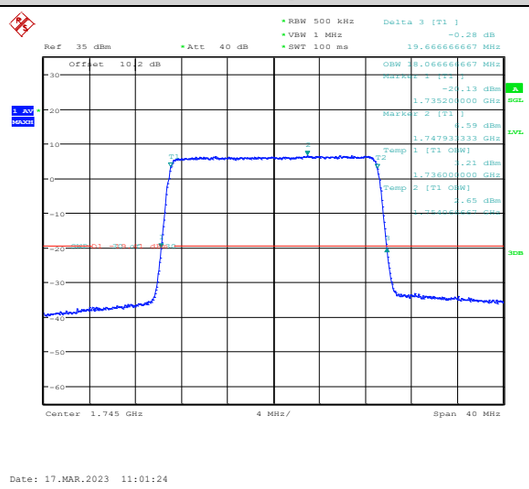
Band4-20MHz-16QAM-20050-100RB#0



Band4-20MHz-16QAM-20175-100RB#0



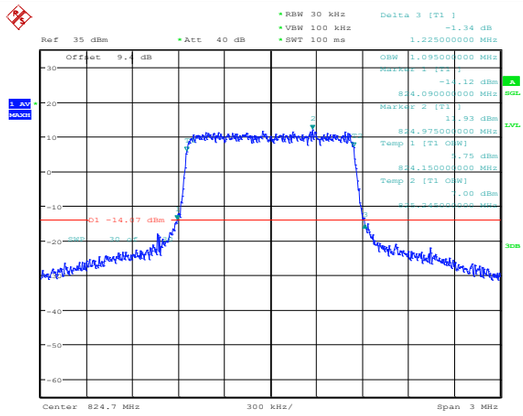
Band4-20MHz-16QAM-20300-100RB#0



Date: 17.MAR.2023 11:01:24

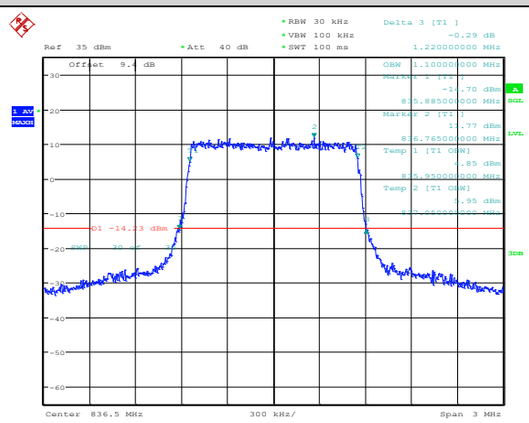
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.095	1.23	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.1	1.22	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.09	1.24	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.09	1.25	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.09	1.24	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.095	1.22	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.625	2.80	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.7	2.86	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.7	2.86	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.7	2.87	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.7	2.85	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.7	2.85	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.535	4.82	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.51	4.78	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.51	4.77	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.52	4.78	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.5	4.78	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.52	4.77	PASS
Band5	10MHz	QPSK	20450	50RB#0	9	9.67	PASS
Band5	10MHz	QPSK	20525	50RB#0	9	9.70	PASS
Band5	10MHz	QPSK	20600	50RB#0	9	9.70	PASS
Band5	10MHz	16QAM	20450	50RB#0	9	9.67	PASS
Band5	10MHz	16QAM	20525	50RB#0	9	9.70	PASS
Band5	10MHz	16QAM	20600	50RB#0	9	9.67	PASS

Band5-1.4MHz-QPSK-20407-6RB#0



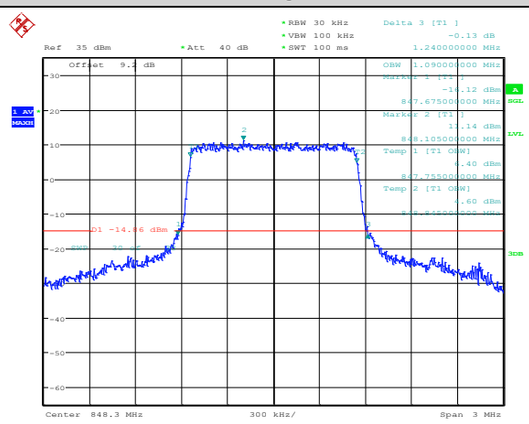
Date: 17.MAR.2023 11:42:00

Band5-1.4MHz-QPSK-20525-6RB#0



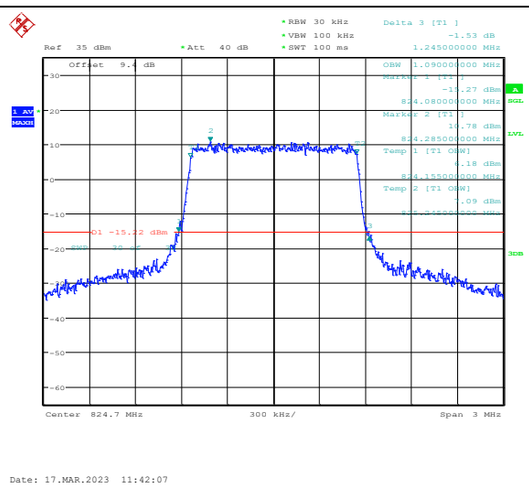
Date: 17.MAR.2023 11:42:17

Band5-1.4MHz-QPSK-20643-6RB#0

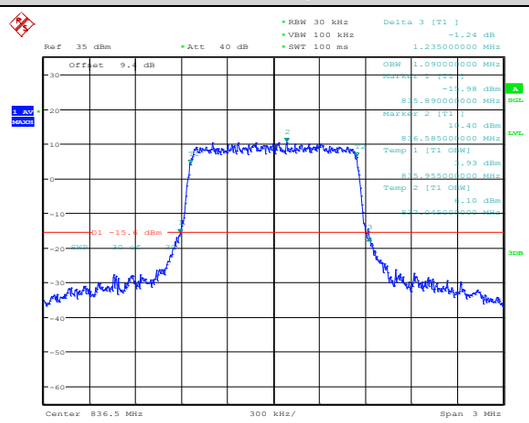


Date: 17.MAR.2023 11:42:35

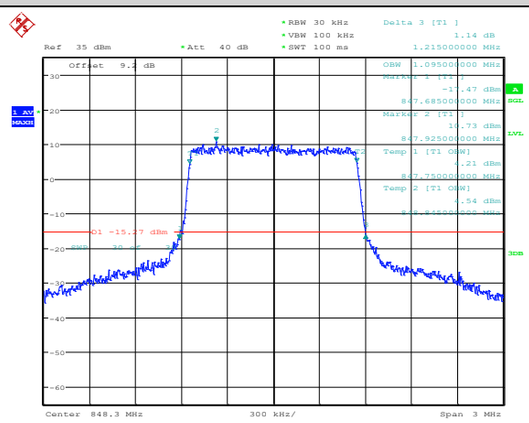
Band5-1.4MHz-16QAM-20407-6RB#0



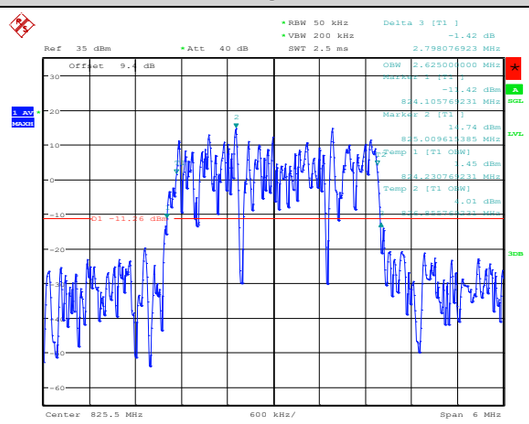
Band5-1.4MHz-16QAM-20525-6RB#0



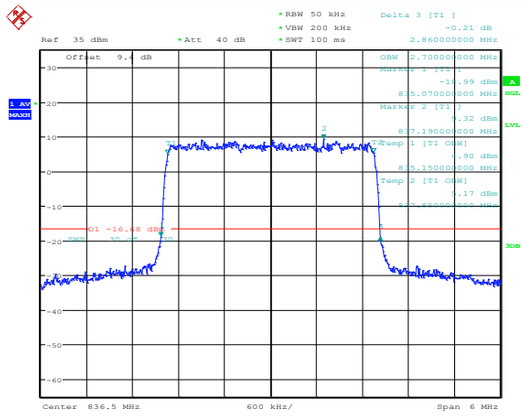
Band5-1.4MHz-16QAM-20643-6RB#0



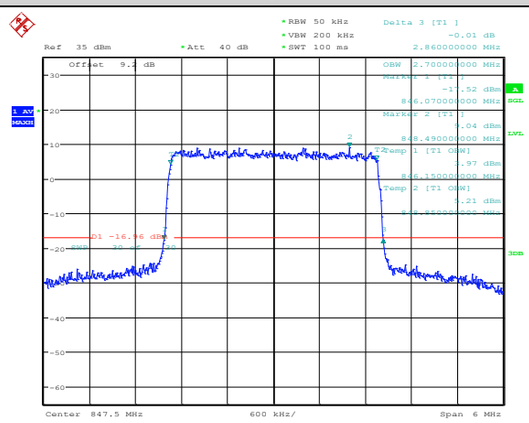
Band5-3MHz-QPSK-20415-15RB#0



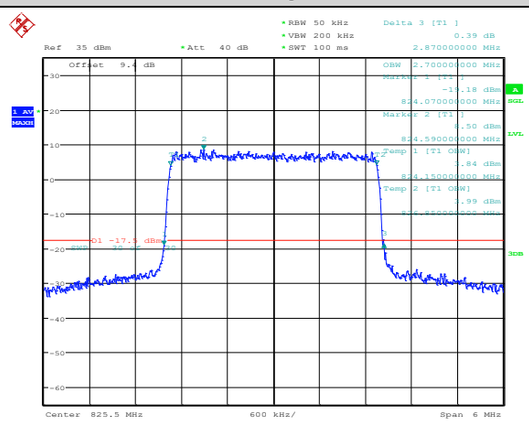
Band5-3MHz-QPSK-20525-15RB#0



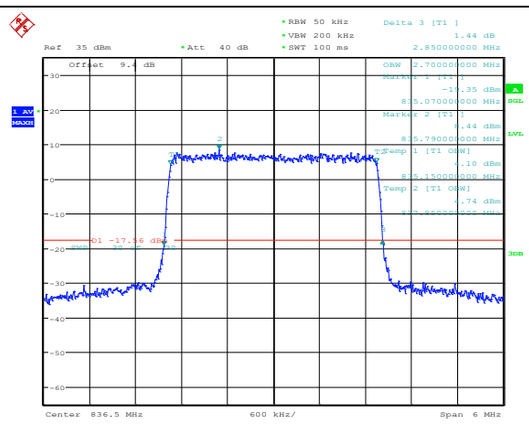
Band5-3MHz-QPSK-20635-15RB#0



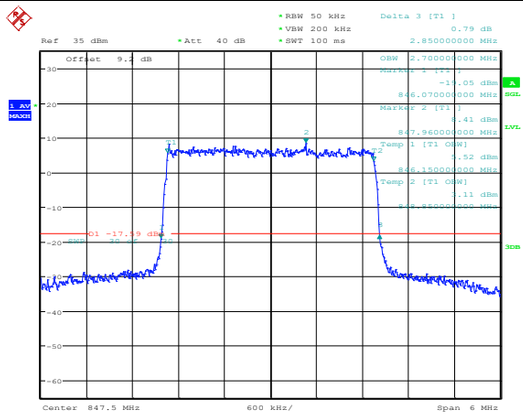
Band5-3MHz-16QAM-20415-15RB#0



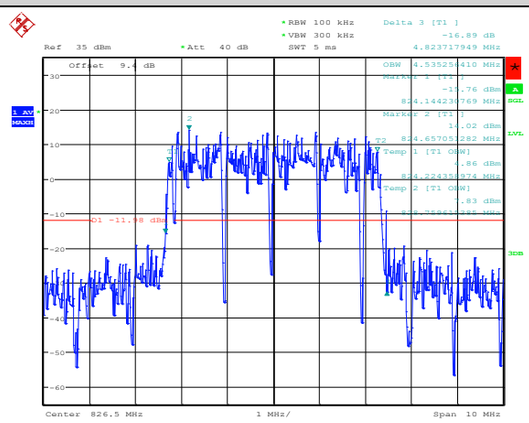
Band5-3MHz-16QAM-20525-15RB#0



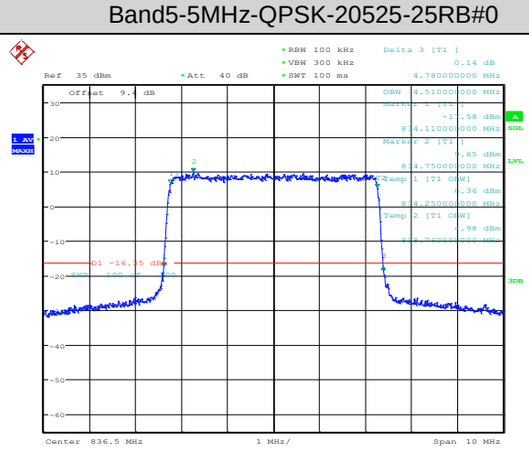
Band5-3MHz-16QAM-20635-15RB#0



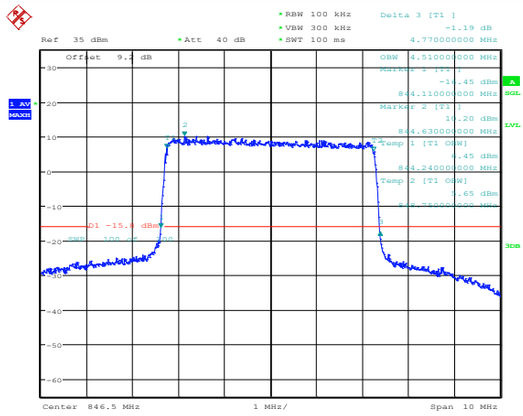
Band5-5MHz-QPSK-20425-25RB#0



Band5-5MHz-QPSK-20525-25RB#0

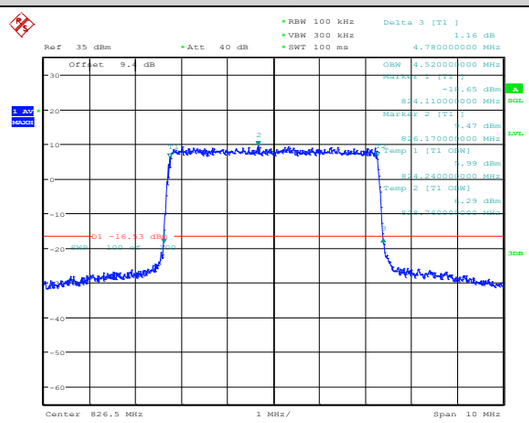


Band5-5MHz-QPSK-20625-25RB#0



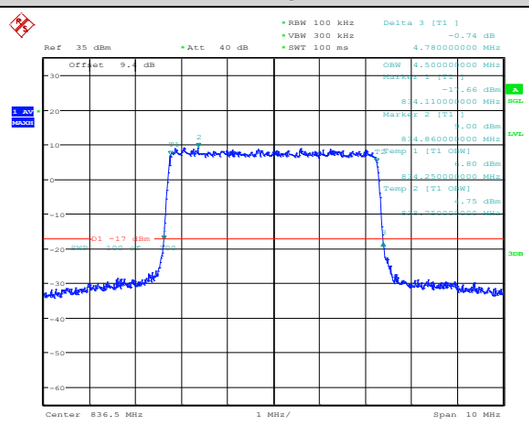
Date: 17.MAR.2023 12:18:27

Band5-5MHz-16QAM-20425-25RB#0



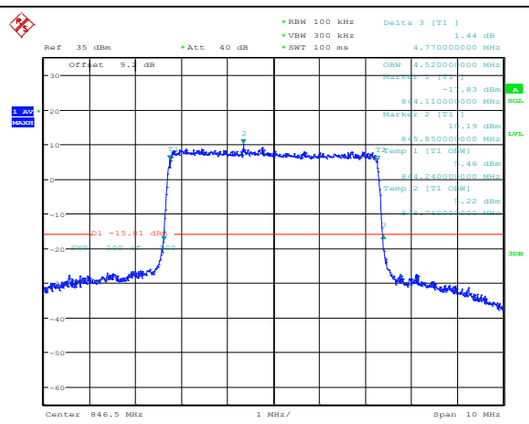
Date: 17.MAR.2023 12:17:26

Band5-5MHz-16QAM-20525-25RB#0

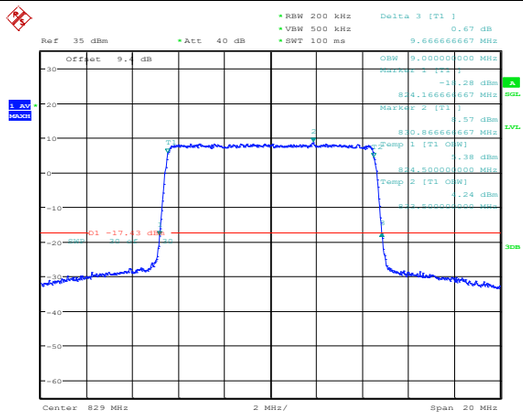


Date: 17.MAR.2023 12:18:08

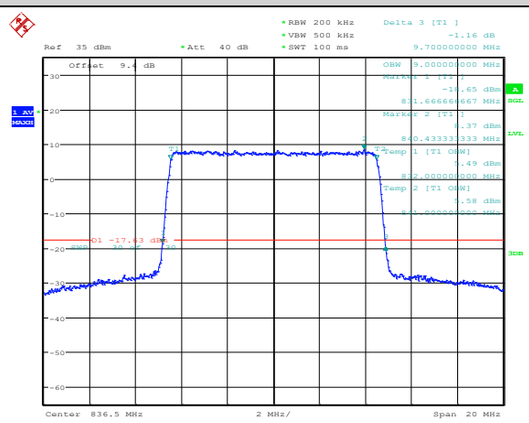
Band5-5MHz-16QAM-20625-25RB#0



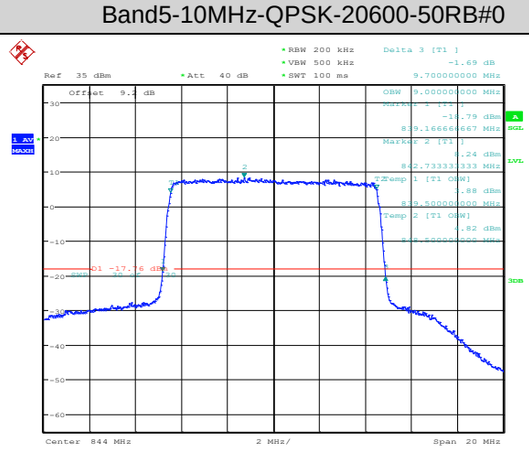
Band5-10MHz-QPSK-20450-50RB#0



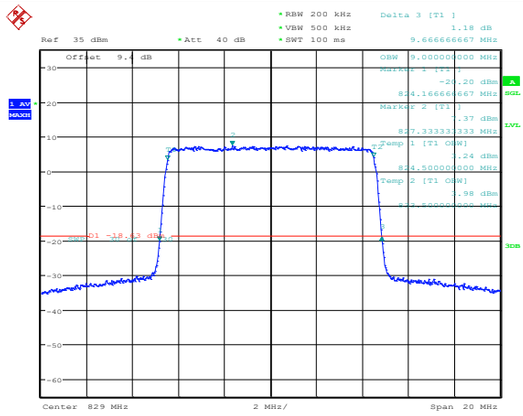
Band5-10MHz-QPSK-20525-50RB#0



Band5-10MHz-QPSK-20600-50RB#0

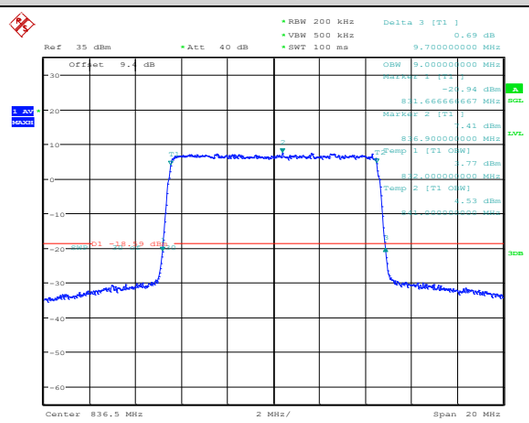


Band5-10MHz-16QAM-20450-50RB#0



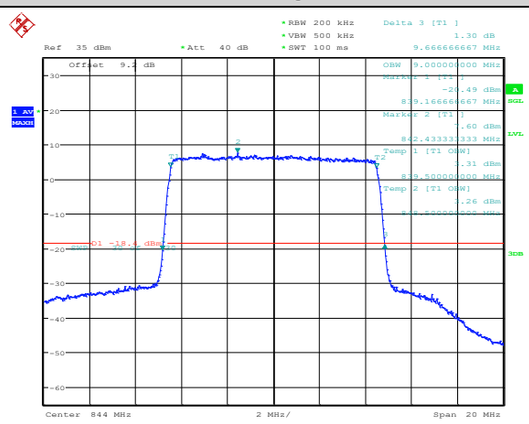
Date: 17.MAR.2023 13:49:15

Band5-10MHz-16QAM-20525-50RB#0



Date: 17.MAR.2023 13:50:10

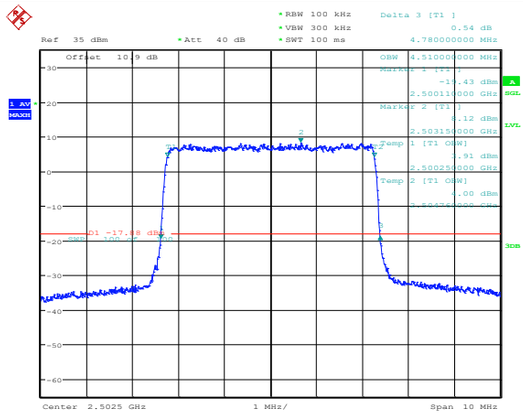
Band5-10MHz-16QAM-20600-50RB#0



Date: 17.MAR.2023 13:50:31

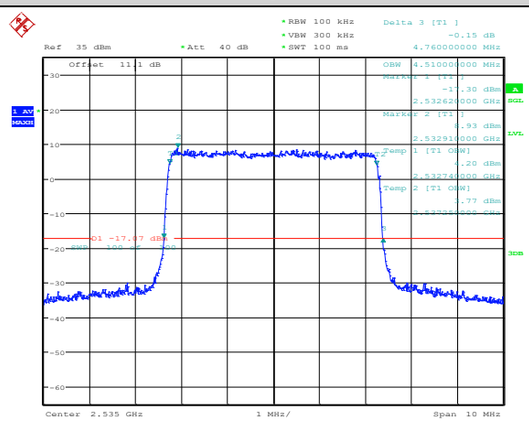
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.51	4.78	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.51	4.76	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5	4.78	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5	4.78	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.52	4.78	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.51	4.77	PASS
Band7	10MHz	QPSK	20800	50RB#0	9	9.70	PASS
Band7	10MHz	QPSK	21100	50RB#0	9	9.67	PASS
Band7	10MHz	QPSK	21400	50RB#0	9	9.70	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.967	9.63	PASS
Band7	10MHz	16QAM	21100	50RB#0	9	9.67	PASS
Band7	10MHz	16QAM	21400	50RB#0	9	9.67	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.5	14.55	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.5	14.50	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.5	14.55	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.45	14.55	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.5	14.50	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.5	14.55	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.949	19.74	PASS
Band7	20MHz	QPSK	21100	100RB#0	18.067	19.60	PASS
Band7	20MHz	QPSK	21350	100RB#0	18.067	19.67	PASS
Band7	20MHz	16QAM	20850	100RB#0	18.067	19.67	PASS
Band7	20MHz	16QAM	21100	100RB#0	18	19.67	PASS
Band7	20MHz	16QAM	21350	100RB#0	18.133	19.67	PASS

Band7-5MHz-QPSK-20775-25RB#0



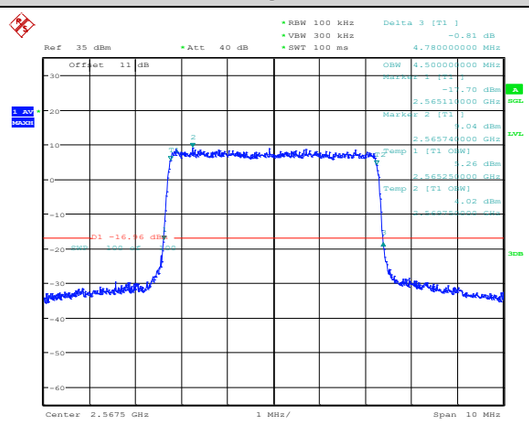
Date: 17.MAR.2023 14:40:04

Band7-5MHz-QPSK-21100-25RB#0



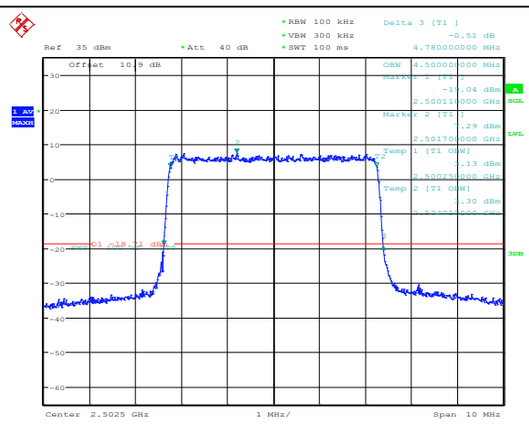
Date: 17.MAR.2023 14:40:41

Band7-5MHz-QPSK-21425-25RB#0



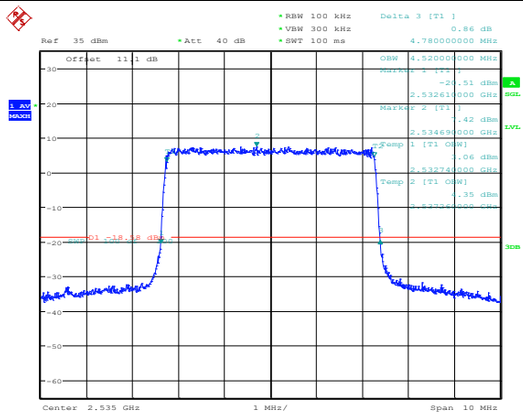
Date: 17.MAR.2023 14:41:19

Band7-5MHz-16QAM-20775-25RB#0



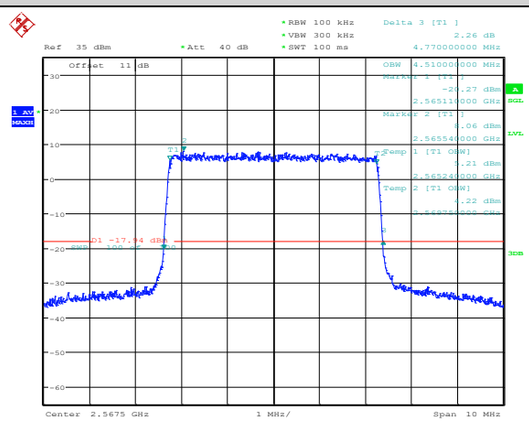
Date: 17.MAR.2023 14:40:20

Band7-5MHz-16QAM-21100-25RB#0



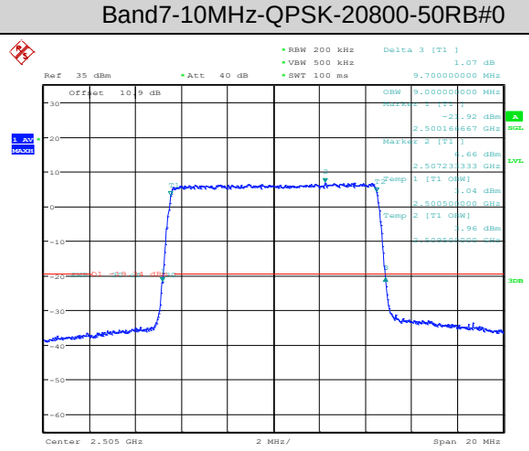
Date: 17.MAR.2023 14:40:58

Band7-5MHz-16QAM-21425-25RB#0



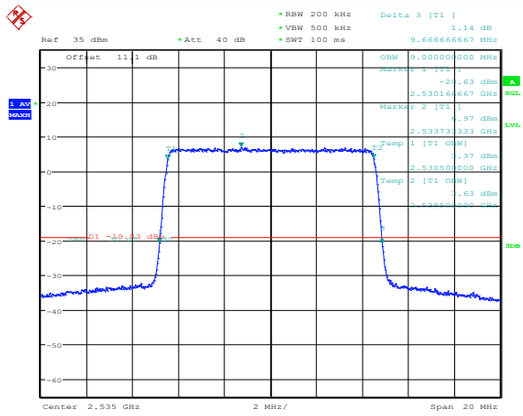
Date: 17.MAR.2023 14:41:35

Band7-10MHz-QPSK-20800-50RB#0



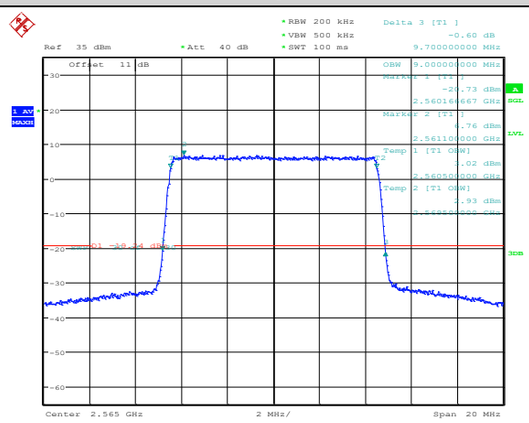
Date: 17.MAR.2023 15:04:44

Band7-10MHz-QPSK-21100-50RB#0



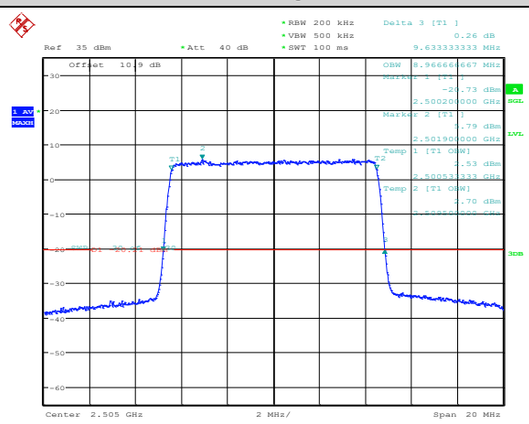
Date: 17.MAR.2023 15:05:04

Band7-10MHz-QPSK-21400-50RB#0



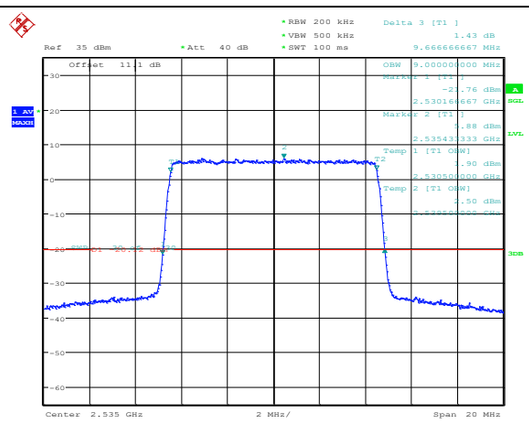
Date: 17.MAR.2023 15:05:23

Band7-10MHz-16QAM-20800-50RB#0



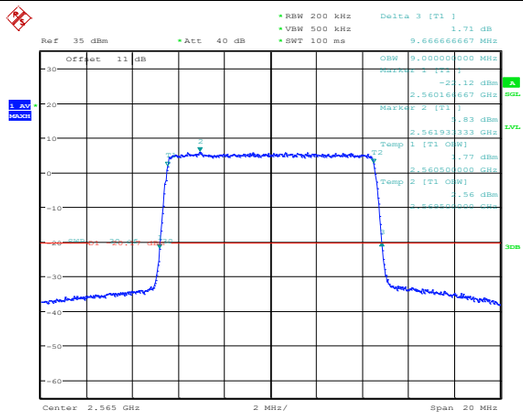
Date: 17.MAR.2023 15:04:51

Band7-10MHz-16QAM-21100-50RB#0



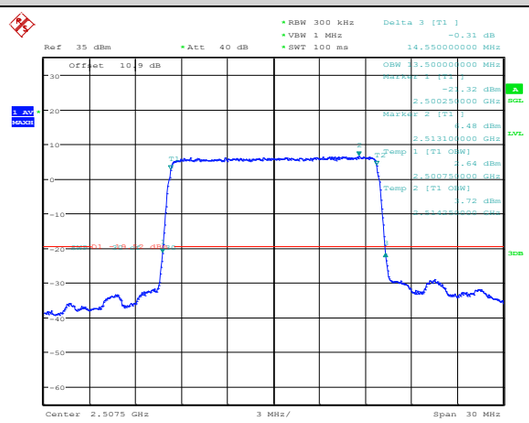
Date: 17.MAR.2023 15:05:11

Band7-10MHz-16QAM-21400-50RB#0



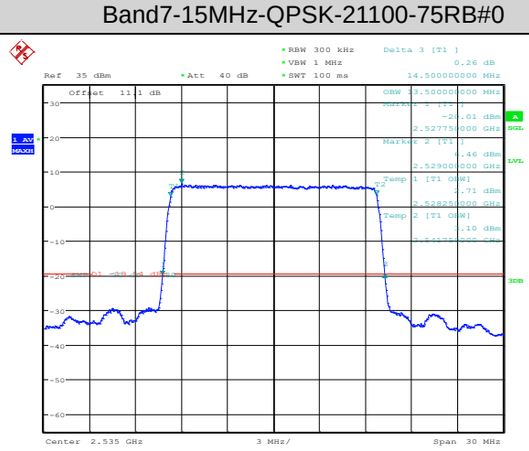
Date: 17.MAR.2023 15:05:31

Band7-15MHz-QPSK-20825-75RB#0



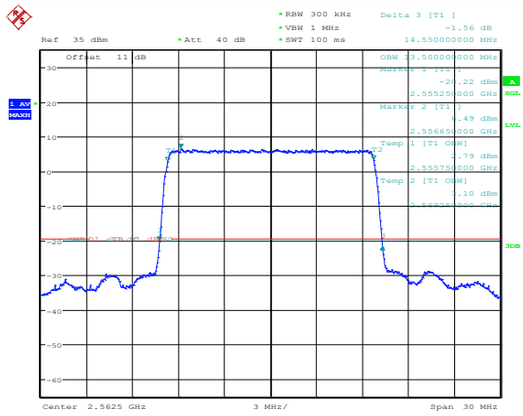
Date: 17.MAR.2023 15:40:19

Band7-15MHz-QPSK-21100-75RB#0



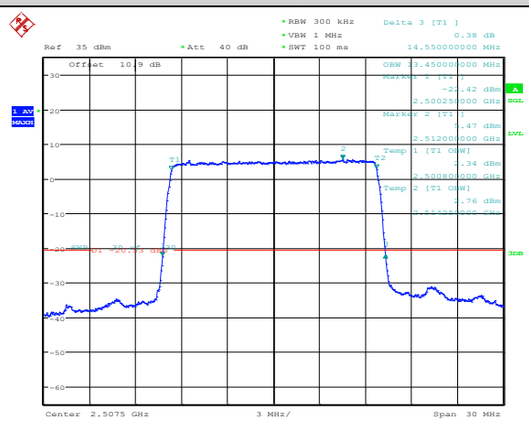
Date: 17.MAR.2023 15:40:37

Band7-15MHz-QPSK-21375-75RB#0



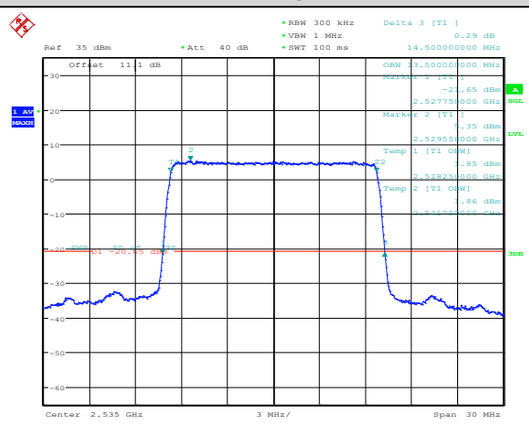
Date: 17.MAR.2023 15:40:55

Band7-15MHz-16QAM-20825-75RB#0



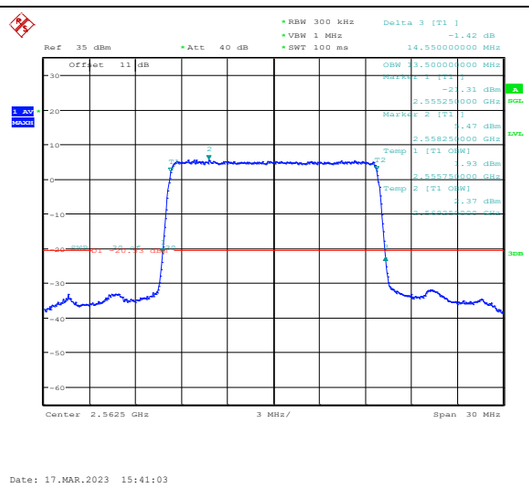
Date: 17.MAR.2023 15:40:27

Band7-15MHz-16QAM-21100-75RB#0

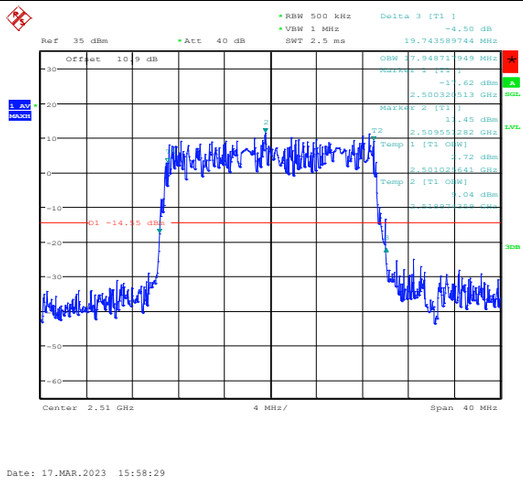


Date: 17.MAR.2023 15:40:45

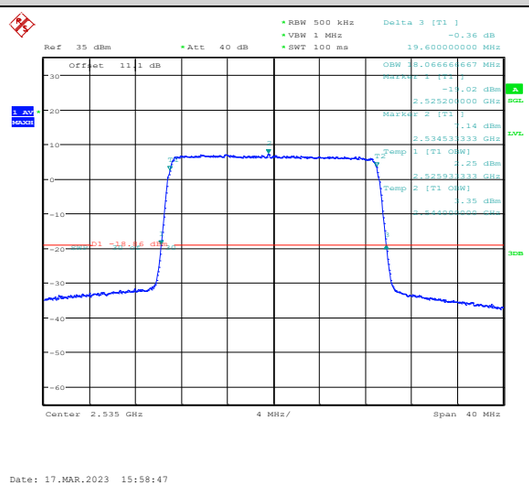
Band7-15MHz-16QAM-21375-75RB#0



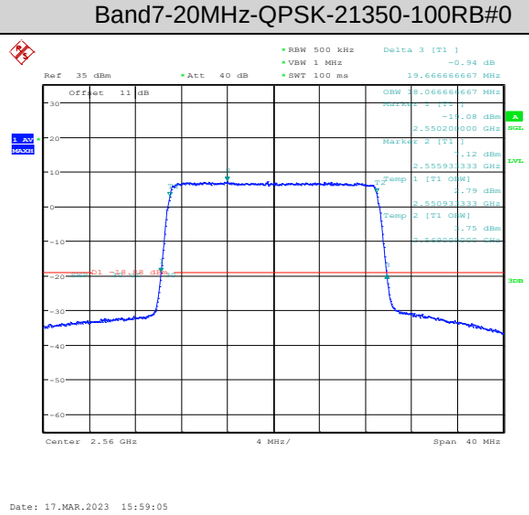
Band7-20MHz-QPSK-20850-100RB#0



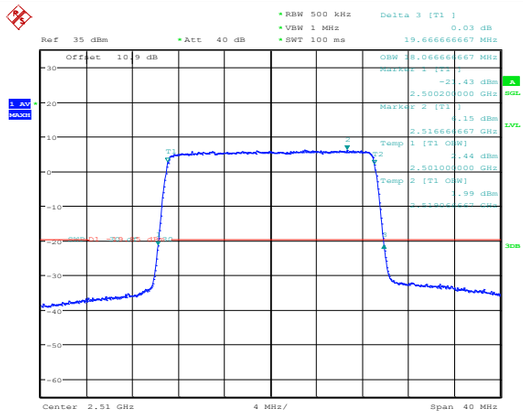
Band7-20MHz-QPSK-21100-100RB#0



Band7-20MHz-QPSK-21350-100RB#0

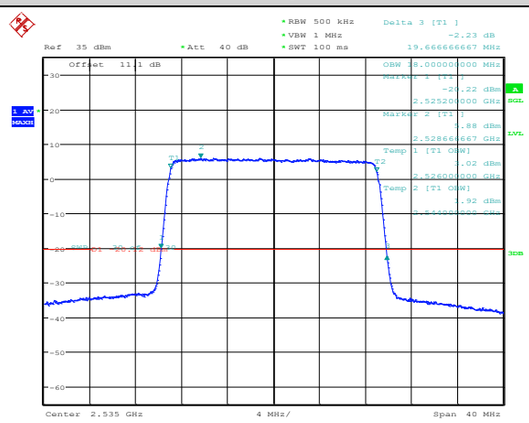


Band7-20MHz-16QAM-20850-100RB#0



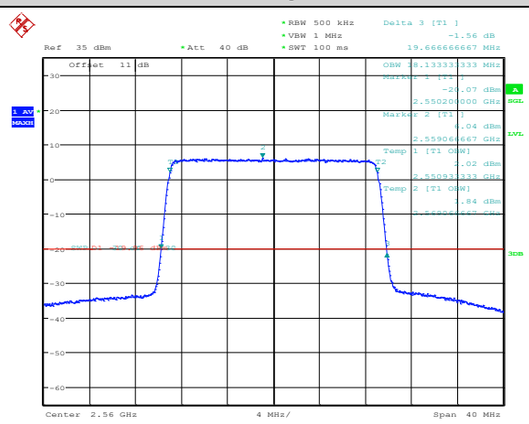
Date: 17.MAR.2023 15:58:37

Band7-20MHz-16QAM-21100-100RB#0



Date: 17.MAR.2023 15:58:55

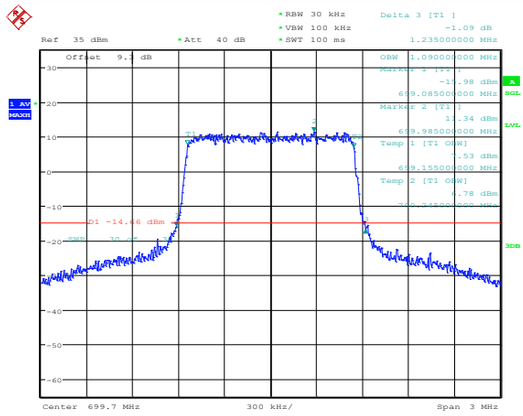
Band7-20MHz-16QAM-21350-100RB#0



Date: 17.MAR.2023 15:59:13

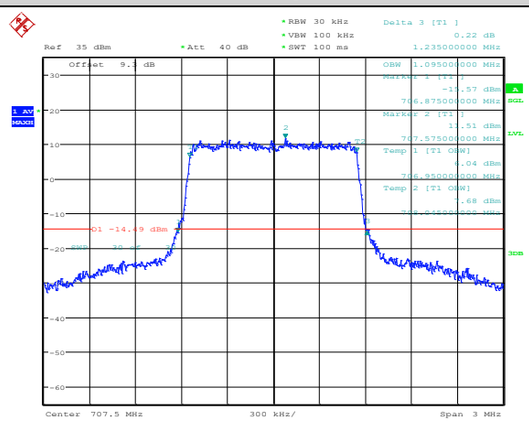
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	1.09	1.24	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	1.095	1.24	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	1.11	2.03	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	1.09	1.24	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	1.09	1.23	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	1.1	1.53	PASS
Band12	3MHz	QPSK	23025	15RB#0	2.615	2.78	PASS
Band12	3MHz	QPSK	23095	15RB#0	2.7	2.85	PASS
Band12	3MHz	QPSK	23165	15RB#0	2.7	2.92	PASS
Band12	3MHz	16QAM	23025	15RB#0	2.69	2.84	PASS
Band12	3MHz	16QAM	23095	15RB#0	2.7	2.85	PASS
Band12	3MHz	16QAM	23165	15RB#0	2.69	2.86	PASS
Band12	5MHz	QPSK	23035	25RB#0	4.487	4.71	PASS
Band12	5MHz	QPSK	23095	25RB#0	4.5	4.78	PASS
Band12	5MHz	QPSK	23155	25RB#0	4.5	4.78	PASS
Band12	5MHz	16QAM	23035	25RB#0	4.51	4.78	PASS
Band12	5MHz	16QAM	23095	25RB#0	4.51	4.79	PASS
Band12	5MHz	16QAM	23155	25RB#0	4.52	4.77	PASS
Band12	10MHz	QPSK	23060	50RB#0	9.006	9.71	PASS
Band12	10MHz	QPSK	23095	50RB#0	9	9.70	PASS
Band12	10MHz	QPSK	23130	50RB#0	9	9.67	PASS
Band12	10MHz	16QAM	23060	50RB#0	9	9.63	PASS
Band12	10MHz	16QAM	23095	50RB#0	9	9.70	PASS
Band12	10MHz	16QAM	23130	50RB#0	8.967	9.67	PASS

Band12-1.4MHz-QPSK-23017-6RB#0



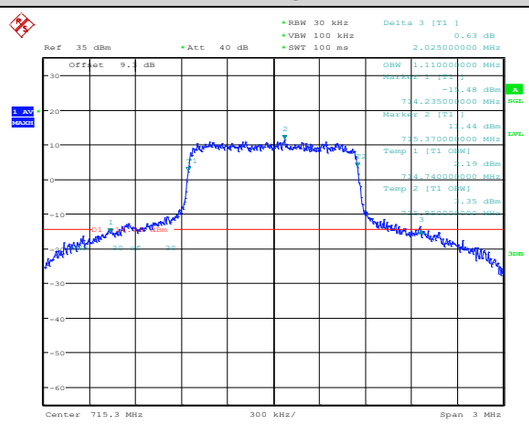
Date: 17.MAR.2023 16:20:28

Band12-1.4MHz-QPSK-23095-6RB#0



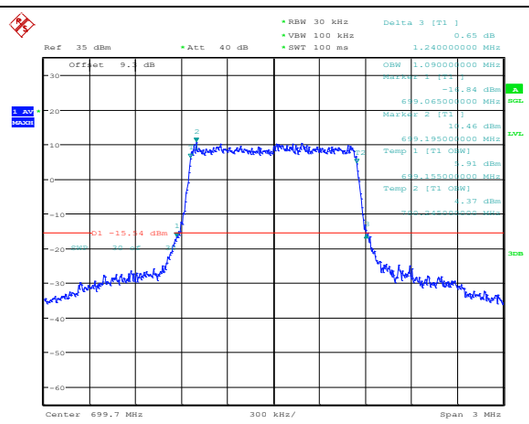
Date: 17.MAR.2023 16:20:44

Band12-1.4MHz-QPSK-23173-6RB#0

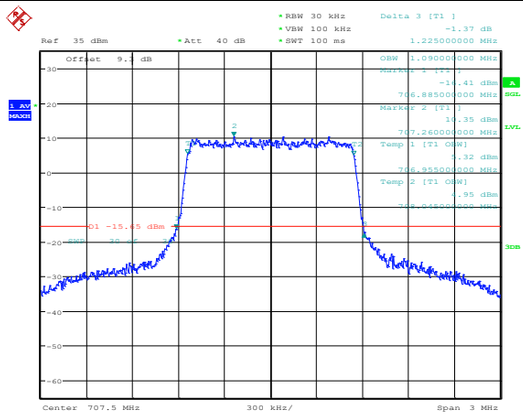


Date: 17.MAR.2023 16:21:00

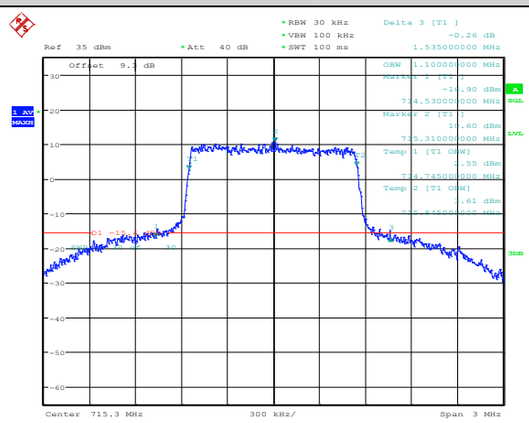
Band12-1.4MHz-16QAM-23017-6RB#0



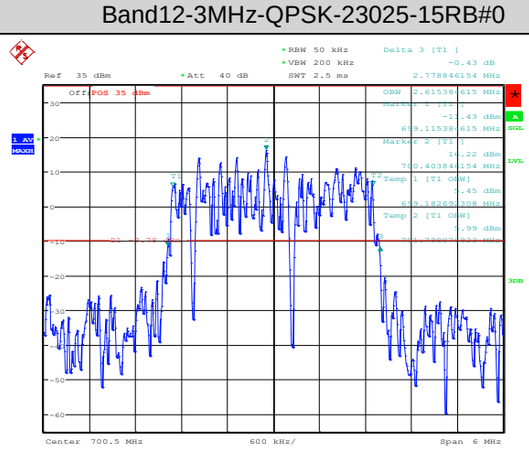
Band12-1.4MHz-16QAM-23095-6RB#0



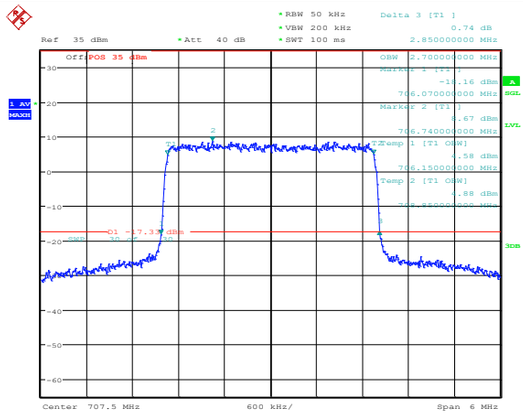
Band12-1.4MHz-16QAM-23173-6RB#0



Band12-3MHz-QPSK-23025-15RB#0

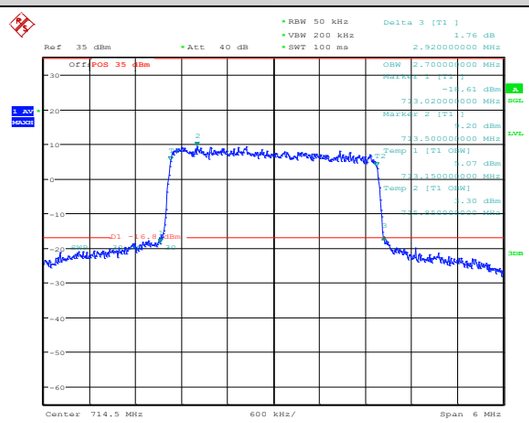


Band12-3MHz-QPSK-23095-15RB#0



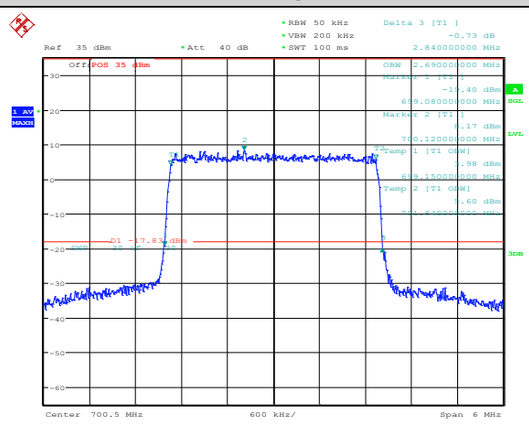
Date: 17.MAR.2023 16:37:52

Band12-3MHz-QPSK-23165-15RB#0



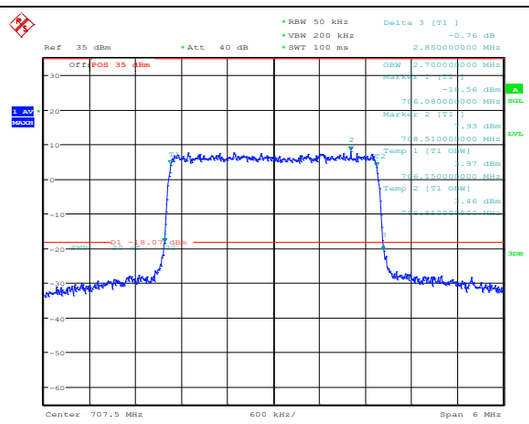
Date: 17.MAR.2023 16:38:08

Band12-3MHz-16QAM-23025-15RB#0



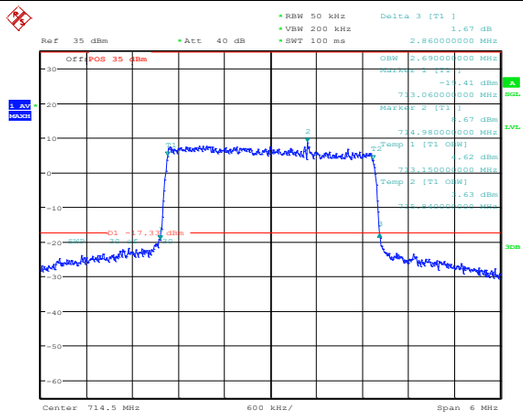
Date: 17.MAR.2023 16:37:44

Band12-3MHz-16QAM-23095-15RB#0



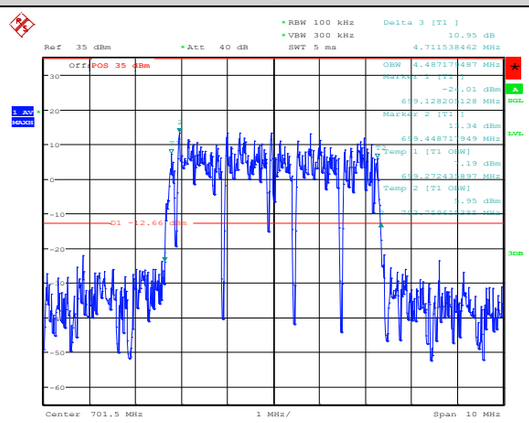
Date: 17.MAR.2023 16:37:59

Band12-3MHz-16QAM-23165-15RB#0



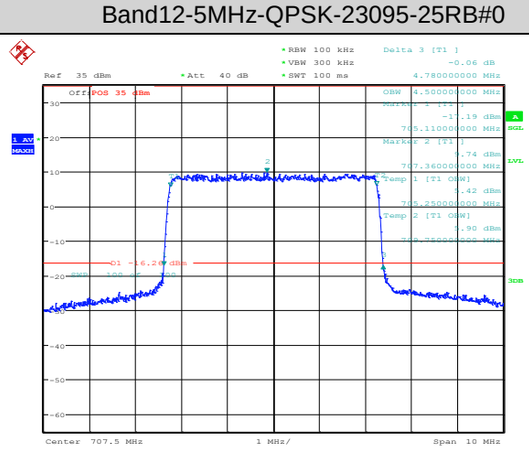
Date: 17.MAR.2023 16:38:15

Band12-5MHz-QPSK-23035-25RB#0



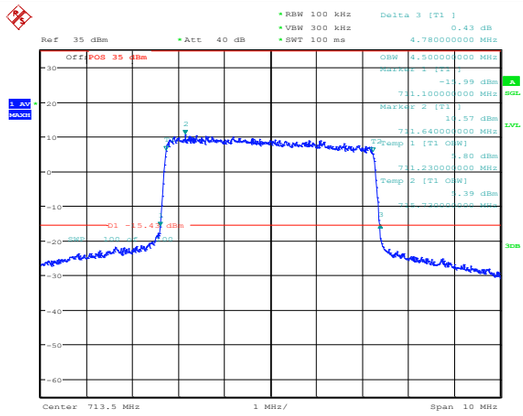
Date: 17.MAR.2023 16:54:27

Band12-5MHz-QPSK-23095-25RB#0



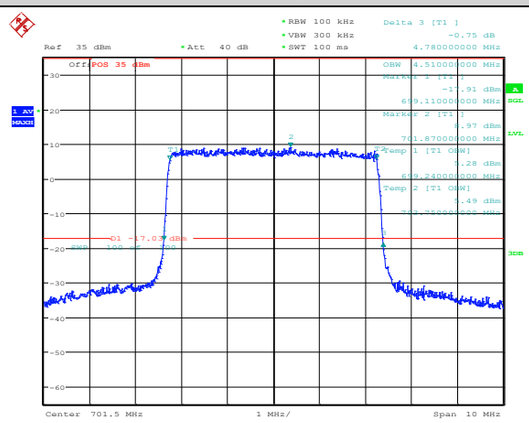
Date: 17.MAR.2023 16:55:02

Band12-5MHz-QPSK-23155-25RB#0



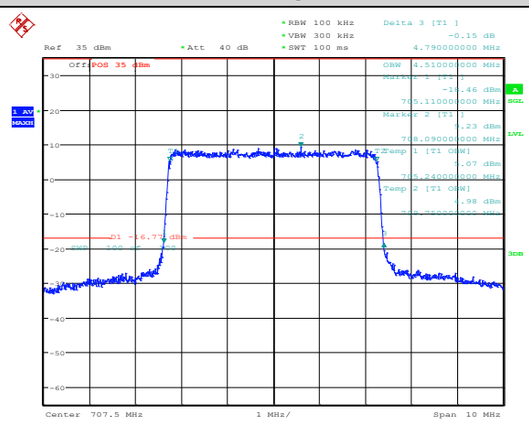
Date: 17.MAR.2023 16:55:35

Band12-5MHz-16QAM-23035-25RB#0



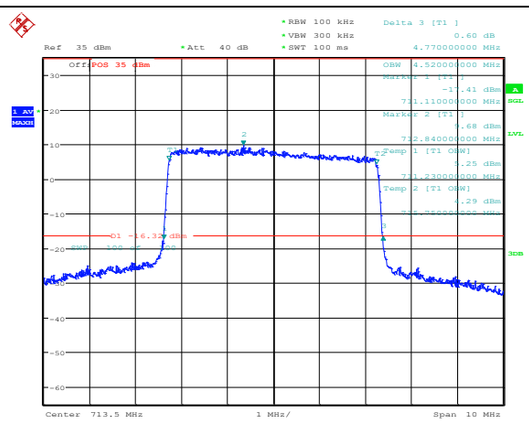
Date: 17.MAR.2023 16:54:44

Band12-5MHz-16QAM-23095-25RB#0

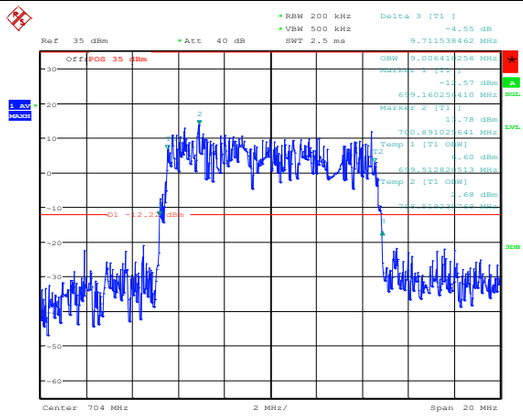


Date: 17.MAR.2023 16:55:19

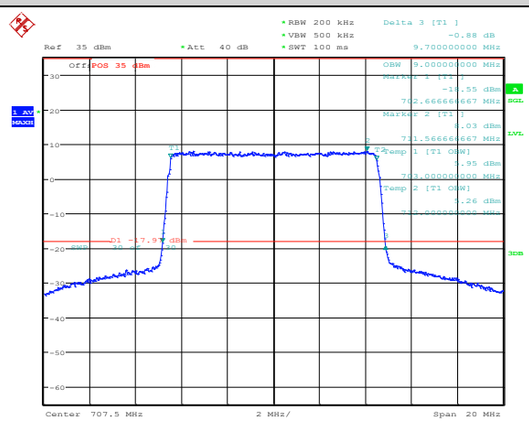
Band12-5MHz-16QAM-23155-25RB#0



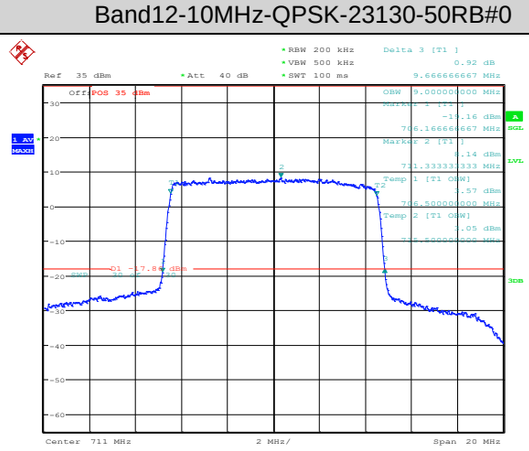
Band12-10MHz-QPSK-23060-50RB#0



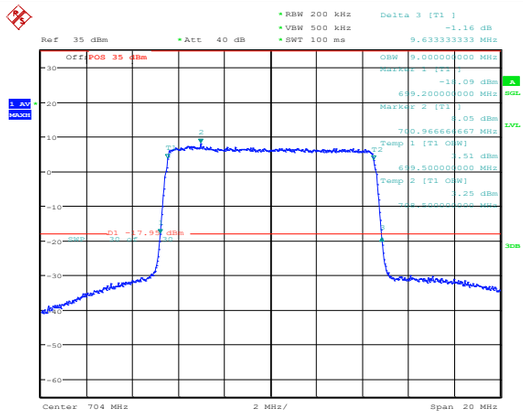
Band12-10MHz-QPSK-23095-50RB#0



Band12-10MHz-QPSK-23130-50RB#0

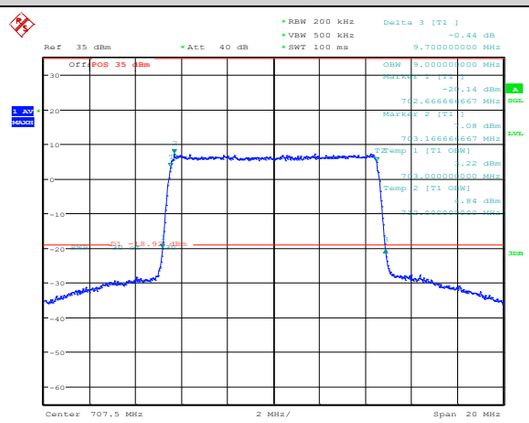


Band12-10MHz-16QAM-23060-50RB#0



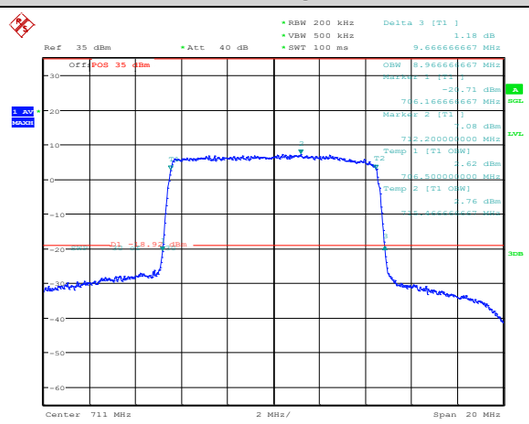
Date: 17.MAR.2023 17:11:53

Band12-10MHz-16QAM-23095-50RB#0



Date: 17.MAR.2023 17:12:10

Band12-10MHz-16QAM-23130-50RB#0



Date: 17.MAR.2023 17:12:27

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.5	4.78	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.51	4.78	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.5	4.78	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.52	4.77	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.5	4.77	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.5	4.77	PASS
Band17	10MHz	QPSK	23780	50RB#0	9.006	9.52	PASS
Band17	10MHz	QPSK	23790	50RB#0	9	9.67	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.967	9.67	PASS
Band17	10MHz	16QAM	23780	50RB#0	9	9.67	PASS
Band17	10MHz	16QAM	23790	50RB#0	9	9.67	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.967	9.63	PASS