

Appendix A
FCC ID: 2AX4YR10
Appendix of LTE

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Appendix A.1: Conducted Output Power

Measurement Data

Conducted Burst Power (dBm)						
Band	GSM850			PCS1900		
Channel	128	190	251	512	661	810
Frequency	824.20	836.60	848.80	1850.20	1880.00	1909.80
GSM (GMSK, 1 TX slot)	33.42	33.93	33.34	29.14	29.68	29.51
GPRS (GMSK, 1 TX slot)	33.05	32.28	32.61	28.84	28.60	28.48
GPRS (GMSK, 2 TX slot)	32.82	31.47	31.53	28.53	28.54	27.71
GPRS (GMSK, 3 TX slot)	31.56	31.08	31.13	28.21	28.38	27.98
GPRS (GMSK, 4 TX slot)	31.44	30.87	30.88	28.03	28.21	28.61
EGPRS (8PSK, 1 TX slot)	29.83	28.95	29.86	27.89	27.86	27.02
EGPRS (8PSK, 2 TX slot)	29.02	28.72	28.93	27.71	27.53	26.83
EGPRS (8PSK, 3 TX slot)	28.82	28.48	28.39	27.38	28.47	26.42
EGPRS (8PSK, 4 TX slot)	28.56	28.16	28.27	27.30	28.21	26.29

Burst Average Power (dBm)						
Band	WCDMA Band II			WCDMA Band V		
Channel	9262	9400	9538	4132	4183	4233
Frequency	1852.4	1880.0	1907.6	826.4	836.6	846.6
RMC 12.2Kbps	23.10	23.84	23.67	23.80	24.10	23.69
HSDPA Subtest-1	23.38	23.51	22.59	23.36	23.23	23.10
HSDPA Subtest-2	23.29	22.57	21.98	23.23	23.29	22.88
HSDPA Subtest-3	22.44	22.58	22.28	23.61	23.34	22.83
HSDPA Subtest-4	23.08	23.76	23.74	23.58	23.93	23.53
HSUPA Subtest-1	22.83	22.72	23.16	22.93	23.21	23.09
HSUPA Subtest-2	23.23	23.56	22.29	23.77	23.32	22.92
HSUPA Subtest-3	22.65	23.21	22.65	22.74	23.01	23.46
HSUPA Subtest-4	23.09	22.70	22.36	23.81	23.72	23.42
HSUPA Subtest-5	22.20	23.80	22.52	23.58	23.85	23.51

Burst Average Power (dBm)			
Band	WCDMA Band IV		
Channel	1312	1450	1513
Frequency	1712.4	1740.0	1752.6
RMC 12.2Kbps	24.95	24.98	24.98
HSDPA Subtest-1	24.26	24.43	24.10
HSDPA Subtest-2	23.64	24.45	23.97
HSDPA Subtest-3	23.65	24.30	24.21
HSDPA Subtest-4	24.40	24.75	24.34
HSUPA Subtest-1	24.69	24.49	24.29
HSUPA Subtest-2	24.66	24.54	24.15
HSUPA Subtest-3	23.69	24.23	24.50
HSUPA Subtest-4	23.89	24.34	24.23
HSUPA Subtest-5	24.67	24.85	24.33

LTE Band2

BW (MHz)	Frequency (MHz)	RB Configuration		Average Power [dBm]	
		Size	Offset	QPSK	16QAM
1.4	1850.7	1	0	23.96	22.66
		1	3	22.22	23.99
		1	5	24.00	22.23
		3	0	23.26	24.09
		3	2	22.64	22.83
		3	3	23.81	22.64
		6	0	22.17	22.81
	1880.0	1	0	24.30	22.89
		1	3	23.40	23.49
		1	5	22.85	22.72
		3	0	22.18	22.41
		3	2	22.18	22.36
		3	3	23.52	22.90
		6	0	23.04	23.22
	1909.3	1	0	23.03	22.42
		1	3	23.05	22.95
		1	5	22.75	23.21
		3	0	22.84	22.14
		3	2	23.30	23.23
		3	3	22.76	22.92
		6	0	23.02	22.46
3	1851.5	1	0	23.15	22.91
		1	7	22.85	23.10
		1	14	24.27	23.73
		8	0	22.63	22.34
		8	4	23.01	22.93
		8	7	22.93	23.08
		15	0	22.88	22.47
	1880.0	1	0	22.34	22.72
		1	7	22.88	22.89
		1	14	22.95	22.54
		8	0	22.54	22.16
		8	4	22.51	22.55
		8	7	22.58	23.12
		15	0	22.95	22.40
	1908.5	1	0	22.88	22.19
		1	7	22.89	22.72
		1	14	23.04	22.00
		8	0	22.44	22.54
		8	4	22.84	22.43
		8	7	22.83	22.08
		15	0	22.42	22.64
5	1852.5	1	0	22.49	22.77
		1	12	23.22	22.13
		1	24	23.03	22.19
		12	0	22.60	22.46
		12	6	22.66	22.61
		12	13	22.69	22.17
		25	0	22.39	22.31
	1880.0	1	0	23.78	24.38

		1	12	22.98	23.34	
		1	24	22.59	22.35	
		12	0	22.24	22.80	
		12	6	22.45	22.13	
		12	13	22.05	22.74	
		25	0	22.47	22.88	
	1907.5	1	0	22.90	22.39	
		1	12	22.19	22.28	
		1	24	22.30	22.21	
		12	0	22.77	23.03	
		12	6	22.32	22.79	
		12	13	22.55	22.39	
	10	1855.0	25	0	22.85	23.12
			1	0	23.88	23.15
1			24	22.91	22.92	
1			49	23.08	22.47	
25			0	23.26	22.30	
25			12	22.44	23.09	
1880.0		25	25	23.44	22.94	
		50	0	23.28	22.79	
		1	0	22.08	23.73	
		1	24	23.95	24.01	
		1	49	23.22	22.34	
		25	0	22.79	23.10	
1905.0		25	12	22.60	22.32	
		25	25	22.90	22.38	
	50	0	22.42	22.79		
	1	0	23.83	22.64		
	1	24	22.39	22.95		
	1	49	22.59	23.38		
15	1857.5	25	0	22.53	22.39	
		25	12	23.21	22.51	
		25	25	22.69	22.71	
		50	0	23.08	22.52	
		1	0	23.01	22.71	
		1	37	22.62	23.56	
	1880.0	1	74	22.26	22.87	
		37	0	22.85	22.31	
		37	18	22.89	22.49	
		37	38	22.64	22.87	
		75	0	24.07	22.26	
		1	0	22.45	23.76	
	1902.5	1	37	23.76	22.86	
		1	74	23.06	22.59	
37		0	22.65	22.74		
37		18	22.11	22.71		
37		38	22.96	22.60		
75		0	22.40	22.77		
	1902.5	1	0	22.09	22.78	
		1	37	23.41	22.65	
		1	74	22.55	22.74	
		37	0	23.01	22.75	
		37	18	22.82	22.71	

		37	38	22.29	23.15
		75	0	22.39	22.48
20	1860.0	1	0	24.94	24.91
		1	49	23.36	23.52
		1	99	22.65	23.37
		50	0	22.10	22.97
		50	25	23.26	22.73
		50	50	22.89	22.23
		100	0	22.66	22.17
		1880.0	1	0	24.80
	1		49	23.58	22.20
	1		99	24.38	22.51
	50		0	24.26	23.80
	50		25	24.36	22.97
	50		50	23.47	22.80
	100		0	23.30	23.24
	1900.0	1	0	24.90	24.54
		1	49	22.49	22.59
		1	99	22.43	23.06
		50	0	23.23	22.95
		50	25	23.53	22.66
		50	50	24.56	24.31
		100	0	22.25	22.04

LTE Band4

BW (MHz)	Frequency (MHz)	RB Configuration		Average Power [dBm]	
		Size	Offset	QPSK	16QAM
1.4	1710.7	1	0	23.83	22.81
		1	3	22.29	23.87
		1	5	23.94	22.46
		3	0	23.23	24.09
		3	2	22.60	22.79
		3	3	23.93	22.75
		6	0	22.37	22.82
	1732.5	1	0	24.12	22.84
		1	3	23.43	23.47
		1	5	22.92	22.84
		3	0	22.07	22.48
		3	2	22.38	22.17
		3	3	23.53	23.03
		6	0	22.93	23.04
	1754.3	1	0	23.08	22.21
		1	3	23.03	23.06
		1	5	22.86	23.10
		3	0	22.99	22.17
		3	2	23.37	23.25
		3	3	22.82	22.82
		6	0	23.10	22.55
3	1711.5	1	0	23.27	22.93
		1	7	22.85	23.09
		1	14	24.31	23.52
		8	0	22.66	22.47
		8	4	23.07	23.10
		8	7	23.15	23.14
		15	0	22.87	22.42
	1732.5	1	0	22.42	22.74
		1	7	22.67	22.96
		1	14	23.08	22.55
		8	0	22.48	22.19
		8	4	22.34	22.61
		8	7	22.55	23.02
		15	0	23.02	22.55
	1753.5	1	0	22.95	22.19
		1	7	23.13	22.74
		1	14	22.91	22.95
		8	0	22.47	22.71
		8	4	22.82	22.61
		8	7	22.84	22.20
		15	0	22.44	22.82
5	1712.5	1	0	22.56	22.73
		1	12	23.18	22.34
		1	24	23.07	22.19
		12	0	22.73	22.44
		12	6	22.56	22.52
		12	13	22.79	22.05
		25	0	22.29	22.50
	1732.5	1	0	23.69	24.34

		1	12	22.81	23.55	
		1	24	22.54	22.34	
		12	0	22.24	22.92	
		12	6	22.50	22.33	
		12	13	22.21	22.78	
		25	0	22.37	22.78	
	1752.5	1	0	23.01	22.42	
		1	12	22.12	22.22	
		1	24	22.36	22.22	
		12	0	22.69	22.81	
		12	6	22.26	22.69	
		12	13	22.65	22.23	
	10	1715.0	25	0	23.02	23.25
			1	0	23.85	23.24
1			24	22.98	23.15	
1			49	22.97	22.61	
25			0	23.32	22.25	
25			12	22.50	23.11	
25			25	23.31	22.94	
50		0	23.24	22.58		
1732.5		1	0	22.13	23.54	
		1	24	23.91	24.19	
		1	49	23.14	22.39	
		25	0	22.77	23.17	
		25	12	22.72	22.41	
		25	25	22.84	22.36	
	50	0	22.30	22.77		
1750.0	1	0	23.80	22.74		
	1	24	22.40	22.91		
	1	49	22.58	23.37		
	25	0	22.70	22.27		
	25	12	23.18	22.50		
	25	25	22.72	22.61		
	50	0	23.15	22.66		
15	1717.5	1	0	22.89	22.62	
		1	37	22.64	23.68	
		1	74	22.26	22.84	
		37	0	22.98	22.17	
		37	18	22.89	22.35	
		37	38	22.62	22.84	
		75	0	24.01	22.32	
	1732.5	1	0	22.37	23.59	
		1	37	23.95	23.02	
		1	74	22.90	22.76	
		37	0	22.49	22.80	
		37	18	22.10	22.76	
		37	38	22.99	22.52	
		75	0	22.33	22.72	
1747.5	1	0	22.97	22.79		
	1	37	23.35	22.63		
	1	74	22.61	22.65		
	37	0	22.87	22.98		
	37	18	22.69	22.74		

		37	38	22.34	23.23
		75	0	22.47	22.44
20	1722.0	1	0	23.42	22.61
		1	49	23.33	23.52
		1	99	22.83	23.34
		50	0	22.08	22.90
		50	25	23.33	22.82
		50	50	22.99	22.42
		100	0	22.67	22.24
		1732.5	1	0	24.98
	1		49	23.61	22.27
	1		99	24.49	22.31
	50		0	24.12	23.82
	50		25	24.30	22.87
	50		50	23.47	22.93
	100		0	23.45	23.07
	1745.0	1	0	24.90	24.80
		1	49	22.53	22.65
		1	99	22.40	23.03
		50	0	23.23	22.99
		50	25	23.34	22.61
		50	50	24.44	24.37
		100	0	22.28	22.02

LTE Band5

BW (MHz)	Frequency (MHz)	RB Configuration		Average Power [dBm]	
		Size	Offset	QPSK	16QAM
1.4	824.7	1	0	24.18	22.93
		1	3	22.60	23.45
		1	5	24.08	23.14
		3	0	24.06	23.47
		3	2	22.18	22.33
		3	3	23.11	22.28
		6	0	22.45	23.10
	836.5	1	0	23.59	23.44
		1	3	23.70	23.18
		1	5	23.12	22.70
		3	0	22.14	22.66
		3	2	22.24	22.02
		3	3	23.72	22.66
		6	0	22.50	22.90
	848.3	1	0	23.24	22.84
		1	3	22.44	22.92
		1	5	22.16	22.42
		3	0	22.60	23.00
		3	2	22.62	22.92
		3	3	22.29	22.12
		6	0	23.39	22.06
3	824.5	1	0	23.35	23.09
		1	7	22.79	23.12
		1	14	24.25	23.30
		8	0	23.13	22.50
		8	4	22.88	22.43
		8	7	22.20	22.54
		15	0	22.84	22.03
	836.5	1	0	23.08	22.57
		1	7	22.18	22.47
		1	14	22.61	22.40
		8	0	22.68	22.70
		8	4	22.20	23.42
		8	7	22.44	22.41
		15	0	22.45	22.45
	847.5	1	0	23.34	22.36
		1	7	22.89	22.87
		1	14	22.15	22.38
		8	0	23.27	22.87
		8	4	22.94	22.23
		8	7	22.72	22.93
		15	0	22.43	23.17
5	824.5	1	0	22.31	22.82
		1	12	22.64	22.44
		1	24	22.48	22.50
		12	0	22.29	22.20
		12	6	23.00	22.41
		12	13	22.33	22.55
		25	0	22.44	22.49
	836.5	1	0	24.13	24.18

		1	12	23.08	24.47	
		1	24	22.56	22.41	
		12	0	22.69	22.71	
		12	6	22.96	22.85	
		12	13	22.56	22.40	
		25	0	22.92	22.64	
	846.5	1	0	22.74	22.12	
		1	12	22.70	22.64	
		1	24	22.55	23.11	
		12	0	22.34	23.20	
		12	6	22.43	22.87	
		12	13	22.41	22.86	
	10	829.0	25	0	22.08	22.72
			1	0	24.95	24.77
1			24	23.02	24.49	
1			49	22.12	22.75	
25			0	24.10	23.65	
25			12	22.82	22.87	
25			25	22.54	22.61	
836.5		50	0	23.18	22.75	
		1	0	22.47	23.81	
		1	24	24.13	23.72	
		1	49	22.79	22.41	
		25	0	22.36	23.07	
		25	12	22.75	22.34	
		25	25	22.74	22.11	
844.0	50	0	22.24	22.50		
	1	0	24.36	24.11		
	1	24	23.09	22.86		
	1	49	22.94	22.71		
	25	0	22.95	22.20		
	25	12	22.28	23.36		
	25	25	22.21	22.92		
50	0	22.47	22.68			

LTE Band7

BW (MHz)	Frequency (MHz)	RB Configuration		Average Power [dBm]	
		Size	Offset	QPSK	16QAM
5	2502.5	1	0	24.22	23.50
		1	12	22.52	23.03
		1	24	23.17	23.19
		12	0	23.67	24.20
		12	6	22.31	22.97
		12	13	23.11	22.71
		25	0	22.48	22.68
	2535.0	1	0	24.27	22.94
		1	12	24.51	23.45
		1	24	22.80	23.19
		12	0	22.02	22.54
		12	6	22.91	22.87
		12	13	23.77	22.92
		25	0	22.95	23.02
	2567.5	1	0	22.17	22.04
		1	12	22.94	22.95
		1	24	22.75	22.39
		12	0	22.18	22.74
		12	6	23.30	23.05
		12	13	22.77	23.31
		25	0	22.69	22.75
10	2505.0	1	0	23.28	22.93
		1	24	22.82	23.16
		1	49	24.75	23.78
		25	0	23.60	22.78
		25	12	23.23	22.96
		25	25	22.76	22.67
		50	0	22.61	22.28
	2535.0	1	0	22.36	22.71
		1	24	22.91	22.72
		1	49	22.90	22.27
		25	0	22.40	22.46
		25	12	22.55	22.70
		25	25	22.71	23.07
		50	0	23.11	23.11
	2565.0	1	0	22.97	22.29
		1	24	22.42	22.61
		1	49	22.46	22.89
		25	0	22.73	23.28
		25	12	22.37	22.78
		25	25	22.49	22.58
		50	0	22.17	22.53
15	2507.5	1	0	23.14	22.24
		1	37	23.18	22.29
		1	74	23.13	22.24
		37	0	22.51	22.42
		37	18	22.78	22.72
		37	38	22.82	22.46
		75	0	23.12	22.08
	2535.0	1	0	24.41	23.84

		1	37	22.45	23.09	
		1	74	22.98	22.60	
		37	0	23.05	22.64	
		37	18	22.08	22.69	
		37	38	22.33	23.35	
		75	0	22.51	22.71	
	2562.5	1	0	23.02	22.93	
		1	37	22.32	22.59	
		1	74	22.42	22.79	
		37	0	23.08	23.02	
		37	18	22.95	22.65	
		37	38	22.74	22.31	
	20	2510.0	1	0	24.16	24.12
			1	49	23.30	23.39
1			99	22.87	22.45	
50			0	23.29	22.37	
50			25	22.44	22.30	
50			50	23.45	22.65	
2535.0		100	0	23.96	22.83	
		1	0	24.67	24.42	
		1	49	24.23	23.79	
		1	99	22.79	22.90	
		50	0	23.39	22.12	
		50	25	22.30	22.30	
2560		50	50	23.38	22.52	
		100	0	23.91	23.09	
	1	0	24.76	24.68		
	1	49	24.58	23.88		
	1	99	22.85	22.71		
	50	0	23.51	22.17		
50	25	22.44	22.43			
50	50	23.23	22.62			
100	0	24.13	23.07			

LTE Band12

BW (MHz)	Frequency (MHz)	RB Configuration		Average Power [dBm]	
		Size	Offset	QPSK	16QAM
1.4	699.7	1	0	24.07	23.48
		1	3	22.54	23.21
		1	5	23.31	23.28
		3	0	23.70	24.29
		3	2	22.20	23.09
		3	3	23.10	22.80
		6	0	22.39	22.73
	707.5	1	0	24.18	22.81
		1	3	24.61	23.40
		1	5	22.70	23.04
		3	0	22.04	22.56
		3	2	22.95	22.87
		3	3	23.73	22.76
		6	0	22.98	23.14
	715.3	1	0	22.16	22.08
		1	3	23.06	22.94
		1	5	22.73	22.41
		3	0	22.14	22.69
		3	2	23.24	23.07
		3	3	22.73	23.19
		6	0	22.62	22.75
3	700.5	1	0	23.27	22.83
		1	7	22.91	23.16
		1	14	24.71	23.94
		8	0	23.58	22.80
		8	4	23.17	23.03
		8	7	22.71	22.69
		15	0	22.58	22.30
	707.5	1	0	22.36	22.75
		1	7	22.74	22.90
		1	14	22.95	22.16
		8	0	22.54	22.39
		8	4	22.72	22.62
		8	7	22.68	23.24
		15	0	23.09	22.96
	714.5	1	0	22.98	22.24
		1	7	22.42	22.70
		1	14	22.31	22.91
		8	0	22.75	23.24
		8	4	22.53	22.72
		8	7	22.42	22.60
		15	0	22.08	22.65
5	701.5	1	0	22.96	22.45
		1	12	23.01	22.11
		1	24	23.25	22.25
		12	0	22.42	22.39
		12	6	22.67	22.86
		12	13	22.75	22.29
		25	0	23.05	22.05
	707.5	1	0	24.49	23.97

		1	12	22.41	23.23	
		1	24	23.01	22.50	
		12	0	22.88	22.57	
		12	6	22.13	22.73	
		12	13	22.19	23.33	
		25	0	22.42	22.71	
	713.5	1	0	23.00	22.97	
		1	12	22.54	22.55	
		1	24	22.56	22.87	
		12	0	23.02	23.05	
		12	6	22.98	22.57	
		12	13	22.73	22.32	
	10	704	25	0	22.16	22.25
			1	0	24.91	24.57
1			24	23.29	23.44	
1			49	22.88	22.37	
25			0	23.28	22.19	
25			12	22.35	22.35	
25			25	23.30	22.66	
707.5		50	0	23.97	22.83	
		1	0	24.68	24.38	
		1	24	24.25	24.01	
		1	49	22.73	22.75	
		25	0	23.25	22.22	
		25	12	22.43	22.45	
		25	25	23.29	22.49	
711.0		50	0	23.80	23.00	
		1	0	24.40	24.04	
		1	24	24.43	23.85	
		1	49	22.88	22.63	
		25	0	23.42	22.21	
		25	12	22.28	22.28	
		25	25	23.13	22.65	
50	0	24.14	22.97			

LTE Band17

BW (MHz)	Frequency (MHz)	RB Configuration		Average Power [dBm]	
		Size	Offset	QPSK	16QAM
5	706.5	1	0	24.43	22.98
		1	12	23.07	22.74
		1	24	24.00	23.44
		12	0	23.93	23.20
		12	6	22.18	22.61
		12	13	23.66	22.26
		25	0	22.63	22.99
	710.0	1	0	23.91	23.29
		1	12	24.30	22.59
		1	24	22.87	22.99
		12	0	22.87	22.49
		12	6	22.90	23.02
		12	13	23.31	22.29
	713.5	25	0	22.72	23.03
1	0	22.78	23.05		

		1	12	23.15	22.80
		1	24	22.81	22.09
		12	0	22.63	23.05
		12	6	22.44	22.61
		12	13	22.71	22.63
		25	0	23.21	22.81
10	709.0	1	0	23.77	22.60
		1	24	22.07	23.23
		1	49	24.22	23.23
		25	0	22.96	22.97
		25	12	22.45	22.86
		25	25	22.66	22.70
		50	0	22.98	22.93
	710.0	1	0	22.26	22.22
		1	24	22.65	22.46
		1	49	22.64	22.60
		25	0	22.78	22.91
		25	12	22.69	23.08
		25	25	22.96	22.53
		50	0	22.77	22.35
	711.0	1	0	24.86	24.63
		1	24	22.94	24.38
		1	49	22.78	22.16
		25	0	24.67	24.09
		25	12	22.95	22.47
		25	25	22.75	22.83
		50	0	22.84	22.92

LTE Band25

BW (MHz)	Frequency (MHz)	RB Configuration		Average Power [dBm]	
		Size	Offset	QPSK	16QAM
1.4	1850.7	1	0	24.03	22.74
		1	3	22.39	23.92
		1	5	23.93	22.47
		3	0	23.28	24.06
		3	2	22.44	22.94
		3	3	23.76	22.68
		6	0	22.30	22.87
	1882.5	1	0	24.30	22.71
		1	3	23.39	23.35
		1	5	22.93	22.79
		3	0	22.14	22.50
		3	2	22.18	22.36
		3	3	23.47	22.89
		6	0	23.14	23.04
	1914.3	1	0	22.97	22.30
		1	3	22.98	23.10
		1	5	22.85	23.21
		3	0	22.97	22.02
		3	2	23.38	23.29
		3	3	22.91	22.85
		6	0	23.17	22.45
3	1851.5	1	0	23.11	22.80
		1	7	23.01	23.04
		1	14	24.32	23.65
		8	0	22.60	22.34
		8	4	23.12	23.09
		8	7	22.96	23.16
		15	0	22.92	22.43
	1882.5	1	0	22.28	22.72
		1	7	22.80	22.84
		1	14	23.07	22.61
		8	0	22.46	22.34
		8	4	22.34	22.62
		8	7	22.79	23.13
		15	0	23.03	22.52
	1913.5	1	0	22.80	22.02
		1	7	23.13	22.73
		1	14	22.95	22.09
		8	0	22.42	22.73
		8	4	22.83	22.50
		8	7	22.88	22.02
		15	0	22.25	22.67
5	1852.5	1	0	22.47	22.75
		1	12	23.23	22.26

		1	24	23.08	22.22	
		12	0	22.71	22.42	
		12	6	22.75	22.50	
		12	13	22.68	22.10	
		25	0	22.42	22.29	
	1882.5	1	0	23.84	24.39	
		1	12	22.92	23.36	
		1	24	22.65	22.22	
		12	0	22.12	22.97	
		12	6	22.38	22.35	
		12	13	22.12	22.86	
		25	0	22.29	22.73	
	1912.5	1	0	22.80	22.29	
		1	12	22.21	22.14	
		1	24	22.31	22.24	
		12	0	22.64	22.98	
		12	6	22.19	22.75	
		12	13	22.58	22.33	
		25	0	22.87	23.15	
	10	1855	1	0	23.88	23.29
			1	24	22.78	22.99
1			49	23.04	22.44	
25			0	23.20	22.25	
25			12	22.40	22.96	
25			25	23.40	22.99	
50			0	23.25	22.68	
1882.5		1	0	22.05	23.70	
		1	24	23.98	24.12	
		1	49	23.15	22.41	
		25	0	22.90	23.23	
		25	12	22.54	22.36	
		25	25	22.76	22.53	
		50	0	22.36	22.78	
1910.0		1	0	23.79	22.78	
		1	24	22.61	22.86	
		1	49	22.39	23.45	
		25	0	22.57	22.48	
		25	12	23.35	22.56	
		25	25	22.66	22.57	
		50	0	23.13	22.65	
15	1857.5	1	0	22.96	22.83	
		1	37	22.78	23.54	
		1	74	22.29	22.72	
		37	0	23.09	22.21	
		37	18	22.90	22.32	
		37	38	22.75	22.71	
		75	0	23.95	22.26	

	1882.5	1	0	22.35	23.57
		1	37	23.80	22.95
		1	74	23.12	22.71
		37	0	22.66	22.63
		37	18	22.19	22.78
		37	38	22.94	22.57
		75	0	22.24	22.90
	1907.5	1	0	22.02	22.74
		1	37	23.37	22.68
		1	74	22.73	22.81
		37	0	22.90	22.76
		37	18	22.79	22.67
		37	38	22.22	23.34
		75	0	22.55	22.58
20	1860.0	1	0	23.32	22.47
		1	49	23.29	23.62
		1	99	22.76	23.29
		50	0	22.11	22.83
		50	25	23.39	22.95
		50	50	22.97	22.32
		100	0	22.78	22.26
	1882.5	1	0	24.76	24.75
		1	49	23.61	22.07
		1	99	24.37	22.51
		50	0	24.27	23.94
		50	25	24.14	22.87
		50	50	23.44	22.74
		100	0	23.44	23.13
	1905.0	1	0	24.97	24.83
		1	49	22.58	22.76
		1	99	22.53	23.24
		50	0	23.25	23.11
		50	25	23.55	22.59
		50	50	24.58	24.35
		100	0	22.21	22.24

LTE Band26

BW (MHz)	Frequency (MHz)	RB Configuration		Average Power [dBm]	
		Size	Offset	QPSK	16QAM
1.4	814.7	1	0	24.24	23.27
		1	3	23.10	23.91
		1	5	24.05	22.39
		3	0	23.32	23.60
		3	2	22.64	22.66
		3	3	22.81	22.77
		6	0	22.86	23.14
	819.0	1	0	23.71	22.88
		1	3	23.68	23.38
		1	5	23.13	22.99
		3	0	22.67	23.35
		3	2	22.81	23.31
		3	3	23.28	22.97
		6	0	22.44	23.36
	823.3	1	0	22.84	22.56
		1	3	22.31	23.27
		1	5	22.53	23.00
		3	0	22.14	22.59
		3	2	23.39	22.93
		3	3	23.31	22.42
		6	0	23.43	22.35
3	815.5	1	0	23.75	22.91
		1	7	22.60	22.58
		1	14	24.16	23.48
		8	0	22.44	22.47
		8	4	22.26	23.03
		8	7	22.20	22.86
		15	0	22.80	22.91
	819.0	1	0	22.17	22.42
		1	7	22.91	22.21
		1	14	23.06	22.13
		8	0	22.98	22.18
		8	4	22.93	22.01
		8	7	22.39	23.03
		15	0	22.85	22.81
	822.5	1	0	22.62	22.69
		1	7	22.29	22.71
		1	14	22.43	22.37
		8	0	22.39	22.99
		8	4	22.58	22.87
		8	7	22.94	23.11
		15	0	23.06	23.21
5	816.5	1	0	22.09	22.07

		1	12	23.27	22.56	
		1	24	22.98	22.41	
		12	0	22.33	22.41	
		12	6	22.40	23.04	
		12	13	23.12	22.61	
		25	0	22.12	22.97	
	819.0		1	0	24.50	24.59
			1	12	23.19	23.69
			1	24	22.31	22.95
			12	0	22.79	22.60
			12	6	22.90	22.73
			12	13	22.59	22.45
	822.5		25	0	22.70	22.97
			1	0	23.23	23.05
			1	12	22.50	22.79
			1	24	22.61	22.50
			12	0	22.23	23.04
			12	6	22.57	22.33
	10	819.0	12	13	22.52	22.40
			25	0	22.33	22.74
			1	0	24.68	24.62
1			24	23.06	23.32	
1			49	22.49	22.44	
25			0	22.25	22.71	
25			12	22.41	22.37	
25	25	23.09	22.60			
		50	0	23.52	23.25	

LTE Band38

BW (MHz)	Frequency (MHz)	RB Configuration		Average Power [dBm]	
		Size	Offset	QPSK	16QAM
5	2572.5	1	0	22.97	23.24
		1	12	23.27	22.78
		1	24	22.59	22.90
		12	0	23.48	23.25
		12	6	23.93	22.92
		12	13	23.05	22.30
		25	0	23.57	22.96
	2595.0	1	0	23.81	23.07
		1	12	23.10	22.07
		1	24	22.88	22.39
		12	0	23.01	22.08
		12	6	22.00	22.81
		12	13	22.71	22.63
		25	0	22.26	22.57
	2617.5	1	0	22.11	22.85
		1	12	22.10	22.59
		1	24	22.81	22.25
		12	0	22.80	22.22
		12	6	22.53	22.33
		12	13	22.61	22.34
		25	0	22.43	22.47
10	2575.0	1	0	23.19	24.08
		1	24	23.08	22.14
		1	49	23.04	23.07
		25	0	24.06	22.55
		25	12	24.27	22.40
		25	25	23.30	22.57
		50	0	23.87	22.78
	2595.0	1	0	23.00	23.34
		1	24	23.50	22.79
		1	49	23.10	22.94
		25	0	23.24	22.87
		25	12	22.12	22.10
		25	25	22.51	22.86
		50	0	22.89	22.19
	2615.0	1	0	23.01	22.64
		1	24	22.82	22.21
		1	49	22.97	22.45
		25	0	22.99	22.82
		25	12	22.28	22.59
		25	25	22.98	22.42
		50	0	22.94	22.22
15	2577.5	1	0	22.50	23.04
		1	37	23.41	23.58

		1	74	22.95	22.82	
		37	0	22.83	22.73	
		37	18	22.78	22.27	
		37	38	22.70	22.43	
		75	0	22.58	22.97	
	2595.0	1	0	22.61	22.54	
		1	37	23.23	22.42	
		1	74	22.91	22.38	
		37	0	22.58	22.97	
		37	18	22.79	22.88	
		37	38	22.08	22.65	
		75	0	22.66	22.97	
	2612.5	1	0	22.90	22.67	
		1	37	22.60	22.01	
		1	74	22.99	22.85	
		37	0	22.66	22.47	
		37	18	23.19	22.05	
		37	38	22.81	22.55	
		75	0	22.17	22.06	
	20	2580.0	1	0	23.40	23.78
			1	49	23.53	22.85
1			99	23.30	22.28	
50			0	23.32	22.44	
50			25	23.11	22.52	
50			50	22.45	22.33	
100			0	22.97	22.38	
2595.0		1	0	22.72	22.70	
		1	49	22.77	23.23	
		1	99	22.93	22.74	
		50	0	22.46	22.34	
		50	25	22.73	22.51	
		50	50	22.59	22.87	
		100	0	22.14	22.64	
2610.0		1	0	24.33	24.23	
		1	49	22.54	22.33	
		1	99	22.20	22.00	
		50	0	22.38	22.48	
		50	25	22.70	22.26	
		50	50	22.76	22.02	
		100	0	22.49	22.76	

LTE Band41

BW (MHz)	Frequency (MHz)	RB Configuration		Average Power [dBm]	
		Size	Offset	QPSK	16QAM
5	2593.5	1	0	24.38	23.38
		1	12	23.12	23.62
		1	24	24.12	22.42
		12	0	23.31	23.69
		12	6	23.22	22.80
		12	13	22.78	23.00
		25	0	22.56	22.61
	2600	1	0	23.98	23.04
		1	12	24.12	22.54
		1	24	22.97	22.93
		12	0	22.71	23.22
		12	6	23.23	22.18
		12	13	23.02	22.48
		25	0	22.61	22.75
	2652.5	1	0	22.71	22.08
		1	12	22.13	23.13
		1	24	22.99	22.96
		12	0	22.83	22.84
		12	6	22.60	22.23
		12	13	22.19	22.44
		25	0	23.27	22.42
10	2560.0	1	0	23.48	22.39
		1	24	22.64	23.63
		1	49	24.08	23.83
		25	0	22.51	22.87
		25	12	22.82	23.20
		25	25	22.70	22.92
		50	0	22.76	23.06
	2600	1	0	22.06	23.17
		1	24	22.36	22.89
		1	49	22.57	22.41
		25	0	23.07	22.65
		25	12	22.44	22.84
		25	25	22.34	22.16
		50	0	22.21	22.38
	2650.0	1	0	22.66	22.29
		1	24	22.41	22.62
		1	49	22.52	22.97
		25	0	22.51	22.78
		25	12	22.79	22.20
		25	25	22.12	22.62
		50	0	22.04	22.29
15	2562.5	1	0	22.93	22.15
		1	37	22.87	22.47
		1	74	22.37	22.64
		37	0	22.43	22.57
		37	18	23.00	22.58
		37	38	22.35	22.42
		75	0	22.27	22.16
	2600	1	0	24.27	23.68

		1	37	22.21	23.84	
		1	74	22.51	22.93	
		37	0	22.70	22.18	
		37	18	22.75	22.75	
		37	38	22.70	22.79	
		75	0	22.27	22.76	
	2647.5	1	0	23.45	22.73	
		1	37	22.00	22.87	
		1	74	22.95	22.43	
		37	0	22.92	22.88	
		37	18	22.67	22.44	
		37	38	23.11	22.68	
	20	2565.0	75	0	22.32	22.80
			1	0	24.86	24.59
1			49	23.50	24.52	
1			99	23.21	22.61	
50			0	24.15	23.51	
50			25	22.49	24.18	
2590.0		50	50	22.58	23.18	
		100	0	22.71	22.65	
		1	0	24.80	24.15	
		1	49	23.87	24.11	
		1	99	22.81	22.26	
		50	0	22.32	22.48	
2645.0		50	25	22.20	22.65	
		50	50	22.73	22.80	
	100	0	22.37	22.82		
	1	0	23.44	22.39		
	1	49	22.37	22.90		
	1	99	22.09	23.04		
		50	0	22.82	22.17	
		50	25	22.60	22.95	
		50	50	22.69	22.09	
		100	0	22.49	22.75	

LTE Band66

BW (MHz)	Frequency (MHz)	RB Configuration		Average Power [dBm]	
		Size	Offset	QPSK	16QAM
1.4	1710.7	1	0	24.22	23.03
		1	3	23.16	24.00
		1	5	24.08	22.24
		3	0	23.53	23.43
		3	2	22.54	22.48
		3	3	22.85	22.67
		6	0	23.00	23.13
	1745.0	1	0	23.71	22.70
		1	3	23.81	23.46
		1	5	23.22	23.07
		3	0	22.74	23.38
		3	2	22.85	23.35
		3	3	23.30	22.16
		6	0	22.50	23.19
	1779.3	1	0	22.74	22.57
		1	3	22.23	23.21
		1	5	22.30	23.19
		3	0	22.22	22.53
		3	2	23.24	22.91
		3	3	23.21	22.42
		6	0	23.30	22.48
3	1711.5	1	0	23.89	22.88
		1	7	22.45	22.67
		1	14	24.17	23.54
		8	0	22.31	22.53
		8	4	22.22	22.92
		8	7	22.01	22.80
		15	0	22.80	22.91
	1745.0	1	0	22.20	22.33
		1	7	22.97	22.20
		1	14	23.10	22.98
		8	0	23.08	22.36
		8	4	23.08	22.07
		8	7	22.48	22.89
		15	0	22.78	22.79
	1778.5	1	0	22.63	22.63
		1	7	22.35	22.85
		1	14	22.43	22.40
		8	0	22.50	22.93
		8	4	22.68	23.08
		8	7	22.97	23.10
		15	0	23.05	23.19
5	1712.5	1	0	22.96	22.22

		1	12	23.28	22.49	
		1	24	23.03	22.41	
		12	0	22.38	22.44	
		12	6	22.30	23.00	
		12	13	23.08	22.76	
		25	0	22.16	23.00	
	1745.0	1	0	24.59	24.59	
		1	12	23.02	23.66	
		1	24	22.45	22.86	
		12	0	22.63	22.69	
		12	6	22.74	22.78	
		12	13	22.42	22.44	
	1777.5	25	0	22.75	22.08	
		1	0	23.26	22.86	
		1	12	22.47	22.71	
		1	24	22.65	22.36	
		12	0	22.26	22.89	
		12	6	22.44	22.46	
	10	1715.0	12	13	22.53	22.38
			25	0	22.33	22.82
			1	0	24.47	22.91
1			24	23.07	23.10	
1			49	22.53	22.45	
25			0	22.30	22.70	
1745.0		25	12	22.60	22.20	
		25	25	23.01	22.59	
		50	0	23.57	23.36	
		1	0	22.53	23.78	
		1	24	23.93	23.50	
		1	49	22.85	22.78	
1775.0		25	0	22.25	22.39	
		25	12	22.75	22.62	
		25	25	22.24	22.60	
		50	0	22.96	22.80	
		1	0	23.46	22.65	
		1	24	22.41	23.31	
15		1717.5	1	49	22.58	23.00
			25	0	22.29	22.41
			25	12	22.57	23.18
	25		25	22.52	22.31	
	50		0	22.80	22.44	
		1	0	23.12	22.82	
		1	37	22.58	23.92	
		1	74	22.55	22.98	
		37	0	23.09	22.17	
		37	18	22.41	22.32	

		37	38	22.19	22.60
		75	0	23.61	23.22
	1745.0	1	0	23.17	23.68
		1	37	23.94	22.52
		1	74	22.92	22.72
		37	0	22.46	22.46
		37	18	23.08	22.46
		37	38	22.27	23.28
		75	0	22.36	22.40
		1772.5	1	0	22.18
	1		37	23.65	22.74
	1		74	22.88	22.44
	37		0	22.39	22.64
	37		18	22.74	22.22
	37		38	22.76	23.06
	75		0	22.11	22.20
	20	1720.0	1	0	23.43
1			49	22.71	23.94
1			99	22.19	23.04
50			0	22.47	22.24
50			25	23.56	22.90
50			50	22.94	22.01
100			0	22.53	23.20
1745.0		1	0	24.99	24.80
		1	49	24.01	22.20
		1	99	24.13	22.96
		50	0	24.58	23.48
		50	25	23.86	22.65
		50	50	24.36	24.36
		100	0	23.72	22.73
1770.0		1	0	24.98	24.65
		1	49	22.10	22.70
		1	99	22.20	23.08
		50	0	22.74	22.74
		50	25	22.83	22.49
		50	50	22.71	22.45
		100	0	22.74	22.89

LTE Band71

BW (MHz)	Frequency (MHz)	RB Configuration		Average Power [dBm]	
		Size	Offset	QPSK	16QAM
5	665.5	1	0	22.98	22.09
		1	12	23.33	22.53
		1	24	22.99	22.41
		12	0	22.28	22.50
		12	6	22.42	23.08
		12	13	23.02	22.59
		25	0	22.33	22.88
	680.5	1	0	24.60	24.62
		1	12	23.02	23.56
		1	24	22.51	22.83
		12	0	22.79	22.75
		12	6	22.76	22.92
		12	13	22.55	22.54
		25	0	22.74	22.19
	695.5	1	0	23.05	23.00
		1	12	22.54	22.74
		1	24	22.63	22.48
		12	0	22.18	22.94
		12	6	22.40	22.35
		12	13	22.46	22.53
		25	0	22.18	22.84
10	668.0	1	0	24.37	23.06
		1	24	22.88	23.32
		1	49	22.33	22.39
		25	0	22.19	22.68
		25	12	22.51	22.31
		25	25	23.14	22.57
		50	0	23.41	23.28
	680.5	1	0	22.59	23.79
		1	24	23.96	23.43
		1	49	22.81	22.70
		25	0	22.31	22.49
		25	12	22.80	22.59
		25	25	22.33	22.64
		50	0	23.04	22.78
	693.0	1	0	23.64	22.70
		1	24	22.33	23.32
		1	49	22.68	22.93
		25	0	22.28	22.28
		25	12	22.35	23.28
		25	25	22.71	22.16
		50	0	22.85	22.67
15	670.5	1	0	22.99	22.95

		1	37	22.52	23.89	
		1	74	22.71	22.00	
		37	0	23.22	22.33	
		37	18	22.49	22.24	
		37	38	22.30	22.65	
		75	0	23.57	23.13	
	680.5	1	0	23.00	23.48	
		1	37	24.10	22.61	
		1	74	22.91	22.75	
		37	0	22.31	22.40	
		37	18	23.12	22.64	
		37	38	22.42	23.28	
	690.5	75	0	22.26	22.44	
		1	0	22.24	22.08	
		1	37	23.67	22.70	
		1	74	23.05	22.35	
		37	0	22.22	22.74	
		37	18	22.68	22.35	
	20	673.0	37	38	22.88	23.05
			75	0	22.13	22.10
			1	0	23.61	22.59
1			49	22.77	23.91	
1			99	22.15	23.03	
50			0	22.33	22.09	
683.0	50	25	23.64	23.09		
	50	50	23.05	22.13		
	100	0	22.55	23.23		
	1	0	22.20	22.50		
	1	49	24.78	22.14		
	1	99	24.17	22.78		
688.0	50	0	24.68	23.49		
	50	25	24.00	22.67		
	50	50	24.34	24.33		
	100	0	23.77	22.71		
	1	0	24.87	24.68		
	1	49	22.17	22.69		
		1	99	22.19	23.10	
		50	0	22.60	22.82	
		50	25	22.73	22.36	
		50	50	22.51	22.24	
		100	0	22.95	22.76	

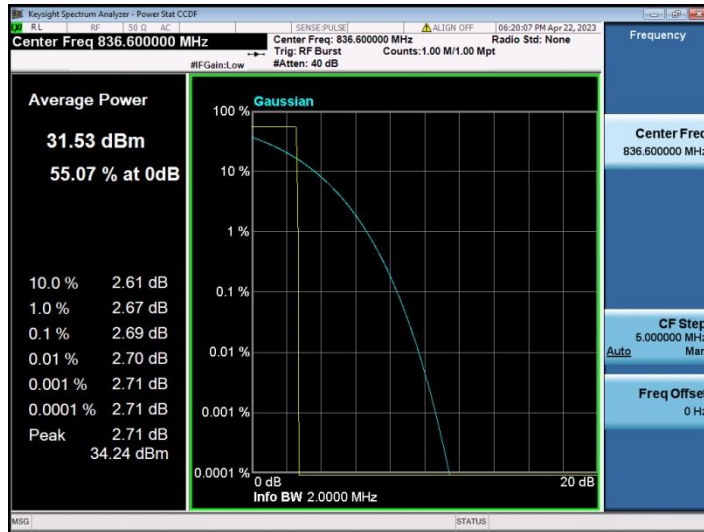
Appendix A.2: Peak-To-Average Ratio

Measurement Data

Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	190	2.69	13	PASS
GPRS850	190	2.70	13	PASS
EGPRS850	190	5.31	13	PASS
GSM1900	661	2.77	13	PASS
GPRS1900	661	2.78	13	PASS
EGPRS1900	661	2.79	13	PASS

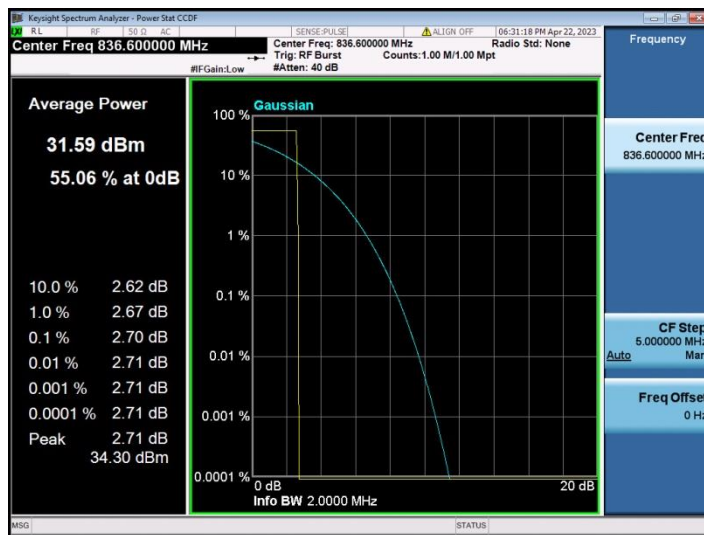
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@FCC_GSM_Peak_to_Average_Ratio_IMG@



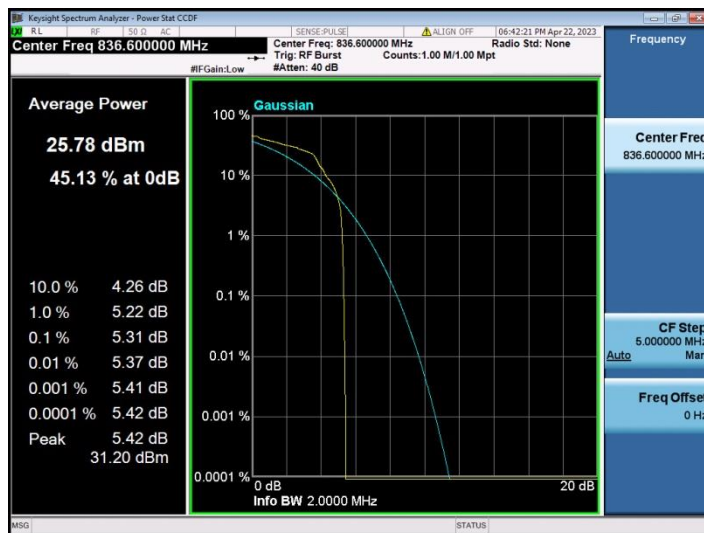
@FCC_GSM_Peak_to_Average_Ratio_IMG@GPRS850-190

@FCC_GSM_Peak_to_Average_Ratio_IMG@



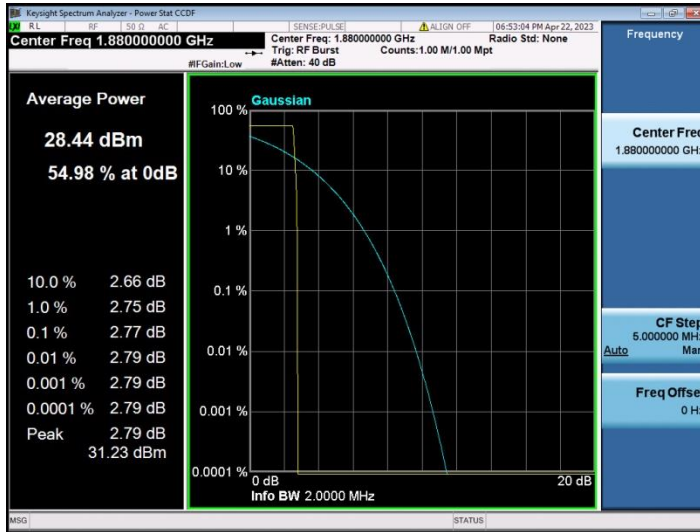
@FCC_GSM_Peak_to_Average_Ratio_IMG@EGPRS850-190

@FCC_GSM_Peak_to_Average_Ratio_IMG@



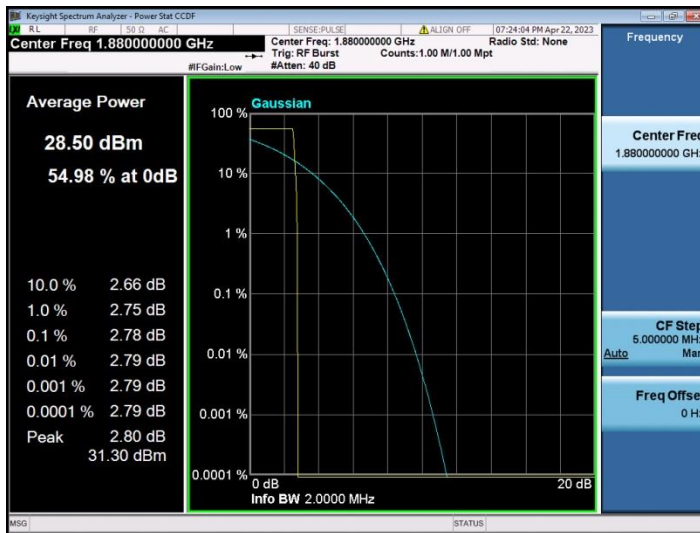
@FCC_GSM_Peak_to_Average_Ratio_IMG@GSM1900-661

@FCC_GSM_Peak_to_Average_Ratio_IMG@



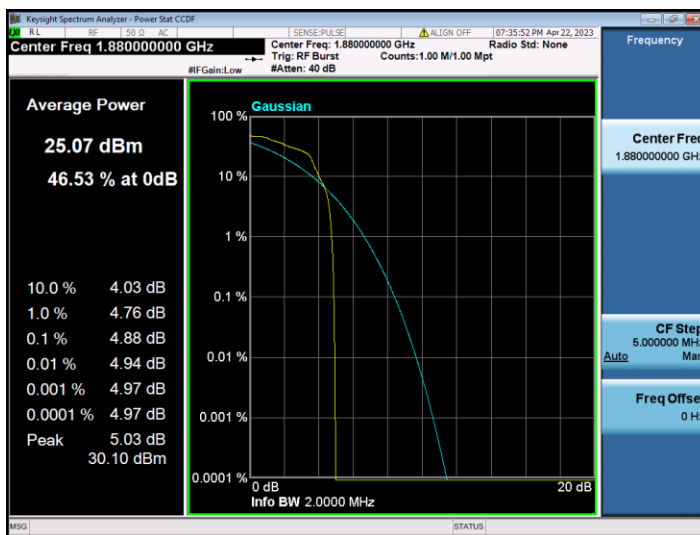
@FCC_GSM_Peak_to_Average_Ratio_IMG@GPRS1900-661

@FCC_GSM_Peak_to_Average_Ratio_IMG@

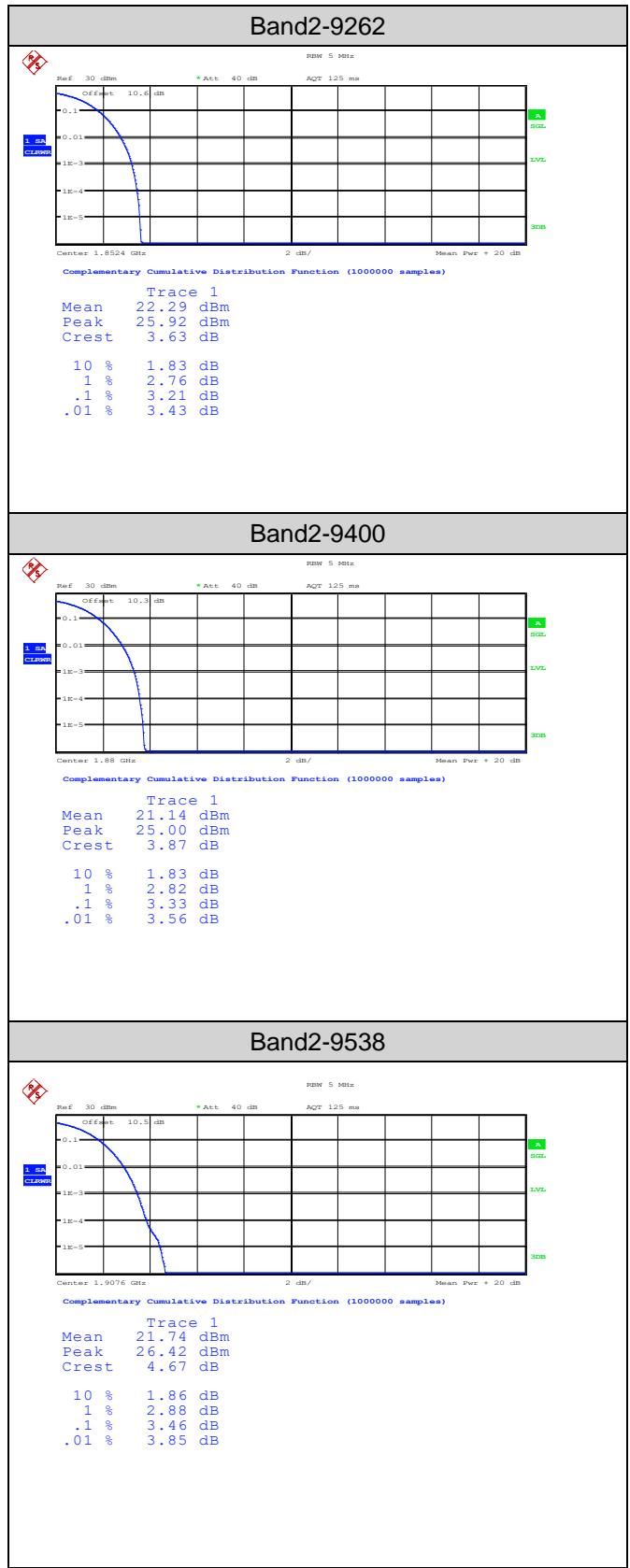


@FCC_GSM_Peak_to_Average_Ratio_IMG@EGPRS1900-661

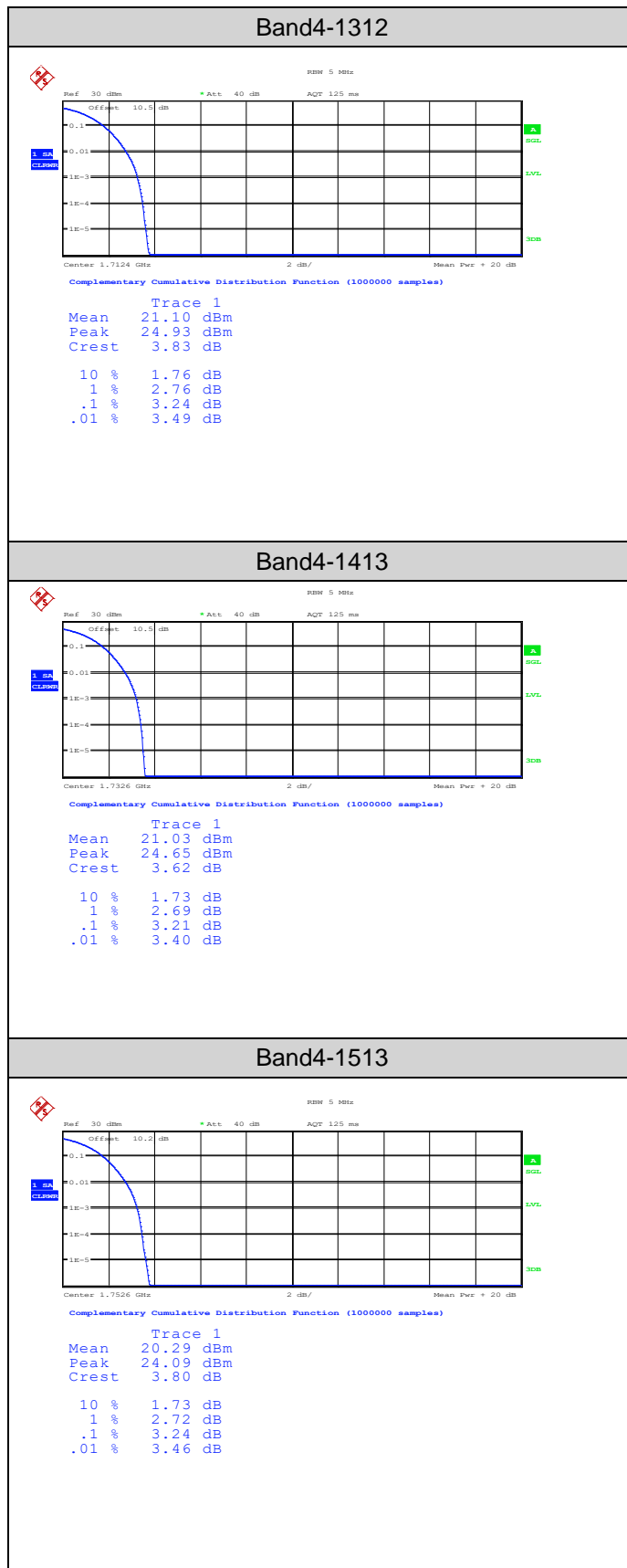
@FCC_GSM_Peak_to_Average_Ratio_IMG@



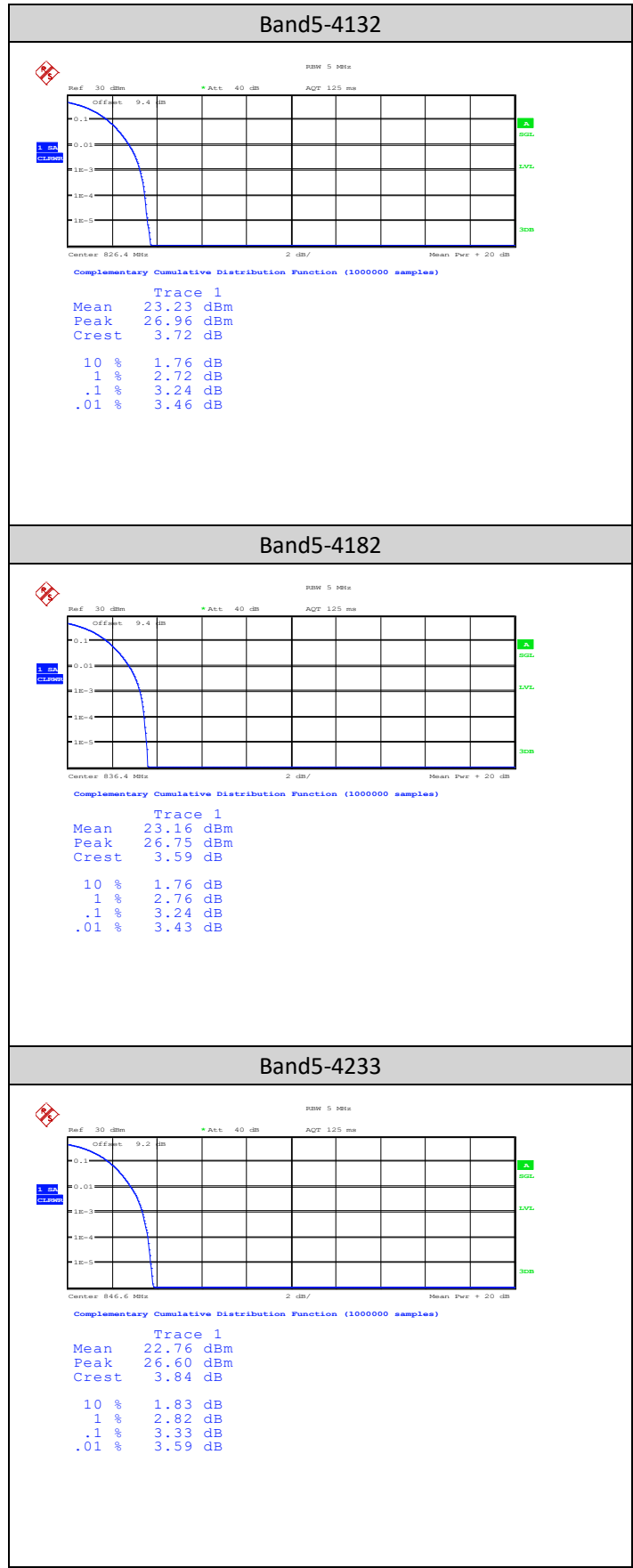
Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band2	9262	3.21	13	PASS
Band2	9400	3.33	13	PASS
Band2	9538	3.46	13	PASS



Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band4	1312	3.24	13	PASS
Band4	1413	3.21	13	PASS
Band4	1513	3.24	13	PASS

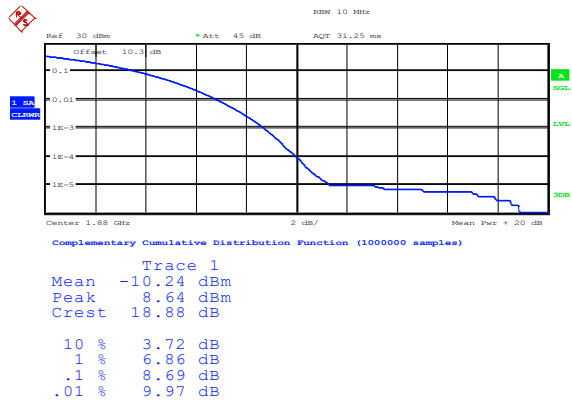


Band	Channel	Peak-to-Average Ratio(dB)	Limit(dB)	Verdict
Band5	4132	3.24	13	PASS
Band5	4182	3.24	13	PASS
Band5	4233	3.33	13	PASS

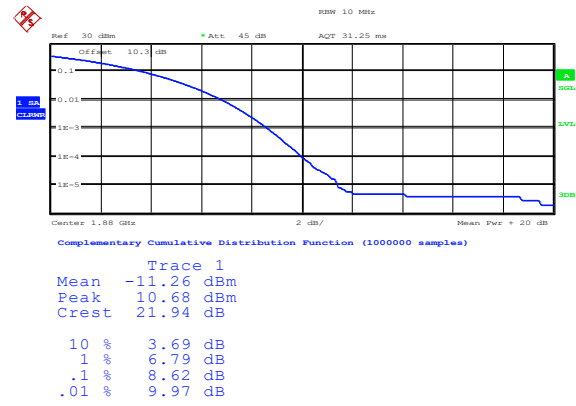


Test mode	Peak to Average Ratio (dB)	Limit (dB)	Result
LTE Band 2 Middle channel/20MHz/QPSK	8.69	13	Pass
LTE Band 2 Middle channel/20MHz/16-QAM	8.62	13	Pass
LTE Band 4 Middle channel/20MHz/QPSK	8.49	13	Pass
LTE Band 4 Middle channel/20MHz/16-QAM	8.53	13	Pass
LTE Band 5 Middle channel/10MHz/QPSK	5.38	13	Pass
LTE Band 5 Middle channel/10MHz/16-QAM	5.99	13	Pass
LTE Band 7 Middle channel/20MHz/QPSK	8.46	13	Pass
LTE Band 7 Middle channel/20MHz/16-QAM	8.53	13	Pass
LTE Band 12 Middle channel/10MHz/QPSK	5.32	13	Pass
LTE Band 12 Middle channel/10MHz/16-QAM	5.93	13	Pass
LTE Band 17 Middle channel/10MHz/QPSK	5.26	13	Pass
LTE Band 17 Middle channel/10MHz/16-QAM	5.90	13	Pass
LTE Band 25 Middle channel/20MHz/QPSK	8.37	13	Pass
LTE Band 25 Middle channel/20MHz/16-QAM	8.46	13	Pass
LTE Band 26 Middle channel/10MHz/QPSK	6.06	13	Pass
LTE Band 26 Middle channel/10MHz/16-QAM	6.99	13	Pass
LTE Band 38 Middle channel/20MHz/QPSK	9.67	13	Pass
LTE Band 38 Middle channel/20MHz/16-QAM	9.52	13	Pass
LTE Band 41 Middle channel/20MHz/QPSK	9.66	13	Pass
LTE Band 41 Middle channel/20MHz/16-QAM	9.40	13	Pass
LTE Band 66 Middle channel/20MHz/QPSK	8.53	13	Pass
LTE Band 66 Middle channel/20MHz/16-QAM	8.49	13	Pass
LTE Band 71 Middle channel/20MHz/QPSK	8.49	13	Pass
LTE Band 71 Middle channel/20MHz/16-QAM	8.56	13	Pass

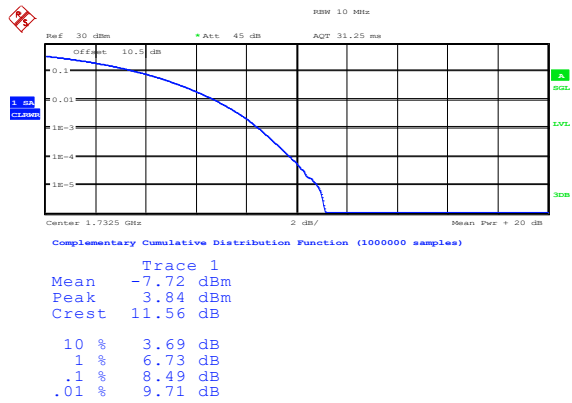
Test Mode: LTE Band 2
Middle channel/20MHz/QPSK



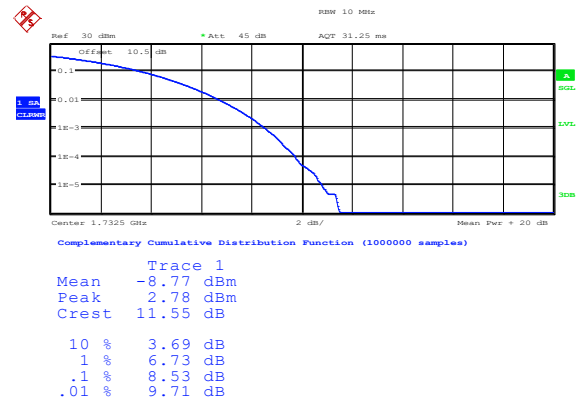
Test Mode: LTE Band 2
Middle channel/20MHz/16-QAM



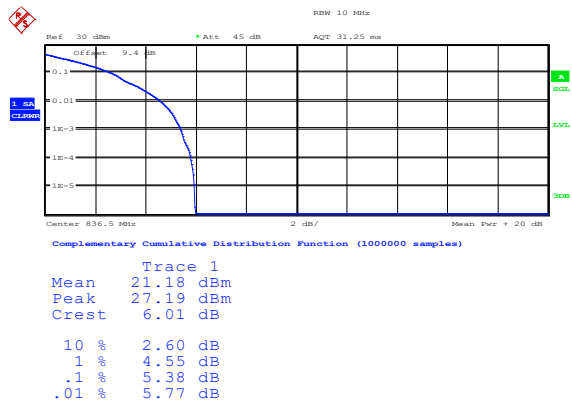
Test Mode: LTE Band 4
Middle channel/20MHz/QPSK



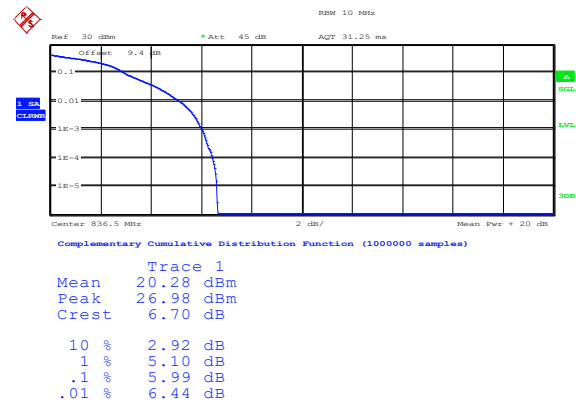
Test Mode: LTE Band 4
Middle channel/20MHz/16-QAM



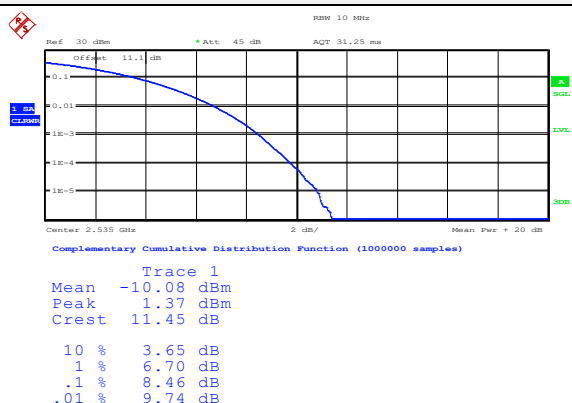
Test Mode: LTE Band 5
Middle channel/10MHz/QPSK



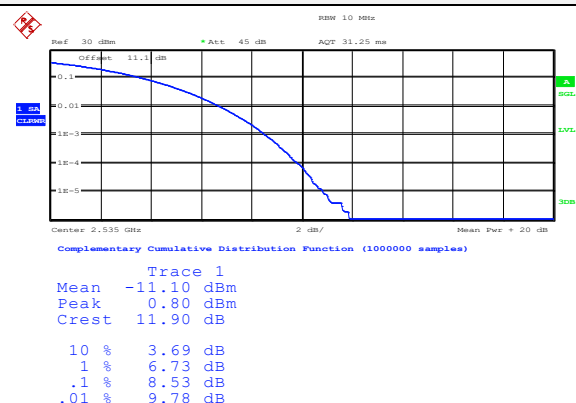
Test Mode: LTE Band 5
Middle channel/10MHz/16-QAM



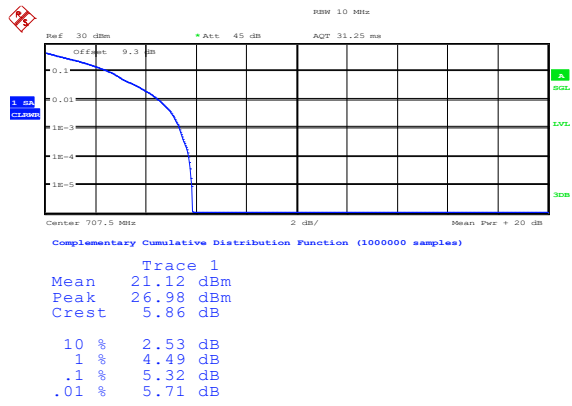
Test Mode: LTE Band 7
Middle channel/20MHz/QPSK



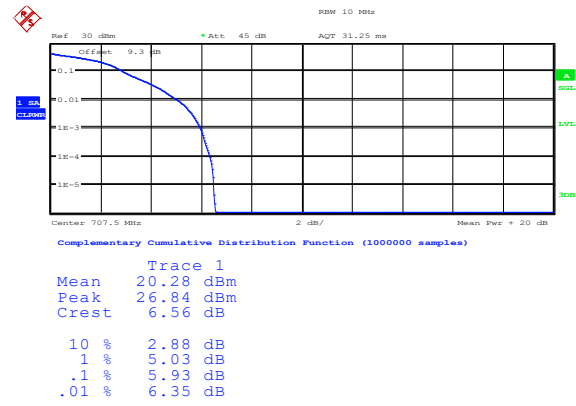
Test Mode: LTE Band 7
Middle channel/20MHz/16-QAM



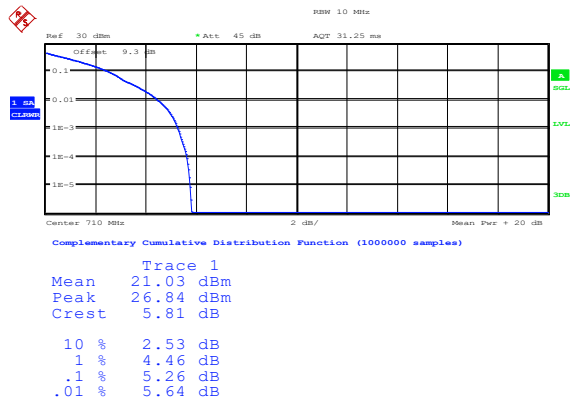
Test Mode: LTE Band 12
Middle channel/10MHz/QPSK



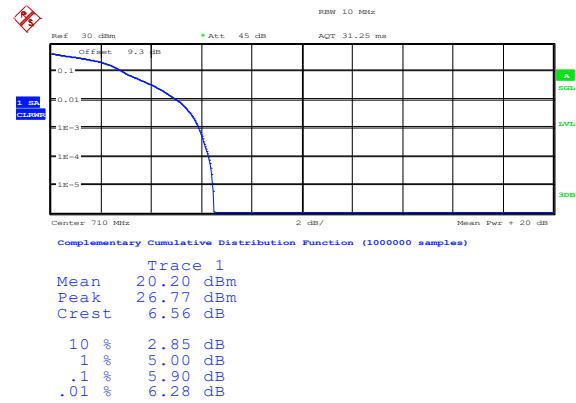
Test Mode: LTE Band 12
Middle channel/10MHz/16-QAM



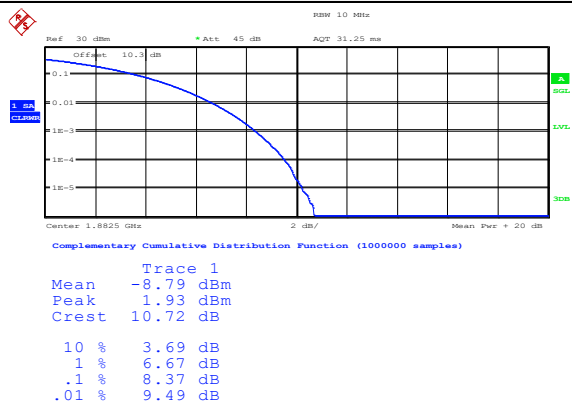
Test Mode: LTE Band 17
Middle channel/10MHz/QPSK



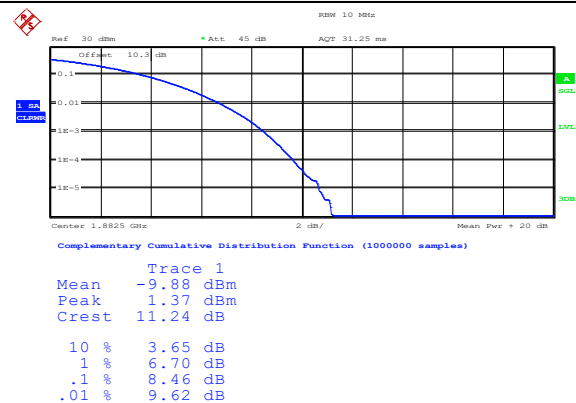
Test Mode: LTE Band 17
Middle channel/10MHz/16-QAM



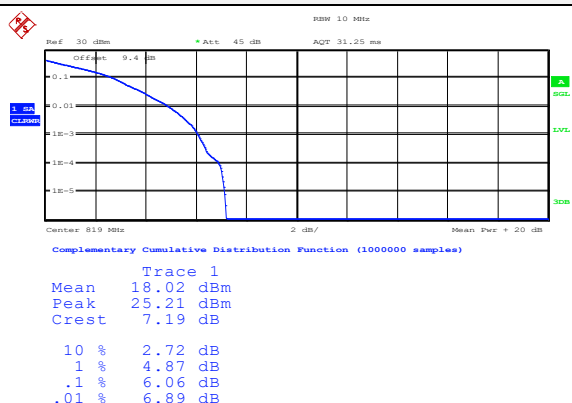
Test Mode: LTE Band 25
Middle channel/20MHz/QPSK



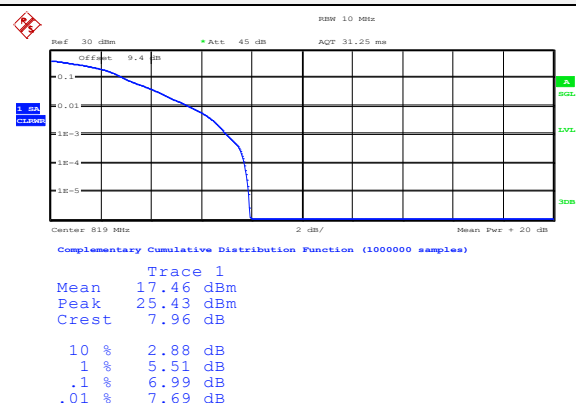
Test Mode: LTE Band 25
Middle channel/20MHz/16-QAM



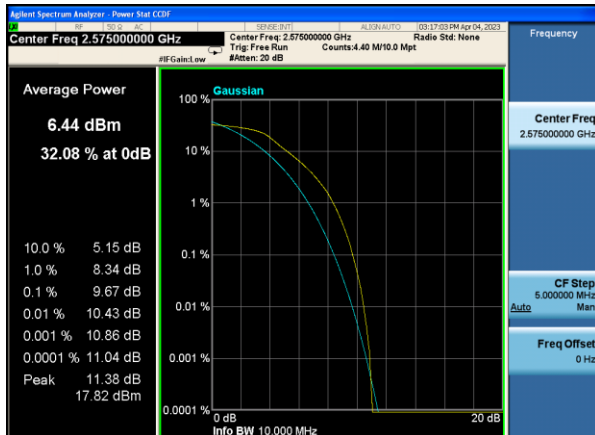
Test Mode: LTE Band 26
Middle channel/10MHz/QPSK



Test Mode: LTE Band 26
Middle channel/10MHz/16-QAM



Test Mode: LTE Band 38
Middle channel/20MHz/QPSK



Test Mode: LTE Band 38
Middle channel/20MHz/16-QAM



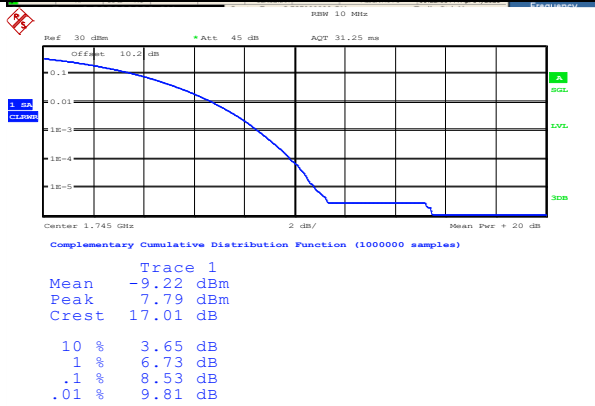
Test Mode: LTE Band 41
Middle channel/20MHz/QPSK



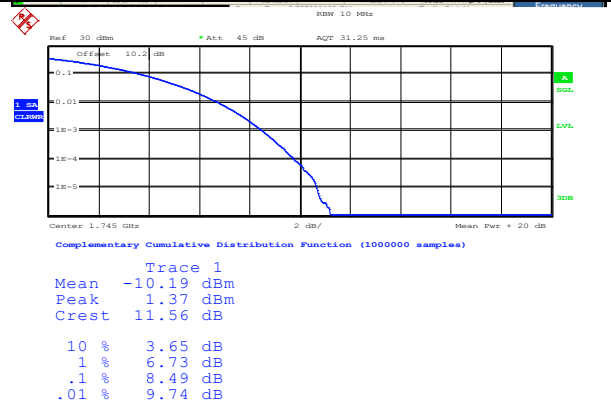
Test Mode: LTE Band 41
Middle channel/20MHz/16-QAM



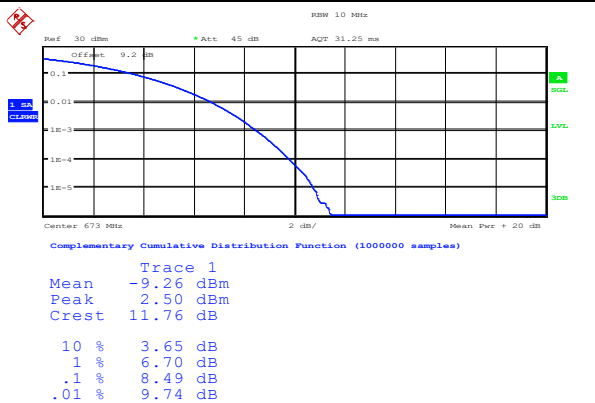
Test Mode: LTE Band 66
Middle channel/20MHz/QPSK



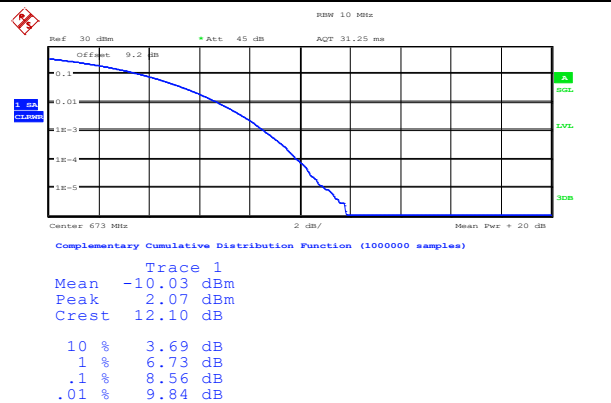
Test Mode: LTE Band 66
Middle channel/20MHz/16-QAM



Test Mode: LTE Band 71
Middle channel/20MHz/QPSK



Test Mode: LTE Band 71
Middle channel/20MHz/16-QAM



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

Appendix A.3: Occupy Bandwidth

Measurement Data

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
GSM850	128	0.24534	0.3129	---	PASS
GSM850	190	0.24662	0.3114	---	PASS
GSM850	251	0.24699	0.2966	---	PASS
GPRS850	128	0.24342	0.3081	---	PASS
GPRS850	190	0.24768	0.3191	---	PASS
GPRS850	251	0.24603	0.3127	---	PASS
EGPRS850	128	0.25148	0.3148	---	PASS
EGPRS850	190	0.25325	0.3138	---	PASS
EGPRS850	251	0.24818	0.3173	---	PASS
GSM1900	512	0.24646	0.3117	---	PASS
GSM1900	661	0.24350	0.3082	---	PASS
GSM1900	810	0.24945	0.3141	---	PASS
GPRS1900	512	0.24541	0.3100	---	PASS
GPRS1900	661	0.24446	0.3128	---	PASS
GPRS1900	810	0.24624	0.3154	---	PASS
EGPRS1900	512	0.25860	0.3137	---	PASS
EGPRS1900	661	0.26509	0.3369	---	PASS
EGPRS1900	810	0.26570	0.3409	---	PASS

GSM850-128-3-0.3129



GSM850-190-3-0.3114



GSM850-251-3-0.2966



GPRS850-128-3-0.3081



GPRS850-190-3-0.3191



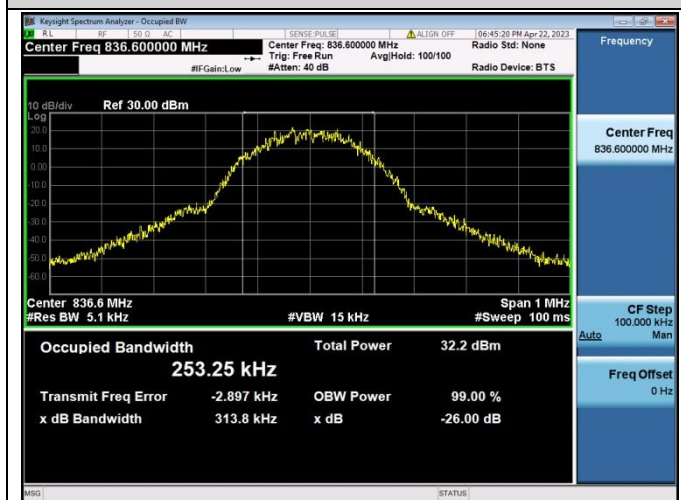
GPRS850-251-3-0.3127



EGPRS850-128-8-0.3148



EGPRS850-190-8-0.3138



EGPRS850-251-8-0.3173



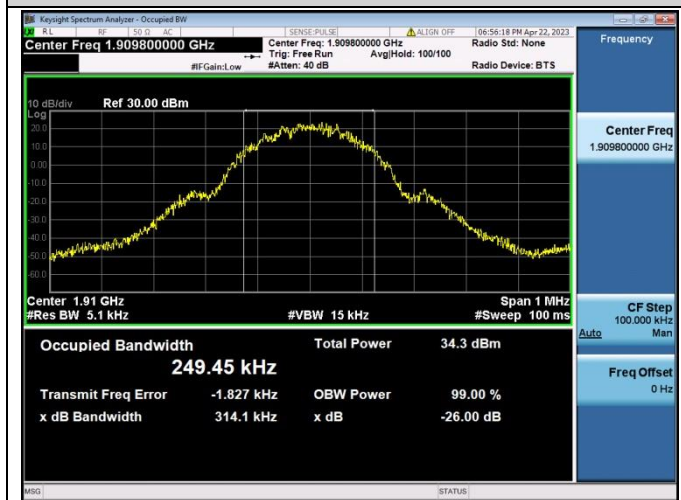
GSM1900-512-0-0.3117



GSM1900-661-0-0.3082



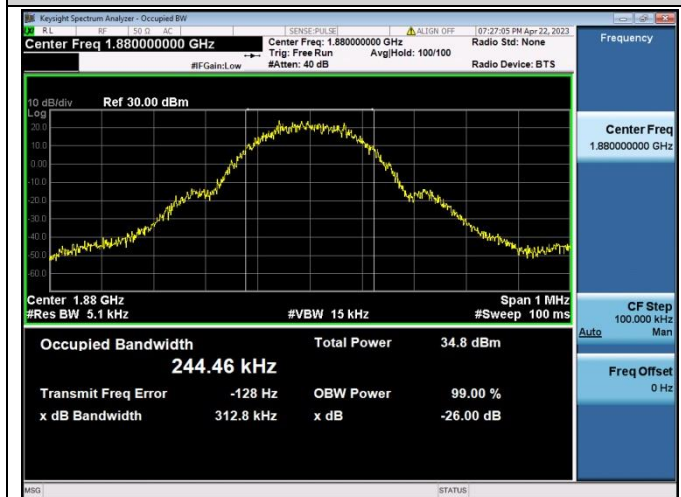
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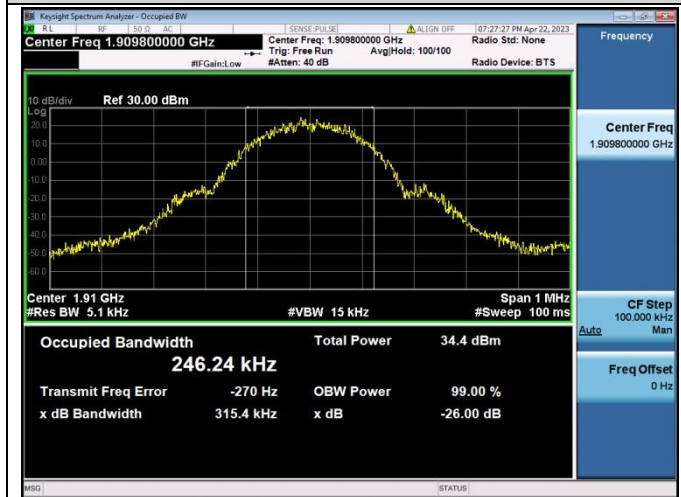
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GPRS1900-661-0-0.3128



GPRS1900-810-0-0.3154



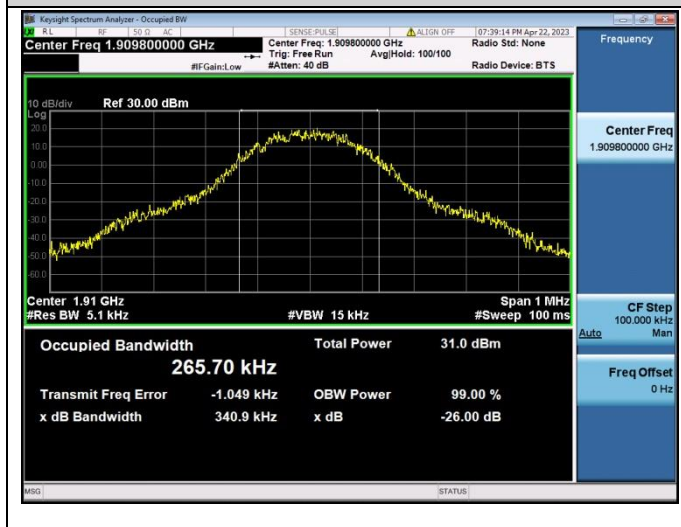
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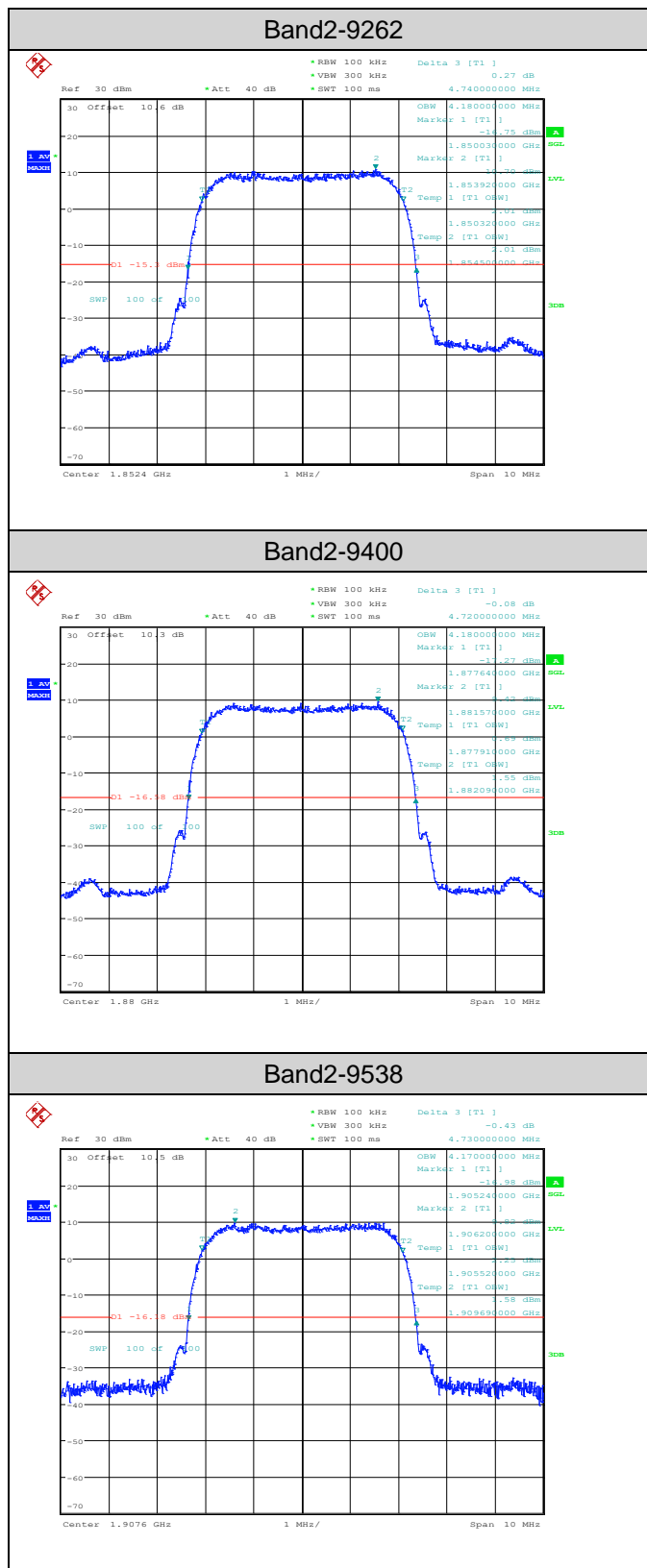
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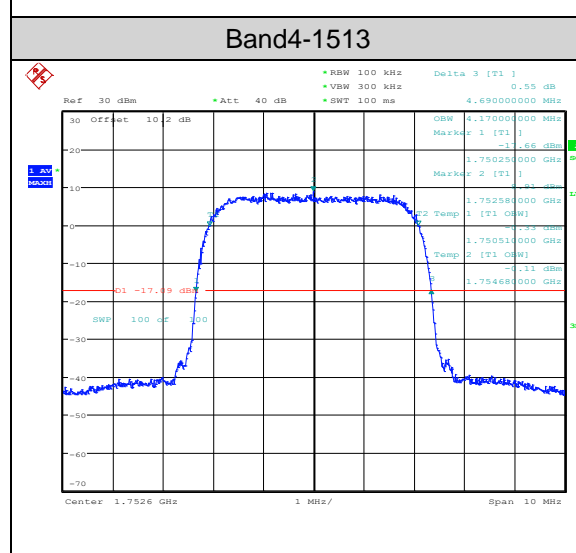
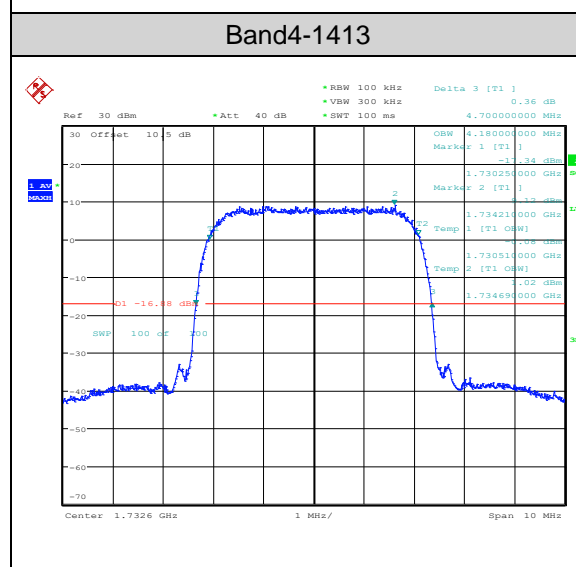
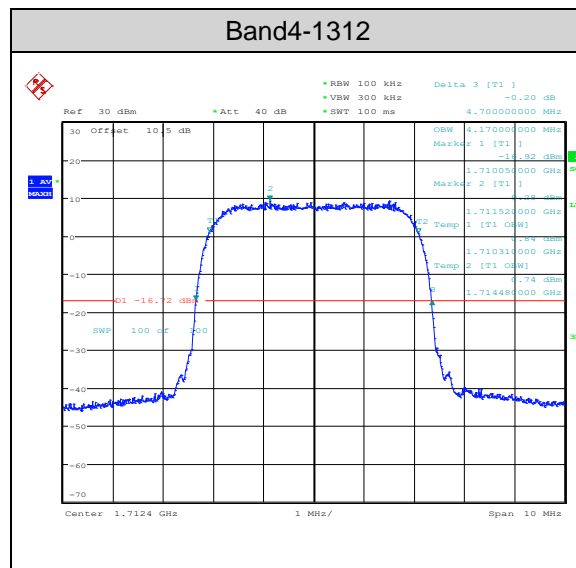
EGPRS1900-810-2-0.3409



Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band2	9262	4.18	4.74	---	PASS
Band2	9400	4.18	4.72	---	PASS
Band2	9538	4.17	4.73	---	PASS

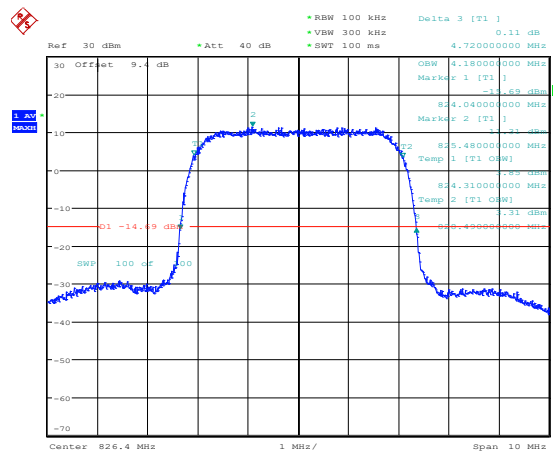


Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band4	1312	4.17	4.70	---	PASS
Band4	1413	4.18	4.70	---	PASS
Band4	1513	4.17	4.69	---	PASS

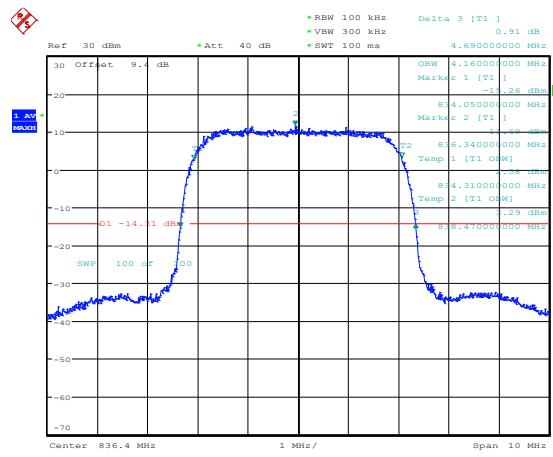


Band	Channel	Occupied Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit(kHz)	Verdict
Band5	4132	4.18	4.72	---	PASS
Band5	4182	4.16	4.69	---	PASS
Band5	4233	4.17	4.69	---	PASS

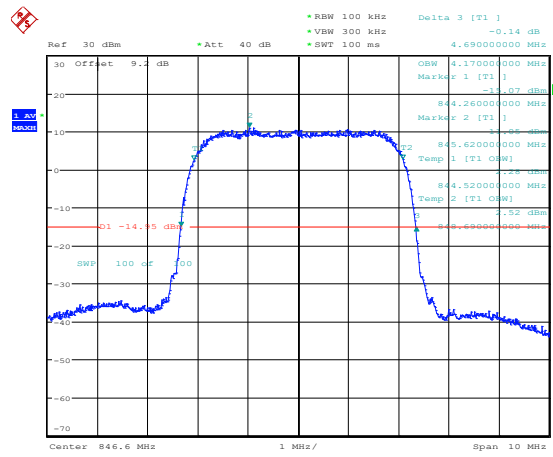
Band5-4132



Band5-4182



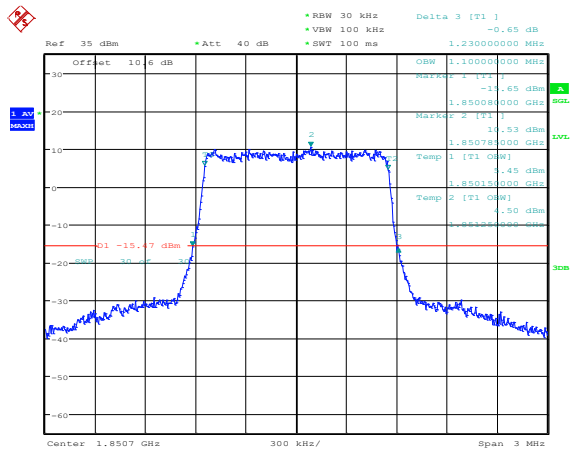
Band5-4233



Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.1	1.23	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.085	1.22	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.095	1.21	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.09	1.24	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.095	1.21	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.095	1.23	PASS

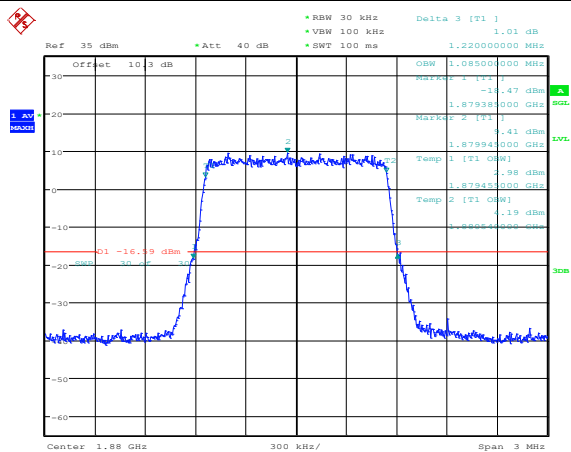
Band2	3MHz	QPSK	18615	15RB#0	2.596	2.81	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.7	2.85	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.69	2.85	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.68	2.85	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.69	2.87	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.69	2.86	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.471	4.70	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.51	4.78	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.5	4.79	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	4.51	4.78	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.494	9.62	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	8.967	9.67	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.462	14.23	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.5	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	14.45	PASS
Band2	20MHz	QPSK	18700	100RB#0	18.077	19.49	PASS
Band2	20MHz	QPSK	18900	100RB#0	18.067	19.60	PASS
Band2	20MHz	QPSK	19100	100RB#0	18.067	19.60	PASS
Band2	20MHz	16QAM	18700	100RB#0	18.133	19.73	PASS
Band2	20MHz	16QAM	18900	100RB#0	18.067	19.60	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.933	19.67	PASS

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



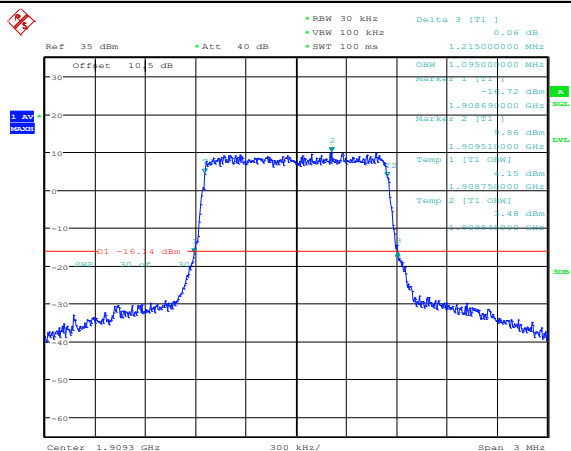
Date: 30.MAR.2023 12:03:17

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



Date: 30.MAR.2023 12:03:33

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



Date: 30.MAR.2023 12:03:49

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