<TDD LTE SAR Measurement>

TDD LTE configuration setup for SAR measurement

SAR was tested with a fixed periodic duty factor according to the highest transmission duty factor implemented for the device and supported by 3GPP.

a. 3GPP TS 36.211 section 4.2 for Type 2 Frame Structure and Table 4.2-2 for uplink-downlink configurations
b. "special subframe S" contains both uplink and downlink transmissions, it has been taken into consideration to determine the transmission duty factor according to the worst case uplink and downlink cyclic prefix requirements for UpPTS
c. Establishing connections with base station simulators ensure a consistent means for testing SAR and recommended for evaluating SAR. The Anritsu MT8820C (firmware: #22.52#004) was used for LTE output power measurements and SAR testing.

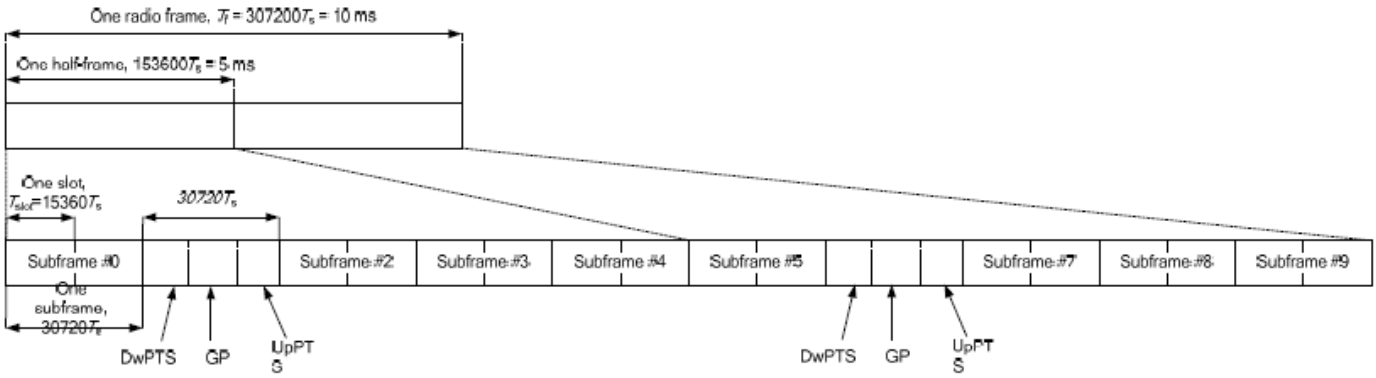

Figure 4.2-1: Frame structure type 2 (for 5 ms switch-point periodicity).

Table 4.2-2: Uplink-downlink configurations.

Uplink-downlink configuration	Downlink-to-Uplink Switch-point periodicity	Subframe number									
		0	1	2	3	4	5	6	7	8	9
0	5 ms	D	S	U	U	U	D	S	U	U	U
1	5 ms	D	S	U	U	D	D	S	U	U	D
2	5 ms	D	S	U	D	D	D	S	U	D	D
3	10 ms	D	S	U	U	U	D	D	D	D	D
4	10 ms	D	S	U	U	D	D	D	D	D	D
5	10 ms	D	S	U	D	D	D	D	D	D	D
6	5 ms	D	S	U	U	U	D	S	U	U	D

Table 4.2-1: Configuration of special subframe (lengths of DwPTS/GP/UpPTS).

Special subframe configuration	Normal cyclic prefix in downlink			Extended cyclic prefix in downlink		
	DwPTS	UpPTS		DwPTS	UpPTS	
		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink		Normal cyclic prefix in uplink	Extended cyclic prefix in uplink
0	$6592 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$	$7680 \cdot T_s$	$2192 \cdot T_s$	$2560 \cdot T_s$
1	$19760 \cdot T_s$			$20480 \cdot T_s$		
2	$21952 \cdot T_s$			$23040 \cdot T_s$		
3	$24144 \cdot T_s$			$25600 \cdot T_s$		
4	$26336 \cdot T_s$			$7680 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$
5	$6592 \cdot T_s$	$4384 \cdot T_s$	$5120 \cdot T_s$	$20480 \cdot T_s$		
6	$19760 \cdot T_s$			$23040 \cdot T_s$		
7	$21952 \cdot T_s$			$12800 \cdot T_s$		
8	$24144 \cdot T_s$			-	-	-
9	$13168 \cdot T_s$			-	-	-

Special subframe (30720·T_s): Normal cyclic prefix in downlink (UpPTS)			
	Special subframe configuration	**Normal cyclic prefix in uplink**	**Extended cyclic prefix in uplink**
Uplink duty factor in one special subframe	**0~4**	7.13%	8.33%
	5~9	14.3%	16.7%

Special subframe(30720·T_s): Extended cyclic prefix in downlink (UpPTS)			
	Special subframe configuration	**Normal cyclic prefix in uplink**	**Extended cyclic prefix in uplink**
Uplink duty factor in one special subframe	**0~3**	7.13%	8.33%
	4~7	14.3%	16.7%

The highest duty factor is resulted from:

For Power class 3

i. Uplink-downlink configuration: 0. In a half-frame consisted of 5 subfames, uplink operation is in 3 uplink subframes and 1 special subframe.

ii. special subframe configuration: 5-9 for normal cyclic prefix in downlink, 4-7 for extended cyclic prefix in downlink

iii. for special subframe with extended cyclic prefix in uplink, the total uplink duty factor in one half-frame is: (3+0.167)/5 = 63.3%

iv. for special subframe with normal cyclic prefix in uplink, the total uplink duty factor in one half-frame is: (3+0.143)/5 = 62.9%

v. For TDD LTE SAR measurement, the duty cycle 1:1.59 (62.9 %) was used perform testing and considering the theoretical duty cycle of 63.3% for extended cyclic prefix in the uplink, and the theoretical duty cycle of 62.9% for normal cyclic prefix in uplink, a scaling factor of extended cyclic prefix 63.3%/62.9% = 1.006 is applied to scale-up the measured SAR result. The scaled TDD LTE SAR = measured SAR (W/kg)* Tune-up Scaling Factor* scaling factor for extended cyclic prefix.

Default Power Mode

<LTE Band 38 Ant.0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	23.04	23.20	23.07	24	0
20	QPSK	1	49	23.05	23.12	22.95		
20	QPSK	1	99	23.01	23.03	22.98		
20	QPSK	50	0	22.03	22.15	22.06	23	1
20	QPSK	50	24	21.92	22.06	21.98		
20	QPSK	50	50	21.96	22.02	21.96		
20	QPSK	100	0	22.07	22.13	22.11		
20	16QAM	1	0	22.09	22.06	22.00	23	1
20	16QAM	1	49	22.00	22.11	22.05		
20	16QAM	1	99	22.01	21.98	22.03		
20	16QAM	50	0	21.21	21.18	21.13	22	2
20	16QAM	50	24	21.10	21.15	21.18		
20	16QAM	50	50	21.24	21.03	21.22		
20	16QAM	100	0	21.07	21.19	21.08		
20	64QAM	1	0	21.00	21.30	21.18	22	2
20	64QAM	1	49	21.13	21.16	21.06		
20	64QAM	1	99	21.12	21.03	21.15		
20	64QAM	50	0	20.17	20.19	20.15	21	3
20	64QAM	50	24	20.07	20.11	20.11		
20	64QAM	50	50	20.13	20.20	19.93		
20	64QAM	100	0	20.11	20.21	19.95		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	22.92	23.15	23.01	24	0
15	QPSK	1	37	22.89	22.95	22.89		
15	QPSK	1	74	22.88	22.91	22.86		
15	QPSK	36	0	21.93	22.06	21.94	23	1
15	QPSK	36	20	21.82	21.88	21.92		
15	QPSK	36	39	21.79	21.86	21.85		
15	QPSK	75	0	21.99	22.05	21.97		
15	16QAM	1	0	21.93	21.93	21.97	23	1
15	16QAM	1	37	21.93	21.99	21.98		
15	16QAM	1	74	21.93	21.81	21.97		
15	16QAM	36	0	21.13	21.13	21.09	22	2
15	16QAM	36	20	21.07	21.04	21.13		
15	16QAM	36	39	21.20	20.91	21.08		
15	16QAM	75	0	20.94	21.11	20.93		
15	64QAM	1	0	20.84	21.19	21.00	22	2
15	64QAM	1	37	21.00	21.06	20.97		
15	64QAM	1	74	21.00	20.99	21.03		
15	64QAM	36	0	20.01	20.15	20.08	21	3
15	64QAM	36	20	19.94	19.97	19.97		
15	64QAM	36	39	20.10	20.12	19.82		
15	64QAM	75	0	20.00	20.14	19.78		

Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	22.98	23.15	23.05	24	0
10	QPSK	1	25	22.96	22.94	22.84		
10	QPSK	1	49	22.98	22.89	22.92		
10	QPSK	25	0	21.86	21.99	21.99	23	1
10	QPSK	25	12	21.87	22.03	21.89		
10	QPSK	25	25	21.90	21.92	21.86		
10	QPSK	50	0	22.03	22.10	22.02		
10	16QAM	1	0	22.05	21.96	21.91	23	1
10	16QAM	1	25	21.84	21.97	21.91		
10	16QAM	1	49	21.83	21.81	21.90		
10	16QAM	25	0	21.14	21.03	21.04	22	2
10	16QAM	25	12	20.99	21.05	21.01		
10	16QAM	25	25	21.09	20.95	21.17		
10	16QAM	50	0	20.91	21.03	21.00		
10	64QAM	1	0	20.85	21.16	21.06	22	2
10	64QAM	1	25	21.10	21.14	20.98		
10	64QAM	1	49	20.99	20.92	20.99		
10	64QAM	25	0	20.00	20.08	20.00	21	3
10	64QAM	25	12	19.99	19.98	20.01		
10	64QAM	25	25	20.00	20.04	19.79		
10	64QAM	50	0	20.03	20.10	19.87		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	22.88	23.10	23.05	24	0
5	QPSK	1	12	23.02	22.98	22.90		
5	QPSK	1	24	22.88	22.97	22.91		
5	QPSK	12	0	21.87	22.04	21.98	23	1
5	QPSK	12	7	21.82	21.99	21.89		
5	QPSK	12	13	21.86	21.97	21.82		
5	QPSK	25	0	22.00	21.96	22.07		
5	16QAM	1	0	22.02	21.98	21.86	23	1
5	16QAM	1	12	21.95	21.98	21.94		
5	16QAM	1	24	21.94	21.96	21.95		
5	16QAM	12	0	21.04	21.14	21.09	22	2
5	16QAM	12	7	21.02	21.00	21.12		
5	16QAM	12	13	21.19	20.97	21.17		
5	16QAM	25	0	20.94	21.02	20.90		
5	64QAM	1	0	20.96	21.13	21.14	22	2
5	64QAM	1	12	21.11	20.98	20.88		
5	64QAM	1	24	21.05	20.92	21.12		
5	64QAM	12	0	20.06	20.09	20.11	21	3
5	64QAM	12	7	19.91	19.94	20.02		
5	64QAM	12	13	20.11	20.05	19.87		
5	64QAM	25	0	19.94	20.10	19.77		

<LTE Band 41 Ant.2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.69	23.66	23.99	23.92	23.84	25	0
20	QPSK	1	49	23.65	23.69	23.83	23.75	23.72		
20	QPSK	1	99	23.87	23.71	23.92	23.88	23.82		
20	QPSK	50	0	22.83	22.90	23.00	22.93	22.83	24	1
20	QPSK	50	24	22.89	22.89	22.98	22.82	22.84		
20	QPSK	50	50	22.87	22.83	22.96	22.88	22.85		
20	QPSK	100	0	22.96	22.94	23.02	22.85	22.87		
20	16QAM	1	0	22.93	22.88	23.03	22.97	22.92	24	1
20	16QAM	1	49	22.79	22.81	22.91	22.77	22.84		
20	16QAM	1	99	22.88	22.84	22.98	22.96	22.89		
20	16QAM	50	0	21.98	21.93	22.08	21.93	22.00	23	2
20	16QAM	50	24	21.95	22.01	22.10	21.92	22.02		
20	16QAM	50	50	21.87	21.91	22.00	21.92	21.87		
20	16QAM	100	0	21.98	22.01	22.11	22.02	22.06		
20	64QAM	1	0	21.88	21.83	21.95	21.91	21.82	23	2
20	64QAM	1	49	21.80	21.77	21.93	21.90	21.87		
20	64QAM	1	99	21.82	21.91	21.96	21.91	21.80		
20	64QAM	50	0	20.89	20.89	20.99	20.91	20.82	22	3
20	64QAM	50	24	20.94	20.86	21.00	20.86	20.93		
20	64QAM	50	50	20.90	20.80	20.94	20.89	20.80		
20	64QAM	100	0	20.97	20.89	21.06	21.03	20.90		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.52	23.58	23.84	23.89	23.73	25.00	0
15	QPSK	1	37	23.52	23.59	23.69	23.72	23.68		
15	QPSK	1	74	23.69	23.54	23.79	23.76	23.67		
15	QPSK	36	0	22.72	22.83	22.96	22.82	22.74	24	1
15	QPSK	36	20	22.73	22.81	22.81	22.74	22.82		
15	QPSK	36	39	22.84	22.74	22.81	22.77	22.78		
15	QPSK	75	0	22.87	22.84	22.87	22.77	22.83		
15	16QAM	1	0	22.91	22.78	22.88	22.90	22.82	24	1
15	16QAM	1	37	22.73	22.64	22.77	22.71	22.79		
15	16QAM	1	74	22.78	22.81	22.86	22.93	22.74		
15	16QAM	36	0	21.93	21.84	22.04	21.78	21.93	23	2
15	16QAM	36	20	21.91	21.93	21.98	21.83	21.87		
15	16QAM	36	39	21.82	21.83	21.98	21.85	21.77		
15	16QAM	75	0	21.87	21.87	22.03	21.93	21.97		
15	64QAM	1	0	21.71	21.71	21.85	21.79	21.79	23	2
15	64QAM	1	37	21.69	21.72	21.76	21.81	21.73		
15	64QAM	1	74	21.70	21.80	21.92	21.79	21.71		
15	64QAM	36	0	20.79	20.77	20.83	20.81	20.69	22	3
15	64QAM	36	20	20.84	20.71	20.89	20.84	20.83		
15	64QAM	36	39	20.81	20.69	20.91	20.74	20.69		
15	64QAM	75	0	20.92	20.79	20.99	20.90	20.75		

Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.53	23.58	23.87	23.82	23.67	25.00	0
10	QPSK	1	25	23.63	23.63	23.78	23.59	23.62		
10	QPSK	1	49	23.81	23.53	23.78	23.71	23.68		
10	QPSK	25	0	22.68	22.77	22.96	22.81	22.72	24	1
10	QPSK	25	12	22.83	22.78	22.85	22.65	22.76		
10	QPSK	25	25	22.84	22.80	22.87	22.86	22.72		
10	QPSK	50	0	22.91	22.89	22.84	22.72	22.71		
10	16QAM	1	0	22.88	22.75	22.97	22.80	22.75	24	1
10	16QAM	1	25	22.63	22.66	22.87	22.64	22.76		
10	16QAM	1	49	22.83	22.68	22.94	22.93	22.78		
10	16QAM	25	0	21.85	21.76	21.95	21.75	21.90	23	2
10	16QAM	25	12	21.90	21.87	21.93	21.77	21.90		
10	16QAM	25	25	21.78	21.80	21.90	21.79	21.72		
10	16QAM	50	0	21.82	21.86	21.97	21.93	22.00		
10	64QAM	1	0	21.82	21.76	21.85	21.75	21.77	23	2
10	64QAM	1	25	21.73	21.63	21.78	21.82	21.75		
10	64QAM	1	49	21.76	21.83	21.81	21.89	21.69		
10	64QAM	25	0	20.82	20.82	20.97	20.75	20.77	22	3
10	64QAM	25	12	20.78	20.70	20.90	20.77	20.90		
10	64QAM	25	25	20.82	20.77	20.82	20.77	20.70		
10	64QAM	50	0	20.86	20.86	20.97	20.95	20.80		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.64	23.59	23.83	23.83	23.71	25.00	0
5	QPSK	1	12	23.56	23.62	23.81	23.66	23.66		
5	QPSK	1	24	23.83	23.66	23.77	23.75	23.75		
5	QPSK	12	0	22.75	22.74	22.93	22.79	22.68	24	1
5	QPSK	12	7	22.79	22.75	22.80	22.67	22.78		
5	QPSK	12	13	22.77	22.77	22.84	22.70	22.81		
5	QPSK	25	0	22.85	22.91	22.88	22.76	22.82		
5	16QAM	1	0	22.88	22.84	22.87	22.80	22.86	24	1
5	16QAM	1	12	22.65	22.72	22.76	22.66	22.72		
5	16QAM	1	24	22.83	22.79	22.84	22.89	22.77		
5	16QAM	12	0	21.87	21.78	21.99	21.77	21.92	23	2
5	16QAM	12	7	21.90	21.93	21.95	21.80	22.00		
5	16QAM	12	13	21.69	21.86	21.93	21.75	21.77		
5	16QAM	25	0	21.85	21.98	22.02	21.94	22.04		
5	64QAM	1	0	21.75	21.74	21.89	21.83	21.72	23	2
5	64QAM	1	12	21.67	21.70	21.79	21.77	21.82		
5	64QAM	1	24	21.71	21.73	21.81	21.75	21.71		
5	64QAM	12	0	20.81	20.77	20.95	20.88	20.68	22	3
5	64QAM	12	7	20.86	20.80	20.89	20.76	20.80		
5	64QAM	12	13	20.83	20.65	20.77	20.76	20.78		
5	64QAM	25	0	20.94	20.76	21.01	20.93	20.77		

<LTE Band 42 Ant.3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	23.06	23.16	23.11	24	0
20	QPSK	1	49	22.99	23.08	22.97		
20	QPSK	1	99	22.90	23.04	22.91		
20	QPSK	50	0	22.12	22.21	22.13	23	1
20	QPSK	50	24	22.12	22.15	21.99		
20	QPSK	50	50	21.95	22.12	21.98		
20	QPSK	100	0	22.11	22.17	22.01		
20	16QAM	1	0	22.01	22.08	21.91	23	1
20	16QAM	1	49	21.98	22.05	21.90		
20	16QAM	1	99	21.92	22.07	22.03		
20	16QAM	50	0	21.16	21.27	21.23	22	2
20	16QAM	50	24	21.24	21.29	21.21		
20	16QAM	50	50	21.07	21.22	21.07		
20	16QAM	100	0	21.16	21.24	21.13		
20	64QAM	1	0	20.96	21.01	20.84	22	2
20	64QAM	1	49	20.89	21.05	20.91		
20	64QAM	1	99	20.79	20.93	20.88		
20	64QAM	50	0	20.08	20.21	20.17	21	3
20	64QAM	50	24	20.11	20.24	20.10		
20	64QAM	50	50	20.12	20.25	20.20		
20	64QAM	100	0	20.19	20.21	20.04		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	22.89	23.13	23.07	24	0
15	QPSK	1	37	22.93	22.96	22.89		
15	QPSK	1	74	22.86	23.01	22.89		
15	QPSK	36	0	22.00	22.06	22.06	23	1
15	QPSK	36	20	22.09	22.00	21.83		
15	QPSK	36	39	21.88	22.01	21.92		
15	QPSK	75	0	21.99	22.03	21.93		
15	16QAM	1	0	21.83	21.99	21.82	23	1
15	16QAM	1	37	21.93	21.90	21.85		
15	16QAM	1	74	21.75	22.04	22.01		
15	16QAM	36	0	21.07	21.14	21.12	22	2
15	16QAM	36	20	21.06	21.14	21.18		
15	16QAM	36	39	20.98	21.18	20.95		
15	16QAM	75	0	21.08	21.07	21.07		
15	64QAM	1	0	20.81	20.93	20.72	22	2
15	64QAM	1	37	20.83	20.87	20.85		
15	64QAM	1	74	20.64	20.88	20.77		
15	64QAM	36	0	20.03	20.05	20.13	21	3
15	64QAM	36	20	19.93	20.14	19.93		
15	64QAM	36	39	20.03	20.12	20.12		
15	64QAM	75	0	20.08	20.11	19.88		

Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	22.94	23.10	23.09	24	0
10	QPSK	1	25	22.83	22.92	22.81		
10	QPSK	1	49	22.82	22.88	22.81		
10	QPSK	25	0	22.10	22.07	21.98	23	1
10	QPSK	25	12	22.07	22.03	21.91		
10	QPSK	25	25	21.91	22.02	21.88		
10	QPSK	50	0	21.93	22.04	21.87		
10	16QAM	1	0	21.85	21.97	21.80	23	1
10	16QAM	1	25	21.84	21.87	21.82		
10	16QAM	1	49	21.86	21.94	21.88		
10	16QAM	25	0	21.00	21.20	21.12	22	2
10	16QAM	25	12	21.18	21.17	21.18		
10	16QAM	25	25	20.98	21.05	21.01		
10	16QAM	50	0	21.07	21.21	20.97		
10	64QAM	1	0	20.88	20.97	20.72	22	2
10	64QAM	1	25	20.72	20.87	20.83		
10	64QAM	1	49	20.69	20.86	20.81		
10	64QAM	25	0	20.04	20.17	20.01	21	3
10	64QAM	25	12	20.08	20.12	20.03		
10	64QAM	25	25	20.03	20.10	20.17		
10	64QAM	50	0	20.08	20.11	19.91		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	22.98	23.03	22.99	24	0
5	QPSK	1	12	22.91	22.97	22.81		
5	QPSK	1	24	22.87	22.99	22.83		
5	QPSK	12	0	22.05	22.15	21.97	23	1
5	QPSK	12	7	22.07	22.08	21.88		
5	QPSK	12	13	21.89	22.00	21.89		
5	QPSK	25	0	22.00	22.04	21.90		
5	16QAM	1	0	21.88	22.03	21.77	23	1
5	16QAM	1	12	21.91	22.02	21.73		
5	16QAM	1	24	21.77	21.94	21.97		
5	16QAM	12	0	21.03	21.17	21.10	22	2
5	16QAM	12	7	21.07	21.14	21.13		
5	16QAM	12	13	20.90	21.08	21.02		
5	16QAM	25	0	21.06	21.13	21.03		
5	64QAM	1	0	20.94	20.93	20.80	22	2
5	64QAM	1	12	20.79	21.00	20.87		
5	64QAM	1	24	20.66	20.91	20.71		
5	64QAM	12	0	19.94	20.15	20.09	21	3
5	64QAM	12	7	19.97	20.17	20.02		
5	64QAM	12	13	19.96	20.11	20.10		
5	64QAM	25	0	20.15	20.19	19.95		

Reduced Power Mode for DSI 0

<LTE Band 38 Ant.0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	23.04	23.20	23.07	24	0
20	QPSK	1	49	23.05	23.12	22.95		
20	QPSK	1	99	23.01	23.03	22.98		
20	QPSK	50	0	22.03	22.15	22.06	23	1
20	QPSK	50	24	21.92	22.06	21.98		
20	QPSK	50	50	21.96	22.02	21.96		
20	QPSK	100	0	22.07	22.13	22.11		
20	16QAM	1	0	22.09	22.06	22.00	23	1
20	16QAM	1	49	22.00	22.11	22.05		
20	16QAM	1	99	22.01	21.98	22.03		
20	16QAM	50	0	21.21	21.18	21.13	22	2
20	16QAM	50	24	21.10	21.15	21.18		
20	16QAM	50	50	21.24	21.03	21.22		
20	16QAM	100	0	21.07	21.19	21.08		
20	64QAM	1	0	21.00	21.30	21.18	22	2
20	64QAM	1	49	21.13	21.16	21.06		
20	64QAM	1	99	21.12	21.03	21.15		
20	64QAM	50	0	20.17	20.19	20.15	21	3
20	64QAM	50	24	20.07	20.11	20.11		
20	64QAM	50	50	20.13	20.20	19.93		
20	64QAM	100	0	20.11	20.21	19.95		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	22.92	23.15	23.01	24	0
15	QPSK	1	37	22.89	22.95	22.89		
15	QPSK	1	74	22.88	22.91	22.86		
15	QPSK	36	0	21.93	22.06	21.94	23	1
15	QPSK	36	20	21.82	21.88	21.92		
15	QPSK	36	39	21.79	21.86	21.85		
15	QPSK	75	0	21.99	22.05	21.97		
15	16QAM	1	0	21.93	21.93	21.97	23	1
15	16QAM	1	37	21.93	21.99	21.98		
15	16QAM	1	74	21.93	21.81	21.97		
15	16QAM	36	0	21.13	21.13	21.09	22	2
15	16QAM	36	20	21.07	21.04	21.13		
15	16QAM	36	39	21.20	20.91	21.08		
15	16QAM	75	0	20.94	21.11	20.93		
15	64QAM	1	0	20.84	21.19	21.00	22	2
15	64QAM	1	37	21.00	21.06	20.97		
15	64QAM	1	74	21.00	20.99	21.03		
15	64QAM	36	0	20.01	20.15	20.08	21	3
15	64QAM	36	20	19.94	19.97	19.97		
15	64QAM	36	39	20.10	20.12	19.82		
15	64QAM	75	0	20.00	20.14	19.78		

Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	22.98	23.15	23.05	24	0
10	QPSK	1	25	22.96	22.94	22.84		
10	QPSK	1	49	22.98	22.89	22.92		
10	QPSK	25	0	21.86	21.99	21.99	23	1
10	QPSK	25	12	21.87	22.03	21.89		
10	QPSK	25	25	21.90	21.92	21.86		
10	QPSK	50	0	22.03	22.10	22.02		
10	16QAM	1	0	22.05	21.96	21.91	23	1
10	16QAM	1	25	21.84	21.97	21.91		
10	16QAM	1	49	21.83	21.81	21.90		
10	16QAM	25	0	21.14	21.03	21.04	22	2
10	16QAM	25	12	20.99	21.05	21.01		
10	16QAM	25	25	21.09	20.95	21.17		
10	16QAM	50	0	20.91	21.03	21.00		
10	64QAM	1	0	20.85	21.16	21.06	22	2
10	64QAM	1	25	21.10	21.14	20.98		
10	64QAM	1	49	20.99	20.92	20.99		
10	64QAM	25	0	20.00	20.08	20.00	21	3
10	64QAM	25	12	19.99	19.98	20.01		
10	64QAM	25	25	20.00	20.04	19.79		
10	64QAM	50	0	20.03	20.10	19.87		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	22.88	23.10	23.05	24	0
5	QPSK	1	12	23.02	22.98	22.90		
5	QPSK	1	24	22.88	22.97	22.91		
5	QPSK	12	0	21.87	22.04	21.98	23	1
5	QPSK	12	7	21.82	21.99	21.89		
5	QPSK	12	13	21.86	21.97	21.82		
5	QPSK	25	0	22.00	21.96	22.07		
5	16QAM	1	0	22.02	21.98	21.86	23	1
5	16QAM	1	12	21.95	21.98	21.94		
5	16QAM	1	24	21.94	21.96	21.95		
5	16QAM	12	0	21.04	21.14	21.09	22	2
5	16QAM	12	7	21.02	21.00	21.12		
5	16QAM	12	13	21.19	20.97	21.17		
5	16QAM	25	0	20.94	21.02	20.90		
5	64QAM	1	0	20.96	21.13	21.14	22	2
5	64QAM	1	12	21.11	20.98	20.88		
5	64QAM	1	24	21.05	20.92	21.12		
5	64QAM	12	0	20.06	20.09	20.11	21	3
5	64QAM	12	7	19.91	19.94	20.02		
5	64QAM	12	13	20.11	20.05	19.87		
5	64QAM	25	0	19.94	20.10	19.77		

<LTE Band 41 Ant.2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.69	23.66	23.99	23.92	23.84	25	0
20	QPSK	1	49	23.65	23.69	23.83	23.75	23.72		
20	QPSK	1	99	23.87	23.71	23.92	23.88	23.82		
20	QPSK	50	0	22.83	22.90	23.00	22.93	22.83	24	1
20	QPSK	50	24	22.89	22.89	22.98	22.82	22.84		
20	QPSK	50	50	22.87	22.83	22.96	22.88	22.85		
20	QPSK	100	0	22.96	22.94	23.02	22.85	22.87		
20	16QAM	1	0	22.93	22.88	23.03	22.97	22.92	24	1
20	16QAM	1	49	22.79	22.81	22.91	22.77	22.84		
20	16QAM	1	99	22.88	22.84	22.98	22.96	22.89		
20	16QAM	50	0	21.98	21.93	22.08	21.93	22.00	23	2
20	16QAM	50	24	21.95	22.01	22.10	21.92	22.02		
20	16QAM	50	50	21.87	21.91	22.00	21.92	21.87		
20	16QAM	100	0	21.98	22.01	22.11	22.02	22.06		
20	64QAM	1	0	21.88	21.83	21.95	21.91	21.82	23	2
20	64QAM	1	49	21.80	21.77	21.93	21.90	21.87		
20	64QAM	1	99	21.82	21.91	21.96	21.91	21.80		
20	64QAM	50	0	20.89	20.89	20.99	20.91	20.82	22	3
20	64QAM	50	24	20.94	20.86	21.00	20.86	20.93		
20	64QAM	50	50	20.90	20.80	20.94	20.89	20.80		
20	64QAM	100	0	20.97	20.89	21.06	21.03	20.90		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.52	23.58	23.84	23.89	23.73	25.00	0
15	QPSK	1	37	23.52	23.59	23.69	23.72	23.68		
15	QPSK	1	74	23.69	23.54	23.79	23.76	23.67		
15	QPSK	36	0	22.72	22.83	22.96	22.82	22.74	24	1
15	QPSK	36	20	22.73	22.81	22.81	22.74	22.82		
15	QPSK	36	39	22.84	22.74	22.81	22.77	22.78		
15	QPSK	75	0	22.87	22.84	22.87	22.77	22.83		
15	16QAM	1	0	22.91	22.78	22.88	22.90	22.82	24	1
15	16QAM	1	37	22.73	22.64	22.77	22.71	22.79		
15	16QAM	1	74	22.78	22.81	22.86	22.93	22.74		
15	16QAM	36	0	21.93	21.84	22.04	21.78	21.93	23	2
15	16QAM	36	20	21.91	21.93	21.98	21.83	21.87		
15	16QAM	36	39	21.82	21.83	21.98	21.85	21.77		
15	16QAM	75	0	21.87	21.87	22.03	21.93	21.97		
15	64QAM	1	0	21.71	21.71	21.85	21.79	21.79	23	2
15	64QAM	1	37	21.69	21.72	21.76	21.81	21.73		
15	64QAM	1	74	21.70	21.80	21.92	21.79	21.71		
15	64QAM	36	0	20.79	20.77	20.83	20.81	20.69	22	3
15	64QAM	36	20	20.84	20.71	20.89	20.84	20.83		
15	64QAM	36	39	20.81	20.69	20.91	20.74	20.69		
15	64QAM	75	0	20.92	20.79	20.99	20.90	20.75		

Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.53	23.58	23.87	23.82	23.67	25.00	0
10	QPSK	1	25	23.63	23.63	23.78	23.59	23.62		
10	QPSK	1	49	23.81	23.53	23.78	23.71	23.68		
10	QPSK	25	0	22.68	22.77	22.96	22.81	22.72	24	1
10	QPSK	25	12	22.83	22.78	22.85	22.65	22.76		
10	QPSK	25	25	22.84	22.80	22.87	22.86	22.72		
10	QPSK	50	0	22.91	22.89	22.84	22.72	22.71		
10	16QAM	1	0	22.88	22.75	22.97	22.80	22.75	24	1
10	16QAM	1	25	22.63	22.66	22.87	22.64	22.76		
10	16QAM	1	49	22.83	22.68	22.94	22.93	22.78		
10	16QAM	25	0	21.85	21.76	21.95	21.75	21.90	23	2
10	16QAM	25	12	21.90	21.87	21.93	21.77	21.90		
10	16QAM	25	25	21.78	21.80	21.90	21.79	21.72		
10	16QAM	50	0	21.82	21.86	21.97	21.93	22.00		
10	64QAM	1	0	21.82	21.76	21.85	21.75	21.77	23	2
10	64QAM	1	25	21.73	21.63	21.78	21.82	21.75		
10	64QAM	1	49	21.76	21.83	21.81	21.89	21.69		
10	64QAM	25	0	20.82	20.82	20.97	20.75	20.77	22	3
10	64QAM	25	12	20.78	20.70	20.90	20.77	20.90		
10	64QAM	25	25	20.82	20.77	20.82	20.77	20.70		
10	64QAM	50	0	20.86	20.86	20.97	20.95	20.80		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.64	23.59	23.83	23.83	23.71	25.00	0
5	QPSK	1	12	23.56	23.62	23.81	23.66	23.66		
5	QPSK	1	24	23.83	23.66	23.77	23.75	23.75		
5	QPSK	12	0	22.75	22.74	22.93	22.79	22.68	24	1
5	QPSK	12	7	22.79	22.75	22.80	22.67	22.78		
5	QPSK	12	13	22.77	22.77	22.84	22.70	22.81		
5	QPSK	25	0	22.85	22.91	22.88	22.76	22.82		
5	16QAM	1	0	22.88	22.84	22.87	22.80	22.86	24	1
5	16QAM	1	12	22.65	22.72	22.76	22.66	22.72		
5	16QAM	1	24	22.83	22.79	22.84	22.89	22.77		
5	16QAM	12	0	21.87	21.78	21.99	21.77	21.92	23	2
5	16QAM	12	7	21.90	21.93	21.95	21.80	22.00		
5	16QAM	12	13	21.69	21.86	21.93	21.75	21.77		
5	16QAM	25	0	21.85	21.98	22.02	21.94	22.04		
5	64QAM	1	0	21.75	21.74	21.89	21.83	21.72	23	2
5	64QAM	1	12	21.67	21.70	21.79	21.77	21.82		
5	64QAM	1	24	21.71	21.73	21.81	21.75	21.71		
5	64QAM	12	0	20.81	20.77	20.95	20.88	20.68	22	3
5	64QAM	12	7	20.86	20.80	20.89	20.76	20.80		
5	64QAM	12	13	20.83	20.65	20.77	20.76	20.78		
5	64QAM	25	0	20.94	20.76	21.01	20.93	20.77		

<LTE Band 42 Ant.3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	23.06	23.16	23.11	24	0
20	QPSK	1	49	22.99	23.08	22.97		
20	QPSK	1	99	22.90	23.04	22.91		
20	QPSK	50	0	22.12	22.21	22.13	23	1
20	QPSK	50	24	22.12	22.15	21.99		
20	QPSK	50	50	21.95	22.12	21.98		
20	QPSK	100	0	22.11	22.17	22.01		
20	16QAM	1	0	22.01	22.08	21.91	23	1
20	16QAM	1	49	21.98	22.05	21.90		
20	16QAM	1	99	21.92	22.07	22.03		
20	16QAM	50	0	21.16	21.27	21.23	22	2
20	16QAM	50	24	21.24	21.29	21.21		
20	16QAM	50	50	21.07	21.22	21.07		
20	16QAM	100	0	21.16	21.24	21.13		
20	64QAM	1	0	20.96	21.01	20.84	22	2
20	64QAM	1	49	20.89	21.05	20.91		
20	64QAM	1	99	20.79	20.93	20.88		
20	64QAM	50	0	20.08	20.21	20.17	21	3
20	64QAM	50	24	20.11	20.24	20.10		
20	64QAM	50	50	20.12	20.25	20.20		
20	64QAM	100	0	20.19	20.21	20.04		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	22.89	23.13	23.07	24	0
15	QPSK	1	37	22.93	22.96	22.89		
15	QPSK	1	74	22.86	23.01	22.89		
15	QPSK	36	0	22.00	22.06	22.06	23	1
15	QPSK	36	20	22.09	22.00	21.83		
15	QPSK	36	39	21.88	22.01	21.92		
15	QPSK	75	0	21.99	22.03	21.93		
15	16QAM	1	0	21.83	21.99	21.82	23	1
15	16QAM	1	37	21.93	21.90	21.85		
15	16QAM	1	74	21.75	22.04	22.01		
15	16QAM	36	0	21.07	21.14	21.12	22	2
15	16QAM	36	20	21.06	21.14	21.18		
15	16QAM	36	39	20.98	21.18	20.95		
15	16QAM	75	0	21.08	21.07	21.07		
15	64QAM	1	0	20.81	20.93	20.72	22	2
15	64QAM	1	37	20.83	20.87	20.85		
15	64QAM	1	74	20.64	20.88	20.77		
15	64QAM	36	0	20.03	20.05	20.13	21	3
15	64QAM	36	20	19.93	20.14	19.93		
15	64QAM	36	39	20.03	20.12	20.12		
15	64QAM	75	0	20.08	20.11	19.88		

Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	22.94	23.10	23.09	24	0
10	QPSK	1	25	22.83	22.92	22.81		
10	QPSK	1	49	22.82	22.88	22.81		
10	QPSK	25	0	22.10	22.07	21.98	23	1
10	QPSK	25	12	22.07	22.03	21.91		
10	QPSK	25	25	21.91	22.02	21.88		
10	QPSK	50	0	21.93	22.04	21.87		
10	16QAM	1	0	21.85	21.97	21.80	23	1
10	16QAM	1	25	21.84	21.87	21.82		
10	16QAM	1	49	21.86	21.94	21.88		
10	16QAM	25	0	21.00	21.20	21.12	22	2
10	16QAM	25	12	21.18	21.17	21.18		
10	16QAM	25	25	20.98	21.05	21.01		
10	16QAM	50	0	21.07	21.21	20.97		
10	64QAM	1	0	20.88	20.97	20.72	22	2
10	64QAM	1	25	20.72	20.87	20.83		
10	64QAM	1	49	20.69	20.86	20.81		
10	64QAM	25	0	20.04	20.17	20.01	21	3
10	64QAM	25	12	20.08	20.12	20.03		
10	64QAM	25	25	20.03	20.10	20.17		
10	64QAM	50	0	20.08	20.11	19.91		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	22.98	23.03	22.99	24	0
5	QPSK	1	12	22.91	22.97	22.81		
5	QPSK	1	24	22.87	22.99	22.83		
5	QPSK	12	0	22.05	22.15	21.97	23	1
5	QPSK	12	7	22.07	22.08	21.88		
5	QPSK	12	13	21.89	22.00	21.89		
5	QPSK	25	0	22.00	22.04	21.90		
5	16QAM	1	0	21.88	22.03	21.77	23	1
5	16QAM	1	12	21.91	22.02	21.73		
5	16QAM	1	24	21.77	21.94	21.97		
5	16QAM	12	0	21.03	21.17	21.10	22	2
5	16QAM	12	7	21.07	21.14	21.13		
5	16QAM	12	13	20.90	21.08	21.02		
5	16QAM	25	0	21.06	21.13	21.03		
5	64QAM	1	0	20.94	20.93	20.80	22	2
5	64QAM	1	12	20.79	21.00	20.87		
5	64QAM	1	24	20.66	20.91	20.71		
5	64QAM	12	0	19.94	20.15	20.09	21	3
5	64QAM	12	7	19.97	20.17	20.02		
5	64QAM	12	13	19.96	20.11	20.10		
5	64QAM	25	0	20.15	20.19	19.95		

Reduced Power Mode for DSI 1

<LTE Band 38 Ant.0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	14.82	14.91	14.83	15.7	0
20	QPSK	1	49	14.62	14.73	14.55		
20	QPSK	1	99	14.59	14.84	14.77		
20	QPSK	50	0	14.68	14.85	14.63	15.7	0
20	QPSK	50	24	14.51	14.62	14.49		
20	QPSK	50	50	14.66	14.74	14.68		
20	QPSK	100	0	14.61	14.82	14.70		
20	16QAM	1	0	14.48	14.59	14.59	15.7	0
20	16QAM	1	49	14.59	14.65	14.56		
20	16QAM	1	99	14.52	14.77	14.59		
20	16QAM	50	0	14.58	14.71	14.60	15.7	0
20	16QAM	50	24	14.60	14.80	14.64		
20	16QAM	50	50	14.62	14.69	14.52		
20	16QAM	100	0	14.74	14.80	14.59		
20	64QAM	1	0	14.53	14.73	14.65	15.7	0
20	64QAM	1	49	14.64	14.69	14.63		
20	64QAM	1	99	14.57	14.62	14.62		
20	64QAM	50	0	14.52	14.71	14.62	15.7	0
20	64QAM	50	24	14.54	14.66	14.60		
20	64QAM	50	50	14.48	14.63	14.45		
20	64QAM	100	0	14.40	14.49	14.51		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	14.70	14.84	14.67	15.7	0
15	QPSK	1	37	14.44	14.60	14.41		
15	QPSK	1	74	14.52	14.69	14.61		
15	QPSK	36	0	14.57	14.76	14.54	15.7	0
15	QPSK	36	20	14.40	14.47	14.43		
15	QPSK	36	39	14.63	14.63	14.57		
15	QPSK	75	0	14.57	14.68	14.58		
15	16QAM	1	0	14.35	14.48	14.45	15.7	0
15	16QAM	1	37	14.52	14.55	14.43		
15	16QAM	1	74	14.42	14.66	14.55		
15	16QAM	36	0	14.46	14.68	14.44	15.7	0
15	16QAM	36	20	14.52	14.74	14.50		
15	16QAM	36	39	14.48	14.53	14.39		
15	16QAM	75	0	14.69	14.78	14.55		
15	64QAM	1	0	14.46	14.56	14.60	15.7	0
15	64QAM	1	37	14.62	14.58	14.57		
15	64QAM	1	74	14.51	14.58	14.53		
15	64QAM	36	0	14.35	14.63	14.47	15.7	0
15	64QAM	36	20	14.43	14.61	14.54		
15	64QAM	36	39	14.45	14.47	14.33		
15	64QAM	75	0	14.33	14.43	14.39		

Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	14.77	14.78	14.70	15.7	0
10	QPSK	1	25	14.49	14.61	14.45		
10	QPSK	1	49	14.57	14.78	14.73		
10	QPSK	25	0	14.58	14.80	14.57	15.7	0
10	QPSK	25	12	14.37	14.52	14.39		
10	QPSK	25	25	14.58	14.59	14.64		
10	QPSK	50	0	14.49	14.71	14.59		
10	16QAM	1	0	14.30	14.52	14.52	15.7	0
10	16QAM	1	25	14.54	14.50	14.45		
10	16QAM	1	49	14.38	14.69	14.54		
10	16QAM	25	0	14.52	14.66	14.53	15.7	0
10	16QAM	25	12	14.43	14.76	14.52		
10	16QAM	25	25	14.58	14.52	14.40		
10	16QAM	50	0	14.67	14.67	14.53		
10	64QAM	1	0	14.48	14.58	14.53	15.7	0
10	64QAM	1	25	14.51	14.65	14.48		
10	64QAM	1	49	14.49	14.55	14.46		
10	64QAM	25	0	14.47	14.53	14.51	15.7	0
10	64QAM	25	12	14.49	14.59	14.58		
10	64QAM	25	25	14.33	14.51	14.36		
10	64QAM	50	0	14.26	14.45	14.37		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	14.68	14.74	14.79	15.7	0
5	QPSK	1	12	14.56	14.56	14.49		
5	QPSK	1	24	14.49	14.74	14.61		
5	QPSK	12	0	14.63	14.79	14.52	15.7	0
5	QPSK	12	7	14.47	14.48	14.36		
5	QPSK	12	13	14.52	14.63	14.57		
5	QPSK	25	0	14.48	14.64	14.53		
5	16QAM	1	0	14.40	14.43	14.50	15.7	0
5	16QAM	1	12	14.42	14.51	14.45		
5	16QAM	1	24	14.40	14.70	14.41		
5	16QAM	12	0	14.44	14.66	14.58	15.7	0
5	16QAM	12	7	14.46	14.74	14.51		
5	16QAM	12	13	14.57	14.65	14.45		
5	16QAM	25	0	14.69	14.71	14.52		
5	64QAM	1	0	14.39	14.65	14.57	15.7	0
5	64QAM	1	12	14.57	14.65	14.56		
5	64QAM	1	24	14.45	14.45	14.55		
5	64QAM	12	0	14.36	14.64	14.56	15.7	0
5	64QAM	12	7	14.50	14.52	14.50		
5	64QAM	12	13	14.43	14.58	14.30		
5	64QAM	25	0	14.28	14.42	14.44		

<LTE Band 41 Ant.2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	17.65	17.59	17.67	17.65	17.61	18.2	0
20	QPSK	1	49	17.44	17.42	17.47	17.40	17.31		
20	QPSK	1	99	17.42	17.42	17.64	17.61	17.65		
20	QPSK	50	0	17.53	17.56	17.61	17.35	17.45	18.2	0
20	QPSK	50	24	17.26	17.29	17.45	17.26	17.26		
20	QPSK	50	50	17.54	17.49	17.56	17.54	17.51		
20	QPSK	100	0	17.48	17.48	17.59	17.48	17.44		
20	16QAM	1	0	17.34	17.25	17.36	17.40	17.37	18.2	0
20	16QAM	1	49	17.36	17.36	17.45	17.41	17.32		
20	16QAM	1	99	17.32	17.40	17.59	17.45	17.34		
20	16QAM	50	0	17.38	17.32	17.58	17.35	17.46	18.2	0
20	16QAM	50	24	17.43	17.39	17.47	17.45	17.38		
20	16QAM	50	50	17.42	17.41	17.52	17.35	17.26		
20	16QAM	100	0	17.53	17.60	17.46	17.39	17.34		
20	64QAM	1	0	17.35	17.31	17.57	17.46	17.53	18.2	0
20	64QAM	1	49	17.48	17.43	17.54	17.40	17.50		
20	64QAM	1	99	17.45	17.40	17.49	17.36	17.44		
20	64QAM	50	0	17.24	17.34	17.57	17.36	17.44	18.2	0
20	64QAM	50	24	17.33	17.38	17.50	17.41	17.41		
20	64QAM	50	50	17.29	17.29	17.48	17.20	17.27		
20	64QAM	100	0	17.26	17.32	17.27	17.28	17.38		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	17.52	17.53	17.59	17.49	17.49	18.20	0
15	QPSK	1	37	17.41	17.25	17.42	17.30	17.22		
15	QPSK	1	74	17.40	17.39	17.56	17.46	17.61		
15	QPSK	36	0	17.50	17.45	17.51	17.26	17.31	18.2	0
15	QPSK	36	20	17.10	17.26	17.36	17.11	17.12		
15	QPSK	36	39	17.47	17.46	17.42	17.45	17.41		
15	QPSK	75	0	17.40	17.42	17.51	17.37	17.29		
15	16QAM	1	0	17.29	17.10	17.25	17.30	17.27	18.2	0
15	16QAM	1	37	17.31	17.32	17.37	17.35	17.29		
15	16QAM	1	74	17.25	17.32	17.55	17.36	17.30		
15	16QAM	36	0	17.25	17.26	17.51	17.31	17.36	18.2	0
15	16QAM	36	20	17.25	17.30	17.63	17.40	17.33		
15	16QAM	36	39	17.37	17.27	17.34	17.22	17.14		
15	16QAM	75	0	17.40	17.57	17.57	17.33	17.24		
15	64QAM	1	0	17.22	17.19	17.48	17.35	17.45	18.2	0
15	64QAM	1	37	17.46	17.27	17.44	17.28	17.34		
15	64QAM	1	74	17.40	17.30	17.35	17.30	17.29		
15	64QAM	36	0	17.11	17.16	17.48	17.29	17.40	18.2	0
15	64QAM	36	20	17.28	17.30	17.46	17.31	17.38		
15	64QAM	36	39	17.20	17.25	17.44	17.18	17.09		
15	64QAM	75	0	17.11	17.25	17.20	17.26	17.22		

Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	17.52	17.47	17.50	17.59	17.55	18.20	0
10	QPSK	1	25	17.27	17.27	17.44	17.37	17.16		
10	QPSK	1	49	17.28	17.24	17.50	17.52	17.58		
10	QPSK	25	0	17.45	17.43	17.56	17.21	17.29	18.2	0
10	QPSK	25	12	17.12	17.14	17.41	17.09	17.09		
10	QPSK	25	25	17.39	17.38	17.40	17.41	17.47		
10	QPSK	50	0	17.33	17.30	17.43	17.38	17.40		
10	16QAM	1	0	17.23	17.07	17.32	17.23	17.23	18.2	0
10	16QAM	1	25	17.27	17.20	17.40	17.23	17.25		
10	16QAM	1	49	17.16	17.34	17.45	17.41	17.19		
10	16QAM	25	0	17.30	17.22	17.52	17.30	17.42	18.2	0
10	16QAM	25	12	17.27	17.35	17.63	17.32	17.29		
10	16QAM	25	25	17.28	17.36	17.39	17.25	17.19		
10	16QAM	50	0	17.46	17.53	17.60	17.37	17.22		
10	64QAM	1	0	17.23	17.23	17.44	17.34	17.48	18.2	0
10	64QAM	1	25	17.31	17.33	17.38	17.38	17.38		
10	64QAM	1	49	17.42	17.33	17.32	17.23	17.31		
10	64QAM	25	0	17.13	17.19	17.41	17.26	17.41	18.2	0
10	64QAM	25	12	17.28	17.33	17.47	17.37	17.33		
10	64QAM	25	25	17.25	17.26	17.46	17.12	17.24		
10	64QAM	50	0	17.18	17.27	17.16	17.19	17.26		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	17.42	17.43	17.63	17.54	17.46	18.20	0
5	QPSK	1	12	17.41	17.29	17.39	17.30	17.29		
5	QPSK	1	24	17.27	17.39	17.47	17.55	17.58		
5	QPSK	12	0	17.44	17.52	17.54	17.28	17.37	18.2	0
5	QPSK	12	7	17.18	17.14	17.37	17.14	17.16		
5	QPSK	12	13	17.42	17.43	17.51	17.48	17.44		
5	QPSK	25	0	17.34	17.45	17.49	17.44	17.36		
5	16QAM	1	0	17.16	17.14	17.28	17.27	17.27	18.2	0
5	16QAM	1	12	17.20	17.27	17.29	17.26	17.25		
5	16QAM	1	24	17.14	17.27	17.53	17.32	17.20		
5	16QAM	12	0	17.34	17.28	17.47	17.21	17.41	18.2	0
5	16QAM	12	7	17.39	17.34	17.51	17.41	17.20		
5	16QAM	12	13	17.34	17.33	17.48	17.25	17.08		
5	16QAM	25	0	17.45	17.56	17.53	17.23	17.19		
5	64QAM	1	0	17.23	17.24	17.42	17.43	17.41	18.2	0
5	64QAM	1	12	17.33	17.32	17.48	17.24	17.40		
5	64QAM	1	24	17.38	17.24	17.40	17.20	17.27		
5	64QAM	12	0	17.11	17.23	17.41	17.28	17.27	18.2	0
5	64QAM	12	7	17.20	17.25	17.33	17.35	17.26		
5	64QAM	12	13	17.26	17.13	17.39	17.13	17.12		
5	64QAM	25	0	17.11	17.15	17.17	17.17	17.34		

<LTE Band 42 Ant.3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	12.39	12.43	12.24	13.7	0
20	QPSK	1	49	12.31	12.35	12.20		
20	QPSK	1	99	12.28	12.31	12.32		
20	QPSK	50	0	12.26	12.40	12.33	13.7	0
20	QPSK	50	24	12.21	12.23	12.14		
20	QPSK	50	50	12.30	12.34	12.23		
20	QPSK	100	0	12.29	12.36	12.23		
20	16QAM	1	0	12.16	12.28	12.14	13.7	0
20	16QAM	1	49	12.26	12.32	12.25		
20	16QAM	1	99	12.14	12.28	12.20		
20	16QAM	50	0	12.10	12.27	12.13	13.7	0
20	16QAM	50	24	12.30	12.35	12.21		
20	16QAM	50	50	12.28	12.33	12.23		
20	16QAM	100	0	12.24	12.44	12.21		
20	64QAM	1	0	12.18	12.27	12.27	13.7	0
20	64QAM	1	49	12.25	12.33	12.16		
20	64QAM	1	99	12.21	12.24	12.22		
20	64QAM	50	0	12.16	12.16	12.21	13.7	0
20	64QAM	50	24	12.17	12.33	12.14		
20	64QAM	50	50	11.98	12.16	12.01		
20	64QAM	100	0	12.08	12.16	12.08		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	12.23	12.30	12.07	13.7	0
15	QPSK	1	37	12.28	12.21	12.05		
15	QPSK	1	74	12.14	12.18	12.24		
15	QPSK	36	0	12.11	12.34	12.22	13.7	0
15	QPSK	36	20	12.16	12.17	11.99		
15	QPSK	36	39	12.23	12.25	12.15		
15	QPSK	75	0	12.12	12.29	12.17		
15	16QAM	1	0	12.01	12.10	12.12	13.7	0
15	16QAM	1	37	12.22	12.22	12.08		
15	16QAM	1	74	12.00	12.18	12.13		
15	16QAM	36	0	12.00	12.14	12.02	13.7	0
15	16QAM	36	20	12.26	12.21	12.19		
15	16QAM	36	39	12.15	12.18	12.14		
15	16QAM	75	0	12.15	12.33	12.03		
15	64QAM	1	0	12.02	12.18	12.17	13.7	0
15	64QAM	1	37	12.08	12.19	12.02		
15	64QAM	1	74	12.11	12.08	12.12		
15	64QAM	36	0	12.05	12.00	12.05	13.7	0
15	64QAM	36	20	12.11	12.17	12.07		
15	64QAM	36	39	11.95	12.12	11.93		
15	64QAM	75	0	11.90	12.11	11.97		

Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	12.32	12.38	12.12	13.7	0
10	QPSK	1	25	12.17	12.28	12.05		
10	QPSK	1	49	12.22	12.27	12.21		
10	QPSK	25	0	12.16	12.24	12.24	13.7	0
10	QPSK	25	12	12.10	12.13	12.02		
10	QPSK	25	25	12.21	12.19	12.18		
10	QPSK	50	0	12.12	12.30	12.21		
10	16QAM	1	0	12.05	12.22	12.07	13.7	0
10	16QAM	1	25	12.19	12.26	12.14		
10	16QAM	1	49	11.99	12.23	12.12		
10	16QAM	25	0	11.98	12.21	12.01	13.7	0
10	16QAM	25	12	12.17	12.17	12.10		
10	16QAM	25	25	12.15	12.29	12.19		
10	16QAM	50	0	12.12	12.27	12.10		
10	64QAM	1	0	12.02	12.15	12.23	13.7	0
10	64QAM	1	25	12.23	12.21	12.06		
10	64QAM	1	49	12.16	12.21	12.07		
10	64QAM	25	0	12.04	12.12	12.03	13.7	0
10	64QAM	25	12	12.06	12.19	11.98		
10	64QAM	25	25	11.85	12.13	11.92		
10	64QAM	50	0	11.99	12.03	11.94		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	12.34	12.35	12.15	13.7	0
5	QPSK	1	12	12.14	12.30	12.12		
5	QPSK	1	24	12.23	12.28	12.15		
5	QPSK	12	0	12.11	12.28	12.21	13.7	0
5	QPSK	12	7	12.16	12.10	12.08		
5	QPSK	12	13	12.28	12.25	12.13		
5	QPSK	25	0	12.21	12.20	12.13		
5	16QAM	1	0	12.05	12.22	11.99	13.7	0
5	16QAM	1	12	12.23	12.29	12.11		
5	16QAM	1	24	12.09	12.11	12.14		
5	16QAM	12	0	12.04	12.12	12.04	13.7	0
5	16QAM	12	7	12.26	12.26	12.07		
5	16QAM	12	13	12.18	12.19	12.10		
5	16QAM	25	0	12.13	12.37	12.17		
5	64QAM	1	0	12.03	12.23	12.17	13.7	0
5	64QAM	1	12	12.09	12.25	12.05		
5	64QAM	1	24	12.09	12.06	12.14		
5	64QAM	12	0	12.10	12.02	12.12	13.7	0
5	64QAM	12	7	12.13	12.19	12.08		
5	64QAM	12	13	11.80	12.02	11.99		
5	64QAM	25	0	11.92	12.11	11.98		

Reduced Power Mode for DSI 2

<LTE Band 38 Ant.0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	23.04	23.20	23.07	24	0
20	QPSK	1	49	23.05	23.12	22.95		
20	QPSK	1	99	23.01	23.03	22.98		
20	QPSK	50	0	22.03	22.15	22.06	23	1
20	QPSK	50	24	21.92	22.06	21.98		
20	QPSK	50	50	21.96	22.02	21.96		
20	QPSK	100	0	22.07	22.13	22.11		
20	16QAM	1	0	22.09	22.06	22.00	23	1
20	16QAM	1	49	22.00	22.11	22.05		
20	16QAM	1	99	22.01	21.98	22.03		
20	16QAM	50	0	21.21	21.18	21.13	22	2
20	16QAM	50	24	21.10	21.15	21.18		
20	16QAM	50	50	21.24	21.03	21.22		
20	16QAM	100	0	21.07	21.19	21.08		
20	64QAM	1	0	21.00	21.30	21.18	22	2
20	64QAM	1	49	21.13	21.16	21.06		
20	64QAM	1	99	21.12	21.03	21.15		
20	64QAM	50	0	20.17	20.19	20.15	21	3
20	64QAM	50	24	20.07	20.11	20.11		
20	64QAM	50	50	20.13	20.20	19.93		
20	64QAM	100	0	20.11	20.21	19.95		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	22.92	23.15	23.01	24	0
15	QPSK	1	37	22.89	22.95	22.89		
15	QPSK	1	74	22.88	22.91	22.86		
15	QPSK	36	0	21.93	22.06	21.94	23	1
15	QPSK	36	20	21.82	21.88	21.92		
15	QPSK	36	39	21.79	21.86	21.85		
15	QPSK	75	0	21.99	22.05	21.97		
15	16QAM	1	0	21.93	21.93	21.97	23	1
15	16QAM	1	37	21.93	21.99	21.98		
15	16QAM	1	74	21.93	21.81	21.97		
15	16QAM	36	0	21.13	21.13	21.09	22	2
15	16QAM	36	20	21.07	21.04	21.13		
15	16QAM	36	39	21.20	20.91	21.08		
15	16QAM	75	0	20.94	21.11	20.93		
15	64QAM	1	0	20.84	21.19	21.00	22	2
15	64QAM	1	37	21.00	21.06	20.97		
15	64QAM	1	74	21.00	20.99	21.03		
15	64QAM	36	0	20.01	20.15	20.08	21	3
15	64QAM	36	20	19.94	19.97	19.97		
15	64QAM	36	39	20.10	20.12	19.82		
15	64QAM	75	0	20.00	20.14	19.78		

Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	22.98	23.15	23.05	24	0
10	QPSK	1	25	22.96	22.94	22.84		
10	QPSK	1	49	22.98	22.89	22.92		
10	QPSK	25	0	21.86	21.99	21.99	23	1
10	QPSK	25	12	21.87	22.03	21.89		
10	QPSK	25	25	21.90	21.92	21.86		
10	QPSK	50	0	22.03	22.10	22.02		
10	16QAM	1	0	22.05	21.96	21.91	23	1
10	16QAM	1	25	21.84	21.97	21.91		
10	16QAM	1	49	21.83	21.81	21.90		
10	16QAM	25	0	21.14	21.03	21.04	22	2
10	16QAM	25	12	20.99	21.05	21.01		
10	16QAM	25	25	21.09	20.95	21.17		
10	16QAM	50	0	20.91	21.03	21.00		
10	64QAM	1	0	20.85	21.16	21.06	22	2
10	64QAM	1	25	21.10	21.14	20.98		
10	64QAM	1	49	20.99	20.92	20.99		
10	64QAM	25	0	20.00	20.08	20.00	21	3
10	64QAM	25	12	19.99	19.98	20.01		
10	64QAM	25	25	20.00	20.04	19.79		
10	64QAM	50	0	20.03	20.10	19.87		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	22.88	23.10	23.05	24	0
5	QPSK	1	12	23.02	22.98	22.90		
5	QPSK	1	24	22.88	22.97	22.91		
5	QPSK	12	0	21.87	22.04	21.98	23	1
5	QPSK	12	7	21.82	21.99	21.89		
5	QPSK	12	13	21.86	21.97	21.82		
5	QPSK	25	0	22.00	21.96	22.07		
5	16QAM	1	0	22.02	21.98	21.86	23	1
5	16QAM	1	12	21.95	21.98	21.94		
5	16QAM	1	24	21.94	21.96	21.95		
5	16QAM	12	0	21.04	21.14	21.09	22	2
5	16QAM	12	7	21.02	21.00	21.12		
5	16QAM	12	13	21.19	20.97	21.17		
5	16QAM	25	0	20.94	21.02	20.90		
5	64QAM	1	0	20.96	21.13	21.14	22	2
5	64QAM	1	12	21.11	20.98	20.88		
5	64QAM	1	24	21.05	20.92	21.12		
5	64QAM	12	0	20.06	20.09	20.11	21	3
5	64QAM	12	7	19.91	19.94	20.02		
5	64QAM	12	13	20.11	20.05	19.87		
5	64QAM	25	0	19.94	20.10	19.77		

<LTE Band 41 Ant.2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	23.69	23.66	23.99	23.92	23.84	25	0
20	QPSK	1	49	23.65	23.69	23.83	23.75	23.72		
20	QPSK	1	99	23.87	23.71	23.92	23.88	23.82		
20	QPSK	50	0	22.83	22.90	23.00	22.93	22.83	24	1
20	QPSK	50	24	22.89	22.89	22.98	22.82	22.84		
20	QPSK	50	50	22.87	22.83	22.96	22.88	22.85		
20	QPSK	100	0	22.96	22.94	23.02	22.85	22.87		
20	16QAM	1	0	22.93	22.88	23.03	22.97	22.92	24	1
20	16QAM	1	49	22.79	22.81	22.91	22.77	22.84		
20	16QAM	1	99	22.88	22.84	22.98	22.96	22.89		
20	16QAM	50	0	21.98	21.93	22.08	21.93	22.00	23	2
20	16QAM	50	24	21.95	22.01	22.10	21.92	22.02		
20	16QAM	50	50	21.87	21.91	22.00	21.92	21.87		
20	16QAM	100	0	21.98	22.01	22.11	22.02	22.06		
20	64QAM	1	0	21.88	21.83	21.95	21.91	21.82	23	2
20	64QAM	1	49	21.80	21.77	21.93	21.90	21.87		
20	64QAM	1	99	21.82	21.91	21.96	21.91	21.80		
20	64QAM	50	0	20.89	20.89	20.99	20.91	20.82	22	3
20	64QAM	50	24	20.94	20.86	21.00	20.86	20.93		
20	64QAM	50	50	20.90	20.80	20.94	20.89	20.80		
20	64QAM	100	0	20.97	20.89	21.06	21.03	20.90		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	23.52	23.58	23.84	23.89	23.73	25.00	0
15	QPSK	1	37	23.52	23.59	23.69	23.72	23.68		
15	QPSK	1	74	23.69	23.54	23.79	23.76	23.67		
15	QPSK	36	0	22.72	22.83	22.96	22.82	22.74	24	1
15	QPSK	36	20	22.73	22.81	22.81	22.74	22.82		
15	QPSK	36	39	22.84	22.74	22.81	22.77	22.78		
15	QPSK	75	0	22.87	22.84	22.87	22.77	22.83		
15	16QAM	1	0	22.91	22.78	22.88	22.90	22.82	24	1
15	16QAM	1	37	22.73	22.64	22.77	22.71	22.79		
15	16QAM	1	74	22.78	22.81	22.86	22.93	22.74		
15	16QAM	36	0	21.93	21.84	22.04	21.78	21.93	23	2
15	16QAM	36	20	21.91	21.93	21.98	21.83	21.87		
15	16QAM	36	39	21.82	21.83	21.98	21.85	21.77		
15	16QAM	75	0	21.87	21.87	22.03	21.93	21.97		
15	64QAM	1	0	21.71	21.71	21.85	21.79	21.79	23	2
15	64QAM	1	37	21.69	21.72	21.76	21.81	21.73		
15	64QAM	1	74	21.70	21.80	21.92	21.79	21.71		
15	64QAM	36	0	20.79	20.77	20.83	20.81	20.69	22	3
15	64QAM	36	20	20.84	20.71	20.89	20.84	20.83		
15	64QAM	36	39	20.81	20.69	20.91	20.74	20.69		
15	64QAM	75	0	20.92	20.79	20.99	20.90	20.75		

Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	23.53	23.58	23.87	23.82	23.67	25.00	0
10	QPSK	1	25	23.63	23.63	23.78	23.59	23.62		
10	QPSK	1	49	23.81	23.53	23.78	23.71	23.68		
10	QPSK	25	0	22.68	22.77	22.96	22.81	22.72	24	1
10	QPSK	25	12	22.83	22.78	22.85	22.65	22.76		
10	QPSK	25	25	22.84	22.80	22.87	22.86	22.72		
10	QPSK	50	0	22.91	22.89	22.84	22.72	22.71		
10	16QAM	1	0	22.88	22.75	22.97	22.80	22.75	24	1
10	16QAM	1	25	22.63	22.66	22.87	22.64	22.76		
10	16QAM	1	49	22.83	22.68	22.94	22.93	22.78		
10	16QAM	25	0	21.85	21.76	21.95	21.75	21.90	23	2
10	16QAM	25	12	21.90	21.87	21.93	21.77	21.90		
10	16QAM	25	25	21.78	21.80	21.90	21.79	21.72		
10	16QAM	50	0	21.82	21.86	21.97	21.93	22.00		
10	64QAM	1	0	21.82	21.76	21.85	21.75	21.77	23	2
10	64QAM	1	25	21.73	21.63	21.78	21.82	21.75		
10	64QAM	1	49	21.76	21.83	21.81	21.89	21.69		
10	64QAM	25	0	20.82	20.82	20.97	20.75	20.77	22	3
10	64QAM	25	12	20.78	20.70	20.90	20.77	20.90		
10	64QAM	25	25	20.82	20.77	20.82	20.77	20.70		
10	64QAM	50	0	20.86	20.86	20.97	20.95	20.80		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	23.64	23.59	23.83	23.83	23.71	25.00	0
5	QPSK	1	12	23.56	23.62	23.81	23.66	23.66		
5	QPSK	1	24	23.83	23.66	23.77	23.75	23.75		
5	QPSK	12	0	22.75	22.74	22.93	22.79	22.68	24	1
5	QPSK	12	7	22.79	22.75	22.80	22.67	22.78		
5	QPSK	12	13	22.77	22.77	22.84	22.70	22.81		
5	QPSK	25	0	22.85	22.91	22.88	22.76	22.82		
5	16QAM	1	0	22.88	22.84	22.87	22.80	22.86	24	1
5	16QAM	1	12	22.65	22.72	22.76	22.66	22.72		
5	16QAM	1	24	22.83	22.79	22.84	22.89	22.77		
5	16QAM	12	0	21.87	21.78	21.99	21.77	21.92	23	2
5	16QAM	12	7	21.90	21.93	21.95	21.80	22.00		
5	16QAM	12	13	21.69	21.86	21.93	21.75	21.77		
5	16QAM	25	0	21.85	21.98	22.02	21.94	22.04		
5	64QAM	1	0	21.75	21.74	21.89	21.83	21.72	23	2
5	64QAM	1	12	21.67	21.70	21.79	21.77	21.82		
5	64QAM	1	24	21.71	21.73	21.81	21.75	21.71		
5	64QAM	12	0	20.81	20.77	20.95	20.88	20.68	22	3
5	64QAM	12	7	20.86	20.80	20.89	20.76	20.80		
5	64QAM	12	13	20.83	20.65	20.77	20.76	20.78		
5	64QAM	25	0	20.94	20.76	21.01	20.93	20.77		

<LTE Band 42 Ant.3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	23.11	23.21	23.16	24	0
20	QPSK	1	49	23.04	23.13	23.02		
20	QPSK	1	99	22.95	23.09	22.96		
20	QPSK	50	0	22.17	22.26	22.18	23	1
20	QPSK	50	24	22.17	22.20	22.04		
20	QPSK	50	50	22.00	22.17	22.03		
20	QPSK	100	0	22.16	22.22	22.06		
20	16QAM	1	0	22.06	22.13	21.96	23	1
20	16QAM	1	49	22.03	22.10	21.95		
20	16QAM	1	99	21.97	22.12	22.08		
20	16QAM	50	0	21.21	21.32	21.28	22	2
20	16QAM	50	24	21.29	21.34	21.26		
20	16QAM	50	50	21.12	21.27	21.12		
20	16QAM	100	0	21.21	21.29	21.18		
20	64QAM	1	0	21.01	21.06	20.89	22	2
20	64QAM	1	49	20.94	21.10	20.96		
20	64QAM	1	99	20.84	20.98	20.93		
20	64QAM	50	0	20.13	20.26	20.22	21	3
20	64QAM	50	24	20.16	20.29	20.15		
20	64QAM	50	50	20.17	20.30	20.25		
20	64QAM	100	0	20.24	20.26	20.09		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	22.94	23.18	23.12	24	0
15	QPSK	1	37	22.98	23.01	22.94		
15	QPSK	1	74	22.91	23.06	22.94		
15	QPSK	36	0	22.05	22.11	22.11	23	1
15	QPSK	36	20	22.14	22.05	21.88		
15	QPSK	36	39	21.93	22.06	21.97		
15	QPSK	75	0	22.04	22.08	21.98		
15	16QAM	1	0	21.88	22.04	21.87	23	1
15	16QAM	1	37	21.98	21.95	21.90		
15	16QAM	1	74	21.80	22.09	22.06		
15	16QAM	36	0	21.12	21.19	21.17	22	2
15	16QAM	36	20	21.11	21.19	21.23		
15	16QAM	36	39	21.03	21.23	21.00		
15	16QAM	75	0	21.13	21.12	21.12		
15	64QAM	1	0	20.86	20.98	20.77	22	2
15	64QAM	1	37	20.88	20.92	20.90		
15	64QAM	1	74	20.69	20.93	20.82		
15	64QAM	36	0	20.08	20.10	20.18	21	3
15	64QAM	36	20	19.98	20.19	19.98		
15	64QAM	36	39	20.08	20.17	20.17		
15	64QAM	75	0	20.13	20.16	19.93		

Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	22.99	23.15	23.14	24	0
10	QPSK	1	25	22.88	22.97	22.86		
10	QPSK	1	49	22.87	22.93	22.86		
10	QPSK	25	0	22.15	22.12	22.03	23	1
10	QPSK	25	12	22.12	22.08	21.96		
10	QPSK	25	25	21.96	22.07	21.93		
10	QPSK	50	0	21.98	22.09	21.92		
10	16QAM	1	0	21.90	22.02	21.85	23	1
10	16QAM	1	25	21.89	21.92	21.87		
10	16QAM	1	49	21.91	21.99	21.93		
10	16QAM	25	0	21.05	21.25	21.17	22	2
10	16QAM	25	12	21.23	21.22	21.23		
10	16QAM	25	25	21.03	21.10	21.06		
10	16QAM	50	0	21.12	21.26	21.02		
10	64QAM	1	0	20.93	21.02	20.77	22	2
10	64QAM	1	25	20.77	20.92	20.88		
10	64QAM	1	49	20.74	20.91	20.86		
10	64QAM	25	0	20.09	20.22	20.06	21	3
10	64QAM	25	12	20.13	20.17	20.08		
10	64QAM	25	25	20.08	20.15	20.22		
10	64QAM	50	0	20.13	20.16	19.96		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	23.03	23.08	23.04	24	0
5	QPSK	1	12	22.96	23.02	22.86		
5	QPSK	1	24	22.92	23.04	22.88		
5	QPSK	12	0	22.10	22.20	22.02	23	1
5	QPSK	12	7	22.12	22.13	21.93		
5	QPSK	12	13	21.94	22.05	21.94		
5	QPSK	25	0	22.05	22.09	21.95		
5	16QAM	1	0	21.93	22.08	21.82	23	1
5	16QAM	1	12	21.96	22.07	21.78		
5	16QAM	1	24	21.82	21.99	22.02		
5	16QAM	12	0	21.08	21.22	21.15	22	2
5	16QAM	12	7	21.12	21.19	21.18		
5	16QAM	12	13	20.95	21.13	21.07		
5	16QAM	25	0	21.11	21.18	21.08		
5	64QAM	1	0	20.99	20.98	20.85	22	2
5	64QAM	1	12	20.84	21.05	20.92		
5	64QAM	1	24	20.71	20.96	20.76		
5	64QAM	12	0	19.99	20.20	20.14	21	3
5	64QAM	12	7	20.02	20.22	20.07		
5	64QAM	12	13	20.01	20.16	20.15		
5	64QAM	25	0	20.20	20.24	20.00		

Reduced Power Mode for DSI 3

<LTE Band 38 Ant.0>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				37850	38000	38150		
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	0	12.32	12.43	12.35	13.1	0
20	QPSK	1	49	12.27	12.36	12.29		
20	QPSK	1	99	12.19	12.26	12.23		
20	QPSK	50	0	12.27	12.39	12.33	13.1	0
20	QPSK	50	24	12.20	12.31	12.14		
20	QPSK	50	50	12.23	12.29	12.21		
20	QPSK	100	0	12.10	12.33	12.09		
20	16QAM	1	0	12.23	12.25	12.03	13.1	0
20	16QAM	1	49	12.07	12.24	11.95		
20	16QAM	1	99	12.02	12.17	12.08		
20	16QAM	50	0	12.06	12.19	12.23	13.1	0
20	16QAM	50	24	12.08	12.23	12.19		
20	16QAM	50	50	12.26	12.25	12.12		
20	16QAM	100	0	12.19	12.27	11.95		
20	64QAM	1	0	12.17	12.06	12.07	13.1	0
20	64QAM	1	49	12.16	12.25	12.00		
20	64QAM	1	99	12.12	12.16	12.09		
20	64QAM	50	0	12.03	12.07	11.97	13.1	0
20	64QAM	50	24	12.05	12.22	11.92		
20	64QAM	50	50	11.93	12.04	11.88		
20	64QAM	100	0	12.05	11.96	11.98		
Channel				37825	38000	38175	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2577.5	2595	2612.5		
15	QPSK	1	0	12.24	12.40	12.29	13.1	0
15	QPSK	1	37	12.20	12.18	12.20		
15	QPSK	1	74	12.05	12.13	12.09		
15	QPSK	36	0	12.11	12.34	12.28	13.1	0
15	QPSK	36	20	12.05	12.27	12.08		
15	QPSK	36	39	12.08	12.22	12.03		
15	QPSK	75	0	12.02	12.28	11.98		
15	16QAM	1	0	12.16	12.17	11.92	13.1	0
15	16QAM	1	37	12.01	12.12	11.82		
15	16QAM	1	74	11.84	12.07	12.05		
15	16QAM	36	0	12.00	12.09	12.06	13.1	0
15	16QAM	36	20	12.04	12.08	12.14		
15	16QAM	36	39	12.13	12.14	12.07		
15	16QAM	75	0	12.05	12.12	11.90		
15	64QAM	1	0	12.03	11.97	11.98	13.1	0
15	64QAM	1	37	12.13	12.07	11.95		
15	64QAM	1	74	12.06	12.06	11.97		
15	64QAM	36	0	11.91	12.01	11.84	13.1	0
15	64QAM	36	20	12.01	12.16	11.86		
15	64QAM	36	39	11.85	11.95	11.81		
15	64QAM	75	0	11.93	11.79	11.93		

Channel				37800	38000	38200	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2575	2595	2615		
10	QPSK	1	0	12.29	12.35	12.27	13.1	0
10	QPSK	1	25	12.23	12.24	12.16		
10	QPSK	1	49	12.02	12.15	12.06		
10	QPSK	25	0	12.23	12.31	12.17	13.1	0
10	QPSK	25	12	12.15	12.19	12.06		
10	QPSK	25	25	12.17	12.22	12.08		
10	QPSK	50	0	12.05	12.27	11.98		
10	16QAM	1	0	12.08	12.23	12.00	13.1	0
10	16QAM	1	25	12.03	12.16	11.79		
10	16QAM	1	49	11.90	12.12	12.05		
10	16QAM	25	0	11.96	12.14	12.06	13.1	0
10	16QAM	25	12	11.93	12.19	12.04		
10	16QAM	25	25	12.10	12.20	11.98		
10	16QAM	50	0	12.02	12.14	11.81		
10	64QAM	1	0	12.14	11.92	11.98	13.1	0
10	64QAM	1	25	12.07	12.18	11.91		
10	64QAM	1	49	12.03	12.03	11.93		
10	64QAM	25	0	11.94	12.05	11.79	13.1	0
10	64QAM	25	12	11.88	12.15	11.87		
10	64QAM	25	25	11.80	11.96	11.86		
10	64QAM	50	0	11.95	11.86	11.89		
Channel				37775	38000	38225	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2572.5	2595	2617.5		
5	QPSK	1	0	12.22	12.33	12.19	13.1	0
5	QPSK	1	12	12.13	12.30	12.22		
5	QPSK	1	24	12.10	12.16	12.13		
5	QPSK	12	0	12.14	12.36	12.18	13.1	0
5	QPSK	12	7	12.15	12.17	12.11		
5	QPSK	12	13	12.08	12.12	12.07		
5	QPSK	25	0	12.05	12.30	12.02		
5	16QAM	1	0	12.06	12.15	11.87	13.1	0
5	16QAM	1	12	12.02	12.14	11.86		
5	16QAM	1	24	11.94	12.09	12.03		
5	16QAM	12	0	11.96	12.04	12.08	13.1	0
5	16QAM	12	7	12.02	12.11	12.16		
5	16QAM	12	13	12.18	12.10	12.05		
5	16QAM	25	0	12.17	12.24	11.80		
5	64QAM	1	0	12.03	11.96	11.96	13.1	0
5	64QAM	1	12	12.08	12.23	11.95		
5	64QAM	1	24	12.05	12.10	11.96		
5	64QAM	12	0	12.00	12.00	11.90	13.1	0
5	64QAM	12	7	11.96	12.08	11.85		
5	64QAM	12	13	11.89	12.01	11.79		
5	64QAM	25	0	11.88	11.84	11.94		

<LTE Band 41 Ant.2>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Low Middle Ch. / Freq.	Power Middle Ch. / Freq.	Power High Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				39750	40185	40620	41055	41490		
Frequency (MHz)				2506	2549.5	2593	2636.5	2680		
20	QPSK	1	0	17.55	17.59	17.67	17.65	17.61	18.2	0
20	QPSK	1	49	17.44	17.42	17.47	17.40	17.31		
20	QPSK	1	99	17.42	17.42	17.64	17.61	17.65		
20	QPSK	50	0	17.53	17.56	17.61	17.35	17.45	18.2	0
20	QPSK	50	24	17.26	17.29	17.45	17.26	17.26		
20	QPSK	50	50	17.54	17.49	17.56	17.54	17.51		
20	QPSK	100	0	17.48	17.48	17.59	17.48	17.44		
20	16QAM	1	0	17.34	17.25	17.36	17.40	17.37	18.2	0
20	16QAM	1	49	17.36	17.36	17.45	17.41	17.32		
20	16QAM	1	99	17.32	17.40	17.59	17.45	17.34		
20	16QAM	50	0	17.38	17.32	17.58	17.35	17.46	18.2	0
20	16QAM	50	24	17.43	17.39	17.47	17.45	17.38		
20	16QAM	50	50	17.42	17.41	17.52	17.35	17.26		
20	16QAM	100	0	17.53	17.60	17.46	17.39	17.34		
20	64QAM	1	0	17.35	17.31	17.57	17.46	17.53	18.2	0
20	64QAM	1	49	17.48	17.43	17.54	17.40	17.50		
20	64QAM	1	99	17.45	17.40	17.49	17.36	17.44		
20	64QAM	50	0	17.24	17.34	17.57	17.36	17.44	18.2	0
20	64QAM	50	24	17.33	17.38	17.50	17.41	17.41		
20	64QAM	50	50	17.29	17.29	17.48	17.20	17.27		
20	64QAM	100	0	17.26	17.32	17.27	17.28	17.38		
Channel				39725	40173	40620	41068	41515	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2503.5	2548.3	2593	2637.8	2682.5		
15	QPSK	1	0	17.52	17.53	17.59	17.49	17.49	18.20	0
15	QPSK	1	37	17.41	17.25	17.42	17.30	17.22		
15	QPSK	1	74	17.40	17.39	17.56	17.46	17.61		
15	QPSK	36	0	17.50	17.45	17.51	17.26	17.31	18.2	0
15	QPSK	36	20	17.10	17.26	17.36	17.11	17.12		
15	QPSK	36	39	17.47	17.46	17.42	17.45	17.41		
15	QPSK	75	0	17.40	17.42	17.51	17.37	17.29		
15	16QAM	1	0	17.29	17.10	17.25	17.30	17.27	18.2	0
15	16QAM	1	37	17.31	17.32	17.37	17.35	17.29		
15	16QAM	1	74	17.25	17.32	17.55	17.36	17.30		
15	16QAM	36	0	17.25	17.26	17.51	17.31	17.36	18.2	0
15	16QAM	36	20	17.25	17.30	17.63	17.40	17.33		
15	16QAM	36	39	17.37	17.27	17.34	17.22	17.14		
15	16QAM	75	0	17.40	17.57	17.57	17.33	17.24		
15	64QAM	1	0	17.22	17.19	17.48	17.35	17.45	18.2	0
15	64QAM	1	37	17.46	17.27	17.44	17.28	17.34		
15	64QAM	1	74	17.40	17.30	17.35	17.30	17.29		
15	64QAM	36	0	17.11	17.16	17.48	17.29	17.40	18.2	0
15	64QAM	36	20	17.28	17.30	17.46	17.31	17.38		
15	64QAM	36	39	17.20	17.25	17.44	17.18	17.09		
15	64QAM	75	0	17.11	17.25	17.20	17.26	17.22		

Channel				39700	40160	40620	41080	41540	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2501	2547	2593	2639	2685		
10	QPSK	1	0	17.52	17.47	17.50	17.59	17.55	18.20	0
10	QPSK	1	25	17.27	17.27	17.44	17.37	17.16		
10	QPSK	1	49	17.28	17.24	17.50	17.52	17.58		
10	QPSK	25	0	17.45	17.43	17.56	17.21	17.29	18.2	0
10	QPSK	25	12	17.12	17.14	17.41	17.09	17.09		
10	QPSK	25	25	17.39	17.38	17.40	17.41	17.47		
10	QPSK	50	0	17.33	17.30	17.43	17.38	17.40		
10	16QAM	1	0	17.23	17.07	17.32	17.23	17.23	18.2	0
10	16QAM	1	25	17.27	17.20	17.40	17.23	17.25		
10	16QAM	1	49	17.16	17.34	17.45	17.41	17.19		
10	16QAM	25	0	17.30	17.22	17.52	17.30	17.42	18.2	0
10	16QAM	25	12	17.27	17.35	17.63	17.32	17.29		
10	16QAM	25	25	17.28	17.36	17.39	17.25	17.19		
10	16QAM	50	0	17.46	17.53	17.60	17.37	17.22		
10	64QAM	1	0	17.23	17.23	17.44	17.34	17.48	18.2	0
10	64QAM	1	25	17.31	17.33	17.38	17.38	17.38		
10	64QAM	1	49	17.42	17.33	17.32	17.23	17.31		
10	64QAM	25	0	17.13	17.19	17.41	17.26	17.41	18.2	0
10	64QAM	25	12	17.28	17.33	17.47	17.37	17.33		
10	64QAM	25	25	17.25	17.26	17.46	17.12	17.24		
10	64QAM	50	0	17.18	17.27	17.16	17.19	17.26		
Channel				39675	40148	40620	41093	41565	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2498.5	2545.8	2593	2640.30	2687.5		
5	QPSK	1	0	17.42	17.43	17.63	17.54	17.46	18.20	0
5	QPSK	1	12	17.41	17.29	17.39	17.30	17.29		
5	QPSK	1	24	17.27	17.39	17.47	17.55	17.58		
5	QPSK	12	0	17.44	17.52	17.54	17.28	17.37	18.2	0
5	QPSK	12	7	17.18	17.14	17.37	17.14	17.16		
5	QPSK	12	13	17.42	17.43	17.51	17.48	17.44		
5	QPSK	25	0	17.34	17.45	17.49	17.44	17.36		
5	16QAM	1	0	17.16	17.14	17.28	17.27	17.27	18.2	0
5	16QAM	1	12	17.20	17.27	17.29	17.26	17.25		
5	16QAM	1	24	17.14	17.27	17.53	17.32	17.20		
5	16QAM	12	0	17.34	17.28	17.47	17.21	17.41	18.2	0
5	16QAM	12	7	17.39	17.34	17.51	17.41	17.20		
5	16QAM	12	13	17.34	17.33	17.48	17.25	17.08		
5	16QAM	25	0	17.45	17.56	17.53	17.23	17.19		
5	64QAM	1	0	17.23	17.24	17.42	17.43	17.41	18.2	0
5	64QAM	1	12	17.33	17.32	17.48	17.24	17.40		
5	64QAM	1	24	17.38	17.24	17.40	17.20	17.27		
5	64QAM	12	0	17.11	17.23	17.41	17.28	17.27	18.2	0
5	64QAM	12	7	17.20	17.25	17.33	17.35	17.26		
5	64QAM	12	13	17.26	17.13	17.39	17.13	17.12		
5	64QAM	25	0	17.11	17.15	17.17	17.17	17.34		

<LTE Band 42 Ant.3>

BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				42190	42590	42990		
Frequency (MHz)				3460	3500	3540		
20	QPSK	1	0	12.39	12.43	12.24	13.7	0
20	QPSK	1	49	12.31	12.35	12.20		
20	QPSK	1	99	12.28	12.31	12.32		
20	QPSK	50	0	12.26	12.40	12.33	13.7	0
20	QPSK	50	24	12.21	12.23	12.14		
20	QPSK	50	50	12.30	12.34	12.23		
20	QPSK	100	0	12.29	12.36	12.23		
20	16QAM	1	0	12.16	12.28	12.14	13.7	0
20	16QAM	1	49	12.26	12.32	12.25		
20	16QAM	1	99	12.14	12.28	12.20		
20	16QAM	50	0	12.10	12.27	12.13	13.7	0
20	16QAM	50	24	12.30	12.35	12.21		
20	16QAM	50	50	12.28	12.33	12.23		
20	16QAM	100	0	12.24	12.44	12.21		
20	64QAM	1	0	12.18	12.27	12.27	13.7	0
20	64QAM	1	49	12.25	12.33	12.16		
20	64QAM	1	99	12.21	12.24	12.22		
20	64QAM	50	0	12.16	12.16	12.21	13.7	0
20	64QAM	50	24	12.17	12.33	12.14		
20	64QAM	50	50	11.98	12.16	12.01		
20	64QAM	100	0	12.08	12.16	12.08		
Channel				42165	42590	43015	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3457.5	3500	3542.5		
15	QPSK	1	0	12.23	12.30	12.07	13.7	0
15	QPSK	1	37	12.28	12.21	12.05		
15	QPSK	1	74	12.14	12.18	12.24		
15	QPSK	36	0	12.11	12.34	12.22	13.7	0
15	QPSK	36	20	12.16	12.17	11.99		
15	QPSK	36	39	12.23	12.25	12.15		
15	QPSK	75	0	12.12	12.29	12.17		
15	16QAM	1	0	12.01	12.10	12.12	13.7	0
15	16QAM	1	37	12.22	12.22	12.08		
15	16QAM	1	74	12.00	12.18	12.13		
15	16QAM	36	0	12.00	12.14	12.02	13.7	0
15	16QAM	36	20	12.26	12.21	12.19		
15	16QAM	36	39	12.15	12.18	12.14		
15	16QAM	75	0	12.15	12.33	12.03		
15	64QAM	1	0	12.02	12.18	12.17	13.7	0
15	64QAM	1	37	12.08	12.19	12.02		
15	64QAM	1	74	12.11	12.08	12.12		
15	64QAM	36	0	12.05	12.00	12.05	13.7	0
15	64QAM	36	20	12.11	12.17	12.07		
15	64QAM	36	39	11.95	12.12	11.93		
15	64QAM	75	0	11.90	12.11	11.97		

Channel				42140	42590	43040	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3455	3500	3545		
10	QPSK	1	0	12.32	12.38	12.12	13.7	0
10	QPSK	1	25	12.17	12.28	12.05		
10	QPSK	1	49	12.22	12.27	12.21		
10	QPSK	25	0	12.16	12.24	12.24	13.7	0
10	QPSK	25	12	12.10	12.13	12.02		
10	QPSK	25	25	12.21	12.19	12.18		
10	QPSK	50	0	12.12	12.30	12.21		
10	16QAM	1	0	12.05	12.22	12.07	13.7	0
10	16QAM	1	25	12.19	12.26	12.14		
10	16QAM	1	49	11.99	12.23	12.12		
10	16QAM	25	0	11.98	12.21	12.01	13.7	0
10	16QAM	25	12	12.17	12.17	12.10		
10	16QAM	25	25	12.15	12.29	12.19		
10	16QAM	50	0	12.12	12.27	12.10		
10	64QAM	1	0	12.02	12.15	12.23	13.7	0
10	64QAM	1	25	12.23	12.21	12.06		
10	64QAM	1	49	12.16	12.21	12.07		
10	64QAM	25	0	12.04	12.12	12.03	13.7	0
10	64QAM	25	12	12.06	12.19	11.98		
10	64QAM	25	25	11.85	12.13	11.92		
10	64QAM	50	0	11.99	12.03	11.94		
Channel				42115	42590	43065	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3452.5	3500	3547.5		
5	QPSK	1	0	12.34	12.35	12.15	13.7	0
5	QPSK	1	12	12.14	12.30	12.12		
5	QPSK	1	24	12.23	12.28	12.15		
5	QPSK	12	0	12.11	12.28	12.21	13.7	0
5	QPSK	12	7	12.16	12.10	12.08		
5	QPSK	12	13	12.28	12.25	12.13		
5	QPSK	25	0	12.21	12.20	12.13		
5	16QAM	1	0	12.05	12.22	11.99	13.7	0
5	16QAM	1	12	12.23	12.29	12.11		
5	16QAM	1	24	12.09	12.11	12.14		
5	16QAM	12	0	12.04	12.12	12.04	13.7	0
5	16QAM	12	7	12.26	12.26	12.07		
5	16QAM	12	13	12.18	12.19	12.10		
5	16QAM	25	0	12.13	12.37	12.17		
5	64QAM	1	0	12.03	12.23	12.17	13.7	0
5	64QAM	1	12	12.09	12.25	12.05		
5	64QAM	1	24	12.09	12.06	12.14		
5	64QAM	12	0	12.10	12.02	12.12	13.7	0
5	64QAM	12	7	12.13	12.19	12.08		
5	64QAM	12	13	11.80	12.02	11.99		
5	64QAM	25	0	11.92	12.11	11.98		

<LTE Carrier Aggregation>

General Note:

1. This device supports Carrier Aggregation on downlink for inter and intra band. For the device supports bands and bandwidths and configurations are provided as follow table was according to 3GPP.
2. In applying the existing power measurement procedures of KDB 941225 D05A for DL CA SAR test exclusion, only the subset with the largest number of combinations of frequency bands and CCs in each row need combination, and for this device that all the configurations were choose to power measurement.
3. All permutations exist. No restrictions on Pcell & Scell combinations.

2CC Downlink Carrier Aggregation				3CC Downlink Carrier Aggregation				4CC Downlink Carrier Aggregation			
Number	Combination	4X4 MIMO	Covered by Measurement Superset	Number	Combination	4X4 MIMO	Covered by Measurement Superset	Number	Combination	4X4 MIMO	Covered by Measurement Superset
1	CA_7B	7A		1	CA_41D	41A		1	CA_41A-41A-41C	41A	
2	CA_7C	7A		2	CA_4A-7C	4A,7A					
3	CA_41C	41A	4CC#1	3	CA_5A-7A-7A	7A					
4	CA_5A-7A	7A	3CC#3	4	CA_5A-7C	7A					
5	CA_7A-7A	7A	3CC#3	5	CA_2A-4A-7A	2A, 4A, 7A					
6	CA_41A-41A	41A	4CC#1								
7	CA_5A-38A										
8	CA_5A-41A	41A									

LTE 4x4 MIMO (Downlink)

This device supports downlink 4x4 MIMO operations for LTE Band 2/4/7/41 only. Uplink transmission is limited to a single output stream. Power measurements were performed with downlink 4x4 MIMO active for the configuration with highest measured maximum conducted power with 4x4 downlink MIMO inactive measured among the channel bandwidth, modulation, and RB combinations in each frequency band.

Per FCC Guidance, SAR for downlink 4x4 MIMO was not needed since the maximum average output power in 4x4 downlink MIMO mode was not > 0.25 dB higher than the maximum output power with downlink 4x4 MIMO inactive. When carrier aggregation is applicable, power measurements were performed with the downlink carrier aggregation and 4x4 DL MIMO active for the configuration with highest measured maximum conducted power with downlink carrier aggregation inactive measured among the channel bandwidth, modulation, and RB combinations in each frequency band.

4X4 MIMO	Band
	LTE Band 2/4/7/41

LTE Carrier Aggregation Conducted Power (Downlink)

i. According to KDB941225 D05A v01r02, Uplink maximum output power measurement with downlink carrier aggregation active should be measured, using the highest output channel measured without downlink carrier aggregation, to confirm that uplink maximum output power with downlink carrier aggregation active remains within the specified tune-up tolerance limits and not more than ¼ dB higher than the maximum output measured without downlink carrier aggregation active.

ii. Uplink maximum output power with downlink carrier aggregation active does not show more than ¼ dB higher than the maximum output power without downlink carrier aggregation active, therefore SAR evaluation with downlink carrier aggregation active can be excluded.

iii. The device supports downlink four carrier aggregation. For power measurement were control and acknowledge data is sent on uplink channels that operate identical to specifications when downlink carrier aggregation is inactive.

iv. Selected highest measured power when downlink carrier aggregation is inactive for conducted power comparison with downlink carrier aggregation is active, to confirm that when downlink carrier aggregation is active uplink maximum output power remains within the specified tune-up tolerance limits and not more than ¼ dB higher than the maximum output power measured when downlink carrier aggregation inactive.

v. For inter-band CA, the SCC selected highest bandwidth and near the middle of its transmission band. For SCC DL RB size and offset will base on the PCC corresponding RB allocation.

vi. For non-contiguous intra-band CA, the SCC selected to provide maximum separation from the PCC and must remain fully within the downlink transmission band.

vii. For Intra-band, contiguous CA, the downlink channels selected to perform the uplink power measurement must satisfy 3GPP channel spacing (5.4.1A of 3GPP TS 36.521 or equivalent) and channel bandwidth (5.4.2A) requirements.

$$\text{Nominal channel spacing} = \left\lfloor \frac{BW_{Channel(1)} + BW_{Channel(2)} - 0.1\left|BW_{Channel(1)} - BW_{Channel(2)}\right|}{0.6} \right\rfloor 0.3 \ \ [\text{MHz}]$$

<Two Carrier power verification>

CA List	PCC									SCC					Power	
	LTE Band	BW Ant	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
CA_5A-38A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 38	20M	2595	38000	4x4MIMO	23.25	23.35
CA_5A-41A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 41	20M	2593	40620	4x4MIMO	23.26	23.35
CA_7B	Band 7	Ant0	15M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2544.3	3193	4x4MIMO	22.96	22.98
CA_7C	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	22.97	22.98

<Three Carrier power verification>

3CA List	PCC									SCC1					SCC2					Power	
	LTE Band	BW Ant	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
CA_2A-4A-7A	Band 2	Ant0	20M	1880	18900	QPSK	1	0	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	23.66	23.83
	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	23.70	23.78
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 2	20M	1960	900	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.82	22.98
CA_5A-7C	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	23.31	23.35
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	20M	2554.8	3298	4x4MIMO	Band 5	10M	881.5	2525		22.90	22.98
CA_5A-7A-7A	Band 5	Ant0	10M	836.5	20525	QPSK	1	0		Band 7	20M	2655	3100	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	23.23	23.35
	Band 7	Ant0	20M	2535	21100	QPSK	1	0	4x4MIMO	Band 7	5M	2687.5	3425	4x4MIMO	Band 5	10M	881.5	2525		22.92	22.98
CA_41D	Band 41	Ant2	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	20M	2612.8	40818	4x4MIMO	Band 41	20M	2632.6	41016	4x4MIMO	23.79	23.99
CA_4A-7C	Band 4	Ant0	20M	1732.5	20175	QPSK	1	0	4x4MIMO	Band 7	20M	2655	3100	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	23.56	23.78
	Band 7	Ant0	20M	20M	2535	QPSK	1	0	4x4MIMO	Band 7	20M	2674.8	3298	4x4MIMO	Band 4	20M	2132.5	2175	4x4MIMO	22.83	22.98

<Four Carrier power verification>

Configure	PCC									SCC1					SCC2					SCC3					Power	
	LTE Band	BW Ant	BW (MHz)	UL Freq. (MHz)	UL Channel	Mod.	UL# RB	UL RB Offset	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	LTE Band	BW (MHz)	DL Freq. (MHz)	DL Channel	DL Antenna Configuration	With CA Tx. Power (dBm)	Without CA Tx. Power (dBm)
CA_41A-41A-41C	Band 41	Ant2	20M	2593	40620	QPSK	1	0	4x4MIMO	Band 41	5M	2687.5	41565	4x4MIMO	Band 41	20M	2506	39750	4x4MIMO	Band 41	20M	2525.8	39948	4x4MIMO	23.89	23.99

LTE Carrier Aggregation Conducted Power (Uplink)

2CC Uplink Carrier Aggregation		
Number	Combination	Ant No.
1	7C	ANT0
2	41C	ANT2
3	42C	ANT3

<Intra-band>

General Note:

i. The device supports intra-band uplink carrier aggregation for LTE B7/B41/B42 with a maximum of two component carriers. For intra band contiguous carrier aggregation scenarios, 3GPP 36.101 table 6.2.2A-1 specifies that the aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP 36.101 6.2.3A allows for several dB of MPR to be applied when not-contiguous RB allocation is implemented. The conducted power and MPR setting in this device are permanently implemented pre 3GPP requirement.

ii. The device supports uplink carrier aggregation with a maximum of two 20MHz component carriers. For intra band contiguous carrier aggregation scenarios, 3GPP 36.101 table 6.2.2A-1 specifies that the aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP 36.101 6.2.3A allows for several dB of MPR to be applied when not-contiguous RB allocation is implemented. The conducted power and MPR setting in this device are permanently implemented pre the 3GPP requirement.

iii. According Nov. 2017 TCB workshop, the output power with uplink CA active was measured for the configuration with the highest reported SAR with single carrier for each exposure condition. The power was measured with wideband signal integration over both component carriers.

iv. Additional SAR measurement for LTE UL CA whit other DL CA combinations active were not required since the maximum output power for this configuration was not > 0.25dB higher than the maximum output power for UL CA active.

Default Power Mode

CA_7C ANT0										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	2	0	22.80	24.00
21100	21298	QPSK	1	99	1	0	2	0	22.92	24.00
21350	21152	QPSK	1	0	1	99	2	0	22.76	24.00

CA_41C ANT2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	2	0	23.88	25.00
40185	40383	QPSK	1	99	1	0	2	0	23.79	25.00
40620	40818	QPSK	1	99	1	0	2	0	23.96	25.00
41055	41253	QPSK	1	99	1	0	2	0	23.82	25.00
41490	41292	QPSK	1	0	1	99	2	0	23.75	25.00

CA_42C ANT3										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
42190	42388	QPSK	1	99	1	0	2	0	22.96	24.00
42590	42788	QPSK	1	99	1	0	2	0	23.18	24.00
42990	42792	QPSK	1	0	1	99	2	0	23.10	24.00

Reduced Power Mode for DSI 0

CA_7C ANT0										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	2	0	21.74	22.80
21100	21298	QPSK	1	99	1	0	2	0	21.79	22.80
21350	21152	QPSK	1	0	1	99	2	0	21.73	22.80

CA_41C ANT2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	2	0	23.68	25.00
40185	40383	QPSK	1	99	1	0	2	0	23.65	25.00
40620	40818	QPSK	1	99	1	0	2	0	23.98	25.00
41055	41253	QPSK	1	99	1	0	2	0	23.91	25.00
41490	41292	QPSK	1	0	1	99	2	0	23.83	25.00

CA_42C ANT3										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
42190	42388	QPSK	1	99	1	0	2	0	23.01	24.00
42590	42788	QPSK	1	99	1	0	2	0	23.11	24.00
42990	42792	QPSK	1	0	1	99	2	0	23.06	24.00

Reduced Power Mode for DSI 1

CA_7C ANT0										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	2	0	12.33	13.60
21100	21298	QPSK	1	99	1	0	2	0	12.36	13.60
21350	21152	QPSK	1	0	1	99	2	0	12.21	13.60

CA_41C ANT2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	2	0	17.53	18.20
40185	40383	QPSK	1	99	1	0	2	0	17.47	18.20
40620	40818	QPSK	1	99	1	0	2	0	17.55	18.20
41055	41253	QPSK	1	99	1	0	2	0	17.53	18.20
41490	41292	QPSK	1	0	1	99	2	0	17.49	18.20

CA_42C ANT3										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
42190	42388	QPSK	1	99	1	0	2	0	12.28	13.70
42590	42788	QPSK	1	99	1	0	2	0	12.32	13.70
42990	42792	QPSK	1	0	1	99	2	0	12.13	13.70

Reduced Power Mode for DSI 2

CA_7C ANT0										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	2	0	19.14	20.20
21100	21298	QPSK	1	99	1	0	2	0	19.25	20.20
21350	21152	QPSK	1	0	1	99	2	0	19.16	20.20

CA_41C ANT2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	2	0	23.54	25.00
40185	40383	QPSK	1	99	1	0	2	0	23.51	25.00
40620	40818	QPSK	1	99	1	0	2	0	23.84	25.00
41055	41253	QPSK	1	99	1	0	2	0	23.77	25.00
41490	41292	QPSK	1	0	1	99	2	0	23.69	25.00

CA_42C ANT3										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
42190	42388	QPSK	1	99	1	0	2	0	23.06	24.00
42590	42788	QPSK	1	99	1	0	2	0	23.16	24.00
42990	42792	QPSK	1	0	1	99	2	0	23.11	24.00

Reduced Power Mode for DSI 3

CA_7C ANT0										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
20850	21048	QPSK	1	99	1	0	2	0	9.53	11.00
21100	21298	QPSK	1	99	1	0	2	0	9.67	11.00
21350	21152	QPSK	1	0	1	99	2	0	9.46	11.00

CA_41C ANT2										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
39750	39948	QPSK	1	99	1	0	2	0	17.44	18.20
40185	40383	QPSK	1	99	1	0	2	0	17.48	18.20
40620	40818	QPSK	1	99	1	0	2	0	17.56	18.20
41055	41253	QPSK	1	99	1	0	2	0	17.54	18.20
41490	41292	QPSK	1	0	1	99	2	0	17.50	18.20

CA_42C ANT3										
Combination 20MHz+20MHz (100RB+100RB)										
PCC Channel	SCC Channel	Modulation	PCC		SCC		Total RB Size	Target MPR Level (dB)	Measured Power (dBm)	Tune up Power (dBm)
			RB Size	RB offset	RB Size	RB offset				
42190	42388	QPSK	1	99	1	0	2	0	12.29	13.70
42590	42788	QPSK	1	99	1	0	2	0	12.33	13.70
42990	42792	QPSK	1	0	1	99	2	0	12.14	13.70

5G NR Output Power (Unit: dBm)

General Note:

1. 5G NR n2 / n5 / n7 / n66 / n77 / n78 is NSA mode.
2. 5G NR n2 / n5 / n7 / n66 / n38 / n41/ n77 / n78 is SA mode.
3. For 5G NR test procedure was following step similar FCC KDB 941225 D05:
   a. For DFT-OFDM and CP-OFDM output power measurement reduction, according to 38.101 maximum power reduction for power class2 and 3, the CP-OFDM mode will not higher than DFT-OFDM mode, therefore, similar FCC KDB 941225 D05 procedure for other modulation output power for each RB allocation configuration is > not ½ dB higher than the same configuration in DFT-QPSK and the reported SAR for the DFT-QPSK configuration is ≤ 1.45 W/kg; CP-OFDM testing is not required.
   b. For DFT-OFDM output power measurement reduction, according to 38.101 maximum power reduction for power class2 and 3, for 16QAM/64QAM/256QAM and smaller bandwidth output power will spot check largest channel bandwidth worst RB configuration to ensure the 16QAM/64QAM/256QAM and smaller bandwidth output power will not ½ dB higher than the same configuration in the largest supported bandwidth.
   c. SAR testing start with the largest channel bandwidth and measure SAR for QPSK with 1 RB allocation, using the RB offset and required test channel combination with the highest maximum output power for RB offsets at the upper edge, middle and lower edge of each required test channel
   d. 50% RB allocation for QPSK SAR testing follows 1RB QPSK allocation procedure
   e. QPSK with 100% RB allocation, SAR is not required when the highest maximum output power for 100 % RB allocation is less than the highest maximum output power in 50% and 1 RB allocations and the highest reported SAR for 1 RB and 50% RB allocation are ≤ 0.8 W/kg. Otherwise, SAR is measured for the highest output power channel; and if the reported SAR is > 1.45 W/kg, the remaining required test channels must also be tested
   f. PI/2 BPSK/16QAM/64QAM/256QAM output powers according to 3GPP MPR will not ½ dB higher than the same configuration in QPSK, also reported SAR for the QPSK configuration is less than 1.45 W/kg, PI/2 BPSK /16QAM/64QAM/256QAM SAR testing are not required.
   g. Smaller bandwidth output power for each RB allocation configuration for this device will not ½ dB higher than the same configuration in the largest supported bandwidth, and the reported SAR for the largest supported bandwidth is ≤ 1.45 W/kg, smaller bandwidth SAR testing is not required for this device
4. Due to test setup limitations, SAR testing for NR was performed using Factory Test Mode software to establish the connection and perform SAR with 100% transmission.
5. 5G NR n41 / n77 / n78 supports HPUE, HPUE power and SAR testing performed separately.
6. 5G NR n41 / n77 / n78 HUPE with higher power, 5G NR n78 HUPE SAR can represent power class 3 level SAR.
7. NSA and SA mode should perform SAR separately. For the bands, when channel bandwidth of SA and NSA is same, and the maximum power of NSA mode is same as SA total power level, SA SAR can represent NSA mode SAR. For the bands, when channel bandwidth of SA and NSA is different, choose the largest channel bandwidth with maximum power to perform SAR testing, so the largest channel bandwidth SAR can represent the smallest channel bandwidth SAR.
8. When channel bandwidth of SA and NSA is same, the power level is the same as 5GNR SA mode, so 5GNR NSA mode and SA mode power table only show one time. When channel bandwidth of SA and NSA is different, chose the largest channel bandwidth mode among SA and NSA to perform power measurement.
9. 5G NR supports CP-OFDM and DFT-s-OFDM modulation, for DFT-s-OFDM power is higher than CP-OFDM, so only show DFT-s-OFDM power table and chose DFT-s-OFDM to perform SAR testing.
10. For DFT-s-OFDM and CP-OFDM output power measurement reduction, according to 38.101 maximum power reduction for the CP-OFDM mode will not higher than DFT-s-OFDM mode, therefore, CP-OFDM measurement is unnecessary.

<3GPP 38.101 MPR for EN-DC>

Table 6.2.2-1 Maximum power reduction (MPR) for power class 3

Modulation		MPR (dB)		
		Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM	Pi/2 BPSK	≤ 3.5[1]	≤ 1.2[1]	≤ 0.2[1]
		≤ 0.5[2]	≤ 0.5[2]	0[2]
	QPSK	≤ 1		0
	16 QAM	≤ 2		≤ 1
	64 QAM	≤ 2.5		
	256 QAM	≤ 4.5		
CP-OFDM	QPSK	≤ 3		≤ 1.5
	16 QAM	≤ 3		≤ 2
	64 QAM	≤ 3.5		
	256 QAM	≤ 6.5		

NOTE 1: Applicable for UE operating in TDD mode with Pi/2 BPSK modulation and UE indicates support for UE capability *powerBoosting-pi2BPSK* and if the IE *powerBoostPi2BPSK* is set to 1 and 40 % or less slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79. The reference power of 0 dB MPR is 26 dBm.

NOTE 2: Applicable for UE operating in FDD mode, or in TDD mode in bands other than n40, n41, n77, n78 and n79 with Pi/2 BPSK modulation and if the IE *powerBoostPi2BPSK* is set to 0 and if more than 40 % of slots in radio frame are used for UL transmission for bands n40, n41, n77, n78 and n79.

Table 6.2.2-2 Maximum power reduction (MPR) for power class 2

Modulation		MPR (dB)		
		Edge RB allocations	Outer RB allocations	Inner RB allocations
DFT-s-OFDM	Pi/2 BPSK	≤ 3.5	≤ 0.5	0
	QPSK	≤ 3.5	≤ 1	0
	16 QAM	≤ 3.5	≤ 2	≤ 1
	64 QAM	≤ 3.5	≤ 2.5	
	256 QAM	≤ 4.5		
CP-OFDM	QPSK	≤ 3.5	≤ 3	≤ 1.5
	16 QAM	≤ 3.5	≤ 3	≤ 2
	64 QAM	≤ 3.5		
	256 QAM	≤ 6.5		

<EN-DC combination and combine Total Power>

Uplink EN-DC Configuration	LTE TX ANT	NR TX ANT
DC_2A_n7A	ANT0	ANT2
DC_2A_n66A	ANT2	ANT0
DC_2A_n78A	ANT0	ANT3
DC_5A_n7A	ANT0	ANT2
DC_5A_n78A	ANT0	ANT3
DC_7A_n2A	ANT2	ANT0
DC_7A_n5A	ANT2	ANT0
DC_7A_n66A	ANT2	ANT0
DC_7A_n77A	ANT0	ANT3
DC_7A_n78A	ANT0	ANT3
DC_38A_n78A	ANT0	ANT3
DC_5A_n66A	ANT2	ANT0

Default Power Mode

n2 for Ant.0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	23.93	24.05	24.00	25.0	0.0
20	PI/2 BPSK	1	53	23.94	24.01	24.06		
20	PI/2 BPSK	1	104	23.80	23.98	23.80		
20	PI/2 BPSK	50	0	23.46	23.59	23.44	24.5	0.5
20	PI/2 BPSK	50	28	23.99	23.98	23.91	25.0	0.0
20	PI/2 BPSK	50	56	23.39	23.58	23.54	24.5	0.5
20	PI/2 BPSK	100	0	23.30	23.51	23.34		
20	QPSK	1	1	24.03	24.13	24.08	25.0	0.0
20	QPSK	1	53	24.06	24.10	23.98		
20	QPSK	1	104	23.73	24.01	23.80		
20	QPSK	50	0	23.10	23.09	23.08	24.0	1.0
20	QPSK	50	28	24.03	24.06	23.88	25.0	0.0
20	QPSK	50	56	22.97	23.02	22.89	24.0	1.0
20	QPSK	100	0	22.99	23.13	22.91		
20	16QAM	1	1	23.02	23.14	22.94	24.0	1.0
20	64QAM	1	1	21.39	21.60	21.46	22.5	2.5
20	256QAM	1	1	19.55	19.72	19.53	20.5	4.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	24.01	23.95	23.91	25.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	23.91	23.97	23.98	25.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	23.87	23.99	24.03	25.0	0.0

n5 for Ant.0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.93	24.01	23.98	25.0	0.0
20	PI/2 BPSK	1	53	23.86	23.99	23.86		
20	PI/2 BPSK	1	104	23.84	24.04	23.97		
20	PI/2 BPSK	50	0	23.08	23.29	23.17	24.5	0.5
20	PI/2 BPSK	50	28	23.83	23.92	23.89	25.0	0.0
20	PI/2 BPSK	50	56	23.38	23.56	23.28	24.5	0.5
20	PI/2 BPSK	100	0	23.23	23.37	23.28		
20	QPSK	1	1	23.98	24.07	24.05	25.0	0.0
20	QPSK	1	53	23.96	24.06	23.96		
20	QPSK	1	104	23.83	23.92	23.90		
20	QPSK	50	0	22.57	22.68	22.71	24.0	1.0
20	QPSK	50	28	23.77	23.91	23.87	25.0	0.0
20	QPSK	50	56	22.91	23.03	22.91	24.0	1.0
20	QPSK	100	0	22.77	22.92	22.74		
20	16QAM	1	1	22.34	22.43	22.24	24.0	1.0
20	64QAM	1	1	20.81	20.94	20.84	22.5	2.5
20	256QAM	1	1	19.02	19.15	19.12	20.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.83	24.04	23.94	25.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.82	24.03	23.91	25.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.83	24.00	24.02	25.0	0.0

n7 for Ant.0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	23.45	23.50	23.48	24.0	0.0
50	PI/2 BPSK	1	135	23.21	23.40	23.39		
50	PI/2 BPSK	1	268	23.28	23.50	23.23		
50	PI/2 BPSK	135	0	22.48	22.79	22.64	23.5	0.5
50	PI/2 BPSK	135	68	23.20	23.45	23.43	24.0	0.0
50	PI/2 BPSK	135	135	22.83	22.98	22.93	23.5	0.5
50	PI/2 BPSK	270	0	22.75	22.83	22.78		
50	QPSK	1	1	23.48	23.58	23.51	24.0	0.0
50	QPSK	1	135	23.20	23.44	23.34		
50	QPSK	1	268	23.43	23.56	23.50		
50	QPSK	135	0	22.12	22.22	22.04	23.0	1.0
50	QPSK	135	68	23.32	23.43	23.29	24.0	0.0
50	QPSK	135	135	22.44	22.62	22.45	23.0	1.0
50	QPSK	270	0	22.26	22.47	22.34		
50	16QAM	1	1	22.19	22.26	22.20	23.0	1.0
50	64QAM	1	1	20.64	20.68	20.58	21.5	2.5
50	256QAM	1	1	18.78	18.88	18.88	19.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	23.45	23.50	23.34	24.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	23.31	23.43	23.45	24.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	23.37	23.50	23.34	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	23.33	23.46	23.38	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.35	23.47	23.49	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.36	23.55	23.43	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.35	23.52	23.34	24.0	0.0

n66 for Ant.0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	23.94	24.03	24.01	25.0	0.0
30	PI/2 BPSK	1	80	23.98	24.10	23.96		
30	PI/2 BPSK	1	158	23.76	24.02	23.89		
30	PI/2 BPSK	80	0	23.31	23.49	23.27	24.5	0.5
30	PI/2 BPSK	80	40	23.79	24.05	23.95	25.0	0.0
30	PI/2 BPSK	80	80	23.60	23.66	23.56	24.5	0.5
30	PI/2 BPSK	160	0	23.51	23.64	23.54		
30	QPSK	1	1	24.07	24.21	24.15	25.0	0.0
30	QPSK	1	80	24.01	24.11	24.10		
30	QPSK	1	158	24.01	23.96	23.86		
30	QPSK	80	0	22.86	22.95	22.79	24.0	1.0
30	QPSK	80	40	24.03	24.13	24.05	25.0	0.0
30	QPSK	80	80	23.10	23.12	23.00	24.0	1.0
30	QPSK	160	0	23.01	23.07	22.91		
30	16QAM	1	1	22.85	22.89	22.93	24.0	1.0
30	64QAM	1	1	21.30	21.48	21.42	22.5	2.5
30	256QAM	1	1	19.51	19.62	19.57	20.5	4.5
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	QPSK	1	1	23.91	24.03	24.04	25.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	24.00	24.15	23.99	25.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	24.01	24.17	24.01	25.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	23.91	24.10	24.05	25.0	0.0

n38 for Ant.0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	23.53	23.51	23.38	24.0	0.0
40	PI/2 BPSK	1	53	23.42	23.54	23.35		
40	PI/2 BPSK	1	104	23.59	23.57	23.46		
40	PI/2 BPSK	50	0	22.97	23.10	22.97	23.5	0.5
40	PI/2 BPSK	50	28	23.39	23.54	23.50	24.0	0.0
40	PI/2 BPSK	50	56	23.08	23.11	23.03	23.5	0.5
40	PI/2 BPSK	100	0	22.93	23.09	22.90		
40	QPSK	1	1	23.50	23.68	23.53	24.0	0.0
40	QPSK	1	53	23.41	23.53	23.50		
40	QPSK	1	104	23.40	23.49	23.57		
40	QPSK	50	0	22.54	22.56	22.53	23.0	1.0
40	QPSK	50	28	23.59	23.65	23.56	24.0	0.0
40	QPSK	50	56	22.66	22.59	22.51	23.0	1.0
40	QPSK	100	0	22.41	22.54	22.45		
40	16QAM	1	1	22.48	22.53	22.42	23.0	1.0
40	64QAM	1	1	20.89	20.96	20.84	21.5	2.5
40	256QAM	1	1	19.01	19.17	19.06	19.5	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	23.33	23.60	23.49	24.0	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	QPSK	1	1	23.47	23.51	23.49	24.0	0.0

n41 for Ant.1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.04	20.12	19.98	21.0	0.0
100	PI/2 BPSK	1	137	20.05	20.08	19.94		
100	PI/2 BPSK	1	271	19.88	19.97	19.90		
100	PI/2 BPSK	135	0	19.92	20.05	19.99	21.0	0.0
100	PI/2 BPSK	135	69	19.95	20.01	19.90	21.0	0.0
100	PI/2 BPSK	135	138	19.80	19.92	19.88	21.0	0.0
100	PI/2 BPSK	270	0	19.95	20.06	19.93		
100	QPSK	1	1	20.08	20.19	20.09	21.0	0.0
100	QPSK	1	137	20.07	20.11	20.04		
100	QPSK	1	271	20.00	20.08	20.03		
100	QPSK	135	0	20.01	20.07	20.04	21.0	0.0
100	QPSK	135	69	19.95	20.09	19.98	21.0	0.0
100	QPSK	135	138	19.85	20.00	19.93	21.0	0.0
100	QPSK	270	0	19.95	20.04	19.93		
100	16QAM	1	1	19.98	20.01	19.97	21.0	0.0
100	64QAM	1	1	19.94	20.04	19.92	21.0	0.0
100	256QAM	1	1	19.87	19.99	19.95	21.0	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	20.03	20.07	20.00	21.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	20.00	20.13	20.04	21.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	20.00	20.15	19.95	21.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.02	20.14	20.02	21.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.98	20.05	19.98	21.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	20.00	20.14	20.06	21.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.99	20.10	19.94	21.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.01	20.15	19.96	21.0	0.0

Par27O n77 for Ant.1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.08	20.30	20.05	21.0	0.0
100	PI/2 BPSK	1	137	20.03	20.24	19.97		
100	PI/2 BPSK	1	271	20.00	20.16	19.86		
100	PI/2 BPSK	135	0	20.06	20.28	20.04	21.0	0.0
100	PI/2 BPSK	135	69	20.07	20.30	20.08	21.0	0.0
100	PI/2 BPSK	135	138	20.03	20.24	19.94	21.0	0.0
100	PI/2 BPSK	270	0	20.04	20.29	20.03		
100	QPSK	1	1	20.14	20.36	20.07	21.0	0.0
100	QPSK	1	137	20.00	20.24	19.96		
100	QPSK	1	271	20.04	20.18	20.00		
100	QPSK	135	0	20.05	20.23	19.95	21.0	0.0
100	QPSK	135	69	20.08	20.33	20.09	21.0	0.0
100	QPSK	135	138	19.95	20.18	19.97	21.0	0.0
100	QPSK	270	0	20.04	20.25	20.07		
100	16QAM	1	1	20.03	20.19	20.00	21.0	0.0
100	64QAM	1	1	18.50	18.72	18.49	19.5	1.5
100	256QAM	1	1	16.77	16.98	16.74	17.5	3.5
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.00	20.29	19.92	21.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.02	20.33	19.95	21.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.09	20.22	20.00	21.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.07	20.21	19.95	21.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.11	20.31	19.98	21.0	0.0

Part27Q n77 for Ant.1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.92		21.0	0.0
100	PI/2 BPSK	1	137		19.79			
100	PI/2 BPSK	1	271		19.88			
100	PI/2 BPSK	135	0		19.68		21.0	0.0
100	PI/2 BPSK	135	69		19.73		21.0	0.0
100	PI/2 BPSK	135	138		19.82		21.0	0.0
100	PI/2 BPSK	270	0		19.74			
100	QPSK	1	1		20.08		21.0	0.0
100	QPSK	1	137		19.75			
100	QPSK	1	271		19.92			
100	QPSK	135	0		19.14		20.5	0.5
100	QPSK	135	69		19.84		21.0	0.0
100	QPSK	135	138		19.34		20.5	0.5
100	QPSK	270	0		19.43			
100	16QAM	1	1		19.31		20.5	0.5
100	64QAM	1	1		17.69		19.0	2.0
100	256QAM	1	1		15.81		17.0	4.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.94	19.99	19.95	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.03	20.03	19.98	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.97	19.99	20.00	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.97	19.95	19.99	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.99	19.95	20.05	21.0	0.0

Part27O n78 for Ant.1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		20.12		21.0	0.0
100	PI/2 BPSK	1	137		20.07			
100	PI/2 BPSK	1	271		20.10			
100	PI/2 BPSK	135	0		20.05		21.0	0.0
100	PI/2 BPSK	135	69		20.11		21.0	0.0
100	PI/2 BPSK	135	138		20.08		21.0	0.0
100	PI/2 BPSK	270	0		20.05			
100	QPSK	1	1		20.19		21.0	0.0
100	QPSK	1	137		20.09			
100	QPSK	1	271		20.11			
100	QPSK	135	0		20.14		21.0	0.0
100	QPSK	135	69		20.15		21.0	0.0
100	QPSK	135	138		20.07		21.0	0.0
100	QPSK	270	0		20.13			
100	16QAM	1	1		20.17		21.0	0.0
100	64QAM	1	1		18.53		19.5	1.5
100	256QAM	1	1		16.66		17.5	3.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	20.12	20.12	20.10	21.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	20.16	20.11	20.06	21.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	20.06	20.14	20.06	21.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	20.07	20.14	20.13	21.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	20.16	20.07	20.11	21.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	20.09	20.04	20.12	21.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	20.10	20.08	20.05	21.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	20.12	20.07	20.07	21.0	0.0

Part27Q 78 for Ant.1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.82		21.0	0.0
100	PI/2 BPSK	1	137		19.78			
100	PI/2 BPSK	1	271		19.81			
100	PI/2 BPSK	135	0		19.66		21.0	0.0
100	PI/2 BPSK	135	69		19.80		21.0	0.0
100	PI/2 BPSK	135	138		19.72		21.0	0.0
100	PI/2 BPSK	270	0		19.75			
100	QPSK	1	1		19.89		21.0	0.0
100	QPSK	1	137		19.81			
100	QPSK	1	271		19.73			
100	QPSK	135	0		19.77		21.0	0.0
100	QPSK	135	69		19.83		21.0	0.0
100	QPSK	135	138		19.69		21.0	0.0
100	QPSK	270	0		19.80			
100	16QAM	1	1		19.75		21.0	0.0
100	64QAM	1	1		18.21		19.5	1.5
100	256QAM	1	1		16.26		17.5	3.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.80	19.77	19.70	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.79	19.74	19.71	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	19.71	19.77	19.70	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.74	19.71	19.79	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.76	19.71	19.75	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.80	19.76	19.77	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.74	19.77	19.79	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.70	19.75	19.77	21.0	0.0

n7 for Ant.2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	22.73	22.73	22.59	24.0	0.0
50	PI/2 BPSK	1	135	22.56	22.73	22.64		
50	PI/2 BPSK	1	268	22.74	22.72	22.70		
50	PI/2 BPSK	135	0	21.99	22.16	22.13	23.5	0.5
50	PI/2 BPSK	135	68	22.52	22.69	22.59	24.0	0.0
50	PI/2 BPSK	135	135	22.25	22.35	22.21	23.5	0.5
50	PI/2 BPSK	270	0	22.16	22.24	21.98		
50	QPSK	1	1	22.73	22.86	22.78	24.0	0.0
50	QPSK	1	135	22.57	22.79	22.68		
50	QPSK	1	268	22.52	22.69	22.71		
50	QPSK	135	0	21.54	21.64	21.44	23.0	1.0
50	QPSK	135	68	22.67	22.68	22.56	24.0	0.0
50	QPSK	135	135	21.52	21.62	21.50	23.0	1.0
50	QPSK	270	0	21.71	21.80	21.61		
50	16QAM	1	1	21.96	21.94	21.83	23.0	1.0
50	64QAM	1	1	20.28	20.33	20.29	21.5	2.5
50	256QAM	1	1	18.37	18.34	18.23	19.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	22.59	22.68	22.66	24.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.67	22.82	22.70	24.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.55	22.72	22.70	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	22.71	22.75	22.69	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.63	22.77	22.63	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.64	22.76	22.64	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.62	22.80	22.68	24.0	0.0

n41 for Ant.2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.67	22.79	22.69	24.0	0.0
100	PI/2 BPSK	1	137	22.55	22.65	22.52		
100	PI/2 BPSK	1	271	22.69	22.73	22.62		
100	PI/2 BPSK	135	0	22.29	22.38	22.33	23.5	0.5
100	PI/2 BPSK	135	69	22.62	22.69	22.51	24.0	0.0
100	PI/2 BPSK	135	138	22.16	22.30	22.21	23.5	0.5
100	PI/2 BPSK	270	0	22.13	22.21	22.09		
100	QPSK	1	1	22.69	22.87	22.77	24.0	0.0
100	QPSK	1	137	22.61	22.71	22.54		
100	QPSK	1	271	22.67	22.77	22.65		
100	QPSK	135	0	21.87	21.92	21.82	23.0	1.0
100	QPSK	135	69	22.62	22.76	22.69	24.0	0.0
100	QPSK	135	138	21.68	21.79	21.62	23.0	1.0
100	QPSK	270	0	21.69	21.82	21.75		
100	16QAM	1	1	21.69	21.84	21.75	23.0	1.0
100	64QAM	1	1	20.43	20.45	20.27	21.5	2.5
100	256QAM	1	1	18.31	18.38	18.26	19.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.58	22.73	22.71	24.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.61	22.71	22.65	24.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.55	22.83	22.65	24.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.55	22.79	22.60	24.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.57	22.77	22.74	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.62	22.83	22.74	24.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.59	22.75	22.67	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.63	22.74	22.73	24.0	0.0

n41 PC2 for Ant.2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	25.60	25.65	25.53	27.0	0.0
100	PI/2 BPSK	1	137	25.53	25.48	25.44		
100	PI/2 BPSK	1	271	25.55	25.71	25.62		
100	PI/2 BPSK	135	0	24.88	25.06	24.92	26.5	0.5
100	PI/2 BPSK	135	69	25.48	25.53	25.40	27.0	0.0
100	PI/2 BPSK	135	138	25.02	25.03	24.93	26.5	0.5
100	PI/2 BPSK	270	0	25.13	25.21	25.06		
100	QPSK	1	1	25.77	25.85	25.63	27.0	0.0
100	QPSK	1	137	25.62	25.61	25.61		
100	QPSK	1	271	25.45	25.59	25.38		
100	QPSK	135	0	24.64	24.60	24.42	26.0	1.0
100	QPSK	135	69	25.56	25.64	25.57	27.0	0.0
100	QPSK	135	138	24.36	24.53	24.42	26.0	1.0
100	QPSK	270	0	24.49	24.65	24.45		
100	16QAM	1	1	24.75	24.85	24.91	26.0	1.0
100	64QAM	1	1	23.10	23.14	23.03	24.5	2.5
100	256QAM	1	1	20.93	21.07	21.04	22.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	25.67	25.80	25.60	27.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	25.62	25.73	25.48	27.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	25.70	25.70	25.53	27.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	25.54	25.62	25.53	27.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	25.60	25.68	25.57	27.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	25.72	25.74	25.59	27.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	25.67	25.74	25.60	27.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	25.62	25.78	25.49	27.0	0.0

Part27O n77 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	23.41	23.51	23.39	24.0	0.0
100	PI/2 BPSK	1	137	23.37	23.46	23.43		
100	PI/2 BPSK	1	271	23.36	23.44	23.38		
100	PI/2 BPSK	135	0	23.27	23.35	23.28	23.5	0.5
100	PI/2 BPSK	135	69	23.34	23.47	23.43	24.0	0.0
100	PI/2 BPSK	135	138	23.30	23.40	23.33	23.5	0.5
100	PI/2 BPSK	270	0	23.38	23.40	23.35		
100	QPSK	1	1	23.51	23.56	23.38	24.0	0.0
100	QPSK	1	137	23.43	23.51	23.37		
100	QPSK	1	271	23.42	23.44	23.28		
100	QPSK	135	0	22.60	22.70	22.63	23.0	1.0
100	QPSK	135	69	23.30	23.45	23.40	24.0	0.0
100	QPSK	135	138	22.32	22.43	22.27	23.0	1.0
100	QPSK	270	0	22.45	22.48	22.46		
100	16QAM	1	1	22.28	22.42	22.34	23.0	1.0
100	64QAM	1	1	20.85	20.88	20.73	21.5	2.5
100	256QAM	1	1	18.78	18.95	18.82	19.5	4.5
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	23.43	23.45	23.25	24.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	23.40	23.42	23.30	24.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	23.36	23.45	23.30	24.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	23.40	23.50	23.33	24.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	23.36	23.47	23.32	24.0	0.0

Part27O n77 PC2 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	26.61	26.72	26.57	27.0	0.0
100	PI/2 BPSK	1	137	26.56	26.70	26.65		
100	PI/2 BPSK	1	271	26.56	26.61	26.47		
100	PI/2 BPSK	135	0	26.14	26.19	26.15	26.5	0.5
100	PI/2 BPSK	135	69	26.67	26.75	26.67	27.0	0.0
100	PI/2 BPSK	135	138	26.10	26.20	26.06	26.5	0.5
100	PI/2 BPSK	270	0	26.02	26.12	26.02		
100	QPSK	1	1	26.63	26.78	26.72	27.0	0.0
100	QPSK	1	137	26.58	26.66	26.52		
100	QPSK	1	271	26.62	26.71	26.61		
100	QPSK	135	0	25.40	25.53	25.48	26.0	1.0
100	QPSK	135	69	26.59	26.66	26.56	27.0	0.0
100	QPSK	135	138	25.67	25.74	25.65	26.0	1.0
100	QPSK	270	0	25.59	25.66	25.61		
100	16QAM	1	1	25.42	25.48	25.44	26.0	1.0
100	64QAM	1	1	23.83	23.97	23.87	24.5	2.5
100	256QAM	1	1	22.21	22.26	22.17	22.5	4.5
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	26.50	26.71	26.57	27.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	26.59	26.65	26.68	27.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	26.59	26.67	26.69	27.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	26.59	26.64	26.67	27.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	26.48	26.72	26.62	27.0	0.0

Part27Q n77 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.40		24.0	0.0
100	PI/2 BPSK	1	137		23.43			
100	PI/2 BPSK	1	271		23.50			
100	PI/2 BPSK	135	0		23.04		23.5	0.5
100	PI/2 BPSK	135	69		23.47		24.0	0.0
100	PI/2 BPSK	135	138		23.13		23.5	0.5
100	PI/2 BPSK	270	0		23.17			
100	QPSK	1	1		23.54		24.0	0.0
100	QPSK	1	137		23.43			
100	QPSK	1	271		23.44			
100	QPSK	135	0		22.57		23.0	1.0
100	QPSK	135	69		23.51		24.0	0.0
100	QPSK	135	138		22.43		23.0	1.0
100	QPSK	270	0		22.57			
100	16QAM	1	1		22.22		23.0	1.0
100	64QAM	1	1		20.67		21.5	2.5
100	256QAM	1	1		18.73		19.5	4.5
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.30	23.49	23.48	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	23.37	23.45	23.38	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.29	23.47	23.42	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	23.28	23.39	23.43	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.36	23.45	23.42	24.0	0.0

Part27Q n77 PC2 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		26.63		27.0	0.0
100	PI/2 BPSK	1	137		26.55			
100	PI/2 BPSK	1	271		26.53			
100	PI/2 BPSK	135	0		26.05		26.5	0.5
100	PI/2 BPSK	135	69		26.48		27.0	0.0
100	PI/2 BPSK	135	138		25.97		26.5	0.5
100	PI/2 BPSK	270	0		25.94			
100	QPSK	1	1		26.65		27.0	0.0
100	QPSK	1	137		26.55			
100	QPSK	1	271		26.52			
100	QPSK	135	0		25.43		26.0	1.0
100	QPSK	135	69		26.45		27.0	0.0
100	QPSK	135	138		25.46		26.0	1.0
100	QPSK	270	0		25.53			
100	16QAM	1	1		25.85		26.0	1.0
100	64QAM	1	1		24.28		24.5	2.5
100	256QAM	1	1		22.16		22.5	4.5
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	26.58	26.60	26.59	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	26.56	26.57	26.62	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	26.56	26.60	26.51	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	26.50	26.55	26.56	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	26.51	26.52	26.58	27.0	0.0

Part27O n78 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		23.41		24.0	0.0
100	PI/2 BPSK	1	137		23.30			
100	PI/2 BPSK	1	271		23.37			
100	PI/2 BPSK	135	0		22.84		23.5	0.5
100	PI/2 BPSK	135	69		23.40		24.0	0.0
100	PI/2 BPSK	135	138		23.06		23.5	0.5
100	PI/2 BPSK	270	0		22.92			
100	QPSK	1	1		23.47		24.0	0.0
100	QPSK	1	137		23.33			
100	QPSK	1	271		23.42			
100	QPSK	135	0		22.38		23.0	1.0
100	QPSK	135	69		23.44		24.0	0.0
100	QPSK	135	138		22.54		23.0	1.0
100	QPSK	270	0		22.43			
100	16QAM	1	1		22.23		23.0	1.0
100	64QAM	1	1		20.77		21.5	2.5
100	256QAM	1	1		18.82		19.5	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	23.30	23.40	23.24	24.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	23.16	23.43	23.34	24.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	23.21	23.31	23.22	24.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	23.22	23.43	23.28	24.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	23.17	23.41	23.26	24.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	23.23	23.38	23.31	24.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	23.28	23.44	23.25	24.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	23.21	23.44	23.26	24.0	0.0

Part27O n78 PC2 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		26.53		27.0	0.0
100	PI/2 BPSK	1	137		26.49			
100	PI/2 BPSK	1	271		26.28			
100	PI/2 BPSK	135	0		26.15		26.5	0.5
100	PI/2 BPSK	135	69		26.50		27.0	0.0
100	PI/2 BPSK	135	138		26.11		26.5	0.5
100	PI/2 BPSK	270	0		26.05			
100	QPSK	1	1		26.56		27.0	0.0
100	QPSK	1	137		26.51			
100	QPSK	1	271		26.45			
100	QPSK	135	0		25.90		26.0	1.0
100	QPSK	135	69		26.50		27.0	0.0
100	QPSK	135	138		25.54		26.0	1.0
100	QPSK	270	0		25.48			
100	16QAM	1	1		25.43		26.0	1.0
100	64QAM	1	1		23.94		24.5	2.5
100	256QAM	1	1		22.34		22.5	4.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	26.47	26.44	26.52	27.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	26.49	26.46	26.42	27.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	26.50	26.50	26.44	27.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	26.49	26.41	26.46	27.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	26.51	26.45	26.51	27.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	26.52	26.47	26.46	27.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	26.43	26.46	26.43	27.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	26.43	26.50	26.46	27.0	0.0

Part27Q 78 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		23.44		24.0	0.0
100	PI/2 BPSK	1	137		23.31			
100	PI/2 BPSK	1	271		23.48			
100	PI/2 BPSK	135	0		23.07		23.5	0.5
100	PI/2 BPSK	135	69		23.45		24.0	0.0
100	PI/2 BPSK	135	138		23.12		23.5	0.5
100	PI/2 BPSK	270	0		23.19			
100	QPSK	1	1		23.57		24.0	0.0
100	QPSK	1	137		23.45			
100	QPSK	1	271		23.54			
100	QPSK	135	0		22.52		23.0	1.0
100	QPSK	135	69		23.48		24.0	0.0
100	QPSK	135	138		22.66		23.0	1.0
100	QPSK	270	0		22.65			
100	16QAM	1	1		22.31		23.0	1.0
100	64QAM	1	1		20.83		21.5	2.5
100	256QAM	1	1		18.79		19.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	23.31	23.40	23.23	24.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	23.41	23.55	23.35	24.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	23.40	23.47	23.34	24.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	23.37	23.43	23.22	24.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	23.40	23.43	23.29	24.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	23.32	23.51	23.32	24.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	23.29	23.54	23.23	24.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	23.43	23.50	23.30	24.0	0.0

Part27Q 78 PC2 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		26.43		27.0	0.0
100	PI/2 BPSK	1	137		26.52			
100	PI/2 BPSK	1	271		26.56			
100	PI/2 BPSK	135	0		26.05		26.5	0.5
100	PI/2 BPSK	135	69		26.52		27.0	0.0
100	PI/2 BPSK	135	138		26.11		26.5	0.5
100	PI/2 BPSK	270	0		25.92			
100	QPSK	1	1		26.59		27.0	0.0
100	QPSK	1	137		26.55			
100	QPSK	1	271		26.51			
100	QPSK	135	0		25.42		26.0	1.0
100	QPSK	135	69		26.57		27.0	0.0
100	QPSK	135	138		25.38		26.0	1.0
100	QPSK	270	0		25.45			
100	16QAM	1	1		25.51		26.0	1.0
100	64QAM	1	1		24.16		24.5	2.5
100	256QAM	1	1		22.09		22.5	4.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	26.51	26.48	26.54	27.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	26.48	26.46	26.49	27.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	26.45	26.50	26.48	27.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	26.45	26.55	26.46	27.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	26.52	26.53	26.49	27.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	26.56	26.47	26.49	27.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	26.49	26.54	26.51	27.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	26.55	26.50	26.47	27.0	0.0

n41 for Ant.4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	19.63	19.75	19.67	21.0	0.0
100	PI/2 BPSK	1	137	19.74	19.81	19.77		
100	PI/2 BPSK	1	271	19.66	19.79	19.74		
100	PI/2 BPSK	135	0	19.69	19.81	19.74	21.0	0.0
100	PI/2 BPSK	135	69	19.72	19.79	19.66	21.0	0.0
100	PI/2 BPSK	135	138	19.66	19.77	19.70	21.0	0.0
100	PI/2 BPSK	270	0	19.68	19.76	19.67		
100	QPSK	1	1	19.68	19.83	19.72	21.0	0.0
100	QPSK	1	137	19.75	19.79	19.70		
100	QPSK	1	271	19.55	19.69	19.62		
100	QPSK	135	0	19.75	19.81	19.76	21.0	0.0
100	QPSK	135	69	19.59	19.71	19.62	21.0	0.0
100	QPSK	135	138	19.73	19.80	19.72	21.0	0.0
100	QPSK	270	0	19.65	19.77	19.67		
100	16QAM	1	1	19.73	19.79	19.75	21.0	0.0
100	64QAM	1	1	19.74	19.81	19.72	21.0	0.0
100	256QAM	1	1	19.65	19.69	19.61	21.0	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	19.67	19.76	19.63	21.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	19.65	19.80	19.65	21.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	19.68	19.74	19.62	21.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	19.60	19.77	19.60	21.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	19.67	19.75	19.58	21.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	19.61	19.80	19.57	21.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	19.65	19.70	19.67	21.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	19.62	19.71	19.60	21.0	0.0

Par27O n77 for Ant.4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	20.23	20.28	20.20	21.0	0.0
100	PI/2 BPSK	1	137	20.11	20.21	20.12		
100	PI/2 BPSK	1	271	20.04	20.18	20.07		
100	PI/2 BPSK	135	0	20.10	20.17	20.02	21.0	0.0
100	PI/2 BPSK	135	69	20.17	20.29	20.14	21.0	0.0
100	PI/2 BPSK	135	138	20.19	20.24	20.10	21.0	0.0
100	PI/2 BPSK	270	0	20.14	20.18	20.12		
100	QPSK	1	1	20.25	20.30	20.16	21.0	0.0
100	QPSK	1	137	20.22	20.28	20.17		
100	QPSK	1	271	20.20	20.23	20.19		
100	QPSK	135	0	20.18	20.26	20.19	21.0	0.0
100	QPSK	135	69	20.20	20.29	20.14	21.0	0.0
100	QPSK	135	138	20.14	20.24	20.15	21.0	0.0
100	QPSK	270	0	20.13	20.20	20.06		
100	16QAM	1	1	20.14	20.26	20.13	21.0	0.0
100	64QAM	1	1	20.03	20.17	20.13	21.0	0.0
100	256QAM	1	1	18.77	18.86	18.79	19.5	1.5
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.22	20.22	20.04	21.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.13	20.25	20.07	21.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.12	20.17	20.05	21.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.21	20.22	20.02	21.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.12	20.15	20.07	21.0	0.0

Part27Q n77 for Ant.4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.25		21.0	0.0
100	PI/2 BPSK	1	137		20.20			
100	PI/2 BPSK	1	271		20.10			
100	PI/2 BPSK	135	0		20.09		21.0	0.0
100	PI/2 BPSK	135	69		20.21		21.0	0.0
100	PI/2 BPSK	135	138		20.23		21.0	0.0
100	PI/2 BPSK	270	0		20.26			
100	QPSK	1	1		20.28		21.0	0.0
100	QPSK	1	137		20.22			
100	QPSK	1	271		20.19			
100	QPSK	135	0		20.23		21.0	0.0
100	QPSK	135	69		20.26		21.0	0.0
100	QPSK	135	138		20.16		21.0	0.0
100	QPSK	270	0		20.21			
100	16QAM	1	1		20.20		21.0	0.0
100	64QAM	1	1		20.22		21.0	0.0
100	256QAM	1	1		18.78		19.5	1.5
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.14	20.20	20.21	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.24	20.23	20.16	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.22	20.17	20.20	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.16	20.19	20.21	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.15	20.13	20.24	21.0	0.0

Part27O n78 for Ant.4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		20.20		21.0	0.0
100	PI/2 BPSK	1	137		20.11			
100	PI/2 BPSK	1	271		20.19			
100	PI/2 BPSK	135	0		20.12		21.0	0.0
100	PI/2 BPSK	135	69		20.24		21.0	0.0
100	PI/2 BPSK	135	138		20.09		21.0	0.0
100	PI/2 BPSK	270	0		20.21			
100	QPSK	1	1		20.09		21.0	0.0
100	QPSK	1	137		20.25			
100	QPSK	1	271		20.12			
100	QPSK	135	0		20.16		21.0	0.0
100	QPSK	135	69		20.19		21.0	0.0
100	QPSK	135	138		20.12		21.0	0.0
100	QPSK	270	0		20.17			
100	16QAM	1	1		20.20		21.0	0.0
100	64QAM	1	1		20.11		21.0	0.0
100	256QAM	1	1		18.84		19.5	1.5
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	20.14	20.09	20.18	21.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	20.17	20.17	20.17	21.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	20.16	20.09	20.11	21.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	20.15	20.11	20.08	21.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	20.14	20.16	20.14	21.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	20.13	20.14	20.11	21.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	20.10	20.17	20.14	21.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	20.07	20.15	20.12	21.0	0.0

Part27Q 78 for Ant.4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.02		21.0	0.0
100	PI/2 BPSK	1	137		19.98			
100	PI/2 BPSK	1	271		20.09			
100	PI/2 BPSK	135	0		19.97		21.0	0.0
100	PI/2 BPSK	135	69		20.04		21.0	0.0
100	PI/2 BPSK	135	138		19.83		21.0	0.0
100	PI/2 BPSK	270	0		19.81			
100	QPSK	1	1		20.15		21.0	0.0
100	QPSK	1	137		19.96			
100	QPSK	1	271		19.89			
100	QPSK	135	0		19.99		21.0	0.0
100	QPSK	135	69		19.88		21.0	0.0
100	QPSK	135	138		19.95		21.0	0.0
100	QPSK	270	0		20.07			
100	16QAM	1	1		20.05		21.0	0.0
100	64QAM	1	1		19.93		21.0	0.0
100	256QAM	1	1		18.54		19.5	1.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	20.11	20.06	20.11	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.05	20.07	20.05	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.02	20.04	20.01	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.00	20.06	20.02	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	20.09	20.09	20.05	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.03	20.08	20.11	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.02	20.08	20.03	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.08	20.05	20.04	21.0	0.0

n41 for Ant.5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	20.08	20.12	19.71	21.0	0.0
100	PI/2 BPSK	1	137	20.08	20.20	19.82		
100	PI/2 BPSK	1	271	20.04	20.15	19.71		
100	PI/2 BPSK	135	0	19.97	20.03	19.64	21.0	0.0
100	PI/2 BPSK	135	69	20.13	20.18	19.83	21.0	0.0
100	PI/2 BPSK	135	138	19.88	19.98	19.65	21.0	0.0
100	PI/2 BPSK	270	0	19.71	19.86	19.59		
100	QPSK	1	1	20.18	20.23	19.88	21.0	0.0
100	QPSK	1	137	20.13	20.20	19.78		
100	QPSK	1	271	20.02	20.15	19.71		
100	QPSK	135	0	20.01	20.06	19.67	21.0	0.0
100	QPSK	135	69	20.06	20.21	19.77	21.0	0.0
100	QPSK	135	138	19.97	20.11	19.74	21.0	0.0
100	QPSK	270	0	20.03	20.18	19.73		
100	16QAM	1	1	19.92	20.06	19.68	21.0	0.0
100	64QAM	1	1	19.80	19.95	19.60	21.0	0.0
100	256QAM	1	1	19.81	19.88	19.62	21.0	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	20.05	20.09	19.77	21.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	20.04	20.18	19.74	21.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	20.08	20.17	19.80	21.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	20.13	20.09	19.84	21.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	20.10	20.08	19.83	21.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	20.03	20.15	19.78	21.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	20.08	20.18	19.81	21.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	20.14	20.16	19.84	21.0	0.0

Part27O n77 for Ant.5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1		20.38		21.0	0.0
100	PI/2 BPSK	1	137		20.41			
100	PI/2 BPSK	1	271		20.32			
100	PI/2 BPSK	135	0		20.36		21.0	0.0
100	PI/2 BPSK	135	69		20.42		21.0	0.0
100	PI/2 BPSK	135	138		20.36		21.0	0.0
100	PI/2 BPSK	270	0		20.41			
100	QPSK	1	1		20.43		21.0	0.0
100	QPSK	1	137		20.33			
100	QPSK	1	271		20.34			
100	QPSK	135	0		20.41		21.0	0.0
100	QPSK	135	69		20.43		21.0	0.0
100	QPSK	135	138		20.38		21.0	0.0
100	QPSK	270	0		20.35			
100	16QAM	1	1		20.17		21.0	0.0
100	64QAM	1	1		19.39		20.0	1.0
100	256QAM	1	1		17.56		18.0	3.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	20.40	20.39	20.32	21.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	20.39	20.37	20.28	21.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	20.30	20.37	20.28	21.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	20.32	20.38	20.33	21.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	20.36	20.35	20.29	21.0	0.0

Part27Q n77 for Ant.5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		19.93		21.0	0.0
100	PI/2 BPSK	1	137		19.88			
100	PI/2 BPSK	1	271		19.93			
100	PI/2 BPSK	135	0		19.93		21.0	0.0
100	PI/2 BPSK	135	69		19.94		21.0	0.0
100	PI/2 BPSK	135	138		19.98		21.0	0.0
100	PI/2 BPSK	270	0		19.96			
100	QPSK	1	1		20.03		21.0	0.0
100	QPSK	1	137		19.95			
100	QPSK	1	271		19.93			
100	QPSK	135	0		19.88		21.0	0.0
100	QPSK	135	69		19.96		21.0	0.0
100	QPSK	135	138		19.93		21.0	0.0
100	QPSK	270	0		19.98			
100	16QAM	1	1		19.84		21.0	0.0
100	64QAM	1	1		18.61		19.5	1.5
100	256QAM	1	1		16.83		17.5	3.5
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	19.91	19.90	19.93	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	19.98	19.97	19.89	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	19.89	19.95	19.95	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	19.96	19.90	19.98	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	19.99	19.95	19.91	21.0	0.0

Part27O n78 for Ant.5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		20.17		21.0	0.0
100	PI/2 BPSK	1	137		20.13			
100	PI/2 BPSK	1	271		20.02			
100	PI/2 BPSK	135	0		20.15		21.0	0.0
100	PI/2 BPSK	135	69		20.24		21.0	0.0
100	PI/2 BPSK	135	138		20.11		21.0	0.0
100	PI/2 BPSK	270	0		20.08			
100	QPSK	1	1		20.27		21.0	0.0
100	QPSK	1	137		20.13			
100	QPSK	1	271		20.22			
100	QPSK	135	0		20.16		21.0	0.0
100	QPSK	135	69		20.25		21.0	0.0
100	QPSK	135	138		20.20		21.0	0.0
100	QPSK	270	0		20.19			
100	16QAM	1	1		20.11		21.0	0.0
100	64QAM	1	1		19.24		20.0	1.0
100	256QAM	1	1		17.32		18.0	3.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	20.22	20.24	20.15	21.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	20.16	20.19	20.15	21.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	20.15	20.23	20.17	21.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	20.19	20.15	20.22	21.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	20.15	20.15	20.23	21.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	20.17	20.14	20.17	21.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	20.20	20.17	20.23	21.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	20.20	20.23	20.14	21.0	0.0

Part27Q 78 for Ant.5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		20.04		21.0	0.0
100	PI/2 BPSK	1	137		19.95			
100	PI/2 BPSK	1	271		19.83			
100	PI/2 BPSK	135	0		19.91		21.0	0.0
100	PI/2 BPSK	135	69		20.06		21.0	0.0
100	PI/2 BPSK	135	138		20.00		21.0	0.0
100	PI/2 BPSK	270	0		20.02			
100	QPSK	1	1		20.12		21.0	0.0
100	QPSK	1	137		19.96			
100	QPSK	1	271		20.09			
100	QPSK	135	0		19.78		21.0	0.0
100	QPSK	135	69		19.97		21.0	0.0
100	QPSK	135	138		19.85		21.0	0.0
100	QPSK	270	0		19.90			
100	16QAM	1	1		19.84		21.0	0.0
100	64QAM	1	1		18.36		19.5	1.5
100	256QAM	1	1		16.54		17.5	3.5
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	19.98	20.07	19.98	21.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	20.04	20.00	20.01	21.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	20.00	20.06	20.08	21.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	20.01	19.99	20.01	21.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	19.97	19.97	20.02	21.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	20.04	20.06	20.03	21.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	20.06	20.06	20.06	21.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	20.09	19.97	20.08	21.0	0.0

Default Power for Ant3 sensor on

Par27O n77 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	18.29	18.47	18.39	19.0	0.0
100	PI/2 BPSK	1	137	18.40	18.43	18.31		
100	PI/2 BPSK	1	271	18.52	18.50	18.37		
100	PI/2 BPSK	135	0	18.34	18.37	18.26	19.0	0.0
100	PI/2 BPSK	135	69	18.35	18.52	18.36	19.0	0.0
100	PI/2 BPSK	135	138	18.32	18.43	18.36	19.0	0.0
100	PI/2 BPSK	270	0	18.33	18.44	18.24		
100	QPSK	1	1	18.45	18.58	18.49	19.0	0.0
100	QPSK	1	137	18.19	18.40	18.32		
100	QPSK	1	271	18.14	18.34	18.23		
100	QPSK	135	0	18.39	18.39	18.23	19.0	0.0
100	QPSK	135	69	18.44	18.45	18.44	19.0	0.0
100	QPSK	135	138	18.24	18.42	18.37	19.0	0.0
100	QPSK	270	0	18.28	18.40	18.29		
100	16QAM	1	1	18.06	18.24	18.16	19.0	0.0
100	64QAM	1	1	18.43	18.44	18.36	19.0	0.0
100	256QAM	1	1	18.30	18.39	18.27	19.0	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	18.38	18.41	18.40	19.0	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	18.42	18.53	18.33	19.0	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	18.46	18.60	18.47	19.0	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	18.39	18.43	18.38	19.0	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	18.37	18.42	18.45	19.0	0.0

Part27Q n77 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.41		19.0	0.0
100	PI/2 BPSK	1	137		18.28			
100	PI/2 BPSK	1	271		18.37			
100	PI/2 BPSK	135	0		18.23		19.0	0.0
100	PI/2 BPSK	135	69		18.39		19.0	0.0
100	PI/2 BPSK	135	138		18.30		19.0	0.0
100	PI/2 BPSK	270	0		18.32			
100	QPSK	1	1		18.46		19.0	0.0
100	QPSK	1	137		18.26			
100	QPSK	1	271		18.38			
100	QPSK	135	0		18.25		19.0	0.0
100	QPSK	135	69		18.31		19.0	0.0
100	QPSK	135	138		18.28		19.0	0.0
100	QPSK	270	0		18.33			
100	16QAM	1	1		18.24		19.0	0.0
100	64QAM	1	1		18.27		19.0	0.0
100	256QAM	1	1		18.38		19.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.29	18.26	18.41	19.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.37	18.43	18.36	19.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.29	18.41	18.39	19.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.25	18.35	18.44	19.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.34	18.31	18.32	19.0	0.0

Part27O n78 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		18.24		19.0	0.0
100	PI/2 BPSK	1	137		18.30			
100	PI/2 BPSK	1	271		18.38			
100	PI/2 BPSK	135	0		18.28		19.0	0.0
100	PI/2 BPSK	135	69		18.37		19.0	0.0
100	PI/2 BPSK	135	138		18.23		19.0	0.0
100	PI/2 BPSK	270	0		18.26			
100	QPSK	1	1		18.39		19.0	0.0
100	QPSK	1	137		18.29			
100	QPSK	1	271		18.33			
100	QPSK	135	0		18.19		19.0	0.0
100	QPSK	135	69		18.35		19.0	0.0
100	QPSK	135	138		18.30		19.0	0.0
100	QPSK	270	0		18.28			
100	16QAM	1	1		18.38		19.0	0.0
100	64QAM	1	1		18.33		19.0	0.0
100	256QAM	1	1		18.28		19.0	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	18.33	18.22	18.20	19.0	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	18.32	18.22	18.12	19.0	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	18.29	18.15	18.31	19.0	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	18.16	18.17	18.21	19.0	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	18.15	18.27	18.35	19.0	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	18.28	18.33	18.31	19.0	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	18.34	18.16	18.34	19.0	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	18.13	18.24	18.34	19.0	0.0

Part27Q 78 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		18.36		19.0	0.0
100	PI/2 BPSK	1	137		18.22			
100	PI/2 BPSK	1	271		18.31			
100	PI/2 BPSK	135	0		18.28		19.0	0.0
100	PI/2 BPSK	135	69		18.36		19.0	0.0
100	PI/2 BPSK	135	138		18.27		19.0	0.0
100	PI/2 BPSK	270	0		18.31			
100	QPSK	1	1		18.47		19.0	0.0
100	QPSK	1	137		18.38			
100	QPSK	1	271		18.44			
100	QPSK	135	0		18.32		19.0	0.0
100	QPSK	135	69		18.39		19.0	0.0
100	QPSK	135	138		18.30		19.0	0.0
100	QPSK	270	0		18.28			
100	16QAM	1	1		18.31		19.0	0.0
100	64QAM	1	1		18.37		19.0	0.0
100	256QAM	1	1		18.43		19.0	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	18.29	18.36	18.23	19.0	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	18.43	18.32	18.28	19.0	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	18.42	18.24	18.25	19.0	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	18.29	18.36	18.28	19.0	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	18.25	18.23	18.43	19.0	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	18.21	18.26	18.34	19.0	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	18.38	18.38	18.21	19.0	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	18.28	18.41	18.29	19.0	0.0

Reduced Power Mode for DSI 0

n2 for Ant.0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	21.93	22.05	22.00	23.0	0.0
20	PI/2 BPSK	1	53	21.94	22.01	22.06		
20	PI/2 BPSK	1	104	21.80	21.98	21.80		
20	PI/2 BPSK	50	0	21.46	21.59	21.44	23.0	0.0
20	PI/2 BPSK	50	28	21.99	21.98	21.91	23.0	0.0
20	PI/2 BPSK	50	56	21.39	21.58	21.54	23.0	0.0
20	PI/2 BPSK	100	0	21.30	21.51	21.34		
20	QPSK	1	1	22.07	22.13	22.08	23.0	0.0
20	QPSK	1	53	22.06	22.10	21.98		
20	QPSK	1	104	21.93	22.01	21.80		
20	QPSK	50	0	22.02	22.00	21.99	23.0	0.0
20	QPSK	50	28	22.03	22.06	21.98	23.0	0.0
20	QPSK	50	56	21.99	21.92	21.98	23.0	0.0
20	QPSK	100	0	22.00	22.03	22.01		
20	16QAM	1	1	21.92	22.04	22.05	23.0	0.0
20	64QAM	1	1	21.39	21.60	21.46	22.5	0.5
20	256QAM	1	1	19.55	19.72	19.53	20.5	2.5
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	22.01	21.95	21.91	23.0	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	21.91	21.97	21.98	23.0	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	21.87	21.99	22.03	23.0	0.0

n5 for Ant.0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	23.93	24.01	23.98	25.0	0.0
20	PI/2 BPSK	1	53	23.86	23.99	23.86		
20	PI/2 BPSK	1	104	23.84	24.04	23.97		
20	PI/2 BPSK	50	0	23.08	23.29	23.17	24.5	0.5
20	PI/2 BPSK	50	28	23.83	23.92	23.89	25.0	0.0
20	PI/2 BPSK	50	56	23.38	23.56	23.28	24.5	0.5
20	PI/2 BPSK	100	0	23.23	23.37	23.28		
20	QPSK	1	1	23.98	24.07	24.05	25.0	0.0
20	QPSK	1	53	23.96	24.06	23.96		
20	QPSK	1	104	23.83	23.92	23.90		
20	QPSK	50	0	22.57	22.68	22.71	24.0	1.0
20	QPSK	50	28	23.77	23.91	23.87	25.0	0.0
20	QPSK	50	56	22.91	23.03	22.91	24.0	1.0
20	QPSK	100	0	22.77	22.92	22.74		
20	16QAM	1	1	22.34	22.43	22.24	24.0	1.0
20	64QAM	1	1	20.81	20.94	20.84	22.5	2.5
20	256QAM	1	1	19.02	19.15	19.12	20.5	4.5
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	23.83	24.04	23.94	25.0	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	23.82	24.03	23.91	25.0	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	23.83	24.00	24.02	25.0	0.0

n7 for Ant.0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	23.45	23.50	23.48	24.0	0.0
50	PI/2 BPSK	1	135	23.21	23.40	23.39		
50	PI/2 BPSK	1	268	23.28	23.50	23.23		
50	PI/2 BPSK	135	0	22.48	22.79	22.64	23.5	0.5
50	PI/2 BPSK	135	68	23.20	23.45	23.43	24.0	0.0
50	PI/2 BPSK	135	135	22.83	22.98	22.93	23.5	0.5
50	PI/2 BPSK	270	0	22.75	22.83	22.78		
50	QPSK	1	1	23.48	23.58	23.51	24.0	0.0
50	QPSK	1	135	23.20	23.44	23.34		
50	QPSK	1	268	23.43	23.56	23.50		
50	QPSK	135	0	22.12	22.22	22.04	24.0	0.0
50	QPSK	135	68	23.32	23.43	23.29	24.0	0.0
50	QPSK	135	135	22.44	22.62	22.45	23.0	1.0
50	QPSK	270	0	22.26	22.47	22.34		
50	16QAM	1	1	22.19	22.26	22.20	23.0	1.0
50	64QAM	1	1	20.64	20.68	20.58	21.5	2.5
50	256QAM	1	1	18.78	18.88	18.88	19.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	23.45	23.50	23.34	24.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	23.31	23.43	23.45	24.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	23.37	23.50	23.34	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	23.33	23.46	23.38	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	23.35	23.47	23.49	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	23.36	23.55	23.43	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	23.35	23.52	23.34	24.0	0.0

n66 for Ant.0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	20.97	20.99	21.03	22.0	0.0
30	PI/2 BPSK	1	80	20.95	21.07	20.93		
30	PI/2 BPSK	1	158	20.80	20.99	20.86		
30	PI/2 BPSK	80	0	20.29	20.47	20.26	22.0	0.0
30	PI/2 BPSK	80	40	20.83	21.03	20.97	22.0	0.0
30	PI/2 BPSK	80	80	20.57	20.66	20.56	22.0	0.0
30	PI/2 BPSK	160	0	20.52	20.63	20.50		
30	QPSK	1	1	21.08	21.18	21.10	22.0	0.0
30	QPSK	1	80	21.00	21.13	21.09		
30	QPSK	1	158	21.04	20.97	20.85		
30	QPSK	80	0	20.84	20.92	20.75	22.0	0.0
30	QPSK	80	40	21.06	21.16	21.08	22.0	0.0
30	QPSK	80	80	20.86	20.92	20.98	22.0	0.0
30	QPSK	160	0	20.98	21.01	20.94		
30	16QAM	1	1	20.82	20.86	20.89	22.0	0.0
30	64QAM	1	1	20.31	20.45	20.39	21.5	0.5
30	256QAM	1	1	18.55	18.64	18.56	19.5	2.5
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	20.95	20.99	21.05	22.0	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	21.03	21.14	20.98	22.0	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	21.05	21.13	21.03	22.0	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	20.93	21.10	21.05	22.0	0.0

n38 for Ant.0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	22.57	22.49	22.37	23.5	0.0
40	PI/2 BPSK	1	53	22.45	22.51	22.37		
40	PI/2 BPSK	1	104	22.58	22.59	22.48		
40	PI/2 BPSK	50	0	21.94	22.10	21.98	23.0	0.5
40	PI/2 BPSK	50	28	22.38	22.56	22.54	23.5	0.0
40	PI/2 BPSK	50	56	22.10	22.14	22.02	23.0	0.5
40	PI/2 BPSK	100	0	21.94	22.10	21.89		
40	QPSK	1	1	22.49	22.65	22.53	23.5	0.0
40	QPSK	1	53	22.41	22.54	22.47		
40	QPSK	1	104	22.43	22.52	22.60		
40	QPSK	50	0	21.54	21.59	21.57	22.5	1.0
40	QPSK	50	28	22.53	22.54	22.39	23.5	0.0
40	QPSK	50	56	21.69	21.62	21.53	22.5	1.0
40	QPSK	100	0	21.39	21.55	21.44		
40	16QAM	1	1	21.46	21.55	21.44	22.5	1.0
40	64QAM	1	1	19.88	19.98	19.84	21.0	2.5
40	256QAM	1	1	18.04	18.19	18.09	19.0	4.5
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	22.33	22.57	22.46	23.5	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	22.46	22.48	22.51	23.5	0.0

n7 for Ant.2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	22.73	22.73	22.59	24.0	0.0
50	PI/2 BPSK	1	135	22.56	22.73	22.64		
50	PI/2 BPSK	1	268	22.74	22.72	22.70		
50	PI/2 BPSK	135	0	21.99	22.16	22.13	23.5	0.5
50	PI/2 BPSK	135	68	22.52	22.69	22.59	24.0	0.0
50	PI/2 BPSK	135	135	22.25	22.35	22.21	23.5	0.5
50	PI/2 BPSK	270	0	22.16	22.24	21.98		
50	QPSK	1	1	22.73	22.86	22.78	24.0	0.0
50	QPSK	1	135	22.57	22.79	22.68		
50	QPSK	1	268	22.52	22.69	22.71		
50	QPSK	135	0	21.54	21.64	21.44	23.0	1.0
50	QPSK	135	68	22.67	22.68	22.56	24.0	0.0
50	QPSK	135	135	21.52	21.62	21.50	23.0	1.0
50	QPSK	270	0	21.71	21.80	21.61		
50	16QAM	1	1	21.96	21.94	21.83	23.0	1.0
50	64QAM	1	1	20.28	20.33	20.29	21.5	2.5
50	256QAM	1	1	18.37	18.34	18.23	19.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	22.59	22.68	22.66	24.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.67	22.82	22.70	24.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.55	22.72	22.70	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	22.71	22.75	22.69	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.63	22.77	22.63	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.64	22.76	22.64	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.62	22.80	22.68	24.0	0.0

n41 for Ant.2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.67	22.79	22.69	24.0	0.0
100	PI/2 BPSK	1	137	22.55	22.65	22.52		
100	PI/2 BPSK	1	271	22.69	22.73	22.62		
100	PI/2 BPSK	135	0	22.29	22.38	22.33	23.5	0.5
100	PI/2 BPSK	135	69	22.62	22.69	22.51	24.0	0.0
100	PI/2 BPSK	135	138	22.16	22.30	22.21	23.5	0.5
100	PI/2 BPSK	270	0	22.13	22.21	22.09		
100	QPSK	1	1	22.69	22.87	22.77	24.0	0.0
100	QPSK	1	137	22.61	22.71	22.54		
100	QPSK	1	271	22.67	22.77	22.65		
100	QPSK	135	0	21.87	21.92	21.82	23.0	1.0
100	QPSK	135	69	22.62	22.76	22.69	24.0	0.0
100	QPSK	135	138	21.68	21.79	21.62	23.0	1.0
100	QPSK	270	0	21.69	21.82	21.75		
100	16QAM	1	1	21.69	21.84	21.75	23.0	1.0
100	64QAM	1	1	20.43	20.45	20.27	21.5	2.5
100	256QAM	1	1	18.31	18.38	18.26	19.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.58	22.73	22.71	24.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.61	22.71	22.65	24.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.55	22.83	22.65	24.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.55	22.79	22.60	24.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.57	22.77	22.74	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.62	22.83	22.74	24.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.59	22.75	22.67	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.63	22.74	22.73	24.0	0.0

n41 PC2 for Ant.2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	25.60	25.65	25.53	27.0	0.0
100	PI/2 BPSK	1	137	25.53	25.48	25.44		
100	PI/2 BPSK	1	271	25.55	25.71	25.62		
100	PI/2 BPSK	135	0	24.88	25.06	24.92	26.5	0.5
100	PI/2 BPSK	135	69	25.48	25.53	25.40	27.0	0.0
100	PI/2 BPSK	135	138	25.02	25.03	24.93	26.5	0.5
100	PI/2 BPSK	270	0	25.13	25.21	25.06		
100	QPSK	1	1	25.77	25.85	25.63	27.0	0.0
100	QPSK	1	137	25.62	25.61	25.61		
100	QPSK	1	271	25.45	25.59	25.38		
100	QPSK	135	0	24.64	24.60	24.42	26.0	1.0
100	QPSK	135	69	25.56	25.64	25.57	27.0	0.0
100	QPSK	135	138	24.36	24.53	24.42	26.0	1.0
100	QPSK	270	0	24.49	24.65	24.45		
100	16QAM	1	1	24.75	24.85	24.91	26.0	1.0
100	64QAM	1	1	23.10	23.14	23.03	24.5	2.5
100	256QAM	1	1	20.93	21.07	21.04	22.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	25.67	25.80	25.60	27.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	25.62	25.73	25.48	27.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	25.70	25.70	25.53	27.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	25.54	25.62	25.53	27.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	25.60	25.68	25.57	27.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	25.72	25.74	25.59	27.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	25.67	25.74	25.60	27.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	25.62	25.78	25.49	27.0	0.0

n41 for Ant.1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	12.71	12.81	12.78	13.6	0.0
100	PI/2 BPSK	1	137	12.75	12.90	12.85		
100	PI/2 BPSK	1	271	12.76	12.86	12.73		
100	PI/2 BPSK	135	0	12.71	12.85	12.77	13.6	0.0
100	PI/2 BPSK	135	69	12.86	12.91	12.83	13.6	0.0
100	PI/2 BPSK	135	138	12.68	12.75	12.58	13.6	0.0
100	PI/2 BPSK	270	0	12.84	12.93	12.88		
100	QPSK	1	1	12.88	12.93	12.81	13.6	0.0
100	QPSK	1	137	12.84	12.90	12.80		
100	QPSK	1	271	12.76	12.87	12.71		
100	QPSK	135	0	12.78	12.86	12.77	13.6	0.0
100	QPSK	135	69	12.81	12.91	12.78	13.6	0.0
100	QPSK	135	138	12.82	12.86	12.75	13.6	0.0
100	QPSK	270	0	12.79	12.89	12.76		
100	16QAM	1	1	12.67	12.80	12.75	13.6	0.0
100	64QAM	1	1	12.81	12.92	12.82	13.6	0.0
100	256QAM	1	1	12.76	12.84	12.72	13.6	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	12.83	12.79	12.69	13.6	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	12.73	12.87	12.63	13.6	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	12.78	12.90	12.78	13.6	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	12.77	12.84	12.70	13.6	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	12.80	12.86	12.71	13.6	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	12.85	12.76	12.71	13.6	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	12.83	12.83	12.75	13.6	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	12.75	12.84	12.78	13.6	0.0

Part27O n77 for Ant.1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	12.61	12.67	12.56	13.5	0.0
100	PI/2 BPSK	1	137	12.67	12.77	12.70		
100	PI/2 BPSK	1	271	12.73	12.79	12.71		
100	PI/2 BPSK	135	0	12.72	12.75	12.62	13.5	0.0
100	PI/2 BPSK	135	69	12.56	12.73	12.59	13.5	0.0
100	PI/2 BPSK	135	138	12.57	12.68	12.60	13.5	0.0
100	PI/2 BPSK	270	0	12.61	12.75	12.68		
100	QPSK	1	1	12.87	12.89	12.73	13.5	0.0
100	QPSK	1	137	12.67	12.81	12.68		
100	QPSK	1	271	12.47	12.59	12.53		
100	QPSK	135	0	12.65	12.74	12.70	13.5	0.0
100	QPSK	135	69	12.68	12.79	12.63	13.5	0.0
100	QPSK	135	138	12.48	12.59	12.53	13.5	0.0
100	QPSK	270	0	12.72	12.76	12.58		
100	16QAM	1	1	12.51	12.57	12.49	13.5	0.0
100	64QAM	1	1	12.57	12.75	12.71	13.5	0.0
100	256QAM	1	1	12.63	12.70	12.54	13.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	12.72	12.81	12.66	13.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	12.84	12.84	12.55	13.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	12.77	12.86	12.63	13.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	12.73	12.83	12.68	13.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	12.85	12.76	12.64	13.5	0.0

Part27Q n77 for Ant.1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		11.86		13.5	0.0
100	PI/2 BPSK	1	137		12.08			
100	PI/2 BPSK	1	271		11.94			
100	PI/2 BPSK	135	0		11.92		13.5	0.0
100	PI/2 BPSK	135	69		11.98		13.5	0.0
100	PI/2 BPSK	135	138		11.98		13.5	0.0
100	PI/2 BPSK	270	0		12.01			
100	QPSK	1	1		12.16		13.5	0.0
100	QPSK	1	137		11.95			
100	QPSK	1	271		12.11			
100	QPSK	135	0		11.91		13.5	0.0
100	QPSK	135	69		12.03		13.5	0.0
100	QPSK	135	138		11.89		13.5	0.0
100	QPSK	270	0		11.96			
100	16QAM	1	1		11.84		13.5	0.0
100	64QAM	1	1		11.99		13.5	0.0
100	256QAM	1	1		11.93		13.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.12	12.03	11.99	13.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	11.99	12.07	12.11	13.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.05	12.08	12.10	13.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.00	12.00	11.98	13.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.03	12.12	12.14	13.5	0.0

Part27O n78 for Ant.1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		12.83		13.5	0.0
100	PI/2 BPSK	1	137		12.76			
100	PI/2 BPSK	1	271		12.78			
100	PI/2 BPSK	135	0		12.68		13.5	0.0
100	PI/2 BPSK	135	69		12.79		13.5	0.0
100	PI/2 BPSK	135	138		12.74		13.5	0.0
100	PI/2 BPSK	270	0		12.71			
100	QPSK	1	1		12.86		13.5	0.0
100	QPSK	1	137		12.71			
100	QPSK	1	271		12.80			
100	QPSK	135	0		12.77		13.5	0.0
100	QPSK	135	69		12.82		13.5	0.0
100	QPSK	135	138		12.71		13.5	0.0
100	QPSK	270	0		12.75			
100	16QAM	1	1		12.41		13.5	0.0
100	64QAM	1	1		12.62		13.5	0.0
100	256QAM	1	1		12.60		13.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	12.77	12.69	12.78	13.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	12.83	12.68	12.81	13.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	12.72	12.76	12.73	13.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	12.74	12.78	12.75	13.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	12.76	12.84	12.72	13.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	12.71	12.72	12.84	13.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	12.78	12.70	12.69	13.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	12.75	12.79	12.80	13.5	0.0

Part27Q 78 for Ant.1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		12.12		13.5	0.0
100	PI/2 BPSK	1	137		12.10			
100	PI/2 BPSK	1	271		12.06			
100	PI/2 BPSK	135	0		11.88		13.5	0.0
100	PI/2 BPSK	135	69		11.94		13.5	0.0
100	PI/2 BPSK	135	138		11.97		13.5	0.0
100	PI/2 BPSK	270	0		11.90			
100	QPSK	1	1		12.17		13.5	0.0
100	QPSK	1	137		12.04			
100	QPSK	1	271		12.08			
100	QPSK	135	0		11.88		13.5	0.0
100	QPSK	135	69		12.05		13.5	0.0
100	QPSK	135	138		11.95		13.5	0.0
100	QPSK	270	0		11.97			
100	16QAM	1	1		11.85		13.5	0.0
100	64QAM	1	1		11.77		13.5	0.0
100	256QAM	1	1		11.95		13.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	12.01	12.06	12.08	13.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.11	12.08	12.01	13.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	12.02	12.14	12.08	13.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	12.06	12.09	12.07	13.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	12.00	12.10	12.15	13.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.06	12.10	12.08	13.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.12	12.07	12.09	13.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.14	12.10	12.06	13.5	0.0

Part27O n77 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.74	21.78	21.72	22.9	0.0
100	PI/2 BPSK	1	137	21.65	21.71	21.78		
100	PI/2 BPSK	1	271	21.71	21.78	21.69		
100	PI/2 BPSK	135	0	21.52	21.71	21.60	22.9	0.0
100	PI/2 BPSK	135	69	21.62	21.75	21.74	22.9	0.0
100	PI/2 BPSK	135	138	21.59	21.72	21.68	22.9	0.0
100	PI/2 BPSK	270	0	21.71	21.75	21.69		
100	QPSK	1	1	21.78	21.88	21.68	22.9	0.0
100	QPSK	1	137	21.73	21.84	21.66		
100	QPSK	1	271	21.71	21.71	21.55		
100	QPSK	135	0	21.68	21.73	21.75	22.9	0.0
100	QPSK	135	69	21.60	21.83	21.73	22.9	0.0
100	QPSK	135	138	21.48	21.54	21.37	22.9	0.0
100	QPSK	270	0	21.54	21.58	21.57		
100	16QAM	1	1	21.42	21.52	21.44	22.9	0.0
100	64QAM	1	1	20.76	20.73	20.75	21.5	1.4
100	256QAM	1	1	19.15	18.98	19.10	19.5	3.4
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	21.36	21.38	21.30	22.9	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	21.28	21.34	21.15	22.9	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	21.29	21.37	21.16	22.9	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	21.35	21.35	21.22	22.9	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	21.33	21.36	21.21	22.9	0.0

Part27O n77 PC2 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.75	21.85	21.68	22.9	0.0
100	PI/2 BPSK	1	137	21.64	21.81	21.73		
100	PI/2 BPSK	1	271	21.70	21.71	21.60		
100	PI/2 BPSK	135	0	21.26	21.33	21.24	22.9	0.0
100	PI/2 BPSK	135	69	21.80	21.82	21.77	22.9	0.0
100	PI/2 BPSK	135	138	21.21	21.31	21.13	22.9	0.0
100	PI/2 BPSK	270	0	21.15	21.25	21.11		
100	QPSK	1	1	21.75	21.90	21.82	22.9	0.0
100	QPSK	1	137	21.71	21.75	21.64		
100	QPSK	1	271	21.70	21.81	21.76		
100	QPSK	135	0	21.77	21.74	21.77	22.9	0.0
100	QPSK	135	69	21.73	21.83	21.60	22.9	0.0
100	QPSK	135	138	21.77	21.78	21.75	22.9	0.0
100	QPSK	270	0	21.65	21.76	21.68		
100	16QAM	1	1	21.73	21.83	21.74	22.9	0.0
100	64QAM	1	1	21.62	21.80	21.65	22.9	0.0
100	256QAM	1	1	21.38	21.50	21.39	22.5	0.4
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	21.60	21.86	21.67	22.9	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	21.69	21.75	21.82	22.9	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	21.68	21.76	21.81	22.9	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	21.67	21.79	21.80	22.9	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	21.56	21.79	21.72	22.9	0.0

Part27Q n77 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.45		22.9	0.0
100	PI/2 BPSK	1	137		21.39			
100	PI/2 BPSK	1	271		21.43			
100	PI/2 BPSK	135	0		21.34		22.9	0.0
100	PI/2 BPSK	135	69		21.46		22.9	0.0
100	PI/2 BPSK	135	138		21.39		22.9	0.0
100	PI/2 BPSK	270	0		21.39			
100	QPSK	1	1		21.52		22.9	0.0
100	QPSK	1	137		21.51			
100	QPSK	1	271		21.39			
100	QPSK	135	0		21.42		22.9	0.0
100	QPSK	135	69		21.50		22.9	0.0
100	QPSK	135	138		21.25		22.9	0.0
100	QPSK	270	0		21.30			
100	16QAM	1	1		21.15		22.9	0.0
100	64QAM	1	1		20.43		21.5	1.4
100	256QAM	1	1		18.67		19.5	3.4
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.36	21.34	21.26	22.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.26	21.29	21.16	22.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.30	21.33	21.10	22.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.36	21.30	21.23	22.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.27	21.33	21.22	22.9	0.0

Part27Q n77 PC2 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.89		22.9	0.0
100	PI/2 BPSK	1	137		21.84			
100	PI/2 BPSK	1	271		21.72			
100	PI/2 BPSK	135	0		21.32		22.9	0.0
100	PI/2 BPSK	135	69		21.89		22.9	0.0
100	PI/2 BPSK	135	138		21.31		22.9	0.0
100	PI/2 BPSK	270	0		21.31			
100	QPSK	1	1		21.90		22.9	0.0
100	QPSK	1	137		21.82			
100	QPSK	1	271		21.82			
100	QPSK	135	0		21.83		21.9	1.0
100	QPSK	135	69		21.78		22.9	0.0
100	QPSK	135	138		21.82		21.9	1.0
100	QPSK	270	0		21.78			
100	16QAM	1	1		21.74		22.9	0.0
100	64QAM	1	1		21.65		22.9	0.0
100	256QAM	1	1		21.49		22.5	0.4
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.67	21.80	21.71	22.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.74	21.76	21.86	22.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.69	21.78	21.83	22.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.67	21.81	21.84	22.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.62	21.80	21.72	22.9	0.0

Part27O n78 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		21.39		22.9	0.0
100	PI/2 BPSK	1	137		21.35			
100	PI/2 BPSK	1	271		21.34			
100	PI/2 BPSK	135	0		21.31		22.9	0.0
100	PI/2 BPSK	135	69		21.40		22.9	0.0
100	PI/2 BPSK	135	138		21.35		22.9	0.0
100	PI/2 BPSK	270	0		21.30			
100	QPSK	1	1		21.50		22.9	0.0
100	QPSK	1	137		21.47			
100	QPSK	1	271		21.33			
100	QPSK	135	0		21.39		22.9	0.0
100	QPSK	135	69		21.46		22.9	0.0
100	QPSK	135	138		21.20		22.9	0.0
100	QPSK	270	0		21.29			
100	16QAM	1	1		21.10		22.9	0.0
100	64QAM	1	1		20.38		21.5	1.4
100	256QAM	1	1		18.65		19.5	3.4
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	21.21	21.31	21.13	22.9	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	21.34	21.29	21.22	22.9	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	21.27	21.32	21.16	22.9	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	21.18	21.23	21.11	22.9	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	21.19	21.32	21.12	22.9	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	21.27	21.31	21.04	22.9	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	21.33	21.22	21.17	22.9	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	21.18	21.26	21.13	22.9	0.0

Part27O n78 PC2 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		21.47		22.9	0.0
100	PI/2 BPSK	1	137		21.52			
100	PI/2 BPSK	1	271		21.39			
100	PI/2 BPSK	135	0		20.99		22.9	0.0
100	PI/2 BPSK	135	69		21.49		22.9	0.0
100	PI/2 BPSK	135	138		21.01		22.9	0.0
100	PI/2 BPSK	270	0		21.03			
100	QPSK	1	1		21.58		22.9	0.0
100	QPSK	1	137		21.50			
100	QPSK	1	271		21.53			
100	QPSK	135	0		21.53		21.9	1.0
100	QPSK	135	69		21.56		22.9	0.0
100	QPSK	135	138		21.54		21.9	1.0
100	QPSK	270	0		21.49			
100	16QAM	1	1		21.46		22.9	0.0
100	64QAM	1	1		21.36		22.9	0.0
100	256QAM	1	1		21.17		22.5	0.4
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	21.31	21.42	21.50	22.9	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	21.35	21.51	21.43	22.9	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	21.32	21.51	21.47	22.9	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	21.42	21.49	21.48	22.9	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	21.38	21.55	21.53	22.9	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	21.42	21.45	21.51	22.9	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	21.34	21.52	21.52	22.9	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	21.33	21.53	21.41	22.9	0.0

Part27Q 78 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.33		22.9	0.0
100	PI/2 BPSK	1	137		21.33			
100	PI/2 BPSK	1	271		21.26			
100	PI/2 BPSK	135	0		21.22		22.9	0.0
100	PI/2 BPSK	135	69		21.36		22.9	0.0
100	PI/2 BPSK	135	138		21.32		22.9	0.0
100	PI/2 BPSK	270	0		21.24			
100	QPSK	1	1		21.47		22.9	0.0
100	QPSK	1	137		21.43			
100	QPSK	1	271		21.29			
100	QPSK	135	0		21.38		21.9	1.0
100	QPSK	135	69		21.42		22.9	0.0
100	QPSK	135	138		21.14		21.9	1.0
100	QPSK	270	0		21.23			
100	16QAM	1	1		21.07		22.9	0.0
100	64QAM	1	1		20.34		21.5	1.4
100	256QAM	1	1		18.63		19.5	3.4
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.28	21.41	21.20	22.9	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.40	21.37	21.32	22.9	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.38	21.46	21.26	22.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.29	21.29	21.22	22.9	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.32	21.38	21.22	22.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.34	21.41	21.16	22.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.45	21.29	21.25	22.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.26	21.33	21.19	22.9	0.0

Part27Q 78 PC2 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.41		22.9	0.0
100	PI/2 BPSK	1	137		21.51			
100	PI/2 BPSK	1	271		21.36			
100	PI/2 BPSK	135	0		20.98		22.9	0.0
100	PI/2 BPSK	135	69		21.46		22.9	0.0
100	PI/2 BPSK	135	138		20.96		22.9	0.0
100	PI/2 BPSK	270	0		20.96			
100	QPSK	1	1		21.54		22.9	0.0
100	QPSK	1	137		21.46			
100	QPSK	1	271		21.47			
100	QPSK	135	0		21.46		21.9	1.0
100	QPSK	135	69		21.48		22.9	0.0
100	QPSK	135	138		21.53		21.9	1.0
100	QPSK	270	0		21.42			
100	16QAM	1	1		21.45		22.9	0.0
100	64QAM	1	1		21.32		22.9	0.0
100	256QAM	1	1		21.12		22.5	0.4
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.26	21.39	21.49	22.9	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.32	21.47	21.42	22.9	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.30	21.51	21.40	22.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.38	21.46	21.41	22.9	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.31	21.49	21.48	22.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.38	21.38	21.44	22.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.33	21.49	21.50	22.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.26	21.49	21.38	22.9	0.0

n41 for Ant.4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	14.71	14.84	14.80	15.7	0.0
100	PI/2 BPSK	1	137	14.89	14.92	14.76		
100	PI/2 BPSK	1	271	14.78	14.81	14.63		
100	PI/2 BPSK	135	0	14.78	14.80	14.68	15.7	0.0
100	PI/2 BPSK	135	69	14.81	14.88	14.78	15.7	0.0
100	PI/2 BPSK	135	138	14.77	14.93	14.73	15.7	0.0
100	PI/2 BPSK	270	0	14.78	14.91	14.86		
100	QPSK	1	1	14.88	14.97	14.91	15.7	0.0
100	QPSK	1	137	14.78	14.90	14.82		
100	QPSK	1	271	14.75	14.82	14.65		
100	QPSK	135	0	14.75	14.80	14.66	15.7	0.0
100	QPSK	135	69	14.78	14.91	14.85	15.7	0.0
100	QPSK	135	138	14.72	14.85	14.79	15.7	0.0
100	QPSK	270	0	14.80	14.88	14.72		
100	16QAM	1	1	14.78	14.83	14.67	15.7	0.0
100	64QAM	1	1	14.64	14.80	14.76	15.7	0.0
100	256QAM	1	1	14.55	14.73	14.69	15.7	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	14.74	14.93	14.78	15.7	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	14.78	14.87	14.76	15.7	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	14.70	14.80	14.80	15.7	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	14.76	14.89	14.78	15.7	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	14.72	14.91	14.77	15.7	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	14.77	14.85	14.78	15.7	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	14.81	14.86	14.84	15.7	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	14.80	14.85	14.81	15.7	0.0

Part27O n77 for Ant.4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	12.41	12.53	12.45	13.7	0.0
100	PI/2 BPSK	1	137	12.32	12.40	12.25		
100	PI/2 BPSK	1	271	12.37	12.45	12.43		
100	PI/2 BPSK	135	0	12.38	12.48	12.40	13.7	0.0
100	PI/2 BPSK	135	69	12.50	12.54	12.37	13.7	0.0
100	PI/2 BPSK	135	138	12.47	12.55	12.42	13.7	0.0
100	PI/2 BPSK	270	0	12.49	12.57	12.47		
100	QPSK	1	1	12.35	12.58	12.54	13.7	0.0
100	QPSK	1	137	12.38	12.42	12.38		
100	QPSK	1	271	12.19	12.36	12.26		
100	QPSK	135	0	12.34	12.45	12.30	13.7	0.0
100	QPSK	135	69	12.43	12.53	12.39	13.7	0.0
100	QPSK	135	138	12.39	12.48	12.40	13.7	0.0
100	QPSK	270	0	12.46	12.52	12.46		
100	16QAM	1	1	12.06	12.15	12.02	13.7	0.0
100	64QAM	1	1	12.24	12.38	12.36	13.7	0.0
100	256QAM	1	1	12.34	12.36	12.33	13.7	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	12.32	12.55	12.43	13.7	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	12.21	12.48	12.51	13.7	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	12.29	12.47	12.37	13.7	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	12.28	12.49	12.48	13.7	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	12.26	12.42	12.47	13.7	0.0

Part27Q n77 for Ant.4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		12.05		13.7	0.0
100	PI/2 BPSK	1	137		12.33			
100	PI/2 BPSK	1	271		12.21			
100	PI/2 BPSK	135	0		12.17		13.7	0.0
100	PI/2 BPSK	135	69		12.19		13.7	0.0
100	PI/2 BPSK	135	138		12.30		13.7	0.0
100	PI/2 BPSK	270	0		12.22			
100	QPSK	1	1		12.46		13.7	0.0
100	QPSK	1	137		12.30			
100	QPSK	1	271		12.39			
100	QPSK	135	0		12.26		13.7	0.0
100	QPSK	135	69		12.31		13.7	0.0
100	QPSK	135	138		12.25		13.7	0.0
100	QPSK	270	0		12.29			
100	16QAM	1	1		11.87		13.7	0.0
100	64QAM	1	1		12.10		13.7	0.0
100	256QAM	1	1		12.31		13.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.33	12.34	12.29	13.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	12.33	12.35	12.38	13.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.35	12.31	12.31	13.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.31	12.37	12.35	13.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.28	12.39	12.34	13.7	0.0

Part27O n78 for Ant.4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		12.15		13.7	0.0
100	PI/2 BPSK	1	137		12.25			
100	PI/2 BPSK	1	271		12.38			
100	PI/2 BPSK	135	0		12.21		13.7	0.0
100	PI/2 BPSK	135	69		12.24		13.7	0.0
100	PI/2 BPSK	135	138		12.25		13.7	0.0
100	PI/2 BPSK	270	0		12.22			
100	QPSK	1	1		12.39		13.7	0.0
100	QPSK	1	137		12.27			
100	QPSK	1	271		12.32			
100	QPSK	135	0		12.14		13.7	0.0
100	QPSK	135	69		12.23		13.7	0.0
100	QPSK	135	138		12.17		13.7	0.0
100	QPSK	270	0		12.20			
100	16QAM	1	1		12.03		13.7	0.0
100	64QAM	1	1		12.17		13.7	0.0
100	256QAM	1	1		12.19		13.7	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	12.37	12.23	12.28	13.7	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	12.35	12.36	12.26	13.7	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	12.24	12.28	12.22	13.7	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	12.29	12.29	12.32	13.7	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	12.29	12.33	12.22	13.7	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	12.28	12.22	12.33	13.7	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	12.26	12.28	12.34	13.7	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	12.25	12.30	12.35	13.7	0.0

Part27Q 78 for Ant.4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		11.93		13.7	0.0
100	PI/2 BPSK	1	137		12.19			
100	PI/2 BPSK	1	271		12.21			
100	PI/2 BPSK	135	0		12.07		13.7	0.0
100	PI/2 BPSK	135	69		12.16		13.7	0.0
100	PI/2 BPSK	135	138		12.18		13.7	0.0
100	PI/2 BPSK	270	0		12.15			
100	QPSK	1	1		12.27		13.7	0.0
100	QPSK	1	137		12.21			
100	QPSK	1	271		12.18			
100	QPSK	135	0		12.11		13.7	0.0
100	QPSK	135	69		12.15		13.7	0.0
100	QPSK	135	138		12.09		13.7	0.0
100	QPSK	270	0		12.13			
100	16QAM	1	1		11.72		13.7	0.0
100	64QAM	1	1		11.96		13.7	0.0
100	256QAM	1	1		12.19		13.7	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	12.15	12.17	12.25	13.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.20	12.22	12.15	13.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	12.14	12.16	12.14	13.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	12.22	12.14	12.17	13.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	12.10	12.11	12.12	13.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.19	12.10	12.19	13.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.24	12.21	12.16	13.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.23	12.19	12.15	13.7	0.0

Part27O n77 for Ant.5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	11.55	11.63	11.59	12.9	0.0
100	PI/2 BPSK	1	137	11.29	11.40	11.35		
100	PI/2 BPSK	1	271	11.39	11.47	11.30		
100	PI/2 BPSK	135	0	11.30	11.43	11.28	12.9	0.0
100	PI/2 BPSK	135	69	11.42	11.48	11.41	12.9	0.0
100	PI/2 BPSK	135	138	11.53	11.56	11.41	12.9	0.0
100	PI/2 BPSK	270	0	11.48	11.51	11.34		
100	QPSK	1	1	11.38	11.66	11.61	12.9	0.0
100	QPSK	1	137	11.61	11.63	11.50		
100	QPSK	1	271	11.46	11.56	11.51		
100	QPSK	135	0	11.46	11.50	11.38	12.9	0.0
100	QPSK	135	69	11.48	11.52	11.39	12.9	0.0
100	QPSK	135	138	11.41	11.47	11.37	12.9	0.0
100	QPSK	270	0	11.34	11.50	11.45		
100	16QAM	1	1	11.30	11.45	11.36	12.9	0.0
100	64QAM	1	1	11.41	11.58	11.45	12.9	0.0
100	256QAM	1	1	11.38	11.51	11.44	12.9	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	11.29	11.63	11.54	12.9	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	11.30	11.50	11.48	12.9	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	11.21	11.50	11.53	12.9	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	11.25	11.48	11.53	12.9	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	11.28	11.49	11.59	12.9	0.0

Part27Q n77 for Ant.5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		12.36		12.9	0.0
100	PI/2 BPSK	1	137		12.21			
100	PI/2 BPSK	1	271		12.13			
100	PI/2 BPSK	135	0		12.22		12.9	0.0
100	PI/2 BPSK	135	69		12.21		12.9	0.0
100	PI/2 BPSK	135	138		12.16		12.9	0.0
100	PI/2 BPSK	270	0		12.19			
100	QPSK	1	1		12.38		12.9	0.0
100	QPSK	1	137		12.24			
100	QPSK	1	271		12.26			
100	QPSK	135	0		12.17		12.9	0.0
100	QPSK	135	69		12.20		12.9	0.0
100	QPSK	135	138		12.18		12.9	0.0
100	QPSK	270	0		12.22			
100	16QAM	1	1		11.93		12.9	0.0
100	64QAM	1	1		12.12		12.9	0.0
100	256QAM	1	1		12.10		12.9	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.28	12.25	12.35	12.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	12.23	12.26	12.25	12.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.34	12.26	12.33	12.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.26	12.27	12.31	12.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.33	12.32	12.27	12.9	0.0

Part27O n78 for Ant.5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		12.50		12.9	0.0
100	PI/2 BPSK	1	137		12.42			
100	PI/2 BPSK	1	271		12.37			
100	PI/2 BPSK	135	0		12.21		12.9	0.0
100	PI/2 BPSK	135	69		12.23		12.9	0.0
100	PI/2 BPSK	135	138		12.32		12.9	0.0
100	PI/2 BPSK	270	0		12.20			
100	QPSK	1	1		12.52		12.9	0.0
100	QPSK	1	137		12.45			
100	QPSK	1	271		12.41			
100	QPSK	135	0		12.29		12.9	0.0
100	QPSK	135	69		12.48		12.9	0.0
100	QPSK	135	138		12.33		12.9	0.0
100	QPSK	270	0		12.42			
100	16QAM	1	1		12.18		12.9	0.0
100	64QAM	1	1		12.20		12.9	0.0
100	256QAM	1	1		12.21		12.9	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	12.38	12.47	12.43	12.9	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	12.39	12.34	12.38	12.9	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	12.48	12.42	12.35	12.9	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	12.44	12.38	12.47	12.9	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	12.37	12.40	12.36	12.9	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	12.40	12.35	12.39	12.9	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	12.45	12.50	12.35	12.9	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	12.40	12.44	12.36	12.9	0.0

Part27Q 78 for Ant.5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		12.43		12.9	0.0
100	PI/2 BPSK	1	137		12.26			
100	PI/2 BPSK	1	271		12.21			
100	PI/2 BPSK	135	0		12.29		12.9	0.0
100	PI/2 BPSK	135	69		12.27		12.9	0.0
100	PI/2 BPSK	135	138		12.24		12.9	0.0
100	PI/2 BPSK	270	0		12.21			
100	QPSK	1	1		12.47		12.9	0.0
100	QPSK	1	137		12.40			
100	QPSK	1	271		12.29			
100	QPSK	135	0		12.27		12.9	0.0
100	QPSK	135	69		12.31		12.9	0.0
100	QPSK	135	138		12.19		12.9	0.0
100	QPSK	270	0		12.24			
100	16QAM	1	1		12.16		12.9	0.0
100	64QAM	1	1		12.29		12.9	0.0
100	256QAM	1	1		12.14		12.9	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	12.29	12.34	12.43	12.9	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.33	12.40	12.43	12.9	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	12.43	12.38	12.40	12.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	12.42	12.30	12.39	12.9	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	12.33	12.45	12.33	12.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.42	12.33	12.37	12.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.44	12.37	12.39	12.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.36	12.30	12.41	12.9	0.0

Reduced Power Mode for DSI 1

n2 for Ant.0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	19.24	19.27	19.16	19.9	0.0
20	PI/2 BPSK	1	53	19.14	19.24	19.15		
20	PI/2 BPSK	1	104	19.07	19.22	19.10		
20	PI/2 BPSK	50	0	19.23	19.30	19.22	19.9	0.0
20	PI/2 BPSK	50	28	19.15	19.25	19.15	19.9	0.0
20	PI/2 BPSK	50	56	19.10	19.24	19.11	19.9	0.0
20	PI/2 BPSK	100	0	19.13	19.27	19.14		
20	QPSK	1	1	19.24	19.33	19.20	19.9	0.0
20	QPSK	1	53	19.17	19.24	19.12		
20	QPSK	1	104	19.16	19.31	19.25		
20	QPSK	50	0	19.21	19.25	19.25	19.9	0.0
20	QPSK	50	28	19.10	19.28	19.20	19.9	0.0
20	QPSK	50	56	19.13	19.26	19.15	19.9	0.0
20	QPSK	100	0	19.21	19.26	19.18		
20	16QAM	1	1	19.24	19.30	19.24	19.9	0.0
20	64QAM	1	1	19.10	19.24	19.15	19.9	0.0
20	256QAM	1	1	19.09	19.21	19.09	19.9	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	19.19	19.27	19.05	19.9	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	19.12	19.25	19.07	19.9	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	19.17	19.29	19.09	19.9	0.0

n5 for Ant.0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	21.62	21.69	21.66	22.4	0.0
20	PI/2 BPSK	1	53	21.57	21.61	21.58		
20	PI/2 BPSK	1	104	21.47	21.59	21.51		
20	PI/2 BPSK	50	0	21.53	21.67	21.52	22.4	0.0
20	PI/2 BPSK	50	28	21.59	21.70	21.67	22.4	0.0
20	PI/2 BPSK	50	56	21.47	21.61	21.53	22.4	0.0
20	PI/2 BPSK	100	0	21.58	21.70	21.56		
20	QPSK	1	1	21.63	21.75	21.66	22.4	0.0
20	QPSK	1	53	21.60	21.67	21.53		
20	QPSK	1	104	21.67	21.70	21.58		
20	QPSK	50	0	21.58	21.63	21.59	22.4	0.0
20	QPSK	50	28	21.53	21.70	21.53	22.4	0.0
20	QPSK	50	56	21.52	21.58	21.49	22.4	0.0
20	QPSK	100	0	21.58	21.69	21.64		
20	16QAM	1	1	21.58	21.68	21.57	22.4	0.0
20	64QAM	1	1	21.59	21.64	21.57	22.4	0.0
20	256QAM	1	1	19.66	19.76	19.63	20.5	1.9
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	21.51	21.65	21.58	22.4	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	21.53	21.69	21.55	22.4	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	21.51	21.67	21.62	22.4	0.0

n7 for Ant.0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	13.39	13.47	13.39	14.2	0.0
50	PI/2 BPSK	1	135	13.30	13.35	13.28		
50	PI/2 BPSK	1	268	13.32	13.44	13.39		
50	PI/2 BPSK	135	0	13.36	13.35	13.26	14.2	0.0
50	PI/2 BPSK	135	68	13.26	13.39	13.30	14.2	0.0
50	PI/2 BPSK	135	135	13.25	13.32	13.24	14.2	0.0
50	PI/2 BPSK	270	0	13.28	13.36	13.31		
50	QPSK	1	1	13.52	13.54	13.44	14.2	0.0
50	QPSK	1	135	13.39	13.45	13.38		
50	QPSK	1	268	13.49	13.51	13.47		
50	QPSK	135	0	13.23	13.35	13.26	14.2	0.0
50	QPSK	135	68	13.29	13.54	13.34	14.2	0.0
50	QPSK	135	135	13.37	13.41	13.36	14.2	0.0
50	QPSK	270	0	13.31	13.40	13.34		
50	16QAM	1	1	13.39	13.50	13.44	14.2	0.0
50	64QAM	1	1	13.37	13.46	13.43	14.2	0.0
50	256QAM	1	1	13.32	13.40	13.26	14.2	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	13.39	13.52	13.40	14.2	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	13.41	13.53	13.33	14.2	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	13.39	13.46	13.37	14.2	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	13.47	13.51	13.35	14.2	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	13.44	13.43	13.36	14.2	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	13.49	13.50	13.33	14.2	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	13.46	13.48	13.36	14.2	0.0

n66 for Ant.0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	18.73	18.84	18.77	19.5	0.0
30	PI/2 BPSK	1	80	18.60	18.72	18.62		
30	PI/2 BPSK	1	158	18.61	18.75	18.65		
30	PI/2 BPSK	80	0	18.60	18.69	18.65	19.5	0.0
30	PI/2 BPSK	80	40	18.64	18.78	18.65	19.5	0.0
30	PI/2 BPSK	80	80	18.70	18.83	18.75	19.5	0.0
30	PI/2 BPSK	160	0	18.68	18.77	18.64		
30	QPSK	1	1	18.82	18.88	18.73	19.5	0.0
30	QPSK	1	80	18.70	18.82	18.70		
30	QPSK	1	158	18.75	18.85	18.72		
30	QPSK	80	0	18.61	18.71	18.57	19.5	0.0
30	QPSK	80	40	18.82	18.85	18.71	19.5	0.0
30	QPSK	80	80	18.69	18.80	18.68	19.5	0.0
30	QPSK	160	0	18.74	18.79	18.69		
30	16QAM	1	1	18.68	18.75	18.64	19.5	0.0
30	64QAM	1	1	18.67	18.70	18.63	19.5	0.0
30	256QAM	1	1	18.61	18.66	18.61	19.5	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	18.78	18.82	18.66	19.5	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	18.78	18.79	18.59	19.5	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	18.79	18.75	18.61	19.5	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	18.68	18.82	18.67	19.5	0.0

n38 for Ant.0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	12.70	12.83	12.71	13.7	0.0
40	PI/2 BPSK	1	53	12.63	12.74	12.62		
40	PI/2 BPSK	1	104	12.52	12.67	12.55		
40	PI/2 BPSK	50	0	12.58	12.71	12.65	13.7	0.0
40	PI/2 BPSK	50	28	12.57	12.66	12.59	13.7	0.0
40	PI/2 BPSK	50	56	12.55	12.68	12.63	13.7	0.0
40	PI/2 BPSK	100	0	12.60	12.65	12.59		
40	QPSK	1	1	12.80	12.86	12.72	13.7	0.0
40	QPSK	1	53	12.71	12.74	12.62		
40	QPSK	1	104	12.73	12.80	12.69		
40	QPSK	50	0	12.61	12.72	12.66	13.7	0.0
40	QPSK	50	28	12.59	12.66	12.59	13.7	0.0
40	QPSK	50	56	12.61	12.67	12.62	13.7	0.0
40	QPSK	100	0	12.58	12.64	12.55		
40	16QAM	1	1	12.56	12.70	12.54	13.7	0.0
40	64QAM	1	1	12.64	12.72	12.57	13.7	0.0
40	256QAM	1	1	12.56	12.69	12.60	13.7	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	12.47	12.56	12.42	13.7	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	12.56	12.54	12.47	13.7	0.0

n41 for Ant.1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	12.71	12.81	12.78	13.6	0.0
100	PI/2 BPSK	1	137	12.75	12.90	12.85		
100	PI/2 BPSK	1	271	12.76	12.86	12.73		
100	PI/2 BPSK	135	0	12.71	12.85	12.77	13.6	0.0
100	PI/2 BPSK	135	69	12.86	12.91	12.83	13.6	0.0
100	PI/2 BPSK	135	138	12.68	12.75	12.58	13.6	0.0
100	PI/2 BPSK	270	0	12.84	12.93	12.88		
100	QPSK	1	1	12.88	12.93	12.81	13.6	0.0
100	QPSK	1	137	12.84	12.90	12.80		
100	QPSK	1	271	12.76	12.87	12.71		
100	QPSK	135	0	12.78	12.86	12.77	13.6	0.0
100	QPSK	135	69	12.81	12.91	12.78	13.6	0.0
100	QPSK	135	138	12.82	12.86	12.75	13.6	0.0
100	QPSK	270	0	12.79	12.89	12.76		
100	16QAM	1	1	12.67	12.80	12.75	13.6	0.0
100	64QAM	1	1	12.81	12.92	12.82	13.6	0.0
100	256QAM	1	1	12.76	12.84	12.72	13.6	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	12.83	12.79	12.69	13.6	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	12.73	12.87	12.63	13.6	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	12.78	12.90	12.78	13.6	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	12.77	12.84	12.70	13.6	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	12.80	12.86	12.71	13.6	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	12.85	12.76	12.71	13.6	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	12.83	12.83	12.75	13.6	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	12.75	12.84	12.78	13.6	0.0

Part27O n77 for Ant.1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	12.61	12.67	12.56	13.5	0.0
100	PI/2 BPSK	1	137	12.67	12.77	12.70		
100	PI/2 BPSK	1	271	12.73	12.79	12.71		
100	PI/2 BPSK	135	0	12.72	12.75	12.62	13.5	0.0
100	PI/2 BPSK	135	69	12.56	12.73	12.59	13.5	0.0
100	PI/2 BPSK	135	138	12.57	12.68	12.60	13.5	0.0
100	PI/2 BPSK	270	0	12.61	12.75	12.68		
100	QPSK	1	1	12.87	12.89	12.73	13.5	0.0
100	QPSK	1	137	12.67	12.81	12.68		
100	QPSK	1	271	12.47	12.59	12.53		
100	QPSK	135	0	12.65	12.79	12.70	13.5	0.0
100	QPSK	135	69	12.68	12.74	12.63	13.5	0.0
100	QPSK	135	138	12.48	12.59	12.53	13.5	0.0
100	QPSK	270	0	12.72	12.76	12.58		
100	16QAM	1	1	12.51	12.57	12.49	13.5	0.0
100	64QAM	1	1	12.57	12.75	12.71	13.5	0.0
100	256QAM	1	1	12.63	12.70	12.54	13.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	12.72	12.81	12.66	13.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	12.84	12.84	12.55	13.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	12.77	12.86	12.63	13.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	12.73	12.83	12.68	13.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	12.85	12.76	12.64	13.5	0.0

Part27Q n77 for Ant.1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		11.86		13.5	0.0
100	PI/2 BPSK	1	137		12.08			
100	PI/2 BPSK	1	271		11.94			
100	PI/2 BPSK	135	0		11.92		13.5	0.0
100	PI/2 BPSK	135	69		11.98		13.5	0.0
100	PI/2 BPSK	135	138		11.98		13.5	0.0
100	PI/2 BPSK	270	0		12.01			
100	QPSK	1	1		12.16		13.5	0.0
100	QPSK	1	137		11.95			
100	QPSK	1	271		12.11			
100	QPSK	135	0		11.91		13.5	0.0
100	QPSK	135	69		12.03		13.5	0.0
100	QPSK	135	138		11.89		13.5	0.0
100	QPSK	270	0		11.96			
100	16QAM	1	1		11.84		13.5	0.0
100	64QAM	1	1		11.99		13.5	0.0
100	256QAM	1	1		11.93		13.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.12	12.03	11.99	13.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	11.99	12.07	12.11	13.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.05	12.08	12.10	13.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.00	12.00	11.98	13.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.03	12.12	12.14	13.5	0.0

Part27O n78 for Ant.1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		12.83		13.5	0.0
100	PI/2 BPSK	1	137		12.76			
100	PI/2 BPSK	1	271		12.78			
100	PI/2 BPSK	135	0		12.68		13.5	0.0
100	PI/2 BPSK	135	69		12.79		13.5	0.0
100	PI/2 BPSK	135	138		12.74		13.5	0.0
100	PI/2 BPSK	270	0		12.71			
100	QPSK	1	1		12.86		13.5	0.0
100	QPSK	1	137		12.71			
100	QPSK	1	271		12.80			
100	QPSK	135	0		12.77		13.5	0.0
100	QPSK	135	69		12.82		13.5	0.0
100	QPSK	135	138		12.71		13.5	0.0
100	QPSK	270	0		12.75			
100	16QAM	1	1		12.41		13.5	0.0
100	64QAM	1	1		12.62		13.5	0.0
100	256QAM	1	1		12.60		13.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	12.77	12.69	12.78	13.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	12.83	12.68	12.81	13.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	12.72	12.76	12.73	13.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	12.74	12.78	12.75	13.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	12.76	12.84	12.72	13.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	12.71	12.72	12.84	13.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	12.78	12.70	12.69	13.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	12.75	12.79	12.80	13.5	0.0

Part27Q 78 for Ant.1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		12.12		13.5	0.0
100	PI/2 BPSK	1	137		12.10			
100	PI/2 BPSK	1	271		12.06			
100	PI/2 BPSK	135	0		11.88		13.5	0.0
100	PI/2 BPSK	135	69		11.94		13.5	0.0
100	PI/2 BPSK	135	138		11.97		13.5	0.0
100	PI/2 BPSK	270	0		11.90			
100	QPSK	1	1		12.17		13.5	0.0
100	QPSK	1	137		12.04			
100	QPSK	1	271		12.08			
100	QPSK	135	0		11.88		13.5	0.0
100	QPSK	135	69		12.05		13.5	0.0
100	QPSK	135	138		11.95		13.5	0.0
100	QPSK	270	0		11.97			
100	16QAM	1	1		11.85		13.5	0.0
100	64QAM	1	1		11.77		13.5	0.0
100	256QAM	1	1		11.95		13.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	12.01	12.06	12.08	13.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.11	12.08	12.01	13.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	12.02	12.14	12.08	13.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	12.06	12.09	12.07	13.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	12.00	12.10	12.15	13.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.06	12.10	12.08	13.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.12	12.07	12.09	13.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.14	12.10	12.06	13.5	0.0

n7 for Ant.2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	14.47	14.55	14.42	15.7	0.0
50	PI/2 BPSK	1	135	14.44	14.52	14.47		
50	PI/2 BPSK	1	268	14.37	14.49	14.34		
50	PI/2 BPSK	135	0	14.36	14.46	14.31	15.7	0.0
50	PI/2 BPSK	135	68	14.47	14.53	14.49	15.7	0.0
50	PI/2 BPSK	135	135	14.42	14.52	14.40	15.7	0.0
50	PI/2 BPSK	270	0	14.34	14.48	14.39		
50	QPSK	1	1	14.52	14.59	14.45	15.7	0.0
50	QPSK	1	135	14.34	14.48	14.39		
50	QPSK	1	268	14.38	14.51	14.37		
50	QPSK	135	0	14.33	14.44	14.29	15.7	0.0
50	QPSK	135	68	14.49	14.52	14.45	15.7	0.0
50	QPSK	135	135	14.35	14.44	14.30	15.7	0.0
50	QPSK	270	0	14.42	14.46	14.36		
50	16QAM	1	1	14.44	14.58	14.50	15.7	0.0
50	64QAM	1	1	14.42	14.53	14.40	15.7	0.0
50	256QAM	1	1	14.43	14.49	14.37	15.7	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	14.43	14.52	14.31	15.7	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	14.45	14.46	14.40	15.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	14.41	14.44	14.38	15.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	14.40	14.45	14.35	15.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	14.37	14.56	14.36	15.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	14.43	14.56	14.36	15.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	14.44	14.50	14.35	15.7	0.0

n41 PC2&3 Ant.2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	15.73	15.88	15.74	17.2	0.0
100	PI/2 BPSK	1	137	15.89	15.96	15.82		
100	PI/2 BPSK	1	271	15.72	15.83	15.74		
100	PI/2 BPSK	135	0	15.75	15.80	15.71	17.2	0.0
100	PI/2 BPSK	135	69	15.92	16.00	15.85	17.2	0.0
100	PI/2 BPSK	135	138	15.83	15.98	15.91	17.2	0.0
100	PI/2 BPSK	270	0	15.83	15.96	15.85		
100	QPSK	1	1	15.89	16.03	15.94	17.2	0.0
100	QPSK	1	137	15.82	15.95	15.83		
100	QPSK	1	271	15.92	16.00	15.94		
100	QPSK	135	0	15.85	15.89	15.80	17.2	0.0
100	QPSK	135	69	15.83	16.03	15.90	17.2	0.0
100	QPSK	135	138	15.81	15.86	15.76	17.2	0.0
100	QPSK	270	0	15.84	15.91	15.80		
100	16QAM	1	1	15.83	15.88	15.79	17.2	0.0
100	64QAM	1	1	15.62	15.76	15.71	17.2	0.0
100	256QAM	1	1	15.65	15.72	15.60	17.2	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	15.77	15.96	15.90	17.2	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	15.84	15.91	15.84	17.2	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	15.78	15.93	15.86	17.2	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	15.75	15.89	15.89	17.2	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	15.82	15.94	15.89	17.2	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	15.79	15.99	15.87	17.2	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	15.85	15.94	15.83	17.2	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	15.81	15.98	15.84	17.2	0.0

Part27O n77 PC2&3 Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	7.86	7.93	7.89	8.9	0.0
100	PI/2 BPSK	1	137	7.77	7.85	7.73		
100	PI/2 BPSK	1	271	7.86	7.92	7.82		
100	PI/2 BPSK	135	0	7.84	7.90	7.76	8.9	0.0
100	PI/2 BPSK	135	69	7.89	7.93	7.89	8.9	0.0
100	PI/2 BPSK	135	138	7.74	7.84	7.79	8.9	0.0
100	PI/2 BPSK	270	0	7.85	7.90	7.77		
100	QPSK	1	1	7.99	8.05	7.90	8.9	0.0
100	QPSK	1	137	7.93	7.99	7.85		
100	QPSK	1	271	7.74	7.88	7.83		
100	QPSK	135	0	7.81	7.86	7.82	8.9	0.0
100	QPSK	135	69	7.86	7.94	7.88	8.9	0.0
100	QPSK	135	138	7.76	7.86	7.74	8.9	0.0
100	QPSK	270	0	7.79	7.91	7.85		
100	16QAM	1	1	7.84	7.96	7.81	8.9	0.0
100	64QAM	1	1	7.79	7.86	7.78	8.9	0.0
100	256QAM	1	1	7.75	7.82	7.70	8.9	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	7.86	7.96	7.85	8.9	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	7.87	7.92	7.78	8.9	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	7.90	7.92	7.86	8.9	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	7.87	7.90	7.82	8.9	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	7.89	7.99	7.80	8.9	0.0

Part27Q n77 PC2&3 Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		8.02		8.9	0.0
100	PI/2 BPSK	1	137		7.91			
100	PI/2 BPSK	1	271		7.98			
100	PI/2 BPSK	135	0		7.82		8.9	0.0
100	PI/2 BPSK	135	69		7.92		8.9	0.0
100	PI/2 BPSK	135	138		7.86		8.9	0.0
100	PI/2 BPSK	270	0		7.87			
100	QPSK	1	1		8.08		8.9	0.0
100	QPSK	1	137		7.87			
100	QPSK	1	271		8.05			
100	QPSK	135	0		7.78		8.9	0.0
100	QPSK	135	69		7.96		8.9	0.0
100	QPSK	135	138		7.85		8.9	0.0
100	QPSK	270	0		7.88			
100	16QAM	1	1		7.92		8.9	0.0
100	64QAM	1	1		7.90		8.9	0.0
100	256QAM	1	1		7.84		8.9	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	8.02	8.00	7.97	8.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	8.05	7.99	8.01	8.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	7.94	8.05	8.03	8.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	7.97	7.94	8.03	8.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	7.98	7.98	8.00	8.9	0.0

Part27O n78 PC2&3 Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		7.75		8.9	0.0
100	PI/2 BPSK	1	137		7.78			
100	PI/2 BPSK	1	271		7.70			
100	PI/2 BPSK	135	0		7.69		8.9	0.0
100	PI/2 BPSK	135	69		7.72		8.9	0.0
100	PI/2 BPSK	135	138		7.62		8.9	0.0
100	PI/2 BPSK	270	0		7.68			
100	QPSK	1	1		7.81		8.9	0.0
100	QPSK	1	137		7.71			
100	QPSK	1	271		7.68			
100	QPSK	135	0		7.68		8.9	0.0
100	QPSK	135	69		7.73		8.9	0.0
100	QPSK	135	138		7.61		8.9	0.0
100	QPSK	270	0		7.69			
100	16QAM	1	1		7.76		8.9	0.0
100	64QAM	1	1		7.72		8.9	0.0
100	256QAM	1	1		7.65		8.9	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	7.70	7.70	7.77	8.9	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	7.75	7.78	7.69	8.9	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	7.69	7.77	7.74	8.9	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	7.68	7.76	7.67	8.9	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	7.68	7.66	7.67	8.9	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	7.75	7.69	7.73	8.9	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	7.71	7.73	7.68	8.9	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	7.76	7.74	7.67	8.9	0.0

Part27Q 78 PC2&3 Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		7.85		8.9	0.0
100	PI/2 BPSK	1	137		7.76			
100	PI/2 BPSK	1	271		7.80			
100	PI/2 BPSK	135	0		7.72		8.9	0.0
100	PI/2 BPSK	135	69		7.81		8.9	0.0
100	PI/2 BPSK	135	138		7.82		8.9	0.0
100	PI/2 BPSK	270	0		7.85			
100	QPSK	1	1		7.92		8.9	0.0
100	QPSK	1	137		7.75			
100	QPSK	1	271		7.86			
100	QPSK	135	0		7.74		8.9	0.0
100	QPSK	135	69		7.85		8.9	0.0
100	QPSK	135	138		7.77		8.9	0.0
100	QPSK	270	0		7.81			
100	16QAM	1	1		7.79		8.9	0.0
100	64QAM	1	1		7.68		8.9	0.0
100	256QAM	1	1		7.80		8.9	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	7.77	7.82	7.84	8.9	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	7.85	7.82	7.84	8.9	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	7.81	7.80	7.78	8.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	7.88	7.87	7.81	8.9	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	7.89	7.85	7.87	8.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	7.89	7.89	7.87	8.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	7.81	7.88	7.85	8.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	7.83	7.81	7.85	8.9	0.0

n41 for Ant.4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	14.71	14.84	14.80	15.7	0.0
100	PI/2 BPSK	1	137	14.89	14.92	14.76		
100	PI/2 BPSK	1	271	14.78	14.81	14.63		
100	PI/2 BPSK	135	0	14.78	14.80	14.68	15.7	0.0
100	PI/2 BPSK	135	69	14.81	14.88	14.78	15.7	0.0
100	PI/2 BPSK	135	138	14.77	14.93	14.73	15.7	0.0
100	PI/2 BPSK	270	0	14.78	14.91	14.86		
100	QPSK	1	1	14.88	14.97	14.91	15.7	0.0
100	QPSK	1	137	14.78	14.90	14.82		
100	QPSK	1	271	14.75	14.82	14.65		
100	QPSK	135	0	14.75	14.80	14.66	15.7	0.0
100	QPSK	135	69	14.78	14.91	14.85	15.7	0.0
100	QPSK	135	138	14.72	14.85	14.79	15.7	0.0
100	QPSK	270	0	14.80	14.88	14.72		
100	16QAM	1	1	14.78	14.83	14.67	15.7	0.0
100	64QAM	1	1	14.64	14.80	14.76	15.7	0.0
100	256QAM	1	1	14.55	14.73	14.69	15.7	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	14.74	14.93	14.78	15.7	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	14.78	14.87	14.76	15.7	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	14.70	14.80	14.80	15.7	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	14.76	14.89	14.78	15.7	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	14.72	14.91	14.77	15.7	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	14.77	14.85	14.78	15.7	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	14.81	14.86	14.84	15.7	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	14.80	14.85	14.81	15.7	0.0

Part27O n77 for Ant.4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	12.41	12.53	12.45	13.7	0.0
100	PI/2 BPSK	1	137	12.32	12.40	12.25		
100	PI/2 BPSK	1	271	12.37	12.45	12.43		
100	PI/2 BPSK	135	0	12.38	12.48	12.40	13.7	0.0
100	PI/2 BPSK	135	69	12.50	12.54	12.37	13.7	0.0
100	PI/2 BPSK	135	138	12.47	12.55	12.42	13.7	0.0
100	PI/2 BPSK	270	0	12.49	12.57	12.47		
100	QPSK	1	1	12.35	12.58	12.54	13.7	0.0
100	QPSK	1	137	12.38	12.42	12.38		
100	QPSK	1	271	12.19	12.36	12.26		
100	QPSK	135	0	12.34	12.45	12.30	13.7	0.0
100	QPSK	135	69	12.43	12.53	12.39	13.7	0.0
100	QPSK	135	138	12.39	12.48	12.40	13.7	0.0
100	QPSK	270	0	12.46	12.52	12.46		
100	16QAM	1	1	12.06	12.15	12.02	13.7	0.0
100	64QAM	1	1	12.24	12.38	12.36	13.7	0.0
100	256QAM	1	1	12.34	12.36	12.33	13.7	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	12.32	12.55	12.43	13.7	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	12.21	12.48	12.51	13.7	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	12.29	12.47	12.37	13.7	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	12.28	12.49	12.48	13.7	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	12.26	12.42	12.47	13.7	0.0

Part27Q n77 for Ant.4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		12.05		13.7	0.0
100	PI/2 BPSK	1	137		12.33			
100	PI/2 BPSK	1	271		12.21			
100	PI/2 BPSK	135	0		12.17		13.7	0.0
100	PI/2 BPSK	135	69		12.19		13.7	0.0
100	PI/2 BPSK	135	138		12.30		13.7	0.0
100	PI/2 BPSK	270	0		12.22			
100	QPSK	1	1		12.46		13.7	0.0
100	QPSK	1	137		12.30			
100	QPSK	1	271		12.39			
100	QPSK	135	0		12.26		13.7	0.0
100	QPSK	135	69		12.31		13.7	0.0
100	QPSK	135	138		12.25		13.7	0.0
100	QPSK	270	0		12.29			
100	16QAM	1	1		11.87		13.7	0.0
100	64QAM	1	1		12.10		13.7	0.0
100	256QAM	1	1		12.31		13.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.33	12.34	12.29	13.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	12.33	12.35	12.38	13.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.35	12.31	12.31	13.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.31	12.37	12.35	13.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.28	12.39	12.34	13.7	0.0

Part27O n78 for Ant.4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		12.15		13.7	0.0
100	PI/2 BPSK	1	137		12.25			
100	PI/2 BPSK	1	271		12.38			
100	PI/2 BPSK	135	0		12.21		13.7	0.0
100	PI/2 BPSK	135	69		12.24		13.7	0.0
100	PI/2 BPSK	135	138		12.25		13.7	0.0
100	PI/2 BPSK	270	0		12.22			
100	QPSK	1	1		12.39		13.7	0.0
100	QPSK	1	137		12.27			
100	QPSK	1	271		12.32			
100	QPSK	135	0		12.14		13.7	0.0
100	QPSK	135	69		12.23		13.7	0.0
100	QPSK	135	138		12.17		13.7	0.0
100	QPSK	270	0		12.20			
100	16QAM	1	1		12.03		13.7	0.0
100	64QAM	1	1		12.17		13.7	0.0
100	256QAM	1	1		12.19		13.7	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	12.37	12.23	12.28	13.7	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	12.35	12.36	12.26	13.7	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	12.24	12.28	12.22	13.7	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	12.29	12.29	12.32	13.7	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	12.29	12.33	12.22	13.7	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	12.28	12.22	12.33	13.7	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	12.26	12.28	12.34	13.7	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	12.25	12.30	12.35	13.7	0.0

Part27Q 78 for Ant.4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		11.93		13.7	0.0
100	PI/2 BPSK	1	137		12.19			
100	PI/2 BPSK	1	271		12.21			
100	PI/2 BPSK	135	0		12.07		13.7	0.0
100	PI/2 BPSK	135	69		12.16		13.7	0.0
100	PI/2 BPSK	135	138		12.18		13.7	0.0
100	PI/2 BPSK	270	0		12.15			
100	QPSK	1	1		12.27		13.7	0.0
100	QPSK	1	137		12.21			
100	QPSK	1	271		12.18			
100	QPSK	135	0		12.11		13.7	0.0
100	QPSK	135	69		12.15		13.7	0.0
100	QPSK	135	138		12.09		13.7	0.0
100	QPSK	270	0		12.13			
100	16QAM	1	1		11.72		13.7	0.0
100	64QAM	1	1		11.96		13.7	0.0
100	256QAM	1	1		12.19		13.7	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	12.15	12.17	12.25	13.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.20	12.22	12.15	13.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	12.14	12.16	12.14	13.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	12.22	12.14	12.17	13.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	12.10	12.11	12.12	13.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.19	12.10	12.19	13.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.24	12.21	12.16	13.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.23	12.19	12.15	13.7	0.0

n41 for Ant.5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	15.72	15.85	15.81	16.8	0.0
100	PI/2 BPSK	1	137	15.77	15.93	15.91		
100	PI/2 BPSK	1	271	15.83	15.98	15.81		
100	PI/2 BPSK	135	0	15.80	15.86	15.73	16.8	0.0
100	PI/2 BPSK	135	69	15.89	16.03	15.87	16.8	0.0
100	PI/2 BPSK	135	138	15.90	16.00	15.90	16.8	0.0
100	PI/2 BPSK	270	0	15.65	15.80	15.63		
100	QPSK	1	1	16.04	16.07	15.89	16.8	0.0
100	QPSK	1	137	15.82	15.90	15.76		
100	QPSK	1	271	15.85	15.95	15.79		
100	QPSK	135	0	15.73	15.88	15.84	16.8	0.0
100	QPSK	135	69	15.93	16.04	15.91	16.8	0.0
100	QPSK	135	138	15.85	15.89	15.84	16.8	0.0
100	QPSK	270	0	15.97	16.03	15.99		
100	16QAM	1	1	15.77	15.80	15.74	16.8	0.0
100	64QAM	1	1	15.82	15.88	15.81	16.8	0.0
100	256QAM	1	1	15.67	15.82	15.77	16.8	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	15.91	15.97	15.75	16.8	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	15.96	15.92	15.82	16.8	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	15.89	15.94	15.74	16.8	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	15.88	16.02	15.76	16.8	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	15.92	16.04	15.73	16.8	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	15.88	15.93	15.77	16.8	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	15.86	15.90	15.83	16.8	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	15.99	16.05	15.86	16.8	0.0

Part27O n77 for Ant.5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	12.55	12.63	12.59	12.9	0.0
100	PI/2 BPSK	1	137	12.29	12.40	12.35		
100	PI/2 BPSK	1	271	12.39	12.47	12.30		
100	PI/2 BPSK	135	0	12.30	12.43	12.28	12.9	0.0
100	PI/2 BPSK	135	69	12.42	12.48	12.41	12.9	0.0
100	PI/2 BPSK	135	138	12.53	12.56	12.41	12.9	0.0
100	PI/2 BPSK	270	0	12.48	12.51	12.34		
100	QPSK	1	1	12.38	12.66	12.61	12.9	0.0
100	QPSK	1	137	12.61	12.63	12.50		
100	QPSK	1	271	12.46	12.56	12.51		
100	QPSK	135	0	12.46	12.50	12.38	12.9	0.0
100	QPSK	135	69	12.48	12.52	12.39	12.9	0.0
100	QPSK	135	138	12.41	12.47	12.37	12.9	0.0
100	QPSK	270	0	12.34	12.50	12.45		
100	16QAM	1	1	12.30	12.45	12.36	12.9	0.0
100	64QAM	1	1	12.41	12.58	12.45	12.9	0.0
100	256QAM	1	1	12.38	12.51	12.44	12.9	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	12.29	12.63	12.54	12.9	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	12.30	12.50	12.48	12.9	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	12.21	12.50	12.53	12.9	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	12.25	12.48	12.53	12.9	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	12.28	12.49	12.59	12.9	0.0

Part27Q n77 for Ant.5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		12.36		12.9	0.0
100	PI/2 BPSK	1	137		12.21			
100	PI/2 BPSK	1	271		12.13			
100	PI/2 BPSK	135	0		12.22		12.9	0.0
100	PI/2 BPSK	135	69		12.21		12.9	0.0
100	PI/2 BPSK	135	138		12.16		12.9	0.0
100	PI/2 BPSK	270	0		12.19			
100	QPSK	1	1		12.38		12.9	0.0
100	QPSK	1	137		12.24			
100	QPSK	1	271		12.26			
100	QPSK	135	0		12.17		12.9	0.0
100	QPSK	135	69		12.20		12.9	0.0
100	QPSK	135	138		12.18		12.9	0.0
100	QPSK	270	0		12.22			
100	16QAM	1	1		11.93		12.9	0.0
100	64QAM	1	1		12.12		12.9	0.0
100	256QAM	1	1		12.10		12.9	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.28	12.25	12.35	12.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	12.23	12.26	12.25	12.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.34	12.26	12.33	12.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.26	12.27	12.31	12.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.33	12.32	12.27	12.9	0.0

Part27O n78 for Ant.5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		12.50		12.9	0.0
100	PI/2 BPSK	1	137		12.42			
100	PI/2 BPSK	1	271		12.37			
100	PI/2 BPSK	135	0		12.21		12.9	0.0
100	PI/2 BPSK	135	69		12.23		12.9	0.0
100	PI/2 BPSK	135	138		12.32		12.9	0.0
100	PI/2 BPSK	270	0		12.20			
100	QPSK	1	1		12.52		12.9	0.0
100	QPSK	1	137		12.45			
100	QPSK	1	271		12.41			
100	QPSK	135	0		12.29		12.9	0.0
100	QPSK	135	69		12.48		12.9	0.0
100	QPSK	135	138		12.33		12.9	0.0
100	QPSK	270	0		12.42			
100	16QAM	1	1		12.18		12.9	0.0
100	64QAM	1	1		12.20		12.9	0.0
100	256QAM	1	1		12.21		12.9	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	12.38	12.47	12.43	12.9	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	12.39	12.34	12.38	12.9	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	12.48	12.42	12.35	12.9	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	12.44	12.38	12.47	12.9	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	12.37	12.40	12.36	12.9	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	12.40	12.35	12.39	12.9	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	12.45	12.50	12.35	12.9	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	12.40	12.44	12.36	12.9	0.0

Part27Q 78 for Ant.5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		12.43		12.9	0.0
100	PI/2 BPSK	1	137		12.26			
100	PI/2 BPSK	1	271		12.21			
100	PI/2 BPSK	135	0		12.29		12.9	0.0
100	PI/2 BPSK	135	69		12.27		12.9	0.0
100	PI/2 BPSK	135	138		12.24		12.9	0.0
100	PI/2 BPSK	270	0		12.21			
100	QPSK	1	1		12.47		12.9	0.0
100	QPSK	1	137		12.40			
100	QPSK	1	271		12.29			
100	QPSK	135	0		12.27		12.9	0.0
100	QPSK	135	69		12.31		12.9	0.0
100	QPSK	135	138		12.19		12.9	0.0
100	QPSK	270	0		12.24			
100	16QAM	1	1		12.16		12.9	0.0
100	64QAM	1	1		12.29		12.9	0.0
100	256QAM	1	1		12.14		12.9	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	12.29	12.34	12.43	12.9	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.33	12.40	12.43	12.9	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	12.43	12.38	12.40	12.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	12.42	12.30	12.39	12.9	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	12.33	12.45	12.33	12.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.42	12.33	12.37	12.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.44	12.37	12.39	12.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.36	12.30	12.41	12.9	0.0

Reduced Power Mode for DSI 2

n2 for Ant.0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	19.24	19.27	19.16	20.4	0.0
20	PI/2 BPSK	1	53	19.14	19.24	19.15		
20	PI/2 BPSK	1	104	19.07	19.22	19.10		
20	PI/2 BPSK	50	0	19.23	19.30	19.22	20.4	0.0
20	PI/2 BPSK	50	28	19.15	19.25	19.15	20.4	0.0
20	PI/2 BPSK	50	56	19.10	19.24	19.11	20.4	0.0
20	PI/2 BPSK	100	0	19.13	19.27	19.14		
20	QPSK	1	1	19.24	19.33	19.20	20.4	0.0
20	QPSK	1	53	19.17	19.24	19.12		
20	QPSK	1	104	19.16	19.31	19.25		
20	QPSK	50	0	19.21	19.25	19.25	20.4	0.0
20	QPSK	50	28	19.10	19.28	19.20	20.4	0.0
20	QPSK	50	56	19.13	19.26	19.15	20.4	0.0
20	QPSK	100	0	19.21	19.26	19.18		
20	16QAM	1	1	19.24	19.30	19.24	20.4	0.0
20	64QAM	1	1	19.10	19.24	19.15	20.4	0.0
20	256QAM	1	1	19.09	19.21	19.09	20.4	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	19.19	19.27	19.05	20.4	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	19.12	19.25	19.07	20.4	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	19.17	19.29	19.09	20.4	0.0

n5 for Ant.0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	22.15	22.22	22.19	23.4	0.0
20	PI/2 BPSK	1	53	22.10	22.14	22.11		
20	PI/2 BPSK	1	104	22.00	22.12	22.04		
20	PI/2 BPSK	50	0	22.06	22.20	22.05	23.4	0.0
20	PI/2 BPSK	50	28	22.12	22.23	22.20	23.4	0.0
20	PI/2 BPSK	50	56	22.00	22.14	22.06	23.4	0.0
20	PI/2 BPSK	100	0	22.11	22.23	22.09		
20	QPSK	1	1	22.16	22.28	22.19	23.4	0.0
20	QPSK	1	53	22.13	22.20	22.06		
20	QPSK	1	104	22.20	22.23	22.11		
20	QPSK	50	0	22.11	22.16	22.12	23.4	0.0
20	QPSK	50	28	22.06	22.23	22.06	23.4	0.0
20	QPSK	50	56	22.05	22.11	22.02	23.4	0.0
20	QPSK	100	0	22.11	22.22	22.17		
20	16QAM	1	1	22.11	22.21	22.10	23.4	0.0
20	64QAM	1	1	21.62	21.67	21.60	22.5	0.9
20	256QAM	1	1	19.69	19.79	19.66	20.5	2.9
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	22.04	22.18	22.11	23.4	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	22.06	22.22	22.08	23.4	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	22.01	22.20	22.15	23.4	0.0

n7 for Ant.0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	21.16	21.22	21.13	22.5	0.0
50	PI/2 BPSK	1	135	21.30	21.41	21.27		
50	PI/2 BPSK	1	268	21.22	21.38	21.31		
50	PI/2 BPSK	135	0	21.26	21.33	21.24	22.5	0.0
50	PI/2 BPSK	135	68	21.18	21.32	21.16	22.5	0.0
50	PI/2 BPSK	135	135	21.23	21.36	21.22	22.5	0.0
50	PI/2 BPSK	270	0	21.24	21.37	21.21		
50	QPSK	1	1	21.64	21.80	21.55	22.5	0.0
50	QPSK	1	135	21.42	21.49	21.35		
50	QPSK	1	268	21.34	21.45	21.30		
50	QPSK	135	0	21.25	21.36	21.21	22.5	0.0
50	QPSK	135	68	21.32	21.76	21.36	22.5	0.0
50	QPSK	135	135	21.27	21.34	21.18	22.5	0.0
50	QPSK	270	0	21.49	21.55	21.51		
50	16QAM	1	1	21.37	21.45	21.38	22.5	0.0
50	64QAM	1	1	20.42	20.48	20.31	21.5	1.0
50	256QAM	1	1	19.22	19.27	19.19	19.5	3.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	21.40	21.38	21.20	22.5	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	21.33	21.46	21.26	22.5	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	21.35	21.47	21.31	22.5	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	21.26	21.33	21.24	22.5	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	21.29	21.35	21.29	22.5	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	21.38	21.40	21.26	22.5	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	21.41	21.39	21.32	22.5	0.0

n66 for Ant.0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	18.26	18.31	18.22	19.4	0.0
30	PI/2 BPSK	1	80	18.00	18.18	18.00		
30	PI/2 BPSK	1	158	18.00	18.05	17.93		
30	PI/2 BPSK	80	0	18.12	18.17	18.00	19.4	0.0
30	PI/2 BPSK	80	40	18.02	18.14	18.11	19.4	0.0
30	PI/2 BPSK	80	80	18.07	18.18	18.08	19.4	0.0
30	PI/2 BPSK	160	0	17.95	18.10	18.03		
30	QPSK	1	1	18.21	18.39	18.17	19.4	0.0
30	QPSK	1	80	18.13	18.23	18.06		
30	QPSK	1	158	18.06	18.17	18.01		
30	QPSK	80	0	18.11	18.14	18.09	19.4	0.0
30	QPSK	80	40	18.30	18.33	18.27	19.4	0.0
30	QPSK	80	80	18.05	18.22	18.17	19.4	0.0
30	QPSK	160	0	18.10	18.27	18.23		
30	16QAM	1	1	17.96	18.09	18.00	19.4	0.0
30	64QAM	1	1	18.14	18.26	18.20	19.4	0.0
30	256QAM	1	1	18.24	18.29	18.16	19.4	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	18.06	18.33	18.07	19.4	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	18.09	18.22	18.05	19.4	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	18.17	18.36	18.04	19.4	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	18.08	18.29	18.07	19.4	0.0

n38 for Ant.0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	19.86	19.98	19.92	21.1	0.0
40	PI/2 BPSK	1	53	19.93	19.96	19.91		
40	PI/2 BPSK	1	104	19.93	19.97	19.90		
40	PI/2 BPSK	50	0	19.88	19.94	19.84	21.1	0.0
40	PI/2 BPSK	50	28	19.87	19.99	19.84	21.1	0.0
40	PI/2 BPSK	50	56	19.74	19.89	19.80	21.1	0.0
40	PI/2 BPSK	100	0	19.86	19.99	19.86		
40	QPSK	1	1	20.03	20.08	19.96	21.1	0.0
40	QPSK	1	53	19.86	19.93	19.87		
40	QPSK	1	104	19.86	20.03	19.90		
40	QPSK	50	0	19.78	19.91	19.80	21.1	0.0
40	QPSK	50	28	19.88	20.04	19.95	21.1	0.0
40	QPSK	50	56	19.78	19.91	19.78	21.1	0.0
40	QPSK	100	0	19.92	19.95	19.85		
40	16QAM	1	1	19.75	19.92	19.85	21.1	0.0
40	64QAM	1	1	19.72	19.85	19.78	21.1	0.0
40	256QAM	1	1	19.24	19.38	19.23	19.5	1.6
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	19.94	19.96	19.90	21.1	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	19.86	20.04	19.82	21.1	0.0

n41 for Ant.1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	12.71	12.81	12.78	13.6	0.0
100	PI/2 BPSK	1	137	12.75	12.90	12.85		
100	PI/2 BPSK	1	271	12.76	12.86	12.73		
100	PI/2 BPSK	135	0	12.71	12.85	12.77	13.6	0.0
100	PI/2 BPSK	135	69	12.86	12.91	12.83	13.6	0.0
100	PI/2 BPSK	135	138	12.68	12.75	12.58	13.6	0.0
100	PI/2 BPSK	270	0	12.84	12.93	12.88		
100	QPSK	1	1	12.88	12.93	12.81	13.6	0.0
100	QPSK	1	137	12.84	12.90	12.80		
100	QPSK	1	271	12.76	12.87	12.71		
100	QPSK	135	0	12.78	12.86	12.77	13.6	0.0
100	QPSK	135	69	12.81	12.91	12.78	13.6	0.0
100	QPSK	135	138	12.82	12.86	12.75	13.6	0.0
100	QPSK	270	0	12.79	12.89	12.76		
100	16QAM	1	1	12.67	12.80	12.75	13.6	0.0
100	64QAM	1	1	12.81	12.92	12.82	13.6	0.0
100	256QAM	1	1	12.76	12.84	12.72	13.6	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	12.83	12.79	12.69	13.6	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	12.73	12.87	12.63	13.6	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	12.78	12.90	12.78	13.6	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	12.77	12.84	12.70	13.6	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	12.80	12.86	12.71	13.6	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	12.85	12.76	12.71	13.6	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	12.83	12.83	12.75	13.6	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	12.75	12.84	12.78	13.6	0.0

Part27O n77 for Ant.1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	12.61	12.67	12.56	13.5	0.0
100	PI/2 BPSK	1	137	12.67	12.77	12.70		
100	PI/2 BPSK	1	271	12.73	12.79	12.71		
100	PI/2 BPSK	135	0	12.72	12.75	12.62	13.5	0.0
100	PI/2 BPSK	135	69	12.56	12.73	12.59	13.5	0.0
100	PI/2 BPSK	135	138	12.57	12.68	12.60	13.5	0.0
100	PI/2 BPSK	270	0	12.61	12.75	12.68		
100	QPSK	1	1	12.87	12.89	12.73	13.5	0.0
100	QPSK	1	137	12.67	12.81	12.68		
100	QPSK	1	271	12.47	12.59	12.53		
100	QPSK	135	0	12.65	12.79	12.70	13.5	0.0
100	QPSK	135	69	12.68	12.74	12.63	13.5	0.0
100	QPSK	135	138	12.48	12.59	12.53	13.5	0.0
100	QPSK	270	0	12.72	12.76	12.58		
100	16QAM	1	1	12.51	12.57	12.49	13.5	0.0
100	64QAM	1	1	12.57	12.75	12.71	13.5	0.0
100	256QAM	1	1	12.63	12.70	12.54	13.5	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	12.72	12.81	12.66	13.5	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	12.84	12.84	12.55	13.5	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	12.77	12.86	12.63	13.5	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	12.73	12.83	12.68	13.5	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	12.85	12.76	12.64	13.5	0.0

Part27Q n77 for Ant.1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		11.86		13.5	0.0
100	PI/2 BPSK	1	137		12.08			
100	PI/2 BPSK	1	271		11.94			
100	PI/2 BPSK	135	0		11.92		13.5	0.0
100	PI/2 BPSK	135	69		11.98		13.5	0.0
100	PI/2 BPSK	135	138		11.98		13.5	0.0
100	PI/2 BPSK	270	0		12.01			
100	QPSK	1	1		12.16		13.5	0.0
100	QPSK	1	137		11.95			
100	QPSK	1	271		12.11			
100	QPSK	135	0		11.91		13.5	0.0
100	QPSK	135	69		12.03		13.5	0.0
100	QPSK	135	138		11.89		13.5	0.0
100	QPSK	270	0		11.96			
100	16QAM	1	1		11.84		13.5	0.0
100	64QAM	1	1		11.99		13.5	0.0
100	256QAM	1	1		11.93		13.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.12	12.03	11.99	13.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	11.99	12.07	12.11	13.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.05	12.08	12.10	13.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.00	12.00	11.98	13.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.03	12.12	12.14	13.5	0.0

Part27O n78 for Ant.1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		12.83		13.5	0.0
100	PI/2 BPSK	1	137		12.76			
100	PI/2 BPSK	1	271		12.78			
100	PI/2 BPSK	135	0		12.68		13.5	0.0
100	PI/2 BPSK	135	69		12.79		13.5	0.0
100	PI/2 BPSK	135	138		12.74		13.5	0.0
100	PI/2 BPSK	270	0		12.71			
100	QPSK	1	1		12.86		13.5	0.0
100	QPSK	1	137		12.71			
100	QPSK	1	271		12.80			
100	QPSK	135	0		12.77		13.5	0.0
100	QPSK	135	69		12.82		13.5	0.0
100	QPSK	135	138		12.71		13.5	0.0
100	QPSK	270	0		12.75			
100	16QAM	1	1		12.41		13.5	0.0
100	64QAM	1	1		12.62		13.5	0.0
100	256QAM	1	1		12.60		13.5	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	12.77	12.69	12.78	13.5	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	12.83	12.68	12.81	13.5	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	12.72	12.76	12.73	13.5	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	12.74	12.78	12.75	13.5	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	12.76	12.84	12.72	13.5	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	12.71	12.72	12.84	13.5	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	12.78	12.70	12.69	13.5	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	12.75	12.79	12.80	13.5	0.0

Part27Q 78 for Ant.1								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		12.12		13.5	0.0
100	PI/2 BPSK	1	137		12.10			
100	PI/2 BPSK	1	271		12.06			
100	PI/2 BPSK	135	0		11.88		13.5	0.0
100	PI/2 BPSK	135	69		11.94		13.5	0.0
100	PI/2 BPSK	135	138		11.97		13.5	0.0
100	PI/2 BPSK	270	0		11.90			
100	QPSK	1	1		12.17		13.5	0.0
100	QPSK	1	137		12.04			
100	QPSK	1	271		12.08			
100	QPSK	135	0		11.88		13.5	0.0
100	QPSK	135	69		12.05		13.5	0.0
100	QPSK	135	138		11.95		13.5	0.0
100	QPSK	270	0		11.97			
100	16QAM	1	1		11.85		13.5	0.0
100	64QAM	1	1		11.77		13.5	0.0
100	256QAM	1	1		11.95		13.5	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	12.01	12.06	12.08	13.5	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.11	12.08	12.01	13.5	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	12.02	12.14	12.08	13.5	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	12.06	12.09	12.07	13.5	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	12.00	12.10	12.15	13.5	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.06	12.10	12.08	13.5	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.12	12.07	12.09	13.5	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.14	12.10	12.06	13.5	0.0

n7 for Ant.2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	22.73	22.73	22.59	24.0	0.0
50	PI/2 BPSK	1	135	22.56	22.73	22.64		
50	PI/2 BPSK	1	268	22.74	22.72	22.70		
50	PI/2 BPSK	135	0	21.99	22.16	22.13	23.5	0.5
50	PI/2 BPSK	135	68	22.52	22.69	22.59	24.0	0.0
50	PI/2 BPSK	135	135	22.25	22.35	22.21	23.5	0.5
50	PI/2 BPSK	270	0	22.16	22.24	21.98		
50	QPSK	1	1	22.73	22.86	22.78	24.0	0.0
50	QPSK	1	135	22.57	22.79	22.68		
50	QPSK	1	268	22.52	22.69	22.71		
50	QPSK	135	0	21.54	21.64	21.44	23.0	1.0
50	QPSK	135	68	22.67	22.68	22.56	24.0	0.0
50	QPSK	135	135	21.52	21.62	21.50	23.0	1.0
50	QPSK	270	0	21.71	21.80	21.61		
50	16QAM	1	1	21.96	21.94	21.83	23.0	1.0
50	64QAM	1	1	20.28	20.33	20.29	21.5	2.5
50	256QAM	1	1	18.37	18.34	18.23	19.5	4.5
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	22.59	22.68	22.66	24.0	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	22.67	22.82	22.70	24.0	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	22.55	22.72	22.70	24.0	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	22.71	22.75	22.69	24.0	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	22.63	22.77	22.63	24.0	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	22.64	22.76	22.64	24.0	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	22.62	22.80	22.68	24.0	0.0

n41 for Ant.2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	22.67	22.79	22.69	24.0	0.0
100	PI/2 BPSK	1	137	22.55	22.65	22.52		
100	PI/2 BPSK	1	271	22.69	22.73	22.62		
100	PI/2 BPSK	135	0	22.29	22.38	22.33	23.5	0.5
100	PI/2 BPSK	135	69	22.62	22.69	22.51	24.0	0.0
100	PI/2 BPSK	135	138	22.16	22.30	22.21	23.5	0.5
100	PI/2 BPSK	270	0	22.13	22.21	22.09		
100	QPSK	1	1	22.69	22.87	22.77	24.0	0.0
100	QPSK	1	137	22.61	22.71	22.54		
100	QPSK	1	271	22.67	22.77	22.65		
100	QPSK	135	0	21.87	21.92	21.82	23.0	1.0
100	QPSK	135	69	22.62	22.76	22.69	24.0	0.0
100	QPSK	135	138	21.68	21.79	21.62	23.0	1.0
100	QPSK	270	0	21.69	21.82	21.75		
100	16QAM	1	1	21.69	21.84	21.75	23.0	1.0
100	64QAM	1	1	20.43	20.45	20.27	21.5	2.5
100	256QAM	1	1	18.31	18.38	18.26	19.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	22.58	22.73	22.71	24.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	22.61	22.71	22.65	24.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	22.55	22.83	22.65	24.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	22.55	22.79	22.60	24.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	22.57	22.77	22.74	24.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	22.62	22.83	22.74	24.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	22.59	22.75	22.67	24.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	22.63	22.74	22.73	24.0	0.0

n41 PC2 for Ant.2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	25.60	25.65	25.53	27.0	0.0
100	PI/2 BPSK	1	137	25.53	25.48	25.44		
100	PI/2 BPSK	1	271	25.55	25.71	25.62		
100	PI/2 BPSK	135	0	24.88	25.06	24.92	26.5	0.5
100	PI/2 BPSK	135	69	25.48	25.53	25.40	27.0	0.0
100	PI/2 BPSK	135	138	25.02	25.03	24.93	26.5	0.5
100	PI/2 BPSK	270	0	25.13	25.21	25.06		
100	QPSK	1	1	25.77	25.85	25.63	27.0	0.0
100	QPSK	1	137	25.62	25.61	25.61		
100	QPSK	1	271	25.45	25.59	25.38		
100	QPSK	135	0	24.64	24.60	24.42	26.0	1.0
100	QPSK	135	69	25.56	25.64	25.57	27.0	0.0
100	QPSK	135	138	24.36	24.53	24.42	26.0	1.0
100	QPSK	270	0	24.49	24.65	24.45		
100	16QAM	1	1	24.75	24.85	24.91	26.0	1.0
100	64QAM	1	1	23.10	23.14	23.03	24.5	2.5
100	256QAM	1	1	20.93	21.07	21.04	22.5	4.5
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	25.67	25.80	25.60	27.0	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	25.62	25.73	25.48	27.0	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	25.70	25.70	25.53	27.0	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	25.54	25.62	25.53	27.0	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	25.60	25.68	25.57	27.0	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	25.72	25.74	25.59	27.0	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	25.67	25.74	25.60	27.0	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	25.62	25.78	25.49	27.0	0.0

Part27O n77 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.74	21.78	21.72	22.9	0.0
100	PI/2 BPSK	1	137	21.65	21.71	21.78		
100	PI/2 BPSK	1	271	21.71	21.78	21.69		
100	PI/2 BPSK	135	0	21.52	21.71	21.60	22.9	0.0
100	PI/2 BPSK	135	69	21.62	21.75	21.74	22.9	0.0
100	PI/2 BPSK	135	138	21.59	21.72	21.68	22.9	0.0
100	PI/2 BPSK	270	0	21.71	21.75	21.69		
100	QPSK	1	1	21.78	21.88	21.68	22.9	0.0
100	QPSK	1	137	21.73	21.84	21.66		
100	QPSK	1	271	21.71	21.71	21.55		
100	QPSK	135	0	21.68	21.73	21.75	22.9	0.0
100	QPSK	135	69	21.60	21.83	21.73	22.9	0.0
100	QPSK	135	138	21.48	21.54	21.37	22.9	0.0
100	QPSK	270	0	21.54	21.58	21.57		
100	16QAM	1	1	21.42	21.52	21.44	22.9	0.0
100	64QAM	1	1	20.76	20.73	20.75	21.5	1.4
100	256QAM	1	1	19.15	18.98	19.10	19.5	3.4
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	21.36	21.38	21.30	22.9	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	21.28	21.34	21.15	22.9	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	21.29	21.37	21.16	22.9	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	21.35	21.35	21.22	22.9	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	21.33	21.36	21.21	22.9	0.0

Part27O n77 PC2 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	21.64	21.74	21.57	22.9	0.0
100	PI/2 BPSK	1	137	21.53	21.70	21.62		
100	PI/2 BPSK	1	271	21.59	21.60	21.49		
100	PI/2 BPSK	135	0	21.15	21.22	21.13	22.9	0.0
100	PI/2 BPSK	135	69	21.69	21.71	21.66	22.9	0.0
100	PI/2 BPSK	135	138	21.10	21.20	21.02	22.9	0.0
100	PI/2 BPSK	270	0	21.04	21.14	21.00		
100	QPSK	1	1	21.64	21.79	21.71	22.9	0.0
100	QPSK	1	137	21.60	21.64	21.53		
100	QPSK	1	271	21.59	21.70	21.65		
100	QPSK	135	0	21.66	21.72	21.66	22.9	0.0
100	QPSK	135	69	21.62	21.63	21.49	22.9	0.0
100	QPSK	135	138	21.66	21.67	21.64	22.9	0.0
100	QPSK	270	0	21.54	21.65	21.57		
100	16QAM	1	1	21.62	21.72	21.63	22.9	0.0
100	64QAM	1	1	21.51	21.69	21.54	22.9	0.0
100	256QAM	1	1	21.27	21.39	21.28	22.5	0.4
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	21.49	21.75	21.56	22.9	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	21.58	21.64	21.71	22.9	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	21.57	21.65	21.70	22.9	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	21.56	21.68	21.69	22.9	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	21.45	21.68	21.61	22.9	0.0

Part27Q n77 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.45		22.9	0.0
100	PI/2 BPSK	1	137		21.39			
100	PI/2 BPSK	1	271		21.43			
100	PI/2 BPSK	135	0		21.34		22.9	0.0
100	PI/2 BPSK	135	69		21.46		22.9	0.0
100	PI/2 BPSK	135	138		21.39		22.9	0.0
100	PI/2 BPSK	270	0		21.39			
100	QPSK	1	1		21.52		22.9	0.0
100	QPSK	1	137		21.51			
100	QPSK	1	271		21.39			
100	QPSK	135	0		21.42		22.9	0.0
100	QPSK	135	69		21.50		22.9	0.0
100	QPSK	135	138		21.25		22.9	0.0
100	QPSK	270	0		21.30			
100	16QAM	1	1		21.15		22.9	0.0
100	64QAM	1	1		20.43		21.5	1.4
100	256QAM	1	1		18.67		19.5	3.4
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.36	21.34	21.26	22.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.26	21.29	21.16	22.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.30	21.33	21.10	22.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.36	21.30	21.23	22.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.27	21.33	21.22	22.9	0.0

Part27Q n77 PC2 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.65		22.9	0.0
100	PI/2 BPSK	1	137		21.60			
100	PI/2 BPSK	1	271		21.48			
100	PI/2 BPSK	135	0		21.08		22.9	0.0
100	PI/2 BPSK	135	69		21.65		22.9	0.0
100	PI/2 BPSK	135	138		21.07		22.9	0.0
100	PI/2 BPSK	270	0		21.07			
100	QPSK	1	1		21.66		22.9	0.0
100	QPSK	1	137		21.58			
100	QPSK	1	271		21.58			
100	QPSK	135	0		21.59		21.9	1.0
100	QPSK	135	69		21.54		22.9	0.0
100	QPSK	135	138		21.58		21.9	1.0
100	QPSK	270	0		21.54			
100	16QAM	1	1		21.50		22.9	0.0
100	64QAM	1	1		21.41		22.9	0.0
100	256QAM	1	1		21.25		22.5	0.4
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.43	21.56	21.47	22.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.50	21.52	21.62	22.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.45	21.54	21.59	22.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.43	21.57	21.60	22.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.38	21.56	21.48	22.9	0.0

Part27O n78 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		21.39		22.9	0.0
100	PI/2 BPSK	1	137		21.35			
100	PI/2 BPSK	1	271		21.34			
100	PI/2 BPSK	135	0		21.31		22.9	0.0
100	PI/2 BPSK	135	69		21.40		22.9	0.0
100	PI/2 BPSK	135	138		21.35		22.9	0.0
100	PI/2 BPSK	270	0		21.30			
100	QPSK	1	1		21.50		22.9	0.0
100	QPSK	1	137		21.47			
100	QPSK	1	271		21.33			
100	QPSK	135	0		21.39		22.9	0.0
100	QPSK	135	69		21.46		22.9	0.0
100	QPSK	135	138		21.20		22.9	0.0
100	QPSK	270	0		21.29			
100	16QAM	1	1		21.10		22.9	0.0
100	64QAM	1	1		20.38		21.5	1.4
100	256QAM	1	1		18.65		19.5	3.4
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	21.21	21.31	21.13	22.9	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	21.34	21.29	21.22	22.9	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	21.27	21.32	21.16	22.9	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	21.18	21.23	21.11	22.9	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	21.19	21.32	21.12	22.9	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	21.27	21.31	21.04	22.9	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	21.33	21.22	21.17	22.9	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	21.18	21.26	21.13	22.9	0.0

Part27O n78 PC2 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		21.47		22.9	0.0
100	PI/2 BPSK	1	137		21.52			
100	PI/2 BPSK	1	271		21.39			
100	PI/2 BPSK	135	0		20.99		22.9	0.0
100	PI/2 BPSK	135	69		21.49		22.9	0.0
100	PI/2 BPSK	135	138		21.01		22.9	0.0
100	PI/2 BPSK	270	0		21.03			
100	QPSK	1	1		21.58		22.9	0.0
100	QPSK	1	137		21.50			
100	QPSK	1	271		21.53			
100	QPSK	135	0		21.53		21.9	1.0
100	QPSK	135	69		21.56		22.9	0.0
100	QPSK	135	138		21.54		21.9	1.0
100	QPSK	270	0		21.49			
100	16QAM	1	1		21.46		22.9	0.0
100	64QAM	1	1		21.36		22.9	0.0
100	256QAM	1	1		21.17		22.5	0.4
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	21.31	21.42	21.50	22.9	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	21.35	21.51	21.43	22.9	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	21.32	21.51	21.47	22.9	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	21.42	21.49	21.48	22.9	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	21.38	21.55	21.53	22.9	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	21.42	21.45	21.51	22.9	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	21.34	21.52	21.52	22.9	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	21.33	21.53	21.41	22.9	0.0

Part27Q 78 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.33		22.9	0.0
100	PI/2 BPSK	1	137		21.33			
100	PI/2 BPSK	1	271		21.26			
100	PI/2 BPSK	135	0		21.22		22.9	0.0
100	PI/2 BPSK	135	69		21.36		22.9	0.0
100	PI/2 BPSK	135	138		21.32		22.9	0.0
100	PI/2 BPSK	270	0		21.24			
100	QPSK	1	1		21.47		22.9	0.0
100	QPSK	1	137		21.43			
100	QPSK	1	271		21.29			
100	QPSK	135	0		21.38		21.9	1.0
100	QPSK	135	69		21.42		22.9	0.0
100	QPSK	135	138		21.14		21.9	1.0
100	QPSK	270	0		21.23			
100	16QAM	1	1		21.07		22.9	0.0
100	64QAM	1	1		20.34		21.5	1.4
100	256QAM	1	1		18.63		19.5	3.4
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.28	21.41	21.20	22.9	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.40	21.37	21.32	22.9	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.38	21.46	21.26	22.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.29	21.29	21.22	22.9	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.32	21.38	21.22	22.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.34	21.41	21.16	22.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.45	21.29	21.25	22.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.26	21.33	21.19	22.9	0.0

Part27Q 78 PC2 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		21.41		22.9	0.0
100	PI/2 BPSK	1	137		21.51			
100	PI/2 BPSK	1	271		21.36			
100	PI/2 BPSK	135	0		20.98		22.9	0.0
100	PI/2 BPSK	135	69		21.46		22.9	0.0
100	PI/2 BPSK	135	138		20.96		22.9	0.0
100	PI/2 BPSK	270	0		20.96			
100	QPSK	1	1		21.54		22.9	0.0
100	QPSK	1	137		21.46			
100	QPSK	1	271		21.47			
100	QPSK	135	0		21.46		21.9	1.0
100	QPSK	135	69		21.48		22.9	0.0
100	QPSK	135	138		21.53		21.9	1.0
100	QPSK	270	0		21.42			
100	16QAM	1	1		21.45		22.9	0.0
100	64QAM	1	1		21.32		22.9	0.0
100	256QAM	1	1		21.12		22.5	0.4
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	21.26	21.39	21.49	22.9	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	21.32	21.47	21.42	22.9	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	21.30	21.51	21.40	22.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	21.38	21.46	21.41	22.9	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	21.31	21.49	21.48	22.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	21.38	21.38	21.44	22.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	21.33	21.49	21.50	22.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	21.26	21.49	21.38	22.9	0.0

n41 for Ant.4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	14.71	14.84	14.80	15.7	0.0
100	PI/2 BPSK	1	137	14.89	14.92	14.76		
100	PI/2 BPSK	1	271	14.78	14.81	14.63		
100	PI/2 BPSK	135	0	14.78	14.80	14.68	15.7	0.0
100	PI/2 BPSK	135	69	14.81	14.88	14.78	15.7	0.0
100	PI/2 BPSK	135	138	14.77	14.93	14.73	15.7	0.0
100	PI/2 BPSK	270	0	14.78	14.91	14.86		
100	QPSK	1	1	14.88	14.97	14.91	15.7	0.0
100	QPSK	1	137	14.78	14.90	14.82		
100	QPSK	1	271	14.75	14.82	14.65		
100	QPSK	135	0	14.75	14.80	14.66	15.7	0.0
100	QPSK	135	69	14.78	14.91	14.85	15.7	0.0
100	QPSK	135	138	14.72	14.85	14.79	15.7	0.0
100	QPSK	270	0	14.80	14.88	14.72		
100	16QAM	1	1	14.78	14.83	14.67	15.7	0.0
100	64QAM	1	1	14.64	14.80	14.76	15.7	0.0
100	256QAM	1	1	14.55	14.73	14.69	15.7	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	14.74	14.93	14.78	15.7	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	14.78	14.87	14.76	15.7	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	14.70	14.80	14.80	15.7	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	14.76	14.89	14.78	15.7	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	14.72	14.91	14.77	15.7	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	14.77	14.85	14.78	15.7	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	14.81	14.86	14.84	15.7	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	14.80	14.85	14.81	15.7	0.0

Part27O n77 for Ant.4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	12.41	12.53	12.45	13.7	0.0
100	PI/2 BPSK	1	137	12.32	12.40	12.25		
100	PI/2 BPSK	1	271	12.37	12.45	12.43		
100	PI/2 BPSK	135	0	12.38	12.48	12.40	13.7	0.0
100	PI/2 BPSK	135	69	12.50	12.54	12.37	13.7	0.0
100	PI/2 BPSK	135	138	12.47	12.55	12.42	13.7	0.0
100	PI/2 BPSK	270	0	12.49	12.57	12.47		
100	QPSK	1	1	12.35	12.58	12.54	13.7	0.0
100	QPSK	1	137	12.38	12.42	12.38		
100	QPSK	1	271	12.19	12.36	12.26		
100	QPSK	135	0	12.34	12.45	12.30	13.7	0.0
100	QPSK	135	69	12.43	12.53	12.39	13.7	0.0
100	QPSK	135	138	12.39	12.48	12.40	13.7	0.0
100	QPSK	270	0	12.46	12.52	12.46		
100	16QAM	1	1	12.06	12.15	12.02	13.7	0.0
100	64QAM	1	1	12.24	12.38	12.36	13.7	0.0
100	256QAM	1	1	12.34	12.36	12.33	13.7	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	12.32	12.55	12.43	13.7	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	12.21	12.48	12.51	13.7	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	12.29	12.47	12.37	13.7	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	12.28	12.49	12.48	13.7	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	12.26	12.42	12.47	13.7	0.0

Part27Q n77 for Ant.4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		12.05		13.7	0.0
100	PI/2 BPSK	1	137		12.33			
100	PI/2 BPSK	1	271		12.21			
100	PI/2 BPSK	135	0		12.17		13.7	0.0
100	PI/2 BPSK	135	69		12.19		13.7	0.0
100	PI/2 BPSK	135	138		12.30		13.7	0.0
100	PI/2 BPSK	270	0		12.22			
100	QPSK	1	1		12.46		13.7	0.0
100	QPSK	1	137		12.30			
100	QPSK	1	271		12.39			
100	QPSK	135	0		12.26		13.7	0.0
100	QPSK	135	69		12.31		13.7	0.0
100	QPSK	135	138		12.25		13.7	0.0
100	QPSK	270	0		12.29			
100	16QAM	1	1		11.87		13.7	0.0
100	64QAM	1	1		12.10		13.7	0.0
100	256QAM	1	1		12.31		13.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.33	12.34	12.29	13.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	12.33	12.35	12.38	13.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.35	12.31	12.31	13.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.31	12.37	12.35	13.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.28	12.39	12.34	13.7	0.0

Part27O n78 for Ant.4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		12.15		13.7	0.0
100	PI/2 BPSK	1	137		12.25			
100	PI/2 BPSK	1	271		12.38			
100	PI/2 BPSK	135	0		12.21		13.7	0.0
100	PI/2 BPSK	135	69		12.24		13.7	0.0
100	PI/2 BPSK	135	138		12.25		13.7	0.0
100	PI/2 BPSK	270	0		12.22			
100	QPSK	1	1		12.39		13.7	0.0
100	QPSK	1	137		12.27			
100	QPSK	1	271		12.32			
100	QPSK	135	0		12.14		13.7	0.0
100	QPSK	135	69		12.23		13.7	0.0
100	QPSK	135	138		12.17		13.7	0.0
100	QPSK	270	0		12.20			
100	16QAM	1	1		12.03		13.7	0.0
100	64QAM	1	1		12.17		13.7	0.0
100	256QAM	1	1		12.19		13.7	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	12.37	12.23	12.28	13.7	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	12.35	12.36	12.26	13.7	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	12.24	12.28	12.22	13.7	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	12.29	12.29	12.32	13.7	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	12.29	12.33	12.22	13.7	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	12.28	12.22	12.33	13.7	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	12.26	12.28	12.34	13.7	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	12.25	12.30	12.35	13.7	0.0

Part27Q 78 for Ant.4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		11.93		13.7	0.0
100	PI/2 BPSK	1	137		12.19			
100	PI/2 BPSK	1	271		12.21			
100	PI/2 BPSK	135	0		12.07		13.7	0.0
100	PI/2 BPSK	135	69		12.16		13.7	0.0
100	PI/2 BPSK	135	138		12.18		13.7	0.0
100	PI/2 BPSK	270	0		12.15			
100	QPSK	1	1		12.27		13.7	0.0
100	QPSK	1	137		12.21			
100	QPSK	1	271		12.18			
100	QPSK	135	0		12.11		13.7	0.0
100	QPSK	135	69		12.15		13.7	0.0
100	QPSK	135	138		12.09		13.7	0.0
100	QPSK	270	0		12.13			
100	16QAM	1	1		11.72		13.7	0.0
100	64QAM	1	1		11.96		13.7	0.0
100	256QAM	1	1		12.19		13.7	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	12.15	12.17	12.25	13.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.20	12.22	12.15	13.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	12.14	12.16	12.14	13.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	12.22	12.14	12.17	13.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	12.10	12.11	12.12	13.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.19	12.10	12.19	13.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.24	12.21	12.16	13.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.23	12.19	12.15	13.7	0.0

n41 for Ant.5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	12.94	12.93	12.90	14.2	0.0
100	PI/2 BPSK	1	137	12.85	12.93	12.84		
100	PI/2 BPSK	1	271	13.01	12.90	12.88		
100	PI/2 BPSK	135	0	12.93	12.87	12.82	14.2	0.0
100	PI/2 BPSK	135	69	12.90	12.94	12.89	14.2	0.0
100	PI/2 BPSK	135	138	12.88	12.92	12.78	14.2	0.0
100	PI/2 BPSK	270	0	12.79	12.97	12.80		
100	QPSK	1	1	12.96	13.08	12.93	14.2	0.0
100	QPSK	1	137	12.90	12.95	12.95		
100	QPSK	1	271	12.91	13.04	12.89		
100	QPSK	135	0	12.80	12.89	12.77	14.2	0.0
100	QPSK	135	69	12.86	13.06	13.01	14.2	0.0
100	QPSK	135	138	12.89	12.93	12.82	14.2	0.0
100	QPSK	270	0	12.85	13.00	12.86		
100	16QAM	1	1	12.83	12.87	12.89	14.2	0.0
100	64QAM	1	1	12.89	12.90	12.86	14.2	0.0
100	256QAM	1	1	12.79	12.83	12.80	14.2	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	12.86	12.99	12.87	14.2	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	12.92	12.94	12.79	14.2	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	12.81	13.06	12.80	14.2	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	12.87	13.03	12.83	14.2	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	12.84	12.94	12.77	14.2	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	12.87	13.03	12.77	14.2	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	12.88	12.96	12.83	14.2	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	12.83	13.00	12.75	14.2	0.0

Part27O n77 for Ant.5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	9.23	9.16	9.23	10.3	0.0
100	PI/2 BPSK	1	137	9.16	9.24	9.10		
100	PI/2 BPSK	1	271	9.20	9.23	9.22		
100	PI/2 BPSK	135	0	9.25	9.09	9.07	10.3	0.0
100	PI/2 BPSK	135	69	9.16	9.15	9.18	10.3	0.0
100	PI/2 BPSK	135	138	9.22	9.12	9.02	10.3	0.0
100	PI/2 BPSK	270	0	9.02	9.26	9.05		
100	QPSK	1	1	9.19	9.38	9.27	10.3	0.0
100	QPSK	1	137	9.18	9.18	9.14		
100	QPSK	1	271	9.16	9.28	9.22		
100	QPSK	135	0	9.08	9.09	9.06	10.3	0.0
100	QPSK	135	69	9.08	9.34	9.27	10.3	0.0
100	QPSK	135	138	9.22	9.25	9.12	10.3	0.0
100	QPSK	270	0	9.16	9.24	9.09		
100	16QAM	1	1	9.03	9.21	9.18	10.3	0.0
100	64QAM	1	1	9.13	9.21	9.11	10.3	0.0
100	256QAM	1	1	9.12	9.03	9.01	10.3	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	9.16	9.22	9.10	10.3	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	9.16	9.30	9.14	10.3	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	9.09	9.27	9.12	10.3	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	9.10	9.32	9.11	10.3	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	9.09	9.28	9.11	10.3	0.0

Part27Q n77 for Ant.5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		9.08		10.3	0.0
100	PI/2 BPSK	1	137		9.22			
100	PI/2 BPSK	1	271		9.17			
100	PI/2 BPSK	135	0		9.03		10.3	0.0
100	PI/2 BPSK	135	69		9.10		10.3	0.0
100	PI/2 BPSK	135	138		9.05		10.3	0.0
100	PI/2 BPSK	270	0		9.20			
100	QPSK	1	1		9.35		10.3	0.0
100	QPSK	1	137		9.11			
100	QPSK	1	271		9.20			
100	QPSK	135	0		9.00		10.3	0.0
100	QPSK	135	69		9.30		10.3	0.0
100	QPSK	135	138		9.21		10.3	0.0
100	QPSK	270	0		9.18			
100	16QAM	1	1		9.13		10.3	0.0
100	64QAM	1	1		9.12		10.3	0.0
100	256QAM	1	1		8.98		10.3	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	9.13	9.20	9.05	10.3	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	9.14	9.27	9.07	10.3	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	9.05	9.20	9.06	10.3	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	9.04	9.30	9.08	10.3	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	9.07	9.22	9.04	10.3	0.0

Part27O n78 for Ant.5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		8.36		10.3	0.0
100	PI/2 BPSK	1	137		8.38			
100	PI/2 BPSK	1	271		8.32			
100	PI/2 BPSK	135	0		8.51		10.3	0.0
100	PI/2 BPSK	135	69		8.49		10.3	0.0
100	PI/2 BPSK	135	138		8.46		10.3	0.0
100	PI/2 BPSK	270	0		8.39			
100	QPSK	1	1		8.53		10.3	0.0
100	QPSK	1	137		8.33			
100	QPSK	1	271		8.49			
100	QPSK	135	0		8.45		10.3	0.0
100	QPSK	135	69		8.50		10.3	0.0
100	QPSK	135	138		8.37		10.3	0.0
100	QPSK	270	0		8.41			
100	16QAM	1	1		8.34		10.3	0.0
100	64QAM	1	1		8.39		10.3	0.0
100	256QAM	1	1		8.44		10.3	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	8.46	8.48	8.45	10.3	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	8.48	8.45	8.43	10.3	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	8.39	8.46	8.50	10.3	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	8.38	8.45	8.36	10.3	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	8.35	8.49	8.42	10.3	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	8.45	8.36	8.41	10.3	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	8.49	8.44	8.44	10.3	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	8.43	8.43	8.38	10.3	0.0

Part27Q 78 for Ant.5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		8.34		10.3	0.0
100	PI/2 BPSK	1	137		8.37			
100	PI/2 BPSK	1	271		8.40			
100	PI/2 BPSK	135	0		8.43		10.3	0.0
100	PI/2 BPSK	135	69		8.42		10.3	0.0
100	PI/2 BPSK	135	138		8.41		10.3	0.0
100	PI/2 BPSK	270	0		8.32			
100	QPSK	1	1		8.49		10.3	0.0
100	QPSK	1	137		8.31			
100	QPSK	1	271		8.42			
100	QPSK	135	0		8.41		10.3	0.0
100	QPSK	135	69		8.45		10.3	0.0
100	QPSK	135	138		8.40		10.3	0.0
100	QPSK	270	0		8.38			
100	16QAM	1	1		8.40		10.3	0.0
100	64QAM	1	1		8.35		10.3	0.0
100	256QAM	1	1		8.36		10.3	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	8.39	8.45	8.38	10.3	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	8.43	8.37	8.37	10.3	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	8.35	8.41	8.44	10.3	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	8.32	8.41	8.34	10.3	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	8.40	8.47	8.35	10.3	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	8.40	8.40	8.39	10.3	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	8.41	8.39	8.39	10.3	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	8.36	8.42	8.36	10.3	0.0

Reduced Power Mode for DSI 3

n2 for Ant.0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				372000	376000	380000		
Frequency (MHz)				1860	1880	1900		
20	PI/2 BPSK	1	1	16.12	16.23	16.11	17.3	0.0
20	PI/2 BPSK	1	53	16.01	16.13	16.05		
20	PI/2 BPSK	1	104	16.02	16.15	16.01		
20	PI/2 BPSK	50	0	16.19	16.19	16.09	17.3	0.0
20	PI/2 BPSK	50	28	16.03	16.12	16.10	17.3	0.0
20	PI/2 BPSK	50	56	15.97	16.18	16.06	17.3	0.0
20	PI/2 BPSK	100	0	16.08	16.19	16.07		
20	QPSK	1	1	16.19	16.28	16.15	17.3	0.0
20	QPSK	1	53	16.06	16.11	16.07		
20	QPSK	1	104	16.06	16.19	16.10		
20	QPSK	50	0	16.15	16.19	16.14	17.3	0.0
20	QPSK	50	28	16.10	16.20	16.16	17.3	0.0
20	QPSK	50	56	16.07	16.15	16.04	17.3	0.0
20	QPSK	100	0	16.10	16.21	16.09		
20	16QAM	1	1	16.19	16.17	16.17	17.3	0.0
20	64QAM	1	1	15.96	16.12	16.10	17.3	0.0
20	256QAM	1	1	15.94	16.07	16.03	17.3	0.0
Channel				371500	376000	380500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1857.5	1880	1902.5		
15	QPSK	1	1	16.10	16.14	16.07	17.3	0.0
Channel				371000	376000	381000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1855	1880	1905		
10	QPSK	1	1	16.10	16.18	16.07	17.3	0.0
Channel				370500	376000	381500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1852.5	1880	1907.5		
5	QPSK	1	1	16.10	16.21	16.06	17.3	0.0

n5 for Ant.0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				166800	167300	167800		
Frequency (MHz)				834	836.5	839		
20	PI/2 BPSK	1	1	18.58	18.66	18.64	19.8	0.0
20	PI/2 BPSK	1	53	18.56	18.60	18.57		
20	PI/2 BPSK	1	104	18.43	18.61	18.53		
20	PI/2 BPSK	50	0	18.55	18.64	18.56	19.8	0.0
20	PI/2 BPSK	50	28	18.66	18.65	18.65	19.8	0.0
20	PI/2 BPSK	50	56	18.52	18.64	18.61	19.8	0.0
20	PI/2 BPSK	100	0	18.60	18.63	18.55		
20	QPSK	1	1	18.54	18.72	18.58	19.8	0.0
20	QPSK	1	53	18.55	18.59	18.50		
20	QPSK	1	104	18.63	18.62	18.60		
20	QPSK	50	0	18.56	18.65	18.60	19.8	0.0
20	QPSK	50	28	18.59	18.70	18.56	19.8	0.0
20	QPSK	50	56	18.59	18.55	18.46	19.8	0.0
20	QPSK	100	0	18.56	18.68	18.56		
20	16QAM	1	1	18.61	18.65	18.63	19.8	0.0
20	64QAM	1	1	18.63	18.60	18.62	19.8	0.0
20	256QAM	1	1	18.58	18.57	18.53	19.8	0.0
Channel				166300	167300	168300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				831.5	836.5	841.5		
15	QPSK	1	1	18.51	18.64	18.56	19.8	0.0
Channel				165800	167300	168800	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				829	836.5	844		
10	QPSK	1	1	18.51	18.62	18.50	19.8	0.0
Channel				165300	167300	169300	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				826.5	836.5	846.5		
5	QPSK	1	1	18.50	18.60	18.50	19.8	0.0

n7 for Ant.0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	10.30	10.39	10.34	11.6	0.0
50	PI/2 BPSK	1	135	10.22	10.31	10.19		
50	PI/2 BPSK	1	268	10.19	10.36	10.30		
50	PI/2 BPSK	135	0	10.28	10.23	10.12	11.6	0.0
50	PI/2 BPSK	135	68	10.18	10.33	10.18	11.6	0.0
50	PI/2 BPSK	135	135	10.16	10.18	10.15	11.6	0.0
50	PI/2 BPSK	270	0	10.19	10.27	10.25		
50	QPSK	1	1	10.38	10.46	10.35	11.6	0.0
50	QPSK	1	135	10.29	10.31	10.31		
50	QPSK	1	268	10.41	10.45	10.33		
50	QPSK	135	0	10.20	10.29	10.14	11.6	0.0
50	QPSK	135	68	10.22	10.31	10.24	11.6	0.0
50	QPSK	135	135	10.21	10.28	10.28	11.6	0.0
50	QPSK	270	0	10.19	10.30	10.23		
50	16QAM	1	1	10.26	10.40	10.31	11.6	0.0
50	64QAM	1	1	10.24	10.43	10.33	11.6	0.0
50	256QAM	1	1	10.18	10.33	10.12	11.6	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	10.29	10.32	10.22	11.6	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	10.25	10.38	10.30	11.6	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	10.27	10.36	10.26	11.6	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	10.25	10.33	10.28	11.6	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	10.34	10.33	10.25	11.6	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	10.33	10.38	10.25	11.6	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	10.27	10.34	10.31	11.6	0.0

n66 for Ant.0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				345000	349000	353000		
Frequency (MHz)				1725	1745	1765		
30	PI/2 BPSK	1	1	15.59	15.75	15.72	16.9	0.0
30	PI/2 BPSK	1	80	15.50	15.61	15.52		
30	PI/2 BPSK	1	158	15.48	15.66	15.60		
30	PI/2 BPSK	80	0	15.50	15.56	15.59	16.9	0.0
30	PI/2 BPSK	80	40	15.58	15.68	15.50	16.9	0.0
30	PI/2 BPSK	80	80	15.55	15.71	15.63	16.9	0.0
30	PI/2 BPSK	160	0	15.58	15.74	15.58		
30	QPSK	1	1	15.71	15.82	15.63	16.9	0.0
30	QPSK	1	80	15.60	15.71	15.57		
30	QPSK	1	158	15.65	15.77	15.66		
30	QPSK	80	0	15.58	15.57	15.48	16.9	0.0
30	QPSK	80	40	15.73	15.81	15.67	16.9	0.0
30	QPSK	80	80	15.54	15.70	15.54	16.9	0.0
30	QPSK	160	0	15.60	15.80	15.61		
30	16QAM	1	1	15.57	15.65	15.60	16.9	0.0
30	64QAM	1	1	15.60	15.58	15.54	16.9	0.0
30	256QAM	1	1	15.49	15.62	15.50	16.9	0.0
Channel				344000	349000	354000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1720	1745	1770		
20	PI/2 BPSK	1	1	15.67	15.75	15.58	16.9	0.0
Channel				343500	349000	354500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1717.5	1745	1772.5		
15	QPSK	1	1	15.60	15.71	15.57	16.9	0.0
Channel				343000	349000	355000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1715	1745	1775		
10	QPSK	1	1	15.61	15.67	15.60	16.9	0.0
Channel				342500	349000	355500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				1712.5	1745	1777.5		
5	QPSK	1	1	15.66	15.68	15.52	16.9	0.0

n38 for Ant.0								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				518004	519000	519996		
Frequency (MHz)				2590.02	2595	2599.98		
40	PI/2 BPSK	1	1	9.46	9.52	9.47	11.1	0.0
40	PI/2 BPSK	1	53	9.36	9.49	9.29		
40	PI/2 BPSK	1	104	9.26	9.37	9.22		
40	PI/2 BPSK	50	0	9.24	9.44	9.39	11.1	0.0
40	PI/2 BPSK	50	28	9.32	9.37	9.29	11.1	0.0
40	PI/2 BPSK	50	56	9.22	9.36	9.28	11.1	0.0
40	PI/2 BPSK	100	0	9.31	9.32	9.27		
40	QPSK	1	1	9.54	9.56	9.43	11.1	0.0
40	QPSK	1	53	9.47	9.48	9.30		
40	QPSK	1	104	9.49	9.52	9.38		
40	QPSK	50	0	9.33	9.38	9.35	11.1	0.0
40	QPSK	50	28	9.31	9.45	9.39	11.1	0.0
40	QPSK	50	56	9.35	9.32	9.36	11.1	0.0
40	QPSK	100	0	9.31	9.40	9.26		
40	16QAM	1	1	9.21	9.42	9.21	11.1	0.0
40	64QAM	1	1	9.38	9.44	9.30	11.1	0.0
40	256QAM	1	1	9.25	9.45	9.35	11.1	0.0
Channel				517002	519000	520998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2585.01	2595	2604.99		
30	QPSK	1	1	9.43	9.44	9.40	11.1	0.0
Channel				516000	519000	522000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2580	2595	2610		
20	PI/2 BPSK	1	1	9.43	9.48	9.28	11.1	0.0

n7 for Ant.2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				505000	507000	509000		
Frequency (MHz)				2525	2535	2545		
50	PI/2 BPSK	1	1	14.47	14.55	14.42	15.7	0.0
50	PI/2 BPSK	1	135	14.44	14.52	14.47		
50	PI/2 BPSK	1	268	14.37	14.49	14.34		
50	PI/2 BPSK	135	0	14.36	14.46	14.31	15.7	0.0
50	PI/2 BPSK	135	68	14.47	14.53	14.49	15.7	0.0
50	PI/2 BPSK	135	135	14.42	14.52	14.40	15.7	0.0
50	PI/2 BPSK	270	0	14.34	14.48	14.39		
50	QPSK	1	1	14.52	14.59	14.45	15.7	0.0
50	QPSK	1	135	14.34	14.48	14.39		
50	QPSK	1	268	14.38	14.51	14.37		
50	QPSK	135	0	14.33	14.44	14.29	14.7	1.0
50	QPSK	135	68	14.49	14.52	14.45	15.7	0.0
50	QPSK	135	135	14.35	14.44	14.30	14.7	1.0
50	QPSK	270	0	14.42	14.46	14.36		
50	16QAM	1	1	14.44	14.58	14.50	15.7	0.0
50	64QAM	1	1	14.42	14.53	14.40	15.7	0.0
50	256QAM	1	1	14.43	14.49	14.37	15.7	0.0
Channel				504000	507000	510000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2520	2535	2550		
40	QPSK	1	1	14.43	14.52	14.31	15.7	0.0
Channel				503000	507000	511000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2515	2535	2555		
30	QPSK	1	1	14.45	14.46	14.40	15.7	0.0
Channel				502500	507000	511500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2512.5	2535	2557.5		
25	QPSK	1	1	14.41	14.44	14.38	15.7	0.0
Channel				502000	507000	512000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2510	2535	2560		
20	QPSK	1	1	14.40	14.45	14.35	15.7	0.0
Channel				501500	507000	512500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2507.5	2535	2562.5		
15	QPSK	1	1	14.37	14.56	14.36	15.7	0.0
Channel				501000	507000	513000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2505	2535	2565		
10	QPSK	1	1	14.43	14.56	14.36	15.7	0.0
Channel				500500	507000	513500	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2502.5	2535	2567.5		
5	QPSK	1	1	14.44	14.50	14.35	15.7	0.0

n41 PC2&3 for Ant.2								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	15.73	15.88	15.74	17.2	0.0
100	PI/2 BPSK	1	137	15.89	15.96	15.82		
100	PI/2 BPSK	1	271	15.72	15.83	15.74		
100	PI/2 BPSK	135	0	15.75	15.80	15.71	17.2	0.0
100	PI/2 BPSK	135	69	15.92	16.00	15.85	17.2	0.0
100	PI/2 BPSK	135	138	15.83	15.98	15.91	17.2	0.0
100	PI/2 BPSK	270	0	15.83	15.96	15.85		
100	QPSK	1	1	15.89	16.03	15.94	17.2	0.0
100	QPSK	1	137	15.82	15.95	15.83		
100	QPSK	1	271	15.92	16.00	15.94		
100	QPSK	135	0	15.85	15.89	15.80	17.2	0.0
100	QPSK	135	69	15.83	15.94	15.90	17.2	0.0
100	QPSK	135	138	15.81	15.86	15.76	17.2	0.0
100	QPSK	270	0	15.84	15.91	15.80		
100	16QAM	1	1	15.83	15.88	15.79	17.2	0.0
100	64QAM	1	1	15.62	15.76	15.71	17.2	0.0
100	256QAM	1	1	15.65	15.72	15.60	17.2	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	15.77	15.96	15.90	17.2	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	15.84	15.91	15.84	17.2	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	15.78	15.93	15.86	17.2	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	15.75	15.89	15.89	17.2	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	15.82	15.94	15.89	17.2	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	15.79	15.99	15.87	17.2	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	15.85	15.94	15.83	17.2	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	15.81	15.98	15.84	17.2	0.0

Part27O n77 PC2&3 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	7.86	7.93	7.89	8.9	0.0
100	PI/2 BPSK	1	137	7.77	7.85	7.73		
100	PI/2 BPSK	1	271	7.86	7.92	7.82		
100	PI/2 BPSK	135	0	7.84	7.90	7.76	8.9	0.0
100	PI/2 BPSK	135	69	7.89	7.93	7.89	8.9	0.0
100	PI/2 BPSK	135	138	7.74	7.84	7.79	8.9	0.0
100	PI/2 BPSK	270	0	7.85	7.90	7.77		
100	QPSK	1	1	7.99	8.05	7.90	8.9	0.0
100	QPSK	1	137	7.93	7.99	7.85		
100	QPSK	1	271	7.74	7.88	7.83		
100	QPSK	135	0	7.81	7.86	7.82	8.9	0.0
100	QPSK	135	69	7.86	7.94	7.88	8.9	0.0
100	QPSK	135	138	7.76	7.86	7.74	8.9	0.0
100	QPSK	270	0	7.79	7.91	7.85		
100	16QAM	1	1	7.84	7.96	7.81	8.9	0.0
100	64QAM	1	1	7.79	7.86	7.78	8.9	0.0
100	256QAM	1	1	7.75	7.82	7.70	8.9	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	7.86	7.96	7.85	8.9	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	7.87	7.92	7.78	8.9	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	7.90	7.92	7.86	8.9	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	7.87	7.90	7.82	8.9	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	7.89	7.99	7.80	8.9	0.0

Part27Q n77 PC2&3 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		8.02		8.9	0.0
100	PI/2 BPSK	1	137		7.91			
100	PI/2 BPSK	1	271		7.98			
100	PI/2 BPSK	135	0		7.82		8.9	0.0
100	PI/2 BPSK	135	69		7.92		8.9	0.0
100	PI/2 BPSK	135	138		7.86		8.9	0.0
100	PI/2 BPSK	270	0		7.87			
100	QPSK	1	1		8.08		8.9	0.0
100	QPSK	1	137		7.87			
100	QPSK	1	271		8.05			
100	QPSK	135	0		7.78		8.9	0.0
100	QPSK	135	69		7.96		8.9	0.0
100	QPSK	135	138		7.85		8.9	0.0
100	QPSK	270	0		7.88			
100	16QAM	1	1		7.92		8.9	0.0
100	64QAM	1	1		7.90		8.9	0.0
100	256QAM	1	1		7.84		8.9	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	8.02	8.00	7.97	8.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	8.05	7.99	8.01	8.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	7.94	8.05	8.03	8.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	7.97	7.94	8.03	8.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	7.98	7.98	8.00	8.9	0.0

Part27O n78 PC2&3 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		7.75		8.9	0.0
100	PI/2 BPSK	1	137		7.78			
100	PI/2 BPSK	1	271		7.70			
100	PI/2 BPSK	135	0		7.69		8.9	0.0
100	PI/2 BPSK	135	69		7.72		8.9	0.0
100	PI/2 BPSK	135	138		7.62		8.9	0.0
100	PI/2 BPSK	270	0		7.68			
100	QPSK	1	1		7.81		8.9	0.0
100	QPSK	1	137		7.71			
100	QPSK	1	271		7.68			
100	QPSK	135	0		7.68		8.9	0.0
100	QPSK	135	69		7.73		8.9	0.0
100	QPSK	135	138		7.61		8.9	0.0
100	QPSK	270	0		7.69			
100	16QAM	1	1		7.76		8.9	0.0
100	64QAM	1	1		7.72		8.9	0.0
100	256QAM	1	1		7.65		8.9	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	7.70	7.70	7.77	8.9	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	7.75	7.78	7.69	8.9	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	7.69	7.77	7.74	8.9	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	7.68	7.76	7.67	8.9	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	7.68	7.66	7.67	8.9	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	7.75	7.69	7.73	8.9	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	7.71	7.73	7.68	8.9	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	7.76	7.74	7.67	8.9	0.0

Part27Q 78 PC2&3 for Ant.3								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		7.85		8.9	0.0
100	PI/2 BPSK	1	137		7.76			
100	PI/2 BPSK	1	271		7.80			
100	PI/2 BPSK	135	0		7.72		8.9	0.0
100	PI/2 BPSK	135	69		7.81		8.9	0.0
100	PI/2 BPSK	135	138		7.82		8.9	0.0
100	PI/2 BPSK	270	0		7.85			
100	QPSK	1	1		7.92		8.9	0.0
100	QPSK	1	137		7.75			
100	QPSK	1	271		7.86			
100	QPSK	135	0		7.74		8.9	0.0
100	QPSK	135	69		7.85		8.9	0.0
100	QPSK	135	138		7.77		8.9	0.0
100	QPSK	270	0		7.81			
100	16QAM	1	1		7.79		8.9	0.0
100	64QAM	1	1		7.68		8.9	0.0
100	256QAM	1	1		7.80		8.9	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	7.77	7.82	7.84	8.9	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	7.85	7.82	7.84	8.9	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	7.81	7.80	7.78	8.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	7.88	7.87	7.81	8.9	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	7.89	7.85	7.87	8.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	7.89	7.89	7.87	8.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	7.81	7.88	7.85	8.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	7.83	7.81	7.85	8.9	0.0

n41 for Ant.4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	14.71	14.84	14.80	15.7	0.0
100	PI/2 BPSK	1	137	14.89	14.92	14.76		
100	PI/2 BPSK	1	271	14.78	14.81	14.63		
100	PI/2 BPSK	135	0	14.78	14.80	14.68	15.7	0.0
100	PI/2 BPSK	135	69	14.81	14.88	14.78	15.7	0.0
100	PI/2 BPSK	135	138	14.77	14.93	14.73	15.7	0.0
100	PI/2 BPSK	270	0	14.78	14.91	14.86		
100	QPSK	1	1	14.88	14.97	14.91	15.7	0.0
100	QPSK	1	137	14.78	14.90	14.82		
100	QPSK	1	271	14.75	14.82	14.65		
100	QPSK	135	0	14.75	14.80	14.66	15.7	0.0
100	QPSK	135	69	14.78	14.91	14.85	15.7	0.0
100	QPSK	135	138	14.72	14.85	14.79	15.7	0.0
100	QPSK	270	0	14.80	14.88	14.72		
100	16QAM	1	1	14.78	14.83	14.67	15.7	0.0
100	64QAM	1	1	14.64	14.80	14.76	15.7	0.0
100	256QAM	1	1	14.55	14.73	14.69	15.7	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	14.74	14.93	14.78	15.7	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	14.78	14.87	14.76	15.7	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	14.70	14.80	14.80	15.7	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	14.76	14.89	14.78	15.7	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	14.72	14.91	14.77	15.7	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	14.77	14.85	14.78	15.7	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	14.81	14.86	14.84	15.7	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	14.80	14.85	14.81	15.7	0.0

Part27O n77 for Ant.4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	12.41	12.53	12.45	13.7	0.0
100	PI/2 BPSK	1	137	12.32	12.40	12.25		
100	PI/2 BPSK	1	271	12.37	12.45	12.43		
100	PI/2 BPSK	135	0	12.38	12.48	12.40	13.7	0.0
100	PI/2 BPSK	135	69	12.50	12.54	12.37	13.7	0.0
100	PI/2 BPSK	135	138	12.47	12.55	12.42	13.7	0.0
100	PI/2 BPSK	270	0	12.49	12.57	12.47		
100	QPSK	1	1	12.35	12.58	12.54	13.7	0.0
100	QPSK	1	137	12.38	12.42	12.38		
100	QPSK	1	271	12.19	12.36	12.26		
100	QPSK	135	0	12.34	12.45	12.30	13.7	0.0
100	QPSK	135	69	12.43	12.53	12.39	13.7	0.0
100	QPSK	135	138	12.39	12.48	12.40	13.7	0.0
100	QPSK	270	0	12.46	12.52	12.46		
100	16QAM	1	1	12.06	12.15	12.02	13.7	0.0
100	64QAM	1	1	12.24	12.38	12.36	13.7	0.0
100	256QAM	1	1	12.34	12.36	12.33	13.7	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	12.32	12.55	12.43	13.7	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	12.21	12.48	12.51	13.7	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	12.29	12.47	12.37	13.7	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	12.28	12.49	12.48	13.7	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	12.26	12.42	12.47	13.7	0.0

Part27Q n77 for Ant.4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		12.05		13.7	0.0
100	PI/2 BPSK	1	137		12.33			
100	PI/2 BPSK	1	271		12.21			
100	PI/2 BPSK	135	0		12.17		13.7	0.0
100	PI/2 BPSK	135	69		12.19		13.7	0.0
100	PI/2 BPSK	135	138		12.30		13.7	0.0
100	PI/2 BPSK	270	0		12.22			
100	QPSK	1	1		12.46		13.7	0.0
100	QPSK	1	137		12.30			
100	QPSK	1	271		12.39			
100	QPSK	135	0		12.26		13.7	0.0
100	QPSK	135	69		12.31		13.7	0.0
100	QPSK	135	138		12.25		13.7	0.0
100	QPSK	270	0		12.29			
100	16QAM	1	1		11.87		13.7	0.0
100	64QAM	1	1		12.10		13.7	0.0
100	256QAM	1	1		12.31		13.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.33	12.34	12.29	13.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	12.33	12.35	12.38	13.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.35	12.31	12.31	13.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.31	12.37	12.35	13.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.28	12.39	12.34	13.7	0.0

Part27O n78 for Ant.4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		12.15		13.7	0.0
100	PI/2 BPSK	1	137		12.25			
100	PI/2 BPSK	1	271		12.38			
100	PI/2 BPSK	135	0		12.21		13.7	0.0
100	PI/2 BPSK	135	69		12.24		13.7	0.0
100	PI/2 BPSK	135	138		12.25		13.7	0.0
100	PI/2 BPSK	270	0		12.22			
100	QPSK	1	1		12.39		13.7	0.0
100	QPSK	1	137		12.27			
100	QPSK	1	271		12.32			
100	QPSK	135	0		12.14		13.7	0.0
100	QPSK	135	69		12.23		13.7	0.0
100	QPSK	135	138		12.17		13.7	0.0
100	QPSK	270	0		12.20			
100	16QAM	1	1		12.03		13.7	0.0
100	64QAM	1	1		12.17		13.7	0.0
100	256QAM	1	1		12.19		13.7	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	12.37	12.23	12.28	13.7	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	12.35	12.36	12.26	13.7	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	12.24	12.28	12.22	13.7	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	12.29	12.29	12.32	13.7	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	12.29	12.33	12.22	13.7	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	12.28	12.22	12.33	13.7	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	12.26	12.28	12.34	13.7	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	12.25	12.30	12.35	13.7	0.0

Part27Q 78 for Ant.4								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		11.93		13.7	0.0
100	PI/2 BPSK	1	137		12.19			
100	PI/2 BPSK	1	271		12.21			
100	PI/2 BPSK	135	0		12.07		13.7	0.0
100	PI/2 BPSK	135	69		12.16		13.7	0.0
100	PI/2 BPSK	135	138		12.18		13.7	0.0
100	PI/2 BPSK	270	0		12.15			
100	QPSK	1	1		12.27		13.7	0.0
100	QPSK	1	137		12.21			
100	QPSK	1	271		12.18			
100	QPSK	135	0		12.11		13.7	0.0
100	QPSK	135	69		12.15		13.7	0.0
100	QPSK	135	138		12.09		13.7	0.0
100	QPSK	270	0		12.13			
100	16QAM	1	1		11.72		13.7	0.0
100	64QAM	1	1		11.96		13.7	0.0
100	256QAM	1	1		12.19		13.7	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	12.15	12.17	12.25	13.7	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.20	12.22	12.15	13.7	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	12.14	12.16	12.14	13.7	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	12.22	12.14	12.17	13.7	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	12.10	12.11	12.12	13.7	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.19	12.10	12.19	13.7	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.24	12.21	12.16	13.7	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.23	12.19	12.15	13.7	0.0

n41 for Ant.5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				509202	518598	528000		
Frequency (MHz)				2546.01	2592.99	2640		
100	PI/2 BPSK	1	1	12.72	12.85	12.79	16.8	0.0
100	PI/2 BPSK	1	137	12.75	12.89	12.91		
100	PI/2 BPSK	1	271	12.86	12.97	12.84		
100	PI/2 BPSK	135	0	12.78	12.82	12.75	16.8	0.0
100	PI/2 BPSK	135	69	12.85	13.02	12.86	16.8	0.0
100	PI/2 BPSK	135	138	12.93	13.02	12.86	16.8	0.0
100	PI/2 BPSK	270	0	12.64	12.76	12.65		
100	QPSK	1	1	13.07	13.06	12.92	16.8	0.0
100	QPSK	1	137	12.83	12.90	12.78		
100	QPSK	1	271	12.87	12.98	12.82		
100	QPSK	135	0	12.74	12.87	12.83	16.8	0.0
100	QPSK	135	69	12.94	13.06	12.92	16.8	0.0
100	QPSK	135	138	12.88	12.85	12.83	16.8	0.0
100	QPSK	270	0	12.97	13.06	12.96		
100	16QAM	1	1	12.78	12.78	12.77	16.8	0.0
100	64QAM	1	1	12.79	12.88	12.85	16.8	0.0
100	256QAM	1	1	12.67	12.79	12.80	16.8	0.0
Channel				508200	518598	528996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2541	2592.99	2644.98		
90	QPSK	1	1	12.91	13.01	12.78	16.8	0.0
Channel				507204	518598	529998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2536.02	2592.99	2649.99		
80	QPSK	1	1	12.93	12.95	12.84	16.8	0.0
Channel				506202	518598	531000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2531.01	2592.99	2655		
70	QPSK	1	1	12.90	12.91	12.76	16.8	0.0
Channel				505200	518598	531996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2526	2592.99	2659.98		
60	QPSK	1	1	12.91	13.04	12.73	16.8	0.0
Channel				504204	518598	532998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2521.02	2592.99	2664.99		
50	QPSK	1	1	12.94	13.03	12.73	16.8	0.0
Channel				503202	518598	534000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2516.01	2592.99	2670		
40	QPSK	1	1	12.84	12.89	12.74	16.8	0.0
Channel				502200	518598	534996	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2511	2592.99	2674.98		
30	QPSK	1	1	12.85	12.89	12.79	16.8	0.0
Channel				501204	518598	535998	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				2506.02	2592.99	2679.99		
20	QPSK	1	1	13.01	13.08	12.88	16.8	0.0

Part27O n77 for Ant.5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	656000	662000		
Frequency (MHz)				3750	3840	3930		
100	PI/2 BPSK	1	1	12.55	12.63	12.59	12.9	0.0
100	PI/2 BPSK	1	137	12.29	12.40	12.35		
100	PI/2 BPSK	1	271	12.39	12.47	12.30		
100	PI/2 BPSK	135	0	12.30	12.43	12.28	12.9	0.0
100	PI/2 BPSK	135	69	12.42	12.48	12.41	12.9	0.0
100	PI/2 BPSK	135	138	12.53	12.56	12.41	12.9	0.0
100	PI/2 BPSK	270	0	12.48	12.51	12.34		
100	QPSK	1	1	12.38	12.66	12.61	12.9	0.0
100	QPSK	1	137	12.61	12.63	12.50		
100	QPSK	1	271	12.46	12.56	12.51		
100	QPSK	135	0	12.46	12.50	12.38	12.9	0.0
100	QPSK	135	69	12.48	12.52	12.39	12.9	0.0
100	QPSK	135	138	12.41	12.47	12.37	12.9	0.0
100	QPSK	270	0	12.34	12.50	12.45		
100	16QAM	1	1	12.30	12.45	12.36	12.9	0.0
100	64QAM	1	1	12.41	12.58	12.45	12.9	0.0
100	256QAM	1	1	12.38	12.51	12.44	12.9	0.0
Channel				649334	656000	662668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3840	3940.02		
80	QPSK	1	1	12.29	12.63	12.54	12.9	0.0
Channel				648668	656000	663334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3840	3950.01		
60	QPSK	1	1	12.30	12.50	12.48	12.9	0.0
Channel				648000	656000	664000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3840	3960		
40	QPSK	1	1	12.21	12.50	12.53	12.9	0.0
Channel				647668	656000	664334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3840	3965.01		
30	QPSK	1	1	12.25	12.48	12.53	12.9	0.0
Channel				647334	656000	664668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3840	3970.02		
20	QPSK	1	1	12.28	12.49	12.59	12.9	0.0

Part27Q n77 for Ant.5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		12.36		12.9	0.0
100	PI/2 BPSK	1	137		12.21			
100	PI/2 BPSK	1	271		12.13			
100	PI/2 BPSK	135	0		12.22		12.9	0.0
100	PI/2 BPSK	135	69		12.21		12.9	0.0
100	PI/2 BPSK	135	138		12.16		12.9	0.0
100	PI/2 BPSK	270	0		12.19			
100	QPSK	1	1		12.38		12.9	0.0
100	QPSK	1	137		12.24			
100	QPSK	1	271		12.26			
100	QPSK	135	0		12.17		12.9	0.0
100	QPSK	135	69		12.20		12.9	0.0
100	QPSK	135	138		12.18		12.9	0.0
100	QPSK	270	0		12.22			
100	16QAM	1	1		11.93		12.9	0.0
100	64QAM	1	1		12.12		12.9	0.0
100	256QAM	1	1		12.10		12.9	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.28	12.25	12.35	12.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	12.23	12.26	12.25	12.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.34	12.26	12.33	12.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.26	12.27	12.31	12.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.33	12.32	12.27	12.9	0.0

Part27O n78 for Ant.5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel				650000	650000	650000		
Frequency (MHz)				3750	3750	3750		
100	PI/2 BPSK	1	1		12.50		12.9	0.0
100	PI/2 BPSK	1	137		12.42			
100	PI/2 BPSK	1	271		12.37			
100	PI/2 BPSK	135	0		12.21		12.9	0.0
100	PI/2 BPSK	135	69		12.23		12.9	0.0
100	PI/2 BPSK	135	138		12.32		12.9	0.0
100	PI/2 BPSK	270	0		12.20			
100	QPSK	1	1		12.52		12.9	0.0
100	QPSK	1	137		12.45			
100	QPSK	1	271		12.41			
100	QPSK	135	0		12.29		12.9	0.0
100	QPSK	135	69		12.48		12.9	0.0
100	QPSK	135	138		12.33		12.9	0.0
100	QPSK	270	0		12.42			
100	16QAM	1	1		12.18		12.9	0.0
100	64QAM	1	1		12.20		12.9	0.0
100	256QAM	1	1		12.21		12.9	0.0
Channel				649668	650000	650334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3745.02	3750	3755.01		
90	QPSK	1	1	12.38	12.47	12.43	12.9	0.0
Channel				649334	650000	650668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3740.01	3750	3760.02		
80	QPSK	1	1	12.39	12.34	12.38	12.9	0.0
Channel				649000	650000	651000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3735	3750	3765		
70	QPSK	1	1	12.48	12.42	12.35	12.9	0.0
Channel				648668	650000	651334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3730.02	3750	3770.01		
60	QPSK	1	1	12.44	12.38	12.47	12.9	0.0
Channel				648334	650000	651668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3725.01	3750	3775.02		
50	QPSK	1	1	12.37	12.40	12.36	12.9	0.0
Channel				648000	650000	652000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3720	3750	3780		
40	QPSK	1	1	12.40	12.35	12.39	12.9	0.0
Channel				647668	650000	652334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3715.02	3750	3785.01		
30	QPSK	1	1	12.45	12.50	12.35	12.9	0.0
Channel				647334	650000	652668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3710.01	3750	3790.02		
20	QPSK	1	1	12.40	12.44	12.36	12.9	0.0

Part27Q 78 for Ant.5								
BW [MHz]	Modulation	RB Size	RB Offset	Power Low Ch. / Freq.	Power Middle Ch. / Freq.	Power High Ch. / Freq.	Tune-up limit (dBm)	MPR (dB)
Channel					633334			
Frequency (MHz)					3500.01			
100	PI/2 BPSK	1	1		12.43		12.9	0.0
100	PI/2 BPSK	1	137		12.26			
100	PI/2 BPSK	1	271		12.21			
100	PI/2 BPSK	135	0		12.29		12.9	0.0
100	PI/2 BPSK	135	69		12.27		12.9	0.0
100	PI/2 BPSK	135	138		12.24		12.9	0.0
100	PI/2 BPSK	270	0		12.21			
100	QPSK	1	1		12.47		12.9	0.0
100	QPSK	1	137		12.40			
100	QPSK	1	271		12.29			
100	QPSK	135	0		12.27		12.9	0.0
100	QPSK	135	69		12.31		12.9	0.0
100	QPSK	135	138		12.19		12.9	0.0
100	QPSK	270	0		12.24			
100	16QAM	1	1		12.16		12.9	0.0
100	64QAM	1	1		12.29		12.9	0.0
100	256QAM	1	1		12.14		12.9	0.0
Channel				633000	633334	633668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3495	3500.01	3505.02		
90	QPSK	1	1	12.29	12.34	12.43	12.9	0.0
Channel				632668	633334	634000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3490.02	3500.01	3510		
80	QPSK	1	1	12.33	12.40	12.43	12.9	0.0
Channel				632334	633334	634334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3485.01	3500.01	3515.01		
70	QPSK	1	1	12.43	12.38	12.40	12.9	0.0
Channel				632000	633334	634668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3480	3500.01	3520.02		
60	QPSK	1	1	12.42	12.30	12.39	12.9	0.0
Channel				631668	633334	635000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3475.02	3500.01	3525		
50	QPSK	1	1	12.33	12.45	12.33	12.9	0.0
Channel				631334	633334	635334	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3470.01	3500.01	3530.01		
40	QPSK	1	1	12.42	12.33	12.37	12.9	0.0
Channel				631000	633334	635668	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3465	3500.01	3535.02		
30	QPSK	1	1	12.44	12.37	12.39	12.9	0.0
Channel				630668	633334	636000	Tune-up limit (dBm)	MPR (dB)
Frequency (MHz)				3460.02	3500.01	3540		
20	QPSK	1	1	12.36	12.30	12.41	12.9	0.0

<WLAN Conducted Power>

General Note:

1. Per KDB 248227 D01v02r02, SAR test reduction is determined according to 802.11 transmission mode configurations and certain exposure conditions with multiple test positions. In the 2.4 GHz band, separate SAR procedures are applied to DSSS and OFDM configurations to simplify DSSS test requirements. For OFDM, in both 2.4 and 5 GHz bands, an initial test configuration must be determined for each standalone and aggregated frequency band, according to the transmission mode configuration with the highest maximum output power specified for production units to perform SAR measurements. If the same highest maximum output power applies to different combinations of channel bandwidths, modulations and data rates, additional procedures are applied to determine which test configurations require SAR measurement. When applicable, an initial test position may be applied to reduce the number of SAR measurements required for next to the ear, UMPC mini-tablet or hotspot mode configurations with multiple test positions.
2. For 2.4 GHz 802.11b DSSS, either the initial test position procedure for multiple exposure test positions or the DSSS procedure for fixed exposure position is applied; these are mutually exclusive. For 2.4 GHz and 5 GHz OFDM configurations, the initial test configuration is applied to measure SAR using either the initial test position procedure for multiple exposure test position configurations or the initial test configuration procedures for fixed exposure test conditions. Based on the reported SAR of the measured configurations and maximum output power of the transmission mode configurations that are not included in the initial test configuration, the subsequent test configuration and initial test position procedures are applied to determine if SAR measurements are required for the remaining OFDM transmission configurations. In general, the number of test channels that require SAR measurement is minimized based on maximum output power measured for the test sample(s).
3. For OFDM transmission configurations in the 2.4 GHz and 5 GHz bands, When the same maximum power is specified for multiple transmission modes in a frequency band, the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order 802.11a/g/n/ac mode is used for SAR measurement, on the highest measured output power channel for each frequency band.
4. DSSS and OFDM configurations are considered separately according to the required SAR procedures. SAR is measured in the initial test position using the 802.11 transmission mode configuration required by the DSSS procedure or initial test configuration and subsequent test configuration(s) according to the OFDM procedures.18 The initial test position procedure is described in the following:
   a. When the reported SAR of the initial test position is ≤ 0.4 W/kg, further SAR measurement is not required for the other test positions in that exposure configuration and 802.11 transmission mode combinations within the frequency band or aggregated band.
   b. When the reported SAR of the test position is > 0.4 W/kg, SAR is repeated for the 802.11 transmission mode configuration tested in the initial test position to measure the subsequent next closet/smallest test separation distance and maximum coupling test position on the highest maximum output power channel, until the report SAR is ≤ 0.8 W/kg or all required test position are tested.
   c. For all positions/configurations, when the reported SAR is > 0.8 W/kg, SAR is measured for these test positions/configurations on the subsequent next highest measured output power channel(s) until the reported SAR is ≤ 1.2 W/kg or all required channels are tested.
5. 802.11ax supports full tone size and partial tone size, after verification for the partial tone size mode power level will not higher than full tone size power level, so chose full tone power to be measured in this report.
6. The 2.4GHz/5GHz WLAN can transmit in SISO and MIMO antenna mode.
7. The 2.4GHz/5GHz WLAN can transmit in SISO/MIMO antenna mode. TX Beamforming mode is only supported in 2.4GHz WLAN 802.11ax and 5GHz WLAN 802.11n/ax.
8. Due to the single antenna RF power in WLAN SISO & MIMO (CDD) mode is larger than or very close to the single antenna RF power in Beamforming mode, so WLAN SISO & MIMO (CDD) mode SAR can represent beamforming mode SAR.

<2.4GHz WLAN Ant6>

Ant 6				Full power Sensor off Standalone Sensor off Simultaneous		For Sensor on Standalone		For Sensor on Simultaneous		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	19.50	21.00	17.10	18.50	14.00	16.00	99.20
		6	2437	19.90	21.50	17.30	18.50	14.50	16.00	
		11	2462	17.30	19.00	17.00	18.50	14.40	16.00	
	802.11g 6Mbps	1	2412	15.90	17.50	15.90	17.50	Not Required	16.00	95.40
		6	2437	17.80	19.50	17.70	18.50		16.00	
		8	2447	17.40	19.00	17.40	18.50		16.00	
		9	2452	15.50	17.00	15.50	17.00		16.00	
		10	2457	14.80	16.50	14.80	16.50		16.00	
		11	2462	12.80	14.50	12.80	14.50		14.50	
	802.11n-HT20 MCS0	1	2412	15.70	17.50	Not Required	17.50		16.00	95.10
		6	2437	17.20	19.00		18.50		16.00	
		10	2457	15.10	16.50		16.50		16.00	
		11	2462	11.00	12.50		12.50		12.50	
	802.11ac-VHT20 MCS0	1	2412	15.70	17.50		17.50		16.00	93.10
		6	2437	17.20	19.00		18.50		16.00	
		10	2457	15.10	16.50		16.50		16.00	
		11	2462	11.00	12.50		12.50		12.50	
	802.11ax-HE20 MCS0	1	2412	15.80	17.50		17.50		16.00	97.50
		6	2437	17.30	19.00		18.50		16.00	
		10	2457	15.20	16.50		16.50		16.00	
		11	2462	11.10	12.50		12.50		12.50	

<2.4GHz WLAN Ant7>

Ant 7				Full power Sensor off Standalone Sensor off Simultaneous		For Sensor on Standalone		For Sensor on Simultaneous		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	21.00	22.50	18.80	20.00	15.50	17.00	99.20
		6	2437	21.00	22.50	18.90	20.00	15.70	17.00	
		11	2462	18.90	20.50	18.90	20.00	15.30	17.00	
	802.11g 6Mbps	1	2412	16.80	18.50	16.80	18.50	Not Required	17.00	95.40
		6	2437	19.70	21.50	18.50	20.00		17.00	
		8	2447	19.00	20.50	19.00	20.00		17.00	
		9	2452	17.10	18.50	17.10	18.50		17.00	
		10	2457	15.90	17.50	15.90	17.50		17.00	
		11	2462	14.10	15.50	14.10	15.50		15.50	
	802.11n-HT20 MCS0	1	2412	16.90	18.50	Not Required	18.50		17.00	95.10
		6	2437	18.80	20.50		20.00		17.00	
		10	2457	16.00	17.50		17.50		17.00	
		11	2462	12.90	14.50		14.50		14.50	
	802.11ac-VHT20 MCS0	1	2412	16.90	18.50		18.50		17.00	93.10
		6	2437	18.80	20.50		20.00		17.00	
		10	2457	16.00	17.50		14.50		14.50	
		11	2462	12.90	14.50		14.50		14.50	
	802.11ax-HE20 MCS0	1	2412	17.00	18.50		18.50		17.00	97.50
		6	2437	18.90	20.50		20.00		17.00	
		10	2457	16.10	17.50		17.50		17.00	
		11	2462	13.00	14.50		14.50		14.50	

<2.4GHz WLAN Ant6+7>

Ant 6+7				Full power Sensor off Standalone Sensor off Simultaneous		For Sensor on Standalone		For Sensor on Simultaneous		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	23.32	25.00	21.04	22.00	17.82	19.50	99.20
		6	2437	23.50	25.00	21.18	22.00	18.15	19.50	
		11	2462	21.18	22.50	21.06	22.00	17.88	19.50	
	802.11g 6Mbps	1	2412	19.38	21.00	19.38	21.00	Not Required	19.50	95.40
		6	2437	21.86	23.50	21.13	22.00		19.50	
		8	2447	21.28	23.00	21.28	22.00		19.50	
		9	2452	19.38	21.00	19.38	20.50		19.50	
		10	2457	18.40	20.00	18.40	20.00		19.50	
		11	2462	16.51	18.00	16.51	18.00		19.50	
	802.11n-HT20 MCS0	1	2412	19.35	21.00	Not Required	21.00		19.50	95.10
		6	2437	21.08	22.50		22.00		19.50	
		10	2457	18.58	20.00		20.00		19.50	
		11	2462	15.06	16.50		16.50		19.50	
	802.11ac-VHT20 MCS0	1	2412	19.35	21.00		21.00		19.50	93.10
		6	2437	21.08	22.50		22.00		19.50	
		10	2457	18.58	20.00		18.50		19.50	
		11	2462	15.06	16.50		16.50		19.50	
	802.11ax-HE20 MCS0	1	2412	19.45	21.00		21.00		19.50	97.50
		6	2437	21.18	22.50		22.00		19.50	
		10	2457	18.68	20.00		20.00		19.50	
		11	2462	15.16	17.00		16.50		19.50	

<5GHz WLAN Ant6>

Ant 6				Full power Sensor off Standalone		For Sensor on Standalone		For Sensor on Simultaneous		For Sensor off Simultaneous		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	17.00	18.50	Not Required	13.50	Not Required	11.00	Not Required	17.50	93.50
		44	5220	17.00	18.50		13.50		11.00		17.50	
		48	5240	17.10	18.50		13.50		11.00		17.50	
	802.11n-HT20 MCS0	36	5180	17.10	18.50		13.50		11.00		17.50	93.10
		40	5200	17.00	18.50		13.50		11.00		17.50	
		44	5220	17.00	18.50		13.50		11.00		17.50	
		48	5240	17.10	18.50		13.50		11.00		17.50	
	802.11n-HT40 MCS0	38	5190	16.50	18.00		13.50		11.00	16.50	17.50	87.00
		46	5230	19.40	21.00		13.50		11.00	16.40	17.50	
	802.11ac-VHT20 MCS0	36	5180	17.10	18.50		13.50		11.00		17.50	93.20
		40	5200	17.10	18.50		13.50		11.00		17.50	
		44	5220	17.00	18.50		13.50		11.00		17.50	
		48	5240	17.10	18.50		13.50		11.00		17.50	
	802.11ac-VHT40 MCS0	38	5190	16.50	18.00		13.50		11.00		17.50	87.10
		46	5230	19.40	21.00		13.50		11.00		17.50	
	802.11ac-VHT80 MCS0	42	5210	15.20	16.50	12.8	13.50	9.5	11.00	15.20	16.50	93.20
	802.11ax-HE20 MCS0	36	5180	17.20	18.50	Not Required	13.50	Not Required	11.00	Not Required	17.50	97.50
		40	5200	17.20	18.50		13.50		11.00		17.50	
		44	5220	17.10	18.50		13.50		11.00		17.50	
		48	5240	17.20	18.50		13.50		11.00		17.50	
	802.11ax-HE40 MCS0	38	5190	16.60	18.50		13.50		11.00		17.50	95.30
		46	5230	19.50	21.00		13.50		11.00		17.50	
	802.11ax-HE80 MCS0	42	5210	15.30	17.00		13.50		11.00		17.00	90.70

Ant 6				Full power Sensor off Standalone		For Sensor on Standalone		For Sensor on Simultaneous		For Sensor off Simultaneous		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	17.10	18.50	Not Required	13.50	Not Required	11.00	Not Required	17.50	93.50
		56	5280	17.10	18.50		13.50		11.00		17.50	
		60	5300	17.10	18.50		13.50		11.00		17.50	
		64	5320	17.00	18.50		13.50		11.00		17.50	
	802.11n-HT20 MCS0	52	5260	16.90	18.50		13.50		11.00		17.50	93.10
		56	5280	16.90	18.50		13.50		11.00		17.50	
		60	5300	17.30	19.00		13.50		11.00		17.50	
		64	5320	17.20	18.50		13.50		11.00		17.50	
	802.11n-HT40 MCS0	54	5270	19.70	21.50	12.80	13.50		11.00		17.50	87.00
		62	5310	17.40	19.00	12.50	13.50		11.00		17.50	
	802.11ac-VHT20 MCS0	52	5260	16.90	18.50	Not Required	13.50		11.00		17.50	93.20
		56	5280	16.90	18.50		13.50		11.00		17.50	
		60	5300	17.30	19.00		13.50		11.00		17.50	
		64	5320	17.20	18.50		13.50		11.00		17.50	
	802.11ac-VHT40 MCS0	54	5270	19.70	21.50		13.50		11.00		17.50	87.10
		62	5310	17.40	19.00		13.50		11.00		17.50	
	802.11ac-VHT80 MCS0	58	5290	15.80	17.50	12.90	13.50	10.00	11.00	15.80	17.50	93.20
	802.11ax-HE20 MCS0	52	5260	17.00	18.50	Not Required	13.50	Not Required	11.00	Not Required	17.50	97.50
		56	5280	17.00	18.50		13.50		11.00		17.50	
		60	5300	17.40	19.00		13.50		11.00		17.50	
		64	5320	17.30	19.00		13.50		11.00		17.50	
	802.11ax-HE40 MCS0	54	5270	19.80	21.50		13.50		11.00		17.50	95.30
		62	5310	17.50	19.00		13.50		11.00		17.50	
	802.11ax-HE80 MCS0	58	5290	15.90	17.50		13.50		11.00		17.50	90.70

Ant 6				Full power Sensor off Standalone		For Sensor on Standalone		For Sensor on Simultaneous		For Sensor off Simultaneous		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	17.60	19.50	Not Required	15.00	Not Required	12.50	Not Required	18.00	93.50
		116	5580	17.40	19.00		15.00		12.50		18.00	
		124	5620	17.60	19.50		15.00		12.50		18.00	
		132	5660	17.40	19.00		15.00		12.50		18.00	
		140	5700	16.60	18.50		15.00		12.50		18.00	
		144	5720	17.50	19.00		15.00		12.50		18.00	
	802.11n-HT20 MCS0	100	5500	17.60	19.50		15.00		12.50		18.00	93.10
		116	5580	17.30	19.00		15.00		12.50		18.00	
		124	5620	17.60	19.50		15.00		12.50		18.00	
		132	5660	17.30	19.00		15.00		12.50		18.00	
		140	5700	15.90	17.50		15.00		12.50		17.50	
		144	5720	17.20	18.50		15.00		12.50		18.00	
	802.11n-HT40 MCS0	102	5510	17.50	19.00	14.20	15.00		12.50		18.00	87.00
		110	5550	20.30	21.50	14.30	15.00		12.50		18.00	
		126	5630	20.30	21.50	14.10	15.00		12.50		18.00	
		134	5670	18.30	20.00	14.30	15.00		12.50		18.00	
		142	5710	19.60	21.00	14.40	15.00		12.50		18.00	
	802.11ac-VHT20 MCS0	100	5500	17.60	19.50	Not Required	15.00		12.50		18.00	93.20
		116	5580	17.30	19.00		15.00		12.50		18.00	
		124	5620	17.60	19.50		15.00		12.50		18.00	
		132	5660	17.30	19.00		15.00		12.50		18.00	
		140	5700	15.90	17.50		15.00		12.50		17.50	
		144	5720	17.20	18.50		15.00		12.50		18.00	
	802.11ac-VHT40 MCS0	102	5510	17.50	19.00		15.00		12.50		18.00	87.10
		110	5550	20.30	21.50		15.00		12.50		18.00	
		126	5630	20.30	21.50		15.00		12.50		18.00	
		134	5670	18.30	20.00		15.00		12.50		18.00	
		142	5710	19.60	21.50		15.00		12.50		18.00	
	802.11ac-VHT80 MCS0	106	5530	16.70	18.50	13.60	15.00	11.00	12.50	16.60	18.00	93.20
		122	5610	19.60	21.50	14.00	15.00	10.90	12.50	16.70	18.00	
		138	5690	19.30	21.00	13.72	15.00	10.70	12.50	16.60	18.00	
	802.11ax-HE20 MCS0	100	5500	17.70	19.50	Not Required	15.00	Not Required	12.50	Not Required	18.00	97.50
		116	5580	17.40	19.00		15.00		12.50		18.00	
		124	5620	17.70	19.00		15.00		12.50		18.00	
		132	5660	17.40	19.00		15.00		12.50		18.00	
		140	5700	16.00	17.50		15.00		12.50		17.50	
		144	5720	17.30	19.00		15.00		12.50		18.00	
	802.11ax-HE40 MCS0	102	5510	17.60	19.50		15.00		12.50		18.00	95.30
		110	5550	20.40	21.50		15.00		12.50		18.00	
		126	5630	20.40	21.50		15.00		12.50		18.00	
		134	5670	18.40	20.00		15.00		12.50		18.00	
		142	5710	19.70	21.50		15.00		12.50		18.00	
	802.11ax-HE80 MCS0	106	5530	16.80	18.50		15.00		12.50		18.00	90.70
		122	5610	19.70	21.50		15.00		12.50		18.00	
		138	5690	19.40	21.00		15.00		12.50		18.00	

Ant 6				Full Power Sensor off Standalone		For Sensor on Standalone		For Sensor on Simultaneous		For Sensor off Simultaneous		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	19.10	20.50	Not Required	15.50	Not Required	13.50	Not Required	18.50	93.50
		157	5785	19.50	20.50		15.50		13.50		18.50	
		165	5825	19.10	20.50		15.50		13.50		18.50	
	802.11n-HT20 MCS0	149	5745	19.10	20.50		15.50		13.50		18.50	93.10
		157	5785	19.20	20.50		15.50		13.50		18.50	
		165	5825	19.00	20.50		15.50		13.50		18.50	
	802.11n-HT40 MCS0	151	5755	19.60	20.50	15.00	15.50		13.50		18.50	87.00
		159	5795	19.60	20.50	15.00	15.50		13.50		18.50	
	802.11ac-VHT20 MCS0	149	5745	19.10	20.50	Not Required	15.50		13.50		18.50	93.10
		157	5785	19.20	20.50		15.50		13.50		18.50	
		165	5825	19.00	20.50		15.50		13.50		18.50	
	802.11ac-VHT40 MCS0	151	5755	19.60	20.50		15.50		13.50		18.50	87.10
		159	5795	19.60	20.50		15.50		13.50		18.50	
	802.11ac-VHT80 MCS0	155	5775	19.30	20.50	14.80	15.50	12.00	13.50	17.70	18.50	93.50
	802.11ax-HE20 MCS0	149	5745	19.20	20.50	Not Required	15.50	Not Required	13.50	Not Required	18.50	97.50
		157	5785	19.30	20.50		15.50		13.50		18.50	
		165	5825	19.00	20.50		15.50		13.50		18.50	
	802.11ax-HE40 MCS0	151	5755	19.70	20.50		15.50		13.50		18.50	95.20
		159	5795	19.70	20.50		15.50		13.50		18.50	
	802.11ax-HE80 MCS0	155	5775	19.40	20.50		15.50		13.50		18.50	90.70

<5GHz WLAN Ant7>

Ant 7				Full power Sensor off Standalone		For Sensor on Standalone		For Sensor on Simultaneous		For Sensor off Simultaneous		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	18.00	19.50	Not Required	17.00	Not Required	15.00	Not Required	18.50	93.50
		44	5220	17.90	19.50		17.00		15.00		18.50	
		48	5240	18.00	19.50		17.00		15.00		18.50	
	802.11n-HT20 MCS0	36	5180	17.80	19.50		17.00		15.00		18.50	93.10
		40	5200	17.80	19.50		17.00		15.00		18.50	
		44	5220	17.90	19.50		17.00		15.00		18.50	
		48	5240	17.70	19.50		17.00		15.00		18.50	
	802.11n-HT40 MCS0	38	5190	17.40	19.00		17.00		15.00	17.40	18.50	87.00
		46	5230	20.20	21.50		17.00		15.00	17.10	18.50	
	802.11ac-VHT20 MCS0	36	5180	17.80	19.50		17.00		15.00	Not Required	18.50	93.20
		40	5200	17.80	19.50		17.00		15.00		18.50	
		44	5220	17.90	19.50		17.00		15.00		18.50	
		48	5240	17.70	19.50		17.00		15.00		18.50	
	802.11ac-VHT40 MCS0	38	5190	17.40	19.00		17.00		15.00		18.50	87.10
		46	5230	20.20	21.50		17.00		15.00		18.50	
	802.11ac-VHT80 MCS0	42	5210	16.00	17.50	16.00	17.00	13.60	15.00		17.50	93.20
	802.11ax-HE20 MCS0	36	5180	17.90	19.50	Not Required	17.00	Not Required	15.00		18.50	97.50
		40	5200	17.90	19.50		17.00		15.00		18.50	
		44	5220	18.00	19.50		17.00		15.00		18.50	
		48	5240	17.80	19.50		17.00		15.00		18.50	
	802.11ax-HE40 MCS0	38	5190	17.50	19.00		17.00		15.00		18.50	95.30
		46	5230	20.30	21.50		17.00		15.00		18.50	
	802.11ax-HE80 MCS0	42	5210	16.10	17.50		17.00		15.00		17.50	90.70

Ant 7				Full power Sensor off Standalone		For Sensor on Standalone		For Sensor on Simultaneous		For Sensor off Simultaneous		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	17.80	19.50	Not Required	17.00	Not Required	15.00	Not Required	18.50	93.50
		56	5280	17.80	19.50		17.00		15.00		18.50	
		60	5300	17.90	19.50		17.00		15.00		18.50	
		64	5320	17.60	19.50		17.00		15.00		18.50	
	802.11n-HT20 MCS0	52	5260	17.60	19.50		17.00		15.00		18.50	93.10
		56	5280	17.60	19.50		17.00		15.00		18.50	
		60	5300	18.00	19.50		17.00		15.00		18.50	
		64	5320	17.80	19.50		17.00		15.00		18.50	
	802.11n-HT40 MCS0	54	5270	20.20	21.50	16.70	17.00		15.00		18.50	87.00
		62	5310	17.90	19.50	16.60	17.00		15.00		18.50	
	802.11ac-VHT20 MCS0	52	5260	17.60	19.50	Not Required	17.00		15.00		18.50	93.20
		56	5280	17.60	19.50		17.00		15.00		18.50	
		60	5300	18.00	19.50		17.00		15.00		18.50	
		64	5320	17.80	19.50		17.00		15.00		18.50	
	802.11ac-VHT40 MCS0	54	5270	20.20	21.50		17.00		15.00		18.50	87.10
		62	5310	17.90	19.50		17.00		15.00		18.50	
	802.11ac-VHT80 MCS0	58	5290	16.50	18.50	16.50	17.00	13.80	15.00	17.30	18.50	93.20
	802.11ax-HE20 MCS0	52	5260	17.70	19.50	Not Required	17.00	Not Required	15.00	Not Required	18.50	97.50
		56	5280	17.70	19.50		17.00		15.00		18.50	
		60	5300	18.10	19.50		17.00		15.00		18.50	
		64	5320	17.90	19.50		17.00		15.00		18.50	
	802.11ax-HE40 MCS0	54	5270	20.30	21.50		17.00		15.00		18.50	95.30
		62	5310	18.00	19.50		17.00		15.00		18.50	
	802.11ax-HE80 MCS0	58	5290	16.60	18.50		17.00		15.00		18.50	90.70

Ant 7				Full power Sensor off Standalone		For Sensor on Standalone		For Sensor on Simultaneous		For Sensor off Simultaneous		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	18.00	19.50	Not Required	13.50	Not Required	11.00	Not Required	18.50	93.50
		116	5580	17.90	19.50		13.50		11.00		18.50	
		124	5620	18.00	19.50		13.50		11.00		18.50	
		132	5660	17.90	19.50		13.50		11.00		18.50	
		140	5700	17.70	19.50		13.50		11.00		18.50	
		144	5720	18.40	20.00		13.50		11.00		18.50	
	802.11n-HT20 MCS0	100	5500	17.70	19.50		13.50		11.00		18.50	93.10
		116	5580	17.90	19.50		13.50		11.00		18.50	
		124	5620	17.70	19.50		13.50		11.00		18.50	
		132	5660	17.90	19.50		13.50		11.00		18.50	
		140	5700	17.00	18.50		13.50		11.00		18.50	
		144	5720	18.10	19.50		13.50		11.00		18.50	
	802.11n-HT40 MCS0	102	5510	17.80	19.50	12.90	13.50		11.00		18.50	87.00
		110	5550	20.40	21.50	12.90	13.50		11.00		18.50	
		126	5630	20.40	21.50	12.60	13.50		11.00		18.50	
		134	5670	19.30	21.00	12.50	13.50		11.00		18.50	
		142	5710	20.40	21.50	12.70	13.50		11.00		18.50	
	802.11ac-VHT20 MCS0	100	5500	17.70	19.50	Not Required	13.50		11.00		18.50	93.20
		116	5580	17.90	19.50		13.50		11.00		18.50	
		124	5620	17.70	19.50		13.50		11.00		18.50	
		132	5660	17.90	19.50		13.50		11.00		18.50	
		140	5700	17.00	18.50		13.50		11.00		18.50	
		144	5720	18.10	19.50		13.50		11.00		18.50	
	802.11ac-VHT40 MCS0	102	5510	17.80	19.50		13.50		11.00		18.50	87.10
		110	5550	20.40	21.50		13.50		11.00		18.50	
		126	5630	20.40	21.50		13.50		11.00		18.50	
		134	5670	19.30	21.00		13.50		11.00		18.50	
		142	5710	20.40	21.50		13.50		11.00		18.50	
	802.11ac-VHT80 MCS0	106	5530	17.10	18.50	11.80	13.50	8.50	10.00	17.10	18.50	93.20
		122	5610	20.10	21.50	12.50	13.50	9.10	11.00	17.10	18.50	
		138	5690	20.30	21.50	12.60	13.50	9.70	11.00	17.20	18.50	
	802.11ax-HE20 MCS0	100	5500	17.80	19.50	Not Required	13.50	Not Required	11.00	Not Required	18.50	97.50
		116	5580	18.00	19.50		13.50		11.00		18.50	
		124	5620	17.80	19.50		13.50		11.00		18.50	
		132	5660	18.00	19.50		13.50		11.00		18.50	
		140	5700	17.10	18.50		13.50		11.00		18.50	
		144	5720	18.20	19.50		13.50		11.00		18.50	
	802.11ax-HE40 MCS0	102	5510	17.90	19.50		13.50		11.00		18.50	95.30
		110	5550	20.50	21.50		13.50		11.00		18.50	
		126	5630	20.50	21.50		13.50		11.00		18.50	
		134	5670	19.40	21.00		13.50		11.00		18.50	
		142	5710	20.50	21.50		13.50		11.00		18.50	
	802.11ax-HE80 MCS0	106	5530	17.20	18.50		13.50		11.00		18.50	90.70
		122	5610	20.20	21.50		13.50		11.00		18.50	
		138	5690	20.40	21.50		13.50		11.00		18.50	

Ant 7				Full Power Sensor off Standalone Sensor off Simultaneous		For Sensor on Standalone		For Sensor on Simultaneous		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	20.40	22.00	Not Required	13.50	Not Required	11.00	93.50
		157	5785	20.40	22.00		13.50		11.00	
		165	5825	20.50	22.00		13.50		11.00	
	802.11n-HT20 MCS0	149	5745	20.30	22.00		13.50		11.00	93.10
		157	5785	20.30	22.00		13.50		11.00	
		165	5825	20.30	22.00		13.50		11.00	
	802.11n-HT40 MCS0	151	5755	20.30	22.00	13.00	13.50		11.00	87.00
		159	5795	20.40	22.00	13.10	13.50		11.00	
	802.11ac-VHT20 MCS0	149	5745	20.30	22.00	Not Required	13.50		11.00	93.10
		157	5785	20.30	22.00		13.50		11.00	
		165	5825	20.30	22.00		13.50		11.00	
	802.11ac-VHT40 MCS0	151	5755	20.30	22.00		13.50		11.00	87.10
		159	5795	20.40	22.00		13.50		11.00	
	802.11ac-VHT80 MCS0	155	5775	20.20	21.50	12.90	13.50	10.00	11.00	93.50
	802.11ax-HE20 MCS0	149	5745	20.40	22.00	Not Required	13.50	Not Required	11.00	97.50
		157	5785	20.40	22.00		13.50		11.00	
		165	5825	20.40	22.00		13.50		11.00	
	802.11ax-HE40 MCS0	151	5755	20.40	22.00		13.50		11.00	95.20
		159	5795	20.50	22.00		13.50		11.00	
	802.11ax-HE80 MCS0	155	5775	20.30	21.50		13.50		11.00	90.70

<5GHz WLAN Ant6+7>

Ant 6+7				Full power Sensor off Standalone		For Sensor on Standalone		For Sensor on Simultaneous		For Sensor off Simultaneous		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	20.54	22.00	Not Required	18.50	Not Required	16.00	Not Required	21.00	93.50
		44	5220	20.48	22.00		18.50		16.00		21.00	
		48	5240	20.58	22.00		18.50		16.00		21.00	
	802.11n-HT20 MCS0	36	5180	20.47	22.00		18.50		16.00		21.00	93.10
		40	5200	20.47	22.00		18.50		16.00		21.00	
		44	5220	20.48	22.00		18.50		16.00		21.00	
		48	5240	20.42	22.00		18.50		16.00		21.00	
	802.11n-HT40 MCS0	38	5190	19.98	21.50		18.50		16.00		21.00	87.00
		46	5230	22.83	24.00		18.50		16.00		21.00	
	802.11ac-VHT20 MCS0	36	5180	20.47	22.00		18.50		16.00		21.00	93.20
		40	5200	20.47	22.00		18.50		16.00		21.00	
		44	5220	20.48	22.00		18.50		16.00		21.00	
		48	5240	20.42	22.00		18.50		16.00		21.00	
	802.11ac-VHT40 MCS0	38	5190	19.98	21.50		18.50		16.00		21.00	87.10
		46	5230	22.83	24.00		18.50		16.00		21.00	
	802.11ac-VHT80 MCS0	42	5210	18.63	20.50	17.70	18.50	15.03	16.00		20.00	93.20
	802.11ax-HE20 MCS0	36	5180	20.57	22.00	Not Required	18.50	Not Required	16.00		21.00	97.50
		40	5200	20.57	22.00		18.50		16.00		21.00	
		44	5220	20.58	22.00		18.50		16.00		21.00	
		48	5240	20.52	22.00		18.50		16.00		21.00	
	802.11ax-HE40 MCS0	38	5190	20.08	21.50		18.50		16.00		21.00	95.30
		46	5230	22.93	24.00		18.50		16.00		21.00	
	802.11ax-HE80 MCS0	42	5210	18.73	20.50		18.50		16.00		20.00	90.70

Ant 6+7				Full power Sensor off Standalone		For Sensor on Standalone		For Sensor on Simultaneous		For Sensor off Simultaneous		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	20.47	22.00	Not Required	18.50	Not Required	16.00	Not Required	21.00	93.50
		56	5280	20.47	22.00		18.50		16.00		21.00	
		60	5300	20.53	22.00		18.50		16.00		21.00	
		64	5320	20.32	22.00		18.50		16.00		21.00	
	802.11n-HT20 MCS0	52	5260	20.27	22.00		18.50		16.00		21.00	93.10
		56	5280	20.27	22.00		18.50		16.00		21.00	
		60	5300	20.67	22.50		18.50		16.00		21.00	
		64	5320	20.52	22.50		18.50		16.00		21.00	
	802.11n-HT40 MCS0	54	5270	22.97	24.50	18.18	18.50		16.00		21.00	87.00
		62	5310	20.67	22.00	18.03	18.50		16.00		21.00	
	802.11ac-VHT20 MCS0	52	5260	20.27	22.00	Not Required	18.50		16.00		21.00	93.20
		56	5280	20.27	22.00		18.50		16.00		21.00	
		60	5300	20.67	22.50		18.50		16.00		21.00	
		64	5320	20.52	22.50		18.50		16.00		21.00	
	802.11ac-VHT40 MCS0	54	5270	22.97	24.50		18.50		16.00		21.00	87.10
		62	5310	20.67	22.50		18.50		16.00		21.00	
	802.11ac-VHT80 MCS0	58	5290	19.17	20.50	18.07	18.50	15.31	16.00		21.00	93.20
	802.11ax-HE20 MCS0	52	5260	20.37	22.00	Not Required	18.50	Not Required	16.00		21.00	97.50
		56	5280	20.37	22.00		18.50		16.00		21.00	
		60	5300	20.77	22.50		18.50		16.00		21.00	
		64	5320	20.62	22.50		18.50		16.00		21.00	
	802.11ax-HE40 MCS0	54	5270	23.07	24.50		18.50		16.00		21.00	95.30
		62	5310	20.77	22.50		18.50		16.00		21.00	
	802.11ax-HE80 MCS0	58	5290	19.27	21.00		18.50		16.00		21.00	90.70